

**z/OSV2R1
MVS Data Areas
Volume 4 (IRARMCTZ -LCT)**

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z/OSV2R1



MVS Data Areas

Volume 4 (IRARMCTZ -LCT)

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Note

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 1003.

Third Edition, August 2014

This edition applies to Version 2 Release 1 of z/OS (5650-ZOS) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this information

This information is a graphic presentation of many data areas used by the z/OS operating system and by application programs. The data areas are one or more of the following:

- Programming interfaces
- Needed for debugging or diagnosis.

This information supports z/OS (5694-A01).

Who should use this information

This information is for system programmers who diagnose and debug operating system and programming problems. It provides information for debugging installation-provided programs or diagnosing IBM-provided programs. The user of this information should have a working knowledge of the functions and logic of the operating system.

How to use this information

Data areas are sequenced alphanumerically by data area acronym. Each data area has up to four sections:

- Programming Interface Information
- Header
- Data area map
- Cross-reference, if the data area map is long enough

The header

The header includes some or all of the following:

Common Name:	The descriptive name of the data area.
Macro ID:	The name of the mapping macro for the data area. Mapping macros can be issued in programs to generate a copy of the data area.
DSECT Name:	Name of the DSECT (dummy control section) created by the mapping macro.
Owning Component:	Component name and component identifier in parentheses.
Eye-Catcher ID:	Character string identifier of the eye-catcher (sometimes called the control block id) within the mapping macro. The offset and length of the eye-catcher are also included.
Storage Attributes:	The storage attributes of the data area, including the following: <ul style="list-style-type: none">Main Storage: Central storage attributes of the data area.Virtual Storage: Virtual storage attributes of the data area.Auxiliary Storage: Spool storage attributes of the data area.Subpool and Key: Subpool is the area of virtual storage that contains the data area. Key is the storage protect key for the storage represented by the data area.
Size:	The size of the data area in decimal bytes.
Created by:	Module, macro, or component whose use creates the data area.
Pointed to by:	Registers or data area fields that contain the address of the data area.
Serialization:	Method used to ensure that one user does not update a data area that is being updated or used by another user. The most common methods used for serialization are: <ul style="list-style-type: none">• Lock or locks• ENQ and DEQ macros• Compare and Swap (CS) instruction

- Disablement, which is disabling interruptions by setting bits in the program status word (PSW) of the program using the data area

Function:

Brief description of the use of the data area.

Data area map

The data area is described field by field. These field descriptions are taken directly from the system code.

The following is an example of the field descriptions for the ANYAREA data area:

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	384	ANYAREA	
0	(0)	CHARACTER		ANYBEGIN	BEGINNING OF ANYAREA
0	(0)	CHARACTER	4	ANYACRO	ACRONYM IN EBCDIC 'ANY '
4	(4)	ADDRESS	4	ANYADDR	ADDRESS OF NEXT ANYAREA ON QUEUE

For each field in the data area, the data area map provides the following information:

Offsets The address of the field, shown in both decimal (DEC) and hexadecimal (HEX in parentheses), relative to the beginning of the data area.

Type The kind of program data defined for this field, as follows:

Type	Description
ADDRESS	Address constant
BITSTRING	Bitstring constant
CHARACTER	Character value
DBL WORD	Double word boundary
FIXED	Arithmetic signed or unsigned value
HEX	Hexadecimal value
SIGNED	Arithmetic signed value
STRUCTURE	Level 1 control block name
UNSIGNED	Unsigned value

Len Size of the field in decimal bytes.

Name (Dim) The name of the field, bit, or mask.

Bit or mask names are preceded by a description of bit position and value, as follows:

1...	Refers to bit 0.
.... ..11	Refers to bits 6 and 7.
...1	Refers to bit 3.
11.. 1111	Refers to bits 0, 1, 4, 5, 6, and 7.

Description A description of the purpose or meaning of the field, bit, or mask.

Cross reference

For each data area with more than 10 fields, the cross reference shows the following:

Name	The name of the field, bit, or mask.
Hex Offset	The hexadecimal offset of the field into the data area. For bits, the hexadecimal offset of the field containing the bit.
Hex Value	Values are shown only for bits, equates, and initialized character strings. For bits, the hexadecimal value shown implies the position of the bit in the field containing the bit.

Bit ANYBIT in the following illustration shows how to use the hexadecimal value. In the Example, cross reference for the ANYBIT bit looks like this:

Name	Hex Offset	Hex Value
ANYBIT	F0	80

In the map of the data area, the ANYBIT bit appears like this:

240	(F0)	FIXED	4	ANYWORD	CONTROL WORD
240	(F0)	BITSTRING	1	ANYBYTE	FLAG BYTE
		1... ..		ANYBIT	"X'80'" BIT ON MEANS THIS . . .

X'F0' is the offset of field ANYWORD into the data area. ANYWORD is a 4-byte field, which contains a 1-byte field named ANYBYTE. Both ANYWORD and ANYBYTE have the same offset. The first bit in both fields is named ANYBIT. Ignoring the other bits in the field ANYBYTE, if the ANYBIT bit is on, the value of field ANYBYTE would be 1000 0000, which is equivalent to X'80'. This value (X'80') is shown both in the Description in the data area map and in the column of the cross reference.

Programming interface information

This document contains information NOT intended to be used as programming interfaces of z/OS.

This document also contains intended programming interfaces that allow the customer to write programs to obtain the services of z/OS.

This information is identified where it occurs, either by an introductory statement to a chapter or section or by the following marking:

```
_____ Programming Interface information _____  
_____ End of Programming Interface information _____
```

Unless otherwise specified, for data areas classified as programming interfaces, the **MACRO ID** and **DSECT NAME(S)** in the header are part of the programming interface. **ALL** other header information is included for diagnostic purposes **ONLY**.

Since a *data area name* that is designated as part of the programming interface is one of the following:

- MACRO ID
- DSECT NAME
- commonly-used name

before including the *data area name* in a program, refer to the data area header for the applicable **MACRO ID**.

If only certain fields in a data area are intended or not intended for use as a programming interface, the specific field name(s) are differentiated within the data area.

For data areas classified as programming interfaces, "RESERVED FOR USER" fields are part of the interface; all other "**RESERVED ...**" fields are **NOT** part of the interface.

For a field that is part of the programming interface, the only information that is part of the interface for writing programs is:

- field name
- data type
- field length
- description (purpose or allowed values)

INCLUDE ONLY data area: **ONLY** the MACRO ID is the programming interface. The DSECT NAME, constants, and data area itself are **NOT** part of the programming interface.

TOKEN ONLY data area: **ONLY** the address of the data area is a programming interface. The DSECT NAME, constants, and data area itself are **NOT** part of the programming interface.

IRARMCTZ Information

IRARMCTZ Programming Interface information

Programming Interface information

IRARMCTZ

End of Programming Interface information

IRARMCTZ Heading Information • IRARMCTZ Map

IRARMCTZ Heading Information

Common Name: Resources Manager Control Table Extens. 3
Macro ID: IRARMCTZ
DSECT Name: Rmctz
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: IRARMCTZ
 Offset: 0
 Length: 8
Storage Attributes: Main Storage: ESQA
 Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: 1260 bytes @LRMFCPU
Created by: IEAVNP10
Pointed to by: RMCTX3
Serialization: NONE
Function: This block contains programming interface data needed for customer use e.g. for RMF or vendor products

IRARMCTZ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RMCTZ	
0	(0)	CHARACTER	8	RMCTZ_NAME	control block acronym > IRARMCTZ <
8	(8)	BITSTRING	1	RMCTZ_VERSION	Rmctz version
9	(9)	BITSTRING	1		Reserved
10	(A)	SIGNED	2	RMCTZ_LENGTH	Size of RMCTZ
12	(C)	BITSTRING	1	RMCTZ_LPAR_FLAGS	LPAR Management flags updated by SRM.
Comment					
Bit definitions:					
End of Comment					
		1... ..		RMCTZ_LPARGMT_ENABLED	"X'80" ON if WLM LPAR Management Processing is enabled
		.1.. ..		RMCTZ_LPAR_VARYCPU_ENABLED	"X'40" ON if VARYCPU option is turned on either by default or is explicitly set to 'on'
13	(D)	BITSTRING	1	RMCTZ_FLAG1	RMCTZ Flag 1
Comment					
Bit definitions:					
End of Comment					
		1... ..		RMCTZ_ABN_OPT	"X'80" 1:=ABNORMALTERM option set to NO
		.1.. ..		RMCTZ_MANAGE_NONENCLAVE_WORK	"X'40" 1:=Manage address space transaction work of enclave servers
		..11 1111		RMCTZ_FLAG1_RSVD1	"X'3F" reserved
14	(E)	BITSTRING	1	RMCTZ_FLAG2	RMCTZ Flag 2
Comment					
Bit definitions:					
End of Comment					
		1... ..		RMCTZ_VCM_OPT	"X'80" 1:=VCM specified
		.1.. ..		RMCTZ_VCM	"X'40" 1:=Running in vertical CP management mode
		..1.		RMCTZ_IOMS	"X'20" 1:= I/O management support turned on
		...1		RMCTZ_FULLPRESYSTEM	"X'10" 1:=FullPreSystem specified
		.... 1111		RMCTZ_FLAG2_RSVD1	"X'0F" reserved
15	(F)	BITSTRING	1	RMCTZ_RSVD1	reserved
16	(10)	SIGNED	2	RMCTZ_INITIMP_DP	Initiator dispatching priority
18	(12)	SIGNED	2	RMCTZ_INITIMP	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
20	(14)	CHARACTER	1	RMCTZ_LPAR_WTMGMT	INITIMP value specified in IEAOPTxx member LPAR Weight management section
20	(14)	BITSTRING	1	RMCTZ_LPAR_VARYCPUMIN	Minimum number of CPs which must stay online
21	(15)	BITSTRING	1	RMCTZ_WASROUTINGLEVEL	Keeps status of WASROUTINGLEVEL IEAOPT parameter. If the routing level is 0, WLM uses the newest routing algorithm which is supported by all systems in the sysplex. Level 1 activates ROUNDROBIN algorithm, Level 2 uses only available CP capacity for routing recommendations and Level 3 uses CP, AAP and IIP capacity for routing decisions.
22	(16)	SIGNED	2		reserved
24	(18)	BITSTRING	8	RMCTZ_CAPACITY_CHANGE_TIME	Time when the capacity was last changed
32	(20)	BITSTRING	1	RMCTZ_CAPACITY_ADJUSTMENT_INDICATION	When zero, the indication is not reported. When in the range 1-99, some amount of reduction is indicated. When 100, the machine is operating at its normal capacity. Primary CPUs and all secondary-type CPUs are similarly affected
33	(21)	BITSTRING	1	RMCTZ_CAPACITY_CHANGE_REASON	indicates the reason which is associated with the present value contained in RMCTZ_Capacity_Adjustment_Indication
34	(22)	BITSTRING	1	RMCTZ_CAI_IPL	capacity adjustment indication at IPL
35	(23)	BITSTRING	1	RMCTZ_CCR_IPL	capacity change reason at IPL
36	(24)	SIGNED	4	RMCTZ_NOMINAL_CPMP	nominal CPU adjustment factor (similar to RMCTCPMP but for nominal speed)
40	(28)	SIGNED	4	RMCTZ_RMF_CPU_SAMPLING_INDEX	index of RMF CPU samling area
44	(2C)	SIGNED	4	RMCTZ_ADJC_CEC	CPU rate adjustment factor based on the number of physical CPUs available for the logical partitions to share
48	(30)	SIGNED	4	RMCTZ_CEC_CAPACITY	Total CEC capacity derivated from rmctz_adjc_CEC service units per 10 seconds. The value is based on the number of physical CPUs available for the logical partitions to share
52	(34)	BITSTRING	1	RMCTZ_IOMS_OPT	STORAGESERVERMGT opt parameter: 0 : NO 1 : YES
53	(35)	CHARACTER	3		reserved
56	(38)	BITSTRING	8	RMCTZ_LAST_PA_TOD	Time when last PA interval finished
64	(40)	CHARACTER	192	RMCTZ_UNUSED	reserved
256	(100)	CHARACTER	24	RMCTZ_RMF_CPU_SAMPLING_AREA	area contains 40 CPU sampling table entries which where updated in IRASAPRO using IEAVEWDI. One entry contains CPU using and delay data per processor type (CP, IFA, SUP). The value 40 = (10 seconds * (4 * 250 milliseconds)). One entry= 24 (6 * 4).
256	(100)	CHARACTER	24	RMCTZ_RMF_CPU_SAMPLING_ENTRY	sampling entry containing cp/ifa/sup using and delay samples
256	(100)	SIGNED	4	RMCTZ_RMF_CP_USING_SAMPLES	CPU using samples
260	(104)	SIGNED	4	RMCTZ_RMF_IFA_USING_SAMPLES	IFA using sample
264	(108)	SIGNED	4	RMCTZ_RMF_SUP_USING_SAMPLES	SUP using sample
268	(10C)	SIGNED	4	RMCTZ_RMF_CP_DELAY_SAMPLES	CPU delay samples
272	(110)	SIGNED	4	RMCTZ_RMF_IFA_DELAY_SAMPLES	IFA delay sample
276	(114)	SIGNED	4	RMCTZ_RMF_SUP_DELAY_SAMPLES	SUP delay sample
1216	(4C0)	CHARACTER	44	RMCTZ_SRM_QUEUES_COUNTER	counters for all SRM queues
1216	(4C0)	SIGNED	4	RMCTZ_SRM_OUT_WAIT_QUEUE_COUNT	counter of SRM wait-queue
1220	(4C4)	SIGNED	4	RMCTZ_SRM_LOGICAL_OUT_WAIT_QUEUE_COUNT	
Comment					
counter of SRM logical-swap-wait queue					
End of Comment					
1224	(4C8)	SIGNED	4	RMCTZ_SRM_OUT_READY_QUEUE_COUNT	

IRARMCTZ Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
1228	(4CC)	SIGNED	4	RMCTZ_SRM_LOGICAL_OUT_READY_QUEUE_COUNT	counter of SRM out-queue
1232	(4D0)	SIGNED	4	RMCTZ_SRM_IN_QUEUE_COUNT	counter of SRM out-queue for logical swapped out AS's
1236	(4D4)	SIGNED	4	RMCTZ_SRM_INREADY_QUEUE_COUNT	counter of SRM in-queue
1240	(4D8)	CHARACTER	20	RMCTZ_AS_CLASS_COUNTERS	counter of SRM in-queue with processor using and delays in the AS
1240	(4D8)	SIGNED	4	RMCTZ_STC_COUNT	address space class counters
1244	(4DC)	SIGNED	4	RMCTZ_OMVS_COUNT	number of Started Task address spaces
1248	(4E0)	SIGNED	4	RMCTZ_ASCH_COUNT	number of OMVS address spaces
1252	(4E4)	SIGNED	4	RMCTZ_BTCH_COUNT	number of APPC address spaces
1256	(4E8)	SIGNED	4	RMCTZ_TSO_COUNT	number of Batch address spaces
1260	(4EC)	BITSTRING	1	RMCTZ_ROUTING_PI_FACTOR_PERCENTAGE	number of TSO address spaces
1261	(4ED)	CHARACTER	19	RMCTZ_UNUSED_01	How much % of the PI should we use in the routing calculation
1280	(500)	CHARACTER	1	RMCTZEND (0)	reserved, fillup to be on on cache line boundary
1280	(500)	X'D9C1D9'	0	RMCTZ_EYECATCHER_0TO3	End of RMCTZ Forced to DWORD boundary
1280	(500)	X'C3E3E9'	0	RMCTZ_EYECATCHER_4TO7	"C'IRAR'" This is the first 4-byte segment of an 8-byte constant. eyecatcher
1280	(500)	X'3'	0	RMCTZ_CVERSION	"C'MCTZ'" This is the second 4-byte segment of an 8-byte constant. eyecatcher
1280	(500)	X'28'	0	RMCTZ_RMF_CPU_SAMPLING_TABLE_VALUE	"3" current RMCTZ version
					"40"

Comment

Value of RMF CPU sampling table entries. It follows from sampling cycle 250 milliseconds, this means 4 samples in a second and this follows 40 entries in a 10 second RMF sampling interval

End of Comment

1280	(500)	X'0'	0	RMCTZ_CAI_NO_INDICATION	"0" Capacity Adjustment Indication is not reported
1280	(500)	X'64'	0	RMCTZ_CAI_NORMAL	"100" The machine is operating at its normal capacity.
1280	(500)	X'0'	0	RMCTZ_CCR_NORMAL	"0" When the Capacity Adjustment Indication is non-zero, the System is running at nominal capacity.
1280	(500)	X'1'	0	RMCTZ_CCR_MANUAL	"1" The capacity change is due solely to the setting of a manual control (e.g. Power Savings Mode)
1280	(500)	X'2'	0	RMCTZ_CCR_MACHINE_EXCEPTION	"2" The capacity change is due to a machine-exception condition (e.g. MRU hard failure)
1280	(500)	X'3'	0	RMCTZ_CCR_MACHINE_NON_EXCEPTION	"3" The capacity change is due to a non-exception machine condition (e.g. firmware update)
1280	(500)	X'4'	0	RMCTZ_CCR_EXTERNAL_EXCEPTION	"4" The capacity change is due to an exception condition external to the machine (e.g ambient temperature exceeded specified maximum value)
1280	(500)	X'500'	0	RMCTZ_LEN	"*-RMCTZ"

IRARMCTZ Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RMCTZ	0		RMCTZ_MANAGE_NONENCLAVE_WORK	D	40
RMCTZ_ABN_OPT	D	80	RMCTZ_NAME	0	
RMCTZ_ADJC_CEC	2C		RMCTZ_NOMINAL_CPMP	24	
RMCTZ_AS_CLASS_COUNTERS	4D8		RMCTZ_OMVS_COUNT	4DC	
RMCTZ_ASCH_COUNT	4E0		RMCTZ_RMF_CP_DELAY_SAMPLES	10C	
RMCTZ_BTCH_COUNT	4E4		RMCTZ_RMF_CP_USING_SAMPLES	100	
RMCTZ_CAI_IPL	22		RMCTZ_RMF_CPU_SAMPLING_AREA	100	
RMCTZ_CAI_NO_INDICATION	500	0	RMCTZ_RMF_CPU_SAMPLING_ENTRY	100	
RMCTZ_CAI_NORMAL	500	64	RMCTZ_RMF_CPU_SAMPLING_INDEX	28	
RMCTZ_CAPACITY_ADJUSTMENT_INDICATION	20		RMCTZ_RMF_CPU_SAMPLING_TABLE_VALUE	500	28
RMCTZ_CAPACITY_CHANGE_REASON	21		RMCTZ_RMF_IFA_DELAY_SAMPLES	110	
RMCTZ_CAPACITY_CHANGE_TIME	18		RMCTZ_RMF_IFA_USING_SAMPLES	104	
RMCTZ_CCR_EXTERNAL_EXCEPTION	500	4	RMCTZ_RMF_SUP_DELAY_SAMPLES	114	
RMCTZ_CCR_IPL	23		RMCTZ_RMF_SUP_USING_SAMPLES	108	
RMCTZ_CCR_MACHINE_EXCEPTION	500	2	RMCTZ_ROUTING_PI_FACTOR_PERCENTAGE	4EC	
RMCTZ_CCR_MACHINE_NON_EXCEPTION	500	3	RMCTZ_RSVD1	F	
RMCTZ_CCR_MANUAL	500	1	RMCTZ_SRM_IN_QUEUE_COUNT	4D0	
RMCTZ_CCR_NORMAL	500	0	RMCTZ_SRM_INREADY_QUEUE_COUNT	4D4	
RMCTZ_CEC_CAPACITY	30		RMCTZ_SRM_LOGICAL_OUT_READY_QUEUE_COUNT	4CC	
RMCTZ_CVERSION	500	3	RMCTZ_SRM_LOGICAL_OUT_WAIT_QUEUE_COUNT	4C4	
RMCTZ_EYECATCHER_0TO3	500	D9C1D9	RMCTZ_SRM_OUT_READY_QUEUE_COUNT	4C8	
RMCTZ_EYECATCHER_4TO7	500	C3E3E9	RMCTZ_SRM_OUT_WAIT_QUEUE_COUNT	4C0	
RMCTZ_FLAG1	D		RMCTZ_SRM_QUEUES_COUNTER	4C0	
RMCTZ_FLAG1_RSVD1	D	3F	RMCTZ_STC_COUNT	4D8	
RMCTZ_FLAG2	E		RMCTZ_TSO_COUNT	4E8	
RMCTZ_FLAG2_RSVD1	E	F	RMCTZ_UNUSED	40	
RMCTZ_FULLPRESYSTEM	E	10	RMCTZ_UNUSED_01	4ED	
RMCTZ_INITIMP	12		RMCTZ_VCM	E	40
RMCTZ_INITIMP_DP	10		RMCTZ_VCM_OPT	E	80
RMCTZ_IOMS	E	20	RMCTZ_VERSION	8	
RMCTZ_IOMS_OPT	34		RMCTZ_WASROUTINGLEVEL	15	
RMCTZ_LAST_PA_TOD	38		RMCTZEND	500	
RMCTZ_LEN	500	500			
RMCTZ_LENGTH	A				
RMCTZ_LPAR_FLAGS	C				
RMCTZ_LPAR_VARYCPU_ENABLED	C	40			
RMCTZ_LPAR_VARYCPUMIN	14				
RMCTZ_LPAR_WTMGMT	14				
RMCTZ_LPARGMT_ENABLED	C	80			

IRARMCTZ Cross Reference

IRASRCD Information

IRASRCD Programming Interface information

Programming Interface information

IRASRCD

End of Programming Interface information

IRASRCD Heading Information • IRASRCD Cross Reference

IRASRCD Heading Information

Common Name: System Resource Manager Swapout Reason Codes
Macro ID: IRASRCD
DSECT Name: N/A
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: The IRASRCD macro defines the codes which describe the reasons for swapping users out of memory. The codes are placed in an OUCB field (OUCBSRC) prior to requesting that a user be swapped out.

IRASRCD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	SRCDTOSC	"1" TERM OUTPUT WAIT SWAPOUT
0	(0)	X'2'	0	SRCDTISC	"2" TERMINAL INPUT WAIT SWAPOUT
0	(0)	X'3'	0	SRCDLWSC	"3" LONG WAIT CAUSED SWAP
0	(0)	X'4'	0	SRCDXSSC	"4" AUX STOR SHORTAGE CAUSED SWP
0	(0)	X'5'	0	SRCDRSSC	"5" REAL STOR SHORT CAUSED SWAP
0	(0)	X'6'	0	SRCDDWSC	"6" DETECTED WAIT CAUSED SWAP
0	(0)	X'7'	0	SRCDRSV7	"7" reserved, was REQSWAP
0	(0)	X'8'	0	SRCDNQSC	"8" CAP ENQ EXCHANGE SWAPOUT
0	(0)	X'9'	0	SRCDXSSC	"9" CAP EXCHANGE BASED UPON RECOMMENDATION VALUES
0	(0)	X'A'	0	SRCDUSSC	"10" CAP UNILATERAL SWAPOUT
0	(0)	X'B'	0	SRCDTSSC	"11" TRANSITION SWAP
0	(0)	X'C'	0	SRCDICSC	"12" SWAP TO IMPROVE CENTRAL STORAGE USAGE
0	(0)	X'D'	0	SRCDIPSC	"13" SWAP TO IMPROVE SYSTEM PAGING RATE
0	(0)	X'E'	0	SRCDMRSC	"14" SWAP TO MAKE ROOM FOR AN OUT TOO LONG ADDRESS SPACE
0	(0)	X'F'	0	SRCDAWSC	"15" APPC VERB SERVICE WAIT
0	(0)	X'10'	0	SRCDOISC	"16" WAITING TO PROCESS MORE OpenMVS WORK CAUSED THE SWAP (INPUT)
0	(0)	X'11'	0	SRCDOOSC	"17" WAITING TO OUTPUT MORE OpenMVS WORK CAUSED THE SWAP
0	(0)	X'12'	0	SRCDIRSSC	"18" REALSWAP SYSEVENT CAUSED SWAP
0	(0)	X'12'	0	SRCDMAXN	"18" MAXIMUM VALID SWAP REASON CODE NUMBER

IRASRCD Cross Reference

Name	Hex Offset	Hex Value
SRCDAWSC	0	F
SRCDDWSC	0	6
SRCDXSSC	0	9
SRCDICSC	0	C
SRCDIPSC	0	D
SRCDLWSC	0	3
SRCDMAXN	0	12
SRCDMRSC	0	E
SRCDNQSC	0	8
SRCDOISC	0	10
SRCDOOSC	0	11
SRCDRSSC	0	5
SRCDRSV7	0	7
SRCDTISC	0	2
SRCDTOSC	0	1
SRCDTSSC	0	B
SRCDUSSC	0	A
SRCDXSSC	0	4
SRCDIRSSC	0	12

IRASRMST Information

IRASRMST Programming Interface information

Programming Interface information

IRASRMST

End of Programming Interface information

IRASRMST Heading Information • IRASRMST Map

IRASRMST Heading Information

Common Name: Request SRM Status Sysevent Parameter List
Macro ID: IRASRMST
DSECT Name: SRMSTAT
Owning Component: SYSTEM RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: none
Storage Attributes: Main Storage: n/a
 Virtual Storage: n/a
 Subpool: Storage must be non-pageable
 Key: Sysevent caller's key
 Residency: n/a
Size: 120 BYTES
Created by: Invoker of the REQSRMST sysevent
Pointed to by: Register 1 on sysevent invocation
Serialization: none
Function: This macro defines the parameter list of data that is returned via the REQSRMST sysevent. The storage for this parameter list must be obtained by the issuer of the sysevent and the storage must be non-pageable. The SRMSTLEN field must be filled in with the length of this parameter list. The constant SRMSTSIZ can be used to set this length.
 The issuer must place the address of the parameter list in register 1 prior to issuing the REQSRMST sysevent. If the REQSRMST sysevent is issued with the branch entry option, the caller must also provide the address of a 72 byte standard savearea in register 13.
 The SRMSTMDE bit should be interrogated to determine whether the system is in goal mode or compatibility mode. If SRMSTMDE is on then the system is running in compatibility mode, otherwise the system is in goal mode. Only information pertaining to the current system mode is returned by the sysevent (the data will be zeroes for the non-active mode).
 See individual field descriptions and notes for further details concerning the meaning of the actual data which is returned.

IRASRMST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SRMSTAT	
0	(0)	CHARACTER	4	SRMSTIN (0)	SRMST input fields
0	(0)	SIGNED	2	SRMSTLEN	Length of SRMSTAT
2	(2)	CHARACTER	2	SRMSTRV1	Reserved
4	(4)	CHARACTER	116	SRMSTOUT (0)	SRMST output fields
4	(4)	BITSTRING	1	SRMSTFLG (0)	flags
		1...		SRMSTMDE	"X'80" Mode of the system (OFF - the system is operating in goal mode, ON - the system is operating in compatibility mode)
5	(5)	BITSTRING	1	SRMSTFF1 (0)	Function availability flags for new functions introduced via APARs
		1...		SRMSTERG	"X'80" Enclave Registration
		.1.		SRMSTTAF	"X'40" Temporal affinity
		..1.		SRMSTCAP	"X'20" Monitoring data for defined capacity
		...1		SRMSTDAE	"X'10" Dynamic Application Env. supported
		.... 1...		SRMSTELM	"X'08" eWLM support installed
		.... .1..		SRMSTSSP	"X'04" Stateful Session Placement is supported
		.... ..1.		SRMSTEDS	"X'02" EWLM Delay Monitoring Services supported
		.... ...1		SRMSTSUP	"X'01" SUP support present
6	(6)	BITSTRING	1	SRMSTFF2 (0)	Function availability flags for new functions introduced via APARs
		1...		SRMSTEAD	"X'80" Enclave adjustment
		.1.		SRMSTWDP	"X'40" work-dependent enclaves
		..1.		SRMSTSTS	"X'20" SUBTASKS processing
		...1		SRMWASTK	"X'10" Future Support
7	(7)	CHARACTER	1	SRMSTRV2	Reserved
8	(8)	BITSTRING	8	SRMSTTOC	Current time of day indicating when the REQSRMST sysevent was issued. The timestamp is in store clock (STCK) format.
16	(10)	CHARACTER	8	SRMSTOPT	OPT parmib member in use. NOTE: "IEAOPT--" indicates no OPT member specified.
24	(18)	CHARACTER	16	SRMSTCM (0)	The fields within this structure are applicable to MVS Workload Management compatibility mode. NOTE: All of the fields contained in this structure will be zeroed when in goal mode.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
24	(18)	CHARACTER	8	SRMSTIPS	IPS parmlib member in use. NOTE: "IEAIPS--" indicates the skeleton IPS is in affect.
32	(20)	CHARACTER	8	SRMSTICS	ICS parmlib member in use. NOTE: "IEAICS--" indicates no ICS member specified.
40	(28)	CHARACTER	64	SRMSTGM (0)	The fields within this structure are applicable to MVS Workload Management goal mode. NOTE: All of the fields contained in this structure will be zeroed when in compatibility mode.
40	(28)	CHARACTER	8	SRMSTAPN	Active service policy name.
48	(30)	BITSTRING	8	SRMSTAPT	A timestamp of when the active service policy was originally activated. The timestamp is in store clock (STCK) format.
56	(38)	CHARACTER	8	SRMSTAPU	Userid that activated the service policy.
64	(40)	CHARACTER	8	SRMSTAPS	Name of the system on which the service policy activation was initiated.
72	(48)	CHARACTER	8	SRMSTADN	Installed service definition name at the time the policy was activated
80	(50)	BITSTRING	8	SRMSTADT	A timestamp of when the service definition was installed. The timestamp is in store clock (STCK) format.
88	(58)	CHARACTER	8	SRMSTADU	Userid that installed the service definition.
96	(60)	CHARACTER	8	SRMSTADS	Name of the system on which the service definition was installed.
104	(68)	BITSTRING	1	SRMSTTYP	Most current sysevent type supported for EnqHold and EnqRlse
105	(69)	BITSTRING	1	SRMSTELV	Most current IWMEQTME parameter list version PLISTVER supported by the system: 0 = PLISTVER 0 or 1, 2 = PLISTVER 2
106	(6A)	BITSTRING	1	SRMSTQCN	Most current IRAEVPL parameter list version supported by the system for SYSEVENT QRYCONT. 0 = SYSEVENT QRYCONT is not supported
107	(6B)	BITSTRING	1		For future use
108	(6C)	CHARACTER	12	SRMSTRV3	Reserved
120	(78)	CHARACTER	1	SRMSTEND (0)	End
120	(78)	X'78'	0	SRMSTSIZ	"120"
120	(78)	X'78'	0	SRMSTAT_LEN	""-SRMSTAT"

IRASRMST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SRMSTADN	48		SRMSTWDP	6	40
SRMSTADS	60		SRMWASTK	6	10
SRMSTADT	50				
SRMSTADU	58				
SRMSTAPN	28				
SRMSTAPS	40				
SRMSTAPT	30				
SRMSTAPU	38				
SRMSTAT	0				
SRMSTAT_LEN	78	78			
SRMSTCAP	5	20			
SRMSTCM	18				
SRMSTDAE	5	10			
SRMSTEAD	6	80			
SRMSTEDS	5	2			
SRMSTELM	5	8			
SRMSTELV	69				
SRMSTEND	78				
SRMSTERG	5	80			
SRMSTFF1	5				
SRMSTFF2	6				
SRMSTFLG	4				
SRMSTGM	28				
SRMSTICS	20				
SRMSTIN	0				
SRMSTIPS	18				
SRMSTLEN	0				
SRMSTMDE	4	80			
SRMSTOPT	10				
SRMSTOUT	4				
SRMSTQCN	6A				
SRMSTRV1	2				
SRMSTRV2	7				
SRMSTRV3	6C				
SRMSTSIZ	78	78			
SRMSTSSP	5	4			
SRMSTSTS	6	20			
SRMSTSUP	5	1			
SRMSTTAF	5	40			
SRMSTTOC	8				
SRMSTTYP	68				

IRB Information

IRB Heading Information

Common Name: IRB - Interrupt Response Block
Macro ID: IHAIRB
DSECT Name: IRB
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: YES
 Virtual Storage: n/a
 Auxiliary Storage: n/a
 Subpool: Nucleus
 Key: 0
 Residency: Above 16M
Size: 96 Bytes
Created by: Modules that issue a TSCH.
 IOSVSLIH uses the IOWIRB in the IOWA
 IOSVIRBH uses the IOWRIRB in the IOWA
Pointed to by: n/a
Serialization: None.
Function: The IRB is the operand of the Test Subchannel instruction and contains the subchannel status word.

IRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	96	IRB	
0	(0)	CHARACTER	12	IRBSCSW	Subchannel Status Word
0	(0)	BITSTRING	4	IRBWORD1	First word of IRB
0	(0)	BITSTRING	1	IRBFLG0	Flags
		1111		IRBKEY	o Key
		.... 1...		IRBS	o Suspend control
		.... .1..		IRBL	o ESW contains logout data
		.... ..11		IRBCC	o Deferred Condition Code
1	(1)	BITSTRING	1	IRBFLG1	Flags
		111.		IRBFMT	IRB format, when the processor supports the FCX facility and IRBX is on indicating that this is a transport mode IRB
		1...		IRBF	o Format of channel pgm.
		.1.		IRBP	o Prefetch of CCWs allowed
		..1.		IRBI	o Initial status response requested
		...1		IRBA	o Address limit checking required.
		...1		IRBX	o IRB format control, for processors that support the FCX facility. When this bit is on, it indicates that this is a transport mode IRB. When this bit is off, it indicates that this is a command mode IRB.
		.... 1...		IRBSI	o Suppress suspend interruption
		.... 1...		IRBINTER	o For FCX, Interrogate operation has completed. Defined in the architecture as IRBU.
		.... .1..		IRBZ	o Zero condition code to initial selection
		.... ..1.		IRBE	o IRBEDATA contains extended data
		.... ...1		IRBN	o Path not operational
2	(2)	BITSTRING	2	IRBSCHC0	Subchannel Control
		1...		*	
		.111		IRBFC	FUNCTION Control
		.1.		IRBFSSCH	o Start Subchannel
		..1.		IRBFHSCH	o Halt Subchannel
		...1		IRBFCSCH	o Clear Subchannel
2	(2)	BITSTRING	0	IRBAC	ACTIVITY Control
		.... 1...		IRBARSCH	o Resume pending
		.... .1..		IRBASSCH	o Start pending
		.... ..1.		IRBAHSCH	o Halt pending
		.... ...1		IRBACSCH	o Clear pending
3	(3)	1...		IRBASUBA	o Subchnanel active
		.1.		IRBADEVA	o Device active
		..1.		IRBSSPND	o Subchannel suspended
		...1 1111		IRBSC	STATUS Control
		...1		IRBSALRT	o Alert status
		.... 1...		IRBSINTR	o Intermediate status
		.... .1..		IRBSPRIM	o Primary status
		.... ..1.		IRBSSEC	o Secondary status
		.... ...1		IRBSPNDG	o Status pending

IRB Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	CHARACTER	8	IRBCSW	Channel Status Word (CSW)
4	(4)	ADDRESS	4	IRBCCWAD	CCW address
4	(4)	ADDRESS	4	IRBTCWAD	TCW address
8	(8)	BITSTRING	2	IRBSTAT	Device and Subchannel status
8	(8)	BITSTRING	1	IRBDSTAT	Device Status
		1...		IRBDSATN	o Attention
		.1..		IRBDSSM	o Status modifier
		..1.		IRBDSCUE	o Control unit end
		...1		IRBDSBSY	o Busy
		.... 1...		IRBDSCE	o Channel end
		.... .1..		IRBDSDE	o Device end
		.... ..1.		IRBDSUC	o Unit check
		.... ...1		IRBDSUEX	o Unit exception
9	(9)	BITSTRING	1	IRBSSTAT	Subchannel status
		1...		IRBSSPCI	o Program controlled interrupt
		.1..		IRBSSIL	o Incorrect length
		..1.		IRBSSPGC	o Program check
		...1		IRBSSPTC	o Protection check
		.... 1...		IRBSSCDC	o Channel data check
		.... .1..		IRBSSCCC	o Channel control check
		.... ..1.		IRBSSICC	o Interface control check
		.... ...1		IRBSSADM	o Async data move check
		.... ....1		IRBSSCC	o Chaining check
		.... ...1		IRBSSCRF	o Channel subsystem retry failed
10	(A)	UNSIGNED	2	IRBCOUNT	Residual count
10	(A)	BITSTRING	1	IRBFCXSTATUS	FCX status byte
		1111 111.		*	o Reserved
		.... ...1		IRBTSBVALID	o The Transport Status Block has been stored. This bit is not set for I/O interrupts containing only interrogate status.
11	(B)	BITSTRING	1	IRBSESTAT	Subchannel extended status
		1...		IRBINTGFAILED	Interrogate failed
		.111 1111		IRBSESQ	Subchannel extended status qualifier - see macro IHASESQ
12	(C)	CHARACTER	20	IRBESWL	Extended status word long, mapped by IHAESWL.
12	(C)	CHARACTER	4	IRBESW	Extended Status Word - mapped by IHAESW
16	(10)	CHARACTER	16	IRBRSVD	Reserved
32	(20)	CHARACTER	32	IRBECW	Extended control word.
32	(20)	CHARACTER	32	IRBEDATA	Extended data area
64	(40)	CHARACTER	32	IRBEMW	Extended measurement word
64	(40)	UNSIGNED	4	IRBCONNT	Device connect time
68	(44)	UNSIGNED	4	IRBPENDT	Function pending time
72	(48)	UNSIGNED	4	IRBDISCT	Device disconnect time
76	(4C)	UNSIGNED	4	IRBCUQTA	Control Unit Queuing time
80	(50)	UNSIGNED	4	IRBDAO	Device active only time
84	(54)	UNSIGNED	4	IRBDEVBT	Device busy time
88	(58)	UNSIGNED	4	IRBICMR	Initial command response time
92	(5C)	UNSIGNED	4	*	Reserved

IRB Constants

Len	Type	Value	Name	Description
Comment				
IRBCC field declares - Deferred Condition Codes				
End of Comment				
0	BIT	00	IRBCC0	Deferred condition code 0
0	BIT	01	IRBCC1	Deferred condition code 1
0	BIT	11	IRBCC3	Deferred condition code 3
Comment				
Miscellaneous constants				
End of Comment				
1	DECIMAL	64	IRBNOEMW	The length of IRB without the IRBEMW

IRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IRB	0		IRBSSPCI	9	80
IRBA	1	10	IRBSSPGC	9	20
IRBAC	2		IRBSSPND	3	20
IRBACSCH	2	01	IRBSSPTC	9	10
IRBADEVA	3	40	IRBSSTAT	9	
IRBAHSCH	2	02	IRBSTAT	8	
IRBARSCH	2	08	IRBTCWAD	4	
IRBASSCH	2	04	IRBTSBVALID	A	01
IRBASUBA	3	80	IRBWORD1	0	
IRBCC	0	03	IRBX	1	10
IRBCCWAD	4		IRBZ	1	04
IRBCONNNT	40				
IRBCOUNT	A				
IRBCSW	4				
IRBCUQTA	4C				
IRBDAO	50				
IRBDEVBT	54				
IRBDISCT	48				
IRBDSATN	8	80			
IRBDSBSY	8	10			
IRBDSCE	8	08			
IRBDS CUE	8	20			
IRBDSDE	8	04			
IRBDSSM	8	40			
IRBDSTAT	8				
IRBDSUC	8	02			
IRBDSUEX	8	01			
IRBE	1	02			
IRBECW	20				
IRBEDATA	20				
IRBEMW	40				
IRBESW	C				
IRBESWL	C				
IRBF	1	80			
IRBFC	2	70			
IRBFCSCH	2	10			
IRBFCXSTATUS	A				
IRBFHSCH	2	20			
IRBFLG0	0				
IRBFLG1	1				
IRBFMT	1	E0			
IRBFSSCH	2	40			
IRBI	1	20			
IRBICMR	58				
IRBINTER	1	08			
IRBINTGFAILED					
	B	80			
IRBKEY	0	F0			
IRBL	0	04			
IRBN	1	01			
IRBP	1	40			
IRBPENDT	44				
IRBRSVD	10				
IRBS	0	08			
IRBSALRT	3	10			
IRBSC	3	1F			
IRBSCHC0	2				
IRBSCSW	0				
IRBSESEQ	B	7F			
IRBSESTAT	B				
IRBSI	1	08			
IRBSINTR	3	08			
IRBSPNDG	3	01			
IRBSPRIM	3	04			
IRBSSADM	9	02			
IRBSSCC	9	01			
IRBSSCCC	9	04			
IRBSSCDC	9	08			
IRBSSCRF	9	01			
IRBSSEC	3	02			
IRBSSICC	9	02			
IRBSSIL	9	40			

IRDDCE Information

IRDDCE Programming Interface information

Programming Interface information

IRDDCE

End of Programming Interface information

IRDDCE Heading Information • IRDDCE Map

IRDDCE Heading Information

Common Name: FICON Switch UCB Device Class Extension
Macro ID: IRDDCE
DSECT Name: FsdDce
Owning Component: ESCON Director Device Support (00101)
Eye-Catcher ID: none
Storage Attributes: Subpool: 245
 Key: 0
 Residency: ESQA
Size: FSDDCE -- X'001C' bytes
Created by: IOSIUCB, IOSVCMUB
Pointed to by: UCBCLEXT
Serialization: None
Function: Maps the Switch device class extension.

IRDDCE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FSDDCE	UCB FICON Switch Device Class Extension
0	(0)	BITSTRING	1	FSDDCEVER	DCE Version
1	(1)	CHARACTER	2		Reserved
3	(3)	BITSTRING	1	FSDDCELEN	DCE Length
4	(4)	ADDRESS	4	FSDDCEFSD	Address of FICON Switch Data, mapped by IRDDFSD macro, may be zero before FICON switch is brought online
8	(8)	ADDRESS	4	FSDDCEFACT	FRU code table address
12	(C)	CHARACTER	4	FSDDCEMISC1 (0)	Miscellaneous information
12	(C)	BITSTRING	1	FSDDCENUMSTATCTRS	Number of statistical counters implemented
13	(D)	BITSTRING	1	FSDDCENUMPORTS	Number of external ports implemented/card
14	(E)	BITSTRING	1	FSDDCEFIRSTPORT	First port num implem.
15	(F)	BITSTRING	1	FSDDCELASTPORT	Last port number implem.
16	(10)	CHARACTER	4	FSDDCEMISC2 (0)	Miscellaneous information
16	(10)	BITSTRING	1	FSDDCEFLAGS (0)	
		1...		FSDDCEPFINDICATOR	"X'80" Device recommendation for CCW prefetching
17	(11)	BITSTRING	1	FSDDCEFLAGS2 (0)	
		1...		FSDDCEDFSDSTATSEXIST	"X'80" Some were obtained
		.1..		FSDDCEBADPORTABEND	"X'40" ABEND already issued
		..1.		FSDDCESUPPORTDIAGCMD	"X'20" Switch supports diagnostics command
		...1		FSDDCERCF	"X'10" Refresh configuration information
18	(12)	BITSTRING	1	FSDDCEPRIORFIRSTPORT	To check for a change
19	(13)	BITSTRING	1	FSDDCEPRIORLASTPORT	To check for a change
20	(14)	ADDRESS	4	FSDDCEFSDAREAPTR	Address of MIR data mapped by IHAFSD
24	(18)	SIGNED	4	FSDDCEFSDAREALEN	Size of MIR data area
24	(18)	X'1C'	0	FSDDCE_LEN	"*-FSDDCE"

IRDDCE Cross Reference

Name	Hex Offset	Hex Value
FSDDC	0	
FSDDC_LEN	18	1C
FSDDCBADPORTABEND		
	11	40
FSDDCEDFSDSTATSEXIST		
	11	80
FSDDCFCT	8	
FSDDCFIRSTPORT		
	E	
FSDDCFLAGS	10	
FSDDCFLAGS2	11	
FSDDCFSD	4	
FSDDCFSDAREALEN		
	18	
FSDDCFSDAREAPTR		
	14	
FSDDCLASTPORT		
	F	
FSDDCLEN	3	
FSDDCMISC1	C	
FSDDCMISC2	10	
FSDDCENUMPORTS		
	D	
FSDDCENUMSTATCTRS		
	C	
FSDDCPFINDICATOR		
	10	80
FSDDCPRIORFIRSTPORT		
	12	
FSDDCPRIORLASTPORT		
	13	
FSDDCERCF	11	10
FSDDCESUPPORTDIAGCMD		
	11	20
FSDDCEVER	0	

IRDDFSD Information

IRDDFSD Programming Interface information

Programming Interface information

IRDDFSD

End of Programming Interface information

IRDDFSD Heading Information • IRDDFSD Map

IRDDFSD Heading Information

Common Name: FICON Switch Device Statistical Data Area
Macro ID: IRDDFSD
DSECT Name: Dfsd, DfsdStat
Owning Component: ESCON Director Device Support (00101)
Eye-Catcher ID: 'DFS'
 Offset: 0
 Length: 3
Storage Attributes: Subpool: 245
 Key: 0
 Residency: ESQA
Size: DFSD -- X'043C' bytes
 DFSDSTAT -- X'0040' bytes
Created by: IOSIUUCB, IOSVCMUB, IOSVFSD
Pointed to by: FsdDceFsd in IRDDCE UCB Class Extension
Serialization: None
Function: Maps the FICON Switch Device Statistical Data Area

IRDDFSD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DFSD	UCB FICON Switch Data Area
0	(0)	CHARACTER	60	DFSDHDR (0)	Header of Control Block
0	(0)	CHARACTER	3	DFSDEYE	Eye Catcher - 'DFS'
3	(3)	SIGNED	1	DFSDVER	Version Code
4	(4)	SIGNED	2	DFSDSIZE	Length of structure
6	(6)	SIGNED	2	DFSDPCNT	Ct of ports supported by switch (i.e., number of currently implemented ports)
8	(8)	CHARACTER	32	DFSDNED	Device Node Identifier
40	(28)	CHARACTER	8	DFSDTODU	Time of day at last update
48	(30)	SIGNED	2	DFSDERRU	Failure ct updating statistics
50	(32)	SIGNED	2	DFSDPSTS	Number of ports for which Statistics are being kept (i.e., number of currently installed ports)
52	(34)	CHARACTER	8	DFSDTALS (0)	These tallies are updated in consecutive disabled code
52	(34)	SIGNED	4	DFSDNUBT	Stat Updates Begun Tally
56	(38)	SIGNED	4	DFSDNUET	Stat Updates Ended Tally
60	(3C)	ADDRESS	4	DFSDSTVP	Array of 256 pointers to ports' statistics (mapped by DFSDSTAT). DfsdStvP(n) may be 0 if port number n is not implemented
60	(3C)	X'40'	0	DFSD_LEN	"*-DFSD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DFSDSTAT	Statistics, based on DfsdStvP(n)
0	(0)	SIGNED	2	DFSDSPTN	Port number
2	(2)	CHARACTER	1	DFSDFLG1 (0)	Flags
		1...		DFSDMPIR	"X'80" Port information was returned at least once for this port
		.1..		DFSDNOTI	"X'40" Port info. showed the port not installed
		..1.		DFSDLF	"X'20" Port info. showed link failure condition
		...1		DFSDOFFL	"X'10" Port info. showed the port offline
		.... 1...		DFSDSCR	"X'08" Statistics were returned at least once for this port
		.... .111		DFSDRSV1	"X'07" Reserved for future use
3	(3)	CHARACTER	1		Reserved for future use
4	(4)	SIGNED	8	DFSDSWTC	Ct of Words Transmitted
12	(C)	SIGNED	8	DFSDSWRC	Ct of Words Received
20	(14)	SIGNED	8	DFSDSFTC	Ct of Frames Transmitted
28	(1C)	SIGNED	8	DFSDSFRC	Ct of Frames Received
36	(24)	SIGNED	4	DFSDSF2C	Ct of Class 2 Frames received
40	(28)	SIGNED	4	DFSDSF3C	Ct of Class 3 Frames received
44	(2C)	SIGNED	4	DFSDSFLC	Ct of Link Ctl Frames Recvd
48	(30)	SIGNED	4	DFSDSMFC	Ct of Multicast Frames Recvd
52	(34)	SIGNED	4	DFSDSFPT	Frame Pacing Time
56	(38)	SIGNED	4	DFSDSFEC	not used
60	(3C)	SIGNED	4	DFSDSLEC	Error Summary Count
60	(3C)	X'40'	0	DFSDSTAT_LEN	"*-DFSDSTAT"

IRDDFSD Cross Reference

Name	Hex Offset	Hex Value
DFSD	0	
DFSD_LEN	3C	40
DFSDERRU	30	
DFSDEYE	0	
DFSDFLG1	2	
DFSDHDR	0	
DFSDLF	2	20
DFSDMPIR	2	80
DFSDNED	8	
DFSDNOTI	2	40
DFSDNUBT	34	
DFSDNUET	38	
DFSDOFFL	2	10
DFSDPCNT	6	
DFSDPSTS	32	
DFSDRSV1	2	7
DFSDSCR	2	8
DFSDSFEC	38	
DFSDSFLC	2C	
DFSDSFPT	34	
DFSDSFRC	1C	
DFSDSFTC	14	
DFSDSF2C	24	
DFSDSF3C	28	
DFSDSIZE	4	
DFSDSLEC	3C	
DFSDSMFC	30	
DFSDSPTN	0	
DFSDSTAT	0	
DFSDSTAT_LEN	3C	40
DFSDSTVP	3C	
DFSDSWRC	C	
DFSDSWTC	4	
DFSDTALS	34	
DFSDTODU	28	
DFSDVER	3	

ISGE51CN Information

ISGE51CN Programming Interface information

Programming Interface information

ISGE51CN

End of Programming Interface information

ISGE51CN Heading Information • ISGE51CN Map

ISGE51CN Heading Information

Common Name: Global and Local Contention Data (ENF Event Code 51)
Macro ID: ISGE51CN
DSECT Name: ENF51C - Global and local contention data
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: ENF51C
 Offset: 0
 Length: 6 bytes
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: 241
 Key: 0
 Data Space: No
 Residency: ANY
Size: Variable
 ENF51C -- X'0030' bytes
 + length of contention data
Created by: GRS or ENF
Pointed to by: First word of the address list pointed to by register 1 on entry to an ENF listen exit
Serialization: None
Function: Maps global and local contention data provided by ENF event code 51

ISGE51CN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF51C	Contention data
0	(0)	CHARACTER	16	ENF51C_HEADER	Header information
0	(0)	CHARACTER	6	ENF51CID	Control block identifier 'ENF51C'
6	(6)	SIGNED	2	ENF51CVERS	Version number. Current version is ENF51CCVER.
8	(8)	SIGNED	4	ENF51CLEN	Length of ENF51C control block, including the appended contention data beginning at ENF51C_RIB
12	(C)	CHARACTER	4		Reserved
16	(10)	CHARACTER	32	ENF51C_CONTENTION_DATA	Contention data
16	(10)	BITSTRING	1	ENF51C_FLAGS	Event description
Comment					
Bit definitions:					
End of Comment					
		1...		ENF51C_CONTENTION_EXISTS	"X'80" Contention exists for this resource
		.1..		ENF51C_SYSTEM_FAILURE	"X'40" The system named in ENF51C_FAILED_SYSTEM has failed and has no further interest in any resource
		..1.		ENF51C_SYSTEM_ERROR	"X'20" Contention notifications may have been lost. This may be due to system errors or migration of the CNS. ENF51C_FAILED_SYSTEM will contain the name of the system in error or in the case of CNS migration, the old CNS.
		...1		ENF51C_DATA_INCOMPLETE	"X'10" The amount of data exceeded the maximum amount that can be transmitted with a cross-system-capable ENF signal
		.... 1...		ENF51C_SYSTEM_ERROR_CLEARED	"X'08" Global resource contention data is once again valid.
17	(11)	CHARACTER	1		Reserved
18	(12)	SIGNED	2	ENF51C_EVENTS_COMBINED	Count of events that were combined into this notification. This field is valid when ENF51CVERS is at least ENF51CVER3
20	(14)	CHARACTER	8	ENF51C_TIMESTAMP	Time for which contention data is valid
28	(1C)	SIGNED	2	ENF51C_RIB_OFFSET	Offset from the beginning of the parameter list to the beginning of the RIB
30	(1E)	SIGNED	2	ENF51C_RIB_SIZE	Length of the fixed portion of the RIB (analogous to the first halfword returned by GQSCAN in register 0)
32	(20)	SIGNED	2	ENF51C_RIBE_SIZE	Length of each RIBE (analogous to the second halfword returned by GQSCAN in register 0)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
34	(22)	CHARACTER	6		Reserved
40	(28)	CHARACTER	8	ENF51C_FAILED_SYSTEM	Name of failing system. Valid only for ENF51C_RECOVERY qualifier.
48	(30)	CHARACTER	1	ENF51C_RIB (0)	Beginning of RIB/RIBE data
Comment					
Constant values					
End of Comment					
48	(30)	X'1'	0	ENF51CVER1	"1" First version of ENF51C
48	(30)	X'2'	0	ENF51CVER2	"2" Second version of ENF51C
48	(30)	X'3'	0	ENF51CVER3	"3" Third version of ENF51C
48	(30)	X'3'	0	ENF51CCVER	"3" Current version of ENF51C
		.... ....		ENF51C_ALL_CONT	"X'01000000" ENFREQ qualifier value requesting all contention data, excluding "waitless contention" resulting from RET=USE and RET=CHNG type ENQs
		.... ...1		ENF51C_LCONT	"X'01000001" ENFREQ qualifier value requesting local contention data, excluding "waitless contention" resulting from RET=USE and RET=CHNG type ENQs
		.... ..1.		ENF51C_GCONT	"X'01000002" ENFREQ qualifier value requesting global contention data, excluding "waitless contention" resulting from RET=USE and RET=CHNG type ENQs
48	(30)	BITSTRING	0	ENF51C_ALL_CONTX	"X'01000100" ENFREQ qualifier value requesting all contention data, specifically from "waitless contention" resulting from RET=USE and RET=CHNG type ENQs
48	(30)	BITSTRING	0	ENF51C_LCONTX	"X'01000101" ENFREQ qualifier value requesting local contention data, specifically from "waitless contention" resulting from RET=USE and RET=CHNG type ENQs
48	(30)	BITSTRING	0	ENF51C_GCONTX	"X'01000102" ENFREQ qualifier value requesting global contention data, specifically from "waitless contention" resulting from RET=USE and RET=CHNG type ENQs
		.... ..11		ENF51C_RECOVERY	"X'01000003" ENFREQ qualifier value requesting contention recovery data
48	(30)	X'30'	0	ENF51C_LEN	**ENF51C"

ISGE51CN Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ENF51C	0		ENF51C_RIBE_SIZE	1E	
ENF51C_ALL_CONT	30	0		20	
ENF51C_ALL_CONTX	30	100	ENF51C_SYSTEM_ERROR	10	20
ENF51C_CONTENTION_DATA	10		ENF51C_SYSTEM_ERROR_CLEARED	10	8
ENF51C_CONTENTION_EXISTS	10	80	ENF51C_SYSTEM_FAILURE	10	40
ENF51C_DATA_INCOMPLETE	10	10	ENF51C_TIMESTAMP	14	
ENF51C_EVENTS_COMBINED	12		ENF51CCVER	30	3
ENF51C_FAILED_SYSTEM	28		ENF51CID	0	
ENF51C_FLAGS	10		ENF51CLEN	8	
ENF51C_GCONT	30	2	ENF51CVERS	6	
ENF51C_GCONTX	30	102	ENF51CVER1	30	1
ENF51C_HEADER	0		ENF51CVER2	30	2
ENF51C_LCONT	30	1	ENF51CVER3	30	3
ENF51C_LCONTX	30	101			
ENF51C_LEN	30	30			
ENF51C_RECOVERY	30	3			
ENF51C_RIB	30				
ENF51C_RIB_OFFSET	1C				
ENF51C_RIB_SIZE					

ISGE51RN Information

ISGE51RN Programming Interface information

Programming Interface information

ISGE51RN

End of Programming Interface information

ISGE51RN Heading Information • ISGE51RN Map

ISGE51RN Heading Information

Common Name: Job Suspension/Resumption due to RNL Change (ENF Event Code 51)
Macro ID: ISGE51RN
DSECT Name: ENF51R - Job suspension due to RNL change ENF51R_RESOURCE_NAME
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: ENF51R
 Offset: 0
 Length: 6 bytes
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: 241
 Key: 0
 Data Space: No
 Residency: ANY
Size: ENF51R -- X'0020' bytes
 ENF51R_RESOURCE_NAME -- X'0008' bytes
 + length of RNAME
Created by: GRS or ENF
Pointed to by: First word of the address list pointed to by register 1 on entry to an ENF listen exit
Serialization: None
Function: Describes a resource request that causes a job to be suspended because an RNL change is in progress or resumed following the RNL change (ENF event code 51).

ISGE51RN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF51R	RNL job suspension/resumption data
0	(0)	CHARACTER	16	ENF51R_HEADER	Header information
0	(0)	CHARACTER	6	ENF51RID	Control block identifier 'ENF51R'
6	(6)	SIGNED	2	ENF51RVERS	Version number. Current version is ENF51RCVER.
8	(8)	SIGNED	2	ENF51RLEN	Length of ENF51R control block (including ENF51R_RESOURCE_DATA)
10	(A)	SIGNED	2	ENF51R_RES_OFFSET	Offset to the resource name (mapped by ENF51R_RESOURCE_DATA)
12	(C)	CHARACTER	4		Reserved
16	(10)	CHARACTER	16	ENF51R_DATA	Data pertaining to job and resource
16	(10)	SIGNED	2	ENF51R_ASID	ASID of address space in which job was running
18	(12)	BITSTRING	1	ENF51R_JOB_FLAGS	Job-related flags
Comment					
Bit definitions:					
End of Comment					
		1... ..		ENF51R_JOB_SUSPENDED	"X'80" On if job has been suspended, off if job has resumed
19	(13)	BITSTRING	1	ENF51R_RESOURCE_FLAGS	Resource description
Comment					
Bit definitions:					
End of Comment					
		1... ..		ENF51R_SYSTEM_SCOPE	"X'80" Resource scope was SYSTEM
		.1.		ENF51R_SYSTEMS_SCOPE	"X'40" Resource scope was SYSTEMS
		..1.		ENF51R_SHARED	"X'20" On if requesting shared ownership, off if requesting exclusive ownership
20	(14)	BITSTRING	1	ENF51R_RNAME_LEN	Length of resource RNAME
21	(15)	CHARACTER	3		Reserved
24	(18)	CHARACTER	8	ENF51R_TIMESTAMP	Time at which job was suspended
32	(20)	CHARACTER	1	ENF51R_END (0)	End of base part of ENF51R parameter list

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Constant values					
End of Comment					
32	(20)	X'1'	0	ENF51RVER1	"1" First version of ENF51R
32	(20)	X'1'	0	ENF51RCVER	"1" Current version of ENF51R
32	(20)	X'F1'	0	ENF51R_KSUBPOOL	"241" Storage subpool for parameter list
		.... ....		ENF51R_ALL_RNL	"X'02000000" ENFREQ qualifier value requesting all RNL data
		.... ..1		ENF51R_SUSPEND	"X'02000001" ENFREQ qualifier value requesting job suspension data
		.... ..1.		ENF51R_RESUME	"X'02000002" ENFREQ qualifier value requesting job resumption data
32	(20)	X'20'	0	ENF51R_LEN	** -ENF51R"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF51R_RESOURCE_NAME	
Comment					
Resource requested when job was suspended					
End of Comment					
0	(0)	CHARACTER	8	ENF51R_QNAME	Resource QNAME
8	(8)	CHARACTER	1	ENF51R_RNAME	Beginning of RNAME
8	(8)	X'8'	0	ENF51R_RESOURCE_NAME_LEN	** -ENF51R_RESOURCE_NAME"

ISGE51RN Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ENF51R	0		ENF51R_SYSTEM_SCOPE	13	80
ENF51R_ALL_RNL		0	ENF51R_SYSTEMS_SCOPE	13	40
ENF51R_ASID	10		ENF51R_TIMESTAMP	18	
ENF51R_DATA	10		ENF51RCVER	20	1
ENF51R_END	20		ENF51RID	0	
ENF51R_HEADER			ENF51RLEN	8	
ENF51R_JOB_FLAGS	12		ENF51RVERS	6	
ENF51R_JOB_SUSPENDED	12	80	ENF51RVER1	20	1
ENF51R_KSUBPOOL	20	F1			
ENF51R_LEN	20	20			
ENF51R_QNAME	0				
ENF51R_RES_OFFSET					
ENF51R_RESOURCE_FLAGS	13				
ENF51R_RESOURCE_NAME	0				
ENF51R_RESOURCE_NAME_LEN	8	8			
ENF51R_RESUME	20	2			
ENF51R_RNAME	8				
ENF51R_RNAME_LEN	14				
ENF51R_SHARED	13	20			
ENF51R_SUSPEND	20	1			

ISGLMASM Information

ISGLMASM Programming Interface information

Programming Interface information

ISGLMASM

End of Programming Interface information

ISGLMASM Heading Information • ISGLMASM Map

ISGLMASM Heading Information

Common Name: GRS Latch Manager Services Assembler Declares
Macro ID: ISGLMASM
DSECT Name: N/A
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Size: 0 bytes
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: Defines assembler constants for the use of GRS Latch Manager

ISGLMASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	ISGLCRT_PRIVATE	"0"
0	(0)	X'2'	0	ISGLCRT_LOWSTGUSAGE	"2"
0	(0)	X'40'	0	ISGLCRT_DEADLOCKDET1	"64"
0	(0)	X'80'	0	ISGLCRT_DEADLOCKDET2	"128"
Comment					
GRS Latch Manager Latch Create Return Codes					
End of Comment					
0	(0)	X'0'	0	ISGLCRT_SUCCESS	"0"
0	(0)	X'4'	0	ISGLCRT_DUPLICATE_NAME	"4"
0	(0)	X'10'	0	ISGLCRT_NO_STORAGE	"16"
Comment					
GRS Latch Manager Latch Obtain Option Constants					
End of Comment					
0	(0)	X'0'	0	ISGLOBT_SYNC	"0"
0	(0)	X'1'	0	ISGLOBT_COND	"1"
0	(0)	X'2'	0	ISGLOBT_ASYNC_ECB	"2"
Comment					
GRS Latch Manager Latch Obtain Access Constants					
End of Comment					
0	(0)	X'0'	0	ISGLOBT_EXCLUSIVE	"0"
0	(0)	X'1'	0	ISGLOBT_SHARED	"1"
Comment					
GRS Latch Manager Latch Obtain Return Codes					
End of Comment					
0	(0)	X'0'	0	ISGLOBT_SUCCESS	"0"
0	(0)	X'4'	0	ISGLOBT_CONTENTION	"4"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
GRS Latch Manager Latch Release Option Constants					
End of Comment					
0	(0)	X'0'	0	ISGLREL_UNCOND	"0"
0	(0)	X'1'	0	ISGLREL_COND	"1"
Comment					
GRS Latch Manager Latch Release Return Codes					
End of Comment					
0	(0)	X'0'	0	ISGLREL_SUCCESS	"0"
0	(0)	X'4'	0	ISGLREL_NOT_OWNED_ECB_REQUEST	"4"
0	(0)	X'8'	0	ISGLREL_STILL_SUSPENDED	"8"
0	(0)	X'C'	0	ISGLREL_INCORRECT_LATCH_TOKEN	"12"
Comment					
GRS Latch Manager Latch Purge Return Codes					
End of Comment					
0	(0)	X'0'	0	ISGLPRG_SUCCESS	"0"
0	(0)	X'4'	0	ISGLPRG_DAMAGE_DETECTED	"4"
Comment					
GRS Latch Manager Latch Identity Return Codes					
End of Comment					
0	(0)	X'0'	0	ISGLID_SUCCESS	"0"
0	(0)	BITSTRING	0	ISGLID_REPLACED	"X'00000401"
Comment					
GRS Latch Manager Latch Identity Entry Mapping					
End of Comment					
0	(0)	DBL WORD	8	(0)	
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYLID_ENTRY	
Comment					
The following thresholds may be used either by GRS, or by an application requesting information from GRS about this latch. How these values will be used by applications is not discussed here. Please see the documentation for individual applications for details on if and how they are used					
End of Comment					
0	(0)	SIGNED	4	LIDHOLDTHRESHOLD	

ISGLMASM Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	SIGNED	4	LIDCONTHRESHOLD	The time in seconds that is not normal for this latch to be held. With this field, a value of x'00000000' is deemed to mean "take the default." This allows users to not have to specify the default value of x'FFFFFFF' in every entry. The default value indicates that no matter how long this latch is held, it should not be treated as an exception. An example usage of this field would be for an application to issue a message if it were to find a latch held for a time period longer than that specified here, even if no contention exists.
8	(8)	ADDRESS	8	LIDPRINTABLESTRING@	The time in seconds that is not out of the for this latch to be in contention. For example, when D GRS,ANALYZE,LATCH,BLOCKER and D GRS,ANALYZE,LATCH,WAITER process this element, it will be ignored unless the current longest waiter's wait time exceeds this threshold. A value greater than x'1D55600' (one year) will be treated by these commands as an indication to never display this latch.
16	(10)	SIGNED	2	LIDPRINTABLESTRINGLENGTH	address of printable (EBCDIC) string
18	(12)	CHARACTER	10		length of printable (EBCDIC) string
18	(12)	X'1C'	0	ISGYLID_ENTRY_LEN	reserved for future use
18	(12)	X'1'	0	ISGYLID_VERSION1	"*-ISGYLID_ENTRY"
18	(12)	X'1'	0	ISGYLID_MAXVERSION	"1" Version of the ISGYLID_Entry.
					"ISGYLID_VERSION1" Maximum version of the ISGYLID_Entry.
Comment					
End of GRS Latch Manager Services Declarations					
End of Comment					

ISGLMASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGLCRT_DEADLOCKDET1	0	40	ISGLREL_NOT_OWNED_ECB_REQUEST	0	4
ISGLCRT_DEADLOCKDET2	0	80	ISGLREL_STILL_SUSPENDED	0	8
ISGLCRT_DUPLICATE_NAME	0	4	ISGLREL_SUCCESS	0	0
ISGLCRT_LOWSTGUSAGE	0	2	ISGLREL_UNCOND	0	0
ISGLCRT_NO_STORAGE	0	10	ISGYLID_ENTRY	0	
ISGLCRT_PRIVATE	0	0	ISGYLID_ENTRY_LEN	12	1C
ISGLCRT_SUCCESS	0	0	ISGYLID_MAXVERSION	12	1
ISGLID_REPLACED	0	401	ISGYLID_VERSION1	12	1
ISGLID_SUCCESS	0	0	LIDCONTHRESHOLD	4	
ISGLOBT_ASYNC_ECB	0	2	LIDHOLDTHRESHOLD	0	
ISGLOBT_COND	0	1	LIDPRINTABLESTRING@	8	
ISGLOBT_CONTENTION	0	4	LIDPRINTABLESTRINGLENGTH	10	
ISGLOBT_EXCLUSIVE	0	0			
ISGLOBT_SHARED	0	1			
ISGLOBT_SUCCESS	0	0			
ISGLOBT_SYNC	0	0			
ISGLPRG_DAMAGE_DETECTED	0	4			
ISGLPRG_SUCCESS	0	0			
ISGLREL_COND	0	1			
ISGLREL_INCORRECT_LATCH_TOKEN	0	C			

ISGYCNFP Information

ISGYCNFP Programming Interface information

Programming Interface information

ISGYCNFP

End of Programming Interface information

ISGYCNFP Heading Information • ISGYCNFP Map

ISGYCNFP Heading Information

Common Name: Contention Notification Filter Parameter list
Macro ID: ISGYCNFP
DSECT Name: CNFP
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: CNFP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
 Residency: Above the 16M line
Size: LENGTH(CNFP)
 CNFP -- X'00B0' bytes
Created by: ISGGCN
Pointed to by: R1 points to the CNFP on entry to the exit routine
Serialization: N/A
Function: The Contention Notification Filter Parameter list is passed to an installation provided exit routine installed at the ISGNQXITSYSTEM or ISGNQXITSYSPLEX exit point, depending on the scope of the resource. It gives the installation the ability to filter out ENF 51 signal processing on a resource basis. The resource name information referenced in the parameter list should not be altered. Additional information about the request is also provided when available and can be used by contention monitors.

ISGYCNFP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CNFP	+00x-----
0	(0)	CHARACTER	4	CNFP_ID	Eyeatcher
4	(4)	BITSTRING	1	CNFP_VERSION	Version
5	(5)	CHARACTER	3		Reserved
8	(8)	ADDRESS	4	CNFP_WORKAREA@	Pointer to a 4K work area, usable by exit routines
12	(C)	CHARACTER	4	CNFP_FLAGS (0)	
12	(C)	CHARACTER	2	CNFP_OUTPUTFLAGS	"X'80" When set to 1 by the exit routine, ENF 51 processing will be bypassed for this resource.
		1...		CNFP_FILTER	
14	(E)	CHARACTER	2	CNFP_INPUTFLAGS	"X'80" When 1, the exit routine is being called for the ISGCNFXITSYSTEM entry point. When 0, the exit routine is being called for the ISGCNFXITSYSPLEX entry point.
		1...		CNFP_SYSTEM	
		.1.		CNFP_CONTENTIONSTART	"X'40" When 1, this exit is being called for a start of contention event
		..1.		CNFP_CONTENTIONCHANGE	"X'20" When 1, this exit is being called for a change of contention event
		...1		CNFP_CONTENTIONEND	"X'10" When 1, this exit is being called for a end of contention event
		.... 1..		CNFP_REQUESTDATAAVAILABLE	"X'08" When 1, the fields in Cnfp_RequestData are valid. This bit is only valid when version is Cnfp_kVersion#2 and above. +10x-----
16	(10)	ADDRESS	4	CNFP_QNAME@	Pointer to resource Qname
20	(14)	ADDRESS	4	CNFP_RNAME@	Pointer to resource Rname
24	(18)	SIGNED	4	CNFP_RLEN	Length of resource Rname
28	(1C)	CHARACTER	4		Reserved ***** Fields below this line only available with version 2 and higher *****
32	(20)	CHARACTER	144	CNFP_REQUESTDATA (0)	ENQ/DEQ request state information, these values cannot be changed. These fields are only available when Cnfp_RequestDataAvailable is set. +20x-----
32	(20)	CHARACTER	32	CNFP_RSCTOKEN	Token uniquely identifying the resource. The token represents the local systems view of the resource and expires when no requests for the resource remain. Additionally, in Star mode the token expires when the local system no longer has interest in (i.e. requests for) the resource. +40x-----
64	(40)	CHARACTER	32	CNFP_ENQTOKEN	Token uniquely identifying the queued request to the resource. +60x-----
96	(60)	CHARACTER	16	CNFP_RD_REQUESTTOKEN	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Unique token identifying the GRS exit call processing for the request. If needed, all exits driven for this request can use this token to identify the same request. See the prologue for more information. +70x-----
112	(70)	BITSTRING	1	REQUESTFLAGS (0)	Flags about request
		1... ..		CNFP_ENDOFTASK	"X'80" When 1, this contention event is a result of task termination. Note that the only RequestData fields that are valid when Cnfp_EndOfTask is set are the above tokens, the ASCB, TCB, and final scope. All others are not applicable nor set.
		.1.. ..		CNFP_ENDOFMEMORY	"X'40" When 1, this contention event is a result of address space termination. Note that the only RequestData fields that are valid when Cnfp_EndOfMemory is set are the above tokens, the ASCB, and final scope. All others are not applicable nor set.
		..1.		CNFP_INTERNALREQUEST	"X'20" When 1, this contention event is a result of an internal GRS request and is not a direct result of ENQ/DEQ on behalf of a caller. Note that the only RequestData fields that are valid when Cnfp_InternalRequest is set are the above tokens, the ASCB, TCB, and final scope. All others are not applicable nor set.
113	(71)	CHARACTER	7		Reserved
120	(78)	ADDRESS	4	CNFP_RD_ASCB@	Pointer to requester's ASCB
124	(7C)	ADDRESS	4	CNFP_RD_TCB@	Pointer to requester's TCB or directed TCB if TCB= was specified. Note that if Cnfp_RD_MASid is zero then the request is not treated as a MASID/MTCB request. +80x-----
128	(80)	BITSTRING	1	CNFP_RD_SCOPE	Final resolved request scope after any exit and RNL changes. See Cnfp_kScope values.
129	(81)	BITSTRING	1	CNFP_RD_ORIGINALSCOPE	Scope before exit and RNL processing. See Cnfp_kScope values.
130	(82)	BITSTRING	1	CNFP_RD_RET (0)	Request RET value, see Cnfp_kRET values
		.... .1..		CNFP_RD_RET1	"X'04" Maps to PELRET1
		.... ..1.		CNFP_RD_RET2	"X'02" Maps to PELRET2
		.... ...1		CNFP_RD_RET3	"X'01" Maps to PELRET3
131	(83)	CHARACTER	1		Reserved
132	(84)	ADDRESS	4	CNFP_RD_UCB@	Request UCB address after ISGNQXIT/FAST and RNL processing. Only valid when Cnfp_SF1_ENQ is set. Note that the actual device RESERVE will not be issued when Cnfp_SF3_Converted is set
136	(88)	SIGNED	2	CNFP_RD_MASID	Request MASID value. This field might be cleared to zero indicating the request was not processed as a MASID request (such as when the targeted task was not found or the request could be a true owner).
138	(8A)	BITSTRING	1	CNFP_RD_NQXITSCOPE	Scope value after ISGNQXITFAST and ISGNQXIT processing. A comparison with Cnfp_RD_OriginalScope determines if the exit changed the scope. See Cnfp_kScope values.
139	(8B)	CHARACTER	1		Reserved
140	(8C)	ADDRESS	4	CNFP_RD_MTCB	Request MTCB value +90x-----
144	(90)	CHARACTER	8	CNFP_RD_JOBNAME	Requester's Jobname
152	(98)	CHARACTER	8	CNFP_RD_SYSNAME	Requester's Sysname +A0x-----
160	(A0)	ADDRESS	4	CNFP_RD_NSI@ (0)	Requester's next sequential instruction address, when ENQ/DEQ ends, this is address of the next instruction in the calling program that will be executed
		1... ..		CNFP_RD_AMODE31	"X'80" When set, ENQ caller is AMODE 31 or 64
164	(A4)	ADDRESS	4	CNFP_RD_ECB@	Pointer to original request ECB (set when ECB= specified on the request)
168	(A8)	CHARACTER	3	CNFP_STATEFLAGS (0)	ENQ/DEQ request state flags
168	(A8)	BITSTRING	1	CNFP_STATEFLAGS1 (0)	First byte of state flags
		1... ..		CNFP_SF1_ENQ	"X'80" When 1, request is ENQ/RESERVE, when 0, request is DEQ. If Cnfp_SF1_ISGENQ is set then when 1, ISGENQ REQUEST=OBTAIN or CHANGE, when 0, REQUEST=RELEASE. See Cnfp_SF2_Change to distinguish between ISGENQ REQUEST=OBTAIN and REQUEST=CHANGE.
		.1..		CNFP_SF1_AUTHORIZED	"X'40" Caller is authorized. That is the requester was at least one of the following: Supervisor state, PSW key 0-7, or APF authorized.

ISGYCNFP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		CNFP_SF1_MATCHTASK	"X'20" When 1, request specified MASID/MTCB. Note that if Cnfp_RD_MASid is zero then the request is not treated as a MASID/MTCB request.
		...1		CNFP_SF1_SMCORRMC	"X'10"
		...1		CNFP_SF1_STEPMUSTCOMPLETE	"X'10" When 1, ENQ request specified SMC=YES
		...1		CNFP_SF1_RESETMUSTCOMPLETE	"X'10" When 1, DEQ request specified RMC=YES
		.... 1...		CNFP_SF1_LINKAGE	"X'08" When 1, request is PC entered when 0, request is SVC entered. As ISGENQ requests are all PC entered, this bit will be 1 for all ISGENQ requests.
		.... .1..		CNFP_SF1_ISGENQ	"X'04" When 1, request is ISGENQ
		.... ..1.		CNFP_SF1_ISGENQCONDYES	"X'02" When 1, request is a conditional ISGENQ request (ISGENQ COND=YES)
169	(A9)	BITSTRING	1	CNFP_STATEFLAGS2 (0)	Second byte of state flags
		1...		CNFP_SF2_SHARE	"X'80" For ENQ/RESERVE requests, when 1 request is for shared access, when 0, request is for exclusive access
		.1..		CNFP_SF2_RNLEQNO	"X'40" RNL=NO was specified on the request
		..1.		CNFP_SF2_CHANGE	"X'20" When 1, request is a change (i.e. ENQ RET=CHNG or ISGENQ REQUEST=CHANGE).
		...1		CNFP_SF2_TEST_YES	"X'10" When 1, ISGENQ with TEST=YES. When 0, Not ISGENQ with TEST=YES (i.e. TEST=NO if Cnfp_SF1_ISGENQ is set).
		.... 1...		CNFP_SF2_CONTENTIONACT_FAIL	"X'08" When 1, ISGENQ with CONTENTIONACT=FAIL. When 0, not CONTENTIONACT=FAIL (i.e. CONTENTIONACT=WAIT if Cnfp_SF1_ISGENQ is set and Cnfp_SF2_TEST_YES is off).
		.... .1..		CNFP_SF2_ECB	"X'04" When 1, ECB keyword specified (i.e. ISGENQ WAITTYPE=ECB or or ENQ with ECB). When 0, No ECB specified (i.e. WAITTYPE=SUSPEND if Cnfp_SF1_ISGENQ is set and Cnfp_SF2_TEST_YES and Cnfp_SF2_CONTENTIONACT_FAIL are off).
170	(AA)	BITSTRING	1	CNFP_STATEFLAGS3 (0)	Third byte of state flags
		1...		CNFP_SF3_INCLUDED	"X'80" Resource promoted to SYSTEMS scope
		.1..		CNFP_SF3_CONVERTED	"X'40" Resource converted from RESERVE to SYSTEMS ENQ only. As such, the device RESERVE will not be issued, but Cnfp_RD_Ucb@ will still be set
		..1.		CNFP_SF3_EXCLUDED	"X'20" Resource demoted to SYSTEM scope
		...1		CNFP_SF3_GLOBAL	"X'10" Resource request will be processed globally by GRS. Note Cnfp_SF3_Global will always be off in GRS=NONE mode.
171	(AB)	CHARACTER	5		Reserved +B0x-----
176	(B0)	CHARACTER	1	CNFP_END (0)	

Comment

CNFP Constants

End of Comment

176	(B0)	X'D5C6D7'	0	CNFP_KID	"C'CNFP" Eyecatcher
176	(B0)	X'1'	0	CNFP_KVERSION#1	"1" Original version (OW53323)
176	(B0)	X'2'	0	CNFP_KVERSION#2	"2" Version HBB7760
176	(B0)	X'2'	0	CNFP_KCURRENTVERSION	"2" Current version (same)
176	(B0)	X'0'	0	CNFP_KSCOPESTEP	"0" Scope=Step
176	(B0)	X'1'	0	CNFP_KSCOPESYSTEM	"1" Scope=System
176	(B0)	X'2'	0	CNFP_KSCOPESYSTEMS	"2" Scope=Systems
176	(B0)	X'0'	0	CNFP_KRETNONE	"0" Ret=None

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
176	(B0)	X'1'	0	CNFP_KRETHAVE	"1" Ret=Have
176	(B0)	X'2'	0	CNFP_KRETCNG	"2" Ret=Chng
176	(B0)	X'3'	0	CNFP_KRETUSE	"3" Ret=Use
176	(B0)	X'7'	0	CNFP_KRETTEST	"7" Ret=Test
176	(B0)	X'4'	0	CNFP_KRETECB	"4" An ECB is specified for this ENQ request, via either the ECB= parameter on ENQ or the WAITTYPE=ECB parameter on ISGENQ REQUEST=OBTAIN
176	(B0)	X'F0'	0	CNFP_KSF3MASK	"240" Mask for copying from PeIXFlg1 to Cnfp_StateFlags3
176	(B0)	X'B0'	0	CNFP_LEN	"*-CNFP"

ISGYCNFP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CNFP	0			90	
CNFP_CONTENTIONCHANGE	E	20	CNFP_RD_MASID	88	
CNFP_CONTENTIONEND	E	10	CNFP_RD_MTCB	8C	
CNFP_CONTENTIONSTART	E	40	CNFP_RD_NQXITSCOPE	8A	
CNFP_END	B0		CNFP_RD_NSI@	A0	
CNFP_ENDOFMEMORY	70	40	CNFP_RD_ORIGINALSCOPE	81	
CNFP_ENDOFTASK	70	80	CNFP_RD_REQUESTTOKEN	60	
CNFP_ENQTOKEN	40		CNFP_RD_RET	82	
CNFP_FILTER	C	80	CNFP_RD_RET1	82	4
CNFP_FLAGS	C		CNFP_RD_RET2	82	2
CNFP_ID	0		CNFP_RD_RET3	82	1
CNFP_INPUTFLAGS	E		CNFP_RD_SCOPE	80	
CNFP_INTERNALREQUEST	70	20	CNFP_RD_SYSNAME	80	
CNFP_KCURRENTVERSION	B0	2		98	
CNFP_KID	B0	D5C6D7	CNFP_RD_TCB@	7C	
CNFP_KRETCNG	B0	2	CNFP_RD_UCB@	84	
CNFP_KRETECB	B0	4	CNFP_REQUESTDATA	20	
CNFP_KRETHAVE	B0	1	CNFP_REQUESTDATAAVAILABLE	E	8
CNFP_KRETNONE	B0	0	CNFP_RLEN	18	
CNFP_KRETTEST	B0	7	CNFP_RNAME@	14	
CNFP_KRETUSE	B0	3	CNFP_RSCTOKEN	20	
CNFP_KSCOPESTEP	B0	0	CNFP_SF1_AUTHORIZED	A8	40
CNFP_KSCOPESYSTEM	B0	1	CNFP_SF1_ENQ	A8	80
CNFP_KSCOPESYSTEMS	B0	2	CNFP_SF1_ISGENQ	A8	4
CNFP_KSF3MASK	B0	F0	CNFP_SF1_ISGENQCONDYES	A8	2
CNFP_KVERSION#1	B0	1	CNFP_SF1_LINKAGE	A8	8
CNFP_KVERSION#2	B0	2	CNFP_SF1_MATCHTASK	A8	20
CNFP_LEN	B0	B0	CNFP_SF1_RESETMUSTCOMPLETE	A8	10
CNFP_OUTPUTFLAGS	C		CNFP_SF1_SMCORRMC	A8	10
CNFP_QNAME@	10		CNFP_SF1_STEPMUSTCOMPLETE	A8	10
CNFP_RD_AMODE31	A0	80	CNFP_SF2_CHANGE	A9	20
CNFP_RD_ASCB@	78		CNFP_SF2_CONTENTIONACT_FAIL	A9	8
CNFP_RD_ECB@	A4		CNFP_SF2_ECB	A9	4
CNFP_RD_JOBNAME			CNFP_SF2_RNLEQNO	A9	40
			CNFP_SF2_SHARE	A9	80
			CNFP_SF2_TEST_YES		

ISGYCNFP Cross Reference

Name	Hex Offset	Hex Value
	A9	10
CNFP_SF3_CONVERTED		
	AA	40
CNFP_SF3_EXCLUDED		
	AA	20
CNFP_SF3_GLOBAL		
	AA	10
CNFP_SF3_INCLUDED		
	AA	80
CNFP_STATEFLAGS		
	A8	
CNFP_STATEFLAGS1		
	A8	
CNFP_STATEFLAGS2		
	A9	
CNFP_STATEFLAGS3		
	AA	
CNFP_SYSTEM	E	80
CNFP_VERSION	4	
CNFP_WORKAREA@		
	8	
REQUESTFLAGS	70	

ISGYCON Information

ISGYCON Programming Interface information

Programming Interface information

ISGYCON

End of Programming Interface information

ISGYCON Heading Information • ISGYCON Map

ISGYCON Heading Information

Common Name: Constants for users of GRS services
Macro ID: ISGYCON
DSECT Name: N/A
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Size: 0 bytes
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: Provides a list of constants for users of GRS services and exits.

ISGYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	ENQ_KTESTRCRESOURCEISAVAILABLE	"0"
0	(0)	X'4'	0	ENQ_KTESTRCRESOURCEISNOTAVAILABLE	"4"
0	(0)	X'8'	0	ENQ_KTESTRCPREVIOUSREQALREADYOWNS	"8"
0	(0)	X'14'	0	ENQ_KTESTRCPREVIOUSREQDOESNOTOWN	"20"
0	(0)	X'20'	0	ENQ_KTESTRCMATCHINGTASKOWNS	"32"
Comment					
ENQ RET=USE Return Codes					
End of Comment					
0	(0)	X'0'	0	ENQ_KUSERCRESOURCEOWNED	"0"
0	(0)	X'4'	0	ENQ_KUSERCRESOURCENOTOWNED	"4"
0	(0)	X'8'	0	ENQ_KUSERCPREVIOUSREQALREADYOWNS	"8"
0	(0)	X'14'	0	ENQ_KUSERCPREVIOUSREQDOESNOTOWN	"20"
0	(0)	X'18'	0	ENQ_KUSERCENVIRONMENTALERROR	"24"
Comment					
ENQ RET=CHNG Return Codes					
End of Comment					
0	(0)	X'0'	0	ENQ_KCHNGRCRESOURCECHANGED	"0"
0	(0)	X'4'	0	ENQ_KCHNGRCRESOURCENOTCHANGED	"4"
0	(0)	X'8'	0	ENQ_KCHNGRCRESOURCENOTREQED	"8"
0	(0)	X'14'	0	ENQ_KCHNGRCRESOURCENOTOWNED	"20"
0	(0)	X'18'	0	ENQ_KCHNGRCENVIRONMENTALERROR	"24"
Comment					
ENQ RET=HAVE ReturnCodes					
End of Comment					
0	(0)	X'0'	0	ENQ_KHAVERCRESOURCEOWNED	"0"
0	(0)	X'8'	0	ENQ_KHAVERCPREVIOUSREQALREADYOWNS	"8"
0	(0)	X'14'	0	ENQ_KHAVERCPREVIOUSREQDOESNOTOWN	"20"
0	(0)	X'18'	0	ENQ_KHAVERCENVIRONMENTALERROR	"24"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'20'	0	ENQ_KHAVERCMATCHINGTASKOWNS	"24"
0	(0)	X'28'	0	ENQ_KHAVERCCALLERCANNOTUSE	"32"
0	(0)	X'44'	0	ENQ_KHAVERCMATCHINGTASKVIOLATION	"40"
					"68"
Comment					
ENQ RET=ECB ReturnCodes					
End of Comment					
0	(0)	X'0'	0	ENQ_KECBRCRESOURCEOWNED	"0"
0	(0)	X'4'	0	ENQ_KECBRCWILLBEPOSTED	"4"
0	(0)	X'8'	0	ENQ_KECBRCPREVIOUSREQALREADYOWNS	"8"
0	(0)	X'14'	0	ENQ_KECBRCPREVIOUSREQDOESNOTOWN	"20"
0	(0)	X'18'	0	ENQ_KECBRCENVIRONMENTALERROR	"24"
0	(0)	X'24'	0	ENQ_KECBRCWAITTOWNEXCLUSIVE	"36"
Comment					
DEQ ReturnCodes					
End of Comment					
0	(0)	X'0'	0	DEQ_KRCRESOURCERELEASED	"0"
0	(0)	X'4'	0	DEQ_KRCRESOURCEPREVIOUSREQDOESNOTOWN	"4"
0	(0)	X'8'	0	DEQ_KRCRESOURCENOTOWNED	"8"
Comment					
Reason Codes -- GRS ABEND Reason Codes (Note that the reason codes are of the form "xxxxYYYY" where "xxxx" is used to contain the module id of the failing module. Module ids can be found in ISGYMT or ISGFID) Also see ISGCONST for internal reason codes.					
End of Comment					
0	(0)	BITSTRING	0	ISGRSNCODEMASK	"X'0000FFFF" Used to mask off the high half word to remove the module id from the ABEND and reason codes
Comment					
3xx Abend Reason codes					
End of Comment					
		.... .1		ISGRSNCODEUNAATHNQDQOFAUTHRESOURCE	"X'00000001" An unauthorized requester attempted to ENQ or DEQ an authorized resource
		.... .1.		ISGRSNCODEUNAATHNQDQOFAUTHRESOURCEBYEXIT	"X'00000002" An ISGNQXIT installation exit specified an authorized resource name for an unauthorized request
		.... .11		ISGRSNCODEUCBNOTALLOCATED	"X'00000003" An unauthorized requester attempted to RESERVE a device that is not allocated to the requesting task
		.... .1..		ISGRSNCODEUCBNOTALLOCATEDBYEXIT	"X'00000004" An ISGNQXIT installation exit specified a UCB for a device that is not allocated to the requesting, unauthorized task
		.... .1.1		ISGRSNCODEUNAATHMASIDREQ	"X'00000005" An unauthorized requester attempted a MASID request
		.... .11.		ISGRSNCODEUNAATHREQWITHTCBORPELSTPMC	"X'00000006" An unauthorized requester specified TCB or Step Must Complete
		.... .111		ISGRSNCODEUNAATHGENERICREQUEST	

ISGYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		ISGRSNCODEUNAUTHECBREQUEST	"X'00000007" An unauthorized (DEQ) requester attempted to issue a generic request "X'00000008" An unauthorized (ENQ) requester attempted to issue an ECB request
Comment					
4xx Abend Reason codes					
End of Comment					
		.... ..1		ISGRSNCODEPARMLISTALTEREDWHILEPROCESSING	"X'00000001" The input parameter list was altered during ENQ/DEQ processing
		.... ..1.		ISGRSNCODERNLNOANDUCBSPECIFIED	"X'00000002" The RESERVE request specified RNL=NO
		.... ..11		ISGRSNCODEINVALIDUCB	"X'00000003" The storage specified by the input UCB address does not map to a valid UCB
		.... .1..		ISGRSNCODEINVALIDUCBBYEXIT	"X'00000004" The storage specified by the UCB address specified by an ISGNQXIT exit routine does not map to a valid UCB
		.... .1.1		ISGRSNCODEBADUSERPEL	"X'00000005" The storage passed to ENQ/DEQ processing could not be accessed in the caller's key
		.... .11.		ISGRSNCODEBADQNAME	"X'00000006" The storage containing the QNAME could not be accessed in the caller's key
		.... .111		ISGRSNCODEBADRNAME	"X'00000007" The storage containing the RNAME could not be accessed in the caller's key
		.... 1...		ISGRSNCODEBADUCBPTR	"X'00000008" The storage containing the pointer to the UCB address could not be accessed in the caller's key
		.... 1..1		ISGRSNCODEBADUCBADDRESS	"X'00000009" The storage containing the UCB address could not be accessed in the caller's key
		.... 1.1.		ISGRSNCODELOCALRESOURCECOUNTOVERRUN	"X'0000000A" The local resource count exceeded 'FFFF'x resources
		.... 1.11		ISGRSNCODEGLOBALRESOURCECOUNTOVERRUN	"X'0000000B" The global resource count exceeded 'FFFF'x resources
		.... 11..		ISGRSNCODEINVALIDFORMATWORD	"X'0000000C" The format word value was invalid
		.... 11.1		ISGRSNCODEBADTCBSTORAGE	"X'0000000D" The storage specified by the input TCB is invalid
		.... 111.		ISGRSNCODENOTATCB	"X'0000000E" The storage specified by the input TCB does not map to a valid TCB
		.... 1111		ISGRSNCODEMASIDREQSPECIFIEDTCBORPELSTPMC	"X'0000000F" A MASID request incorrectly specified TCB or PelStpMC
		...1		ISGRSNCODEINVALIDMASIDRNAMELENGTH	"X'00000010" A MASID request has an rname with a bad length
		...1 ...1		ISGRSNCODEMASIDREQINVALIDRET	"X'00000011" A MASID request specified invalid RET= value
		...1 ..1.		ISGRSNCODEMASIDREQWITHNOTCB	"X'00000012" A MASID request has no TCB associated with it
		...1 ..11		ISGRSNCODEMASIDREQSUBTASKOFTARGET	"X'00000013" Issuing tasks TCB is a subtask of the target TCB, illegal
		...1 .1..		ISGRSNCODEREQSETOBSOLETEFLAG	"X'00000014" Request tried to set an obsolete bit in the Pel
		...1 .1.1		ISGRSNCODETCBSPECIFIEDANDPELSTPMC	"X'00000015" Request illegally specified TCB with PelStpMC
		...1 .11.		ISGRSNCODEDEQREQSPECIFIEDPELSAVE	"X'00000016" Deq request illegally specified PelSave
		...1 .111		ISGRSNCODEINVALIDDRETSPECIFIED	"X'00000017" Request specified invalid RET= value
		...1 1...		ISGRSNCODEGENERICREQWITHINVALIDRET	"X'00000018" Generic request specified invalid RET= value
		...1 1..1		ISGRSNCODEENQREQSPECIFIEDGENERIC	"X'00000019" Enq request illegally specified PelGen2
		...1 1.1.		ISGRSNCODEDIRENQNONMATCHINGTCB	"X'0000001A" A directed enq request was issued with no matching TCB in the requestor's address space
		...1 1.11		ISGRSNCODEDIRENQANDUCBSPECIFIED	"X'0000001B" Directed enq request illegally specified UCB

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1 11..		ISGRSNCODEIRENQNOECBANDINVALIDRET	"X'0000001C" Directed enq request illegally specified no ECB with an invalid RET= value
		...1 11.1		ISGRSNCODEOECBREQWITHBADRET	"X'0000001D" This label has a typo but is kept for compatibility
		...1 11.1		ISGRSNCODEECBREQWITHBADRET	"X'0000001D" An ECB request but RET does not specify ECB
		...1 111.		ISGRSNCODEOECBREQWITHSTEMUSTCOMPLETE	"X'0000001E" This label has a typo but is kept for compatibility
		...1 111.		ISGRSNCODEECBREQWITHSTEMUSTCOMPLETE	"X'0000001E" An ECB request illegally specified PelStpMC
		...1 1111		ISGRSNCODEBADFORMATWORD	"X'0000001F" The storage containing the format word could not be accessed in the caller's key
		..1.		ISGRSNCODEBADFORMATVALUE	"X'00000020" The storage containing the format value could not be accessed in the caller's key
		..1. ...1		ISGRSNCODEPARMLISTALETNOTZERO	"X'00000021" ENQ/DEQ parameter list was not in the primary address space
		..1. ..1.		ISGRSNCODEBADPELPREFIX	"X'00000022" The storage containing the format value could not be accessed in the caller's key
		..1. ..11		ISGRSNCODESMCINXMEM	"X'00000023" SMC or RMC was specified while P=H.
		..1. ..1..		ISGRSNCODESRBMODE	"X'00000024" PC-ENQ or PC-DEQ was entered in SRB mode.
Comment					
7xx Abend Reason codes					
End of Comment					
		.... ....		ISGRSNCODEGENERALFAILURE	"X'00000000" General module failure in ENQ/DEQ processing
		.... ...1		ISGRSNCODEIOSVDSTFFFAILURE	"X'00000001" Synchronous RESERVE failed during device state transition flushing
		.... ..1.		ISGRSNCODERESERVESTARTFAILURE	"X'00000002" RESERVE start processing failed
		.... ..11		ISGRSNCODERESERVEDONEFAILURE	"X'00000003" Synchronous RESERVE done processing failed
		.... ..1..		ISGRSNCODECOULDNOTOBTAINHOMESTORAGE	"X'00000004" ENQ/DEQ processing could not obtain storage in the home address space
		.... ..1.1		ISGRSNCODECOULDNOTOBTAINCOMMONSTORAGE	"X'00000005" ENQ/DEQ processing could not obtain storage in the common area
		.... ..11.		ISGRSNCODECOULDNOTOBTAINPRIMARYALET	"X'00000006" ENQ/DEQ processing could not obtain the ALET of the caller's primary address space
		.... ..111		ISGRSNCODECOULDNOTSUSPENDFORRNLCCHANGE	"X'00000007" ENQ processing could not obtain a DSQE to suspend a request for a RNL change
		.... 1...		ISGRSNCODECOULDNOTOBTAINGRSALET	"X'00000008" ENQ/DEQ processing could not obtain the ALET of the GRS address space
		.... 1..1		ISGRSNCODECOULDNOTOBTAINPRIMARYSTORAGE	"X'00000009" ENQ/DEQ processing could not obtain storage in the primary address space
0	(0)	BITSTRING	0	ISGRSNCODECOULDNOTQUERYLSE	"X'00000100" ENQ/DEQ processing could not query the LSE of an ENQ requestor
0	(0)	BITSTRING	0	ISGRSNCODECOULDNOTUPDATELSE	"X'00000200" ENQ/DEQ processing could not update the LSE of an ENQ requestor
		1111 11.1		ISGRSNCODECSVDYNEXABEND	"X'000000FD" Abend in CSVDYNEX
		1111 111.		ISGRSNCODEEXITABEND	"X'000000FE" Abend in dynamic exit
		1111 1111		ISGRSNCODEUCBOVERFLOW	"X'000000FF" RESERVE processing detected an overflow when updating the RESERVE count

ISGYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
ISGQUERY Return and Reason Codes					
(Note that the reason codes are of the form "xxxxYYYY" where					
"xxxx" is used to contain the module id of the failing module.					
Module ids can be found in ISGYMT or ISGFID)					
Use ISGRsnCodeMask to remove the module id from the reason codes					
End of Comment					
		.... ....		ISGQUERYRC_OK	"X'00000000"
		.... .1..		ISGQUERYRC_WARN	"X'00000004"
0	(0)	BITSTRING	0	ISGQUERYRSN_NOMATCHINGRNLE	"X'00000401"
0	(0)	BITSTRING	0	ISGQUERYRSN_RNLCHANGEINPROGRESS	"X'00000402"
0	(0)	BITSTRING	0	ISGQUERYRSN_GRSRNLEXCLUDE	"X'00000403"
0	(0)	BITSTRING	0	ISGQUERYRSN_NOMATCHINGRESOURCES	"X'00000404"
0	(0)	BITSTRING	0	ISGQUERYRSN_ANSWERAREAFULL	"X'00000405"
0	(0)	BITSTRING	0	ISGQUERYRSN_GRSNONE	"X'00000406"
		.... 1...		ISGQUERYRC_PARMERROR	"X'00000008"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADPLISTADDRESS	"X'00000801"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADPLISTALET	"X'00000802"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADPLISTVERSION	"X'00000803"
0	(0)	BITSTRING	0	ISGQUERYRSN_RESERVEDFIELDNOTNULL	"X'00000804"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADREQINFO	"X'00000805"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNL	"X'00000806"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNAMEADDRESS	"X'00000807"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNAMEALET	"X'00000808"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNAMELEN	"X'00000809"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNLADDRESS	"X'0000080A"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNLAELET	"X'0000080B"
0	(0)	BITSTRING	0	ISGQUERYRSN_MUTUALLYEXCLUSIVE	"X'0000080C"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADANSAREAADDRESS	"X'0000080D"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADANSAREALET	"X'0000080E"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADSCANACTION	"X'0000080F"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRESUMETOKENADDRESS	"X'00000810"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRESUMETOKENALET	"X'00000811"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADGATHERFROM	"X'00000812"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADSEARCH	"X'00000813"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADENQTOKENADDRESS	"X'00000814"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADENQTOKENALET	"X'00000815"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADQNAMEMATCH	"X'00000816"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADRNAMEMATCH	"X'00000817"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	ISGQUERYRSN_BADSCOPE	"X'00000818"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADSERIALIZEBY	"X'00000819"
0	(0)	BITSTRING	0	ISGQUERYRSN_ANSLENTOSMALL	"X'0000081A"
0	(0)	BITSTRING	0	ISGQUERYRSN_RESUMETOKENNOTVALID	"X'0000081B"
0	(0)	BITSTRING	0	ISGQUERYRSN_RESUMETOKENTOOOLD	"X'0000081C"
0	(0)	BITSTRING	0	ISGQUERYRSN_ENQTOKENNOTVALID	"X'0000081D"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADREQUESTERLIMIT	"X'0000081E"
0	(0)	BITSTRING	0	ISGQUERYRSN_NOPOSSIBLEMATCH	"X'0000081F"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADANSDETAIL	"X'00000820"
0	(0)	BITSTRING	0	ISGQUERYRSN_NOTAUTHTOQSCAN	"X'00000821"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADASID	"X'00000822"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADUSERDATAADDRESS	"X'00000823"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADUSERDATAALET	"X'00000824"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADUSERDATALEN	"X'00000825"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADUSERDATAMATCH	"X'00000826"
0	(0)	BITSTRING	0	ISGQUERYRSN_BADANALYZE	"X'00000827"
0	(0)	BITSTRING	0	ISGQUERYRSN_NOTAUTHTOLATCHECA	"X'00000828"
		.... 11..		ISGQUERYRC_ENVERROR	"X'0000000C"
0	(0)	BITSTRING	0	ISGQUERYRSN_SRBMODE	"X'00000C01"
0	(0)	BITSTRING	0	ISGQUERYRSN_NOTENABLED	"X'00000C02"
0	(0)	BITSTRING	0	ISGQUERYRSN_COMPLEXMIGRATING	"X'00000C03"
0	(0)	BITSTRING	0	ISGQUERYRSN_CANNOTOBTAINLOCKS	"X'00000C04"
0	(0)	BITSTRING	0	ISGQUERYRSN_LOCKHELD	"X'00000C05"
0	(0)	BITSTRING	0	ISGQUERYRSN_MAXCONCURRENTREQUESTS	"X'00000C06"
0	(0)	BITSTRING	0	ISGQUERYRSN_RINGRESUMEINSTAR	"X'00000C07"
0	(0)	BITSTRING	0	ISGQUERYRSN_INSUFFICIENTSTORAGE	"X'00000C08"
0	(0)	BITSTRING	0	ISGQUERYRSN_FRRHELD	"X'00000C09"
		...1		ISGQUERYRC_COMPERROR	"X'00000010"

Comment

ISGENQ Return and Reason Codes

(Note that the reason codes are of the form "xxxxYYYY" where

"xxxx" is used to contain the module id of the failing module.

Module ids can be found in ISGYMT or ISGFID)

Use ISGRsnCodeMask to remove the module id from the reason codes

End of Comment

		.... ....		ISGENQRC_OK	"X'00000000"
		.... .1..		ISGENQRC_WARN	"X'00000004"
0	(0)	BITSTRING	0	ISGENQRSN_NONZERORETURNCODES	"X'00000401"
0	(0)	BITSTRING	0	ISGENQRSN_REQUESTNOTPROCESSED	"X'00000402"
0	(0)	BITSTRING	0	ISGENQRSN_ECBWILLBEPOSTED	

ISGYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	ISGENQRSN_NOTIMMEDIATELYAVAILABLE	"X'00000403"
0	(0)	BITSTRING	0	ISGENQRSN_TASKOWNSEXCLUSIVE	"X'00000404"
0	(0)	BITSTRING	0	ISGENQRSN_TASKOWNSSHARED	"X'00000405"
0	(0)	BITSTRING	0	ISGENQRSN_TASKWAITING	"X'00000406"
0	(0)	BITSTRING	0	ISGENQRSN_OTHERSHAREDOWNERS	"X'00000407"
0	(0)	BITSTRING	0	ISGENQRSN_TASKDOESNOTOWN	"X'00000409"
0	(0)	BITSTRING	0	ISGENQRSN_TASKSUSPENDEDFORRESOURCE	"X'0000040A"
0	(0)	BITSTRING	0	ISGENQRSN_UNPROTECTEDQNAME	"X'0000040B"
0	(0)	BITSTRING	0	ISGENQRSN_UNPROTECTEDEXITQNAME	"X'0000040D"
0	(0)	BITSTRING	0	ISGENQRSN_ECBATLEASTONEREQUESTFAILED	"X'0000040E"
		.... 1...		ISGENQRC_PARMERROR	"X'0000040F"
0	(0)	BITSTRING	0	ISGENQRSN_BADPLISTADDRESS	"X'00000008"
0	(0)	BITSTRING	0	ISGENQRSN_BADPLISTALET	"X'00000801"
0	(0)	BITSTRING	0	ISGENQRSN_BADPLISTVERSION	"X'00000802"
0	(0)	BITSTRING	0	ISGENQRSN_RESERVEDFIELDNOTNULL	"X'00000803"
0	(0)	BITSTRING	0	ISGENQRSN_MUTUALLYEXCLUSIVE	"X'00000804"
0	(0)	BITSTRING	0	ISGENQRSN_BADREQUEST	"X'00000805"
0	(0)	BITSTRING	0	ISGENQRSN_BADCONTENTIONACT	"X'00000806"
0	(0)	BITSTRING	0	ISGENQRSN_BADDOWNINGTTOKEN	"X'00000807"
0	(0)	BITSTRING	0	ISGENQRSN_BADANSAREAADDRESS	"X'00000808"
0	(0)	BITSTRING	0	ISGENQRSN_BADANSAREALET	"X'00000809"
0	(0)	BITSTRING	0	ISGENQRSN_ANSLENTOSMALL	"X'0000080A"
0	(0)	BITSTRING	0	ISGENQRSN_BADRNAMEADDRESS	"X'0000080B"
0	(0)	BITSTRING	0	ISGENQRSN_BADRNAMEALET	"X'0000080C"
0	(0)	BITSTRING	0	ISGENQRSN_BADRNAMELEN	"X'0000080D"
0	(0)	BITSTRING	0	ISGENQRSN_BADSCOPE	"X'0000080E"
0	(0)	BITSTRING	0	ISGENQRSN_BADUCB@	"X'0000080F"
0	(0)	BITSTRING	0	ISGENQRSN_BADCOND	"X'00000810"
0	(0)	BITSTRING	0	ISGENQRSN_BADSYNCHRES	"X'00000811"
0	(0)	BITSTRING	0	ISGENQRSN_BADENQTOKENADDRESS	"X'00000812"
0	(0)	BITSTRING	0	ISGENQRSN_BADENQTOKENALET	"X'00000813"
0	(0)	BITSTRING	0	ISGENQRSN_BADENQTOKEN	"X'00000814"
0	(0)	BITSTRING	0	ISGENQRSN_BADNUMRES	"X'00000815"
0	(0)	BITSTRING	0	ISGENQRSN_BADRESTABLEADDRESS	"X'00000816"
0	(0)	BITSTRING	0	ISGENQRSN_BADRESTABLEALET	"X'00000817"
0	(0)	BITSTRING	0	ISGENQRSN_BADRESTABLE	"X'00000818"
0	(0)	BITSTRING	0	ISGENQRSN_BADENQKENTBLADDRESS	"X'00000819"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	ISGENQRSN_BADENQTOKENBLALET	"X'0000081A"
0	(0)	BITSTRING	0	ISGENQRSN_BADRETURNTABLEADDRESS	"X'0000081B"
0	(0)	BITSTRING	0	ISGENQRSN_BADRETURNTABLEALET	"X'0000081C"
0	(0)	BITSTRING	0	ISGENQRSN_NOTAUTHORIZEDFORQNAME	"X'0000081D"
0	(0)	BITSTRING	0	ISGENQRSN_NOTAUTHORIZEDFOREXITQNAME	"X'0000081E"
0	(0)	BITSTRING	0	ISGENQRSN_NOTAUTHORIZEDFORECB	"X'0000081F"
0	(0)	BITSTRING	0	ISGENQRSN_NOTAUTHORIZEDFOROWNINGTTOKEN	"X'00000820"
0	(0)	BITSTRING	0	ISGENQRSN_BADUSERDATAADDRESS	"X'00000821"
0	(0)	BITSTRING	0	ISGENQRSN_BADUSERDATAALET	"X'00000822"
0	(0)	BITSTRING	0	ISGENQRSN_DEVICENOTALLOCATED	"X'00000823"
0	(0)	BITSTRING	0	ISGENQRSN_EXITDEVICENOTALLOCATED	"X'00000824"
0	(0)	BITSTRING	0	ISGENQRSN_BADCONTROL	"X'00000825"
0	(0)	BITSTRING	0	ISGENQRSN_BADEXITUCB@	"X'00000826"
0	(0)	BITSTRING	0	ISGENQRSN_NOTAUTHORIZEDFORENQMAX	"X'00000827"
		.... 11..		ISGENQRC_ENVERROR	"X'00000828"
0	(0)	BITSTRING	0	ISGENQRSN_REQUESTLIMITEXCEEDED	"X'0000000C"
0	(0)	BITSTRING	0	ISGENQRSN_ABENDINEXIT	"X'00000C01"
0	(0)	BITSTRING	0	ISGENQRSN_TASKENDING	"X'00000C05"
0	(0)	BITSTRING	0	ISGENQRSN_FRRHELD	"X'00000C0A"
0	(0)	BITSTRING	0	ISGENQRSN_LOCKHELD	"X'00000C0B"
0	(0)	BITSTRING	0	ISGENQRSN_SRBMODE	"X'00000C0C"
0	(0)	BITSTRING	0	ISGENQRSN_NOTENABLED	"X'00000C0D"
0	(0)	BITSTRING	0	ISGENQRSN_MASIDTARGET	"X'00000C0E"
0	(0)	BITSTRING	0	ISGENQRSN_UNSUPPORTEDMODE	"X'00000C0F"
0	(0)	BITSTRING	0	ISGENQRSN_MASIDNOTSUPPORTED	"X'00000C10"
		...1		ISGENQRC_COMPERROR	"X'00000C11"
0	(0)	BITSTRING	0	ISGENQRSN_CANNOTOBTAINHOMESTORAGE	"X'00000010"
0	(0)	BITSTRING	0	ISGENQRSN_CANNOTOBTAINCOMMONSTORAGE	"X'00001002"
0	(0)	BITSTRING	0	ISGENQRSN_CANNOTOBTAINPRIMARYALET	"X'00001003"
0	(0)	BITSTRING	0	ISGENQRSN_SYNCHRESFLUSHFAILED	"X'00001004"
0	(0)	BITSTRING	0	ISGENQRSN_RESERVESTARTFAILED	"X'00001006"
0	(0)	BITSTRING	0	ISGENQRSN_RESERVECOUNTOVERFLOW	"X'00001007"
0	(0)	BITSTRING	0	ISGENQRSN_CANNOTOBTAINDSQE	"X'00001008"
0	(0)	BITSTRING	0	ISGENQRSN_RESERVEDONEFAILED	"X'00001009"
0	(0)	BITSTRING	0	ISGENQRSN_CANNOTOBTAINPRIMARYSTORAGE	"X'0000100A"
0	(0)	BITSTRING	0		"X'0000100B"

ISGYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
ISGADMIN Return and Reason Codes					
(Note that the reason codes are of the form "xxxxYYYY" where					
"xxxx" is used to contain the module id of the failing module.					
Module ids can be found in ISGYMT or ISGFID)					
Use ISGRsnCodeMask to remove the module id from the reason codes					
End of Comment					
		.... ....		ISGADMINRC_OK	"X'00000000"
		.... .1..		ISGADMINRC_WARN	"X'00000004"
0	(0)	BITSTRING	0	ISGADMINRSN_ENQMAXVALUELOW	"X'00000401"
0	(0)	BITSTRING	0	ISGADMINRSN_RESETEENQMAXIGNORED	"X'00000402"
		.... 1...		ISGADMINRC_PARMERROR	"X'00000008"
0	(0)	BITSTRING	0	ISGADMINRSN_BADPLISTADDRESS	"X'00000801"
0	(0)	BITSTRING	0	ISGADMINRSN_BADPLISTALET	"X'00000802"
0	(0)	BITSTRING	0	ISGADMINRSN_BADPLISTVERSION	"X'00000803"
0	(0)	BITSTRING	0	ISGADMINRSN_RESERVEDFIELDNOTNULL	"X'00000804"
0	(0)	BITSTRING	0	ISGADMINRSN_BADREQUEST	"X'00000805"
0	(0)	BITSTRING	0	ISGADMINRSN_ENQMAXVALUETOLOW	"X'00000806"
0	(0)	BITSTRING	0	ISGADMINRSN_BADMOVINGWAITERADDRESS	"X'00000807"
0	(0)	BITSTRING	0	ISGADMINRSN_BADMOVINGWAITERALET	"X'00000808"
0	(0)	BITSTRING	0	ISGADMINRSN_BADMOVINGWAITER	"X'00000809"
0	(0)	BITSTRING	0	ISGADMINRSN_BADBEFOREREQUESTERADDRESS	"X'0000080A"
0	(0)	BITSTRING	0	ISGADMINRSN_BADBEFOREREQUESTERALET	"X'0000080B"
0	(0)	BITSTRING	0	ISGADMINRSN_BADBEFOREREQUESTER	"X'0000080C"
0	(0)	BITSTRING	0	ISGADMINRSN_SAMEREQUESTER	"X'0000080D"
0	(0)	BITSTRING	0	ISGADMINRSN_INCONSISTENTRESOURCE	"X'0000080E"
0	(0)	BITSTRING	0	ISGADMINRSN_BADSCOPE	"X'0000080F"
0	(0)	BITSTRING	0	ISGADMINRSN_BADCONTROL	"X'00000810"
0	(0)	BITSTRING	0	ISGADMINRSN_CANNOTMOVEOWNER	"X'00000811"
0	(0)	BITSTRING	0	ISGADMINRSN_ALREADYBEFOREREQUESTER	"X'00000812"
0	(0)	BITSTRING	0	ISGADMINRSN_CANNOTMOVEBEFOREOWNER	"X'00000813"
0	(0)	BITSTRING	0	ISGADMINRSN_CANNOTMOVEAFTERSHAREDOWNER	"X'00000814"
0	(0)	BITSTRING	0	ISGADMINRSN_CANNOTMAKEANOTHEROWNER	"X'00000815"
0	(0)	BITSTRING	0	ISGADMINRSN_ALREADYLASTREQUESTER	"X'00000816"
0	(0)	BITSTRING	0	ISGADMINRSN_CANNOTMOVEMASIDUSER	"X'00000817"
0	(0)	BITSTRING	0	ISGADMINRSN_MASIDCONTROLCONFLICT	"X'00000818"
		.... 11..		ISGADMINRC_ENVERROR	"X'0000000C"
0	(0)	BITSTRING	0	ISGADMINRSN_NOTAUTHORIZED	"X'00000C01"
0	(0)	BITSTRING	0	ISGADMINRSN_FRRHELD	"X'00000C02"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	0	ISGADMINRSN_LOCKHELD	"X'00000C03"
0	(0)	BITSTRING	0	ISGADMINRSN_SRBMODE	"X'00000C04"
0	(0)	BITSTRING	0	ISGADMINRSN_NOTENABLED	"X'00000C05"
0	(0)	BITSTRING	0	ISGADMINRSN_QUEUEDAMAGE1	"X'00000C06"
0	(0)	BITSTRING	0	ISGADMINRSN_QUEUEDAMAGE2	"X'00000C07"
		...1		ISGADMINRC_COMPERROR	"X'00000010"

Comment

Declares for ENQMAXx values in GRSCNFxx, SETGRS, and ISGADMIN:
 These are smallest possible maximums for authorized and
 unauthorized requesters, to help prevent the installation
 from inadvertently causing excessive ABEND538s.

End of Comment

0	(0)	X'3D090'	0	ENQMAXA_SMALLESTMAXIMUM	"250000"
0	(0)	X'4000'	0	ENQMAXU_SMALLESTMAXIMUM	"16384"

ISGYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DEQ_KRCRESOURCENOTOWNED	0	8	ENQ_KTESTRCPREVIOUSREQALREADYOWNS	0	20
DEQ_KRCRESOURCEPREVIOUSREQDOESNOTOWN	0	4	ENQ_KTESTRCPREVIOUSREQDOESNOTOWN	0	8
DEQ_KRCRESOURCERELEASED	0	0	ENQ_KTESTRCRESOURCEISAVAILABLE	0	14
ENQ_KCHNGRCENVIRONMENTALERROR	0	18	ENQ_KTESTRCRESOURCEISNOTAVAILABLE	0	4
ENQ_KCHNGRCRESOURCECHANGED	0	0	ENQ_KUSERCENVIRONMENTALERROR	0	18
ENQ_KCHNGRCRESOURCENOTCHANGED	0	4	ENQ_KUSERCPREVIOUSREQALREADYOWNS	0	8
ENQ_KCHNGRCRESOURCENOTOWNED	0	14	ENQ_KUSERCPREVIOUSREQDOESNOTOWN	0	14
ENQ_KCHNGRCRESOURCENOTREQED	0	8	ENQ_KUSERCRESOURCENOTOWNED	0	4
ENQ_KECBRCENVIRONMENTALERROR	0	18	ENQ_KUSERCRESOURCEOWNED	0	0
ENQ_KECBRCPREVIOUSREQALREADYOWNS	0	8	ENQMAXA_SMALLESTMAXIMUM	0	3D090
ENQ_KECBRCPREVIOUSREQDOESNOTOWN	0	14	ENQMAXU_SMALLESTMAXIMUM	0	4000
ENQ_KECBRCRESOURCEOWNED	0	0	ISGADMINRC_COMPERROR	0	10
ENQ_KECBRCWAITTOOWNEXCLUSIVE	0	24	ISGADMINRC_ENVERROR	0	C
ENQ_KECBRCWILLBEPOSTED	0	4	ISGADMINRC_OK	0	0
ENQ_KHAVERCCALLERCANNOTUSE	0	28	ISGADMINRC_PARMERROR	0	8
ENQ_KHAVERCENVIRONMENTALERROR	0	18	ISGADMINRC_WARN	0	4
ENQ_KHAVERCMATCHINGTASKOWNS	0	20	ISGADMINRSN_ALREADYBEFOREREQUESTER	0	812
ENQ_KHAVERCMATCHINGTASKVIOLATION	0	44	ISGADMINRSN_ALREADYLASTREQUESTER	0	816
ENQ_KHAVERCPREVIOUSREQALREADYOWNS	0	8	ISGADMINRSN_BADBEFOREREQUESTER	0	80C
ENQ_KHAVERCPREVIOUSREQDOESNOTOWN	0	14	ISGADMINRSN_BADBEFOREREQUESTERADDRESS	0	80A
ENQ_KHAVERCRESOURCEOWNED	0	0	ISGADMINRSN_BADBEFOREREQUESTERALET	0	80B
ENQ_KTESTRCMATCHINGTASKOWNS					

ISGYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGADMINRSN_BADCONTROL	0	810	ISGENQRSN_BADCONTENTIONACT	0	811
ISGADMINRSN_BADMOVINGWAITER	0	809	ISGENQRSN_BADCONTROL	0	826
ISGADMINRSN_BADMOVINGWAITERADDRESS	0	807	ISGENQRSN_BADENQTOKEN	0	815
ISGADMINRSN_BADMOVINGWAITERALET	0	808	ISGENQRSN_BADENQTOKENADDRESS	0	813
ISGADMINRSN_BADPLISTADDRESS	0	801	ISGENQRSN_BADENQTOKENALET	0	814
ISGADMINRSN_BADPLISTALET	0	802	ISGENQRSN_BADENQTOKENBLADDRESS	0	81A
ISGADMINRSN_BADPLISTVERSION	0	803	ISGENQRSN_BADENQTOKENTBLALET	0	81B
ISGADMINRSN_BADREQUEST	0	805	ISGENQRSN_BADEXITUCB@	0	827
ISGADMINRSN_BADSCOPE	0	80F	ISGENQRSN_BADNUMRES	0	816
ISGADMINRSN_CANNOTMAKEANOTHEROWNER	0	815	ISGENQRSN_BADOWNINGTTOKEN	0	808
ISGADMINRSN_CANNOTMOVEAFTERSHAREOWNER	0	814	ISGENQRSN_BADPLISTADDRESS	0	801
ISGADMINRSN_CANNOTMOVEBEFOREOWNER	0	813	ISGENQRSN_BADPLISTALET	0	802
ISGADMINRSN_CANNOTMOVEMASIDUSER	0	817	ISGENQRSN_BADPLISTVERSION	0	803
ISGADMINRSN_CANNOTMOVEOWNER	0	811	ISGENQRSN_BADREQUEST	0	806
ISGADMINRSN_ENQMAXVALUELOW	0	401	ISGENQRSN_BADRESTABLE	0	819
ISGADMINRSN_ENQMAXVALUETOLOW	0	806	ISGENQRSN_BADRESTABLEADDRESS	0	817
ISGADMINRSN_FRRHELD	0	C02	ISGENQRSN_BADRESTABLEALET	0	818
ISGADMINRSN_INCONSISTENTRESOURCE	0	80E	ISGENQRSN_BADRETURNTABLEADDRESS	0	81C
ISGADMINRSN_LOCKHELD	0	C03	ISGENQRSN_BADRETURNTABLEALET	0	81D
ISGADMINRSN_MASIDCONTROLCONFLICT	0	818	ISGENQRSN_BADRNAMEADDRESS	0	80C
ISGADMINRSN_NOTAUTHORIZED	0	C01	ISGENQRSN_BADRNAMEALET	0	80D
ISGADMINRSN_NOTENABLED	0	C05	ISGENQRSN_BADRNAMELEN	0	80E
ISGADMINRSN_QUEUEEDAMAGE1	0	C06	ISGENQRSN_BADSCOPE	0	80F
ISGADMINRSN_QUEUEEDAMAGE2	0	C07	ISGENQRSN_BADSYNCHRES	0	812
ISGADMINRSN_RESERVEDFIELDNOTNULL	0	804	ISGENQRSN_BADUCB@	0	810
ISGADMINRSN_RESETEENQMAXIGNORED	0	402	ISGENQRSN_BADUSERDATAADDRESS	0	822
ISGADMINRSN_SAMEREQUESTER	0	80D	ISGENQRSN_BADUSERDATAALET	0	823
ISGADMINRSN_SRBMODE	0	C04	ISGENQRSN_CANNOTOBTAINCOMMONSTORAGE	0	1003
ISGENQRC_COMPERROR	0	10	ISGENQRSN_CANNOTOBTAINDSQE	0	1009
ISGENQRC_ENVERROR	0	C	ISGENQRSN_CANNOTOBTAINHOMESTORAGE	0	1002
ISGENQRC_OK	0	0	ISGENQRSN_CANNOTOBTAINPRIMARYALET	0	1004
ISGENQRC_PARMERROR	0	8	ISGENQRSN_CANNOTOBTAINPRIMARYSTORAGE	0	100B
ISGENQRC_WARN	0	4	ISGENQRSN_DEVICENOTALLOCATED	0	824
ISGENQRSN_ABENDINEXIT	0	C05	ISGENQRSN_ECBATLEASTONEREQUESTFAILED	0	40F
ISGENQRSN_ANSLENTOOMALL	0	80B	ISGENQRSN_ECBWILLBEPOSTED	0	403
ISGENQRSN_BADANSAREAADDRESS	0	809	ISGENQRSN_EXITDEVICENOTALLOCATED	0	825
ISGENQRSN_BADANSAREALET	0	80A	ISGENQRSN_FRRHELD		
ISGENQRSN_BADCOND					

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGENQRSN_LOCKHELD	0	C0B	ISGQUERYRSN_BADANALYZE	0	405
ISGENQRSN_MASIDNOTSUPPORTED	0	C0C	ISGQUERYRSN_BADANSAREAADDRESS	0	827
ISGENQRSN_MASIDTARGET	0	C11	ISGQUERYRSN_BADANSAREALET	0	80D
ISGENQRSN_MUTUALLYEXCLUSIVE	0	C0F	ISGQUERYRSN_BADANSDETAIL	0	80E
ISGENQRSN_NONZERORETURNCODES	0	805	ISGQUERYRSN_BADASID	0	820
ISGENQRSN_NOTAUTHORIZEDFORECB	0	401	ISGQUERYRSN_BADAQTOKENADDRESS	0	822
ISGENQRSN_NOTAUTHORIZEDFORENQMAX	0	820	ISGQUERYRSN_BADAQTOKENALET	0	814
ISGENQRSN_NOTAUTHORIZEDFOREXITQNAME	0	828	ISGQUERYRSN_BADGATHERFROM	0	815
ISGENQRSN_NOTAUTHORIZEDFOROWNINGTTOKEN	0	81F	ISGQUERYRSN_BADPLISTADDRESS	0	812
ISGENQRSN_NOTAUTHORIZEDFORQNAME	0	821	ISGQUERYRSN_BADPLISTALET	0	801
ISGENQRSN_NOTENABLED	0	81E	ISGQUERYRSN_BADPLISTVERSION	0	802
ISGENQRSN_NOTIMMEDIATELYAVAILABLE	0	C0E	ISGQUERYRSN_BADQNAMEMATCH	0	803
ISGENQRSN_OTHERSHAREDOWNERS	0	404	ISGQUERYRSN_BADREQINFO	0	816
ISGENQRSN_REQUESTLIMITEXCEEDED	0	409	ISGQUERYRSN_BADREQUESTERLIMIT	0	805
ISGENQRSN_REQUESTNOTPROCESSED	0	C01	ISGQUERYRSN_BADRESUMETOKENADDRESS	0	81E
ISGENQRSN_RESERVECOUNTOVERFLOW	0	402	ISGQUERYRSN_BADRESUMETOKENALET	0	810
ISGENQRSN_RESERVEDFIELDNOTNULL	0	1008	ISGQUERYRSN_BADRNAMEADDRESS	0	811
ISGENQRSN_RESERVEDONEFAILED	0	804	ISGQUERYRSN_BADRNAMEALET	0	807
ISGENQRSN_RESERVESTARTFAILED	0	100A	ISGQUERYRSN_BADRNAMELEN	0	808
ISGENQRSN_SRBMODE	0	1007	ISGQUERYRSN_BADRNAMEMATCH	0	809
ISGENQRSN_SYNCHRESFLUSHFAILED	0	C0D	ISGQUERYRSN_BADRNL	0	817
ISGENQRSN_TASKDOESNOTOWN	0	1006	ISGQUERYRSN_BADRNLADDRESS	0	806
ISGENQRSN_TASKENDING	0	40A	ISGQUERYRSN_BADRNLLEALET	0	80A
ISGENQRSN_TASKOWNSEXCLUSIVE	0	C0A	ISGQUERYRSN_BADSCANACTION	0	80B
ISGENQRSN_TASKOWNSSHARED	0	405	ISGQUERYRSN_BADSCOPE	0	80F
ISGENQRSN_TASKSUSPENDEDFORRESOURCE	0	406	ISGQUERYRSN_BADSEARCH	0	818
ISGENQRSN_TASKWAITING	0	40B	ISGQUERYRSN_BADSERIALIZEBY	0	813
ISGENQRSN_UNPROTECTEDEXITQNAME	0	407	ISGQUERYRSN_BADUSERDATAADDRESS	0	819
ISGENQRSN_UNPROTECTEDQNAME	0	40E	ISGQUERYRSN_BADUSERDATAALET	0	823
ISGENQRSN_UNSUPPORTEDMODE	0	40D	ISGQUERYRSN_BADUSERDATALEN	0	824
ISGQUERYRC_COMPERROR	0	C10	ISGQUERYRSN_BADUSERDATAMATCH	0	825
ISGQUERYRC_ENVERROR	0	10	ISGQUERYRSN_CANNOTOBTAINLOCKS	0	826
ISGQUERYRC_OK	0	C	ISGQUERYRSN_COMPLEXMIGRATING	0	C04
ISGQUERYRC_PARMERROR	0	0	ISGQUERYRSN_ENQTOKENNOTVALID	0	C03
ISGQUERYRC_WARN	0	8	ISGQUERYRSN_FRRHELD	0	81D
ISGQUERYRSN_ANSLENTOSMALL	0	4	ISGQUERYRSN_GRSNONE	0	C09
ISGQUERYRSN_ANSWERAREAFULL	0	81A	ISGQUERYRSN_GRSNLEXCLUDE	0	406

ISGYCON Cross Reference

Name	Hex Offset	Hex Value
ISGQUERYRSN_INSUFFICIENTSTORAGE	0	403
ISGQUERYRSN_LOCKHELD	0	C08
ISGQUERYRSN_MAXCONCURRENTREQUESTS	0	C05
ISGQUERYRSN_MUTUALLYEXCLUSIVE	0	C06
ISGQUERYRSN_NOMATCHINGRESOURCES	0	80C
ISGQUERYRSN_NOMATCHINGRNLE	0	404
ISGQUERYRSN_NOPOSSIBLEMATCH	0	401
ISGQUERYRSN_NOTAUTHTOLATCHECA	0	81F
ISGQUERYRSN_NOTAUTHTOQSCAN	0	828
ISGQUERYRSN_NOTENABLED	0	821
ISGQUERYRSN_RESERVEDFIELDNOTNULL	0	C02
ISGQUERYRSN_RESUMETOKENNOTVALID	0	804
ISGQUERYRSN_RESUMETOKENOOOLD	0	81B
ISGQUERYRSN_RINGRESUMEINSTAR	0	81C
ISGQUERYRSN_RNLCHANGEINPROGRESS	0	C07
ISGQUERYRSN_SRBMODE	0	402
ISGRSNCODEBADFORMATVALUE	0	C01
ISGRSNCODEBADFORMATWORD	0	20
ISGRSNCODEBADPELPPREFIX	0	1F
ISGRSNCODEBADQNAME	0	22
ISGRSNCODEBADRNAME	0	6
ISGRSNCODEBADTCBSTOREAGE	0	7
ISGRSNCODEBADUCBADDRESS	0	D
ISGRSNCODEBADUCBPTR	0	9
ISGRSNCODEBADUSERPEL	0	8
ISGRSNCODECOULDNOTOBTAINCOMMONSTORAGE	0	5
ISGRSNCODECOULDNOTOBTAINGRSALET	0	5
ISGRSNCODECOULDNOTOBTAINHOMESTORAGE	0	8
ISGRSNCODECOULDNOTOBTAINPRIMARYALET	0	4
ISGRSNCODECOULDNOTOBTAINPRIMARYSTORAGE	0	6
ISGRSNCODECOULDNOTQUERYLSE	0	9
ISGRSNCODECOULDNOTSUSPENDFORRNLCHANGE	0	100
ISGRSNCODECOULDNOTUPDATELSE	0	7
ISGRSNCODECSVDYNEXABEND	0	200
ISGRSNCODEDEQREQSPECIFIEDPELSAVE	0	FD
ISGRSNCODEDIRENQANDUCBSPECIFIED	0	16
ISGRSNCODEDIRENQNOECBANDINVALIDRET	0	1B

Name	Hex Offset	Hex Value
ISGRSNCODEDIRENQNOMATCHINGTCB	0	1C
ISGRSNCODEEECBREQWITHBADRET	0	1A
ISGRSNCODEEECBREQWITHSTEPMUSTCOMPLETE	0	1D
ISGRSNCODEENQREQSPECIFIEDGENERIC	0	1E
ISGRSNCODEEEXITABEND	0	19
ISGRSNCODEGENERALFAILURE	0	FE
ISGRSNCODEGENERICREQWITHINVALIDRET	0	0
ISGRSNCODEGLOBALRESOURCECOUNTOVERRUN	0	18
ISGRSNCODEINVALIDFORMATWORD	0	B
ISGRSNCODEINVALIDMASIDRNAMELENGTH	0	C
ISGRSNCODEINVALIDDRETSPECIFIED	0	10
ISGRSNCODEINVALIDUCB	0	17
ISGRSNCODEINVALIDUCBBYEXIT	0	3
ISGRSNCODEIOSVDSTFFFAILURE	0	4
ISGRSNCODELOCALRESOURCECOUNTOVERRUN	0	1
ISGRSNCODEMASIDREQINVALIDRET	0	A
ISGRSNCODEMASIDREQSPECIFIEDTCBORPELSTPMC	0	11
ISGRSNCODEMASIDREQSUBTASKOFTARGET	0	F
ISGRSNCODEMASIDREQWITHNOTCB	0	13
ISGRSNCODEMASK	0	12
ISGRSNCODENOTATCB	0	FFFF
ISGRSNCODEOECBREQWITHBADRET	0	E
ISGRSNCODEOECBREQWITHSTEPMUSTCOMPLETE	0	1D
ISGRSNCODEPARMLISTALETNOTZERO	0	1E
ISGRSNCODEPARMLISTALTEREDWHILEPROCESSING	0	21
ISGRSNCODEREQSETOBSOLETEFLAG	0	1
ISGRSNCODERESERVEDONEFAILURE	0	14
ISGRSNCODERESERVESTARTFAILURE	0	3
ISGRSNCODERNLNOANDUCBSPECIFIED	0	2
ISGRSNCODEESMCINXMEM	0	2
ISGRSNCODEESRBMODE	0	23
ISGRSNCODEETCBSPECIFIEDANDPELSTPMC	0	24
ISGRSNCODEUCBNOTALLOCATED	0	15
ISGRSNCODEUCBNOTALLOCATEDBYEXIT	0	3
ISGRSNCODEUCBOVERFLOW	0	4
ISGRSNCODEUNAUTHCEBREQUEST	0	FF
ISGRSNCODEUNAUTHGENERICREQUEST	0	8

Name	Hex Offset	Hex Value
ISGRSNCODEUNAauthMASIDREQ	0	7
ISGRSNCODEUNAauthNQDQOFAUTHRESOURCE	0	5
ISGRSNCODEUNAauthNQDQOFAUTHRESOURCEBYEXIT	0	1
ISGRSNCODEUNAauthREQWITHTCBORPELSTPMC	0	2
	0	6

ISGYDSPX Information

ISGYDSPX Programming Interface information

Programming Interface information

ISGYDSPX

End of Programming Interface information

ISGYDSPX Heading Information • ISGYDSPX Map

ISGYDSPX Heading Information

Common Name: Display GRS Resource Exit Parameter List
Macro ID: ISGYDSPX
DSECT Name: DSPX
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: DSPX
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229 in the address space where ISGCDSP runs
 Key: 0
 Residency: Above 16M line
Size: DSPX -- 'X'0070' bytes
Created by: ISGCDSP
Pointed to by: R1 points to the DSPX on entry to the exit routine
Serialization: N/A
Function: The DSPX parameter list describes a resource which is going to be reported in a DISPLAY GRS command. An exit routine can add information regarding the meaning of the resource. When setting DspX_ResourceInformation, the exit routine should identify the application/subsystem providing the information by setting the DspX_ResourceIdentifier value.

ISGYDSPX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSPX	
0	(0)	CHARACTER	4	DSPX_ID	Eyecatcher
4	(4)	BITSTRING	1	DSPX_VERSION	DspX version
5	(5)	CHARACTER	2		Reserved
7	(7)	BITSTRING	1	DSPX_RFLGS (0)	Resource description flags
		1... ..		DSPX_SYS	"X'80" SCOPE=SYSTEM
		.1... ..		DSPX_SYSS	"X'40" SCOPE=SYSTEMS
8	(8)	CHARACTER	8	DSPX_QNAME	Resource QName
16	(10)	SIGNED	2	DSPX_RNAMEL	RName length
18	(12)	CHARACTER	2		Reserved
20	(14)	ADDRESS	4	DSPX_RNAME@	Pointer to RName
24	(18)	CHARACTER	16	DSPX_RESOURCEIDENTIFIER	Identification of application/subsystem setting the resource information
40	(28)	CHARACTER	70	DSPX_RESOURCEINFORMATION	Additional information to describe resource
110	(6E)	CHARACTER	2		Reserved
112	(70)	CHARACTER	1	DSPX_END (0)	
Comment					
DSPX Constants					
End of Comment					
112	(70)	X'E2D7E7'	0	DSPX_KID	"C'DSPX" Used to identify control block
112	(70)	X'1'	0	DSPX_KVERSION#1	"1" Version constant - HBB7705
112	(70)	X'1'	0	DSPX_KCURRENTVERSION	"1" Current version
112	(70)	X'170'	0	DSPX_KLENGTH	"368" Maximum of length DspX parameter list
112	(70)	X'70'	0	DSPX_LEN	"*-DSPX"

ISGYDSPX Cross Reference

Name	Hex Offset	Hex Value
DSPX	0	
DSPX_END	70	
DSPX_ID	0	
DSPX_KCURRENTVERSION	70	1
DSPX_KID	70	E2D7E7
DSPX_KLENGTH	70	170
DSPX_KVERSION#1	70	1
DSPX_LEN	70	70
DSPX_QNAME	8	
DSPX_RESOURCEIDENTIFIER	18	
DSPX_RESOURCEINFORMATION	28	
DSPX_RFLGS	7	
DSPX_RNAME@	14	
DSPX_RNAMEL	10	
DSPX_SYS	7	80
DSPX_SYSS	7	40
DSPX_VERSION	4	

ISGYELF Information

ISGYELF Programming Interface information

Programming Interface information

ISGYELF

End of Programming Interface information

ISGYELF Heading Information • ISGYELF Map

ISGYELF Heading Information

Common Name: ENF Listener Filter for ENF 51
Macro ID: ISGYELF
DSECT Name: ISGYELF
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: ISGYELF
 Offset: 0
 Length: 8
Storage Attributes: Subpool: Determined by ENFREQ ACTION=LISTEN invoker or not applicable (copied above the bar)
 Key: Determined by ENFREQ ACTION=LISTEN invoker or 0
 Residency: Determined by ENFREQ ACTION=LISTEN invoker or above the bar in the GRS GRQA
Size: LENGTH(ISGYELF)
 ISGYELF -- X'0128' bytes
Created by: ENFREQ invoker and ISGGELF
Pointed to by: ENFREQ parameter list
Serialization: N/A
Function: Provides additional filtering options for registered ENF 51 listeners.

ISGYELF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYELF	
0	(0)	CHARACTER	16	ISGYELF_HEADER (0)	
0	(0)	CHARACTER	8	ISGYELF_ID	+00x----- Control Block ID
8	(8)	SIGNED	4	ISGYELF_LENGTH	Control Block length
12	(C)	BITSTRING	1	ISGYELF_VERSION	Control Block version
13	(D)	CHARACTER	3	ISGYELF_RSVD	Reserved +10x-----
16	(10)	SIGNED	4	ISGYELF_REASONCODE	Event 51 specific reason code. This is valid when the ENFREQ return code is 68x.
20	(14)	CHARACTER	8	ISGYELF_OWNINGSYSNAME	Owning system name filter. At least one owner of the resource must be from the specified system. Note that in the case of many shared owners where the ENF 51 signal does not have all requester information, this filter is ignored. Binary zeroes denote that this filter is unused.
28	(1C)	SIGNED	2	ISGYELF_OWNINGASID	Owning asid filter. Only applicable when ISGYELF_OwningSysname is used. See ISGYELF_Owning Sysname for notes on multiple shared owners.
30	(1E)	CHARACTER	2	ISGYELF_FLAGS (0)	
		1...		ISGYELF_QNAMEPATTERN	"X'80" Only valid when ISGYELF_QName is non-zero. When On, the Elf51QName filter is a pattern. When Off, the ISGYELF_QName is specific.
		.1..		ISGYELF_RNAMEPATTERN	"X'40" Only valid when ISGYELF_RName is non-zero. When On, the ElfR1RName filter is a pattern. When Off, the ISGYELF_RName is specific.
32	(20)	CHARACTER	8	ISGYELF_QNAME	+20x----- Qname filter. See ISGYELF_QNamePattern. Binary zeroes denote that this filter is unused.
40	(28)	CHARACTER	255	ISGYELF_RNAME	Rname filter. See ISGYELF_RNamePattern. Binary zeroes denote that this filter is unused.
295	(127)	BITSTRING	1	ISGYELF_RNAMELEN	Rname length filter. This is not applicable when ISGYELF_Rname is binary zeroes. Otherwise it is required. +128x-----
296	(128)	CHARACTER	1	ISGYELF_END (0)	-----

Comment

Constants

End of Comment

296	(128)	X'E2C7E8'	0	ISGYELF_KID_0TO3	
296	(128)	X'D3C640'	0	ISGYELF_KID_4TO7	"C'ISGY" This is the first 4-byte segment of an 8-byte constant. Eye-catcher

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
296	(128)	X'128'	0	ISGYELF_KLENGTH	"C'ELF " This is the second 4-byte segment of an 8-byte constant. Eye-catcher
296	(128)	X'1'	0	ISGYELF_KVERSION#1	"296"
296	(128)	X'1'	0	ISGYELF_KMAXVERSION	"1" Version 1 - Initial version
296	(128)	X'6801'	0	ISGYELF_KRSNBADID	"1"
296	(128)	X'6802'	0	ISGYELF_KRSNBADLENGTH	"26625" Bad control block Id
296	(128)	X'6803'	0	ISGYELF_KRSNBADVERSION	"26626" Bad length
296	(128)	X'6804'	0	ISGYELF_KRSNRESERVEDNONZERO	"26627" Bad version
296	(128)	X'6805'	0	ISGYELF_KRSNMISSINGSYSNAME	"26628" One or more reserved fields non-zero
296	(128)	X'6806'	0	ISGYELF_KRSNMISSINGQNAME	"26629" Asid specified but sysname is binary zeroes
296	(128)	X'6807'	0	ISGYELF_KRSNMISSINGRNAME	"26630" Qname pattern specified but qname filter is binary zeroes
296	(128)	X'6808'	0	ISGYELF_KRSNMISSINGRNAMELEN	"26631" Rname pattern specified but rname filter is binary zeroes
296	(128)	X'128'	0	ISGYELF_LEN	"26632" Rname filter specified but RnameLen is binary zeroes
					"*-ISGYELF"

ISGYELF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYELF	0		ISGYELF_REASONCODE		
ISGYELF_END	128			10	
ISGYELF_FLAGS			ISGYELF_RNAME		
	1E			28	
ISGYELF_HEADER			ISGYELF_RNAMELEN		
	0			127	
ISGYELF_ID	0		ISGYELF_RNAMEPATTERN		
ISGYELF_KID_0TO3				1E	40
	128	E2C7E8	ISGYELF_RSV0D		
ISGYELF_KID_4TO7				D	
	128	D3C640	ISGYELF_VERSION		
ISGYELF_KLENGTH				C	
	128	128			
ISGYELF_KMAXVERSION					
	128	1			
ISGYELF_KRSNBADID					
	128	6801			
ISGYELF_KRSNBADLENGTH					
	128	6802			
ISGYELF_KRSNBADVERSION					
	128	6803			
ISGYELF_KRSNMISSINGQNAME					
	128	6806			
ISGYELF_KRSNMISSINGRNAME					
	128	6807			
ISGYELF_KRSNMISSINGRNAMELEN					
	128	6808			
ISGYELF_KRSNMISSINGSYSNAME					
	128	6805			
ISGYELF_KRSNRESERVEDNONZERO					
	128	6804			
ISGYELF_KVERSION#1					
	128	1			
ISGYELF_LEN	128	128			
ISGYELF_LENGTH					
	8				
ISGYELF_OWNINGASID					
	1C				
ISGYELF_OWNINGSYSNAME					
	14				
ISGYELF_QNAME					
	20				
ISGYELF_QNAMEPATTERN					
	1E	80			

ISGYENQ Information

ISGYENQ Programming Interface information

Programming Interface information

ISGYENQ

End of Programming Interface information

ISGYENQ Heading Information • ISGYENQ Map

ISGYENQ Heading Information

Common Name: ISGENQ table and constant declares
Macro ID: ISGYENQ
DSECT Name: ISGYENQRes ISGYENQToken ISGYENQReturn ISGYENQAA
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: Variable. Table size per request:
 ISGYENQRES -- X'0020' bytes
 ISGYENQTOKEN -- X'0020' bytes
 ISGYENQRETURN -- X'0008' bytes
 ISGYENQAA -- X'0030' bytes
Created by: Created by user and passed as parameter on RESTABLE, ENQTOKENTBL, RETURNRTABLE, and ANSAREA for the ISGENQ macro.
Pointed to by: RESTABLE_ADDR3164 field in ISGENQ parameter list
 ENQTOKENTBL_ADDR3164 field in ISGENQ parameter list
 RETURNRTABLE_ADDR3164 field in ISGENQ parameter list
 ANSAREA_ADDR3164 field in ISGENQ parameter list
Serialization: None required
Function: ISGYENQRES maps a table that specifies multiple ISGENQ Obtain requests.
 ISGYENQTOKEN maps a table of ENQTokens specified or returned by ISGENQ.
 ISGYENQRETURN maps a table of return and reason codes returned by ISGENQ.
 ISGYENQAA maps the data returned in the answer area by the ISGENQ service when TEST=YES.

ISGYENQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYENQRES	ResTable
0	(0)	CHARACTER	8	ISGYENQRESQNAME	QName of the resource
8	(8)	ADDRESS	8	ISGYENQRESRNAMEADDR (0)	Addr of the RName
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYENQRESRNAMEADDR31	Value of ISGYENQResTableRNameAddr for AMODE 31 callers
16	(10)	SIGNED	4	ISGYENQRESRNAMEALET	ALET of the RName. Ignored for primary ASC mode callers
20	(14)	ADDRESS	4	ISGYENQRESUCB@	Addr of UCB. Zero for a non-reserve request.
24	(18)	BITSTRING	1	ISGYENQRESRNAMELEN	Length of the RName
25	(19)	BITSTRING	1	ISGYENQRESSCOPE	Scope of the resource. Ignored if UCB address is set. One of either ISGYENQ_kSTEP, ISGYENQ_kSYSTEM, or ISGYENQ_kSYSTEMS
26	(1A)	BITSTRING	1	ISGYENQRESCONTROL	Control of request. One of either ISGYENQ_Exclusive or ISGYENQ_Shared.
27	(1B)	BITSTRING	1	ISGYENQRESFLAGS1 (0)	
		1... ..		ISGYENQRESRNLQNO	"X'80" Set for RNL=NO, zero for RNL=YES. RNL=NO is mutually exclusive with non-zero UCB
		.1..		ISGYENQRESSYNCHRESYES	"X'40" Set for SYNCHRES=YES. Mutually exclusive with ISGYENQResSynchResNo. If both ISGYENQResSynchResYes and ISGYENQResSynchResNo are zero, then SYNCHRES=SYSTEM.
		..1.		ISGYENQRESSYNCHRESNO	"X'20" Set for SYNCHRES=NO. Mutually exclusive with ISGYENQResSynchResYes.
28	(1C)	CHARACTER	4		Reserved
28	(1C)	X'20'	0	ISGYENQRES_LEN	"*-ISGYENQRES"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYENQTOKEN	ENQToken
0	(0)	CHARACTER	32	ISGYENQTOKENENTRY	ENQToken of request
0	(0)	X'20'	0	ISGYENQTOKEN_LEN	**_ISGYENQTOKEN"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYENQRETURN	Return
0	(0)	SIGNED	4	ISGYENQRETURNRC	Return code of request
4	(4)	SIGNED	4	ISGYENQRETURNRSN	Reason code of request
4	(4)	X'8'	0	ISGYENQRETURN_LEN	**_ISGYENQRETURN"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYENQAA	AnswerArea
0	(0)	CHARACTER	4	ISGYENQAA_ID	NQAA eyecatcher
4	(4)	SIGNED	2	ISGYENQAAVERSION	ISGYENQAA version
6	(6)	BITSTRING	1	ISGYENQAAFLAGS1 (0)	
		1...		ISGYENQAAANQXIT	"X'80" The request was changed by an ISGNQXIT exit.
		.1..		ISGYENQAABATCH	"X'40" The request was changed by a batch exit.
		..1.		ISGYENQAASIRNL	"X'20" The request scope was promoted by the system inclusion list
		...1		ISGYENQAASERNL	"X'10" The request scope was demoted by the systems exclusion list
		.... 1...		ISGYENQAARCRNL	"X'08" The request was converted to only a global ENQ by the reserve conversion list
		.... .1..		ISGYENQAABYPASSRNL	"X'04" RNL checking was bypassed by an exit
		.... ..1.		ISGYENQAABRSVCONV	"X'02" The request was converted to only a global ENQ by the batch exit
		.... ...1		ISGYENQAAALTSEREXTENDED	"X'01" The request would have been managed at the global level by an alternate serialization product
7	(7)	BITSTRING	1	ISGYENQAAFINALSCOPE	Resulting scope after RNL and dynamic exit processing. One of either ISGENQ_STEP, ISGENQ_SYSTEM, or ISGENQ_SYSTEMS from ISGYCON.
8	(8)	ADDRESS	8	ISGYENQAANEXT (0)	Addr of next AnswerArea block or zero if last AA record
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYENQAANEXT31	Value of ISGYENQAANext for AMODE 31 callers
16	(10)	ADDRESS	8	ISGYENQAARNAMEADDR (0)	Addr of final RName
16	(10)	CHARACTER	4		First word of 64-bit field
20	(14)	ADDRESS	4	ISGYENQAARNAMEADDR31	Value of ISGYENQAARNameAddr for AMODE 31 callers
24	(18)	CHARACTER	8	ISGYENQAAFINALQNAME	qname after dynamic exit processing
32	(20)	SIGNED	4	ISGYENQAAFINALRNAMELEN	Length of RName after dynamic exit processing
36	(24)	ADDRESS	4	ISGYENQAAFINALUCB@	UCB@ after dynamic exit processing. Note that if ISGYENQAARCRNL or ISGYENQAABRSvConv is set the device was not reserved
40	(28)	CHARACTER	8		Reserved
40	(28)	X'30'	0	ISGYENQAA_LEN	**_ISGYENQAA"

ISGYENQ Cross Reference

ISGYENQ Cross Reference

Name	Hex Offset	Hex Value
ISGYENQAA	0	
ISGYENQAA_ID	0	
ISGYENQAA_LEN		
	28	30
ISGYENQAAALTSEREXTENDED		
	6	1
ISGYENQAABATCH		
	6	40
ISGYENQAABRSVCONV		
	6	2
ISGYENQAABYPASSRNL		
	6	4
ISGYENQAAFINALQNAME		
	18	
ISGYENQAAFINALRNAMELEN		
	20	
ISGYENQAAFINALSCOPE		
	7	
ISGYENQAAFINALUCB@		
	24	
ISGYENQA AFLAGS1		
	6	
ISGYENQAANEXT		
	8	
ISGYENQAANEXT31		
	C	
ISGYENQAANQXIT		
	6	80
ISGYENQAARCRNL		
	6	8
ISGYENQAARNAMEADDR		
	10	
ISGYENQAARNAMEADDR31		
	14	
ISGYENQAASERNL		
	6	10
ISGYENQAASIRNL		
	6	20
ISGYENQAAVERSION		
	4	
ISGYENQRES	0	
ISGYENQRES_LEN		
	1C	20
ISGYENQRESCONTROL		
	1A	
ISGYENQRESFLAGS1		
	1B	
ISGYENQRESQNAME		
	0	
ISGYENQRESRNAMEADDR		
	8	
ISGYENQRESRNAMEADDR31		
	C	
ISGYENQRESRNAMEALET		
	10	
ISGYENQRESRNAMELEN		
	18	
ISGYENQRESRNLQNO		
	1B	80
ISGYENQRESSCOPE		
	19	
ISGYENQRESSYNCHRESNO		
	1B	20
ISGYENQRESSYNCHRESYES		
	1B	40
ISGYENQRESUCB@		
	14	
ISGYENQRETURN		
	0	
ISGYENQRETURN_LEN		
	4	8
ISGYENQRETURNRC		

Name	Hex Offset	Hex Value
	0	
ISGYENQRETURNRSN		
	4	
ISGYENQTOKEN	0	
ISGYENQTOKEN_LEN		
	0	20
ISGYENQTOKENENTRY		
	0	

ISGYNQBP Information

ISGYNQBP Programming Interface information

Programming Interface information

ISGYNQBP

End of Programming Interface information

ISGYNQBP Heading Information

ISGYNQBP Heading Information

Common Name: GRS ISGNQXITBatch and ISGNQXITBatchCnd Exit Parameter List
Macro ID: ISGYNQBP
DSECT Name: NQBP
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: NQBP
Offset: 0
Length: 4
Storage Attributes: Subpool: 229 or 215
Key: 0
Residency: Above the 16M line
Size: LENGTH(NQBP)
NQBP -- X'0060' bytes
NQBP RSC_ENTRY -- X'0078' bytes
Created by: ISGGNX
Pointed to by: R1 points to the NQBP on entry to the exit routine
Serialization: N/A
Function:

The Batched ENQ/DEQ Parameter list is passed to the ISGNQXITBATCH and ISGNQXITBATCHCND installation exits. These exits have the ability to interrogate and alter ENQ, RESERVE, DEQ or ISGENQ requests. The parameter list consists of a header (Nqbp) and a queue of resources/entries. Each resource is mapped by NqbpRsc_Entry. The resources are queued via NqbpRsc_NextNqbpRsc. A zero value indicates the end of the queue. The number of resources is also indicated via Nqbp_#Resources. These exits can only make the following changes to a request:

1. Reject the request, requesting GRS to ABEND. See Nqbp_RF1_SetABEND below for more information.
2. Reject the request, requesting GRS to set a return code and for ISGENQ a reason code. See Nqbp_RF1_SetRscRequest, NqbpRsc_RF1_SetReturnCode and NqbpRsc_RF1_SetReasonCode below for more information.
3. Convert a Reserve from a hardware Reserve to a global ENQ. See Nqbp_RF1_SetRscRequest and NqbpRsc_RF1_ConvertReserve below for more information.

Any other desired changes must be made through the ISGNQXIT or ISGNQXITFast exits. Generic DEQ needs special consideration. A generic DEQ is denoted by a zero RNAME length (NqbpRsc_RNameLen =0). It DEQs all resources held by the requester for the given QNAME across all Scopes and RNAMEs. As the scope is irrelevant and not used, all scope fields presented to the exit must be ignored (however, the current scope will be set to SYSTEMS).

The exits are called after each of the individual resources have been processed by ISGNQXIT/ISGNQXITFAST exits and GRS RNLs. The RNLs are always processed with any alterations made by the ISGNQXIT/ISGNQXITFAST exits. A history of the changes made by the exits and RNLs is provided via the following fields:

Scope alteration history:

1. NqbpRsc_OriginalScope - The scope specified on the ENQ, DEQ, ISGENQ, or RESERVE.
2. NqbpRsc_NqxitScope - The scope after any ISGNQXIT/FAST exit alterations.
3. NqbpRsc_Scope - The scope after any RNL alterations.

Regardless of all other indicators, this is the final scope that will be used. RNL processing history:

NqbpRsc_SF1_RnIEqNo - RNLs were not processed
NqbpRsc_SF2_Included - A SYSTEM scope was promoted to SYSTEMS
NqbpRsc_SF2_Excluded - A SYSTEMS scope was excluded to SYSTEM

This and NqbpRsc_SF2_Included can be on as it may have been promoted generically and then more specifically demoted.

NqbpRsc_SF2_Converted - A RESERVE obtain/release was converted from a RESERVE-ENQ/DEQ to a ENQ/DEQ only.

For all ENQ requests that specify a RET value or an ECB value the ISGNQXITBATCH exit routines can set a non-zero return code, overriding ENQ/RESERVE functionality. To set a return code, the exit routine sets:

Nqbp_RF1_SetRscRequest in the NQBP
NqbpRsc_RF1_SetReturnCode in the appropriate NqbpRsc entry
NqbpRsc_CP_ReturnCode to a non-zero value

If you would like GRS to represent a request set '0' (or do not set anything in the return code field, it will default to 0) for the request. GRS will set the appropriate return code. When one of the following return codes is set by the batch exit, GRS will bypass processing of the resource and pass the return code back to the caller. The request will not be represented by GRS.

A batch exit routine is allowed to set the following return codes:

ENQ/RESERVE:
 RET=TEST RC=4,8,14,20
 RET=USE RC=4,8,14,18
 RET=CHNG RC=4,8,14
 RET=HAVE RC=8,14,18,28,44
 RET=ECB RC=8,14,18,28,44
 DEQ:
 RET=HAVE RC=4,8
 ISGENQ:
 RC=4 RSN=0402,0404,0405,0406,0407,0409,040A,040B
 RC=8 RSN=0815
 RC=C RSN=0C05
 RC=10 RSN=FFyy where yy are diagnostic bits set by the exit
 ENQ/DEQ/RESERVE and ISGENQ return codes are documented in the
 MVS: Authorized Assembler Reference books.

All requests the ISGNQXITBATCH exit routine can set a one-byte ABEND code and half-word reason code for the request. The one byte ABEND code is used to generate the ABEND code. For example, if the exit routine sets the ABEND code to 5 for an ENQ request, a '538'x ABEND will be generated by ENQ processing. To set an ABEND code, the exit routine sets:

Nqbp_RF1_SetABEND in the NQBP

Nqbp_CP_ABENDCode to a non-zero value

Nqbp_CP_ABENDReason to a non-zero value (optional)

ENQ/DEQ/RESERVE ABEND codes are documented in the MVS: System Codes book.

Most of the exits that are driven for a request are provided a unique "request token" which allows the exits to correlate any required user information between exit callers. For example, the Nqbp_RD_RequestToken will be the same as the Nqxp_RequestToken if both the ISGNQXITBatchCnd and ISGNQXITFAST exits are driven for the same request.

ISGYNQBP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NQBP	
0	(0)	CHARACTER	4	NQBP_ID	Eyecatcher
4	(4)	BITSTRING	1	NQBP_VERSION	Version. See version constants below e.g. Nqbp_kVersion#1
5	(5)	CHARACTER	3		Reserved
8	(8)	ADDRESS	4	NQBP_WORKAREA@	Pointer to a 4K work area, usable by exit routines
12	(C)	CHARACTER	56	NQBP_REQUESTDATA	ENQ/DEQ request state information, these values cannot be changed
12	(C)	CHARACTER	16	NQBP_RD_REQUESTTOKEN	Unique token identifying the GRS exit call processing for the request. If needed, all exits driven for this request can use this token to identify the same request. See the prologue for more information.
28	(1C)	ADDRESS	4	NQBP_RD_ASCB@	Pointer to requester's ASCB
32	(20)	ADDRESS	4	NQBP_RD_TCB@	Pointer to requester's TCB or directed TCB if TCB= was specified
36	(24)	SIGNED	2	NQBP_RD_MASID	Request MASID value
38	(26)	CHARACTER	2		Reserved
40	(28)	ADDRESS	4	NQBP_RD_MTCB	Request MTCB value
44	(2C)	CHARACTER	8	NQBP_RD_JOBNAME	Requester's Jobname
52	(34)	CHARACTER	8	NQBP_RD_SYSNAME	Requester's Sysname
60	(3C)	ADDRESS	4	NQBP_RD_NSI@	Requester's next sequential instruction address, when ENQ/DEQ ends, this is address of the next instruction in the calling program that will be executed

ISGYNQBP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Bit definitions:					
End of Comment					
		1... ..		NQBP_RD_AMODE31	"X'80" When set, ENQ caller is AMODE 31
64	(40)	ADDRESS	4	NQBP_RD_ECB@	Pointer to original request ECB (set when ECB= specified on the request)
68	(44)	CHARACTER	4	NQBP_STATEFLAGS	ENQ/DEQ request state flags, these values cannot be changed
68	(44)	BITSTRING	1	NQBP_STATEFLAGS1	First byte of state flags
Comment					
Bit definitions:					
End of Comment					
		1... ..		NQBP_SF1_ENQ	"X'80" When 1, request is ENQ/RESERVE, when 0, request is DEQ. If Nqbp_SF1_ISGENQ is set then when 1, ISGENQ REQUEST=OBTAIN or CHANGE, when 0, REQUEST=RELEASE. See Nqbp_SF2_Change to distinguish between ISGENQ REQUEST=OBTAIN and REQUEST=CHANGE.
		.1.		NQBP_SF1_AUTHORIZED	"X'40" Caller is authorized
		.1.		NQBP_SF1_MATCHTASK	"X'20" When 1, request specified MASID/MTCB
		...1		NQBP_SF1_SMCORRMC	"X'10"
		...1		NQBP_SF1_STEPMUSTCOMPLETE	"X'10" When 1, ENQ request specified SMC=YES
		...1		NQBP_SF1_RESETMUSTCOMPLETE	"X'10" When 1, DEQ request specified RMC=YES
		.... 1...		NQBP_SF1_LINKAGE	"X'08" When 1, request is PC entered when 0, request is SVC entered. As ISGENQ requests are all PC entered, this bit will be 1 for all ISGENQ requests.
		.... ..1.		NQBP_SF1_ISGENQ	"X'02" When 1, request is via ISGENQ service
		.... ...1		NQBP_SF1_ISGENQCONDYES	"X'01" When 1, request is a conditional ISGENQ request (ISGENQ COND=YES)
69	(45)	BITSTRING	1	NQBP_STATEFLAGS2	State flags byte two
Comment					
Bit definitions:					
End of Comment					
		..1.		NQBP_SF2_CHANGE	"X'20" When 1, request is a change (i.e. ENQ RET=CHNG or ISGENQ REQUEST=CHANGE).
		...1		NQBP_SF2_TEST_YES	"X'10" When 1, ISGENQ with TEST=YES. When 0, Not ISGENQ with TEST=YES (i.e. TEST=NO if Nqbp_SF1_ISGENQ is set).
		.... 1...		NQBP_SF2_CONTENTIONACT_FAIL	"X'08" When 1, ISGENQ with CONTENTIONACT=FAIL. When 0, not CONTENTIONACT=FAIL (i.e. CONTENTIONACT=WAIT if Nqbp_SF1_ISGENQ is set and Nqbp_SF2_TEST_YES is off).
		.... ..1.		NQBP_SF2_ECB	"X'04" When 1, ECB keyword specified (i.e. ISGENQ WAITTYPE=ECB or or ENQ with ECB). When 0, No ECB specified (i.e. WAITTYPE=SUSPEND if Nqbp_SF1_ISGENQ is set and Nqbp_SF2_TEST_YES and Nqbp_SF2_CONTENTIONACT_FAIL are off).
		.... ..1.		NQBP_SF2_CHANGETOSHARED	"X'02" When 1, ISGENQ REQUEST=CHANGE specified CONTROL=SHARED. If the request is successful, the requester will be converted from an exclusive owner to a shared owner. Only valid when Nqbp_SF2_Change is 1
70	(46)	CHARACTER	2		Reserved
72	(48)	CHARACTER	4	NQBP_REQUESTFLAGS	Request flags
72	(48)	BITSTRING	1	NQBP_REQUESTFLAGS1	First byte of flags

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Bit definitions:					
End of Comment					
		1... ..		NQBP_RF1_SETRSCREQUEST	"X'80" When 1, indicates that a request was made in one or more NqbpRsc entries
		.1.. ..		NQBP_RF1_SETABEND	"X'40" When 1, indicates that an ABEND is requested from mainline processing
73	(49)	CHARACTER	3		Reserved
76	(4C)	SIGNED	4	NQBP_#RESOURCES	Number of resources in the request
80	(50)	ADDRESS	4	NQBP_FIRSTNQBP@	Pointer to first NqbpRsc entry (NqbpRsc_Entry)
84	(54)	CHARACTER	4	NQBP_CURRENTPARAMETERS	Parameters as changed by exit routines
84	(54)	BITSTRING	1	NQBP_CP_ABENDCODE	First digit of of the ABEND code (eg. x30 for DEQ and x38 for ENQ)
85	(55)	CHARACTER	1		Reserved
86	(56)	SIGNED	2	NQBP_CP_ABENDREASON	ABEND Reason Code
88	(58)	CHARACTER	8		Reserved
96	(60)	CHARACTER	1	NQBP_END (0)	
96	(60)	X'60'	0	NQBP_LEN	"*-NQBP"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	NQBPRSC_ENTRY	
0	(0)	ADDRESS	4	NQBPRSC_NEXTNQBP@	Pointer to next NqbpRsc entry, 0 indicates end of list
4	(4)	CHARACTER	8	NQBPRSC_TOKEN	For control program use only - defines which entry in the request corresponds to this NqbpRsc_Entry
12	(C)	CHARACTER	8	NQBPRSC_QNAME	Request QName
20	(14)	ADDRESS	4	NQBPRSC_RNAME@	Pointer to NQBP RNAME
24	(18)	BITSTRING	1	NQBPRSC_SCOPE	Final Scope after all possible alterations. See Nqbp_kScope for possible values and the prologue on how the scope can change. Only valid for non generic DEQ requests (i.e. NqbpRsc_RNameLen=0).
25	(19)	BITSTRING	1	NQBPRSC_RET	Request RET value, see Nqbp_kRET values Note that this field will be the same for every NqbpRsc entry in the list.

Comment					
Bit definitions:					
End of Comment					
		.... .1..		NQBPRSC_RET1	"X'04" Maps to PELRET1
		.... ..1.		NQBPRSC_RET2	"X'02" Maps to PELRET2
		.... ...1		NQBPRSC_RET3	"X'01" Maps to PELRET3
26	(1A)	BITSTRING	1	NQBPRSC_RNAMELEN	Length of the RName. When 0, request is a generic DEQ
27	(1B)	BITSTRING	1	NQBPRSC_ORIGINALSCOPE	Original scope specified on the GRS API. See the prologue for information on which scopes are presented. See Nqbp_kScope for possible values. Only valid for non generic DEQ requests (NqbpRsc_RNameLen=0).
28	(1C)	CHARACTER	4	NQBPRSC_STATEFLAGS	Resource state flags
28	(1C)	BITSTRING	1	NQBPRSC_STATEFLAGS1	First byte of resource state flags

Comment					
Bit definitions:					
End of Comment					
		1... ..		NQBPRSC_SF1_SHARE	

ISGYNQBP Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.1..		NQBPRSC_SF1_RNLEQNO	"X'80" For ENQ/RESERVE requests, when 1 request is for shared access, when 0, request is for exclusive access	
29	(1D)	BITSTRING	1	NQBPRSC_STATEFLAGS2	"X'40" RNL=NO was specified on the GRS API (the request). Second byte of resource flags	
Comment						
Bit definitions:						
End of Comment						
		1...		NQBPRSC_SF2_INCLUDED	"X'80" RNL history indicator: The Resource was promoted to SYSTEMS scope. It may have also been demoted back to SYSTEM level. See NqbpRsc_Scope for the final scope.	
		.1..		NQBPRSC_SF2_CONVERTED	"X'40" RNL history indicator: The Resource was converted from a RESERVE to SYSTEMS ENQ only. Note that NqbpRsc_Ucb@ will still be set.	
		..1.		NQBPRSC_SF2_EXCLUDED	"X'20" RNL history indicator: The Resource was demoted to SYSTEM scope. Note that the NqbpRsc_Scope is the final scope.	
		...1		NQBPRSC_SF2_GLOBAL	"X'10" Resource request will be processed globally by GRS. Note NqbpRsc_SF2_Global will always be off in GRS=NONE mode even though NqbpRsc_Scope may be SYSTEMS.	
30	(1E)	CHARACTER	2			
32	(20)	ADDRESS	4	NQBPRSC_UCB@	Request UCB address after ISGNQXIT/FAST and RNL processing. Only valid when Nqbp_SF1_ENQ is set. Note that the actual device RESERVE will not be issued when NqbpRsc_SF2_Converted or NqbpRsc_RF1_ConvertReserve is set.	
36	(24)	CHARACTER	4	NQBPRSC_REQUESTFLAGS		
36	(24)	BITSTRING	1	NQBPRSC_REQUESTFLAGS1		
Comment						
For conditional (RET=CHNG, RET=USE) or test (RET=TEST) requests exit routines can override ENQ/DEQ functionality and substitute a return code (other than zero) to be returned to the caller. If the return code is set, ENQ/DEQ processing will NOT occur for the resource. This override is ignored for all other types of requests.						
Bit definitions:						
End of Comment						
		1...		NQBPRSC_RF1_SETRETURNCODE	"X'80" When 1, request that the return code be set for this conditional/test request	
Comment						
For a RESERVE request, exit routines can specify that the RESERVE be converted to an ENQ.						
End of Comment						
		.1..		NQBPRSC_RF1_CONVERTRESERVE	"X'40" When 1, request that this RESERVE be converted to a ENQ only (no device reserve)	
Comment						
For ISGENQ conditional (RET=CHNG, RET=USE) or test (RET=TEST) requests exit routines can override ENQ/DEQ functionality and substitute a reason code (other than zero) to be returned to the caller. This reason code must accompany a NON zero return code. This override is ignored for all other types of requests.						
End of Comment						
		..1.		NQBPRSC_RF1_SETREASONCODE	"X'20" When 1, request that the reason code be set for this conditional/test request. Only processed when version is Nqbp_kVersion#2 or greater.	
37	(25)	BITSTRING	1		Reserved	
38	(26)	CHARACTER	2		Reserved	
40	(28)	CHARACTER	4	NQBPRSC_CURRENTPARAMETERS		

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	BITSTRING	1	NQBPRSC_CP_RETURNCODE	Parameters as changed by exit routines
41	(29)	CHARACTER	3		Current value of return code to be passed to the requester
44	(2C)	SIGNED	4	NQBPRSC_CP_REASONCODE	Reserved
44	(2C)	SIGNED	2		Reason code set by exit Only processed when version is Nqbp_kVersion#2
46	(2E)	SIGNED	2	NQBPRSC_CP_LORSNCODE	We ignore this since we append the exit id
48	(30)	BITSTRING	1	NQBPRSC_NQXITSCOPE	Scope value after ISGNQXITFAST and ISGNQXIT processing. See Nqbp_kScope for possible values and the prologue for information on which scopes are presented. Only provided in version Nqbp_kVersion#3 and up. A comparison with NqbpRsc_OriginalScope determines if the exit changed the scope. Only valid for non generic DEQ requests (NqbpRsc_RNameLen=0).
49	(31)	CHARACTER	7		Unused
56	(38)	CHARACTER	64		Reserved (see ISGYNQQP)
120	(78)	CHARACTER	1	NQBPRSC_END (0)	

Comment

NQBP Constants

End of Comment

120	(78)	X'D8C2D7'	0	NQBP_KID	"C'NQBP'" Used to identify control block
120	(78)	X'1'	0	NQBP_KVERSION#1	"1" Version constant -HBB7705
120	(78)	X'2'	0	NQBP_KVERSION#2	"2" Version constant -HBB7709
120	(78)	X'3'	0	NQBP_KVERSION#3	"3" Version constant -HBB7740
120	(78)	X'4'	0	NQBP_KVERSION#4	"4" Version constant -HBB7750
120	(78)	X'4'	0	NQBP_KCURRENTVERSION	"4" Current version
120	(78)	X'1'	0	NQBP_KBATCHEXIT	"1" Parameter list is being passed to the batch exit
120	(78)	X'2'	0	NQBP_KQUEUEDEXIT	"2" Parameter list is being passed to the queued exit
120	(78)	X'0'	0	NQBP_KSCOPESTEP	"0" Scope=Step
120	(78)	X'1'	0	NQBP_KSCOPESYSTEM	"1" Scope=System
120	(78)	X'2'	0	NQBP_KSCOPESYSTEMS	"2" Scope=Systems
120	(78)	X'2'	0	NQBP_KSCOPESYSPLEX	"2" Scope=Sysplex
120	(78)	X'0'	0	NQBP_KRETNONE	"0" Ret=None
120	(78)	X'1'	0	NQBP_KRETHAVE	"1" Ret=Have
120	(78)	X'2'	0	NQBP_KRETCHNG	"2" Ret=Chng
120	(78)	X'3'	0	NQBP_KRETUSE	"3" Ret=Use
120	(78)	X'4'	0	NQBP_KRETECB	"4" An ECB is specified for this ENQ request, via either the ECB= parameter on ENQ or the WAITTYPE=ECB parameter on ISGENQ REQUEST=OBTAIN
120	(78)	X'7'	0	NQBP_KRETTEST	"7" Ret=Test
120	(78)	X'60'	0	NQBP_KLENGTH	"96" Maximum length of Nqbp
120	(78)	X'E5'	0	NQBP_KSUBPOOL	"229" Subpool 229
120	(78)	X'78'	0	NQBPRSC_ENTRY_LEN	**NQBPRSC_ENTRY"

ISGYNQBP Cross Reference

ISGYNQBP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NQBP	0		NQBP_RF1_SETABEND	48	40
NQBP_#RESOURCES	4C		NQBP_RF1_SETRSCREQUEST	48	80
NQBP_CP_ABENDCODE	54		NQBP_SF1_AUTHORIZED	44	40
NQBP_CP_ABENDREASON	56		NQBP_SF1_ENQ	44	80
NQBP_CURRENTPARAMETERS	54		NQBP_SF1_ISGENQ	44	2
NQBP_END	60		NQBP_SF1_ISGENQCONDYES	44	1
NQBP_FIRSTNQBP@	50		NQBP_SF1_LINKAGE	44	8
NQBP_ID	0		NQBP_SF1_MATCHTASK	44	20
NQBP_KBATCHEXIT	78	1	NQBP_SF1_RESETMUSTCOMPLETE	44	10
NQBP_KCURRENTVERSION	78	4	NQBP_SF1_SMCORRM	44	10
NQBP_KID	78	D8C2D7	NQBP_SF1_STEPMUSTCOMPLETE	44	10
NQBP_KLENGTH	78	60	NQBP_SF2_CHANGE	45	20
NQBP_KQUEUEEXIT	78	2	NQBP_SF2_CHANGETOSHARED	45	2
NQBP_KRETCNG	78	2	NQBP_SF2_CONTENTIONACT_FAIL	45	8
NQBP_KRETECB	78	4	NQBP_SF2_ECB	45	4
NQBP_KRETHAVE	78	1	NQBP_SF2_TEST_YES	45	10
NQBP_KRETNONE	78	0	NQBP_STATEFLAGS	44	
NQBP_KRETTEST	78	7	NQBP_STATEFLAGS1	44	
NQBP_KRETUSE	78	3	NQBP_STATEFLAGS2	45	
NQBP_KSCOPESTEP	78	0	NQBP_VERSION	4	
NQBP_KSCOPESSYPLEX	78	2	NQBP_WORKAREA@	8	
NQBP_KSCOPESYSTEM	78	1	NQBP@	2E	
NQBP_KSCOPESYSTEMS	78	2	NQBP@	2C	
NQBP_KSUBPOOL	78	E5	NQBP@	28	
NQBP_KVERSION#1	78	1	NQBP@	28	
NQBP_KVERSION#2	78	2	NQBP@	78	
NQBP_KVERSION#3	78	3	NQBP@	78	
NQBP_KVERSION#4	78	4	NQBP@	78	
NQBP_LEN	60	60	NQBP@	78	
NQBP_RD_AMODE31	3C	80	NQBP@	78	
NQBP_RD_ASCB@	1C		NQBP@	78	
NQBP_RD_ECB@	40		NQBP@	78	
NQBP_RD_JOBNAME	2C		NQBP@	78	
NQBP_RD_MASID	24		NQBP@	78	
NQBP_RD_MTCB	28		NQBP@	78	
NQBP_RD_NSI@	3C		NQBP@	78	
NQBP_RD_REQUESTTOKEN	C		NQBP@	78	
NQBP_RD_SYSNAME	34		NQBP@	78	
NQBP_RD_TCB@	20		NQBP@	78	
NQBP_REQUESTDATA	C		NQBP@	78	
NQBP_REQUESTFLAGS	48		NQBP@	78	
NQBP_REQUESTFLAGS1	48		NQBP@	78	
			NQBP@	78	

Name	Hex Offset	Hex Value
NQBPRSC_RF1_SETRETURNCODE	24	80
NQBPRSC_RNAME@	14	
NQBPRSC_RNAMELEN	1A	
NQBPRSC_SCOPE	18	
NQBPRSC_SF1_RNLEQNO	1C	40
NQBPRSC_SF1_SHARE	1C	80
NQBPRSC_SF2_CONVERTED	1D	40
NQBPRSC_SF2_EXCLUDED	1D	20
NQBPRSC_SF2_GLOBAL	1D	10
NQBPRSC_SF2_INCLUDED	1D	80
NQBPRSC_STATEFLAGS	1C	
NQBPRSC_STATEFLAGS1	1C	
NQBPRSC_STATEFLAGS2	1D	
NQBPRSC_TOKEN	4	
NQBPRSC_UCB@	20	

ISGYNQPB Information

ISGYNQPB Programming Interface information

Programming Interface information

ISGYNQPB

End of Programming Interface information

ISGYNQPB Heading Information • ISGYNQPB Map

ISGYNQPB Heading Information

Common Name: Pre-Batch ENQ Exit Parameter List
Macro ID: ISGYNQPB
DSECT Name: NQPB
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: NQPB
 Offset: 0
 Length: 4

Storage Attributes: Subpool: 215
 Key: 0
 Residency: Above the 16M line

Size: LENGTH(NQPB)
 NQPB -- X'0060' bytes
 NQPBRSC_ENTRY -- X'0030' bytes

Created by: ISGGNX
Pointed to by: R1 points to the NQPB on entry to the exit routine
Serialization: N/A
Function: The Pre-Batched ENQ/DEQ Parameter list is passed to an installation provided exit (installed at the ISGNQXITPREBATCH exit point) to determine if the request should be presented to the ISGNQXITBATCHCND, ISGNQXITQUEUED1, or ISGNQXITQUEUED2 exits. If an exit routine for any resource in a list request indicates that an exit be called, the entire resource list will be presented to that exit.

Note: If there are no ISGNQXITPREBATCH exit routines, the ISGNQXITBATCHCND exit will never be invoked. The ISGNQXITQUEUED1 and ISGNQXITQUEUED2 exits are called only if either of the batch exits (ISGNQXITBATCH and ISGNQXITBATCHCND) are called. If the request is to be globally managed by an alternate serialization product, then NQPB_ER_AltSerExtended should be set. This indication will be returned on an ISGQUERY request, or by an ISGENQ TEST=YES request.

The data presented in this parameter list are read only. Changes to an ENQ/DEQ/RESERVE request can only be made through the ISGNQXIT exit point. Altering the data in the parameter list can result in severe consequences, including ABENDs, data integrity errors, and/or system wait states.

The exits are called after each of the individual resources have been processed by ISGNQXIT/ISGNQXITFAST exits and GRS RNLs. The RNLs are always processed with any alterations made by the ISGNQXIT/ISGNQXITFAST exits. A history of the changes made by the exits and RNLs is provided via the following fields:

Scope alteration history:

- 1.Nqpb_RD_OriginalScope - The scope specified on the ENQ, DEQ, ISGENQ, or RESERVE.
- 2.Nqpb_RD_NqxitScope - The scope after any ISGNQXIT/FAST exit alterations.
- 3.Nqpb_RD_Scope - The scope after any RNL alterations.

Regardless of all other indicators, this is the final scope that will be used.

RNL processing history:

Nqpb_SF2_RnlEqNo - RNLs were not processed
 Nqpb_SF3_Included - A SYSTEM scope was promoted to SYSTEMS
 Nqpb_SF3_Excluded - A SYSTEMS scope was excluded to SYSTEM
 This and Nqpb_SF3_Included can be on as it may have been promoted generically and then more specific demoted.
 Nqpb_SF3_Converted - A RESERVE obtain/release was converted from a RESERVE-ENQ/DEQ to a ENQ/DEQ only.

Most of the exits that are driven for a request are provided a unique "request token" which allows the exits to correlate any required user information between exit callers. For example, the Nqpb_RD_RequestToken will be the same as the Nqxp_RequestToken if both the ISGNQXITPREBATCH and ISGNQXITFAST exits are driven for the same request.

ISGYNQPB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NQPB	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	4	NQPB_ID	Eyecatcher
4	(4)	BITSTRING	1	NQPB_VERSION	Version. See version constants below e.g. Nqpb_kVersion#1
5	(5)	CHARACTER	3		Reserved
8	(8)	ADDRESS	4	NQPB_WORKAREA@	Pointer to a 4K work area, usable by exit routines
12	(C)	CHARACTER	72	NQPB_REQUESTDATA (0)	ENQ/DEQ request state information, these values cannot be changed
12	(C)	CHARACTER	16	NQPB_RD_REQUESTTOKEN	Unique token identifying the GRS exit call processing for the request. If needed, all exits driven for this request can use this token to identify the same request. See the prologue for more information.
28	(1C)	ADDRESS	4	NQPB_RD_QNAME@	Pointer to request QNAME
32	(20)	ADDRESS	4	NQPB_RD_RNAME@	Pointer to request RNAME
36	(24)	ADDRESS	4	NQPB_RD_UCB@	Request UCB address after ISGNQXIT/FAST and RNL processing. Only valid when Nqpb_SF1_ENQ is set. Note that the actual device RESERVE will not be issued when Nqpb_SF3_Converted is set
40	(28)	BITSTRING	1	NQPB_RD_SCOPE	Request scope, see Nqpb_kScope values
41	(29)	BITSTRING	1	NQPB_RD_ORIGINALSCOPE	Scope before exit and RNL processing, see Nqpb_kScope
42	(2A)	BITSTRING	1	NQPB_RD_RET (0)	Request RET value, see Nqpb_kRET values
		.... .1..		NQPB_RD_RET1	"X'04" Maps to PELRET1
		.... ..1.		NQPB_RD_RET2	"X'02" Maps to PELRET2
		.... ...1		NQPB_RD_RET3	"X'01" Maps to PELRET3
43	(2B)	BITSTRING	1	NQPB_RD_RNAMELEN	Length of the RName. When 0, request is a generic DEQ
44	(2C)	ADDRESS	4	NQPB_RD_ASCB@	Pointer to requester's ASCB
48	(30)	ADDRESS	4	NQPB_RD_TCB@	Pointer to requester's TCB or directed TCB if TCB= was specified
52	(34)	SIGNED	2	NQPB_RD_MASID	Request MASID value
54	(36)	BITSTRING	1	NQPB_RD_NQXITSCOPE	Scope value after ISGNQXITFAST and ISGNQXIT processing. See Nqpb_kScope for possible values and the prologue for information on which scopes are presented. Only provided in version Nqpb_kVersion#3 and up. A comparison with Nqpb_RD_OriginalScope determines if the exit changed the scope.
55	(37)	CHARACTER	1		Reserved
56	(38)	ADDRESS	4	NQPB_RD_MTCB	Request MTCB value
60	(3C)	CHARACTER	8	NQPB_RD_JOBNAME	Requester's Jobname
68	(44)	CHARACTER	8	NQPB_RD_SYSNAME	Requester's Sysname
76	(4C)	ADDRESS	4	NQPB_RD_NSI@ (0)	Requester's next sequential instruction address, when ENQ/DEQ ends, this is address of the next instruction in the calling program that will be executed
		1...		NQPB_RD_AMODE31	"X'80" When set, ENQ caller is AMODE 31
80	(50)	ADDRESS	4	NQPB_RD_ECB@	Pointer to original request ECB (set when ECB= specified on the request)
84	(54)	CHARACTER	3	NQPB_STATEFLAGS (0)	ENQ/DEQ request state flags, these values cannot be changed
84	(54)	BITSTRING	1	NQPB_STATEFLAGS1 (0)	First byte of state flags
		1...		NQPB_SF1_ENQ	"X'80" When 1, request is ENQ/RESERVE, when 0, request is DEQ. If Nqpb_SF1_ISGENQ is set then when 1, ISGENQ REQUEST=OBTAIN or CHANGE, when 0, REQUEST=RELEASE. See Nqpb_SF2_Change to distinguish between ISGENQ REQUEST=OBTAIN and REQUEST=CHANGE.
		.1..		NQPB_SF1_AUTHORIZED	"X'40" Caller is authorized
		..1.		NQPB_SF1_MATCHTASK	"X'20" When 1, request specified MASID/MTCB
		...1		NQPB_SF1_SMCORRMC	"X'10"
		...1		NQPB_SF1_STEPMUSTCOMPLETE	"X'10" When 1, ENQ request specified SMC=YES
		...1		NQPB_SF1_RESETMUSTCOMPLETE	"X'10" When 1, DEQ request specified RMC=YES
		.... 1...		NQPB_SF1_LINKAGE	

ISGYNQPB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		NQPB_SF1_ISGENQ	"X'08" When 1, request is PC entered when 0, request is SVC entered. As ISGENQ requests are all PC entered, this bit will be 1 for all ISGENQ requests.
		.... ..1.		NQPB_SF1_ISGENQCONDYES	"X'04" When 1, request is ISGENQ
85	(55)	BITSTRING	1	NQPB_STATEFLAGS2 (0)	"X'02" When 1, request is a conditional ISGENQ request (ISGENQ COND=YES)
		1...		NQPB_SF2_SHARE	Second byte of state flags
		.1..		NQPB_SF2_RNLEQNO	"X'80" For ENQ/RESERVE requests, when 1 request is for shared access, when 0, request is for exclusive access
		..1.		NQPB_SF2_CHANGE	"X'40" RNL=NO was specified on the request
		...1		NQPB_SF2_TEST_YES	"X'20" When 1, request is a change (i.e. ENQ RET=CHNG or ISGENQ REQUEST=CHANGE).
		.... 1...		NQPB_SF2_CONTENTIONACT_FAIL	"X'10" When 1, ISGENQ with TEST=YES. When 0, Not ISGENQ with TEST=YES (i.e. TEST=NO if Nqpb_SF1_ISGENQ is set).
		.... .1..		NQPB_SF2_ECB	"X'08" When 1, ISGENQ with CONTENTIONACT=FAIL. When 0, not CONTENTIONACT=FAIL (i.e. CONTENTIONACT=WAIT if Nqpb_SF1_ISGENQ is set and Nqpb_SF2_TEST_YES is off).
		.... ..1.		NQPB_SF2_CHANGETOSHARED	"X'04" When 1, ECB keyword specified (i.e. ISGENQ WAITTYPE=ECB or ENQ with ECB). When 0, No ECB specified (i.e. WAITTYPE=SUSPEND if Nqpb_SF1_ISGENQ is set and Nqpb_SF2_TEST_YES and Nqpb_SF2_CONTENTIONACT_FAIL are off).
86	(56)	BITSTRING	1	NQPB_STATEFLAGS3 (0)	"X'20" When 1, ISGENQ REQUEST=CHANGE specified CONTROL=SHARED. If the request is successful, the requester will be converted from an exclusive owner to a shared owner. Only valid when Nqpb_SF2_Change is 1
		1...		NQPB_SF3_INCLUDED	Third byte of state flags
		.1..		NQPB_SF3_CONVERTED	"X'80" Resource promoted to SYSTEMS scope
		..1.		NQPB_SF3_EXCLUDED	"X'40" Resource converted from RESERVE to SYSTEMS ENQ only. As such, the device RESERVE will not be issued, but Nqpb_RD_Ucb@ will still be set
		...1		NQPB_SF3_GLOBAL	"X'20" Resource demoted to SYSTEM scope
87	(57)	CHARACTER	1		"X'10" Resource request will be processed globally by GRS. Note Nqpb_SF3_Global will always be off in GRS=NONE mode.
88	(58)	CHARACTER	4	NQPB_EXITRESPONSEFLAGS (0)	Reserved
88	(58)	BITSTRING	1	NQPB_EXITRESPONSEFLAGS1 (0)	Response from exit routines
		1...		NQPB_ER_CALLISGNQXITBATCHCND	First byte of exit response flags
		.1..		NQPB_ER_ALTSEREXTENDED	"X'80" Drive this request through the ISGNQXITBATCHCND exit point
		.... 1...		NQPB_ER_INTERESTINPREB	"X'40" Used by alternate serialization products to show that this request is being managed at the global (SYSTEMS) level. Only processed when version is Nqpb_kVersion#2 and above.
		.... .1..		NQPB_ER_CALLPREBFORTHISRESOURCE	"X'08"
89	(59)	CHARACTER	3		"X'04"
92	(5C)	CHARACTER	4		Reserved
96	(60)	CHARACTER	1	NQPB_END (0)	Reserved

Comment

NQPB Constants

End of Comment

96	(60)	X'D8D7C2'	0	NQPB_KID	"C'NQPB" Used to identify control block
96	(60)	X'1'	0	NQPB_KVERSION#1	"1" Version constant - HBB7705

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
96	(60)	X'2'	0	NQPB_KVERSION#2	"2" Version constant - HBB7709
96	(60)	X'3'	0	NQPB_KVERSION#3	"3" Version constant - HBB7740
96	(60)	X'4'	0	NQPB_KVERSION#4	"4" Version constant - HBB7750
96	(60)	X'4'	0	NQPB_KCURRENTVERSION	"4" Current version
96	(60)	X'0'	0	NQPB_KSCOPESTEP	"0" Scope=Step
96	(60)	X'1'	0	NQPB_KSCOPESYSTEM	"1" Scope=System
96	(60)	X'2'	0	NQPB_KSCOPESYSTEMS	"2" Scope=Systems
96	(60)	X'0'	0	NQPB_KRETNONE	"0" Ret=None
96	(60)	X'1'	0	NQPB_KRETHAVE	"1" Ret=Have
96	(60)	X'2'	0	NQPB_KRETNONE	"2" Ret=Chng
96	(60)	X'3'	0	NQPB_KRETUSE	"3" Ret=Use
96	(60)	X'7'	0	NQPB_KRETTEST	"7" Ret=Test
96	(60)	X'F0'	0	NQPB_KSF3MASK	"240" Mask for copying from PeIXFig1 to Nqpb_StateFlags3
96	(60)	X'60'	0	NQPB_KLENGTH	"96" Length of NQPB
96	(60)	X'60'	0	NQPB_LEN	""-NQPB"

ISGYNQPB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NQPB	0			60	3
NQPB_END	60		NQPB_KVERSION#4	60	4
NQPB_ER_ALTSEXTENDED	58	40	NQPB_LEN	60	60
NQPB_ER_CALLISGNQXITBATCHCND	58	80	NQPB_RD_AMODE31	4C	80
NQPB_ER_CALLPREBFORTHISRESOURCE	58	4	NQPB_RD_ASCB@	2C	
NQPB_ER_INTERESTINPREB	58	8	NQPB_RD_ECB@	50	
NQPB_EXITRESPONSEFLAGS	58		NQPB_RD_JOBNAME	3C	
NQPB_EXITRESPONSEFLAGS1	58		NQPB_RD_MASID	34	
NQPB_ID	0		NQPB_RD_MTCB	38	
NQPB_KCURRENTVERSION	60	4	NQPB_RD_NQXITSCOPE	36	
NQPB_KID	60	D8D7C2	NQPB_RD_NSI@	4C	
NQPB_KLENGTH	60	60	NQPB_RD_ORIGINALSCOPE	29	
NQPB_KRETNONE	60	2	NQPB_RD_QNAME@	1C	
NQPB_KRETHAVE	60	1	NQPB_RD_REQUESTTOKEN	C	
NQPB_KRETUSE	60	7	NQPB_RD_RET	2A	
NQPB_KSCOPESTEP	60	3	NQPB_RD_RET1	2A	4
NQPB_KSCOPESYSTEM	60	0	NQPB_RD_RET2	2A	2
NQPB_KSCOPESYSTEMS	60	1	NQPB_RD_RET3	2A	1
NQPB_KSCOPESYSTEMS	60	2	NQPB_RD_RNAME@	20	
NQPB_KSF3MASK	60	F0	NQPB_RD_RNAMELEN	2B	
NQPB_KVERSION#1	60	1	NQPB_RD_SCOPE	28	
NQPB_KVERSION#2	60	2	NQPB_RD_SYSNAME	44	
NQPB_KVERSION#3	60	2	NQPB_RD_TCB@	30	
			NQPB_RD_UCB@	24	
			NQPB_REQUESTDATA	C	
			NQPB_SF1_AUTHORIZED	54	40

ISGYNQPB Cross Reference

Name	Hex Offset	Hex Value
NQPB_SF1_ENQ	54	80
NQPB_SF1_ISGENQ		
	54	4
NQPB_SF1_ISGENQCONDYES		
	54	2
NQPB_SF1_LINKAGE		
	54	8
NQPB_SF1_MATCHTASK		
	54	20
NQPB_SF1_RESETMUSTCOMPLETE		
	54	10
NQPB_SF1_SMCORRMC		
	54	10
NQPB_SF1_STEPMUSTCOMPLETE		
	54	10
NQPB_SF2_CHANGE		
	55	20
NQPB_SF2_CHANGETOSHARED		
	55	2
NQPB_SF2_CONTENTIONACT_FAIL		
	55	8
NQPB_SF2_ECB		
	55	4
NQPB_SF2_RNLEQNO		
	55	40
NQPB_SF2_SHARE		
	55	80
NQPB_SF2_TEST_YES		
	55	10
NQPB_SF3_CONVERTED		
	56	40
NQPB_SF3_EXCLUDED		
	56	20
NQPB_SF3_GLOBAL		
	56	10
NQPB_SF3_INCLUDED		
	56	80
NQPB_STATEFLAGS		
	54	
NQPB_STATEFLAGS1		
	54	
NQPB_STATEFLAGS2		
	55	
NQPB_STATEFLAGS3		
	56	
NQPB_VERSION		
	4	
NQPB_WORKAREA@		
	8	

ISGYNQQP Information

ISGYNQQP Programming Interface information

Programming Interface information

ISGYNQQP

End of Programming Interface information

ISGYNQQP Heading Information • ISGYNQQP Map

ISGYNQQP Heading Information

Common Name: Queued ENQ Exit Parameter List
Macro ID: ISGYNQQP
DSECT Name: NQQP
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: NQQP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229 or 215
 Key: 0
 Residency: Above the 16M line
Size: LENGTH(NQQP)
 NQQP -- X'0060' bytes
 NQQPRSC_ENTRY -- X'0078' bytes
Created by: ISGGNX
Pointed to by: R1 points to the NQQP on entry to the exit routine
Serialization: N/A
Function: The Queued ENQ parameter list is passed to an installation provided exit routine (installed at the ISGNQXITQUEUED1 or ISGNQXITQUEUED2 exits) to indicate that all of the elements have been queued. At the time of the ISGNQXITQUEUED1 exit local processing has completed and global requests have been queued to the global processor. When ISGNQXITQUEUED2 is invoked all requests have been processed. These exits are called just prior to waiting for contention (for unconditional requests that have not been promoted) or returning to the ENQ requester. The request data presented in this exit are read only. Most of the exits that are driven for a request are provided a unique "request token" which allows the exits to correlate any required user information between exit callers. For example, the Nqqp_RD_RequestToken will be the same as the Nqxp_RequestToken if both the ISGNQXITQUEUED1 and ISGNQXITFAST exits are driven for the same request.

ISGYNQQP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NQQP	
0	(0)	CHARACTER	4	NQQP_ID	Eyecatcher
4	(4)	BITSTRING	1	NQQP_VERSION	Version. See version constants below e.g. Nqqp_kVersion#1
5	(5)	BITSTRING	1	NQQP_EXITTYPE	Indicates which exit is being called. See ExitType constants below e.g. Nqqp_kExitTypeQ1. Valid for Nqqp_Version of Nqqp_kVersion#5 or higher.
6	(6)	CHARACTER	2		Reserved
8	(8)	ADDRESS	4	NQQP_WORKAREA@	Pointer to a 4K work area, usable by exit routines
12	(C)	CHARACTER	56	NQQP_REQUESTDATA (0)	ENQ request state information, these values cannot be changed
12	(C)	CHARACTER	16	NQQP_RD_REQUESTTOKEN	Unique token identifying the GRS exit call processing for the request. If needed, all exits driven for this request can use this token to identify the same request. See the prologue for more information.
28	(1C)	ADDRESS	4	NQQP_RD_ASCB@	Pointer to requester's ASCB
32	(20)	ADDRESS	4	NQQP_RD_TCB@	Pointer to requester's TCB or directed TCB if TCB= was specified
36	(24)	SIGNED	2	NQQP_RD_MASID	Request MASID value
38	(26)	CHARACTER	2		Reserved
40	(28)	ADDRESS	4	NQQP_RD_MTCB	Request MTCB value
44	(2C)	CHARACTER	8	NQQP_RD_JOBNAME	Requester's Jobname
52	(34)	CHARACTER	8	NQQP_RD_SYSNAME	Requester's Sysname
60	(3C)	ADDRESS	4	NQQP_RD_NSI@ (0)	Requester's next sequential instruction address, when ENQ ends, this is address of the next instruction in the calling program that will be executed
		1... ..		NQQP_RD_AMODE31	"X'80" When set, ENQ caller is AMODE 31
64	(40)	ADDRESS	4	NQQP_RD_ECB@	Pointer to original request ECB (set when ECB= specified on the request)
68	(44)	CHARACTER	4	NQQP_STATEFLAGS (0)	ENQ request state flags, these values cannot be changed

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
68	(44)	BITSTRING	1	NQQP_STATEFLAGS1 (0)	First byte of state flags
		1...		NQQP_SF1_ENQ	"X'80" When 1, request is ENQ/RESERVE. This bit is never off. If Nqqp_SF1_ISGENQ is set then when 1, ISGENQ REQUEST=OBTAIN or CHANGE. See Nqqp_SF2_Change to distinguish between ISGENQ REQUEST=OBTAIN and REQUEST=CHANGE.
		.1..		NQQP_SF1_AUTHORIZED	"X'40" Caller is authorized
		..1.		NQQP_SF1_MATCHTASK	"X'20" When 1, request specified MASID/MTCB
		...1		NQQP_SF1_SMCORRMC	"X'10"
		...1		NQQP_SF1_STEPMUSTCOMPLETE	"X'10" When 1, ENQ request specified SMC=YES
		...1		NQQP_SF1_RESETMUSTCOMPLETE	"X'10" Unused
		.... 1...		NQQP_SF1_LINKAGE	"X'08" When 1, request is PC entered when 0, request is SVC entered. As ISGENQ requests are all PC entered, this bit will be 1 for all ISGENQ requests.
		.... .1..		NQQP_SF1_REDRIREFORRNCHANGE	"X'04" When 1, this request is being redriven because a dynamic RNL change has occurred. Note that none of the Rsc entries associated with this Nqqp will contain valid return code information as none of the resource requests were queued. If a batch exit exists when the request is redriven, it will get control with a new request token and each of the Rsc entries will reflect the resource scope using the new RNLs.
		.... ..1.		NQQP_SF1_ISGENQ	"X'02" When 1, request via ISGENQ service
		.... ...1		NQQP_SF1_ISGENQCONDYES	"X'01" When 1, request is a conditional ISGENQ request (ISGENQ COND=YES)
69	(45)	BITSTRING	1	NQQP_STATEFLAGS2 (0)	State flags byte two
		..1.		NQQP_SF2_CHANGE	"X'20" When 1, request is a change (i.e. ENQ RET=CHNG or ISGENQ REQUEST=CHANGE).
		...1		NQQP_SF2_TEST_YES	"X'10" When 1, ISGENQ with TEST=YES. When 0, Not ISGENQ with TEST=YES (i.e. TEST=NO if Nqqp_SF1_ISGENQ is set).
		.... 1...		NQQP_SF2_CONTENTIONACT_FAIL	"X'08" When 1, ISGENQ with CONTENTIONACT=FAIL. When 0, not CONTENTIONACT=FAIL (i.e. CONTENTIONACT=WAIT if Nqqp_SF1_ISGENQ is set and Nqqp_SF2_TEST_YES is off).
		.... .1..		NQQP_SF2_ECB	"X'04" When 1, ECB keyword specified (i.e. ISGENQ WAITTYPE=ECB or or ENQ with ECB). When 0, No ECB specified (i.e. WAITTYPE=SUSPEND if Nqqp_SF1_ISGENQ is set and Nqqp_SF2_TEST_YES and Nqqp_SF2_CONTENTIONACT_FAIL are off).
		.... ..1.		NQQP_SF2_CHANGETOSHARED	"X'02" When 1, ISGENQ REQUEST=CHANGE specified CONTROL=SHARED. If the request is successful, the requester will be converted from an exclusive owner to a shared owner. Only valid when Nqqp_SF2_Change is 1
70	(46)	CHARACTER	2		Reserved
72	(48)	CHARACTER	4	NQQP_REQUESTFLAGS (0)	Batch request flags
72	(48)	BITSTRING	1	NQQP_REQUESTFLAGS1 (0)	First byte of flags
		1...		NQQP_RF1_SETRSCREQUEST	"X'80" When 1, indicates that a module on the ISGNQXITBATCH exit requested a change to one or more NqqpRsc entries
		.1..		NQQP_RF1_SETABEND	"X'40" When 1, indicates that a module on the ISGNQXITBATCH exit requested to ABEND mainline processing. See Nqqp_ABENDInformation for the requested ABEND
73	(49)	CHARACTER	3		Reserved
76	(4C)	SIGNED	4	NQQP_#RESOURCES	Number of resources in the request
80	(50)	ADDRESS	4	NQQP_FIRSTNQQPRSC@	Pointer to first NqqpRsc entry
84	(54)	CHARACTER	4	NQQP_ABENDINFORMATION (0)	

ISGYNQQP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					ABEND state of request ***** * Nqqp_ABENDCd is set to zero if the request is not ABENDING *****
84	(54)	SIGNED	2	NQQP_ABENDCD (0)	Abend code
84	(54)	BITSTRING	1	NQQP_ABENDCODE	First digit of the ABEND code
85	(55)	BITSTRING	1	NQQP_ABENDCODELO	Second and third digits of the ABEND code
86	(56)	SIGNED	2	NQQP_ABENDREASON	ABEND Reason Code
88	(58)	CHARACTER	8		Reserved
96	(60)	CHARACTER	1	NQQP_END (0)	
96	(60)	X'60'	0	NQQP_LEN	""-NQQP"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	NQQPRSC_ENTRY	
0	(0)	ADDRESS	4	NQQPRSC_NEXTNQQPRSC@	Pointer to next NqqpRsc entry, 0 indicates end of list
4	(4)	CHARACTER	8	NQQPRSC_TOKEN	For control program use only - defines which entry in the request corresponds to this NqqpRsc_Entry
12	(C)	CHARACTER	8	NQQPRSC_QNAME	Request QName
20	(14)	ADDRESS	4	NQQPRSC_RNAME@	Pointer to Nqqp RNAME
24	(18)	BITSTRING	1	NQQPRSC_SCOPE	Request scope, see Nqqp_kScope values
25	(19)	BITSTRING	1	NQQPRSC_RET (0)	Request RET value, see Nqqp_kRET values Note that this field will be the same for every NqqpRsc entry in the list.
		.... .1..		NQQPRSC_RET1	"X'04" Maps to PELRET1
		.... ..1.		NQQPRSC_RET2	"X'02" Maps to PELRET2
		.... ...1		NQQPRSC_RET3	"X'01" Maps to PELRET3
26	(1A)	BITSTRING	1	NQQPRSC_RNAMELEN	Length of the RName.
27	(1B)	BITSTRING	1	NQQPRSC_ORIGINALSCOPE	Original scope specified on the GRS API. See Nqqp_kScope for possible values.
28	(1C)	CHARACTER	4	NQQPRSC_STATEFLAGS (0)	Resource state flags
28	(1C)	BITSTRING	1	NQQPRSC_STATEFLAGS1 (0)	First byte of resource state flags
		1...		NQQPRSC_SF1_SHARE	"X'80" For ENQ/RESERVE requests, when 1 request is for shared access, when 0, request is for exclusive access
		.1..		NQQPRSC_SF1_RNLQNO	"X'40" RNL=NO was specified on the request
29	(1D)	BITSTRING	1	NQQPRSC_STATEFLAGS2 (0)	Second byte of resource flags
		1...		NQQPRSC_SF2_INCLUDED	"X'80" RNL history indicator: The Resource was promoted to SYSTEMS scope. It may have also been demoted back to SYSTEM level. See NqqpRsc_Scope for the final scope.
		.1..		NQQPRSC_SF2_CONVERTED	"X'40" RNL history indicator: The Resource was converted from a RESERVE to SYSTEMS ENQ only. Note that NqqpRsc_Ucb@ will still be set.
		..1.		NQQPRSC_SF2_EXCLUDED	"X'20" RNL history indicator: The Resource was demoted to SYSTEM scope. Note that the NqqpRsc_Scope is the final scope.
		...1		NQQPRSC_SF2_GLOBAL	"X'10" Resource request will be processed globally by GRS. Note NqqpRsc_SF2_Global will always be off in GRS=NONE mode even though NqqpRsc_Scope may be SYSTEMS.
		.... 1...		NQQPRSC_SF2_CONTENTION	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'08" Contention was encountered for this request. This bit is set for any request where contention exists or would have been created for the resource. This includes TEST requests where the resource is already owned. Likewise it includes RET=USE and CONTENTIONACT=FAIL requests that encountered a resource that was already owned. Valid for Nqqp_Version of Nqqp_kVersion#5 or higher.
30	(1E)	CHARACTER	2		
32	(20)	ADDRESS	4	NQQPRSC_UCB@	Request UCB address
36	(24)	CHARACTER	4	NQQPRSC_REQUESTFLAGS	(0)
					Batch request flags
36	(24)	BITSTRING	1	NQQPRSC_REQUESTFLAGS1	(0)
					First flags byte
		1... ..		NQQPRSC_RF1_SETRETURNCODE	"X'80" When 1, indicates that a module on the ISGNQXITBATCH exit requested a change to the return code for this conditional/test request
		.1.. ..		NQQPRSC_RF1_CONVERTRESERVE	"X'40" When 1, indicates that a module on the ISGNQXITBATCH exit requested that this RESERVE be converted to a SYSTEMS ENQ only
		..1.		NQQPRSC_RF1_SETREASONCODE	"X'20" When 1, indicates that a module on the ISGNQXITBATCH exit requested a change to the reason code for this conditional/test request.
37	(25)	BITSTRING	1		Reserved
38	(26)	CHARACTER	2		Reserved
40	(28)	BITSTRING	1	NQQPRSC_RETURNCODE	Return code to the requester, if applicable. Note that for ENQ/RESERVE this will be an ENQ-style return code and for ISGENQ this will be an ISGENQ-style return code which corresponds to the reason in NqqpRsc_ReasonCode. However, a value of 1 indicates that this resource is global and a return code has not yet been determined. This value should be ignored if Nqqp_ABENDCd is non-zero.
41	(29)	CHARACTER	3		Unused
44	(2C)	SIGNED	4	NQQPRSC_REASONCODE	(0)
					Reason code for ISGENQ request. Only valid when Nqqp_SF1_ISGENQ is set. This value should be ignored if Nqqp_ABENDCd is non-zero.
44	(2C)	SIGNED	2		Internal diag field
46	(2E)	SIGNED	2	NQQPRSC_LORSNCODE	
48	(30)	CHARACTER	1		Reserved (see ISGYNQBP)
49	(31)	CHARACTER	7		Unused
56	(38)	CHARACTER	32	NQQPRSC_RSCTOKEN	Token uniquely identifying the resource. Valid for Nqqp_Version of Nqqp_kVersion#3 or higher and when its value is non-zero
88	(58)	CHARACTER	32	NQQPRSC_ENQTOKEN	Token uniquely identifying the queued request to the resource. Valid for Nqqp_Version of Nqqp_kVersion#3 or higher and when its value is non-zero
120	(78)	CHARACTER	1	NQQPRSC_END	(0)

Comment

Nqqp Constants

End of Comment

120	(78)	X'D8D8D7'	0	NQQP_KID	"C'NQQP'" Used to identify control block
120	(78)	X'1'	0	NQQP_KVERSION#1	"1" Version - HBB7705
120	(78)	X'2'	0	NQQP_KVERSION#2	"2" Version - HBB7709
120	(78)	X'3'	0	NQQP_KVERSION#3	"3" Version - HBB7740
120	(78)	X'4'	0	NQQP_KVERSION#4	"4" Version - HBB7750
120	(78)	X'5'	0	NQQP_KVERSION#5	"5" Version - HBB7760
120	(78)	X'5'	0	NQQP_KCURRENTVERSION	"5" Current version
120	(78)	X'1'	0	NQQP_KEXITTYPEQ1	"1" Exit ISGNQXITQUEUED1
120	(78)	X'2'	0	NQQP_KEXITTYPEQ2	"2" Exit ISGNQXITQUEUED2
120	(78)	X'0'	0	NQQP_KSCOPESTEP	"0" Scope=Step

ISGYNQQP Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
120	(78)	X'1'	0	NQQP_KSCOPESYSTEM	"1" Scope=System
120	(78)	X'2'	0	NQQP_KSCOPESYSTEMS	"2" Scope=Systems
120	(78)	X'0'	0	NQQP_KRETNONE	"0" Ret=None
120	(78)	X'1'	0	NQQP_KRETHAVE	"1" Ret=Have
120	(78)	X'2'	0	NQQP_KRETCHNG	"2" Ret=Chng
120	(78)	X'3'	0	NQQP_KRETUSE	"3" Ret=Use
120	(78)	X'4'	0	NQQP_KRETECB	"4" An ECB is specified for this ENQ request, via either the ECB= parameter on ENQ or the WAITTYPE=ECB parameter on ISGENQ REQUEST=OBTAIN
120	(78)	X'7'	0	NQQP_KRETTEST	"7" Ret=Test
120	(78)	X'1'	0	NQQP_KRCGLOBAL	"1" Return code value when a request is global and not yet been determined
120	(78)	X'60'	0	NQQP_KLENGTH	"96" Maximum length of Nqqp
120	(78)	X'78'	0	NQQPRSC_ENTRY_LEN	**NQQPRSC_ENTRY"

ISGYNQQP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NQQP	0		NQQP_KVERSION#3	78	3
NQQP_#RESOURCES	4C		NQQP_KVERSION#4	78	4
NQQP_ABENDCD	54		NQQP_KVERSION#5	78	5
NQQP_ABENDCODE	54		NQQP_LEN	60	60
NQQP_ABENDCODELO	55		NQQP_RD_AMODE31	3C	80
NQQP_ABENDINFORMATION	54		NQQP_RD_ASCB@	1C	
NQQP_ABENDREASON	56		NQQP_RD_ECB@	40	
NQQP_END	60		NQQP_RD_JOBNAME	2C	
NQQP_EXITTYPE	5		NQQP_RD_MASID	24	
NQQP_FIRSTNQQPRSC@	50		NQQP_RD_MTCB	28	
NQQP_ID	0		NQQP_RD_NSI@	3C	
NQQP_KCURRENTVERSION	78	5	NQQP_RD_REQUESTTOKEN	C	
NQQP_KEXITTYPEQ1	78	1	NQQP_RD_SYSNAME	34	
NQQP_KEXITTYPEQ2	78	2	NQQP_RD_TCB@	20	
NQQP_KID	78	D8D8D7	NQQP_REQUESTDATA	C	
NQQP_KLENGTH	78	60	NQQP_REQUESTFLAGS	48	
NQQP_KRCGLOBAL	78	1	NQQP_REQUESTFLAGS1	48	
NQQP_KRETCHNG	78	2	NQQP_RF1_SETABEND	48	40
NQQP_KRETECB	78	4	NQQP_RF1_SETRSCREQUEST	48	80
NQQP_KRETHAVE	78	1	NQQP_SF1_AUTHORIZED	44	40
NQQP_KRETNONE	78	0	NQQP_SF1_ENQ	44	80
NQQP_KRETTEST	78	7	NQQP_SF1_ISGENQ	44	2
NQQP_KRETUSE	78	3	NQQP_SF1_ISGENQCONDYES	44	1
NQQP_KSCOPESTEP	78	0	NQQP_SF1_LINKAGE	44	8
NQQP_KSCOPESYSTEM	78	1	NQQP_SF1_MATCHTASK	44	20
NQQP_KSCOPESYSTEMS	78	2	NQQP_SF1_REDRIVEFORRNLCCHANGE	44	4
NQQP_KVERSION#1	78	1	NQQP_SF1_RESETMUSTCOMPLETE	44	10
NQQP_KVERSION#2	78	2			

Name	Hex Offset	Hex Value
NQQP_SF1_SMCORRMC		
	44	10
NQQP_SF1_STEPMUSTCOMPLETE		
	44	10
NQQP_SF2_CHANGE		
	45	20
NQQP_SF2_CHANGETOSHARED		
	45	2
NQQP_SF2_CONTENTIONACT_FAIL		
	45	8
NQQP_SF2_ECB		
	45	4
NQQP_SF2_TEST_YES		
	45	10
NQQP_STATEFLAGS		
	44	
NQQP_STATEFLAGS1		
	44	
NQQP_STATEFLAGS2		
	45	
NQQP_VERSION		
	4	
NQQP_WORKAREA@		
	8	
NQQPRSC_END		
	78	
NQQPRSC_ENQTOKEN		
	58	
NQQPRSC_ENTRY		
	0	
NQQPRSC_ENTRY_LEN		
	78	78
NQQPRSC_LORSNCODE		
	2E	
NQQPRSC_NEXTNQQPRSC@		
	0	
NQQPRSC_ORIGINALSCOPE		
	1B	
NQQPRSC_QNAME		
	C	
NQQPRSC_REASONCODE		
	2C	
NQQPRSC_REQUESTFLAGS		
	24	
NQQPRSC_REQUESTFLAGS1		
	24	
NQQPRSC_RET		
	19	
NQQPRSC_RETURNCODE		
	28	
NQQPRSC_RET1		
	19	4
NQQPRSC_RET2		
	19	2
NQQPRSC_RET3		
	19	1
NQQPRSC_RF1_CONVERTRESERVE		
	24	40
NQQPRSC_RF1_SETREASONCODE		
	24	20
NQQPRSC_RF1_SETRETURNCODE		
	24	80
NQQPRSC_RNAME@		
	14	
NQQPRSC_RNAMELEN		
	1A	
NQQPRSC_RSCTOKEN		
	38	
NQQPRSC_SCOPE		
	18	
NQQPRSC_SF1_RNLEQNO		
	1C	40
NQQPRSC_SF1_SHARE		
	1C	80
NQQPRSC_SF2_CONTENTION		
	1D	8
NQQPRSC_SF2_CONVERTED		
	1D	40
NQQPRSC_SF2_EXCLUDED		
	1D	20
NQQPRSC_SF2_GLOBAL		

Name	Hex Offset	Hex Value
	1D	10
NQQPRSC_SF2_INCLUDED		
	1D	80
NQQPRSC_STATEFLAGS		
	1C	
NQQPRSC_STATEFLAGS1		
	1C	
NQQPRSC_STATEFLAGS2		
	1D	
NQQPRSC_TOKEN		
	4	
NQQPRSC_UCB@		
	20	

ISGYNQXP Information

ISGYNQXP Programming Interface information

Programming Interface information

ISGYNQXP

End of Programming Interface information

ISGYNQXP Heading Information • ISGYNQXP Map

ISGYNQXP Heading Information

Common Name: ENQ Exit Parameter List
Macro ID: ISGYNQXP
DSECT Name: NQXP
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: NQXP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 215
 Key: 0
 Residency: Above the 16M line
Size: LENGTH(NQXP)
 NQXP -- 'X'0088' bytes
Created by: ISGGNX
Pointed to by: R1 points to the NQXP on entry to the exit routine
Serialization: N/A
Function: The ENQ Exit Parameter List provides an installation provided exit (installed at the ISGNQXIT or ISGNQXITFAST exit point) the ability to modify attributes of an ENQ, RESERVE or DEQ request. However, on an ISGENQ Request (Release) or (Change) the installation exit will be presented with the request, but any changes to the attributes will not be honored.
 The exit routine may change any of the following values in the NQXP. Appropriate changes will be made to the request.

Value	Flag
Nqxp_CP_QName	Nqxp_RF1_ChangeQName
Nqxp_CP_RName, Nqxp_CP_RNameLen	Nqxp_RF1_ChangeRName (1)
Nqxp_CP_Scope	Nqxp_RF1_ChangeScope
Nqxp_CP_UCB@	Nqxp_RF1_ChangeUCB
(to bypass RNL processing)	Nqxp_RF1_BypassRNLs

(1) When changing the RName, do not alter the virtual storage address value contained in Nqxp_CP_RName. Instead, alter the RName at the virtual storage area designated by Nqxp_CP_RName@ virtual storage address value. The routine calling the exit provides enough storage to save a 255 byte RName at that address.
 The Nqxp_RequestToken is used to correlate the different exits called by ENQ/DEQ processing. Each request is assigned a unique 8 byte token that will be propagated to each exit point called for the ENQ/DEQ request.
 Nqxp_WorkArea@ points to a 4K work area that can be used as working storage by exit routines. However, this area CANNOT be used to pass information between exit routines or other ENQ/DEQ exit points.

ISGYNQXP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NQXP	
0	(0)	CHARACTER	4	NQXP_ID	Eyecatcher
4	(4)	BITSTRING	1	NQXP_VERSION	Version
5	(5)	CHARACTER	3		Reserved
8	(8)	CHARACTER	40	NQXP_REQUESTDATA	
				(0)	ENQ/DEQ request state information, these values cannot be changed
8	(8)	ADDRESS	4	NQXP_RD_ASCB@	Pointer to requester's ASCB
12	(C)	ADDRESS	4	NQXP_RD_TCB@	Pointer to requester's TCB or directed TCB if TCB= was specified
16	(10)	CHARACTER	6	NQXP_RD_VOLSER	VOLSER of requested UCB, see Nqxp_OP_Ucb@. Only valid when Nqxp_SF1_ENQ is set.
22	(16)	SIGNED	2	NQXP_RD_MASID	Request MASID value
24	(18)	ADDRESS	4	NQXP_RD_MTCB	Request MTCB value
28	(1C)	BITSTRING	1	NQXP_RD_RET	Request RET value, see Nqxp_kRET values
				(0)	
		.... .1..		NQXP_RD_RET1	"X'04" Maps to PELRET1
		.... ..1.		NQXP_RD_RET2	"X'02" Maps to PELRET2
		.... ...1		NQXP_RD_RET3	"X'01" Maps to PELRET3

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
29	(1D)	CHARACTER	3		Reserved
32	(20)	CHARACTER	8	NQXP_RD_JOBNAME	Requester's Jobname
40	(28)	CHARACTER	8	NQXP_RD_SYSNAME	Requester's Sysname
48	(30)	CHARACTER	8	NQXP_STATEFLAGS (0)	ENQ/DEQ request state flags, these values cannot be changed
48	(30)	BITSTRING	1	NQXP_STATEFLAGS1 (0)	First byte of state flags
		1...		NQXP_SF1_ENQ	"X'80" When 1, request is ENQ/RESERVE, when 0, request is DEQ. If Nqxp_SF1_ISGENQ is set then when 1, ISGENQ REQUEST=OBTAIN or CHANGE, when 0, REQUEST=RELEASE. See Nqxp_SF2_Change to distinguish between ISGENQ REQUEST=OBTAIN and REQUEST=CHANGE.
		.1..		NQXP_SF1_RNLEQNO	"X'40" RNL=NO was specified on the request: a change to the scope or UCB@ by the exit will not be honored
		..1.		NQXP_SF1_AUTHORIZED	"X'20" Caller is authorized
		...1		NQXP_SF1_SHARE	"X'10" For ENQ/RESERVE requests, when 1 request is for shared access, when 0, request is for exclusive access
		.... 1...		NQXP_SF1_MATCHTASK	"X'08" When 1, request specified MASID/MTCB
		.... .1..		NQXP_SF1_STEPMUSTCOMPLETE	"X'04" When 1, ENQ request specified SMC=YES
		.... .1..		NQXP_SF1_RESETMUSTCOMPLETE	"X'04" When 1, DEQ request specified RMC=YES
		.... ..1.		NQXP_SF1_LINKAGE	"X'02" When 1, request is PC entered, When 0, request is SVC entered. As ISGENQ requests are all PC entered, this bit will be 1 for all ISGENQ requests.
		.... ...1		NQXP_SF1_ISGENQ	"X'01" When 1, request is ISGENQ request
49	(31)	BITSTRING	1	NQXP_STATEFLAGS2 (0)	State flags byte two
		1...		NQXP_SF2_ISGENQCONDYES	"X'80" When 1, request is a conditional ISGENQ request (ISGENQ COND=YES)
		..1.		NQXP_SF2_CHANGE	"X'20" When 1, request is a change (i.e. ENQ RET=CHNG or ISGENQ REQUEST=CHANGE).
		...1		NQXP_SF2_TEST_YES	"X'10" When 1, ISGENQ with TEST=YES. When 0, Not ISGENQ with TEST=YES (i.e. TEST=NO if Nqxp_SF1_ISGENQ is set).
		.... 1...		NQXP_SF2_CONTENTIONACT_FAIL	"X'08" When 1, ISGENQ with CONTENTIONACT=FAIL. When 0, not CONTENTIONACT=FAIL (i.e. CONTENTIONACT=WAIT if Nqxp_SF1_ISGENQ is set and Nqxp_SF2_TEST_YES is off).
		.... .1..		NQXP_SF2_ECB	"X'04" When 1, ECB keyword specified (i.e. ISGENQ WAITTYPE=ECB or ENQ with ECB). When 0, No ECB specified (i.e. WAITTYPE=SUSPEND if Nqxp_SF1_ISGENQ is set and Nqxp_SF2_TEST_YES and Nqxp_SF2_CONTENTIONACT_FAIL are off).
		.... ..1.		NQXP_SF2_CHANGETOSHARED	"X'02" When 1, ISGENQ REQUEST=CHANGE specified CONTROL=SHARED. If the request is successful, the requester will be converted from an exclusive owner to a shared owner. Only valid when Nqxp_SF2_Change is 1.
50	(32)	CHARACTER	6		Reserved
56	(38)	CHARACTER	20	NQXP_ORIGINALPARAMETERS (0)	Original parameters specified on the request
56	(38)	CHARACTER	8	NQXP_OP_QNAME	Original request QNAME
64	(40)	ADDRESS	4	NQXP_OP_RNAME@	Pointer to original request RNAME
68	(44)	BITSTRING	1	NQXP_OP_RNAMELEN	Length of original request RNAME. When 0, request is a generic DEQ
69	(45)	BITSTRING	1	NQXP_OP_SCOPE	Original request scope, see Nqxp_kScope values
70	(46)	CHARACTER	2		Reserved
72	(48)	ADDRESS	4	NQXP_OP_UCB@	Pointer to original request UCB (set for RESERVE). Only valid when Nqxp_SF1_ENQ is set
76	(4C)	CHARACTER	4	NQXP_REQUESTFLAGS (0)	

ISGYNQXP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
76	(4C)	BITSTRING	1	NQXP_REQUESTFLAGS1 (0)	Request flags First byte of request flags
		1...		NQXP_RF1_BYPASSRNL	"X'80" When 1, request that RNL processing is to be bypassed
		.1..		NQXP_RF1_CHANGEQNAME	"X'40" When 1, request that the QNAME be changed
		..1.		NQXP_RF1_CHANGERNAME	"X'20" When 1, request that the RNAME be changed
		...1		NQXP_RF1_CHANGESCOPE	"X'10" When 1, request that the Scope be changed
		.... 1...		NQXP_RF1_CHANGEUCB@	"X'08" When 1, request that the UCB address be changed
77	(4D)	CHARACTER	3		Reserved
80	(50)	CHARACTER	4		Reserved
84	(54)	CHARACTER	20	NQXP_CURRENTPARAMETERS (0)	Parameters as changed by the exit routines
84	(54)	CHARACTER	8	NQXP_CP_QNAME	Current request QNAME
92	(5C)	ADDRESS	4	NQXP_CP_RNAME@	Pointer to current request RNAME
96	(60)	BITSTRING	1	NQXP_CP_RNAMELEN	Length of current request RNAME
97	(61)	BITSTRING	1	NQXP_CP_SCOPE	Current request scope, see Nqxp_kScope values
98	(62)	CHARACTER	2		Reserved
100	(64)	ADDRESS	4	NQXP_CP_UCB@	Current request UCB address
104	(68)	CHARACTER	8	NQXP_REQUESTDATA2 (0)	More request data
104	(68)	ADDRESS	4	NQXP_RD_NSI@ (0)	Requester's next sequential instruction address, when ENQ/DEQ ends, this is address of the next instruction in the calling program that will be executed
		1...		NQXP_RD_AMODE31	"X'80" When set, ENQ caller is AMODE 31
108	(6C)	CHARACTER	4		Reserved
112	(70)	ADDRESS	4	NQXP_WORKAREA@	Pointer to a 4K work area, usable by exit routines
116	(74)	CHARACTER	16	NQXP_REQUESTTOKEN	Unique token for this request, all exits driven for this request can be identified by this token
132	(84)	CHARACTER	4		Reserved
136	(88)	CHARACTER	1	NQXP_END (0)	End of NQXP

Comment

NQXP Constants

End of Comment

136	(88)	X'D8E7D7'	0	NQXP_KID	"C'NQXP" Used to identify control block
136	(88)	X'0'	0	NQXP_KVERSION#0	"0" Version 0 - base
136	(88)	X'1'	0	NQXP_KVERSION#1	"1" Version 1 - ISGNQXITFAST support available
136	(88)	X'2'	0	NQXP_KVERSION#2	"2" Version constant - HBB7709
136	(88)	X'3'	0	NQXP_KVERSION#3	"3" Version constant- HBB7750
136	(88)	X'3'	0	NQXP_KCURRENTVERSION	"3" Current version
136	(88)	X'1'	0	NQXP_KSCOPESYSTEM	"1" Scope=System
136	(88)	X'2'	0	NQXP_KSCOPESYSTEMS	"2" Scope=Systems
136	(88)	X'2'	0	NQXP_KSCOPESYSPLEX	"2" Scope=Sysplex
136	(88)	X'0'	0	NQXP_KRETNONE	"0" Ret=None
136	(88)	X'1'	0	NQXP_KRETHAVE	"1" Ret=Have
136	(88)	X'2'	0	NQXP_KRETCHNG	"2" Ret=Chng
136	(88)	X'3'	0	NQXP_KRETUSE	"3" Ret=Use

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
136	(88)	X'7'	0	NQXP_KRETTEST	"7" Ret=Test
136	(88)	X'100'	0	NQXP_KRNAMELEN	"256" Maximum RName length
136	(88)	X'288'	0	NQXP_KLENGTH	"648" Maximum length Nqxp, parameter list and 2 RNames
136	(88)	X'88'	0	NQXP_LEN	"*-NQXP"

ISGYNQXP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NQXP	0			16	
NQXP_CP_QNAME			NQXP_RD_MTCB	18	
	54		NQXP_RD_NSI@	68	
NQXP_CP_RNAME@			NQXP_RD_RET	1C	
	5C		NQXP_RD_RET1	1C	4
NQXP_CP_RNAMELEN			NQXP_RD_RET2	1C	2
	60		NQXP_RD_RET3	1C	1
NQXP_CP_SCOPE			NQXP_RD_SYSNAME		
	61			28	
NQXP_CP_UCB@	64		NQXP_RD_TCB@	C	
NQXP_CURRENTPARAMETERS			NQXP_RD_VOLSER		
	54			10	
NQXP_END	88		NQXP_REQUESTDATA		
NQXP_ID	0			8	
NQXP_KCURRENTVERSION			NQXP_REQUESTDATA2		
	88	3		68	
NQXP_KID	88	D8E7D7	NQXP_REQUESTFLAGS		
NQXP_KLENGTH	88	288		4C	
NQXP_KRETCNG			NQXP_REQUESTFLAGS1		
	88	2		4C	
NQXP_KRETHAVE			NQXP_REQUESTTOKEN		
	88	1		74	
NQXP_KRETNONE			NQXP_RF1_BYPASSRNL		
	88	0		4C	80
NQXP_KRETTEST			NQXP_RF1_CHANGEQNAME		
	88	7		4C	40
NQXP_KRETUSE	88	3	NQXP_RF1_CHANGENAME		
NQXP_KRNAMELEN				4C	20
	88	100	NQXP_RF1_CHANGESCOPE		
NQXP_KSCOPESSYPLEX				4C	10
	88	2	NQXP_RF1_CHANGEUCB@		
NQXP_KSCOPESYSTEM				4C	8
	88	1	NQXP_SF1_AUTHORIZED		
NQXP_KSCOPESYSTEMS				30	20
	88	2	NQXP_SF1_ENQ	30	80
NQXP_KVERSION#0			NQXP_SF1_ISGENQ		
	88	0		30	1
NQXP_KVERSION#1			NQXP_SF1_LINKAGE		
	88	1		30	2
NQXP_KVERSION#2			NQXP_SF1_MATCHTASK		
	88	2		30	8
NQXP_KVERSION#3			NQXP_SF1_RESETMUSTCOMPLETE		
	88	3		30	4
NQXP_LEN	88	88	NQXP_SF1_RNLEQNO		
NQXP_OP_QNAME				30	40
	38		NQXP_SF1_SHARE		
NQXP_OP_RNAME@				30	10
	40		NQXP_SF1_STEPMUSTCOMPLETE		
NQXP_OP_RNAMELEN				30	4
	44		NQXP_SF2_CHANGE		
NQXP_OP_SCOPE				31	20
	45		NQXP_SF2_CHANGETOSHARED		
NQXP_OP_UCB@	48			31	2
NQXP_ORIGINALPARAMETERS			NQXP_SF2_CONTENTIONACT_FAIL		
	38			31	8
NQXP_RD_AMODE31			NQXP_SF2_ECB	31	4
	68	80	NQXP_SF2_ISGENQCONDYES		
NQXP_RD_ASCB@				31	80
	8		NQXP_SF2_TEST_YES		
NQXP_RD_JOBNAME				31	10
	20		NQXP_STATEFLAGS		
NQXP_RD_MASID				30	

ISGYNQXP Cross Reference

Name	Hex Offset	Hex Value
NQXP_STATEFLAGS1	30	
NQXP_STATEFLAGS2	31	
NQXP_VERSION	4	
NQXP_WORKAREA@	70	

ISGYQCBP Information

ISGYQCBP Programming Interface information

Programming Interface information

ISGYQCBP

End of Programming Interface information

ISGYQCBP Heading Information • ISGYQCBP Map

ISGYQCBP Heading Information

Common Name: QCB Destroy Exit Parameter List
Macro ID: ISGYQCBP
DSECT Name: QCBP
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: QCBP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 127 in the GRS private area
 Key: 0
 Residency: Above 16M line
Size: QCBP -- X'0050' bytes
Created by: ISGGNX
Pointed to by: R1 points to the QCBP on entry to the exit routine
Serialization: N/A
Function: The QCBP parameter list describes a resource for which the last requester on this system has been DEQueued. The exit is only called for SCOPE=SYSTEM(S) resources that are not global.

ISGYQCBP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QCBP	
0	(0)	CHARACTER	40	QCBP_BASIC (0)	QCBP Basic Section
0	(0)	CHARACTER	4	QCBP_ID	Eyecatcher
4	(4)	BITSTRING	1	QCBP_VERSION	QCBP version
5	(5)	CHARACTER	3		Reserved
8	(8)	ADDRESS	4	QCBP_RNAME@	Pointer to RName
12	(C)	CHARACTER	14		Reserved
26	(1A)	BITSTRING	1	QCBP_RFLGS (0)	Resource description flags
		1...		QCBP_SYS	"X'80" SCOPE=SYSTEM
		.1..		QCBP_SYSS	"X'40" SCOPE=SYSTEMS
27	(1B)	BITSTRING	1	QCBP_ER_FLAGS (0)	
					***** Exit Caching: The following bits are used to determine if the ISGENDOFLQCB exit should be called again for a particular resource. The protocol for setting these bits is as described: To indicate the EndofLqcb exit should be called you must code: OI Qcbp_ER_Flags,Qcbp_ER_InterestInLQCB+ Qcbp_ER_CallLQCBForThisResource To indicate the EndofLqcb exit should NOT be called you must code: OI Qcbp_ER_Flags,Qcbp_ER_InterestInLQCB Turning on these bits in any other combination other than what is describe will result in a call to the ISGEndoflqcb exit. NOTE: Adding or activating an ISGENDOFLQCB exit will result in the clearing of the GRS Exit Cache. *****
		1...		QCBP_ER_INTERESTINLQCB	"X'80"
		.1..		QCBP_ER_CALLLQCBFORTHISRESOURCE	"X'40"
28	(1C)	SIGNED	2	QCBP_RNAML	RName length
30	(1E)	CHARACTER	2		Reserved
32	(20)	CHARACTER	8	QCBP_QNAME	Resource QName
40	(28)	ADDRESS	4	QCBP_WORKAREA@	Pointer to a 4K work area, usable by exit routines
44	(2C)	CHARACTER	4		Reserved
48	(30)	CHARACTER	32	QCBP_RSCTOKEN	Token unique to this resource pending deletion. Valid for Qcbp_Version of Qcbp_kVersion#2 or higher
80	(50)	CHARACTER	1	QCBP_END (0)	
Comment					
QCBP Constants					
End of Comment					
80	(50)	X'C3C2D7'	0	QCBP_KID	"C'QCBP" Used to identify control block
80	(50)	X'1'	0	QCBP_KVERSION#1	"1" Version - HBB7705
80	(50)	X'2'	0	QCBP_KVERSION#2	"2" Version - HBB7740
80	(50)	X'2'	0	QCBP_KCURRENTVERSION	"2" Current version
80	(50)	X'E0'	0	QCBP_KRFLGSMASK	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
80	(50)	X'150'	0	QCBP_KLENGTH	"224" Mask to remove extraneous data from QCBRFLGS
80	(50)	X'50'	0	QCBP_LEN	"336" Maximum of length Qcbp parameter list "-QCBP"

ISGYQCBP Cross Reference

Name	Hex Offset	Hex Value
QCBP	0	
QCBP_BASIC	0	
QCBP_END	50	
QCBP_ER_CALLQCBFORTHISRESOURCE	1B	40
QCBP_ER_FLAGS	1B	
QCBP_ER_INTERESTINQCB	1B	80
QCBP_ID	0	
QCBP_KCURRENTVERSION	50	2
QCBP_KID	50	C3C2D7
QCBP_KLENGTH	50	150
QCBP_KRFLGSMASK	50	E0
QCBP_KVERSION#1	50	1
QCBP_KVERSION#2	50	2
QCBP_LEN	50	50
QCBP_QNAME	20	
QCBP_RFLGS	1A	
QCBP_RNAME@	8	
QCBP_RNAML	1C	
QCBP_RSCTOKEN	30	
QCBP_SYS	1A	80
QCBP_SYSS	1A	40
QCBP_VERSION	4	
QCBP_WORKAREA@	28	

ISGYQUAA Information

ISGYQUAA Programming Interface information

Programming Interface information

ISGYQUAA

End of Programming Interface information

ISGYQUAA Heading Information

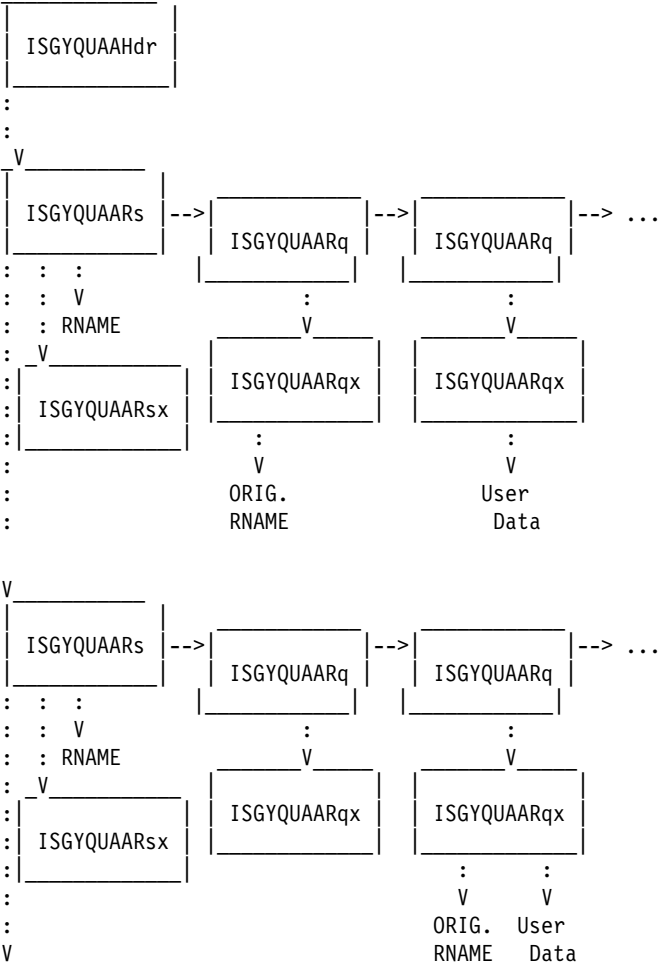
ISGYQUAA Heading Information

Common Name: ISGQUERY Answer Area
Macro ID: ISGYQUAA
DSECT Name: ISGYQUAAHdr
ISGYQUAARs
ISGYQUAARsx
ISGYQUAARq
ISGYQUAARqx
ISGYQUAASys
ISGYQUAASp
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: ISGYQUAA
Offset: X'0000' bytes
Length: X'0008' bytes
Storage Attributes: Subpool: User-supplied
Key: User-supplied
Residency: User-supplied
Size:
Variable
ISGYQUAAHDRBASE -- X'0028' bytes
ISGYQUAARSBASE -- X'0050' bytes
ISGYQUAARSXBASE -- X'0030' bytes
ISGYQUAARQBASE -- X'0040' bytes
ISGYQUAARQXBASE -- X'0068' bytes
ISGYQUAASYSBASE -- X'0028' bytes
ISGYQUAASPBASE -- X'0010' bytes
ISGYQUAARSXFULL2 -- X'0030' bytes
ISGYQUAARQXFULL2 -- X'0088' bytes
ISGYQUAARQXFULL -- X'0068' bytes
ISGYQUAAHDR -- X'0028' bytes
ISGYQUAARS -- X'0050' bytes
ISGYQUAARSX -- X'0030' bytes
ISGYQUAARQ -- X'0040' bytes
ISGYQUAARQX -- X'0088' bytes
ISGYQUAASYS -- X'0028' bytes
ISGYQUAASP -- X'0010' bytes
Created by: Created by user and passed as parameter on ANSAREA keyword
for ISGQUERY macro.
Pointed to by: ANSAREA_ADDR3164 field in ISGQUERY parameter list
Serialization: None required
Function: Maps the data returned by the ISGQUERY macro.

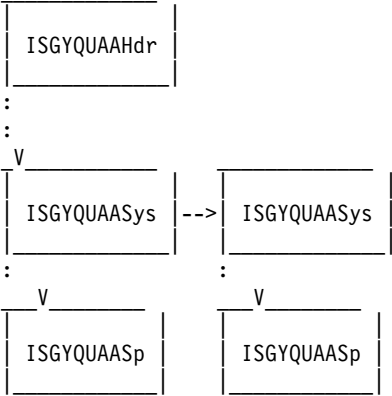
Note: : ***** NOTE: This mapping macro is now obsolete. All ISGQUERY enhancements at HBB7780 and higher are supported by ISGYQUAC. *****

This data represents an unserialized view of system resources. The ISGQUERY returns the ISGYQUAAHdr plus the records for each resource and requesters that match the query request. The answer area written for REQINFO=QSCAN queries is in the following format. ISGYQUAARqx records are only included if ANSDetail=FULLIFULL2IFULL3. ISGYQUAARsx records are only included if ANSDetail=FULL2IFULL3.

Note: Use addresses to locate each record-- the offset to the next record is not guaranteed because the length and order of the records may change.



&ellipsis. The answer area written for REQINFO=ENQSTATS queries is in the following format. Note: Use addresses to locate each record-- the offset to the next record is not guaranteed because the length and order of the records may change. length and order of the records may change.



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ISGYQUAA Map

ISGYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAAHDR	Resource Data Record
0	(0)	CHARACTER	40	ISGYQUAAHDRMAX (0)	The max length map
0	(0)	CHARACTER	8	ISGYQUAAHDRID	
8	(8)	SIGNED	2	ISGYQUAAHDRVERSION	
10	(A)	SIGNED	2	ISGYQUAAHDRREQINFO	
12	(C)	SIGNED	4	ISGYQUAAHDRNUMRECORDS	
16	(10)	ADDRESS	8	ISGYQUAAHDRFIRSTRECORD (0)	
16	(10)	CHARACTER	4		
20	(14)	ADDRESS	4	ISGYQUAAHDRFIRSTRECORD31	
24	(18)	SIGNED	8	ISGYQUAAHDRTOTALLEN (0)	
24	(18)	CHARACTER	4		
28	(1C)	SIGNED	4	ISGYQUAAHDRTOTALLEN31	
32	(20)	CHARACTER	8		

Comment

ISGYQUAAHDR Constants

End of Comment

32	(20)	X'E2C7E8'	0	ISGYQUAAHDR_KID_0TO3	"C'ISGY'" This is the first 4-byte segment of an 8-byte constant.
32	(20)	X'E4C1C1'	0	ISGYQUAAHDR_KID_4TO7	"C'QUAA'" This is the second 4-byte segment of an 8-byte constant.
32	(20)	X'1'	0	ISGYQUAAHDR_KMAXVERSION	"1"
32	(20)	X'1'	0	ISGYQUAAHDR_KHBB7709	"1"
32	(20)	X'1'	0	ISGYQUAAHDR_KVERSION1	"1"
32	(20)	X'1'	0	ISGYQUAAHDR_KREQINFO_QSCAN	"1"
32	(20)	X'2'	0	ISGYQUAAHDR_KREQINFO_ENQSTATS	"2"
32	(20)	X'28'	0	ISGYQUAAHDR_LEN	**-ISGYQUAAHDR"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARS	Resource Data Record
0	(0)	CHARACTER	80	ISGYQUAARSMAX (0)	The max length map
0	(0)	SIGNED	2	ISGYQUAARSVERSION	
2	(2)	BITSTRING	1	ISGYQUAARSFLAGS1 (0)	
		1...		ISGYQUAARSRQSOMITTED	"X'80"
		.1..		ISGYQUAARSRSXVALID	"X'40"
3	(3)	CHARACTER	5		
8	(8)	ADDRESS	8	ISGYQUAARSNEXT (0)	
8	(8)	CHARACTER	4		
12	(C)	ADDRESS	4	ISGYQUAARSNEXT31	
16	(10)	ADDRESS	8	ISGYQUAARSFIRSTRQ (0)	
16	(10)	CHARACTER	4		
20	(14)	ADDRESS	4	ISGYQUAARSFIRSTRQ31	
24	(18)	ADDRESS	8	ISGYQUAARSRNAME (0)	
24	(18)	CHARACTER	4		
28	(1C)	ADDRESS	4	ISGYQUAARSRNAME31	
32	(20)	CHARACTER	8	ISGYQUAARSQNAME	
40	(28)	SIGNED	4	ISGYQUAARSNUMRQ	
44	(2C)	SIGNED	4	ISGYQUAARSOTALRQ	
48	(30)	SIGNED	4	ISGYQUAARSNUMOWNERS	
52	(34)	SIGNED	4	ISGYQUAARSNUMWAITERS	
56	(38)	SIGNED	4	ISGYQUAARSNUMSWAITERS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	SIGNED	4	ISGYQUAARSNUMEUSERS	
64	(40)	SIGNED	4	ISGYQUAARSNUMSUSERS	
68	(44)	SIGNED	2	ISGYQUAARSNAMELEN	
70	(46)	BITSTRING	1	ISGYQUAARSSCOPE	
71	(47)	CHARACTER	1		
72	(48)	ADDRESS	8	ISGYQUAARSRSX (0)	
72	(48)	CHARACTER	4		
76	(4C)	ADDRESS	4	ISGYQUAARSRSX31	

Comment

ISGYQUAARS Constants

End of Comment

76	(4C)	X'2'	0	ISGYQUAARS_KMAXVERSION "2"	
76	(4C)	X'1'	0	ISGYQUAARS_KHBB7709 "1"	
76	(4C)	X'2'	0	ISGYQUAARS_KHBB7740 "2"	
76	(4C)	X'1'	0	ISGYQUAARS_KVERSION1 "1"	
76	(4C)	X'2'	0	ISGYQUAARS_KVERSION2 "2"	
76	(4C)	X'50'	0	ISGYQUAARS_LEN "-ISGYQUAARS"	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARSX	Resource Data Record Ext.
0	(0)	CHARACTER	48	ISGYQUAARSXMAX (0)	The max length map
0	(0)	SIGNED	2	ISGYQUAARSXVERSION	
2	(2)	BITSTRING	1	ISGYQUAARSXFLAGS1 (0)	
		1... ..		ISGYQUAARSXRSTOKENVALID "X'80"	
3	(3)	CHARACTER	1		
4	(4)	CHARACTER	32	ISGYQUAARSXRSTOKEN	
36	(24)	CHARACTER	12		

Comment

ISGYQUAARSx Constants

End of Comment

36	(24)	X'1'	0	ISGYQUAARSX_KMAXVERSION "1"	
36	(24)	X'1'	0	ISGYQUAARSX_KHBB7740 "1"	
36	(24)	X'1'	0	ISGYQUAARSX_KVERSION1 "1"	
36	(24)	X'30'	0	ISGYQUAARSX_LEN "-ISGYQUAARSX"	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARQ	Requester Data Record
0	(0)	CHARACTER	64	ISGYQUAARQMAX (0)	The max length map
0	(0)	SIGNED	2	ISGYQUAARQVERSION	
2	(2)	BITSTRING	1	ISGYQUAARQFLAGS1 (0)	
		1... ..		ISGYQUAARQCONTROL "X'80"	
		.1..		ISGYQUAARQRESERVE	

ISGYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1.		ISGYQUAARQRESERVECONVERTED	"X'40"
		...1		ISGYQUAARQSYNCHRES	"X'20"
		.... 1...		ISGYQUAARQOWNER	"X'10"
		.... .1..		ISGYQUAARQMATU	"X'08"
		.... ..1.		ISGYQUAARQPOSTED	"X'04"
		.... ...1		ISGYQUAARQMISC64VALID	"X'02"
3	(3)	BITSTRING	1	ISGYQUAARQFLAGS2	"X'01"
		1...		(0) ISGYQUAARQRQXVALID	"X'80"
4	(4)	ADDRESS	4	ISGYQUAARQTCB	
8	(8)	ADDRESS	8	ISGYQUAARQNEXT	(0)
8	(8)	CHARACTER	4	ISGYQUAARQNEXT31	
12	(C)	ADDRESS	4	ISGYQUAARQNEXT31	
16	(10)	ADDRESS	8	ISGYQUAARQRQX	(0)
16	(10)	CHARACTER	4	ISGYQUAARQRQX31	
20	(14)	ADDRESS	4	ISGYQUAARQRQX31	
24	(18)	CHARACTER	32	ISGYQUAARQENQTOKEN	
56	(38)	CHARACTER	8		

Comment

ISGYQUAARQ Constants

End of Comment

56	(38)	X'1'	0	ISGYQUAARQ_KMAXVERSION	"1"
56	(38)	X'1'	0	ISGYQUAARQ_KHBB7709	"1"
56	(38)	X'1'	0	ISGYQUAARQ_KVERSION1	"1"
56	(38)	X'40'	0	ISGYQUAARQ_LEN	"*-ISGYQUAARQ"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARQX	Requester Data Record Extension
0	(0)	CHARACTER	136	ISGYQUAARQXMAX	(0) The max len map
0	(0)	CHARACTER	104	ISGYQUAARQXFULL2FULL	(0)
0	(0)	SIGNED	2	ISGYQUAARQXVERSION	
2	(2)	BITSTRING	1	ISGYQUAARQXFLAGS1	(0)
		1...		ISGYQUAARQXNQXITCHANGED	"X'80"
		.1..		ISGYQUAARQXBATCHCHANGED	"X'40"
		..1.		ISGYQUAARQXRNLCHANGED	"X'20"
		...1		ISGYQUAARQXORIGQNAMEVALID	"X'10"
		.... 1...		ISGYQUAARQXORIGRNAMEVALID	"X'08"
		.... .1..		ISGYQUAARQXORIGUCB@VALID	"X'04"
		.... ..1.		ISGYQUAARQXORIGSCOPEVALID	"X'02"
		.... ...1		ISGYQUAARQXSERVICEASIDVALID	"X'01"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
3	(3)	BITSTRING	1	ISGYQUAARQXFLAGS2 (0)	ISGYQUAARQXMUSTCOMPLETE "X'80"
		1...			
		.1..		ISGYQUAARQXAUTHORIZED	"X'40"
		..1.		ISGYQUAARQXALTSEREXTENDED	"X'20"
		...1		ISGYQUAARQXMATCHINGTASK	"X'10"
		.... 1..		ISGYQUAARQXECBREQUEST	"X'08"
		.... .1..		ISGYQUAARQXUSERDATAVALID	"X'04"
		.... ..1.		ISGYQUAARQXUSERDATAOMITTED	"X'02"
4	(4)	CHARACTER	2		
6	(6)	CHARACTER	42	ISGYQUAARQXREQUESTERDATA (0)	
6	(6)	SIGNED	2	ISGYQUAARQXASID	
8	(8)	CHARACTER	8	ISGYQUAARQXSTOKEN	
16	(10)	CHARACTER	16	ISGYQUAARQXTOKEN	
32	(20)	CHARACTER	8	ISGYQUAARQXJOBNAME	
40	(28)	CHARACTER	8	ISGYQUAARQXSYSNAME	
48	(30)	ADDRESS	4	ISGYQUAARQXMTCB	
52	(34)	SIGNED	2	ISGYQUAARQXMASID	
54	(36)	SIGNED	2	ISGYQUAARQXSERVICEASID	
56	(38)	ADDRESS	4	ISGYQUAARQXECB (0)	
56	(38)	ADDRESS	4	ISGYQUAARQXSVRB	
60	(3C)	ADDRESS	4	ISGYQUAARQXUCB	
64	(40)	CHARACTER	4	ISGYQUAARQXDEVICENUM	
68	(44)	CHARACTER	4		
72	(48)	CHARACTER	8	ISGYQUAARQXORIGQNAME	
80	(50)	ADDRESS	8	ISGYQUAARQXORIGRNAME (0)	
80	(50)	CHARACTER	4		
84	(54)	ADDRESS	4	ISGYQUAARQXORIGRNAME31	
88	(58)	ADDRESS	4	ISGYQUAARQXORIGUCB@	
92	(5C)	BITSTRING	1	ISGYQUAARQXORIGRNAMELEN	
93	(5D)	BITSTRING	1	ISGYQUAARQXORIGSCOPE	
94	(5E)	SIGNED	2	ISGYQUAARQXUSERDATALEN	
96	(60)	ADDRESS	8	ISGYQUAARQXUSERDATA (0)	
96	(60)	CHARACTER	4		
100	(64)	ADDRESS	4	ISGYQUAARQXUSERDATA31	
104	(68)	CHARACTER	16	ISGYQUAARQXENQTIME	
120	(78)	CHARACTER	16		

Comment

ISGYQUAARQX Constants

End of Comment

120	(78)	X'2'	0	ISGYQUAARQX_KMAXVERSION "2"	
120	(78)	X'1'	0	ISGYQUAARQX_KHBB7709 "1"	
120	(78)	X'2'	0	ISGYQUAARQX_KHBB7740 "2"	
120	(78)	X'1'	0	ISGYQUAARQX_KVERSION1 "1"	
120	(78)	X'2'	0	ISGYQUAARQX_KVERSION2 "2"	
120	(78)	X'88'	0	ISGYQUAARQX_LEN "-ISGYQUAARQX"	

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAASYS	REQINFO=ENQSTATS system data
0	(0)	CHARACTER	40	ISGYQUAASYSMAX (0)	

ISGYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	SIGNED	2	ISGYQUAASYSVERSION	The max length map
2	(2)	BITSTRING	1	ISGYQUAASYSFLAGS1 (0)	
		1...		ISGYQUAASYSAUTHORIZED	"X'80"
3	(3)	CHARACTER	5		
8	(8)	ADDRESS	8	ISGYQUAASYSNEXT (0)	
8	(8)	CHARACTER	4		
12	(C)	ADDRESS	4	ISGYQUAASYSNEXT31	
16	(10)	ADDRESS	8	ISGYQUAASYS (0)	
16	(10)	CHARACTER	4		
20	(14)	ADDRESS	4	ISGYQUAASYS (0)	
24	(18)	CHARACTER	8	ISGYQUAASYSPEAKENQDATA (0)	
24	(18)	SIGNED	4	ISGYQUAASYSPEAKENQCOUNT	
28	(1C)	SIGNED	2	ISGYQUAASYSPEAKENQASID	
30	(1E)	CHARACTER	2		
32	(20)	SIGNED	4	ISGYQUAASYS (0)	
36	(24)	CHARACTER	4	ISGYQUAASYS (0)	

Comment

ISGYQUAASys Constants

End of Comment

36	(24)	X'1'	0	ISGYQUAASYS_KMAXVERSION	"1"
36	(24)	X'1'	0	ISGYQUAASYS_KHBB7730	"1"
36	(24)	X'1'	0	ISGYQUAASYS_KVERSION1	"1"
36	(24)	X'28'	0	ISGYQUAASYS_LEN	"*-ISGYQUAASYS"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAASP	REQINFO=ENQSTATS address space specific data
0	(0)	CHARACTER	16	ISGYQUAASPMAX (0)	
					The max length map
0	(0)	SIGNED	2	ISGYQUAASPVERSION	
2	(2)	CHARACTER	2		
4	(4)	SIGNED	4	ISGYQUAASPCURRENQCOUNT	
8	(8)	SIGNED	4	ISGYQUAASPPEAKENQCOUNT	
12	(C)	SIGNED	4	ISGYQUAASPENQMAX	

Comment

ISGYQUAASp Constants

End of Comment

12	(C)	X'1'	0	ISGYQUAASP_KMAXVERSION	"1"
12	(C)	X'1'	0	ISGYQUAASP_KHBB7730	"1"
12	(C)	X'1'	0	ISGYQUAASP_KVERSION1	"1"
12	(C)	X'20'	0	ISGYQUAASP_KINITIALLEN	"32" The initial length of ISGYQUAAUserdata
12	(C)	X'10'	0	ISGYQUAASP_LEN	"*-ISGYQUAASP"

ISGYQUAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYQUAAHDR	0		ISGYQUAARQRQXVALID		
ISGYQUAAHDR_KHBB7709	20	1	ISGYQUAARQRQX31	3	80
ISGYQUAAHDR_KID_0TO3	20	E2C7E8	ISGYQUAARQRQX14	14	
ISGYQUAAHDR_KID_4TO7	20	E4C1C1	ISGYQUAARQSYNCHRES	2	10
ISGYQUAAHDR_KMAXVERSION	20	1	ISGYQUAARQTCB	4	
ISGYQUAAHDR_KREQINFO_ENQSTATS	20	2	ISGYQUAARQVERSION	0	
ISGYQUAAHDR_KREQINFO_QSCAN	20	1	ISGYQUAARQX	0	
ISGYQUAAHDR_KVERSION1	20	1	ISGYQUAARQX_KHBB7709	78	1
ISGYQUAAHDR_LEN	20	28	ISGYQUAARQX_KHBB7740	78	2
ISGYQUAAHDRFIRSTRECORD	10		ISGYQUAARQX_KMAXVERSION	78	2
ISGYQUAAHDRFIRSTRECORD31	14		ISGYQUAARQX_KVERSION1	78	1
ISGYQUAAHDRID	0		ISGYQUAARQX_KVERSION2	78	2
ISGYQUAAHDRMAX	0		ISGYQUAARQX_LEN	78	88
ISGYQUAAHDRNUMRECORDS	C		ISGYQUAARQXALTSEREXTENDED	3	20
ISGYQUAAHDRREQINFO	A		ISGYQUAARQXASID	6	
ISGYQUAAHDRTOTALLLEN	18		ISGYQUAARQXAUTHORIZED	3	40
ISGYQUAAHDRTOTALLLEN31	1C		ISGYQUAARQXBATCCHANGED	2	40
ISGYQUAAHDRVERSION	8		ISGYQUAARQXDEVICENUM	40	
ISGYQUAARQ	0		ISGYQUAARQXECB	38	
ISGYQUAARQ_KHBB7709	38	1	ISGYQUAARQXECBREQUEST	3	8
ISGYQUAARQ_KMAXVERSION	38	1	ISGYQUAARQXENQTIME	68	
ISGYQUAARQ_KVERSION1	38	1	ISGYQUAARQXFLAGS1	2	
ISGYQUAARQ_LEN	38	40	ISGYQUAARQXFLAGS2	3	
ISGYQUAARQCONTROL	2	80	ISGYQUAARQXFULL2FULL	0	
ISGYQUAARQENQTOKEN	18		ISGYQUAARQXJOBNAME	20	
ISGYQUAARQFLAGS1	2		ISGYQUAARQXMASID	34	
ISGYQUAARQFLAGS2	3		ISGYQUAARQXMATCHINGTASK	3	10
ISGYQUAARQMATU	2	4	ISGYQUAARQXMAX	0	
ISGYQUAARQMAX	0		ISGYQUAARQXMTCB	30	
ISGYQUAARQMISC64VALID	2	1	ISGYQUAARQXMUSTCOMPLETE	3	80
ISGYQUAARQNEXT	8		ISGYQUAARQXNQXITCHANGED	2	80
ISGYQUAARQNEXT31	C		ISGYQUAARQXORIGQNAME	48	
ISGYQUAARQOWNER	2	8	ISGYQUAARQXORIGQNAMEVALID	2	10
ISGYQUAARQPOSTED	2	2	ISGYQUAARQXORIGRNAME	50	
ISGYQUAARQRESERVE	2	40	ISGYQUAARQXORIGRNAMELEN	5C	
ISGYQUAARQRESERVECONVERTED	2	20	ISGYQUAARQXORIGRNAMEVALID	2	8
ISGYQUAARQRQX	10		ISGYQUAARQXORIGRNAME31	54	
			ISGYQUAARQXORIGSCOPE		

ISGYQUAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYQUAARQXORIGSCOPEVALID	5D		ISGYQUAARSQNAME		
	2	2		20	
ISGYQUAARQXORIGUCB@	58		ISGYQUAARSRNAME		
	2	4		18	
ISGYQUAARQXORIGUCB@VALID	6		ISGYQUAARSRNAMELEN		
	2	4		44	
ISGYQUAARQXREQUESTERDATA	6		ISGYQUAARSRNAME31		
	2	20		1C	
ISGYQUAARQXRNLCHANGED	36		ISGYQUAARSRQSOMMITTED		
	2	1		2	80
ISGYQUAARQXSERVICEASID	8		ISGYQUAARSRSX		
	38			48	
ISGYQUAARQXSERVICEASIDVALID	28		ISGYQUAARSRSXVALID		
	2	1		2	40
ISGYQUAARQXSTOKEN	8		ISGYQUAARSRSX31		
	8			4C	
ISGYQUAARQXSVRB	38		ISGYQUAARSSCOPE		
	28			46	
ISGYQUAARQXTOKEN	10		ISGYQUAARSTOTALRQ		
	10			2C	
ISGYQUAARQXUCB	3C		ISGYQUAARSVERSION		
	60			0	
ISGYQUAARQXUSERDATA	5E		ISGYQUAARSX		
	3	2		0	
ISGYQUAARQXUSERDATALEN	3	4	ISGYQUAARSX_KHBB7740		
	3	4		24	1
ISGYQUAARQXUSERDATA31	64		ISGYQUAARSX_KMAXVERSION		
	64			24	1
ISGYQUAARQXVERSION	0		ISGYQUAARSX_KVERSION1		
	0			24	1
ISGYQUAARS	4C	1	ISGYQUAARSX_LEN		
ISGYQUAARS_KHBB7709	4C	2		24	30
	4C	2	ISGYQUAARSXFLAGS1		
ISGYQUAARS_KMAXVERSION	4C	2		2	
	4C	2	ISGYQUAARSXMAX		
ISGYQUAARS_KVERSION1	4C	1		0	
	4C	1	ISGYQUAARSXRSCTOKEN		
ISGYQUAARS_KVERSION2	4C	2		4	
	4C	2	ISGYQUAARSXRSCTOKENVALID		
ISGYQUAARS_LEN	4C	50		2	80
	4C	50	ISGYQUAARSXVERSION		
ISGYQUAARSFIRSTRQ	10			0	
	10		ISGYQUAASP		
ISGYQUAARSFIRSTRQ31	14			0	
	14		ISGYQUAASP_KHBB7730		
ISGYQUAARSFLAGS1	2			C	1
	2		ISGYQUAASP_KMAXVERSION		
ISGYQUAARSMAX	0			C	1
	0		ISGYQUAASP_KVERSION1		
ISGYQUAARSNEXT	8			C	1
	8		ISGYQUAASP_LEN		
ISGYQUAARSNEXT31	C			C	10
	C		ISGYQUAASPCURRENQCOUNT		
ISGYQUAARSNUMEUSERS	3C			4	
	3C		ISGYQUAASPENQMAX		
ISGYQUAARSNUMEWAITERS	34			C	
	34		ISGYQUAASPMAX		
ISGYQUAARSNUMOWNERS	30			0	
	30		ISGYQUAASPPEAKENQCOUNT		
ISGYQUAARSNUMRQ	28			8	
	28		ISGYQUAASPVERSION		
ISGYQUAARSNUMSUSERS	40			0	
	40		ISGYQUAASYS		
ISGYQUAARSNUMSWAITERS	38			0	
	38		ISGYQUAASYS_KHBB7730		
	38			24	1
	38		ISGYQUAASYS_KMAXVERSION		
	38			24	1
	38		ISGYQUAASYS_KVERSION1		
	38			24	1
	38		ISGYQUAASYS_LEN		
	38			24	28
	38		ISGYQUAASYSAUTHORIZED		
	38			2	80
	38		ISGYQUAASYSLENQMAX		
	38			20	
	38		ISGYQUAASYSFLAGS1		

Name	Hex Offset	Hex Value
	2	
ISGYQUAAASYSMAX		
	0	
ISGYQUAAASYSNEXT		
	8	
ISGYQUAAASYSNEXT31		
	C	
ISGYQUAAASYSPAKENQASID		
	1C	
ISGYQUAAASYSPAKENQCOUNT		
	18	
ISGYQUAAASYSPAKENQDATA		
	18	
ISGYQUAAASYSSP		
	10	
ISGYQUAAASYSSP31		
	14	
ISGYQUAAASYVERSION		
	0	
ISGYQUAAUSERDATA_KINITIALLEN		
	C	20

ISGYQUAC Information

ISGYQUAC Programming Interface information

Programming Interface information

ISGYQUAC

End of Programming Interface information

ISGYQUAC Heading Information

ISGYQUAC Heading Information

Common Name: ISGQUERY Answer area, Compatibility remap
Macro ID: ISGYQUAC
DSECT Name: ISGYQUAAHdr ISGYQUAARs ISGYQUAARsx ISGYQUAARq ISGYQUAARqx ISGYQUAASys ISGYQUAASp IsgyQuaaLd IsgyQuaaLrd IsgyQuaaHdrUs IsgyQuaaUs
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: ISGYQUAA
 Offset: X'0000' bytes
 Length: X'0008' bytes
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: Variable (and can expand in higher versions)
 ISGYQUAAHDR -- X'0058' bytes
 ISGYQUAARS -- X'0050' bytes
 ISGYQUAARSX -- X'0030' bytes
 ISGYQUAARQ -- X'0040' bytes
 ISGYQUAARQX -- X'0088' bytes
 ISGYQUAASYS -- X'0028' bytes
 ISGYQUAASP -- X'0010' bytes
 ISGYQUAALD -- X'0090' bytes
 ISGYQUAALRD -- X'0048' bytes
 ISGYQUAAHDRUS -- X'0060' bytes
 ISGYQUAAUS -- X'0148' bytes
Created by: Created by user and passed as parameter on ANSAREA keyword for ISGQUERY macro.
Pointed to by: ANSAREA_ADDR3164 field in ISGQUERY parameter list
Serialization: None required
Function:

Maps the data returned by the ISGQUERY macro. This data represents an unserialized view of system resources. The ISGQUERY returns the ISGYQUAAHdr plus the records for each resource and requesters that match the query request. The answer area was originally mapped by ISGYQUAA but has been remapped here due to compatibility issues with reversioning. The fields here still begin with ISGYQUAA to minimize rework. The following structures may expand in size with reversioning: ISGYQUAAHdr, ISGYQUAARs, ISGYQUAARsx, ISGYQUAARq, ISGYQUAARqx, ISGYQUAASys, ISGYQUAASp, ISGYQUAALd, ISGYQUAALrd, ISGYQUAAHdrUs, ISGYQUAAUs. Constants are available for the minimum answer area sizes and for specific versions of blocks to avoid data expansions if desired. Note: Use addresses to locate each record-- the offset to the next record is not guaranteed because the length and order of the records may change. The answer area written for REQINFO=QSCAN queries is in the following format. ISGYQUAARqx records are only included if ANSDetail=FULL2IFULL3. ISGYQUAARsx records are only included if ANSDetail=FULL2IFULL3. ISGYQUAARqxV2 fields are only included if ANSDetail=FULL2IFULL3.

```

_____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
_V_____ | _____ | _____ | ISGYQUAARs |-->| _____ | _____ | _____ | _____ | _____ | _____ |
|_____ | | ISGYQUAARq | | ISGYQUAARq | : : : |_____ | _____ | : : V _____ | _____ |
: : : RNAME _____ V _____ V _____ : _V_____ | _____ | | _____ | : | _____ | |
ISGYQUAARqx | | ISGYQUAARqx | : | ISGYQUAARsx | |_____ | _____ | : |_____ | _____ |
: : _____ V _____ V : _____ ORIG. _____ User : _____ RNAME _____ Data
V_____ | _____ | _____ | ISGYQUAARs |-->| _____ | _____ | _____ | _____ |
|_____ | | ISGYQUAARq | | ISGYQUAARq | : : : |_____ | _____ | : : V _____ | _____ |
: : : RNAME _____ V _____ V _____ : _V_____ | _____ | | _____ | : | _____ | |
ISGYQUAARqx | | ISGYQUAARqx | : | ISGYQUAARsx | |_____ | _____ | : |_____ | _____ |
: : : _____ V _____ V : _____ ORIG. User V _____ RNAME _____ Data

```

&ellipsis. The answer area written for REQINFO=ENQSTATS queries is in the following format. Note: Use addresses to locate each record-- the offset to the next record is not guaranteed because the length and order of the records may change.

```

_____ | _____ | ISGYQUAAHdr | | _____ | : : _V_____ | _____ | _____ | _____ |
| | ISGYQUAASys |-->| ISGYQUAASys | |_____ | _____ | : _____ | _____ | _____ | _____ |
__V_____ | _____ | | _____ | | ISGYQUAASp | | ISGYQUAASp | |_____ | _____ | _____ | _____ |
The answer area written for REQINFO=LATCHECA queries is in the following format. Note: Use addresses to locate each record-- the offset to the next record is not guaranteed because the length and order of the records may change. _____ |
| | ISGYQUAAHdr | |_____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
+----->| ISGYLID_Entry | _V_____ : _____ | _____ | _____ | _____ | _____ | _____ | _____ |
|-----+ |_____ | + _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
| | _____ | : _____ +-->| ISGYQUAALrd | | ISGYQUAALrd | : _____ | _____ | _____ | _____ | _____ |
_V_____ | _____ | | ISGYQUAALd |-----+ |_____ | + _____ | _____ | _____ | _____ | _____ |
_____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
_____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

```

&ellipsis. The answer area written for REQINFO=USAGESTATS queries is in the

following format. Note: Use addresses to locate each record-- the offset to the next record is not guaranteed because the length and order of the records may change. _____ | _____ | ISGYQUAAHdrUs | _____ | : : : :
 : +-----+ : : _V_____ _V_____ | _____ | ISGYQUAAUs | ISGYQUAAUs |
 | _____ | | _____ | : : _V_____ | _____ | ISGYQUAAUs | | _____ | : : V &ellipsis.

ISGYQUAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAAHDR	Header Section
0	(0)	CHARACTER	40	ISGYQUAAHDRV1 (0)	
0	(0)	CHARACTER	8	ISGYQUAAHDRID	ISGYQUAA eyecatcher
8	(8)	SIGNED	2	ISGYQUAAHDRVERSION	Header version
10	(A)	SIGNED	2	ISGYQUAAHDRREQINFO	The REQINFO of the request
12	(C)	SIGNED	4	ISGYQUAAHDRNUMRECORDS	Number of ISGYQUAARs or ISGYQUAASys records returned
16	(10)	ADDRESS	8	ISGYQUAAHDRFIRSTRECORD (0)	Addr of first data record
16	(10)	CHARACTER	4		First word of 64-bit field
20	(14)	ADDRESS	4	ISGYQUAAHDRFIRSTRECORD31	Value of ISGYQUAAHDRFirstRecord for AMODE 31 callers
24	(18)	SIGNED	8	ISGYQUAAHDRTOTALLEN (0)	Total Answer Area length of the header and all the data records returned
24	(18)	CHARACTER	4		First word of 64-bit field
28	(1C)	SIGNED	4	ISGYQUAAHDRTOTALLEN31	Value of ISGYQUAAHDRTotalLen for AMODE 31 callers
32	(20)	CHARACTER	8		Reserved
40	(28)	CHARACTER	48	ISGYQUAAHDRV2 (0)	
40	(28)	ADDRESS	8	ISGYQUAAHDRV2LASTRECORD (0)	Addr of last data record
40	(28)	CHARACTER	4		First word of 64-bit field
44	(2C)	ADDRESS	4	ISGYQUAAHDRV2LASTRECORD31	Value of ISGYQUAAHDRV2LastRecord for AMODE 31 callers
48	(30)	CHARACTER	16	ISGYQUAAHDRV2STARTTIME	STCKE taken when this data collection started
64	(40)	CHARACTER	16	ISGYQUAAHDRV2ENDTIME	STCKE taken when this data collection finished
80	(50)	BITSTRING	1	ISGYQUAAHDRV2FLAGS1 (0)	First Flags byte
		.1..		ISGYQUAAHDRV2WAITER	"X'40" Indicates if this represents a waiter request
81	(51)	CHARACTER	7		Reserved

Comment

ISGYQUAAHDR Constants

End of Comment

81	(51)	X'E2C7E8'	0	ISGYQUAAHDR_KID_0TO3	"C'ISGY" This is the first 4-byte segment of an 8-byte constant.
81	(51)	X'E4C1C1'	0	ISGYQUAAHDR_KID_4TO7	"C'QUAA" This is the second 4-byte segment of an 8-byte constant.
81	(51)	X'2'	0	ISGYQUAAHDR_KMAXVERSION	"2"
81	(51)	X'2'	0	ISGYQUAAHDR_KHBB7780	"2"
81	(51)	X'1'	0	ISGYQUAAHDR_KHBB7709	"1"
81	(51)	X'1'	0	ISGYQUAAHDR_KVERSION1	"1"
81	(51)	X'2'	0	ISGYQUAAHDR_KVERSION2	"2"
81	(51)	X'1'	0	ISGYQUAAHDR_KREQINFO_QSCAN	"1"
81	(51)	X'2'	0	ISGYQUAAHDR_KREQINFO_ENQSTATS	

ISGYQUAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
81	(51)	X'3'	0	ISGYQUAAHDR_KREQINFO_LATCHECA	"2"
81	(51)	X'28'	0	ISGYQUAAHDRV1_KLEN	"3"
81	(51)	X'30'	0	ISGYQUAAHDRV2_KPARTIALLEN	"40"
81	(51)	X'58'	0	ISGYQUAAHDRV2_KLEN	"48"
81	(51)	X'58'	0	ISGYQUAAHDRMAX_KLEN	"88"
81	(51)	X'58'	0	ISGYQUAAHDR_LEN	"88"
					** -ISGYQUAAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAAHDRUS	Usage Statistics Header
0	(0)	CHARACTER	96	ISGYQUAAHDRUSV1 (0)	
0	(0)	CHARACTER	8	ISGYQUAAHDRUSID	ISGYQUAA eyecatcher
8	(8)	SIGNED	2	ISGYQUAAHDRUSVERSION	Header version
10	(A)	SIGNED	2	ISGYQUAAHDRUSREQINFO	The REQINFO of the request
12	(C)	SIGNED	4	ISGYQUAAHDRUSNUMASRECORDS	Number of ISGYQUAAUs records returned for active address spaces
16	(10)	ADDRESS	8	ISGYQUAAHDRUSFIRSTASRECORD (0)	Addr of first address space data record
16	(10)	CHARACTER	4		First word of 64-bit field
20	(14)	ADDRESS	4	ISGYQUAAHDRUSFIRSTASRECORD31	Value of ISGYQUAAHDRUsFirstAsRecord for AMODE 31 callers
24	(18)	SIGNED	8	ISGYQUAAHDRUSTOTALLEN (0)	Total Answer Area length of the header and all the data records returned
24	(18)	CHARACTER	4		First word of 64-bit field
28	(1C)	SIGNED	4	ISGYQUAAHDRUSTOTALLEN31	Value of ISGYQUAAHDRTotalLen for AMODE 31 callers
32	(20)	ADDRESS	8	ISGYQUAAHDRUSTERMINATEDSPACESRECORD (0)	Addr of the Terminated Spaces Record
32	(20)	CHARACTER	4		First word of 64-bit field
36	(24)	ADDRESS	4	ISGYQUAAHDRUSTERMINATEDSPACESRECORD31	Value of ISGYQUAAHDRUsTerminatedSpacesRecord for AMODE 31 callers
40	(28)	CHARACTER	24		Reserved for future use
64	(40)	CHARACTER	16	ISGYQUAAHDRUSSTARTTIME	STCKE taken when this data collection started
80	(50)	CHARACTER	16	ISGYQUAAHDRUSENDTIME	STCKE taken when this data collection finished

Comment

ISGYQUAAHDRUS Constants

End of Comment

80	(50)	X'E2C7E8'	0	ISGYQUAAHDRUS_KID_0TO3	"C'ISGY'" This is the first 4-byte segment of an 8-byte constant.
80	(50)	X'E4C1C1'	0	ISGYQUAAHDRUS_KID_4TO7	"C'QUAA'" This is the second 4-byte segment of an 8-byte constant.
80	(50)	X'1'	0	ISGYQUAAHDRUS_KMAXVERSION	"1"
80	(50)	X'1'	0	ISGYQUAAHDRUS_KHBB7780	"1"
80	(50)	X'1'	0	ISGYQUAAHDRUS_KVERSION1	"1"
80	(50)	X'4'	0	ISGYQUAAHDRUS_KREQINFO_USAGESTATS	"4"
80	(50)	X'60'	0	ISGYQUAAHDRUSV1_KLEN	"96"
80	(50)	X'60'	0	ISGYQUAAHDRUSMAX_KLEN	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	X'60'	0	ISGYQUAAHDRUS_LEN	"96" "-ISGYQUAAHDRUS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARS	Resource Data Record
0	(0)	CHARACTER	80	ISGYQUAARSV1 (0)	
0	(0)	SIGNED	2	ISGYQUAARSVERSION	ISGYQUAARs version
2	(2)	BITSTRING	1	ISGYQUAARSFLAGS1 (0)	First Flags byte
		1...		ISGYQUAARSRQSOMITTED	"X'80" Indicates if RQs were left out because of insufficient Answer Area Space
		.1..		ISGYQUAARSRSXVALID	"X'40" Indicates that the ISGYQUAARsRxx field is valid
3	(3)	CHARACTER	5		Reserved
8	(8)	ADDRESS	8	ISGYQUAARSNEXT (0)	Address of next RS record returned
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYQUAARSNEXT31	Value of ISGYQUAARsNext for AMODE 31 callers
16	(10)	ADDRESS	8	ISGYQUAARSFIRSTRQ (0)	Addr of first QReq address
16	(10)	CHARACTER	4		First word of 64-bit field
20	(14)	ADDRESS	4	ISGYQUAARSFIRSTRQ31	Value of ISGYQUAARsFirstRq for AMODE 31 callers
24	(18)	ADDRESS	8	ISGYQUAARSRNAME (0)	Address of final Rname for the resource
24	(18)	CHARACTER	4		First word of 64-bit field
28	(1C)	ADDRESS	4	ISGYQUAARSRNAME31	Value of ISGYQUAARsRName for AMODE 31 callers
32	(20)	CHARACTER	8	ISGYQUAARSQNAME	Final QName of the resource
40	(28)	SIGNED	4	ISGYQUAARSNUMRQ	Number of Requester records returned for this Resource
44	(2C)	SIGNED	4	ISGYQUAARSTOTALRQ	

ISGYQUAC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Total number of matching requesters associated with this resource. Check ISGYQUAARsRQsOmitted to see if some RQs were not included because of insufficient answer area space. If this number differs from ISGYQUAARsNumRq and ISGYQUAARsRQsOmitted is off then not all matching requester information was returned for this resource because the number exceeded the Requester Limit. To obtain a count of all requesters for this resource (matching and not), add ISGYQUAARsNumOwners, ISGYQUAARsNumEWaiters, ISGYQUAARsNumSWaiters, ISGYQUAARsNumEUsers, and ISGYQUAARsNumSUsers. Note: If SERIALIZEBY=ENQ_ONLY or SERIALIZEBY_RESERVE was specified on the query, then the counts only reflect requests that match the SERIALIZEBY filter.
48	(30)	SIGNED	4	ISGYQUAARSNUMOWNERS	Number of matching requesters that own this resource. This number does not include owners that have control of the resource by a MASID request. Note: If SERIALIZEBY=ENQ_ONLY or SERIALIZEBY_RESERVE was specified on the query, then the counts only reflect requests that match the SERIALIZEBY filter.
52	(34)	SIGNED	4	ISGYQUAARSNUMEWAITERS	Number of requesters waiting for exclusive control of this resource Note: If SERIALIZEBY=ENQ_ONLY or SERIALIZEBY_RESERVE was specified on the query, then the counts only reflect requests that match the SERIALIZEBY filter.
56	(38)	SIGNED	4	ISGYQUAARSNUMSWAITERS	Number of requesters waiting for shared control of this resource. Note: If SERIALIZEBY=ENQ_ONLY or SERIALIZEBY_RESERVE was specified on the query, then the counts only reflect requests that match the SERIALIZEBY filter.
60	(3C)	SIGNED	4	ISGYQUAARSNUMEUSERS	Number of MASID requests that have exclusive control of this resource. Note: If SERIALIZEBY=ENQ_ONLY or SERIALIZEBY_RESERVE was specified on the query, then the counts only reflect requests that match the SERIALIZEBY filter.
64	(40)	SIGNED	4	ISGYQUAARSNUMSUSERS	Number of MASID requests that have shared control of this resource. Note: If SERIALIZEBY=ENQ_ONLY or SERIALIZEBY_RESERVE was specified on the query, then the counts only reflect requests that match the SERIALIZEBY filter.
68	(44)	SIGNED	2	ISGYQUAARSNAMELEN	Length of resource RName
70	(46)	BITSTRING	1	ISGYQUAARSSCOPE	Final scope of resource. One of either ISGYQUAA_kSTEP, ISGYQUAA_kSYSTEM, or ISGYQUAA_kSYSPLEX
71	(47)	CHARACTER	1		Reserved
72	(48)	ADDRESS	8	ISGYQUAARSRSX (0)	Address of resource record extension. Valid only if ISGYQUAARsRsxValid is set.
72	(48)	CHARACTER	4		First word of 64-bit field
76	(4C)	ADDRESS	4	ISGYQUAARSRSX31	Value of ISGYQUAARsRsx for AMODE 31 callers

Comment

ISGYQUAARS Constants

End of Comment

76	(4C)	X'2'	0	ISGYQUAARS_KMAXVERSION	"2"
76	(4C)	X'1'	0	ISGYQUAARS_KHBB7709	"1"
76	(4C)	X'2'	0	ISGYQUAARS_KHBB7740	"2"
76	(4C)	X'1'	0	ISGYQUAARS_KVERSION1	"1"
76	(4C)	X'2'	0	ISGYQUAARS_KVERSION2	"2"
76	(4C)	X'50'	0	ISGYQUAARSV1_KLEN	"80"
76	(4C)	X'50'	0	ISGYQUAARSMAX_KLEN	"80"
76	(4C)	X'50'	0	ISGYQUAARS_LEN	**_ISGYQUAARS"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARSX	Resource extension

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	48	ISGYQUAARSXV1 (0)	
0	(0)	SIGNED	2	ISGYQUAARSXVERSION	ISGYQUAARSx version
2	(2)	BITSTRING	1	ISGYQUAARSXFLAGS1 (0)	Flags byte
		1...		ISGYQUAARSXRSTOKENVALID	"X'80" Indicates that the ISGYQUAARSxRscToken is valid. Currently, for Star mode globals the token is only valid for resources for which the local system has interest. Ring mode globals and all locals will always have a valid token
3	(3)	CHARACTER	1		Reserved
4	(4)	CHARACTER	32	ISGYQUAARSXRSTOKEN	This token can be used to identify an instance of the resource identified by ISGYQUAARs. The token represents the local systems view of the resource and expires when no requests for the resource remain. Additionally, in Star mode the token expires when the local system no longer has interest in (i.e. requests for) the resource. Only valid if ISGYQUAARSxRscTokenValid is on.
36	(24)	CHARACTER	12		Reserved

Comment

ISGYQUAARSx Constants

End of Comment

36	(24)	X'1'	0	ISGYQUAARSX_KMAXVERSION	"1"
36	(24)	X'1'	0	ISGYQUAARSX_KHBB7740	"1"
36	(24)	X'1'	0	ISGYQUAARSX_KVERSION1	"1"
36	(24)	X'30'	0	ISGYQUAARSXV1_KLEN	"48"
36	(24)	X'30'	0	ISGYQUAARSXMAX_KLEN	"48"
36	(24)	X'30'	0	ISGYQUAARSX_LEN	** -ISGYQUAARSX"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARQ	Requester Data Record
0	(0)	CHARACTER	64	ISGYQUAARQV1 (0)	
0	(0)	SIGNED	2	ISGYQUAARQVERSION	ISGYQUAARQ version
2	(2)	BITSTRING	1	ISGYQUAARQFLAGS1 (0)	First flags byte
		1...		ISGYQUAARQCONTROL	"X'80" Type of serialization for request, where 0 = exclusive control and 1 = shared control
		.1..		ISGYQUAARQRESERVE	"X'40" Request specified (or was changed by a dynamic exit) to obtain a device reserve. The device is known to be reserved when ISGYQUAARqReserveConverted is off and ISGYQUAARqSynchRes and ISGYQUAARqPosted are on and one of the following two conditions are true. 1) The request originated from the local system 2) Global Resource Serialization is operating in Star mode. The device will be setup to be reserved on the first I/O (which may have completed) if ISGYQUAARqReserveConverted is off, ISGYQUAARqSynchRes is off, and ISGYQUAARqPosted is on.
		..1.		ISGYQUAARQRESERVECONVERTED	"X'20" Request specified to obtain a device reserve, but request was converted to a global (SYSTEMS) ENQ
		...1		ISGYQUAARQSYNCHRES	"X'10" Request specified to obtain a device reserve, the device was already reserved by the same system image or it was committed to being done synchronously (SYNCHRES). Only valid if ISGYQUAARqMisc64Valid is set.
		.... 1...		ISGYQUAARQOWNER	

ISGYQUAC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		ISGYQUAARQMATU	"X'08" Requester is an owner of the resource. If the requester is not an owner, and also not a Matching task user (See ISGYQUAARqMATU) then the requester is a waiter. Note that if a non-converted reserve (ISGYQUAARqReserve is on and ISGYQUAARqReserveConverted is off) then see ISGYQUAARqSynchRes to determine the state of the reserve processing.
		.... ..1.		ISGYQUAARQPOSTED	"X'04" Matching task use indicator. Requester is using the resource as the result of a MASID/MTCB request
		.... ...1		ISGYQUAARQMISC64VALID	"X'02" The requester has been informed that the request has completed. The ECB has been posted or the requester's suspended TCB RB has been posted. Note that in Ring mode, when the request originated on another system and ISGYQUAARqSynchRes is on, the requester may be waiting for synchronous reserve processing to complete.
3	(3)	BITSTRING	1	ISGYQUAARQFLAGS2 (0)	"X'01" In some cases not all the information is available from remote systems. This bit indicates that the following fields are valid: ISGYQUAARQEnqToken and ISGYQUAARQSynchRes. Also, when this bit and the ISGYQUAARqRqxValid bit is on, the following fields are valid: ISGYQUAARqxAItSerExtended, ISGYQUAARqxBatchChanged, ISGYQUAARqxBatchTime, ISGYQUAARqxBatchRNLChanged, ISGYQUAARqxBatchOrigQNameValid, ISGYQUAARqxBatchOrigUCB, ISGYQUAARqxBatchSToken, ISGYQUAARqxBatchTToken, ISGYQUAARqxBatchUserDataValid, and ISGYQUAARqxBatchUserDataOmitted
		1...		ISGYQUAARQRQXVALID	Second flags byte
4	(4)	ADDRESS	4	ISGYQUAARQTCB	"X'80" Indicates that the ISGYQUAARqRQX field is valid
8	(8)	ADDRESS	8	ISGYQUAARQNEXT (0)	TCB address of requester
8	(8)	CHARACTER	4	ISGYQUAARQNEXT31	Address of next requester record returned
12	(C)	ADDRESS	4	ISGYQUAARQNEXT31	First word of 64-bit field
16	(10)	ADDRESS	8	ISGYQUAARQRQX (0)	Value of ISGYQUAARqNext for AMODE 31 callers
16	(10)	CHARACTER	4	ISGYQUAARQRQX31	Address of requester record extension. Valid only if ISGYQUAARqRQXValid is set.
20	(14)	ADDRESS	4	ISGYQUAARQRQX31	First word of 64-bit field
24	(18)	CHARACTER	32	ISGYQUAARQENQTOKEN	Value of ISGYQUAARqRQX for AMODE 31 callers
56	(38)	CHARACTER	8	ISGYQUAARQENQTOKEN	ENQToken that represents this request. Only valid if ISGYQUAARqMisc64Valid is set.
					Reserved

Comment

ISGYQUAARQ Constants

End of Comment

56	(38)	X'1'	0	ISGYQUAARQ_KMAXVERSION	"1"
56	(38)	X'1'	0	ISGYQUAARQ_KHBB7709	"1"
56	(38)	X'1'	0	ISGYQUAARQ_KVERSION1	"1"
56	(38)	X'40'	0	ISGYQUAARQV1_KLEN	"64"
56	(38)	X'40'	0	ISGYQUAARQMAX_KLEN	"64"
56	(38)	X'40'	0	ISGYQUAARQ_LEN	**_ISGYQUAARQ"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAARQX	Rqx of ANSDetail=FULL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	104	ISGYQUAARQXV1 (0)	
0	(0)	SIGNED	2	ISGYQUAARQXVERSION	ISGYQUAARQX version
2	(2)	BITSTRING	1	ISGYQUAARQXFLAGS1 (0)	Flags byte
		1...		ISGYQUAARQXNQXITCHANGED	"X'80" Indicates that the request was modified by an ENQ exit. ISGNQXIT or ISGNQXITFAST Only valid if ISGYQUAARqMisc64Valid is set.
		.1..		ISGYQUAARQXBATCHCHANGED	"X'40" Indicates that the request was modified by a batch exit. ISGNQXITBATCH, ISGNQXITPREBATCH, or ISGNQXITBATCHCND. Only valid if ISGYQUAARqMisc64Valid is set.
		..1.		ISGYQUAARQXRNLCHANGED	"X'20" Indicates that the scope was modified by the RNLs Only valid if ISGYQUAARqMisc64Valid is set.
		...1		ISGYQUAARQXORIGQNAMEVALID	"X'10" Indicates that the ISGYQUAARqxOrigQName field is valid. If off then the original QName is the same as the final. This bit is only valid if ISGYQUAARqMisc64Valid is set.
		.... 1..		ISGYQUAARQXORIGRNAMEVALID	"X'08" Indicates that the ISGYQUAARqxOrigRName field is valid. If off then the original RName is the same as the final. This bit is only valid if ISGYQUAARqMisc64Valid is set.
		.... .1..		ISGYQUAARQXORIGUCB@VALID	"X'04" Indicates that the ISGYQUAARqxOrigUCB field is valid. If off then the original UCB@ is the same as the final. This bit is only valid if ISGYQUAARqMisc64Valid is set.
		.... ..1.		ISGYQUAARQXORIGSCOPEVALID	"X'02" Indicates that the ISGYQUAARqxOrigScope field is valid. If off then the original scope is the same as the final. This bit is only valid if ISGYQUAARqMisc64Valid is set.
		.... ...1		ISGYQUAARQXSERVICEASIDVALID	"X'01" ISGYQUAARqxServiceAsid field is valid
3	(3)	BITSTRING	1	ISGYQUAARQXFLAGS2 (0)	Second flags byte
		1...		ISGYQUAARQXMUSTCOMPLETE	"X'80" Request set must complete
		.1..		ISGYQUAARQXAUTHORIZED	"X'40" Requester was authorized
		..1.		ISGYQUAARQXALTSEREXTENDED	"X'20" This request is being managed by an alternate serialization product at the global level. This bit is only valid if ISGYQUAARqMisc64Valid is set.
		...1		ISGYQUAARQXMATCHINGTASK	"X'10" This is a matching task (MTCB/MASID) request. ISGYQUAARqxMTcb and ISGYQUAARqxMASid contain the TCB and ASID of the matching task
		.... 1..		ISGYQUAARQXECBREQUEST	"X'08" ECB was specified on ENQ request
		.... .1..		ISGYQUAARQXUSERDATAVALID	"X'04" Userdata was specified on the ISGENQ request and ANSDetail=FULL3 was specified on this ISGQUERY request. This bit is only valid if ISGYQUAARqMisc64Valid is set. If Userdata was expected for this requester, and ISGYQUAARqMisc64Valid is set, but this bit is off, one of the following conditions is true: 1)GRS is operating in STAR mode, this resource is global, and the ISGQUERY request specified GATHERFROM=SYSPLEX. If the resource request originated on the current system, issue another ISGQUERY specifying GATHERFROM=SYSTEM to obtain the Userdata. 2) The ISGYQUAARqxUserdataOmitted bit is set. See the declaration for details.
		.... ..1.		ISGYQUAARQXUSERDATAOMITTED	"X'02" Userdata was specified on the ISGENQ request and ANSDetail=FULL3 was specified on this ISGQUERY request, however, there was not enough room in the answer area to return the userdata. Allocate a larger answer area space. Use the following formula to determine the amount of storage needed: (ISGYQUAA_kQScanMinFull3AnsLen + ISGYQUAARqxUserdataLen - ISGYQUAAUserDataInitialLen)
4	(4)	CHARACTER	2		Reserved
6	(6)	CHARACTER	42	ISGYQUAARQXREQUESTERDATA (0)	
6	(6)	SIGNED	2	ISGYQUAARQXASID	ASID of ENQ requester
8	(8)	CHARACTER	8	ISGYQUAARQXSTOKEN	SToken of requester. Only valid if ISGYQUAARqMisc64Valid is set.

ISGYQUAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	CHARACTER	16	ISGYQUAARQXTOKEN	TToken of requester. Only valid if ISGYQUAARqMisc64Valid is set.
32	(20)	CHARACTER	8	ISGYQUAARQXJOBNAME	Job name of requester
40	(28)	CHARACTER	8	ISGYQUAARQXSYSNAME	System name of requester
48	(30)	ADDRESS	4	ISGYQUAARQXMTCB	Matching task TCB (MTCB) specified by requester. Valid only if ISGYQUAARqxMatchingTask is set
52	(34)	SIGNED	2	ISGYQUAARQXMASID	Matching task ASID (MASID) specified by requester. Valid only if ISGYQUAARqxMatchingTask is set
54	(36)	SIGNED	2	ISGYQUAARQXSERVICEASID	ASID of the task for which a service PROVIDER performed this ENQ request. If ISGYQUAARqxServiceAsidValid is set then ISGYQUAARqxAsid is the ASID of the service PROVIDER and ISGYQUAARqServiceAsid is the ASID of the service REQUESTER. If ISGYQUAARqxServiceAsid is zero, the service REQUESTER's ASID is not available
56	(38)	ADDRESS	4	ISGYQUAARQXEBCB (0)	ECB address if ISGYQUAARqxECBRequest is set
56	(38)	ADDRESS	4	ISGYQUAARQXSVRB	SVRB address if ISGYQUAARqxECBRequest is zero
60	(3C)	ADDRESS	4	ISGYQUAARQXUCB	Final UCB address if request was for a device reserve on this system for a three-digit device-number device. Otherwise, arithmetic zero. Note that if ISGYQUAARqReserveConverted is set the device was not reserved
64	(40)	CHARACTER	4	ISGYQUAARQXDEVICENUM	If the request was for a device reserve from the current system then this field contains the EBCDIC device number of the the target of the reserve, Otherwise it is arithmetic zero
68	(44)	CHARACTER	4		Reserved
72	(48)	CHARACTER	8	ISGYQUAARQXORIGQNAME	Original QName specified on request. Only valid if ISGYQUAARqxOrigQNameValid and ISGYQUAARqMisc64Valid are set.
80	(50)	ADDRESS	8	ISGYQUAARQXORIGRNAME (0)	Address of original RName specified on request. Only valid if ISGYQUAARqxOrigRNameValid and ISGYQUAARqMisc64Valid are set.
80	(50)	CHARACTER	4		First word of 64-bit field
84	(54)	ADDRESS	4	ISGYQUAARQXORIGRNAME31	Value of ISGYQUAARqxOrigRName for AMODE 31 callers
88	(58)	ADDRESS	4	ISGYQUAARQXORIGUCB@	Original UCB@ specified on request if the UCB address was changed by a dynamic exit. Note that a reserve conversion does not change the UCB@, but causes the device reserve request to be ignored. Only valid if ISGYQUAARqxOrigUCB@Valid and ISGYQUAARqMisc64Valid are set.
92	(5C)	BITSTRING	1	ISGYQUAARQXORIGRNAMELEN	Length of original RName specified on request. Only valid if ISGYQUAARqxOrigRNameValid and ISGYQUAARqMisc64Valid are set.
93	(5D)	BITSTRING	1	ISGYQUAARQXORIGSCOPE	Original scope specified on request. One of either ISGYQUAA_kSTEP, ISGYQUAA_kSYSTEM, or ISGYQUAA_kSYSPLEX. Only valid if ISGYQUAARqxOrigScopeValid and ISGYQUAARqMisc64Valid are set.
94	(5E)	SIGNED	2	ISGYQUAARQXUSERDATALEN	Length of Userdata specified on request. Only valid if ISGYQUAARqxUserdataValid and ISGYQUAARqMisc64Valid are set.
96	(60)	ADDRESS	8	ISGYQUAARQXUSERDATA (0)	Address of userdata specified on request. Only valid if ISGYQUAARqxUserdataValid and ISGYQUAARqMisc64Valid are set. Note: The length, ISGYQUAARqxUserdataLen, should always be used when accessing the userdata, as its length may change in the future
96	(60)	CHARACTER	4		First word of 64-bit field
100	(64)	ADDRESS	4	ISGYQUAARQXUSERDATA31	Value of ISGYQUAARqxUserData for AMODE 31 callers
104	(68)	CHARACTER	32	ISGYQUAARQXV2 (0)	
104	(68)	CHARACTER	16	ISGYQUAARQXV2ENQTIME	This is the time, in extended TOD format, of when the ENQ request was originally made. Only valid if ISGYQUAARqMisc64Valid is set.
120	(78)	CHARACTER	16		Reserved

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				

Comment

ISGYQUAARQX Constants

End of Comment

120	(78)	X'2'	0	ISGYQUAARQX_KMAXVERSION	"2"
120	(78)	X'1'	0	ISGYQUAARQX_KHBB7709	"1"
120	(78)	X'2'	0	ISGYQUAARQX_KHBB7740	"2"
120	(78)	X'1'	0	ISGYQUAARQX_KVERSION1	"1"
120	(78)	X'2'	0	ISGYQUAARQX_KVERSION2	"2"
120	(78)	X'68'	0	ISGYQUAARQXV1_KLEN	"104"
120	(78)	X'20'	0	ISGYQUAARQXV2_KPARTIALLEN	"32"
120	(78)	X'88'	0	ISGYQUAARQXV2_KLEN	"136"
120	(78)	X'88'	0	ISGYQUAARQXMAX_KLEN	"136"
120	(78)	X'88'	0	ISGYQUAARQX_LEN	**_ISGYQUAARQX"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				

0	(0)	STRUCTURE	0	ISGYQUAASYS	The REQINFO=ENQSTATS system data
0	(0)	CHARACTER	40	ISGYQUAASYSV1	(0)
0	(0)	SIGNED	2	ISGYQUAASYSVERSION	ISGYQUAASys version
2	(2)	BITSTRING	1	ISGYQUAASYSFLAGS1	(0) First Flags byte
		1... ..		ISGYQUAASYSAUTHORIZED	"X'80" Indicates whether this block refers to the authorized or unauthorized counts
3	(3)	CHARACTER	5		Reserved
8	(8)	ADDRESS	8	ISGYQUAASYSNEXT	(0) Address of next system record returned
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYQUAASYSNEXT31	Value of ISGYQUAASysNext for AMODE 31 callers
16	(10)	ADDRESS	8	ISGYQUAASYS SP	(0) Address of address-space specific data (the ISGYQUAASysAuthorized flag applies to it as well)
16	(10)	CHARACTER	4		1st word of 64-bit field
20	(14)	ADDRESS	4	ISGYQUAASYS SP31	Value of ISGYQUAASysSp for AMODE 31 callers
24	(18)	CHARACTER	8	ISGYQUAASYSPEAKENQDATA	(0)
24	(18)	SIGNED	4	ISGYQUAASYSPEAKENQCOUNT	Peak ENQ count of requesters for any address space for the life of the system
28	(1C)	SIGNED	2	ISGYQUAASYSPEAKENQASID	ASID associated with with the overall peak for ENQ requests. Note that ASIDs are reusable and the address space may not still be active.
30	(1E)	CHARACTER	2		unused
32	(20)	SIGNED	4	ISGYQUAASYS ENQMAX	System-wide maximum limit of ENQs from any one address space
36	(24)	CHARACTER	4		unused

Comment

ISGYQUAASys Constants

End of Comment

ISGYQUAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	X'1'	0	ISGYQUAASYS_KMAXVERSION	"1"
36	(24)	X'1'	0	ISGYQUAASYS_KHBB7730	"1"
36	(24)	X'1'	0	ISGYQUAASYS_KVERSION1	"1"
36	(24)	X'28'	0	ISGYQUAASYSV1_KLEN	"40"
36	(24)	X'28'	0	ISGYQUAASYSMAX_KLEN	"40"
36	(24)	X'28'	0	ISGYQUAASYS_LEN	** -ISGYQUAASYS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAASP	REQINFO=ENQSTATS address space specific data
0	(0)	CHARACTER	16	ISGYQUAASPV1	
0	(0)	SIGNED	2	(0) ISGYQUAASPVERSION	ISGYQUAASp version
2	(2)	CHARACTER	2		Reserved
4	(4)	SIGNED	4	ISGYQUAASPCURRENQCOUNT	Current ENQ count for the specified address space
8	(8)	SIGNED	4	ISGYQUAASPPEAKENQCOUNT	Peak ENQ count of requesters for the life of the specified address space.
12	(C)	SIGNED	4	ISGYQUAASPENQMAX	If non-zero, the address- space specific maximum number of ENQs, set via ISGADMIN. If zero, none exists and the system maximum is used.

Comment

ISGYQUAASp Constants

End of Comment

12	(C)	X'1'	0	ISGYQUAASP_KMAXVERSION	"1"
12	(C)	X'1'	0	ISGYQUAASP_KHBB7730	"1"
12	(C)	X'1'	0	ISGYQUAASP_KVERSION1	"1"
12	(C)	X'10'	0	ISGYQUAASPV1_KLEN	"16"
12	(C)	X'10'	0	ISGYQUAASPMAX_KLEN	"16"
12	(C)	X'20'	0	ISGYQUAASUSERDATA_KINITIALLEN	"32" The initial length of ISGYQUAAUserdata
12	(C)	X'10'	0	ISGYQUAASP_LEN	** -ISGYQUAASP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAALD	Latch Data
0	(0)	CHARACTER	144	ISGYQUAALDV1	
0	(0)	SIGNED	2	(0) ISGYQUAALDVERSION	IsgyQuaaLD version
2	(2)	BITSTRING	1	ISGYQUAALDFLAGS1	
				(0)	First Flags byte
		1...		ISGYQUAALDLATCHIDVALID	"X'80" Indicates if there is a LID for this latch
		.1...		ISGYQUAALDDATANOTAVAIL	"X'40" Indicates that there was a problem obtaining information on the requesters of this latch. When set no waiter or blocker LRDs are returned and IsgyQuaaLDDiag1 and IsgyQuaaLDDiag2 hold diagnostic information. If the data for this latch is vital, re-issue the ISGQUERY Request
3	(3)	CHARACTER	5		Reserved
8	(8)	ADDRESS	8	ISGYQUAALDNEXT	
				(0)	Address of next latch record returned

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYQUAALDNEXT31	Value of IsgyQuaaLdNext for AMODE 31 callers
16	(10)	ADDRESS	8	ISGYQUAALDPREV (0)	Address of Prev latch record returned First word of 64-bit field
16	(10)	CHARACTER	4		
20	(14)	ADDRESS	4	ISGYQUAALDPREV31	Value of IsgyQuaaLdPrev for AMODE 31 callers
24	(18)	ADDRESS	8	ISGYQUAALDWAITERLRD (0)	Address of first latch requester data for a waiter 1st word of 64-bit field
24	(18)	CHARACTER	4		
28	(1C)	ADDRESS	4	ISGYQUAALDWAITERLRD31	Value of IsgyQuaaLdWaiterLrd for AMODE 31 callers
32	(20)	ADDRESS	8	ISGYQUAALDBLOCKERLRD (0)	Address of first latch requester data for a blocker 1st word of 64-bit field
32	(20)	CHARACTER	4		
36	(24)	ADDRESS	4	ISGYQUAALDBLOCKERLRD31	Value of IsgyQuaaLdBlockerLrd for AMODE 31 callers
40	(28)	SIGNED	4	ISGYQUAALDLATCHNUM	The latch number
44	(2C)	SIGNED	2	ISGYQUAALDLATCHIDLEN	The length of the latch Identity entry for this latch. Only valid if IsgyQuaaLdLatchIDValid is ON
46	(2E)	BITSTRING	1	ISGYQUAALDLATCHIDVERSION	The version of the latch Identity entry for this latch. Only valid if IsgyQuaaLdLatchIDValid is ON
47	(2F)	CHARACTER	1		Reserved
48	(30)	ADDRESS	8	ISGYQUAALDLATCHID (0)	The address of the latch Identity entry for this latch. Only valid if IsgyQuaaLdLatchIdValid is ON. See ISGYLID_Entry defined in the language specific latch macro for more details on the control block pointed to by this field 1st word of 64-bit field
48	(30)	CHARACTER	4		
52	(34)	ADDRESS	4	ISGYQUAALDLATCHID31	Value of IsgyQuaaLdLatchID for AMODE 31 callers
56	(38)	SIGNED	2	ISGYQUAALDCASID	ASID of the latch set creator
58	(3A)	SIGNED	2	ISGYQUAALDRETURNEDLIDPSLEN	Length of the Latch ID printable string that is returned. Normally this will be the same as LidPrintableStringLength, unless it has been truncated to IsgyQuaa_kLidPrintableStrin gMaxLen
60	(3C)	CHARACTER	4		Unused
64	(40)	SIGNED	4	ISGYQUAALDNUMBLOCKERS (0)	Total number of owners of this latch
64	(40)	SIGNED	4	ISGYQUAALDDIAG1	Diag field when flag IsgyQuaaLdDataNotAvail is set
68	(44)	SIGNED	4	ISGYQUAALDDIAG2 (0)	Diag field when flag IsgyQuaaLdDataNotAvail is set
68	(44)	SIGNED	4	ISGYQUAALDNUMWAITERS	Total number of waiters for this latch (valid only for BLOCKER requests)
72	(48)	CHARACTER	8		Unused
80	(50)	CHARACTER	8	ISGYQUAALDCJOBNAME	Jobname of the latch set creator
88	(58)	CHARACTER	8	ISGYQUAALDLATCHSETTOKEN	The latch set token
96	(60)	CHARACTER	48	ISGYQUAALDLATCHSETNAME	The latch set name
96	(60)	X'1'	0	ISGYQUAALD_KMAXVERSION	"1"
96	(60)	X'1'	0	ISGYQUAALD_KVERSION1	"1"
96	(60)	X'90'	0	ISGYQUAALDV1_KLEN	"144"
96	(60)	X'90'	0	ISGYQUAALDMAX_KLEN	"144"
96	(60)	X'90'	0	ISGYQUAALD_LEN	**ISGYQUAALD"

ISGYQUAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAALRD	
0	(0)	CHARACTER	72	ISGYQUAALRDV1 (0)	
0	(0)	SIGNED	2	ISGYQUAALRDVERSION	IsgyQuaaLRD version
2	(2)	BITSTRING	1	ISGYQUAALRDFLAGS1 (0)	First Flags byte
		1... ..		ISGYQUAALRDEXCLUSIVE	"X'80" If ON, latch was requested exclusive. If OFF latch was requested shared.
		.1.. ..		ISGYQUAALRDTASKMODE	"X'40" If ON, this latch requester was in Task mode at the time of the request. If OFF requestor was in SRB mode
3	(3)	CHARACTER	5		Reserved
8	(8)	ADDRESS	8	ISGYQUAALRDNEXT (0)	Address of next latch requester returned
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYQUAALRDNEXT31	Value of IsgyQuaaLrdNext for AMODE 31 callers
16	(10)	ADDRESS	8	ISGYQUAALRDPREV (0)	Address of Prev latch requester returned
16	(10)	CHARACTER	4		First word of 64-bit field
20	(14)	ADDRESS	4	ISGYQUAALRDPREV31	Value of IsgyQuaaLrdPrev for AMODE 31 callers
24	(18)	CHARACTER	8	ISGYQUAALRDJOBNAME	Jobname of this latch requester
32	(20)	SIGNED	2	ISGYQUAALRDASID	ASID of this latch requester
34	(22)	CHARACTER	2		Reserved
36	(24)	ADDRESS	4	ISGYQUAALRDWORKUNIT@	If IsgyQuaaLrdTcbMode is ON, this is the address of the requesting TCB. Otherwise this is the WEB address of the requesting SRB.
40	(28)	BITSTRING	8	ISGYQUAALRDOWNTOD	Timestamp of when this requester became an owner of this latch. This field will be binary zero if this requester is not an owner of this latch. This value has not been adjusted for leap seconds
48	(30)	BITSTRING	8	ISGYQUAALRDWAITREQTOD	This is the time that the request was made and is only set when there is contention. A value of zero indicates that there was no contention and thus IsgyQuaaLrdOwnTOD is also the request time. The value has not been adjusted for leap seconds.
56	(38)	BITSTRING	8	ISGYQUAALRDRESUMEDTOD	This is the time that the requester's unit of work was resumed. It is only set when there is contention for an UNCOND request and represents the time that the requester's unit of work started executing with the latch held. The value has not been adjusted for leap seconds.
64	(40)	CHARACTER	8	ISGYQUAALRDLATCHTOKEN	The latch token
64	(40)	X'1'	0	ISGYQUAALRD_KMAXVERSION	"1"
64	(40)	X'1'	0	ISGYQUAALRD_KVERSION1	"1"
64	(40)	X'48'	0	ISGYQUAALRDV1_KLEN	"72"
64	(40)	X'48'	0	ISGYQUAALRDMAX_KLEN	"72"
64	(40)	X'48'	0	ISGYQUAALRD_LEN	"*-ISGYQUAALRD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ISGYQUAAUS	
0	(0)	CHARACTER	328	ISGYQUAAUSV1 (0)	
0	(0)	SIGNED	2	ISGYQUAAUS_VERSION	IsgyQuaaUs Version
2	(2)	SIGNED	2	ISGYQUAAUS_ASID	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Valid if the IsgyQuaaUs is on the IsgyQuaaHdrUsFirstAsRecord Chain. This field indicates the Address space number for which the following data was collected. All of the statistics that follow represent requests that were made when this was the Home address space
4	(4)	CHARACTER	4		
8	(8)	ADDRESS	8	ISGYQUAAUS_NEXT (0)	Address of next US record returned
8	(8)	CHARACTER	4		First word of 64-bit field
12	(C)	ADDRESS	4	ISGYQUAAUS_NEXT31	Value of ISGYQUAAUsNext for AMODE 31 callers
16	(10)	CHARACTER	8	ISGYQUAAUS_STOKEN	Valid if the is on the IsgyQuaaHdrUsFirstAsRecord Chain. This field indicates the STOKEN for which the following data was collected.
24	(18)	CHARACTER	32	ISGYQUAAUS_LATCHCREATORCONTSTATS (0)	Statistics for Latch requests against Latch sets created by this address space
24	(18)	SIGNED	8	ISGYQUAAUS_LC_CONTCOUNT	Number of contention generating requests
32	(20)	SIGNED	8	ISGYQUAAUS_LC_CONTTIME	Total time of contention
40	(28)	CHARACTER	16	ISGYQUAAUS_LC_CONTTIMESQ	Sum of the squares of the individual contention times
56	(38)	CHARACTER	32	ISGYQUAAUS_LATCHREQUESTERCONTSTATS (0)	Statistics for Latch requests that occurred in this address space
56	(38)	SIGNED	8	ISGYQUAAUS_LR_CONTCOUNT	Number of contention generating requests
64	(40)	SIGNED	8	ISGYQUAAUS_LR_CONTTIME	Total time of contention
72	(48)	CHARACTER	16	ISGYQUAAUS_LR_CONTTIMESQ	Sum of the squares of the individual contention times
88	(58)	CHARACTER	48	ISGYQUAAUS_ENQSTEPSTATS (0)	Statistics for requests that generated STEP scope ENQs from this address space
88	(58)	SIGNED	8	ISGYQUAAUS_ESTEPTOTALCOUNT	Total number of requests that resulted in GRS queuing an element (contention and non-contention cases)
96	(60)	SIGNED	8	ISGYQUAAUS_ESTEPCONTCOUNT	Total number of contention generating requests that resulted in GRS queuing a waiting element
104	(68)	SIGNED	8	ISGYQUAAUS_ESTEPCONTTIME	Total time of contention
112	(70)	CHARACTER	8		
120	(78)	CHARACTER	16	ISGYQUAAUS_ESTEPCONTTIMESQ	Sum of the squares of the individual contention times
136	(88)	CHARACTER	48	ISGYQUAAUS_ENQSYSTEMSTATS (0)	Statistics for requests that generated SYSTEM scope ENQs from this address space
136	(88)	SIGNED	8	ISGYQUAAUS_ESYSTEMTOTALCOUNT	Total number of requests that resulted in GRS queuing an element (contention and non-contention cases)
144	(90)	SIGNED	8	ISGYQUAAUS_ESYSTEMCONTCOUNT	Total number of contention generating requests that resulted in GRS queuing a waiting element
152	(98)	SIGNED	8	ISGYQUAAUS_ESYSTEMCONTTIME	Total time of contention
160	(A0)	CHARACTER	8		
168	(A8)	CHARACTER	16	ISGYQUAAUS_ESYSTEMCONTTIMESQ	Sum of the squares of the individual contention times
184	(B8)	CHARACTER	48	ISGYQUAAUS_ENQSYSTEMSSTATS (0)	Statistics for requests that generated SYSTEMS scope ENQs from this address space
184	(B8)	SIGNED	8	ISGYQUAAUS_ESYSTEMSTOTALCOUNT	Total number of requests that resulted in GRS queuing an element (contention and non-contention cases)
192	(C0)	SIGNED	8	ISGYQUAAUS_ESYSTEMSCONTCOUNT	Total number of contention generating requests that resulted in GRS queuing a waiting element
200	(C8)	SIGNED	8	ISGYQUAAUS_ESYSTEMSCONTTIME	Total time of contention

ISGYQUAC Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
208	(D0)	CHARACTER	8		
216	(D8)	CHARACTER	16	ISGYQUAAUS_ESYSTEMSCONTTIMESQ	Sum of the squares of the individual contention times
232	(E8)	CHARACTER	64	ISGYQUAAUS_QSCANSTATS (0)	Statistics for Qscan requests (GQSCAN and ISGQUERY REQINFO=QSCAN) issued from this address space
232	(E8)	SIGNED	8	ISGYQUAAUS_QTOTALCOUNT	Count of requests including (START and RESUME, but not QUITs
240	(F0)	SIGNED	8	ISGYQUAAUS_QSPECCOUNT	Count of requests that are specific. This includes requests with a specific QNAME and RNAME or ISGQUERY specifying a search by EnqToken
248	(F8)	CHARACTER	16	ISGYQUAAUS_QRESCOUNTSQ	Sum of the squares of number of resources returned.
264	(108)	SIGNED	8	ISGYQUAAUS_QRESCOUNT	Sum of all resources returned by QScans.
272	(110)	SIGNED	8	ISGYQUAAUS_QTIME	Sum of request times (in TOD- format) for QScan requests
280	(118)	CHARACTER	16	ISGYQUAAUS_QTIMESQ	Sum of the squares of request times for QScan requests
296	(128)	CHARACTER	32		Reserved for future use
296	(128)	X'148'	0	ISGYQUAAUSV1_KLEN	"328"
296	(128)	X'1'	0	ISGYQUAAUS_KMAXVERSION	"1"
296	(128)	X'1'	0	ISGYQUAAUS_KVERSION1	"1"
296	(128)	X'148'	0	ISGYQUAAUS_LEN	**ISGYQUAAUS"

ISGYQUAC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYQUAAHDR	0		ISGYQUAAHDRUS		
ISGYQUAAHDR_KHBB7709	51	1	ISGYQUAAHDRUS_KHBB7780	50	1
ISGYQUAAHDR_KHBB7780	51	2	ISGYQUAAHDRUS_KID_0TO3	50	E2C7E8
ISGYQUAAHDR_KID_0TO3	51	E2C7E8	ISGYQUAAHDRUS_KID_4TO7	50	E4C1C1
ISGYQUAAHDR_KID_4TO7	51	E4C1C1	ISGYQUAAHDRUS_KMAXVERSION	50	1
ISGYQUAAHDR_KMAXVERSION	51	2	ISGYQUAAHDRUS_KREQINFO_USAGESTATS	50	4
ISGYQUAAHDR_KREQINFO_ENQSTATS	51	2	ISGYQUAAHDRUS_KVERSION1	50	1
ISGYQUAAHDR_KREQINFO_LATCHECA	51	3	ISGYQUAAHDRUS_LEN	50	60
ISGYQUAAHDR_KREQINFO_QSCAN	51	1	ISGYQUAAHDRUSENDTIME	50	
ISGYQUAAHDR_KVERSION1	51	1	ISGYQUAAHDRUSFIRSTASRECORD	10	
ISGYQUAAHDR_KVERSION2	51	2	ISGYQUAAHDRUSFIRSTASRECORD31	14	
ISGYQUAAHDR_LEN	51	58	ISGYQUAAHDRUSID	0	
ISGYQUAAHDRFIRSTRECORD	10		ISGYQUAAHDRUSMAX_KLEN	50	60
ISGYQUAAHDRFIRSTRECORD31	14		ISGYQUAAHDRUSNUMASRECORDS	C	
ISGYQUAAHDRID	0		ISGYQUAAHDRUSREQINFO	A	
ISGYQUAAHDRMAX_KLEN	51	58	ISGYQUAAHDRUSSTARTTIME	40	
ISGYQUAAHDRNUMRECORDS	C		ISGYQUAAHDRUSTERMINATEDSPACESRECORD	20	
ISGYQUAAHDRREQINFO	A		ISGYQUAAHDRUSTERMINATEDSPACESRECORD31	24	
ISGYQUAAHDRTOTALLEN	18		ISGYQUAAHDRUSTOTALLEN	18	
ISGYQUAAHDRTOTALLEN31	1C		ISGYQUAAHDRUSTOTALLEN31		

ISGYQUAC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	1C		ISGYQUAALDNEXT31		
ISGYQUAAHDRUSVERSION	8			C	
ISGYQUAAHDRUSV1	0		ISGYQUAALDNUMBLOCKERS	40	
ISGYQUAAHDRUSV1_KLEN	50	60	ISGYQUAALDNUMWAITERS	44	
ISGYQUAAHDRVERSION	8		ISGYQUAALDPREV	10	
ISGYQUAAHDRV1	0		ISGYQUAALDPREV31	14	
ISGYQUAAHDRV1_KLEN	51	28	ISGYQUAALDRETURNEDLIDPSLEN	3A	
ISGYQUAAHDRV2	28		ISGYQUAALDVERSION	0	
ISGYQUAAHDRV2_KLEN	51	58	ISGYQUAALDV1	0	
ISGYQUAAHDRV2_KPARTIALLEN	51	30	ISGYQUAALDV1_KLEN	60	90
ISGYQUAAHDRV2ENDTIME	40		ISGYQUAALDWAITERLRD	18	
ISGYQUAAHDRV2FLAGS1	50		ISGYQUAALDWAITERLRD31	1C	
ISGYQUAAHDRV2LASTRECORD	28		ISGYQUAALRD	0	
ISGYQUAAHDRV2LASTRECORD31	2C		ISGYQUAALRD_KMAXVERSION	40	1
ISGYQUAAHDRV2STARTTIME	30		ISGYQUAALRD_KVERSION1	40	1
ISGYQUAAHDRV2WAITER	50	40	ISGYQUAALRD_LEN	40	48
ISGYQUAALD	0		ISGYQUAALRDASID	20	
ISGYQUAALD_KMAXVERSION	60	1	ISGYQUAALRDEXCLUSIVE	2	80
ISGYQUAALD_KVERSION1	60	1	ISGYQUAALRDFLAGS1	2	
ISGYQUAALD_LEN	60	90	ISGYQUAALRDJOBNAME	18	
ISGYQUAALDBLOCKERLRD	20		ISGYQUAALRD LATCHTOKEN	40	
ISGYQUAALDBLOCKERLRD31	24		ISGYQUAALRD MAX_KLEN	40	48
ISGYQUAALDCASID	38		ISGYQUAALRDNEXT	8	
ISGYQUAALDCJOBNAME	50		ISGYQUAALRDNEXT31	C	
ISGYQUAALDDATANOTAVAIL	2	40	ISGYQUAALRDOWNTOD	28	
ISGYQUAALDDIAG1	40		ISGYQUAALRDPREV	10	
ISGYQUAALDDIAG2	44		ISGYQUAALRDPREV31	14	
ISGYQUAALDFLAGS1	2		ISGYQUAALRDRESUMEDTOD	38	
ISGYQUAALDLATCHID	30		ISGYQUAALRDTASKMODE	2	40
ISGYQUAALDLATCHIDLEN	2C		ISGYQUAALRDVERSION	0	
ISGYQUAALDLATCHIDVALID	2	80	ISGYQUAALRDV1	0	
ISGYQUAALDLATCHIDVERSION	2E		ISGYQUAALRDV1_KLEN	40	48
ISGYQUAALDLATCHID31	34		ISGYQUAALRDWAITREQTOD	30	
ISGYQUAALDLATCHNUM	28		ISGYQUAALRDWORKUNIT@	24	
ISGYQUAALDLATCHSETNAME	60		ISGYQUAARQ	0	
ISGYQUAALDLATCHSETTOKEN	58		ISGYQUAARQ_KHBB7709	38	1
ISGYQUAALD MAX_KLEN	60	90	ISGYQUAARQ_KMAXVERSION	38	1
ISGYQUAALDNEXT	8		ISGYQUAARQ_KVERSION1	38	1
			ISGYQUAARQ_LEN	38	40
			ISGYQUAARQCONTROL		

ISGYQUAC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYQUAARQENQTOKEN	2	80	ISGYQUAARQXMATCHINGTASK	34	
ISGYQUAARQFLAGS1	18		ISGYQUAARQXMAX_KLEN	3	10
ISGYQUAARQFLAGS2	2		ISGYQUAARQXMTCB	78	88
ISGYQUAARQMATU	3		ISGYQUAARQXMUSTCOMPLETE	30	
ISGYQUAARQMAX_KLEN	2	4	ISGYQUAARQXNQTCHANGED	3	80
ISGYQUAARQMISC64VALID	38	40	ISGYQUAARQXORIGQNAME	2	80
ISGYQUAARQNEXT	2	1	ISGYQUAARQXORIGQNAMEVALID	48	
ISGYQUAARQNEXT31	8		ISGYQUAARQXORIGQNAMEVALID	2	10
ISGYQUAARQOWNER	C		ISGYQUAARQXORIGRNAME	50	
ISGYQUAARQPOSTED	2	8	ISGYQUAARQXORIGRNAMELEN	5C	
ISGYQUAARQRESERVE	2	2	ISGYQUAARQXORIGRNAMEVALID	2	8
ISGYQUAARQRESERVECONVERTED	2	40	ISGYQUAARQXORIGRNAME31	54	
ISGYQUAARQRQX	2	20	ISGYQUAARQXORIGSCOPE	5D	
ISGYQUAARQRQXVALID	10		ISGYQUAARQXORIGSCOPEVALID	2	2
ISGYQUAARQRQX31	3	80	ISGYQUAARQXORIGUCB@	58	
ISGYQUAARQSYNCHRES	14		ISGYQUAARQXORIGUCB@VALID	2	4
ISGYQUAARQTCB	2	10	ISGYQUAARQXREQUESTERDATA	6	
ISGYQUAARQVERSION	4		ISGYQUAARQXRNLCHANGED	2	20
ISGYQUAARQV1	0		ISGYQUAARQXSERVICEASID	36	
ISGYQUAARQV1_KLEN	0		ISGYQUAARQXSERVICEASIDVALID	2	1
ISGYQUAARQX	38	40	ISGYQUAARQXSTOKEN	8	
ISGYQUAARQX_KHBB7709	0		ISGYQUAARQXSVRB	38	
ISGYQUAARQX_KHBB7740	78	1	ISGYQUAARQXSYSNAME	28	
ISGYQUAARQX_KMAXVERSION	78	2	ISGYQUAARQXTTOKEN	10	
ISGYQUAARQX_KVERSION1	78	2	ISGYQUAARQXUCB	3C	
ISGYQUAARQX_KVERSION2	78	1	ISGYQUAARQXUSERDATA	60	
ISGYQUAARQX_LEN	78	88	ISGYQUAARQXUSERDATALEN	5E	
ISGYQUAARQXALTSEREXTENDED	3	20	ISGYQUAARQXUSERDATAOMITTED	3	2
ISGYQUAARQXASID	6		ISGYQUAARQXUSERDATAVALID	3	4
ISGYQUAARQXAUTHORIZED	3	40	ISGYQUAARQXUSERDATA31	64	
ISGYQUAARQXBATCHCHANGED	2	40	ISGYQUAARQXVERSION	0	
ISGYQUAARQXDEVICENUM	40		ISGYQUAARQXV1	0	
ISGYQUAARQXECEB	38		ISGYQUAARQXV1_KLEN	78	68
ISGYQUAARQXECEBREQUEST	3	8	ISGYQUAARQXV2	68	
ISGYQUAARQXFLAGS1	2		ISGYQUAARQXV2_KLEN	78	88
ISGYQUAARQXFLAGS2	3		ISGYQUAARQXV2_KPARTIALLEN	78	20
ISGYQUAARQXJOBNAME	20		ISGYQUAARQXV2ENQTIME	68	
ISGYQUAARQXMASID			ISGYQUAARS	0	

ISGYQUAC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYQUAARS_KHBB7709	4C	1	ISGYQUAARSXRSCTOKEN	4	
ISGYQUAARS_KHBB7740	4C	2	ISGYQUAARSXRSCTOKENVALID	2	80
ISGYQUAARS_KMAXVERSION	4C	2	ISGYQUAARSXVERSION	0	
ISGYQUAARS_KVERSION1	4C	1	ISGYQUAARSXV1	0	
ISGYQUAARS_KVERSION2	4C	2	ISGYQUAARSXV1_KLEN	24	30
ISGYQUAARS_LEN	4C	50	ISGYQUAASP	0	
ISGYQUAARSFIRSTRQ	10		ISGYQUAASP_KHBB7730	C	1
ISGYQUAARSFIRSTRQ31	14		ISGYQUAASP_KMAXVERSION	C	1
ISGYQUAARSFLAGS1	2		ISGYQUAASP_KVERSION1	C	1
ISGYQUAARSMAX_KLEN	4C	50	ISGYQUAASP_LEN	C	10
ISGYQUAARSNEXT	8		ISGYQUAASPCURRENTQCOUNT	4	
ISGYQUAARSNEXT31	C		ISGYQUAASPENQMAX	C	
ISGYQUAARSNUMEUSERS	3C		ISGYQUAASPMAX_KLEN	C	10
ISGYQUAARSNUMEWAITERS	34		ISGYQUAASPPEAKENQCOUNT	8	
ISGYQUAARSNUMOWNERS	30		ISGYQUAASPVERSION	0	
ISGYQUAARSNUMRQ	28		ISGYQUAASPV1	0	
ISGYQUAARSNUMSUSERS	40		ISGYQUAASPV1_KLEN	C	10
ISGYQUAARSNUMSWAITERS	38		ISGYQUAASYS	0	
ISGYQUAARSQNAME	20		ISGYQUAASYS_KHBB7730	24	1
ISGYQUAARSRNAME	18		ISGYQUAASYS_KMAXVERSION	24	1
ISGYQUAARSRNAMELEN	44		ISGYQUAASYS_KVERSION1	24	1
ISGYQUAARSRNAME31	1C		ISGYQUAASYS_LEN	24	28
ISGYQUAARSRQSOMMITTED	2	80	ISGYQUAASYSAUTHORIZED	2	80
ISGYQUAARSRSX	48		ISGYQUAASYSSENQMAX	20	
ISGYQUAARSRSXVALID	2	40	ISGYQUAASYSFLAGS1	2	
ISGYQUAARSRSX31	4C		ISGYQUAASYSMAX_KLEN	24	28
ISGYQUAARSSCOPE	46		ISGYQUAASYSNEXT	8	
ISGYQUAARSTOTALRQ	2C		ISGYQUAASYSNEXT31	C	
ISGYQUAARSVERSION	0		ISGYQUAASYSPEAKENQASID	1C	
ISGYQUAARSV1	0		ISGYQUAASYSPEAKENQCOUNT	18	
ISGYQUAARSV1_KLEN	4C	50	ISGYQUAASYSPEAKENQDATA	18	
ISGYQUAARSX	0		ISGYQUAASYSSP	10	
ISGYQUAARSX_KHBB7740	24	1	ISGYQUAASYSSP31	14	
ISGYQUAARSX_KMAXVERSION	24	1	ISGYQUAASYSVERSION	0	
ISGYQUAARSX_KVERSION1	24	1	ISGYQUAASYSV1	0	
ISGYQUAARSX_LEN	24	30	ISGYQUAASYSV1_KLEN	24	28
ISGYQUAARSXFLAGS1	2		ISGYQUAAUS	0	
ISGYQUAARSXMAX_KLEN	24	30	ISGYQUAAUS_ASID	2	
			ISGYQUAAUS_ENQSTEPSTATS	58	

ISGYQUAC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ISGYQUAAUS_ENQSYSTEMSSTATS	B8		ISGYQUAAUSV1	0	
ISGYQUAAUS_ENQSYSTEMSTATS	88		ISGYQUAAUSV1_KLEN	128	148
ISGYQUAAUS_ESTSTEPCONTCOUNT	60				
ISGYQUAAUS_ESTSTEPCONTTIME	68				
ISGYQUAAUS_ESTSTEPCONTTIMESQ	78				
ISGYQUAAUS_ESTSEPTOTALCOUNT	58				
ISGYQUAAUS_ESYSTEMCONTCOUNT	90				
ISGYQUAAUS_ESYSTEMCONTTIME	98				
ISGYQUAAUS_ESYSTEMCONTTIMESQ	A8				
ISGYQUAAUS_ESYSTEMSCONTCOUNT	C0				
ISGYQUAAUS_ESYSTEMSCONTTIME	C8				
ISGYQUAAUS_ESYSTEMSCONTTIMESQ	D8				
ISGYQUAAUS_ESYSTEMSTOTALCOUNT	B8				
ISGYQUAAUS_ESYSTEMTOTALCOUNT	88				
ISGYQUAAUS_KMAXVERSION	128	1			
ISGYQUAAUS_KVERSION1	128	1			
ISGYQUAAUS_LATCHCREATORCONTSTATS	18				
ISGYQUAAUS_LATCHREQUESTERCONTSTATS	38				
ISGYQUAAUS_LC_CONTCOUNT	18				
ISGYQUAAUS_LC_CONTTIME	20				
ISGYQUAAUS_LC_CONTTIMESQ	28				
ISGYQUAAUS_LEN	128	148			
ISGYQUAAUS_LR_CONTCOUNT	38				
ISGYQUAAUS_LR_CONTTIME	40				
ISGYQUAAUS_LR_CONTTIMESQ	48				
ISGYQUAAUS_NEXT	8				
ISGYQUAAUS_NEXT31	C				
ISGYQUAAUS_QRESCOUNT	108				
ISGYQUAAUS_QRESCOUNTSQ	F8				
ISGYQUAAUS_QSCANSTATS	E8				
ISGYQUAAUS_QSPECCOUNT	F0				
ISGYQUAAUS_QTIME	110				
ISGYQUAAUS_QTIMESQ	118				
ISGYQUAAUS_QTOTALCOUNT	E8				
ISGYQUAAUS_STOKEN	10				
ISGYQUAAUS_VERSION	0				
ISGYQUAAUSERDATA_KINITIALLEN	C	20			

ISGYREPL Information

ISGYREPL Programming Interface information

Programming Interface information

ISGYREPL

End of Programming Interface information

ISGYREPL Heading Information • ISGYREPL Map

ISGYREPL Heading Information

Common Name: RNL Exit Parameter List
Macro ID: ISGYREPL
DSECT Name: REPL
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: REPL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
 Residency: Above the 16M line
Size: LENGTH(REPL)
 REPL -- X'0048' bytes
Created by: ISGGRX
Pointed to by: R1 points to the REPL on entry to the exit routine
Serialization: N/A
Function: The RNL Exit Parameter List provides an installation provided exit (installed at the ISGNNQXT exit point) the ability to modify attributes of an ENQ, RESERVE or DEQ request.
 The exit routine may change any of the following values in the REPL. Appropriate changes will be made to the request.

Value	Flag

Repl_QName	Repl_RF1_ChangeQName
Repl_RName, Repl_RnameLen	Repl_RF1_ChangeRName (1)
Repl_Scope	Repl_RF1_ChangeScope
Repl_Ucb@	Repl_RF1_ChangeUCB@
(to bypass RNL processing) Repl_RF1_BypassRNLs	
(1) When changing the RName, do not alter Repl_RName alter the storage specified by the address. The routine calling the exit provides enough storage to save a 255 byte RName at that address.	

ISGYREPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	REPL	
0	(0)	CHARACTER	4	REPL_ID	Eyecatcher
4	(4)	CHARACTER	8	REPL_QNAME	Request QNAME
12	(C)	ADDRESS	4	REPL_RNAME@	Pointer to request RNAME
16	(10)	BITSTRING	1	REPL_RNAMELEN	Length of request RNAME
17	(11)	BITSTRING	1	REPL_SCOPE	Request scope, see Repl_kScope values
18	(12)	CHARACTER	2		Reserved
20	(14)	ADDRESS	4	REPL_UCB@	Pointer to UCB (set for RESERVE or DEQ with UCB requests)
24	(18)	CHARACTER	6	REPL_VOLSER	VOLSER of RESERVE UCB
30	(1E)	CHARACTER	2		Reserved
32	(20)	ADDRESS	4	REPL_ASCB@	Pointer to requester's ASCB
36	(24)	ADDRESS	4	REPL_TCB@	Pointer to requester's TCB or directed TCB if TCB= was specified
40	(28)	CHARACTER	8	REPL_JOBNAME	Requester's Jobname
48	(30)	CHARACTER	8	REPL_SYSNAME	Requester's Sysname
56	(38)	CHARACTER	4	REPL_STATEFLAGS	
				(0)	State flags
56	(38)	BITSTRING	1	REPL_STATEFLAGS1	
				(0)	First byte of state flags
		1...		REPL_SF1_ENQ	"X'80" When 1, request is ENQ/RESERVE, when 0, request is DEQ
		.1.		REPL_SF1_RNLEQNO	"X'40" RNL=NO was specified on the request: a change to the scope by the exit will not be honored
		..1.		REPL_SF1_AUTHORIZED	"X'20" Caller is authorized
		...1		REPL_SF1_RETEQTEST	"X'10" Request is RET=TEST (for ENQ requests)
		.... 1...		REPL_SF1_SHARE	"X'08" For ENQ/RESERVE requests, when 1 request is for shared access, when 0, request is for exclusive access
57	(39)	CHARACTER	3		Reserved
60	(3C)	CHARACTER	4	REPL_REQUESTFLAGS	
				(0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
60	(3C)	BITSTRING 1... ..	1	REPL_FLAGS1 (0)	Request flags First byte of state flags
		..1.		REPL_RF1_BYPASSRNL	"X'80" When 1, request that RNL processing is to be bypassed
		...1.		REPL_RF1_CHANGEQNAME	"X'40" When 1, request that the QNAME be changed
		.... 1...		REPL_RF1_CHANGERNAME	"X'20" When 1, request that the RNAME be changed
				REPL_RF1_CHANGESCOPE	"X'10" When 1, request that the Scope be changed
61	(3D)	CHARACTER	3		Reserved
64	(40)	CHARACTER	8		Reserved
72	(48)	CHARACTER	1	REPL_END (0)	End of REPL

Comment

REPL Constants

End of Comment

72	(48)	X'C5D7D3'	0	REPL_KID	"C'REPL" Used to identify control block
72	(48)	X'1'	0	REPL_KSCOPESYSTEM	"1" Scope=System
72	(48)	X'2'	0	REPL_KSCOPESYSTEMS	"2" Scope=Systems
72	(48)	X'48'	0	REPL_LEN	"*-REPL"

ISGYREPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
REPL	0			38	
REPL_ASCB@	20		REPL_SYSNAME	30	
REPL_END	48		REPL_TCB@	24	
REPL_FLAGS1	3C		REPL_UCB@	14	
REPL_ID	0		REPL_VOLSER	18	
REPL_JOBNAME	28				
REPL_KID	48	C5D7D3			
REPL_KSCOPESYSTEM	48	1			
REPL_KSCOPESYSTEMS	48	2			
REPL_LEN	48	48			
REPL_QNAME	4				
REPL_REQUESTFLAGS	3C				
REPL_RF1_BYPASSRNL	3C	80			
REPL_RF1_CHANGEQNAME	3C	40			
REPL_RF1_CHANGERNAME	3C	20			
REPL_RF1_CHANGESCOPE	3C	10			
REPL_RF1_CHANGEUCB@	3C	8			
REPL_RNAME@	C				
REPL_RNAMELEN	10				
REPL_SCOPE	11				
REPL_SF1_AUTHORIZED	38	20			
REPL_SF1_ENQ	38	80			
REPL_SF1_RETEQTEST	38	10			
REPL_SF1_RNLEQNO	38	40			
REPL_SF1_SHARE	38	8			
REPL_STATEFLAGS	38				
REPL_STATEFLAGS1	38				

ITK Information

ITK Programming Interface information

Programming Interface information

ITK

End of Programming Interface information

ITK Heading Information • ITK Map

ITK Heading Information

Common Name: TABLE OF CONVERTER/INTERPRETER KEYS
Macro ID: IEFVKEYS
DSECT Name: None
Owning Component: MVS Converter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: This macro provides constants for the key values found in the Converter Interpreter (C/I) Text string.

ITK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ETEND	"X'00" * NONE DICTIONARY END 19874
Comment					
EQU X'01' DD RESERVED 19874 EQU X'02' DD RESERVED 19874 EQU X'03' DD RESERVED 19874 EQU X'04' DD RESERVED 19874 EQU X'05' DD RESERVED 19874 EQU X'06' DD RESERVED 19874 EQU X'07' DD RESERVED 19874 EQU X'08' DD RESERVED 19874 EQU X'09' DD RESERVED 19874 EQU X'0A' DD RESERVED 19874 EQU X'0B' DD RESERVED 19874 EQU X'0C' DD RESERVED 19874 EQU X'0D' DD RESERVED 19874 EQU X'0E' DD RESERVED 19874 EQU X'0F' DD RESERVED 19874 EQU X'10' DD RESERVED 19874 EQU X'11' DD RESERVED 19874 EQU X'12' DD RESERVED 19874					
End of Comment					
	...1	..11		SYMBOLSK	"X'13" * DD SYMBOLS keyword Internal key - set by Converter, used by JES
	...1	..1.		SYSINSQK	"X'14" * DD SYSIN sequence number Internal key - set by Converter, used by JES
	...1	..1.1		EXPDTK	"X'15" * DD EXPDT= MAJOR KEYWORD INTERNAL KEY - USED IN CONVERTER ONLY
	...1	..11.		RETPDK	"X'16" * DD RETPD= MAJOR KEYWORD INTERNAL KEY - USED IN CONVERTER ONLY
	...1	..111		JDTOVRDK	"X'17" * DD OVERRIDE FORM OF SJF KEYWORD
	...1	1..		SPLATK	"X'18" * DD * - INTERNAL KEY NOT USED IN INTERNAL TEXT
	...1	1..1		DATAK	"X'19" * DD DATA - INTERNAL KEY NOT USED IN INTERNAL TEXT
	...1	1..1.		JDTKWWDK	"X'1A" * DD JDT-DEFINED KEYWORD
	...1	1..11		PROTECTK	"X'1B" * DD PROTECT=
	...1	11..		SUBSYSK	"X'1C" * DD SUBSYS=
	...1	11.1		CHARSK	"X'1D" * DD CHARS=
	...1	111.		MODIFYK	"X'1E" * DD MODIFY=
	...1	1111		FLASHK	"X'1F" * DD FLASH=
	..1.	....		BURSTK	"X'20" * DD BURST=
	..1.	...1		DSIDK	"X'21" * DD DSID=
	..1.	..1.		MSVGPK	"X'22" * DD MSVGP=
	..1.	..11		HOLDK	"X'23" * DD HOLD= Y02668
	..1.	..1.		SYSINCK	"X'24" * DD INTERNAL KEY- NUMBER SYSIN RECORDS SPOOLED BY JES Y02668
	..1.	..1.1		DESTK	"X'25" * DD DEST= Y02668
	..1.	..11.		FRIDMK	"X'26" * DD FRID= Y02670
	..1.	..111		FREEK	"X'27" * DD FREE= Y02670
	..1.	1..		AMPK	"X'28" * DD AMP= Y01113
	..1.	1..1		FUNCMK	"X'29" * DD FUNC= 21088
	..1.	1..1.		DIAGNSK	"X'2A" * DD DIAGNS= I21042

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1. 1.11		DLMK	"X'2B" * DD DLM= 21009
		..1. 11..		FCBK	"X'2C" * DD FCB= 20202
		..1. 11.1		TERMK	"X'2D" * DD TERM= 20002
		..1. 111.		THRESHMK	"X'2E" * DD THRESH= 20001
		..1. 1111		RESERVMK	"X'2F" * DD RESERVE= 20002
		..11		PCIMK	"X'30" * DD PCI= 20002
		..11 ...1		BUFMAXMK	"X'31" * DD BUFMAX= 20002
		..11 ..1.		BUFOUTMK	"X'32" * DD BUFOUT= 20002
		..11 ..11		BUFINMK	"X'33" * DD BUFIN= 20002
		..11 .1..		BUFSIZMK	"X'34" * DD BUFSIZE= 20002
		..11 .1.1		DYNAK	"X'35" * DD DYNAM 20002
		..11 .11.		QNAMEK	"X'36" * DD QNAME= 20002
		..11 .111		BUFOFFMK	"X'37" * DD BUFOFF 19200
		..11 1..		OUTLIMK	"X'38" * DD OUTLIM 19028
		..11 1.1		IPLTXIDK	"X'39" * DD IPLTXID= Y01948
		..11 1.1.		COPIESK	"X'3A" * DD COPIES= Y02668
		..11 1.11		GDSORGMK	"X'3B" * DD GDSORG= 19874
		..11 11..		GNCPMK	"X'3C" * DD GNCP= 19874
		..11 11.1		UCSK	"X'3D" * DD UCS= 19874
		..11 111.		DUMMK	"X'3E" * DD DUMMY 19874
		..11 1111		CHKPTK	"X'3F" * DD CHKPT=
		..1.		DCBK	"X'40" * DD DCB= 19874
		..1. ...1		UNITK	"X'41" * DD UNIT= 19874
		..1. ..1.		LABELK	"X'42" * DD LABEL= 19874
		..1. ...11		VOLUMEK	"X'43" * DD VOLUME= 19874
		..1. .1..		AFFK	"X'44" * DD AFF= 19874
		..1. .1.1		SEPK	"X'45" * DD SEP= 19874
		..1. .11.		DISPK	"X'46" * DD DISP= 19874
		..1. .111		SPACEK	"X'47" * DD SPACE= 19874
		..1. 1...		SPLITK	"X'48" * DD SPLIT= 19874
		..1. 1.1		DDNAMEK	"X'49" * DD DDNAME= 19874
		..1. 1.1.		DSNAMEK	"X'4A" * DD DSNAME= 19874
		..1. 1.11		SYSOUTK	"X'4B" * DD SYSOUT= 19874
		..1. 11..		SUBALLOK	"X'4C" * DD SUBALLOC= 19874
		..1. 11.1		AFFMK	"X'4D" * DD AFF= MINOR 19874
		..1. 111.		SEPMK	"X'4E" * DD SEP= MINOR 19874
		..1. 1111		SERMK	"X'4F" * DD SER= 19874
		..1.		REFMK	"X'50" * DD REF= 19874
		..1. ...1		EXPDTMK	"X'51" * DD EXPDT= MINOR KEYWORD 19874
		..1. ..1.		RETPDMK	"X'52" * DD RETPD= MINOR KEYWORD 19874
		..1. ...11		BFALNMK	"X'53" * DD BFALN= 19874
		..1. .1..		BFTEKMK	"X'54" * DD BFTEK= 19874
		..1. .1.1		BLKSIZMK	"X'55" * DD BLKSIZE= 19874
		..1. .11.		BUFLMK	"X'56" * DD BUFL= 19874
		..1. .111		BUFNOMK	"X'57" * DD BUENO= 19874
		..1. 1...		BUFRQMK	"X'58" * DD BUFRQ= 19874
		..1. 1.1		CODEMK	"X'59" * DD CODE= 19874
		..1. 1.1.		CPRIMK	"X'5A" * DD CPRI= 19874
		..1. 1.11		CYLOFLMK	"X'5B" * DD CYLOFL= 19874
		..1. 11..		HIARCHMK	"X'5C" * DD HIARCHY= 19874
		..1. 11.1		DENMK	"X'5D" * DD DEN= 19874
		..1. 111.		DSORGMK	"X'5E" * DD DSORG= 19874
		..1. 1111		EROPTMK	"X'5F" * DD EROPT= 19874
		..11		INTVLMK	"X'60" * DD INTVL= 19874
		..11. ...1		KEYLENMK	"X'61" * DD KEYLEN= 19874
		..11. ..1.		LIMCTMK	"X'62" * DD LIMCT= 19874
		..11. ...11		LRECLMK	"X'63" * DD LRECL= 19874
		..11. .1..		MODEMK	"X'64" * DD MODE = 19874
		..11. .1.1		NCPMK	"X'65" * DD NCP= 19874
		..11. .11.		NTMMK	"X'66" * DD NTM= 19874
		..11. .111		OPTCDMK	"X'67" * DD OPTCD= 19874
		..11. 1...		PRTSPMK	"X'68" * DD PRTSP= 19874
		..11. 1.1		RECFMMK	"X'69" * DD RECFM= 19874
		..11. 1.1.		RKPMK	"X'6A" * DD RKP= 19874
		..11. 1.11		SOWAMK	"X'6B" * DD SOWA= 19874
		..11. 11..		STACKMK	"X'6C" * DD STACK= 19874
		..11. 11.1		TRTCHMK	"X'6D" * DD TRTCH= 19874
		..11. 111.		DDK	"X'6E" * DD DD 19874

ITK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
EQU X'6F'		EXEC RESERVED	19874		
EQU X'70'		EXEC RESERVED	19874		
EQU X'71'		EXEC RESERVED	19874		
EQU X'72'		EXEC RESERVED	19874		
EQU X'73'		EXEC RESERVED	19874		
EQU X'74'		EXEC RESERVED	19874		
End of Comment					
	.111	.1.1		PMDDPEK	"X'75" * EXEC PARMDD.
	.111	.11.		PMDDEEK	"X'76" * EXEC PARMDD=
	.111	.111		MEMLPEK	"X'77" * EXEC MEMLIMIT.
	.111	1...		MEMLEEK	"X'78" * EXEC MEMLIMIT=
	.111	1..1		CONDDEK	"X'79" * EXEC COND= IN CI TEXT OBTAINED FROM COND. OVERRIDE
	.111	1.1.		PRSTEPK	"X'7A" * EXEC NAME ON EXEC STATEMENT THAT INVOKES A PROCEDURE
	.111	1.11		DYNMPEK	"X'7B" * EXEC DYNAMNBR. Y02670
	.111	11..		DYNMEEK	"X'7C" * EXEC DYNAMNBR= Y02670
	.111	11.1		PRFMPEK	"X'7D" * EXEC PERFORM. Y02655
	.111	111.		PRFMEEK	"X'7E" * EXEC PERFORM= Y02655
	.111	1111		ADRSPPEK	"X'7F" * EXEC ADDRSPC. Y01029
	1...	....		ADRSPPEK	"X'80" * EXEC ADDRSPC= Y01029
	1...	...1		SDPPEK	"X'81" * EXEC DPRTY. 19874
	1...	.1.1		SDPEEK	"X'82" * EXEC DPRTY= 19874
Comment					
EQU X'83'		EXEC RESERVED	Y02668		
End of Comment					
	1...	.1..		RDEEK	"X'84" * EXEC RD= 19874
	1...	.1.1		RDPEK	"X'85" * EXEC RD. 19874
	1...	.11.		ROLLPEK	"X'86" * EXE ROLL. 19874
	1...	.111		ROLLEEK	"X'87" * EXE ROLL= 19874
	1...	1...		REGINPEK	"X'88" * EXEC REGION. 19874
	1...	1..1		REGINEEK	"X'89" * EXEC REGION= 19874
	1...	1.1.		PGMEK	"X'8A" * EXEC PGM= 19874
	1...	1.11		PROCEK	"X'8B" * EXEC PROC= 19874
	1...	11..		ACCTPEK	"X'8C" * EXEC ACCT. 19874
	1...	11.1		CONDPEK	"X'8D" * EXEC COND. 19874
	1...	111.		PARMPEK	"X'8E" * EXEC PARM. 19874
	1...	1111		TIMEPEK	"X'8F" * EXEC TIME. 19874
	1.1	....		ACCTEEK	"X'90" * EXEC ACCT= 19874
	1.1	...1		CONDEEK	"X'91" * EXEC COND= 19874
	1.1	.1.		PARMEEK	"X'92" * EXEC PARM= 19874
	1.1	.11		TIMEEEK	"X'93" * EXEC TIME= 19874
	1.1	.1..		EXECK	"X'94" * EXEC EXEC 19874
Comment					
EQU X'95'		JOB RESERVED	19874		
EQU X'96'		JOB RESERVED	19874		
EQU X'97'		JOB RESERVED	19874		
EQU X'98'		JOB RESERVED	19874		
EQU X'99'		JOB RESERVED	19874		
EQU X'9A'		JOB RESERVED	19874		
EQU X'9B'		JOB RESERVED	19874		
EQU X'9C'		JOB RESERVED	19874		
EQU X'9D'		JOB RESERVED	19874		
EQU X'9E'		JOB RESERVED	19874		
EQU X'9F'		JOB RESERVED	19874		
EQU X'A0'		JOB RESERVED	19874		
End of Comment					
	1.1.	...1		MEMLIMJK	"X'A1" * JOB MEMLIMIT=
	1.1.	.1.1		JCLVERNK	"X'A2" * JOB JCL VERSION NUMBER
	1.1.	.1.11		GROUPK	"X'A3" * JOB GROUP=
	1.1.	.1..		PASSWORDK	"X'A4" * JOB PASSWORD=
	1.1.	.1.1		USERK	"X'A5" * JOB USER=
	1.1.	.11.		PRFMJK	"X'A6" * JOB PERFORM= Y02655
	1.1.	.111		ADRSPJK	"X'A7" * JOB ADDRSPC= Y01029

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1.1. 1...		NOTIFYJK	"X'A8" * JOB NOTIFY= 20001
		1.1. 1..1		TIMEJK	"X'A9" * JOB TIME= 19874
		1.1. 1.1.		RESTARJK	"X'AA" * JOB RESTART= 19874
		1.1. 1.11		RDJK	"X'AB" * JOB RD= 19874
		1.1. 11..		ROLLJK	"X'AC" * JOB ROLL= 19874
		1.1. 11.1		CLASSJK	"X'AD" * JOB CLASS= 19874
		1.1. 111.		REGINJK	"X'AE" * JOB REGION= 19874
		1.1. 1111		CONDJK	"X'AF" * JOB COND= 19874
		1.11		PRTYJK	"X'B0" * JOB PRTY= 19874
		1.11 ...1		TYPRUNJK	"X'B1" * JOB TYPRUN= 19874
		1.11 ..1.		MSGCLAJK	"X'B2" * JOB MSGCLASS= 19874
		1.11 ..11		MSGLEVJK	"X'B3" * JOB MSGLEVEL= 19874
		1.11 .1..		JOBK	"X'B4" * JOB JOB 19874

Comment

EQU X'B5' RESERVED RESERVED 19874
 EQU X'B6' RESERVED RESERVED 19874
 EQU X'B7' RESERVED RESERVED 19874
 EQU X'B8' RESERVED RESERVED 19874
 EQU X'B9' RESERVED RESERVED 19874
 EQU X'BA' RESERVED RESERVED 19874
 EQU X'BB' RESERVED RESERVED 19874
 EQU X'BC' RESERVED RESERVED 19874
 EQU X'BD' RESERVED RESERVED 19874

End of Comment

1.11 111.		JDTVERBK	"X'BE" * JDVB JDT-DEFINED VERB
1.11 1111		IFVERBK	"X'BF" * IF IF VERB
11..		ELSVBRBK	"X'CO" * ELSE ELSE VERB
11.. ...1		EIFVERBK	"X'C1" * ENDIF ENDIF VERB

Comment

EQU X'C2' RESERVED RESERVED 19874
 EQU X'C3' RESERVED RESERVED 19874
 EQU X'C4' RESERVED RESERVED 19874
 EQU X'C5' RESERVED RESERVED 19874
 EQU X'C6' RESERVED RESERVED 19874
 EQU X'C7' RESERVED RESERVED 19874
 EQU X'C8' RESERVED RESERVED 19874
 EQU X'C9' RESERVED RESERVED 19874
 EQU X'CA' RESERVED RESERVED 19874
 EQU X'CB' RESERVED RESERVED 19874
 EQU X'CC' RESERVED RESERVED 19874
 EQU X'CD' RESERVED RESERVED 19874
 EQU X'CE' RESERVED RESERVED 19874
 EQU X'CF' RESERVED RESERVED 19874
 EQU X'D0' RESERVED RESERVED 19874
 EQU X'D1' RESERVED RESERVED 19874
 EQU X'D2' RESERVED RESERVED 19874
 EQU X'D3' RESERVED RESERVED 19874
 EQU X'D4' RESERVED RESERVED 19874
 EQU X'D5' RESERVED RESERVED 19874
 EQU X'D6' RESERVED RESERVED 19874
 EQU X'D7' RESERVED RESERVED 19874
 EQU X'D8' RESERVED RESERVED 19874
 EQU X'D9' RESERVED RESERVED 19874
 EQU X'DA' RESERVED RESERVED 19874
 EQU X'DB' RESERVED RESERVED 19874
 EQU X'DC' RESERVED RESERVED 19874
 EQU X'DD' RESERVED RESERVED 19874
 EQU X'DE' RESERVED RESERVED 19874
 EQU X'DF' RESERVED RESERVED 19874
 EQU X'E0' RESERVED RESERVED 19874
 EQU X'E1' RESERVED RESERVED 19874
 EQU X'E2' RESERVED RESERVED 19874
 EQU X'E3' RESERVED RESERVED 19874
 EQU X'E4' RESERVED RESERVED 19874
 EQU X'E5' RESERVED RESERVED 19874
 EQU X'E6' RESERVED RESERVED 19874

ITK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		EQU X'E7' RESERVED	RESERVED	19874	
		EQU X'E8' RESERVED	RESERVED	19874	
		EQU X'E9' RESERVED	RESERVED	19874	
		EQU X'EA' RESERVED	RESERVED	19874	
		EQU X'EB' RESERVED	RESERVED	19874	
		EQU X'EC' RESERVED	RESERVED	19874	
		EQU X'ED' RESERVED	RESERVED	19874	
		EQU X'EE' RESERVED	RESERVED	19874	
		EQU X'EF' RESERVED	RESERVED FOR MULTI-BYTE KEY	19874	
End of Comment					
	1111	....		INTKEY1	"X'F0" * INTERNAL KEY 19874
	1111	...1		INTKEY2	"X'F1" * INTERNAL KEY 19874
	1111	..1		INTKEY3	"X'F2" * INTERNAL KEY 19874
	1111	..11		INTKEY4	"X'F3" * INTERNAL KEY 19874
	1111	.1..		INTKEY5	"X'F4" * INTERNAL KEY 19874
	1111	.1.1		INTKEY6	"X'F5" * INTERNAL KEY RESERVED 19874
	1111	.11.		INTKEY7	"X'F6" * INTERNAL KEY RESERVED 19874
	1111	.111		INTKEY8	"X'F7" * INTERNAL KEY RESERVED 19874
	1111	1...		INTKEY9	"X'F8" * INTERNAL KEY RESERVED 19874
	1111	1..1		INTKEYA	"X'F9" * INTERNAL KEY RESERVED 19874
	1111	1.1.		INTKEYB	"X'FA" * INTERNAL KEY RESERVED 19874
	1111	1.11		INTKEYC	"X'FB" * INTERNAL KEY RESERVED 19874
Comment					
		EQU X'FC' NONE			
		EQU X'FD' NONE			
End of Comment					
	1111	111.		ENDK	"X'FE" * NONE END KEY 19874
	1111	1111		ENDIND	"X'FF" * NONE END OF MODULE INDICATOR 19874
Comment					
		IF-EXPRESSION KEYS			
		NOTE:			
		THE KEYS FOR THE IF STATEMENT DO NOT HAVE TO BE UNIQUE FROM			
		KEYS ON THE OTHER STATEMENT TYPES SINCE THEY ARE NOT PROCESSED			
		THROUGH THE PDTS.			
End of Comment					
	....	...1		IFJRCK	"X'01" * IF JOB LEVEL RC
	....	..1.		IFSRCK	"X'02" * IF STEP LEVEL RC
	....	..11		IFRCK	"X'03" * IF RC
	....	.1..		IFJABCK	"X'04" * IF JOB ABEND CODE
	....	.1.1		IFSABCK	"X'05" * IF STEP ABEND CODE
	....	.11.		IFUABCK	"X'06" * IF USER ABEND CODE
	....	.111		IFSABCK	"X'07" * IF SYSTEM ABEND CODE
	....	1...		IFJABNDK	"X'08" * IF JOB ABEND
	....	1..1		IFSABNDK	"X'09" * IF STEP ABEND
	....	1.1.		IFSRUNK	"X'0A" * IF STEP RUN
	....	1.11		IFBOOLK	"X'0B" * IF BOOLEAN
	....	11..		IFOPERK	"X'0C" * IF OPERATOR

ITK Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ACCTEEK	0	90	IFSABCCCK	0	5
ACCTPEK	0	8C	IFSABCK	0	7
ADRSPPEEK	0	80	IFSABNDK	0	9
ADRSPJK	0	A7	IFSRCK	0	2
ADRSPPEK	0	7F	IFSRUNK	0	A
AFFK	0	44	IFUABCK	0	6
AFFMK	0	4D	IFVERBK	0	BF
AMPK	0	28	INTKEYA	0	F9
BFALNMK	0	53	INTKEYB	0	FA
BFTEKMK	0	54	INTKEYC	0	FB
BLKSIZMK	0	55	INTKEY1	0	F0
BUFINMK	0	33	INTKEY2	0	F1
BUFLMK	0	56	INTKEY3	0	F2
BUFMAXMK	0	31	INTKEY4	0	F3
BUFNOMK	0	57	INTKEY5	0	F4
BUFOFFMK	0	37	INTKEY6	0	F5
BUFOUTMK	0	32	INTKEY7	0	F6
BUFRQMK	0	58	INTKEY8	0	F7
BUFSIZMK	0	34	INTKEY9	0	F8
BURSTK	0	20	INTVLMK	0	60
CHARSK	0	1D	IPLTXIDK	0	39
CHKPTK	0	3F	JCLVERNK	0	A2
CLASSJK	0	AD	JDTKWWDK	0	1A
CODEMK	0	59	JDTOVRDK	0	17
CONDDEK	0	79	JDTVERBK	0	BE
CONDEEK	0	91	JOBK	0	B4
CONDJK	0	AF	KEYLENMK	0	61
CONDPEK	0	8D	LABELK	0	42
COPIESK	0	3A	LIMCTMK	0	62
CPRIMK	0	5A	LRECLMK	0	63
CYLOFLMK	0	5B	MEMLEEK	0	78
DATAK	0	19	MEMLIMJK	0	A1
DCBK	0	40	MEMLPEK	0	77
DDK	0	6E	MODEMK	0	64
DDNAMEK	0	49	MODIFYK	0	1E
DENMK	0	5D	MSGCLAJK	0	B2
DESTK	0	25	MSGLEVJK	0	B3
DIAGNSK	0	2A	MSVGPK	0	22
DISPK	0	46	NCPMK	0	65
DLMK	0	2B	NOTIFYJK	0	A8
DSIDK	0	21	NTMMK	0	66
DSNAMEK	0	4A	OPTCDMK	0	67
DSORGMK	0	5E	OUTLIMK	0	38
DUMMK	0	3E	PARMEEK	0	92
DYNAK	0	35	PARMPEK	0	8E
DYNMEEK	0	7C	PASSWORDK	0	A4
DYNMPEK	0	7B	PCIMK	0	30
EIFVERBK	0	C1	PGMEK	0	8A
ELSVVERBK	0	C0	PMDDEEK	0	76
ENDIND	0	FF	PMDDEEK	0	75
ENDK	0	FE	PRFMEEK	0	7E
EROPTMK	0	5F	PRFMJK	0	A6
ETEND	0	0	PRFMPEK	0	7D
EXECK	0	94	PROCEK	0	8B
EXPDTK	0	15	PROTECTK	0	1B
EXPDTMK	0	51	PRSTEPK	0	7A
FCBK	0	2C	PRTSPMK	0	68
FLASHK	0	1F	PRTYJK	0	B0
FREEK	0	27	QNAMEK	0	36
FRIDMK	0	26	RDEEK	0	84
FUNCMK	0	29	RDJK	0	AB
GDSORGMK	0	3B	RDPEK	0	85
GNCPMK	0	3C	RECFMMK	0	69
GROUPK	0	A3	REFMK	0	50
HIARCHMK	0	5C	REGINEEK	0	89
HOLDK	0	23	REGINJK	0	AE
IFBOOLK	0	B	REGINPEK	0	88
IFJABCCCK	0	4	RESERVMK	0	2F
IFJABNDK	0	8	RESTARJK	0	AA
IFJRCK	0	1	RETPDK	0	16
IFOPEK	0	C	RETPDMK	0	52
IFRCK	0	3	RKPMK	0	6A

ITK Cross Reference

Name	Hex Offset	Hex Value
ROLLEEK	0	87
ROLLJK	0	AC
ROLLPEK	0	86
SDPEEK	0	82
SDPPEK	0	81
SEPK	0	45
SEPMK	0	4E
SERMK	0	4F
SOWAMK	0	6B
SPACEK	0	47
SPLATK	0	18
SPLITK	0	48
STACKMK	0	6C
SUBALLOK	0	4C
SUBSYSK	0	1C
SYMBOLSK	0	13
SYSINCTK	0	24
SYSINSQK	0	14
SYSOUTK	0	4B
TERMK	0	2D
THRESHMK	0	2E
TIMEEEK	0	93
TIMEJK	0	A9
TIMEPEK	0	8F
TRTCHMK	0	6D
TYPRUNJK	0	B1
UCSK	0	3D
UNITK	0	41
USERK	0	A5
VOLUMEK	0	43

ITTCTE Information

ITTCTE Programming Interface information

Programming Interface information

ITTCTE

End of Programming Interface information

ITTCTE Heading Information • ITTCTE Cross Reference

ITTCTE Heading Information

Common Name: Component Trace Element
Macro ID: ITTCTE
DSECT Name: CTE
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by the user component
 Key: Determined by the user component
 Residency: Determined by the user component
Size: Variable < 64K bytes on a halfword boundary.
 WARNING: The size of the CTEVDATA area should not exceed 60K bytes. This is to allow for future expansions of the fixed portions of the CTE.
Created by: User component traces
 INITIALIZED BY: User component traces
Pointed to by: User components' component trace base
Serialization: determined by the user component
Function: 'CTE's are created by individual component traces and contain component specific trace information in key-length-data format.

ITTCTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTE	
0	(0)	CHARACTER	16	CTEFDATA	* Fixed length portion
0	(0)	CHARACTER	4	CTEPROG	* Prologue
0	(0)	SIGNED	2	CTELENP	* CTE length in bytes
2	(2)	SIGNED	2	CTEOFF	* Offset to CTEVDATA from CTE
4	(4)	CHARACTER	12	CTECDATA	* Common portion of CTE
4	(4)	BITSTRING	4	CTEFMTID	* Format id key
8	(8)	BITSTRING	8	CTETIME	* Time stamp
16	(10)	SIGNED	2	CTEVDATA (0)	* Variable portion, 64k byte limit
16	(10)	X'F000'	0	CTEVDATAMAX	"61440" 60K limit for CTEVDATA size

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTEEPLG	
0	(0)	SIGNED	2	CTELENE	* CTE epilog used to place the halfword length at the end of the CTE

ITTCTE Cross Reference

Name	Hex Offset	Hex Value
CTE	0	
CTECDATA	4	
CTEEPLG	0	
CTEFDATA	0	
CTEFMTID	4	
CTELENE	0	
CTELENP	0	
CTEOFF	2	
CTEPROG	0	
CTETIME	8	
CTEVDATA	10	
CTEVDATAMAX	10	F000

ITTUIPRM Information

ITTUIPRM Programming Interface information

Programming Interface information

ITTUIPRM

End of Programming Interface information

ITTUIPRM Heading Information • ITTUIPRM Cross Reference

ITTUIPRM Heading Information

Common Name: ITTUINIT parm block
Macro ID: ITTUIPRM
DSECT Name: IPRM
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: ITTUIPRM
 Offset: 0
 Length: 8
Storage Attributes: Subpool: Determined by the user component
 Key: Determined by the user component
 Residency: Determined by the user component
Size: Variable, 52 bytes in initial version
Created by: User component traces
 INITIALIZED BY: User component traces
Pointed to by: Parameter list to ITTUINIT
Serialization: determined by the user component
Function: Supply unauthorized external CTRACE options from the tracing component to CTRACE component entry point ITTUINIT. ITTUIPRM is passed fully-initialized to ITTUINIT. ITTUINIT updates token field IPRMTOK to a non-zero value when it is successful as well as supplying return code 0. ITTUINIT returns a zero IPRMTOK when it is not successful as well as supplying a non-zero return code.

ITTUIPRM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IPRM	, ITTUINIT parm block
0	(0)	SIGNED	4	(0)	Align on fullword boundary
0	(0)	CHARACTER	8	IPRMID	Identifier
8	(8)	ADDRESS	1	IPRMLVL	Modification level
8	(8)	X'1'	0	IPRMLVL1	"1" Initial modification level
9	(9)	BITSTRING	1	IPRMF	Options flags
		1...		IPRMFNW	"BIT0" NOWRAP option
10	(A)	ADDRESS	2	IPRMLEN	Length of ITTUIPRM passed
12	(C)	CHARACTER	8	IPRMCOMP	Component name
20	(14)	CHARACTER	8	IPRMFTB	Format table name
28	(1C)	CHARACTER	8	IPRMDD	DDNAME for external CTRACE
36	(24)	BITSTRING	8	IPRMTOK	External CTRACE token (output)
44	(2C)	SIGNED	4	IPRMMAXL	Maximum ITTCTE length
48	(30)	SIGNED	4	IPRMVIRT	Virtual storage for buffers
52	(34)	SIGNED	4	IPRMEND (0)	End of ITTUIPRM

ITTUIPRM Cross Reference

Name	Hex Offset	Hex Value
IPRM	0	
IPRMCOMP	C	40404040
IPRMDD	1C	40404040
IPRMEND	34	
IPRMF	9	0
IPRMFTB	14	40404040
IPRMFNW	9	80
IPRMID	0	C9E3E3E4
IPRMLEN	A	34
IPRMLVL	8	
IPRMLVL1	8	1
IPRMMAXL	2C	7D00
IPRMTOK	24	0
IPRMVIRT	30	200000

ITZENF60 Information

ITZENF60 Programming Interface information

Programming Interface information

ITZENF60

End of Programming Interface information

ITZENF60 Heading Information • ITZENF60 Map

ITZENF60 Heading Information

Common Name: ENF Signal 60 Parameter List
Macro ID: ITZENF60
DSECT Name: TTRENF60
Owning Component: Transaction Trace (SCTTR)
Eye-Catcher ID: ENF60
 Offset: ENF60_ID-TTRENF60
 Length: L'ENF60_ID
Storage Attributes: Key: 0
 Residency: Above 16M line, in the private storage of the address space in which the listen exit receives control.
Size: See assembly listing
Created by: ITZCC
Pointed to by: N/A
Serialization: None
Function: Maps the ENF 60 parameter list received by ENF listen exits.
 This event occurs when a Transaction Trace command is accepted.

ITZENF60 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TTRENF60	ENF60 mapping
0	(0)	CHARACTER	6	ENF60_ID	Eye catcher 'ENF60 '
6	(6)	BITSTRING	1	ENF60_VERSION	Version of mapping
6	(6)	X'1'	0	ENF60_VONE	"1" Version 1
6	(6)	X'1'	0	ENF60_CVER	"ENF60_VONE" Current version
7	(7)	BITSTRING	1		Reserved
8	(8)	SIGNED	4	ENF60_LENGTH	Length of parameter list
12	(C)	SIGNED	4	ENF60_QUAL (0)	ENF signal 60 qualifiers
12	(C)	BITSTRING	1	ENF60_BYTE1	Qualifier Byte 1
		1... ..		ENF60_TON	"X'80" TTrace is turned on
		.1.		ENF60_TFA	"X'40" TTrace filter set addition
		..1.		ENF60_TFR	"X'20" TTrace filter set removal
		...1		ENF60_TOFF	"X'10" TTrace is turned off
13	(D)	BITSTRING	1	ENF60_BYTE2	Qualifier Byte 2
		1... ..		ENF60_WST	"X'80" CTRACE External writer started
		.1.		ENF60_WSP	"X'40" CTRACE External writer stopped
		..1.		ENF60_LTN	"X'20" LATENT=N specified
		...1		ENF60_LTY	"X'10" LATENT=Y specified
		.... 1..		ENF60_BUF	"X'08" BUFSIZ= specified
14	(E)	BITSTRING	1	ENF60_BYTE3	Qualifier Byte 3
15	(F)	BITSTRING	1	ENF60_BYTE4	Qualifier Byte 4
16	(10)	CHARACTER	8	ENF60_SYSNM	Name of the system on which the event occurred
24	(18)	CHARACTER	7	ENF60_WTR	Writer procname
31	(1F)	CHARACTER	1		- reserved
32	(20)	SIGNED	4	ENF60_BFSZ	Buffer size (in binary)
36	(24)	BITSTRING	1	ENF60_SEQN	Filter seq. num for ON or OFF
37	(25)	BITSTRING	1	ENF60_LVL	Filter level indicator
38	(26)	BITSTRING	2		- reserved

Comment

 NOTE: The following command filter information must match the filter mapping in ITZYTWA, ITZENF60, flag Wrk_CmdFlg in ITZDT and flag FLWK_CmdFlg in ITZFI. All changes must be ITZYTFA, ITZYTWA, ITZENF60 ITZDT and ITZFI at the same time.

End of Comment

40	(28)	BITSTRING	1	ENF60_CMDFLTR	
40	(28)	BITSTRING	1	ENF60_CMDFLG	Command filter area
		1... ..		E60CTAN	Filter composite flag
					"X'80" TRAN= specified

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		E60CUSR	"X'40" USER= specified
		..1.		E60CCOLL	"X'20" COLL= specified
		...1		E60CLUNM	"X'10" LU= specified
		.... 1...		E60CNET	"X'08" NET= specified
		.... .1..		E60CPROC	"X'04" PROC= specified
		.... ..1.		E60CPKG	"X'02" PKG= specified
		.... ...1		E60CLAN	"X'01" PLAN= specified
41	(29)	BITSTRING	1	ENF60_CMDFLG2	Filter composite flag
		1...		E60CCON	"X'80" CON= specified
		..1.		E60CCOR	"X'40" COR= specified
		..1.		E60CPRF	"X'20" PRF= specified
		...1		E60CPRS	"X'10" PRS= specified
		.... 1...		E60CSLU	"X'08" sourcelu (for ITZFI)
		.... ..1.		E60CSUB	"X'04" SUB= specified
		.... ..1.		E60CTC	"X'02" TC= specified
		.... ...1		E60CLVL	"X'01" display level (for ITZDT)
42	(2A)	BITSTRING	2	ENF60_CMDRSD	Reserved
44	(2C)	BITSTRING	10	ENF60_TRANFLT	Transaction Name filter parm
44	(2C)	BITSTRING	1	ENF60_TRANFLG	TRAN filter parameter
		1...		ENF60_TRANVLD	"X'80" TRAN is valid
		..1.		ENF60_TRANWC	"X'40" Wildcard exists for TRAN
45	(2D)	BITSTRING	1	ENF60_TRANLEN	Length of TRAN parameter
46	(2E)	CHARACTER	8	ENF60_TRANENTRY	TRAN filter parameter
54	(36)	BITSTRING	10	ENF60_USERFLT	USERSID filter parm
54	(36)	BITSTRING	1	ENF60_USERFLG	USERID filter parameter
		1...		ENF60_USERVLD	"X'80" USER is valid
		..1.		ENF60_USERWC	"X'40" Wildcard exists for USER
55	(37)	BITSTRING	1	ENF60_USERLEN	Length of USERID parameter
56	(38)	CHARACTER	8	ENF60_USERENTRY	USER filter parameter
64	(40)	BITSTRING	20	ENF60_COLLFLT	Collection Name filter parm
64	(40)	BITSTRING	1	ENF60_COLLFLG	Collection Name filter parm
		1...		ENF60_COLLVLD	"X'80" Coll is valid
		..1.		ENF60_COLLWC	"X'40" Wildcard exists for COLL
65	(41)	BITSTRING	1	ENF60_COLLLEN	Length of COLL parameter
66	(42)	CHARACTER	18	ENF60_COLLENTY	COLL filter parameter
84	(54)	BITSTRING	10	ENF60_LUNMFLT	LUNAME filter parm
84	(54)	BITSTRING	1	ENF60_LUNMFLG	LUNAME filter parm
		1...		ENF60_LUNMVLD	"X'80" LU is valid
		..1.		ENF60_LUNMWC	"X'40" Wildcard exists for LU
85	(55)	BITSTRING	1	ENF60_LUNMLEN	Length of LU parameter
86	(56)	CHARACTER	8	ENF60_LUNMENTY	LU filter parameter
94	(5E)	BITSTRING	10	ENF60_PROCFLT	PROC name filter parm
94	(5E)	BITSTRING	1	ENF60_PROCFLG	PROC name filter parm
		1...		ENF60_PROCVLD	"X'80" PROC name is valid
		..1.		ENF60_PROWC	"X'40" Wildcard exists for PROC
95	(5F)	BITSTRING	1	ENF60_PROCLEN	Length of PROC parameter
96	(60)	CHARACTER	18	ENF60_PROCENTY	PROC name filter parameter
114	(72)	BITSTRING	10	ENF60_PKGFLT	Pkg name filter parm

ITZENF60 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
114	(72)	BITSTRING 1... .. .1.. ..	1	ENF60_PKGFLG ENF60_PKGVLD ENF60_PKGWC	Pkg name filter parm "X'80" Pkg name is valid "X'40" Wildcard exists for PKG
115	(73)	BITSTRING	1	ENF60_PKGLLEN	Length of PKG parameter
116	(74)	CHARACTER	8	ENF60_PKGENTRY	Pkg name filter parameter
124	(7C)	BITSTRING	10	ENF60_NETFLT	NETID filter parm
124	(7C)	BITSTRING 1... .. .1.. ..	1	ENF60_NETFLG ENF60_NETVLD ENF60_NETWC	NETID filter parm "X'80" NETID is valid "X'40" Wildcard exists for NETID
125	(7D)	BITSTRING	1	ENF60_NETLEN	Length of NETID parameter
126	(7E)	CHARACTER	8	ENF60_NETENTRY	NETID filter parameter
134	(86)	BITSTRING	10	ENF60_PLANFLT	PLAN name filter parm
134	(86)	BITSTRING 1... .. .1.. ..	1	ENF60_PLANFLG ENF60_PLANVLD ENF60_PLANWC	PLAN name filter parm "X'80" PLAN name is valid "X'40" Wildcard exists for PLAN
135	(87)	BITSTRING	1	ENF60_PLANLEN	Length of PLAN parameter
136	(88)	CHARACTER	8	ENF60_PLANENTRY	PLAN name filter parameter
144	(90)	BITSTRING	10	ENF60_CONFLT	CON name filter parm
144	(90)	BITSTRING 1... .. .1.. ..	1	ENF60_CONFLG ENF60_CONVLD ENF60_CONWC	CON name filter parm "X'80" CON name is valid "X'40" Wildcard exists for CON
145	(91)	BITSTRING	1	ENF60_CONLEN	Length of CON parameter
146	(92)	CHARACTER	8	ENF60_CONENTRY	CON name filter parameter
154	(9A)	BITSTRING	20	ENF60_CORFLT	COR name filter parm
154	(9A)	BITSTRING 1... .. .1.. ..	1	ENF60_CORFLG ENF60_CORVLD ENF60_CORWC	COR name filter parm "X'80" COR name is valid "X'40" Wildcard exists for COR
155	(9B)	BITSTRING	1	ENF60_CORLEN	Length of COR parameter
156	(9C)	CHARACTER	18	ENF60_COREENTRY	COR name filter parameter
174	(AE)	BITSTRING	10	ENF60_PRFFLT	PRF name filter parm
174	(AE)	BITSTRING 1... .. .1.. ..	1	ENF60_PRFFLG ENF60_PRFVLD ENF60_PRFWC	PRF name filter parm "X'80" PRF name is valid "X'40" Wildcard exists for PRF
175	(AF)	BITSTRING	1	ENF60_PRFLEN	Length of PRF parameter
176	(B0)	CHARACTER	8	ENF60_PRFENTRY	PRF name filter parameter
184	(B8)	BITSTRING	34	ENF60_PRSFLT	PRS name filter parm
184	(B8)	BITSTRING 1... .. .1.. ..	1	ENF60_PRSFLG ENF60_PRSVLD ENF60_PRSWC	PRS name filter parm "X'80" PRS name is valid "X'40" Wildcard exists for PRS
185	(B9)	BITSTRING	1	ENF60_PRSLEN	Length of PRS parameter
186	(BA)	CHARACTER	32	ENF60_PRSENTRY	PRS name filter parameter
218	(DA)	BITSTRING	20	ENF60_RSVFLT	Reserved
218	(DA)	CHARACTER	20	ENF60_RSVENTRY	Reserved
238	(EE)	BITSTRING	20	ENF60_SUBFLT	SUB name filter parm
238	(EE)	BITSTRING 1... .. .1.. ..	1	ENF60_SUBFLG ENF60_SUBVLD ENF60_SUBWC	SUB name filter parm "X'80" SUB name is valid "X'40" Wildcard exists for SUB
239	(EF)	BITSTRING	1	ENF60_SUBLEN	Length of SUB parameter
240	(F0)	CHARACTER	18	ENF60_SUBENTRY	SUB name filter parameter
258	(102)	BITSTRING	10	ENF60_TCFLT	TC name filter parm
258	(102)	BITSTRING 1... .. .1.. ..	1	ENF60_TCFLG ENF60_TCVLD ENF60_TCWC	TC name filter parm "X'80" TC name is valid "X'40" Wildcard exists for TC
259	(103)	BITSTRING	1	ENF60_TCLEN	Length of TC parameter
260	(104)	CHARACTER	8	ENF60_TCENTRY	TC name filter parameter
268	(10C)	CHARACTER	124	ENF60RS1	Reserved
392	(188)	CHARACTER	8	ENF60RS2	Reserved
392	(188)	X'190'	0	ENF60END	*** End of ENF60 Mapping
392	(188)	X'190'	0	TTRENF60_LEN	**-.TTRENF60"

ITZENF60 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ENF60_BFSZ	20		ENF60_PLANFLT		
ENF60_BUF	D	8		86	
ENF60_BYTE1	C		ENF60_PLANLEN		
ENF60_BYTE2	D			87	
ENF60_BYTE3	E		ENF60_PLANVLD		
ENF60_BYTE4	F			86	80
ENF60_CMDFLG	28		ENF60_PLANWC	86	40
ENF60_CMDFLG2			ENF60_PRFENTRY		
	29			B0	
ENF60_CMDFLTR			ENF60_PRFFLG	AE	
	28		ENF60_PRFFLT	AE	
ENF60_CMDRSD	2A		ENF60_PRFLEN	AF	
ENF60_COLLENTY			ENF60_PRFVLD	AE	80
	42		ENF60_PRFWC	AE	40
ENF60_COLLFLG			ENF60_PROCENTRY		
	40			60	
ENF60_COLLFLT			ENF60_PROCFLG		
	40			5E	
ENF60_COLLLEN			ENF60_PROCFLT		
	41			5E	
ENF60_COLLVLD			ENF60_PROCLEN		
	40	80		5F	
ENF60_COLLWC	40	40	ENF60_PROCVLD		
ENF60_CONENTRY				5E	80
	92		ENF60_PROWC	5E	40
ENF60_CONFLG	90		ENF60_PRCENTRY		
ENF60_CONFLT	90			BA	
ENF60_CONLEN	91		ENF60_PRSFLG	B8	
ENF60_CONVLD	90	80	ENF60_PRSFLT	B8	
ENF60_CONWC	90	40	ENF60_PRSLEN	B9	
ENF60_CORENTY			ENF60_PRSVLD	B8	80
	9C		ENF60_PRSWC	B8	40
ENF60_CORFLG	9A		ENF60_QUAL	C	
ENF60_CORFLT	9A		ENF60_RSVENTRY		
ENF60_CORLEN	9B			DA	
ENF60_CORVLD	9A	80	ENF60_RSVFLT	DA	
ENF60_CORWC	9A	40	ENF60_SEQN	24	
ENF60_CVER	6	1	ENF60_SUBENTRY		
ENF60_ID	0			F0	
ENF60_LENGTH	8		ENF60_SUBFLG	EE	
ENF60_LTN	D	20	ENF60_SUBFLT	EE	
ENF60_LTY	D	10	ENF60_SUBLEN	EF	
ENF60_LUNMENTY			ENF60_SUBVLD	EE	80
	56		ENF60_SUBWC	EE	40
ENF60_LUNMFLG			ENF60_SYSNM	10	
	54		ENF60_TCENTRY		
ENF60_LUNMFLT				104	
	54		ENF60_TCFLG	102	
ENF60_LUNMLEN			ENF60_TCFLT	102	
	55		ENF60_TCLEN	103	
ENF60_LUNMVLD			ENF60_TCVLD	102	80
	54	80	ENF60_TCWC	102	40
ENF60_LUNMWC	54	40	ENF60_TFA	C	40
ENF60_LVL	25		ENF60_TFR	C	20
ENF60_NETENTRY			ENF60_TOFF	C	10
	7E		ENF60_TON	C	80
ENF60_NETFLG	7C		ENF60_TRANENTRY		
ENF60_NETFLT	7C			2E	
ENF60_NETLEN	7D		ENF60_TRANFLG		
ENF60_NETVLD	7C	80		2C	
ENF60_NETWC	7C	40	ENF60_TRANFLT		
ENF60_PKGENTRY				2C	
	74		ENF60_TRANLEN		
ENF60_PKGFLG	72			2D	
ENF60_PKGFLT	72		ENF60_TRANVLD		
ENF60_PKGLLEN	73			2C	80
ENF60_PKGVLD	72	80	ENF60_TRANWC	2C	40
ENF60_PKGWC	72	40	ENF60_USERENTRY		
ENF60_PLANENTRY				38	
	88		ENF60_USERFLG		
ENF60_PLANFLG				36	
	86		ENF60_USERFLT		

ITZENF60 Cross Reference

Name	Hex Offset	Hex Value
	36	
ENF60_USERLEN		
	37	
ENF60_USERVLD		
	36	80
ENF60_USERWC	36	40
ENF60_VERSION		
	6	
ENF60_VONE	6	1
ENF60_WSP	D	40
ENF60_WST	D	80
ENF60_WTR	18	
ENF60END	188	190
ENF60RS1	10C	
ENF60RS2	188	
E60CCOLL	28	20
E60CCON	29	80
E60CCOR	29	40
E60CLUNM	28	10
E60CLVL	29	1
E60CNET	28	8
E60CPKG	28	2
E60CPPLAN	28	1
E60CPRF	29	20
E60CPROC	28	4
E60CPRS	29	10
E60CSLU	29	8
E60CSUB	29	4
E60CTC	29	2
E60CTRAN	28	80
E60CUSR	28	40
TTRENF60	0	
TTRENF60_LEN	188	190

ITZYRETC Information

ITZYRETC Programming Interface information

Programming Interface information

ITZYRETC

End of Programming Interface information

ITZYRETC Heading Information • ITZYRETC Map

ITZYRETC Heading Information

Common Name: Transaction Trace ITZEVENT Macro Return Codes
Macro ID: ITZYRETC
DSECT Name: N/A
Owning Component: Transaction Trace (SCTTR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
 Key: N/A
Size: N/A
Created by: N/A

Pointed to by: N/A
Serialization: None
Function: This mapping macro contains the return codes and reason codes for the ITZEVENT macro.

 NOTE: THIS IS A SET OF CONSTANTS, NOT AN ACTUAL DATA AREA.
 DATA AREA INFORMATION IS NOT APPLICABLE.

ITZYRETC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	ITZGOOD	"0"
0	(0)	X'4'	0	ITZNOTR	"4"
Comment					
Reason Codes (Note that the reason codes are of the form "xxxxYYYY" where "xxxx" is used to contain internal diagnostic information)					
End of Comment					
0	(0)	BITSTRING	0	ITZNOTKN	"X'00000401" Trace Token was zero
0	(0)	BITSTRING	0	ITZNOACT	"X'00000402" Transaction Trace is not active
0	(0)	BITSTRING	0	ITZLATNT	"X'00000403" Transaction is LATENT with LATENT=N

IVT Information

IVT Heading Information

Common Name: IPL VECTOR TABLE
Macro ID: IHAIVT
DSECT Name: IVT
Owning Component: Initial Program Load (SC1C9)
Eye-Catcher ID: IVT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: during IPL - located in IPL workspace
 Key: 0
 Residency: Above 16M line
Size: Can not exceed 4K
Created by: IEAIPL00
Pointed to by: Register 1 on entry to each module
Serialization: None
Function: Provide communication between modules in the IPL component and a means of passing data to the NIP component.

IVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	2248	IVT	IPL VECTOR TABLE
0	(0)	CHARACTER	4	IVTID	CONTROL BLOCK ID ('IVT')
4	(4)	SIGNED	4	IVTLEN	LENGTH OF THE IVT
8	(8)	CHARACTER	20	IVTIPLD	FIELDS FORMERLY IN IPLDATA
8	(8)	CHARACTER	6	IVTDVSER	IPL UNIT - VOLUME SERIAL
14	(E)	CHARACTER	5	IVTDVTOC	- VTOC CCHHR
19	(13)	CHARACTER	1	IVTR00E	RESERVED
20	(14)	CHARACTER	4	IVTDNUCS	SYS1.NUCLEUS DS - START CCHH
24	(18)	CHARACTER	4	IVTDNUCE	- END CCHH
28	(1C)	CHARACTER	4	IVTSCHAN	I/O DEVICE SUBCHANNEL ADDRESS
28	(1C)	SIGNED	2	IVTR01C	RESERVED
30	(1E)	SIGNED	2	IVTSCHN	SUBCHANNEL NUMBER
32	(20)	CHARACTER	4	IVTDEVSZ	I/O DEVICE CHARACTERISTICS
32	(20)	SIGNED	2	IVTCYLDR	I/O DEVICE CYLINDERS ON VOLUME
34	(22)	SIGNED	2	IVTTRACK	I/O DEVICE TRACKS PER CYLINDER
36	(24)	CHARACTER	8	IVTWRKSP	BOUNDS OF THE IPL WORK SPACE
36	(24)	ADDRESS	4	IVTWSHI	ADDR OF END OF IPL WORK SPACE
40	(28)	ADDRESS	4	IVTWSLOW	ADDR OF START OF IPL WORK SPACE

Comment

NOTE: ONCE PAGES HAVE BEEN TAKEN FROM THE IPL WORKSPACE AND BACKED BY REAL, THEY MUST NOT BE RETURNED TO THE IPL WORKSPACE. FURTHER, THEY MUST NOT BE RELEASED IN ANY FASHION UNTIL THEY ARE RELEASED IN NORMAL PROCESSING AT THE END OF IPL.

End of Comment

44	(2C)	CHARACTER	8	IVTWSBND	BOUNDS OF THE IPL WORK SPACE
44	(2C)	ADDRESS	4	IVTWSAVH	ADDR OF HIGH UNUSED BYTE IN THE IPL WORK SPACE
44	(2C)	ADDRESS	4	IVTWSTLO	ALIAS FOR IVTWSAVH
48	(30)	ADDRESS	4	IVTWSAVL	ADDR OF LOW UNUSED BYTE IN THE IPL WORK SPACE
48	(30)	ADDRESS	4	IVTWSBLO	ALIAS FOR IVTWSAVL
52	(34)	ADDRESS	4	IVTRONS	READ/ONLY NUCLEUS START ADDRESS
56	(38)	ADDRESS	4	IVTRONE	READ/ONLY NUCLEUS END ADDRESS
60	(3C)	ADDRESS	4	IVTRWNS	READ/WRITE NUCLEUS START ADDRESS
64	(40)	ADDRESS	4	IVTRWNE	READ/WRITE NUCLEUS END ADDRESS
68	(44)	ADDRESS	4	IVTERWNS	EXTENDED READ/WRITE NUCLEUS START ADDRESS
72	(48)	ADDRESS	4	IVTERWNE	EXTENDED READ/WRITE NUCLEUS END ADDRESS
76	(4C)	ADDRESS	4	IVTNPOAD	ADDRESS OF IEAVNIP0
80	(50)	SIGNED	4	IVTNPONO	LENGTH OF IEAVNIP0 AND IEAVNIPH COMBINED.
84	(54)	ADDRESS	4	IVTRPSA	ADDRESS OF ABSOLUTE PSA
88	(58)	ADDRESS	4	IVTASQA	ADDRESS OF INITIAL SQA
92	(5C)	SIGNED	4	IVTSQALN	LENGTH OF INITIAL SQA IN BYTES
96	(60)	ADDRESS	4	IVTAESQA	ADDRESS OF EXTENDED SQA
100	(64)	SIGNED	4	IVTESQAL	LENGTH OF EXTENDED SQA IN BYTES
104	(68)	ADDRESS	4	IVT245A	ADDRESS OF UNUSED 245 SPACE
108	(6C)	SIGNED	4	IVT245V	AMOUNT OF UNUSED 245 IN BYTES

IVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
112	(70)	ADDRESS	4	IVTE245A	ADDRESS OF UNUSED EXTENDED 245 SPACE
116	(74)	SIGNED	4	IVTE245V	AMOUNT OF UNUSED E245 IN BYTES
120	(78)	ADDRESS	4	IVT239A	ADDRESS OF UNUSED 239 SPACE
124	(7C)	SIGNED	4	IVT239V	AMOUNT OF UNUSED 239 IN BYTES
128	(80)	ADDRESS	4	IVTE239A	ADDRESS OF UNUSED EXTENDED 239 SPACE
132	(84)	SIGNED	4	IVTE239V	AMOUNT OF UNUSED E239 IN BYTES
136	(88)	ADDRESS	4	IVTALSQA	ADDRESS OF TEMPORARY LSQA
140	(8C)	SIGNED	4	IVTLSQLN	LENGTH OF TEMPORARY LSQA
144	(90)	ADDRESS	4	IVTELSQA	ADDRESS OF EXTENDED LSQA
148	(94)	SIGNED	4	IVTELSLN	LENGTH OF EXTENDED LSQA IN BYTES
152	(98)	ADDRESS	4	IVTSCPIN	ADDRESS OF SCPINFO RESPONSE
156	(9C)	ADDRESS	4	IVTTOPQ	ADDRESS OF ORIGINAL AVL Q
160	(A0)	BITSTRING	4	IVTFLAGS	IPL FLAG WORD
160	(A0)	CHARACTER	1	IVTFLGS1	IVT Flags byte 1.
		1... ..		IVTSVPRC	SERVICE PROCESSOR SUPPORTED@H1A
		.1.		IVTSUNRF	SUPPRESS NO RECORD FOUND WAIT STATE
		..1.		IVTNRF	NO RECORD FOUND
		...1		IVTSUUE	SUPPRESS UNIT EXCEPTION WAIT STATE.
		.... 1...		IVTUE	UNIT EXCEPTION OCCURRED
		.... .1..		IVTIODF	IODF IPL PATH BEING TAKEN
		.... ..1.		IVTIPLPR	SYSN.IPLPARM USED FOR IPL PARAMETERS
		.... ...1		IVTSUSOE	SUPPRESS STSCH OPERAND EXCEPTION WAIT STATE.
161	(A1)	CHARACTER	1	IVTFLGS2	IVT Flags byte 2.
		1... ..		IVTVM	MVS is guest under VM.
		.1.		IVTVMXA	MVS is guest under VM/XA NOTE: IVTVM is on also.
		..1.		IVTNORWS	If on, indicates that all I/O issued by IPL will set the ORBY bit in the ORB.
		...1		IVTNOTOK	No HW token
		.... 1...		IVTNDCMF	No DCM Facility
		.... .1..		IVTDCPAD	LOADxx specified DYNCPADD DISABLE
		.... ..1.		IVTPROCTYPE2OR5NOWINSTALLED	Encountered a processor type of 2 (zAAP) or 5 (zIIP) within the recognized processor info
		.... ...1		IVT_SPECIFIEDDYNCPADDENABLE	LOADxx specified DYNCPADD ENABLE
162	(A2)	CHARACTER	1	IVTFLGS3	IVT Flags byte 3.
162	(A2)	CHARACTER	1	IVTARCH	Mapped like FLCARCH
		1... ..		IVTEMEMA	\$SCAFFOLD
		.111 111.		*	
		.... ...1		IVTZARCH	
		.... ...1		IVTESAME	
163	(A3)	CHARACTER	1	IVTFLGS4	IVT Flags byte 4.
163	(A3)	CHARACTER	1	IVTARCHT	Temporary IVTARCH until the DAT tables are set. It is mapped the same as IVTARCH
164	(A4)	ADDRESS	4	IVTNLLEF	ADDRESS OF FIRST NUCLEUS LOAD LIST ELEMENT (NLLE)
168	(A8)	ADDRESS	4	IVTNLLEL	ADDRESS OF LAST NUCLEUS LOAD LIST ELEMENT (NLLE)
172	(AC)	ADDRESS	4	IVTNUCMP	ADDRESS OF THE NUCLEUS MAP
176	(B0)	SIGNED	4	IVTNUCMS	LENGTH OF THE NUCLEUS MAP
180	(B4)	ADDRESS	4	IVTIOLOAD	ENTRY POINT OF MODULE IPXIOLOAD
184	(B8)	ADDRESS	4	IVTIICAP	ADDRESS OF THE IOS IRIM COMMUNICATION AREA (IICA)
188	(BC)	ADDRESS	4	IVTLPALP	ADDRESS OF THE LPA DEVICE SUPPORT MODULE LIST
192	(C0)	SIGNED	4	IVTLPALL	LENGTH OF THE LPA DEVICE SUPPORT MODULE LIST
196	(C4)	ADDRESS	4	IVT35AD	ENTRY POINT OF THE MODULE IEAIPL35
200	(C8)	CHARACTER	8	IVTPARMD	LOAD FRAME PARAMETER DEFAULTS (MAPPED BY IVTPARMS)
208	(D0)	CHARACTER	8	IVTPARML	LOAD FRAME PARAMETER SPECIFICATIONS (MAPPED BY IVTPARMS)
216	(D8)	CHARACTER	8	IVTPARMM	MERGED LOAD FRAME PARAMETER SPECIFICATIONS (MAPPED BY IVTPARMS)
224	(E0)	ADDRESS	4	IVTMQHP	ADDRESS OF THE IPL MESSAGE QUEUE HEADER.
228	(E4)	CHARACTER	8	IVTPRFX	PREFIX OF SYSN.IPLPARM DATASET USED DURING IPL. (VALID ONLY IF IVTIPLPR SET.)
236	(EC)	SIGNED	4	IVTA245	AMOUNT OF ADDITIONAL SQA THAT MUST BE ADDED TO INITIAL ALLOCATION
240	(F0)	SIGNED	4	IVTAE245	AMOUNT OF ADDITIONAL ESQA THAT MUST BE ADDED TO INITIAL ALLOCATION
244	(F4)	ADDRESS	4	IVTAVT	ADDRESS OF ALLOCATION VECTOR TABLE (AVT)
248	(F8)	ADDRESS	4	IVTNCRP	ADDRESS OF NIP CONSOLE RECORDS
252	(FC)	SIGNED	2	IVTNCRC	NUMBER OF NIP CONSOLE RECORDS
254	(FE)	SIGNED	2	IVTNCRLL	LENGTH OF NIP CONSOLE RECORD
256	(100)	ADDRESS	4	IVTLOAD	ADDRESS OF LOADXX BUFFER
260	(104)	SIGNED	4	IVTLOADL	LENGTH OF LOADXX BUFFER
264	(108)	CHARACTER	2	IVTIOCID	IO CONFIGURATION ID
266	(10A)	UNSIGNED	2	IVTIODFD	IODF DATASET UNIT ADDRESS
268	(10C)	ADDRESS	4	IVTNDIRR	REAL ADDR OF INDEX TO NUCLEUS DIRECTORY
272	(110)	ADDRESS	4	IVTI50PS	ADDRESS OF IPXI50PS
276	(114)	ADDRESS	4	IVTIOBFA	ADDRESS OF IO BUFFER OBTAINED BY IEAIPL50

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
280	(118)	SIGNED	4	IVTIOBFL	LENGTH OF IO BUFFER OBTAINED BY IEA IPL50
284	(11C)	SIGNED	4	IVTNPOSZ	LENGTH OF IEAVNIP0 IN BYTES
288	(120)	CHARACTER	16	IVTEINFO	INFORMATION FOR VSD ABOUT THE MODULE BEING LOADED
288	(120)	CHARACTER	8	IVTENAME	NAME OF THE MODULE BEING LOADED
296	(128)	SIGNED	4	IVTEMALP	ADDRESS MODE + LOAD POINT
296	(128)	ADDRESS	4	IVTELDPT	MODULE LOAD POINT
		1... ..		IVTEMODE	ADDRESS MODE OF THE MODULE
300	(12C)	SIGNED	4	IVTENTLN	LENGTH OF THE MODULE
304	(130)	ADDRESS	4	IVTEXNLF	ADDRESS OF FIRST EXCLUDE NUCLEUS LOAD LIST ELEMENT (NLLE)
308	(134)	ADDRESS	4	IVTEXNLL	ADDRESS OF LAST EXCLUDE NUCLEUS LOAD LIST ELEMENT (NLLE)
312	(138)	CHARACTER	2	IVTNLID	NUCLSTXX ID
314	(13A)	CHARACTER	1	IVTNXCID	Nucleus extension ID. This is initialized to the same value as used for the nucleus, but can be changed during NUCLSTxx processing.
315	(13B)	CHARACTER	1	IVTARCLV	Architecture level (via ARCHLVL keyword of LOADxx)
316	(13C)	SIGNED	4	IVTESQAB	TOTAL ADDITIONAL ESQA BUFFER FOR EACH SUBCHANNEL INSTALLED.
320	(140)	UNSIGNED	4	IVTOMESI	When non-zero, original SCCBMESI
324	(144)	UNSIGNED	4	IVTONXSB	When non-zero, original SCCBNXSB
328	(148)	CHARACTER	1	IVTR148	Reserved, do not use
329	(149)	CHARACTER	1	IVTMLSH	MTLSHARE value
330	(14A)	UNSIGNED	2	IVTOSAR	When non-zero, original SCCBSAR
332	(14C)	UNSIGNED	4	IVTOSAIX	When non-zero, original SCCBSAIX
336	(150)	CHARACTER	16	IVTALTPM	Alternate Parmlib Name
352	(160)	CHARACTER	4	IVTIPLDV	IPL DEVICE SUBCHANNEL ADDRESS
352	(160)	SIGNED	2	IVTRIPL	RESERVED
354	(162)	SIGNED	2	IVTSIPL	SUBCHANNEL NUMBER
356	(164)	ADDRESS	4	IVTNCUCB	UCB ADDRESS FOR NUCLEUS DS
360	(168)	CHARACTER	44	IVTALTNC	Diagnose area for alternate nucleus support.
360	(168)	BITSTRING	4	*	nucleus schib number.
364	(16C)	UNSIGNED	1	*	length of alternate nucleus dataset name.
365	(16D)	CHARACTER	36	IVTNUCNM	NUCLEUS DATASET NAME
401	(191)	CHARACTER	2	IVTALTPD	Nucleus dataset device no.
403	(193)	CHARACTER	1	IVTR193	RESERVED
404	(194)	ADDRESS	4	IVTIPST	Address of IPST
408	(198)	CHARACTER	16	IVTIPLTM	IPL Time (set by ISNIRIM, STCKE format)
424	(1A8)	ADDRESS	4	IVTNEXTFRTOTB	Address of next frame to TB
428	(1AC)	ADDRESS	4	IVTLASTFRONAVQ	Address of last frame on available queue
432	(1B0)	SIGNED	4	IVTRSTGBURSTSZ	Default number of frames to test by SVC RSTG (ISVCRSTG).
436	(1B4)	SIGNED	4	IVTRSTG0	Save area for R0 by SVC RSTG (ISVCRSTG)
440	(1B8)	SIGNED	4	IVTSYNCHIO	Count of times that SVC SYNCH was called for IO Wait.
444	(1BC)	SIGNED	4	IVTSYNCHRSTG	Count of times that SVC SYNCH issued SVC RSTG.
448	(1C0)	SIGNED	4	IVTSYNCHIOPNDG	Count of times that SVC SYNCH detected IO Pending after a burst of frames was tested.@LDA
452	(1C4)	ADDRESS	4	IVT0NLLE	Address for NLLE associated with IEAVFX00
456	(1C8)	SIGNED	4	IVT0ESDI	CESD index for IEAVFX00.
460	(1CC)	UNSIGNED	2	IVTIRIMEXIT	An Exit SVC pointed to by R14 on entry to an IRIM
462	(1CE)	UNSIGNED	2	IVTDYNCPADDMAXCPUSCANADD	The maximum number of CPUs that can be dynamically added after IPL (from LOADxx DYNCPADD nnnn)
464	(1D0)	UNSIGNED	2	IVTMINCPUAN	Minimum CPUs per affinity node
466	(1D2)	CHARACTER	1278	IVTR1D2	Reserved
1744	(6D0)	CHARACTER	8	IVTOSARX	When non-zero, original SCCBSARX
1752	(6D8)	CHARACTER	256	IVTCOMM64AREA	64-Bit Common Area
1752	(6D8)	UNSIGNED	8	IVTMO SIZEBYTES	64-Bit Common memory object size in bytes
1760	(6E0)	ADDRESS	8	IVTMOORIGIN	64-Bit Common memory object start virtual address
1768	(6E8)	CHARACTER	2	IVTMOATTRIBUTES	64-Bit Common memory object storage attributes
1768	(6E8)	UNSIGNED	1	IVTMOSTORAGETYPE	64-Bit Common memory object storage type 1 - Memory object is pageable 2 - Memory object is DREF 3 - Memory object is fixed
1769	(6E9)	UNSIGNED	1	IVTMOATTRIBUTEFLAGS	64-Bit Common memory object storage type
		1... ..		IVTMOFETCHYES	64-Bit Common memory object should be fetch protected
		.111 1111		*	Reserved
1770	(6EA)	CHARACTER	238	IVTCOMM64RESERVED	64-Bit Common Reserved
2008	(7D8)	CHARACTER	144	IVTIRIMSA	Standard save area for IRIMs - address passed in R13.

IVT Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2152	(868)	CHARACTER	96	IVTIRIML	AREA IN WHICH TO LOAD IEAIPL01 - MUST BE THE LAST DECLARE IN THE IVT
2152	(868)	CHARACTER	8	IVT01NAM	'IEAIPL01' MOD ID
2160	(870)	CHARACTER	8	IVT01DAT	COMPILE DATE OF IEAIPL01
2168	(878)	CHARACTER	8	IVT01FMD	FMID OF IEAIPL01
2176	(880)	CHARACTER	72	IVTIRIMD	IRIM SUFFIX DATA AREA
2248	(8C8)	CHARACTER	0	IVTEND	END OF THE IVT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	IVTPARMS	LOAD FRAME PARAMETER MAP
0	(0)	CHARACTER	4	IVTIODFU	IODF DATASET UNIT ADDRESS IN EBCDIC
4	(4)	CHARACTER	2	IVTLOADS	LOADXX MEMBER SUFFIX
6	(6)	CHARACTER	1	IVTPROMT	PROMPT OPERATOR FLAG
7	(7)	CHARACTER	1	IVTNUCID	IEANUCOX MEMBER SUFFIX

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	IVT_IPST_TIME_AREA (4294967326:2883584)	Array of IPST data located in IEAIPL00
0	(0)	STRUCTURE IsA(IHAIVT_TIVT_IPST_ENTRY)	24	IVT_IPST_ENTRY	
0	(0)	CHARACTER	2	IVT_IPST_IRIM_SUFFIX	Suffix of IRIM
2	(2)	CHARACTER	2	*	Reserved
4	(4)	CHARACTER	4	IVT_IPST_IRIM_DURATION	Duration of IRIM
4	(4)	CHARACTER	2	IVT_IPST_DURATION_SEC	# seconds
6	(6)	CHARACTER	2	IVT_IPST_DURATION_FRAC	Fraction of seconds
8	(8)	UNSIGNED	8	IVT_IPST_IRIM_START_TIME	IRIM start time TOD
16	(10)	UNSIGNED	8	IVT_IPST_IRIM_END_TIME	IRIM end time TOD

IVT Constants

Len	Type	Value	Name	Description
1	CHARACTER	1	IVTNUCDF	DEFAULT FOR IEANUCOX
4	DECIMAL	16777216	IVTERONS	Extended Read/Only Nucleus Start Address
4	DECIMAL	134217728	IVTEPRIV	Initial size of extended private area
4	DECIMAL	2147483647	IVTHIADR	Maximum virtual storage address
4	DECIMAL	32	IVTRSTGBURSTSZCONST	Default burst size of frames to be tested by SVC RSTG
4	DECIMAL	16	IVTDYNCPADDTARGET	Number of CPUs recommended to have available for dynamic CPU addition

Comment

SERVICES AVAILABLE DURING IPL-TIME VIA SVC

End of Comment

4	DECIMAL	0	ISVCXDAP	EXECUTE DA CHANNEL PROGRAM
4	DECIMAL	1	ISVCWAIT	ENTER A DISABLED WAIT STATE
4	DECIMAL	2	ISVCDAT	SWITCH TRANSLATION MODE
4	DECIMAL	3	ISVCEXIT	EXIT TO CALLER
4	DECIMAL	4	ISVCPGFX	BACK VIRTUAL STORAGE WITH REAL
4	DECIMAL	5	ISVCFIND	READ A PDS DIRECTORY ENTRY
4	DECIMAL	6	ISVCLOAD	LOAD A MODULE INTO REAL STORE
4	DECIMAL	7	ISVCSTOR	ALLOCATE CONTIGUOUS REAL
4	DECIMAL	8	ISVCCNVT	CONVERT TTR TO CCHHR
4	DECIMAL	9	ISVCSSCH	START SUBCHANNEL
4	DECIMAL	10	ISVCSYNC	CALL THRU THE SVC MECHANISM
4	DECIMAL	11	ISVCCSEG	CREATE SEGMENT
4	DECIMAL	12	ISVCCPFx	BACK VIRTUAL STORAGE WITH CONTIGUOUS REAL

Len	Type	Value	Name	Description
4	DECIMAL	13	ISVCXXDP	EXECUTE DA CHANNEL PROGRAM ON SPECIFIED SUBCHANNEL
4	DECIMAL	14	ISVCRSTG	Verify Real Frames and make available.
Comment				
Constants for 64-Bit Common Storage Type				
End of Comment				
1	DECIMAL	1	IVTMOPAGEABLE	Pageable
1	DECIMAL	2	IVTMODREF	DREF
1	DECIMAL	3	IVTMOFIXED	Fixed
4	DECIMAL	30	IVT_MAX_IPST_IRIMS	Maximum number of IRIMs that will fit in the array

IVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IVT	0		IVTERWNE	48	
IVT_IPST_DURATION_FRAC	6		IVTERWNS	44	
IVT_IPST_DURATION_SEC	4		IVTESAME	A2	01
IVT_IPST_ENTRY	0		IVTESQAB	13C	
IVT_IPST_IRIM_DURATION	4		IVTESQAL	64	
IVT_IPST_IRIM_END_TIME	10		IVTEXNLF	130	
IVT_IPST_IRIM_START_TIME	8		IVTEXNLL	134	
IVT_IPST_IRIM_SUFFIX	0		IVTE239A	80	
IVT_IPST_TIME_AREA	0		IVTE239V	84	
IVT_SPECIFIEDDYNCPADDENABLE	A1	01	IVTE245A	70	
IVTAESQA	60		IVTE245V	74	
IVTAE245	F0		IVTFLAGS	A0	
IVTALSQA	88		IVTFLGS1	A0	
IVTALTNC	168		IVTFLGS2	A1	
IVTALTPD	191		IVTFLGS3	A2	
IVTALTPM	150		IVTFLGS4	A3	
IVTARCH	A2		IVTID	0	
IVTARCHT	A3		IVTIICAP	B8	
IVTARCLV	13B		IVTILOAD	B4	
IVTASQA	58		IVTIOBFA	114	
IVTAVT	F4		IVTIOBFL	118	
IVTA245	EC		IVTIOCID	108	
IVTCOMM64AREA	6D8		IVTIODF	A0	04
IVTCOMM64RESERVED	6EA		IVTIODFD	10A	
IVTCYLDR	20		IVTIODFU	0	
IVTDCPAD	A1	04	IVTIPLD	8	
IVTDEVSZ	20		IVTIPLDV	160	
IVTDNUCE	18		IVTIPLPR	A0	02
IVTDNUCS	14		IVTIPLTM	198	
IVTDVSR	8		IVTIPST	194	
IVTDVTOC	E		IVTIRIMD	880	
IVTDYNCPADDMAXCPUSCANADD	1CE		IVTIRIMEXIT	1CC	
IVTEINFO	120		IVTIRIML	868	
IVTELDPT	128		IVTIRIMSA	7D8	
IVTELSLN	94		IVTI50PS	110	
IVTELSQA	90		IVTLASTFRONAVQ	1AC	
IVTEMALP	128		IVTLEN	4	
IVTEMEMA	A2	80	IVTLOAD	100	
IVTEMODE	128	80	IVTLOADL	104	
IVTENAME	120		IVTLOADS	4	
IVTEND	8C8		IVTLPALP	C0	
IVTENTLN	12C		IVTLPALP	BC	
			IVTSQLN	8C	
			IVTMINCPUAN	1D0	
			IVTMOATTRIBUTEFLAGS	6E9	
			IVTMOATTRIBUTES	6E8	
			IVTMOFETCHYES	6E9	80
			IVTMOORIGIN	6E0	
			IVTMO SIZEBYTES	6D8	

IVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IVTMOSTORAGETYPE			IVTWSBLO	30	
	6E8		IVTWSBND	2C	
IVTMQHP	E0		IVTWSHI	24	
IVTMTLSH	149		IVTWSLOW	28	
IVTNCRC	FC		IVTWSTLO	2C	
IVTNCRL	FE		IVTZARCH	A2	01
IVTNCRP	F8		IVT0ESDI	1C8	
IVTNCUCB	164		IVT0NLLE	1C4	
IVTNCXID	13A		IVT01DAT	870	
IVTNDCMF	A1	08	IVT01FMD	878	
IVTNDIRR	10C		IVT01NAM	868	
IVTNEXTRTOTB			IVT239A	78	
	1A8		IVT239V	7C	
IVTNLID	138		IVT245A	68	
IVTNLLEF	A4		IVT245V	6C	
IVTNLLEL	A8		IVT35AD	C4	
IVTNORWS	A1	20			
IVTNOTOK	A1	10			
IVTNP0AD	4C				
IVTNP0NO	50				
IVTNP0SZ	11C				
IVTNRF	A0	20			
IVTNUCID	7				
IVTNUCMP	AC				
IVTNUCMS	B0				
IVTNUCNM	16D				
IVTOMESI	140				
IVTONXSB	144				
IVTOSAIX	14C				
IVTOSAR	14A				
IVTOSARX	6D0				
IVTPARM	C8				
IVTPARML	D0				
IVTPARMM	D8				
IVTPARMS	0				
IVTPRFX	E4				
IVTPROCTYPE2OR5NOWINSTALLED					
	A1	02			
IVTPROMT	6				
IVTRIPL	160				
IVTRONE	38				
IVTRONS	34				
IVTRPSA	54				
IVTRSTGBURSTSZ					
	1B0				
IVTRSTG0	1B4				
IVTRWNE	40				
IVTRWNS	3C				
IVTR00E	13				
IVTR01C	1C				
IVTR1D2	1D2				
IVTR148	148				
IVTR193	193				
IVTSCHAN	1C				
IVTSCHN	1E				
IVTSCPIN	98				
IVTSIPL	162				
IVTSQALN	5C				
IVTSUNRF	A0	40			
IVTSUSOE	A0	01			
IVTSUUE	A0	10			
IVTSVPRC	A0	80			
IVTSYNCHIO	1B8				
IVTSYNCHOPNDG					
	1C0				
IVTSYNCHRSTG	1BC				
IVTTOPQ	9C				
IVTTRACK	22				
IVTUE	A0	08			
IVTVM	A1	80			
IVTVMXA	A1	40			
IVTWRKSP	24				
IVTWSAVH	2C				
IVTWSAVL	30				

IWMCNTRL Information

IWMCNTRL Programming Interface information

Programming Interface information

IWMCNTRL

End of Programming Interface information

IWMCNTRL Heading Information • IWMCNTRL Map

IWMCNTRL Heading Information

Common Name: IWMCNTN Request List Mappings
Macro ID: IWMCNTRL
DSECT Name: CNTRL
Owning Component: WLM (SCWLM)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any
 Key: See requirements for macro IWMCNTN
 Residency: Above 16M line
Size: Determined at run time
 CNTRL_MAP -- X'0040' bytes
Created by: Caller of IWMCNTN
Pointed to by: Request list pointer in IWMCNTN parameter list
Serialization: Responsibility of IWMCNTN caller
Function: Maps IWMCNTN resource topology request list

IWMCNTRL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CNTRL_MAP	
0	(0)	CHARACTER	32	CNTRL_HEADER (0)	
0	(0)	CHARACTER	8	CNTRL_ID	IN : eye catcher (opt)
8	(8)	BITSTRING	1	CNTRL_VERSION	IN : request list version
9	(9)	CHARACTER	3		reserved
12	(C)	SIGNED	4	CNTRL_LENGTH	IN : request list length
16	(10)	SIGNED	4	CNTRL_REQUEST_COUNT	IN : number of entries
20	(14)	SIGNED	2	CNTRL_RL_RETURN_CODE	OUT: Request list Return code
22	(16)	SIGNED	2	CNTRL_RL_REASON_CODE	OUT: Request list Reason code
24	(18)	CHARACTER	8		reserved
32	(20)	CHARACTER	32	CNTRL_ENTRIES (0)	
32	(20)	CHARACTER	1	CNTRL_REQUEST_CODE	IN : Add or Delete
33	(21)	CHARACTER	1	CNTRL_ENTITY_TYPE	IN : Holder or Waiter
34	(22)	CHARACTER	6		reserved
40	(28)	CHARACTER	20	CNTRL_ENTITY_ID (0)	
40	(28)	CHARACTER	8	CNTRL_STOKEN	IN : address space token
48	(30)	ADDRESS	4	CNTRL_TCBPTR	IN : TCB address
52	(34)	CHARACTER	8	CNTRL_ETOKEN	IN : enclave token
60	(3C)	SIGNED	2	CNTRL_RETURN_CODE	OUT: request return code
62	(3E)	SIGNED	2	CNTRL_REASON_CODE	OUT: request reason code

Comment

Constant for eye catcher

End of Comment

62	(3E)	X'E6D4C3'	0	CNTRL_EYE_0TO3	"C'IWMC'" This is the first 4-byte segment of an 8-byte constant.
62	(3E)	X'E3D9D3'	0	CNTRL_EYE_4TO7	"C'NTRL'" This is the second 4-byte segment of an 8-byte constant.

Comment

Constants for Versions

End of Comment

62	(3E)	X'1'	0	CNTRL_VERSION_V1	"1"
----	------	------	---	------------------	-----

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Constants for Request_Codes					
End of Comment					
62	(3E)	X'C1'	0	CNTRL_REQUEST_ADD	"C'A"
62	(3E)	X'C4'	0	CNTRL_REQUEST_DELETE	"C'D"
Comment					
Constants for Entity_Types					
End of Comment					
62	(3E)	X'C8'	0	CNTRL_ENTITY_HOLDER	"C'H"
62	(3E)	X'E6'	0	CNTRL_ENTITY_WAITER	"C'W"
62	(3E)	X'40'	0	CNTRL_MAP_LEN	"*-CNTRL_MAP"

IWMCNTRL Cross Reference

Name	Hex Offset	Hex Value
CNTRL_ENTITY_HOLDER	3E	C8
CNTRL_ENTITY_ID	28	
CNTRL_ENTITY_TYPE	21	
CNTRL_ENTITY_WAITER	3E	E6
CNTRL_ENTRIES	20	
CNTRL_ETOKEN	34	
CNTRL_EYE_0TO3	3E	E6D4C3
CNTRL_EYE_4TO7	3E	E3D9D3
CNTRL_HEADER	0	
CNTRL_ID	0	
CNTRL_LENGTH	C	
CNTRL_MAP	0	
CNTRL_MAP_LEN	3E	40
CNTRL_REASON_CODE	3E	
CNTRL_REQUEST_ADD	3E	C1
CNTRL_REQUEST_CODE	20	
CNTRL_REQUEST_COUNT	10	
CNTRL_REQUEST_DELETE	3E	C4
CNTRL_RETURN_CODE	3C	
CNTRL_RL_REASON_CODE	16	
CNTRL_RL_RETURN_CODE	14	
CNTRL_STOKEN	28	
CNTRL_TCBPTR	30	
CNTRL_VERSION	8	
CNTRL_VERSION_V1	3E	1

IWMECD Information

IWMECD Programming Interface information

Programming Interface information

IWMECD

End of Programming Interface information

IWMECD Heading Information • IWMECD Map

IWMECD Heading Information

Common Name: Enclave Classification Data Mapping
Macro ID: IWMECD
DSECT Name: ECD
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Key: N/A FREQUENCY: N/A
Size: See assembler listing
 ECD -- X'0270' bytes 51
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Provides a mapping of the classification data returned from the IWMECQRY service.

IWMECD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ECD	
0	(0)	CHARACTER	4	ECD_LENGTH_FIELDS (0)	
0	(0)	BITSTRING	1	ECDCLLL	Collection length
1	(1)	BITSTRING	1	ECDCORL	Correlation length
2	(2)	BITSTRING	1	ECDSSPL	Subsystem Parameter length
3	(3)	BITSTRING	1	ECDACCL	Account Information length
4	(4)	CHARACTER	94	ECD_CHAR_FIELD1 (0)	
4	(4)	CHARACTER	8	ECDTRXN	Transaction program name
12	(C)	CHARACTER	8	ECDUSER	Userid
20	(14)	CHARACTER	8	ECDTRXC	Transaction class
28	(1C)	CHARACTER	8	ECDNET	Network ID
36	(24)	CHARACTER	8	ECDLU	Logical Unit name
44	(2C)	CHARACTER	8	ECDPLAN	Plan
52	(34)	CHARACTER	8	ECDPKG	Package
60	(3C)	CHARACTER	8	ECDCNCTN	Connection
68	(44)	CHARACTER	18	ECDCOLL	Collection
86	(56)	CHARACTER	12	ECDCORR	Correlation
98	(62)	CHARACTER	20	ECD_CHAR_FIELD2 (0)	
98	(62)	CHARACTER	4	ECDSUBT	Subsystem Type
102	(66)	CHARACTER	8	ECDFCN	Function Name
110	(6E)	CHARACTER	8	ECDSUBN	Subsystem Name
118	(76)	CHARACTER	398	ECD_CHAR_FIELD3 (0)	
118	(76)	CHARACTER	255	ECDSSPM	Subsystem Parameter
373	(175)	CHARACTER	143	ECDACCT	Account Information
516	(204)	BITSTRING	1	ECD_VERSION	Version
517	(205)	CHARACTER	18	ECD_PROCEDURENAME	Proc name
535	(217)	BITSTRING	1		Reserved This is a doubleword boundary
536	(218)	SIGNED	2	ECD_LENGTH	Length
538	(21A)	CHARACTER	8	ECD_PERFORM	Perform= value, EBCDIC format
546	(222)	BITSTRING	1	ECD_PROCNAME_LEN	Procedure name length
547	(223)	CHARACTER	1		Reserved
548	(224)	CHARACTER	4	ECD_END_VERSION1 (0)	
548	(224)	SIGNED	4	ECD_PRIORITY	End of version 1 answer area Subsystem priority in binary format. Contains hexadecimal 80000000 if the subsystem did not provide a priority.
552	(228)	CHARACTER	1	ECD_END_VERSION2 (0)	
552	(228)	CHARACTER	33	ECD_START_VERSION3 (0)	End of version 2 answer area
552	(228)	CHARACTER	32	ECD_PROCESSNAME	Start of version 3 answer area
584	(248)	BITSTRING	1	ECD_PROCESSNAME_LEN	Process name length
585	(249)	CHARACTER	1	ECD_END_VERSION3 (0)	
					End of version 3 answer area

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
585	(249)	CHARACTER	7		Reserved, to insure dword BDY IN ASSEMBLER
592	(250)	CHARACTER	1	ECD_START_VERSION4 (0)	Version 4. Force double word boundary for future versions.
592	(250)	CHARACTER	1	ECD_END_VERSION4 (0)	End of version 4 answer area
592	(250)	CHARACTER	32	ECD_START_VERSION5 (0)	Start of Version 5. Force double word boundary for future versions.
592	(250)	CHARACTER	16	ECD_SCHEDULINGENVIRONMENT	
608	(260)	BITSTRING	1	ECD_SCHEDULINGENVIRONMENT_LEN	
609	(261)	CHARACTER	8	ECD_SUBSYSTEMCOLLECTIONNAME	
617	(269)	CHARACTER	7		Reserved
624	(270)	CHARACTER	1	ECD_END_VERSION5 (0)	End of version 5 answer area
624	(270)	X'1'	0	ECD_VERSION1	"1" ECD version 1
624	(270)	X'2'	0	ECD_VERSION2	"2" ECD version 2
624	(270)	X'3'	0	ECD_VERSION3	"3" ECD version 3
624	(270)	X'4'	0	ECD_VERSION4	"4" ECD version 4
624	(270)	X'5'	0	ECD_VERSION5	"5" ECD version 5
624	(270)	X'5'	0	ECD_VERSION_LATEST	"5" ECD version W2EQY
624	(270)	X'224'	0	ECD_VERSION1_LEN	"548" Length of version 1 ECD
624	(270)	X'228'	0	ECD_VERSION2_LEN	"552" Length of version 2 ECD
624	(270)	X'249'	0	ECD_VERSION3_LEN	"585" Length of version 3 ECD
624	(270)	X'250'	0	ECD_VERSION4_LEN	"592" Length of version 4 ECD
624	(270)	X'270'	0	ECD_VERSION5_LEN	"624" Length of version 5 ECD
624	(270)	X'270'	0	ECD_LEN	**-"ECD"

IWMECD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ECD	0		ECD_SCHEDULINGENVIRONMENT_LEN	260	
ECD_CHAR_FIELD1	4		ECD_START_VERSION3	228	
ECD_CHAR_FIELD2	62		ECD_START_VERSION4	250	
ECD_CHAR_FIELD3	76		ECD_START_VERSION5	250	
ECD_END_VERSION1	224		ECD_SUBSYSTEMCOLLECTIONNAME	261	
ECD_END_VERSION2	228		ECD_VERSION	204	
ECD_END_VERSION3	249		ECD_VERSION_LATEST	270	5
ECD_END_VERSION4	250		ECD_VERSION1	270	1
ECD_END_VERSION5	270		ECD_VERSION1_LEN	270	224
ECD_LEN	270	270	ECD_VERSION2	270	2
ECD_LENGTH	218		ECD_VERSION2_LEN	270	228
ECD_LENGTH_FIELDS	0		ECD_VERSION3	270	3
ECD_PERFORM	21A		ECD_VERSION3_LEN	270	249
ECD_PRIORITY	224		ECD_VERSION4	270	4
ECD_PROCEDURENAME	205		ECD_VERSION4_LEN	270	250
ECD_PROCESSNAME	228		ECD_VERSION5	270	5
ECD_PROCESSNAME_LEN	248		ECD_VERSION5_LEN	270	270
ECD_PROCNAME_LEN	222		ECDACCL	3	
ECD_SCHEDULINGENVIRONMENT	250		ECDACCT	175	
			ECDCLLL	0	
			ECDCNCTN	3C	
			ECDCOLL	44	

IWMECD Cross Reference

Name	Hex Offset	Hex Value
EDCORL	1	
ECDCORR	56	
ECDFCN	66	
ECDLU	24	
ECDNET	1C	
ECDPCKG	34	
ECDPLAN	2C	
ECDSPL	2	
ECDSPLM	76	
ECDSUBN	6E	
ECDSUBT	62	
ECDTRXC	14	
ECDTRXN	4	
ECDUSER	C	

IWMECDX Information

IWMECDX Programming Interface information

Programming Interface information

IWMECDX

End of Programming Interface information

IWMECDX Heading Information • IWMECDX Map

IWMECDX Heading Information

Common Name: Enclave Classification Data Mapping extended
Macro ID: IWMECDX
DSECT Name: IWMECDX
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Key: N/A FREQUENCY: N/A
Size: See assembler listing
 IWMECDX -- X'000C' bytes
 IWMECDX_CLASSIFICATION -- X'0814' bytes
 IWMECDX_PERFORMANCE -- X'001C' bytes
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Provides a mapping of the classification data and the resulting WLM performance management information that is returned by the IWM4EQRY service.
Usage:
 If you request IWMEQRY to return Classification data only, then section IWMECDX_Performance will not be created by IWMEQRY and IWMECDX_Offset_Performance will be zero. The length of the data area that you supply to IWMEQRY consequently must be large enough to contain section IWMECDX plus section IWMECDX_Classification. Vice versa, if you request IWMEQRY to return the resulting WLM performance management information only, then section IWMECDX_Classification will not be created by IWMEQRY and IWMECDX_Offset_Classification will be zero. The length of the data area that you supply to IWMEQRY consequently must be large enough to contain section IWMECDX plus section IWMECDX_Performance.

IWMECDX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IWMECDX	
0	(0)	BITSTRING	1	IWMECDX_VERSION	
1	(1)	CHARACTER	3		indicates version of data returned by IWM4EQRY
4	(4)	SIGNED	4	IWMECDX_OFFSET_CLASSIFICATION	Reserved for alignment
				(0)	offset within IWMECDX to section IWMECDX_Classification
4	(4)	SIGNED	4	IWMEDX_OFFSET_CLASSIFICATION	obsolete, prefix has a typo
8	(8)	SIGNED	4	IWMECDX_OFFSET_PERFORMANCE	
				(0)	offset within IWMECDX to section IWMECDX_Performance
8	(8)	SIGNED	4	IWMEDX_OFFSET_PERFORMANCE	obsolete, prefix has a typo
Comment					
End of version 0					
End of Comment					
12	(C)	CHARACTER	1	IWMECDX_END_V0	
				(0)	
12	(C)	X'C'	0	IWMECDX_LEN	**_IWMECDX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IWMECDX_CLASSIFICATION	
0	(0)	CHARACTER	4	IWMECDX_LENGTH_FIELDS	
				(0)	
0	(0)	BITSTRING	1	IWMECDX_CLLL	Collection length
1	(1)	BITSTRING	1	IWMECDX_CORL	Correlation length
2	(2)	BITSTRING	1	IWMECDX_SSPL	Subsystem Parameter length
3	(3)	BITSTRING	1	IWMECDX_ACCL	Account Information length
4	(4)	CHARACTER	94	IWMECDX_CHAR_FIELD1	
				(0)	
4	(4)	CHARACTER	8	IWMECDX_TRXN	Transaction program name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	CHARACTER	8	IWMECDX_USER	Userid
20	(14)	CHARACTER	8	IWMECDX_TRXC	Transaction class
28	(1C)	CHARACTER	8	IWMECDX_NET	Network ID
36	(24)	CHARACTER	8	IWMECDX_LU	Logical Unit name
44	(2C)	CHARACTER	8	IWMECDX_PLAN	Plan
52	(34)	CHARACTER	8	IWMECDX_PCKG	Package
60	(3C)	CHARACTER	8	IWMECDX_CNCTN	Connection
68	(44)	CHARACTER	18	IWMECDX_COLL	Collection
86	(56)	CHARACTER	12	IWMECDX_CORR	Correlation
98	(62)	CHARACTER	20	IWMECDX_CHAR_FIELD2 (0)	
98	(62)	CHARACTER	4	IWMECDX_SUBT	Subsystem Type
102	(66)	CHARACTER	8	IWMECDX_FCN	Function Name
110	(6E)	CHARACTER	8	IWMECDX_SUBN	Subsystem Name
118	(76)	CHARACTER	255	IWMECDX_SSPM	Subsystem Parameter
373	(175)	CHARACTER	143	IWMECDX_ACCT	Account Information
516	(204)	CHARACTER	18	IWMECDX_PROCEDURENAME	Proc name
534	(216)	CHARACTER	8	IWMECDX_PERFORM	Perform= value, EBCDIC format.
542	(21E)	BITSTRING	1	IWMECDX_PROCNAME_LEN	Procedure name length
543	(21F)	CHARACTER	1		Reserved
544	(220)	SIGNED	4	IWMECDX_PRIORITY	Subsystem priority in binary format. Contains hexadecimal 80000000 if the subsystem did not provide a priority.
548	(224)	CHARACTER	32	IWMECDX_PROCESSNAME	Process name
580	(244)	BITSTRING	1	IWMECDX_PROCESSNAME_LEN	Process name length
Comment					
Resource affinity scheduling environment requested in the JCL or blank if none was supplied					
End of Comment					
581	(245)	CHARACTER	16	IWMECDX_SCHEDULINGENVIRONMENT	
597	(255)	BITSTRING	1	IWMECDX_SCHEDULINGENVIRONMENT_LEN	
Comment					
Subsystem collection name.					
End of Comment					
598	(256)	CHARACTER	8	IWMECDX_SUBSYSTEMCOLLECTIONNAME	
606	(25E)	CHARACTER	2		Reserved
Comment					
End of version 0					
End of Comment					
608	(260)	CHARACTER	1	IWMECDX_END_V0_CLASSIFICATION (0)	
Comment					
Package name - long version					
End of Comment					
608	(260)	CHARACTER	128	IWMECDX_PACKAGENAMELONG	
736	(2E0)	SIGNED	2	IWMECDX_PACKAGENAMELONG_LEN	
Comment					
Procedure name - long version					
End of Comment					
738	(2E2)	CHARACTER	128	IWMECDX_PROCEDURENAMELONG	
866	(362)	SIGNED	2	IWMECDX_PROCEDURENAMELONG_LEN	

IWMECDX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Client IP Address					
End of Comment					
868	(364)	CHARACTER	39	IWMECDX_CLIENTIPADDRESS	
907	(38B)	BITSTRING	1	IWMECDX_CLIENTIPADDRESS_LEN	
Comment					
Client Userid					
End of Comment					
908	(38C)	CHARACTER	128	IWMECDX_CLIENTUSERID	
1036	(40C)	SIGNED	2	IWMECDX_CLIENTUSERID_LEN	
Comment					
Client IP Address					
End of Comment					
1038	(40E)	CHARACTER	255	IWMECDX_CLIENTTRXNAME	
1293	(50D)	CHARACTER	1		
1294	(50E)	SIGNED	2	IWMECDX_CLIENTTRXNAME_LEN	
Comment					
Client IP Address					
End of Comment					
1296	(510)	CHARACTER	255	IWMECDX_CLIENTWKSNAME	
1551	(60F)	CHARACTER	1		
1552	(610)	SIGNED	2	IWMECDX_CLIENTWKSNAME_LEN	
Comment					
Client IP Address					
End of Comment					
1554	(612)	CHARACTER	512	IWMECDX_CLIENTACCOUNTING	
2066	(812)	SIGNED	2	IWMECDX_CLIENTACCOUNTING_LEN	
Comment					
End of version 1					
End of Comment					
2068	(814)	CHARACTER	1	IWMECDX_END_V1_CLASSIFICATION	
2068	(814)	X'814'	0	IWMECDX_CLASSIFICATION_LEN	**-IWMECDX_CLASSIFICATION"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IWMECDX_PERFORMANCE	
0	(0)	CHARACTER	16	IWMECDX_SERVICE_CLASS_DATA	
0	(0)	CHARACTER	8	IWMECDX_SERVICE_CLASS_NAME	Name of Srv Class
8	(8)	CHARACTER	8	IWMECDX_REPORT_CLASS_NAME	Name of Reprt Class
16	(10)	CHARACTER	12	IWMECDX_SERVICE_PERIOD_DATA	
16	(10)	SIGNED	4	IWMECDX_PERIOD_NUMBER	Number of this Period
20	(14)	SIGNED	4	IWMECDX_PERIOD_PRF_INDEX	Perf. Index of P.
24	(18)	SIGNED	2	IWMECDX_PERIOD_IMPORTANCE	Importance of P.
26	(1A)	CHARACTER	2		reserved

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
End of version 0					
End of Comment					
28	(1C)	CHARACTER	1	IWMECDX_END_V0_PERFORMANCE (0)	
28	(1C)	X'0'	0	IWMECDX_VERSION0	"0" IWMECDX version 0
28	(1C)	X'1'	0	IWMECDX_VERSION1	"1" IWMECDX version 1
28	(1C)	X'1'	0	IWMECDX_VERSION_LATEST	"1" latest version of mapping
28	(1C)	X'288'	0	IWMECDX_V0_LENGTH	"648" Length of version 0 IWMECDX
28	(1C)	X'83C'	0	IWMECDX_V1_LENGTH	"2108" Length of version 1 IWMECDX
28	(1C)	X'83C'	0	IWMECDX_MAX_LENGTH	"2108" Current maximal length
28	(1C)	X'1C'	0	IWMECDX_PERFORMANCE_LEN	"*-IWMECDX_PERFORMANCE"

IWMECDX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IWMECDX	0		IWMECDX_LEN	C	C
IWMECDX_ACCL	3		IWMECDX_LENGTH_FIELDS	0	
IWMECDX_ACCT	175		IWMECDX_LU	24	
IWMECDX_CHAR_FIELD1	4		IWMECDX_MAX_LENGTH	1C	83C
IWMECDX_CHAR_FIELD2	62		IWMECDX_NET	1C	
IWMECDX_CLASSIFICATION	0		IWMECDX_OFFSET_CLASSIFICATION	4	
IWMECDX_CLASSIFICATION_LEN	814	814	IWMECDX_OFFSET_PERFORMANCE	8	
IWMECDX_CLIENTACCOUNTING	612		IWMECDX_PACKAGENAMELONG	260	
IWMECDX_CLIENTACCOUNTING_LEN	812		IWMECDX_PACKAGENAMELONG_LEN	2E0	
IWMECDX_CLIENTIPADDRESS	364		IWMECDX_PCKG	34	
IWMECDX_CLIENTIPADDRESS_LEN	38B		IWMECDX_PERFORM	216	
IWMECDX_CLIENTTRXNAME	40E		IWMECDX_PERFORMANCE	0	
IWMECDX_CLIENTTRXNAME_LEN	50E		IWMECDX_PERFORMANCE_LEN	1C	1C
IWMECDX_CLIENTUSERID	38C		IWMECDX_PERIOD_IMPORTANCE	18	
IWMECDX_CLIENTUSERID_LEN	40C		IWMECDX_PERIOD_NUMBER	10	
IWMECDX_CLIENTWKSNAME	510		IWMECDX_PERIOD_PRF_INDEX	14	
IWMECDX_CLIENTWKSNAME_LEN	610		IWMECDX_PLAN	2C	
IWMECDX_CLLL	0		IWMECDX_PRIORITY	220	
IWMECDX_CNCTN	3C		IWMECDX_PROCEDURENAME	204	
IWMECDX_COLL	44		IWMECDX_PROCEDURENAMELONG	2E2	
IWMECDX_CORL	1		IWMECDX_PROCEDURENAMELONG_LEN	362	
IWMECDX_CORR	56		IWMECDX_PROCESSNAME	224	
IWMECDX_END_V0	C		IWMECDX_PROCESSNAME_LEN	244	
IWMECDX_END_V0_CLASSIFICATION	260		IWMECDX_PROCNAME_LEN	21E	
IWMECDX_END_V0_PERFORMANCE	1C		IWMECDX_REPORT_CLASS_NAME	8	
IWMECDX_END_V1_CLASSIFICATION	814		IWMECDX_SCHEDULINGENVIRONMENT		
IWMECDX_FCN	66				

IWMECDX Cross Reference

Name	Hex Offset	Hex Value
IWMECDX_SCHEDULINGENVIRONMENT_LEN	245	
IWMECDX_SERVICE_CLASS_DATA	255	
IWMECDX_SERVICE_CLASS_NAME	0	
IWMECDX_SERVICE_PERIOD_DATA	0	
IWMECDX_SSPL	10	
IWMECDX_SSPM	2	
IWMECDX_SUBN	76	
IWMECDX_SUBSYSTEMCOLLECTIONNAME	6E	
IWMECDX_SUBT	256	
IWMECDX_TRXC	62	
IWMECDX_TRXN	14	
IWMECDX_USER	4	
IWMECDX_VERSION	C	
IWMECDX_VERSION_LATEST	0	
IWMECDX_VERSION0	1C	1
IWMECDX_VERSION1	1C	0
IWMECDX_V0_LENGTH	1C	1
IWMECDX_V1_LENGTH	1C	288
IWMEDX_OFFSET_CLASSIFICATION	1C	83C
IWMEDX_OFFSET_PERFORMANCE	4	
	8	

IWMENF57 Information

IWMENF57 Programming Interface information

Programming Interface information

IWMENF57

End of Programming Interface information

IWMENF57 Heading Information • IWMENF57 Map

IWMENF57 Heading Information

Common Name: ENF signal 57 parameter list
Macro ID: IWMENF57
DSECT Name: WLMENF57
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Key: 0
 Residency: Above 16M line, in the private storage of the address space in which the listen exit receives control.
Size: See assembly listing
Created by: WLM
Pointed to by: First word of the parameter list passed to the listen exit
Serialization: None
Function: Maps the parameter list passed to ENF listen exits that are listening for event code 57. This event occurs when the status of a scheduling environment changes.

IWMENF57 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WLMENF57	
0	(0)	BITSTRING	4	WLMENF57_QUALIFIER	IWMENF57.164: Qualifier
4	(4)	CHARACTER	16	WLMENF57_SCHENV	IWMENF57.27: Name of the scheduling environment whose status changed
20	(14)	CHARACTER	8	WLMENF57_SYSTEM_NAME	IWMENF57.90: Name of the system on which the status changed
28	(1C)	BITSTRING	1	WLMENF57_FLAG (0)	IWMENF57.87: Flags
		1... ..		WLMENF57_SCHENV_AVAILABLE	"X'80" IWMENF57.203: If on, indicates that the scheduling environment is available. If off, indicates that the scheduling environment is not available.
29	(1D)	CHARACTER	3	WLMENF57_RESERVED_FLAGS	IWMENF57.102: Reserved flags
32	(20)	CHARACTER	8	WLMENF57_RESERVED1	IWMENF57.192: Reserved
40	(28)	CHARACTER	8	WLMENF57_RESERVED2	IWMENF57.234: Reserved
Comment					
IWMENF57.229: End of parameter list					
Qualifier values					
IWMENF57.13: The state of a scheduling environment has changed due to a MODIFY WLM,RESOURCE= command or IWMSESET service request					
End of Comment					
		.... ..		WLMENF57_NORMAL_SCHENV_CHANGE	"X'80000000"
Comment					
IWMENF57.158: The state of a scheduling environment has changed due to WLM recovery processing					
End of Comment					
		.... ..		WLMENF57_RECOVERY_SCHENV_CHANGE	"X'40000000"
40	(28)	X'30'	0	WLMENF57_LEN	"*-WLMENF57"

IWMENF57 Cross Reference

Name	Hex Offset	Hex Value
WLMENF57	0	
WLMENF57_FLAG		
	1C	
WLMENF57_LEN	28	30
WLMENF57_NORMAL_SCHENV_CHANGE		
	28	0
WLMENF57_QUALIFIER		
	0	
WLMENF57_RECOVERY_SCHENV_CHANGE		
	28	0
WLMENF57_RESERVED_FLAGS		
	1D	
WLMENF57_RESERVED1		
	20	
WLMENF57_RESERVED2		
	28	
WLMENF57_SCHENV		
	4	
WLMENF57_SCHENV_AVAILABLE		
	1C	80
WLMENF57_SYSTEM_NAME		
	14	

IWMENF61 Information

IWMENF61 Programming Interface information

Programming Interface information

IWMENF61

End of Programming Interface information

IWMENF61 Heading Information • IWMENF61 Cross Reference

IWMENF61 Heading Information

Common Name: ENF signal 61 parameter list
Macro ID: IWMENF61
DSECT Name: WLMENF61
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: See assembly listing
Created by: WLM
Pointed to by: First word of the parameter list passed to the listen exit
Serialization: None
Function: Maps the parameter list passed to ENF listen exits that are listening for event code 61. This event occurs when the capacity of the MVS image or the CEC changes.

IWMENF61 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WLMENF61	
0	(0)	SIGNED	2	ENF61LEN	IWMENF61.164: Parm list length
2	(2)	SIGNED	2	ENF61VER	IWMENF61.27: Parm List Version
4	(4)	BITSTRING	4	ENF61QUAL	IWMENF61.99: Qualifier
8	(8)	SIGNED	4	ENF61IMAGECAPACITY	
					IWMENF61.16: Potential CPU capacity of the logical partition, or of the CEC if in basic mode.
12	(C)	SIGNED	4	ENF61CECCAPACITY	
					IWMENF61.180: Potential CPU capacity of the CEC
16	(10)	SIGNED	4	ENF61VMCAPACITY	
					IWMENF61.234: Potential CPU capacity of the virtual machine. This is 0 if MVS is not running in a virtual machine.
_____ Comment _____					
					IWMENF61.229: End of parameter list
					Qualifier values
					IWMENF61.13: The MVS image or CEC capacity changed
_____ End of Comment _____					
		.... ..		WLMENF61_CAPACITY_CHANGE	
					"X'80000000"
16	(10)	X'14'	0	WLMENF61_LEN	**-WLMENF61"

IWMENF61 Cross Reference

Name	Hex Offset	Hex Value
ENF61CECCAPACITY		C
ENF61IMAGECAPACITY		8
ENF61LEN		0
ENF61QUAL		4
ENF61VER		2
ENF61VMCAPACITY		10
WLMENF61		0
WLMENF61_CAPACITY_CHANGE		10 0
WLMENF61_LEN		10 14

IWMPB Information

IWMPB Programming Interface information

Programming Interface information

IWMPB

INCLUDE ONLY

End of Programming Interface information

IWMPB Heading Information • IWMPB Map

IWMPB Heading Information

Common Name: Performance Block for IWM Work Manager and Delay Monitoring Services
Macro ID: IWMPB
DSECT Name: PB
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: PB (padded on the right with two blanks)
 Offset: 0
 Length: 4
Storage Attributes: Key: Specified on IWMMCREA FREQUENCY: One per successful invocation of IWMMCREA
Size: 1152 bytes
Created by: IWMMCREA service routine
Pointed to by: PBDE_PBPTR
Serialization: Responsibility of the user of the monitoring token returned by IWMMCREA
Function: Provides a mapping of the data area for users of IWM services and exits.

IWMPB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PB	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	32	PB_CREATE	Space reserved for Create attributes
0	(0)	CHARACTER	5	PB_ID_VERSION	
					Space for id and version information
0	(0)	CHARACTER	4	PB_ID	Space for id
0	(0)	X'C24040'	0	PB_ID_CONST	"C'PB '" Performance block eye catcher constant
4	(4)	BITSTRING	1	PB_VERSION	Space for version information
4	(4)	X'1'	0	PB_VERSION1	"1" Performance block version 1. 1=HBB5510, HBB5520
4	(4)	X'2'	0	PB_VERSION2	"2" Performance block version 2. 2=HBB6603.
4	(4)	X'3'	0	PB_VERSION3	"3" Performance block version 3. 3=JBB6609.
4	(4)	X'4'	0	PB_VERSION4	"4" Performance block version 4. 4=HBB7705.
4	(4)	X'5'	0	PB_VERSION5	"5" Performance block version 5. 4=HBB7707.
4	(4)	X'6'	0	PB_VERSION6	"6" Performance block version 6. 6=HBB7730 or HBB7720 with APAR OA12935
4	(4)	X'7'	0	PB_VERSION7	"7" Performance block version 7. 7=HBB7740
4	(4)	X'8'	0	PB_VERSION8	"8" Performance block version 8. 8=HBB7790 64 Bit Support
4	(4)	X'8'	0	PB_CURRENT_VERSION	
					"8" Performance block current version
5	(5)	BITSTRING	1	PB_FLAGS	Flag Area
5	(5)	X'CO'	0	PB_FLAGS_MASK	
					"PB_REPORT_ONLY+PB_ASSOCIATE" Mask for PB Flags
		1...		PB_REPORT_ONLY	
					"B'10000000" This is a report only PB
		.1..		PB_ASSOCIATE	
					"B'01000000" This PB is associated with an enclave or an address space
		..1.		PB_EWLM_ENABLED	
					"B'00100000"
		...1		PB_EWLM_PARENT_ENABLED	
					"B'00010000"
		.... 1...		PB_EWLM_EWLM_YES	
					"B'00001000"
		.... .1..		PB_BPMGMT_ONLY	
					"B'00000100" This is a BP mgmt only PB
6	(6)	BITSTRING	2	PB_NEW_LENGTH	
					Length of PB_CLEAR. See Notes section in prolog if you are changing the length of PB_CLEAR
8	(8)	CHARACTER	4	PB_SUBSYS_TYPE	
					Subsystem type
12	(C)	CHARACTER	8	PB_SUBSYSNM	Subsystem name
20	(14)	ADDRESS	4	PB_MIRROR_PTR	
					PB Mirror pointer
20	(14)	BITSTRING	4	PB_MIRROR_TKN	
					Token for control information
24	(18)	CHARACTER	8	PB_RSVD0018	Reserved space
32	(20)	CHARACTER	1	PB_CLEAR_FLD	Origin of area to be cleared for reuse
					(0)
32	(20)	BITSTRING	4	PB_OWNER_DATA	
					Data specified by user/owner
36	(24)	BITSTRING	4	PB_OWNER_TKN	Token specified by user/owner
40	(28)	DBL WORD	8	(0)	PB_ARRTIME should be on a dwd boundary
40	(28)	BITSTRING	8	PB_ARRTIME	Arrival time for work request
48	(30)	DBL WORD	8	(0)	PB_EXSTARTTIME should be on a dwd boundary
48	(30)	BITSTRING	8	PB_EXSTARTTIME	
					Execution start time for work request

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
56	(38)	ADDRESS	4	PB_DU_ASCB	Address of ASCB associated with the dispatchable unit serving the work request
60	(3C)	ADDRESS	4	PB_DU	Address of TCB associated with the dispatchable unit serving the work request or 1 signifying an SRB
60	(3C)	X'1'	0	PB_DU_SRB	"1" DU is associated with an SRB
60	(3C)	X'1'	0	PB_SRB_SAMEDU_NO	"1" DU is associated with an SRB distinct from the parent
60	(3C)	X'3'	0	PB_SRB_SAMEDU_YES	"3" DU is associated with same SRB as parent
64	(40)	CHARACTER	1	PB_RSVD0040	Reserved space
65	(41)	BITSTRING	1	PB_STATE	State of the work request
		.... ....		PB_STATE_FREE	"X'00" State is free - PB not associated with a work request
		.... ...1		PB_STATE_ACTIVE	"X'01" State is active - work request associated with the PB is active (running on a CP)
		.... ...1		PB_STATE_ACTIVE_SUBSYS	"X'01" @WLMPAPC State is active - subsys work request with the PB is active (running on a CP) - Equivalent to old active state
		.... ..1.		PB_STATE_READY	"X'02" State is ready - work request associated with the PB is ready (could run on a CP if another program were not running)
		.... ..11		PB_STATE_IDLE	"X'03" State is idle - no work request is available to the work manager that it is allowed to run
		.... ..1..		PB_STATE_ACTIVE_APPL	"X'04" @OW54806 State is active - application work with the PB is active
		111. ...1		PB_STATE_WAITING_SSL_THREAD	"X'E1" @WLMPAPC State is waiting on an SSL Thread
		111. ..1.		PB_STATE_WAITING_REG_THREAD	"X'E2" @OW54806 State is waiting on a regular Thread
		111. ..11		PB_STATE_WAITING_REG_TO_WRKTB	"X'E3" @OW54806 State is waiting for a registration to worktable
		11.1 ...1		PB_STATE_WAITING_TYPE1	"X'D1" @WLMPPBS Waiting state for resource TYPE 1
		11.1 ..1.		PB_STATE_WAITING_TYPE2	"X'D2" @WLMPPBS Waiting state for resource TYPE 2
		11.1 ..11		PB_STATE_WAITING_TYPE3	"X'D3" @WLMPPBS Waiting state for resource TYPE 3
		11.1 ..1..		PB_STATE_WAITING_TYPE4	"X'D4" @WLMPPBS Waiting state for resource TYPE 4
		11.1 ..1.1		PB_STATE_WAITING_TYPE5	"X'D5" @WLMPPBS Waiting state for resource TYPE 5
		11.1 ..11.		PB_STATE_WAITING_TYPE6	"X'D6" @WLMPPBS Waiting state for resource TYPE 6
		11.1 ..111		PB_STATE_WAITING_TYPE7	"X'D7" @WLMPPBS Waiting state for resource TYPE 7
		11.1 1...		PB_STATE_WAITING_TYPE8	"X'D8" @WLMPPBS Waiting state for resource TYPE 8
		11.1 1..1		PB_STATE_WAITING_TYPE9	"X'D9" @WLMPPBS Waiting state for resource TYPE 9
		11.1 1.1.		PB_STATE_WAITING_TYPE10	"X'DA" @WLMPPBS Waiting state for resource TYPE 10
		11.1 1.11		PB_STATE_WAITING_TYPE11	"X'DB" @WLMPPBS Waiting state for resource TYPE 11
		11.1 11..		PB_STATE_WAITING_TYPE12	"X'DC" @WLMPPBS Waiting state for resource TYPE 12
		11.1 11.1		PB_STATE_WAITING_TYPE13	"X'DD" @WLMPPBS Waiting state for resource TYPE 13
		11.1 111.		PB_STATE_WAITING_TYPE14	"X'DE" @WLMPPBS Waiting state for resource TYPE 14
		11.1 1111		PB_STATE_WAITING_TYPE15	"X'DF" @WLMPPBS Waiting state for resource TYPE 15
		1111 ...1		PB_STATE_WAITING_BUFFER_POOL_IO	"X'F1" State is waiting on an IO due to a buffer pool miss
		1111 ..1.		PB_STATE_WAITING_BUFFER_POOL_CF	"X'F2" State is waiting on an CF access due to a buffer pool miss
		1111 ..11		PB_STATE_WAITING_BUFFER_POOL_CF_IO	"X'F3" State is waiting on an IO due to a buffer pool miss and a CF miss
		1111 ..1..		PB_STATE_WAITING_CF_IO	"X'F4" @WLMPPBPM State is waiting on an IO due to a CF miss
		1111 ..1.1		PB_STATE_WAITING_DISTRIB	"X'F5" State is waiting on a distributed request
		1111 ..11.		PB_STATE_WAITING_TIMER	"X'F6" State is waiting on a timer

IWMPB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1111 .111		PB_STATE_WAITING_LATCH	"XF7" State is waiting on a latch
		1111 1..		PB_STATE_WAITING_CONV	"XF8" State is waiting on a conversation
		1111 1..1		PB_STATE_WAITING_SESS_LOCALMVS	"XF9" State is waiting to establish a session somewhere in the same MVS image
		1111 1..1.		PB_STATE_WAITING_SESS_SYSPLEX	"XFA" State is waiting to establish a session somewhere in the sysplex
		1111 1..11		PB_STATE_WAITING_SESS_NETWORK	"XFB" State is waiting to establish a session somewhere in the network
		1111 11..		PB_STATE_WAITING_OTHER_PRODUCT	"XFC" State is waiting on another product
		1111 11.1		PB_STATE_WAITING_MISC	"XFD" State is waiting on some unidentified resource, possibly one of the other defined waiting conditions
		1111 111.		PB_STATE_WAITING_LOCK	"XFE" State is waiting on one or more locks
		1111 1111		PB_STATE_WAITING_IO	"XFF" State is waiting on I/O or some activity associated with an I/O request
66	(42)	BITSTRING	1	PB_WORKDEF	Flags associated with the work request
		1...		PB_INIT	"B'10000000" Initialize used for work environment
		.1...		PB_FROM_LOCALMVS	"B'01000000" CONTINUATION(YES) FROM(LOCALMVS)
		..1.		PB_FROM_SYSPLEX	"B'00100000" CONTINUATION(YES) FROM(SYSPLEX)
		...1		PB_FROM_NETWORK	"B'00010000" CONTINUATION(YES) FROM(NETWORK)
		.... 1...		PB_FROM_NONE	"B'00001000" CONTINUATION(YES) FROM(NONE)
		.... .1..		PB_SCOPE_SHARED	"B'00000100" Initialize SCOPE(SHARED) work rqst
Comment					
EQU B'00000010' RESERVED					
End of Comment					
67	(43)	BITSTRING	1	PB_RELATE	"B'00000001" Relate used for work environment
		.... .1		PB_SWITCH_INFO	Switch Continuation Information
		.... .1		PB_SWITCH_LOCALMVS	"X'01" Switch WHERE(LOCALMVS)
		.... .1.		PB_SWITCH_SYSPLEX	"X'02" Switch WHERE(SYSPLEX)
		.... .11		PB_SWITCH_NETWORK	"X'03" Switch WHERE(NETWORK)
68	(44)	BITSTRING	1	PB_MONENV_INFO	Information about the mon. env.
68	(44)	X'C0'	0	PB_DURATION	"PB_DURATION_EXECUTION+PB_DURATION_BEGIN_TO_END" Mask for all duration options.
Comment					
WARNING: PB_DURATION must be updated whenever a new duration value is added.					
End of Comment					
		1...		PB_DURATION_BEGIN_TO_END	"B'10000000" DURATION(BEGIN_TO_END)
		.1..		PB_DURATION_EXECUTION	"B'01000000" DURATION(EXECUTION)
69	(45)	CHARACTER	3	PB_RSVD0045	Reserved space
72	(48)	BITSTRING	4	PB_PARENT_MONTKN	Token for the parent monitoring environment
		.... ....		PB_PARENT_MONTKN_HIBIT	"X'80000000" Hi order bit of token
74	(4A)	SIGNED	2	PB_PARENT_HOME_ASID	ASID for Parent when parent is an address space
72	(48)	ADDRESS	4	PB_PARENT_MONPTR	Pointer to the parent monitoring environment
76	(4C)	ADDRESS	4	PB_PARENT_MIRROR_PTR	PB Parent mirror token pointer
76	(4C)	BITSTRING	4	PB_PARENT_MIRROR_TKN	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Token for parent control information
80	(50)	BITSTRING	4	PB_DEP_MONTKN	Token for the dependent monitoring environment related to this environment
		.... ....		PB_DEP_MONTKN_HIBIT	"X'80000000" Hi Order bit of token
80	(50)	ADDRESS	4	PB_DEP_MONPTR	Pointer to the dependent monitoring environment related to this environment
84	(54)	ADDRESS	4	PB_DEP_MIRROR_PTR	PB Dependent mirror token pointer
84	(54)	BITSTRING	4	PB_DEP_MIRROR_TKN	Token for dependent environment control information
88	(58)	BITSTRING	4	PB_SC_TKN	Service class token for the work request
92	(5C)	BITSTRING	4	PB_ABNORMAL_FLAGS	Abnormal flags
		.... ...1		PB_ABNORMAL_LOCALMVS	"X'00000001" Abnormality only affects current MVS image
		.... ..1.		PB_ABNORMAL_SYSPLEX	"X'00000002" Abnormality affects all MVS images in the sysplex
96	(60)	CHARACTER	52	PB_WORK_ATTRIBUTES	Attributes associated with the work request
96	(60)	CHARACTER	8	PB_USERID	Userid associated with the work request
104	(68)	CHARACTER	8	PB_TRXNAME	Transaction name associated with the work request
112	(70)	CHARACTER	8	PB_TRXCLASS	Transaction class associated with the work request
120	(78)	CHARACTER	8	PB_RSVD0078	Reserved space
128	(80)	CHARACTER	17	PB_SOURCELU	Source LU name associated with the work request
145	(91)	BITSTRING	3	PB_RSVD0091	Reserved space
148	(94)	BITSTRING	1	PB_LU62TKN_FMT	Format of the LU62 token
		.... ...1		PB_LU62FMT_LU_NO_CC_27	"X'01" The LU6.2 token associated with the work request is a fixed length token of 27 bytes with no conversation correlator (not even its length byte). The LU name may be 1-17 bytes. Bytes at the end of the token are padded with hexadecimal zeros, if necessary, to form a full 27 bytes.
		.... ..1.		PB_LU62FMT_FULL_LU_NO_CC_27	"X'02" The LU6.2 token associated with the work request is a fully qualified LU name (17 bytes), but no conversation correlator (not even its length byte) is provided. This format is architected to be 27 bytes long.
		.... ...11		PB_LU62FMT_FULL_LU_0_CC_28	"X'03" The LU6.2 token associated with the work request is a fully qualified LU name (17 bytes), and the conversation correlator length byte is present and has the value 0. This format is architected to be 28 bytes long.
		.... ..1..		PB_LU62FMT_FULL_LU_CC_36	"X'04" The LU6.2 token associated with the work request is a fully qualified LU name (17 bytes), and the conversation correlator is provided with a length of 8 (maximum allowed). This format is architected to be 36 bytes long.
		.... ....		PB_LU62FMT_OTHER	"X'00" The LU6.2 token associated with the work request contains self-defining length fields.
148	(94)	X'24'	0	PB_MAX_LU62TKN_LEN	"36" Maximum length of an LU6.2 token (in decimal).
149	(95)	BITSTRING	1	PB_RSVD0095	Reserved space
150	(96)	SIGNED	2	(0)	PB_AS_ID should be on a hword boundary
150	(96)	BITSTRING	2	PB_AS_ID	Address space id
152	(98)	CHARACTER	36	PB_LU62TKN	LU 6.2 token associated with the work request
188	(BC)	BITSTRING	4	PB_RSVD00BC	Reserved space
192	(C0)	CHARACTER	8	PB_ETOKEN	Enclave token
200	(C8)	CHARACTER	8	PB_BP_RESTKN	Buffer Pool resource token associated with the work request
208	(D0)	CHARACTER	8	PB_CF_RESTKN	Coupling Facility Structure resource token associated with the work request
216	(D8)	CHARACTER	32	PB_TRANS_TTOKEN	Transaction Trace Token
248	(F8)	CHARACTER	8	PB_FROM_SUBSYSNM	Subsystem name from where the request came in

IWMPB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>Any fields added prior to PB_CLEAR_LEN (and after PB_CLEAR_FLD) will be cleared by Initialize/Relate, while fields added after PB_CLEAR_LEN will NOT be cleared. If you are changing the length of PB_CLEAR, then read the Notes section in the prolog. @PWA0230 PB_CLEAR_LEN EQU -PB_CLEAR_FLD - Length of section cleared ORG PB_CLEAR_FLD PB_CLEAR DS CL(PB_CLEAR_LEN) Area to be cleared for reuse PB Data Extension for EWLM (another 216 Bytes) This section is not eligible for sampling in IRASASRV</p>					
End of Comment					
256	(100)	CHARACTER	256	PB_EWLM_DATA	
256	(100)	CHARACTER	64	PB_EWLM_PARENTCORRELATOR	
320	(140)	CHARACTER	64	PB_EWLM_CURRENTCORRELATOR	
384	(180)	CHARACTER	16	PB_EWLM_BLOCK_QUADWORD	
				(0)	
384	(180)	CHARACTER	8	PB_EWLM_LASTBLOCKTimestart	4 words on QuadWord boundary updated using CDSG Time in STCK format when the PB was started to be blocked due to the invocation of IWMMSWCH or IWMMXFER FUNCTION=CONTINUE
392	(188)	CHARACTER	7	PB_EWLM_TOTALBLOCKTIME	Accumulated total block time for this PB. Value is expressed in MicroSeconds, and should be treated as an unsigned number of 7 Bytes
399	(18F)	BITSTRING	1	PB_EWLM_BLOCKCOUNT	Number of times this PB (work request) is blocked. Incremented for each block, decremented upon each unblocking operation
400	(190)	CHARACTER	8	PB_EWLM_XFER_START_TIME	
408	(198)	SIGNED	4	PB_EWLM_WORKREQ_STA	
412	(19C)	ADDRESS	1	PB_EWLM_REQUEST	
412	(19C)	X'1'	0	PB_EWLM_REQUEST_XFER_CONTINUE_NOSWITCH	"1"
412	(19C)	X'2'	0	PB_EWLM_REQUEST_XFER_CONTINUE_SECONDARY	"2"
412	(19C)	X'3'	0	PB_EWLM_REQUEST_XFER_RETURN_NOSWITCH	"3"
412	(19C)	X'4'	0	PB_EWLM_REQUEST_XFER_RETURN_SECONDARY	"4"
412	(19C)	X'B'	0	PB_EWLM_REQUEST_RELA_CREATE_NOSWITCH	"11"
412	(19C)	X'C'	0	PB_EWLM_REQUEST_RELA_CREATE_SECONDARY	"12"
412	(19C)	X'D'	0	PB_EWLM_REQUEST_RELA_CREATE_HOME	"13"
412	(19C)	X'E'	0	PB_EWLM_REQUEST_RELA_DELETE	"14"
412	(19C)	X'15'	0	PB_EWLM_REQUEST_INIT_RESET_PACORR	"21"
412	(19C)	X'16'	0	PB_EWLM_REQUEST_INIT_RESET_PACTKN	"22"
412	(19C)	X'1F'	0	PB_EWLM_REQUEST_SWITCH_CONTINUE	"31"
412	(19C)	X'20'	0	PB_EWLM_REQUEST_SWITCH_RETURN	"32"
412	(19C)	X'29'	0	PB_EWLM_REQUEST_IWM4MSTR	"41"
412	(19C)	X'33'	0	PB_EWLM_REQUEST_IWM4MUPD	"51"
412	(19C)	X'3D'	0	PB_EWLM_REQUEST_IWM4MSTO	"61"
412	(19C)	X'47'	0	PB_EWLM_REQUEST_IWM4MCHS_UNBLOCK	"71"
412	(19C)	X'48'	0	PB_EWLM_REQUEST_IWM4MCHS_BLOCK	"72"
412	(19C)	X'49'	0	PB_EWLM_REQUEST_IWM4MCHS_BLOCK_ASYNC	"73"
412	(19C)	X'29'	0	PB_EWLM_REQUEST_IWMMSTR	"PB_EWLM_REQUEST_IWM4MSTR"
412	(19C)	X'33'	0	PB_EWLM_REQUEST_IWMMUPD	"PB_EWLM_REQUEST_IWM4MUPD"
412	(19C)	X'3D'	0	PB_EWLM_REQUEST_IWMMSTOP	"PB_EWLM_REQUEST_IWM4MSTO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
413	(19D)	CHARACTER	3	PB_RSVD019D	
416	(1A0)	CHARACTER	8	PB_EWLM_CUM_RESPTIME	
424	(1A8)	CHARACTER	8	PB_EWLM_CUM_QUEUEUTIME	
432	(1B0)	ADDRESS	4	PB_EWLM_PARMLIST	
436	(1B4)	CHARACTER	4	PB_RSVD01B4	
440	(1B8)	CHARACTER	20	PB_EWLM_MQ_P_CORR	
440	(1B8)	CHARACTER	8	PB_EWLM_MQ_P_APPLENV_ID	topology of parent correlator
448	(1C0)	CHARACTER	8	PB_EWLM_MQ_P_APPLINST_ID	
456	(1C8)	BITSTRING	2	PB_EWLM_MQ_P_PARENT_SYS_ID	
458	(1CA)	BITSTRING	2		reserved
460	(1CC)	CHARACTER	4	PB_RSVD01CC	
464	(1D0)	CHARACTER	8	PB_RSVD01D4	
472	(1D8)	BITSTRING	1	PB_EWLM_DATA_END	(0)

Comment

PB Extension for 64-Bit Support (40 Bytes)
 This section is eligible for sampling in IRASASRV

End of Comment

472	(1D8)	CHARACTER	40	PBX	
472	(1D8)	BITSTRING	8	PBX_DEP_MONTKN	
472	(1D8)	ADDRESS	8	PBX_DEP_MONPTR	
480	(1E0)	BITSTRING	8	PBX_PARENT_MONTKN	
480	(1E0)	ADDRESS	8	PBX_PARENT_MONPTR	
488	(1E8)	BITSTRING	8	PBX_MIRROR_TKN	
488	(1E8)	ADDRESS	8	PBX_MIRROR_PTR	
496	(1F0)	BITSTRING	8	PBX_PARENT_MIRROR_TKN	
496	(1F0)	ADDRESS	8	PBX_PARENT_MIRROR_PTR	
504	(1F8)	BITSTRING	8	PBX_DEP_MIRROR_TKN	
504	(1F8)	ADDRESS	8	PBX_DEP_MIRROR_PTR	
512	(200)	BITSTRING	1	PBX_END (0)	

Comment

This section is not eligible for sampling in IRASASRV

End of Comment

512	(200)	CHARACTER	256	PB_EWLM_MQ_PROCESSING_AREA	
512	(200)	CHARACTER	8	PB_EWLM_MQ_ARRIVALTIME	
520	(208)	CHARACTER	8	PB_EWLM_MQ_STARTTIME	
528	(210)	CHARACTER	64	PB_EWLM_MQ_CURRCORR	
592	(250)	CHARACTER	64	PB_EWLM_MQ_PARCORR	
656	(290)	CHARACTER	16	PB_EWLM_MQ_BLOCK_QUADWORD	
672	(2A0)	SIGNED	4	PB_EWLM_MQ_MSGS_SENT	
676	(2A4)	SIGNED	4	PB_EWLM_MQ_MSGS_RECEIVED	
680	(2A8)	SIGNED	4	PB_EWLM_MQ_ASYNC_BLOCKED	
684	(2AC)	SIGNED	4	PB_EWLM_MQ_TOTAL_BLOCKED	
688	(2B0)	SIGNED	4	PB_EWLM_MQ_FLAGS	
692	(2B4)	SIGNED	4	PB_EWLM_MQ_CORR_RECEIVED	
696	(2B8)	CHARACTER	72	PB_EWLM_MQ_C	
768	(300)	BITSTRING	1	PB_EWLM_MQ_PROCESSING_END	(0)

Comment

PB Extension Workarea for EWLM (another 384 Bytes)
 This section is not eligible for sampling in IRASASRV

End of Comment

768	(300)	CHARACTER	384	PB_EWLM_WORK	
1152	(480)	BITSTRING	1	PB_EWLM_WORK_END	(0)

IWMPB Cross Reference

IWMPB Cross Reference

Name	Hex Offset	Hex Value
PB	0	
PB_ABNORMAL_FLAGS	5C	
PB_ABNORMAL_LOCALMVS	5C	1
PB_ABNORMAL_SYSPLEX	5C	2
PB_ARRTIME	28	
PB_AS_ID	96	
PB_ASSOCIATE	5	40
PB_BP_RESTKN	C8	
PB_BPMGMT_ONLY	5	4
PB_CF_RESTKN	D0	
PB_CLEAR_FLD	20	
PB_CREATE	0	
PB_CURRENT_VERSION	4	8
PB_DEP_MIRROR_PTR	54	
PB_DEP_MIRROR_TKN	54	
PB_DEP_MONPTR	50	
PB_DEP_MONTKN	50	
PB_DEP_MONTKN_HIBIT	50	0
PB_DU	3C	
PB_DU_ASCB	38	
PB_DU_SRB	3C	1
PB_DURATION	44	C0
PB_DURATION_BEGIN_TO_END	44	80
PB_DURATION_EXECUTION	44	40
PB_ETOKEN	C0	
PB_EWLM_BLOCK_QUADWORD	180	
PB_EWLM_BLOCKCOUNT	18F	
PB_EWLM_CUM_QUEUEUTIME	1A8	
PB_EWLM_CUM_RESPTIME	1A0	
PB_EWLM_CURRENTCORRELATOR	140	
PB_EWLM_DATA	100	
PB_EWLM_DATA_END	1D8	
PB_EWLM_ENABLED	5	20
PB_EWLM_EWLM_YES	5	8
PB_EWLM_LASTBLOCKTIMESTART	180	
PB_EWLM_MQ_ARRIVALTIME	200	
PB_EWLM_MQ_ASYNC_BLOCKED	2A8	
PB_EWLM_MQ_BLOCK_QUADWORD	290	
PB_EWLM_MQ_C	2B8	
PB_EWLM_MQ_CORR_RECEIVED	2B4	
PB_EWLM_MQ_CURRCORR	210	
PB_EWLM_MQ_FLAGS	2B0	
PB_EWLM_MQ_MSGS_RECEIVED	2A4	
PB_EWLM_MQ_MSGS_SENT		

Name	Hex Offset	Hex Value
PB_EWLM_MQ_P_APPLENV_ID	2A0	
PB_EWLM_MQ_P_APPLINST_ID	1B8	
PB_EWLM_MQ_P_CORR	1C0	
PB_EWLM_MQ_P_PARENT_SYS_ID	1B8	
PB_EWLM_MQ_PARCORR	1C8	
PB_EWLM_MQ_PROCESSING_AREA	250	
PB_EWLM_MQ_PROCESSING_END	200	
PB_EWLM_MQ_STARTTIME	300	
PB_EWLM_MQ_TOTAL_BLOCKED	208	
PB_EWLM_PARENT_ENABLED	2AC	
PB_EWLM_PARENTCORRELATOR	5	10
PB_EWLM_PARMLIST	100	
PB_EWLM_REQUEST	1B0	
PB_EWLM_REQUEST_INIT_RESET_PACORR	19C	
PB_EWLM_REQUEST_INIT_RESET_PACTKN	19C	15
PB_EWLM_REQUEST_IWMMSTOP	19C	16
PB_EWLM_REQUEST_IWMMSTRT	19C	3D
PB_EWLM_REQUEST_IWMMUPD	19C	29
PB_EWLM_REQUEST_IWM4MCHS_BLOCK	19C	33
PB_EWLM_REQUEST_IWM4MCHS_BLOCK_ASYNC	19C	48
PB_EWLM_REQUEST_IWM4MCHS_UNBLOCK	19C	49
PB_EWLM_REQUEST_IWM4MSTO	19C	47
PB_EWLM_REQUEST_IWM4MSTR	19C	3D
PB_EWLM_REQUEST_IWM4MUPD	19C	29
PB_EWLM_REQUEST_RELA_CREATE_HOME	19C	D
PB_EWLM_REQUEST_RELA_CREATE_NOSWITCH	19C	B
PB_EWLM_REQUEST_RELA_CREATE_SECONDARY	19C	C
PB_EWLM_REQUEST_RELA_DELETE	19C	E
PB_EWLM_REQUEST_SWITCH_CONTINUE	19C	1F
PB_EWLM_REQUEST_SWITCH_RETURN	19C	20
PB_EWLM_REQUEST_XFER_CONTINUE_NOSWITCH	19C	1
PB_EWLM_REQUEST_XFER_CONTINUE_SECONDARY	19C	2
PB_EWLM_REQUEST_XFER_RETURN_NOSWITCH	19C	3
PB_EWLM_REQUEST_XFER_RETURN_SECONDARY	19C	4
PB_EWLM_TOTALBLOCKTIME	188	
PB_EWLM_WORK	300	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PB_EWLM_WORK_END			PB_RSVD01CC	1CC	
	480		PB_RSVD01D4	1D0	
PB_EWLM_WORKREQ_STA			PB_RSVD019D	19D	
	198		PB_SC_TKN	58	
PB_EWLM_XFER_START_TIME			PB_SCOPE_SHARED		
	190			42	4
PB_EXSTARTTIME			PB_SOURCELU	80	
	30		PB_SRB_SAMEDU_NO		
PB_FLAGS	5			3C	1
PB_FLAGS_MASK			PB_SRB_SAMEDU_YES		
	5	C0		3C	3
PB_FROM_LOCALMVS			PB_STATE	41	
	42	40	PB_STATE_ACTIVE		
PB_FROM_NETWORK				41	1
	42	10	PB_STATE_ACTIVE_APPL		
PB_FROM_NONE	42	8		41	4
PB_FROM_SUBSYSNM			PB_STATE_ACTIVE_SUBSYS		
	F8			41	1
PB_FROM_SYSPLEX			PB_STATE_FREE		
	42	20		41	0
PB_ID	0		PB_STATE_IDLE		
PB_ID_CONST	0	C24040		41	3
PB_ID_VERSION			PB_STATE_READY		
	0			41	2
PB_INIT	42	80	PB_STATE_WAITING_BUFFER_POOL_CF		
PB_LU62FMT_FULL_LU_CC_36				41	F2
	94	4	PB_STATE_WAITING_BUFFER_POOL_CF_IO		
PB_LU62FMT_FULL_LU_NO_CC_27				41	F3
	94	2	PB_STATE_WAITING_BUFFER_POOL_IO		
PB_LU62FMT_FULL_LU_0_CC_28				41	F1
	94	3	PB_STATE_WAITING_CF_IO		
PB_LU62FMT_LU_NO_CC_27				41	F4
	94	1	PB_STATE_WAITING_CONV		
PB_LU62FMT_OTHER				41	F8
	94	0	PB_STATE_WAITING_DISTRIB		
PB_LU62TKN	98			41	F5
PB_LU62TKN_FMT			PB_STATE_WAITING_IO		
	94			41	FF
PB_MAX_LU62TKN_LEN			PB_STATE_WAITING_LATCH		
	94	24		41	F7
PB_MIRROR_PTR			PB_STATE_WAITING_LOCK		
	14			41	FE
PB_MIRROR_TKN			PB_STATE_WAITING_MISC		
	14			41	FD
PB_MONENV_INFO			PB_STATE_WAITING_OTHER_PRODUCT		
	44			41	FC
PB_NEW_LENGTH			PB_STATE_WAITING_REG_THREAD		
	6			41	E2
PB_OWNER_DATA			PB_STATE_WAITING_REG_TO_WRKTB		
	20			41	E3
PB_OWNER_TKN	24		PB_STATE_WAITING_SESS_LOCALMVS		
PB_PARENT_HOME_ASID				41	F9
	4A		PB_STATE_WAITING_SESS_NETWORK		
PB_PARENT_MIRROR_PTR				41	FB
	4C		PB_STATE_WAITING_SESS_SYSPLEX		
PB_PARENT_MIRROR_TKN				41	FA
	4C		PB_STATE_WAITING_SSL_THREAD		
PB_PARENT_MONPTR				41	E1
	48		PB_STATE_WAITING_TIMER		
PB_PARENT_MONTKN				41	F6
	48		PB_STATE_WAITING_TYPE1		
PB_PARENT_MONTKN_HIBIT				41	D1
	48	0	PB_STATE_WAITING_TYPE10		
PB_RELATE	42	1		41	DA
PB_REPORT_ONLY			PB_STATE_WAITING_TYPE11		
	5	80		41	DB
PB_RSVD00BC	BC		PB_STATE_WAITING_TYPE12		
PB_RSVD0018	18			41	DC
PB_RSVD0040	40		PB_STATE_WAITING_TYPE13		
PB_RSVD0045	45			41	DD
PB_RSVD0078	78		PB_STATE_WAITING_TYPE14		
PB_RSVD0091	91			41	DE
PB_RSVD0095	95		PB_STATE_WAITING_TYPE15		
PB_RSVD01B4	1B4			41	DF

IWMPB Cross Reference

Name	Hex Offset	Hex Value
PB_STATE_WAITING_TYPE2	41	D2
PB_STATE_WAITING_TYPE3	41	D3
PB_STATE_WAITING_TYPE4	41	D4
PB_STATE_WAITING_TYPE5	41	D5
PB_STATE_WAITING_TYPE6	41	D6
PB_STATE_WAITING_TYPE7	41	D7
PB_STATE_WAITING_TYPE8	41	D8
PB_STATE_WAITING_TYPE9	41	D9
PB_SUBSYS_TYPE	8	
PB_SUBSYSNM	C	
PB_SWITCH_INFO	43	
PB_SWITCH_LOCALMVS	43	1
PB_SWITCH_NETWORK	43	3
PB_SWITCH_SYSPLEX	43	2
PB_TRANS_TTOKEN	D8	
PB_TRXCLASS	70	
PB_TRXNAME	68	
PB_USERID	60	
PB_VERSION	4	
PB_VERSION1	4	1
PB_VERSION2	4	2
PB_VERSION3	4	3
PB_VERSION4	4	4
PB_VERSION5	4	5
PB_VERSION6	4	6
PB_VERSION7	4	7
PB_VERSION8	4	8
PB_WORK_ATTRIBUTES	60	
PB_WORKDEF	42	
PBX	1D8	
PBX_DEP_MIRROR_PTR	1F8	
PBX_DEP_MIRROR_TKN	1F8	
PBX_DEP_MONPTR	1D8	
PBX_DEP_MONTKN	1D8	
PBX_END	200	
PBX_MIRROR_PTR	1E8	
PBX_MIRROR_TKN	1E8	
PBX_PARENT_MIRROR_PTR	1F0	
PBX_PARENT_MIRROR_TKN	1F0	
PBX_PARENT_MONPTR	1E0	
PBX_PARENT_MONTKN	1E0	

IWMRENF1 Information

IWMRENF1 Programming Interface information

Programming Interface information

IWMRENF1

End of Programming Interface information

IWMRENF1 Heading Information • IWMRENF1 Cross Reference

IWMRENF1 Heading Information

Common Name: ENF signal 41 qualifiers
Macro ID: IWMRENF1
DSECT Name: WLMENF1
Owning Component: WLM (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: 4 bytes
Created by: Caller
Pointed to by: N/A
Serialization: None
Function: Contains qualifiers for ENF signal 41

IWMRENF1 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WLMENF1	ENF signal 41 qualifiers
0	(0)	BITSTRING	1	WLME1	Byte 1
1	(1)	BITSTRING	1	WLME2	Byte 2
2	(2)	BITSTRING	1	WLME3	Byte 3
3	(3)	BITSTRING	1	WLME4	Byte 4
		.... ....		WLMENF11	"X'80000000" VARY WLM, POLICY= command issued in goal mode
		.... ....		WLMENF12	"X'40000000" VARY WLM, POLICY= command completed in goal mode
		.... ....		WLMENF13	"X'20000000" VARY WLM, POLICY= command failed in goal mode
3	(3)	BITSTRING	0	WLMENF21	"X'00800000" VARY WLM, POLICY= command issued in compatibility mode
3	(3)	BITSTRING	0	WLMENF22	"X'00400000" VARY WLM, POLICY= command completed in compatibility mode
3	(3)	BITSTRING	0	WLMENF23	"X'00200000" VARY WLM, POLICY= command failed in compatibility mode
3	(3)	BITSTRING	0	WLMENF31	"X'00080000" Workload Activity reporting failed and has begun recovery
3	(3)	BITSTRING	0	WLMENF32	"X'00040000" Workload Activity reporting recovery was successful
3	(3)	BITSTRING	0	WLMENF33	"X'00020000" Workload Activity reporting recovery was not successful
		1...		WLMENF41	"X'00000080" Install of new service definition was successful

IWMRENF1 Cross Reference

Name	Hex Offset	Hex Value
WLMENF1	0	
WLMENF11	3	0
WLMENF12	3	0
WLMENF13	3	0
WLMENF21	3	800000
WLMENF22	3	400000
WLMENF23	3	200000
WLMENF31	3	80000
WLMENF32	3	40000
WLMENF33	3	20000
WLMENF41	3	80
WLME1	0	
WLME2	1	
WLME3	2	
WLME4	3	

IWMRENF2 Information

IWMRENF2 Programming Interface information

Programming Interface information

IWMRENF2

End of Programming Interface information

IWMREN2 Heading Information • IWMREN2 Map

IWMREN2 Heading Information

Common Name: ENF signal 56 parameter list
Macro ID: IWMREN2
DSECT Name: WLMENF56
Owning Component: WLM (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Key: 0
 Residency: Above 16M line, in the private storage of the address space in which the listen exit receives control
Size: See assembly listing
Created by: WLM
Pointed to by: First word of the parameter list passed to the listen exit
Serialization: None
Function: Maps the parameter list passed to ENF listen exits that are listening for event code 56.
 Qualifiers:
 - WLMENF56_Qual_Reset:
 A job has been successfully reset through the RESET operator command or via the IWMRESET-service.
 - WLMENF56_Qual_EnclaveReset:
 An enclave has been successfully reset via the IWMERES-service.

IWMREN2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WLMENF56	ENF event 56 parameters
0	(0)	BITSTRING	4	WLMENF56_QUAL	Qualifier code - see below
4	(4)	CHARACTER	8	WLMENF56_JOBNAME	Name of job that was reset. Blank, in case of enclave reset qualifier code.
12	(C)	CHARACTER	8	WLMENF56_JOBID	JES job id of the job that was reset. Contains blanks if the job is not running under JES. Available with JES2 4.1.0, JES3 4.2.1, and later releases. Blank, in case of enclave reset qualifier code.
20	(14)	SIGNED	4	WLMENF56_ENTRY_TIME	Entry time in hundredths of a second since midnight. For a job, this is the program entry time or zero, if the job is not running under JES. Available with JES2 4.1.0, JES3 4.2.1, and later releases. For an enclave, this is the time the enclave was created.
24	(18)	CHARACTER	4	WLMENF56_ENTRY_DATE	Entry date in the form 0cyydddF. For a job, this is the program entry data or zero, if the job is not running under JES. Available with JES2 4.1.0, JES3 4.2.1, and later releases. For an enclave this is the date the enclave was created.
28	(1C)	CHARACTER	8	WLMENF56_OPERATOR	Operator ID that reset the job or enclave, if available
36	(24)	BITSTRING	1	WLMENF56_FLAGS (0)	Indicators
		1...		WLMENF56_SRVCLASS	"X'80" The job's service class was reset
		.1..		WLMENF56_PERFORM	"X'40" The job's performance group was reset
		..1.		WLMENF56 QUIESCE	"X'20" The job was quiesced
		...1		WLMENF56_RESUME	"X'10" The job was resumed
		.... 1...		WLMENF56_ENCLAVESRVCLASS	"X'08" The enclave service class was reset
		.... .1..		WLMENF56_ENCLAVEQUIESCE	"X'04" The enclave was quiesced
		.... ..1.		WLMENF56_ENCLAVERESUME	"X'02" The enclave was resumed
37	(25)	BITSTRING	1	WLMENF56_FLAGS2 (0)	Additional characteristics
		1...		WLMENF56_INDEPENDENTENCLAVE	"X'80" On = Original independent enclave
38	(26)	BITSTRING	1	WLMENF56_VERSION	Version. Zero represents initial version. Current version='01'x
39	(27)	CHARACTER	1	WLMENF56_RSV	Reserved for future use
40	(28)	CHARACTER	8	WLMENF56_OLDSRV	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	CHARACTER	8	WLMENF56_NEWSRV	Service class name that was associated with the job or the enclave before it was reset. Contains blanks if the system is in compatibility mode.
56	(38)	SIGNED	2	WLMENF56_OLDPGN	Service class that was assigned to the job or the enclave. Contains blanks if the system is in compatibility mode.
58	(3A)	SIGNED	2	WLMENF56_NEWPGN	Performance group that was associated with the job before it was reset. Contains zero if the system is in goal mode or in case of enclave reset qualifier code.
60	(3C)	BITSTRING	8	WLMENF56_STOKEN	Performance group that was assigned to the job. Contains zero if the system is in goal mode or in case of enclave reset qualifier code.
68	(44)	CHARACTER	8	WLMENF56_ENCLAVETOKEN	STOKEN of the address space in which the job is running. Zero, in case of enclave reset qualifier code.
76	(4C)	CHARACTER	8	WLMENF56_ENCLAVEOWNER	Enclave token. Zero, in case of job reset qualifier code.
					Name of the address space that owns the enclave. Blank, in case of job reset qualifier code.

Comment

Version numbers

End of Comment

76	(4C)	X'1'	0	WLMENF56_CURRENTVERSION	"1" Supports enclave reset
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Comment

Qualifier values

End of Comment

			WLMENF56_QUAL_RESET	"X'80000000" A job was reset using the RESET system command or IWMRESET macro
		....		WLMENF56_QUAL_ENCLAVERESET	"X'40000000" An enclave was reset using the IWMERES-macro
76	(4C)	X'54'	0	WLMENF56_LEN	"*-WLMENF56"

IWMREN2 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WLMENF56	0		WLMENF56_NEWPGN		
WLMENF56_CURRENTVERSION	4C	1	WLMENF56_NEWSRV	3A	
WLMENF56_ENCLAVEOWNER	4C		WLMENF56_OLDPGN	30	
WLMENF56_ENCLAVEQUIESCE	24	4	WLMENF56_OLDSRV	38	
WLMENF56_ENCLAVERESUME	24	2		28	
WLMENF56_ENCLAVESRVCLASS	24	8	WLMENF56_OPERATOR	1C	
WLMENF56_ENCLAVETOKEN	44		WLMENF56_PERFORM	24	40
WLMENF56_ENTRY_DATE	18		WLMENF56_QUAL	0	
WLMENF56_ENTRY_TIME	14		WLMENF56_QUAL_ENCLAVERESET	4C	0
WLMENF56_FLAGS	24		WLMENF56_QUAL_RESET	4C	0
WLMENF56_FLAGS2	25		WLMENF56 QUIESCE	24	20
WLMENF56_INDEPENDENTENCLAVE	25	80	WLMENF56_RESUME	24	10
WLMENF56_JOBID	C		WLMENF56_RSV	27	
WLMENF56_JOBNAME	4		WLMENF56_SRVCLASS	24	80
WLMENF56_LEN	4C	54	WLMENF56_STOKEN	3C	
			WLMENF56_VERSION		

IWMREN2 Cross Reference

Name	Hex Offset	Hex Value
	26	

IWMSEVRD Information

IWMSEVRD Programming Interface information

Programming Interface information

IWMSEVRD

End of Programming Interface information

IWMSERVD Heading Information • IWMSERVD Map

IWMSERVD Heading Information

Common Name: WLM Service Definition mapping
Macro ID: IWMSERVD
DSECT Name: SERVDHDR
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: 'SERVD '
 Offset: 0
 Length: CHAR(6)
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: IWMDINST, IWMDEXTR parameter lists
Serialization: None
Function: Contains service definition information for use in the IWMDINST and IWMDEXTR services

IWMSERVD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SERVDHDR	
0	(0)	CHARACTER	6	SERVD_EYECATCHER	Eyecatcher is SERVD
6	(6)	BITSTRING	1	SERVD_VERSION	WLM version number
7	(7)	BITSTRING	1		Reserved
8	(8)	SIGNED	2	SERVD_HDR_SIZE	Size in bytes of header section
10	(A)	SIGNED	2		Reserved
12	(C)	SIGNED	4	SERVD_SIZE	Size in bytes of the whole SERVD structure - including the header and each of SVDEF, SVDCR, SVNPA, SVAEA, SVSEA
16	(10)	SIGNED	4	SERVD_SVDEF_OFF	Offset of SVDEF
20	(14)	SIGNED	4	SERVD_SVDCR_OFF	Offset of SVDCR
24	(18)	SIGNED	4	SERVD_SVNPA_OFF	Offset of SVNPA
28	(1C)	SIGNED	4	SERVD_SVAEA_OFF	Offset of SVAEA
32	(20)	SIGNED	4	SERVD_SVSEA_OFF	Offset of SVSEA
36	(24)	CHARACTER	28		Stay on doubleword boundary
Comment					
Constants					
End of Comment					
36	(24)	X'1'	0	SERVD_VER520	"1" SERVD version indicating MVS SP 5.2.0
36	(24)	X'3'	0	SERVD_VER530	"3" SERVD version indicating OS/390 V1R1
36	(24)	X'4'	0	SERVD_VER604	"4" SERVD version indicating OS/390 V1R4
36	(24)	X'4'	0	SERVD_CURRENT_VER	"4" Current WLM version
36	(24)	X'40'	0	SERVDHDR_LEN	**-SERVDHDR"

IWMSEVRD Cross Reference

Name	Hex Offset	Hex Value
SERVD_CURRENT_VER	24	4
SERVD_EYECATCHER	0	
SERVD_HDR_SIZE	8	
SERVD_SIZE	C	
SERVD_SVAEA_OFF	1C	
SERVD_SVDCR_OFF	14	
SERVD_SVDEF_OFF	10	
SERVD_SVNPA_OFF	18	
SERVD_SVSEA_OFF	20	
SERVD_VERSION	6	
SERVD_VER520	24	1
SERVD_VER530	24	3
SERVD_VER604	24	4
SERVDHDR	0	
SERVDHDR_LEN	24	40

IWMSET Information

IWMSET Programming Interface information

Programming Interface information

IWMSET

The following fields are **NOT** programming interface information:

- SET_RES_FLAG1
- SET_SES_FLAG2

End of Programming Interface information

IWMSET Heading Information • IWMSET Map

IWMSET Heading Information

Common Name: WLM Scheduling Environments Table
Macro ID: IWMSET
DSECT Name: SET SETSE SETSR SETRE SETSYS SETSYH SETSES SETRES
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: IWMSET
 Offset: 0
 Length: 8
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Anywhere
Size: Determined at run time
Created by: Caller of the IWMSEQR service
Pointed to by: ANSAREA parameter of the IWMSEQR service
Serialization: None
Function: Describes scheduling environments, resources, and their status on each system in a sysplex.

IWMSET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETHDR	
0	(0)	CHARACTER	8	SET_HDR_EYECATCHER	IWMSET.29: Eye catcher
8	(8)	BITSTRING	1	SET_HDR_WLM_VERSION_NUMBER	IWMSET.41: Version number of SET
9	(9)	BITSTRING	1	SET_HDR_RESERVED1	IWMSET.1180: Reserved
10	(A)	SIGNED	2	SET_HDR_SIZE_OF_HEADER	IWMSET.75: Size of this header section
12	(C)	SIGNED	4	SET_HDR_SIZE_OF_WHOLE_SET	IWMSET.63: Size of the whole scheduling environment table, not including any system status areas
16	(10)	BITSTRING	8	SET_HDR_TOD_VALUE	IWMSET.67: Time/date (STCK format) that the service definition was installed. The value matches field SVPOLTDI in IWMSVPOL.
24	(18)	SIGNED	4	SET_HDR_SIZE_OF_A_SYS_STATUS_AREA	IWMSET.54: Size of each system status area
28	(1C)	SIGNED	4	SET_HDR_RESERVED	IWMSET.176: Reserved
60	(3C)	CHARACTER	40	SET_HDR_OFFSETS (0)	IWMSET.61: SET section offsets area
60	(3C)	CHARACTER	8	SET_HDR_SE_SECTION (0)	IWMSET.48: Scheduling environment section
60	(3C)	SIGNED	4	SET_OFFSET_SE	IWMSET.38: Offset of scheduling environment section (SETSE)
64	(40)	SIGNED	2	SET_NUMBER_SE	IWMSET.892: Number of scheduling environment entries
66	(42)	SIGNED	2	SET_SIZE_SE	IWMSET.898: Size of a scheduling environment entry
68	(44)	CHARACTER	8	SET_HDR_SR_SECTION (0)	IWMSET.904: Scheduling environment- /resource relationships section
68	(44)	SIGNED	4	SET_OFFSET_SR	IWMSET.907: Offset of scheduling environment- /resource relationship section (SETSR)
72	(48)	SIGNED	2	SET_NUMBER_SR	IWMSET.913: Number of scheduling environment- /resource relationship entries
74	(4A)	SIGNED	2	SET_SIZE_SR	IWMSET.919: Size of a scheduling environment- /resource relationship entry
76	(4C)	CHARACTER	8	SET_HDR_RE_SECTION (0)	IWMSET.925: Resource section
76	(4C)	SIGNED	4	SET_OFFSET_RE	IWMSET.928: Offset of resource section (SETRE)
80	(50)	SIGNED	2	SET_NUMBER_RE	IWMSET.934: Number of resource entries
82	(52)	SIGNED	2	SET_SIZE_RE	IWMSET.940: Size of a resource entry
84	(54)	CHARACTER	8	SET_HDR_SYS_SECTION (0)	IWMSET.947: System section
84	(54)	SIGNED	4	SET_OFFSET_SYS	IWMSET.950: Offset of system section (SETSYS)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
88	(58)	SIGNED	2	SET_NUMBER_SYS	
90	(5A)	SIGNED	2	SET_SIZE_SYS	IWMSET.956: Number of system entries
92	(5C)	CHARACTER	8	SET_HDR_RESERVED_SECTION (0)	IWMSET.962: Size of a system entry
92	(5C)	SIGNED	4	SET_OFFSET_RESERVED	IWMSET.969: Reserved slots
96	(60)	SIGNED	2	SET_NUMBER_RESERVED	IWMSET.972: Reserved offset
98	(62)	SIGNED	2	SET_SIZE_RESERVED	IWMSET.978: Reserved number
98	(62)	X'64'	0	SETHDR_LEN	IWMSET.984: Reserved size "-SETHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETSE	
0	(0)	CHARACTER	56	SET_SE_DEFINITION (0)	IWMSET.332: SE definition
0	(0)	CHARACTER	16	SET_SE_SCHENV_NAME	IWMSET.336: Scheduling environment name
16	(10)	CHARACTER	32	SET_SE_DESCRIPTION	IWMSET.288: Scheduling environment description
48	(30)	CHARACTER	8	SET_SE_RESERVED_DEFINITION	IWMSET.354: Reserved
56	(38)	CHARACTER	16	SET_SE_OFFSETS (0)	IWMSET.365: SE offsets
56	(38)	SIGNED	4	SET_SE_SR_OFFSET	IWMSET.372: Offset of the first scheduling environment- /resource relationship entry for this scheduling environment from the beginning of the SET
60	(3C)	SIGNED	4	SET_SE_SR_COUNT	IWMSET.378: Number of scheduling environment- /resource relationship entries for this scheduling environment
64	(40)	SIGNED	4	SET_SE_OFFSETS_RESERVED	IWMSET.1143: SE reserved offsets
72	(48)	X'48'	0	SETSE_LEN	"-SETSE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETSR	
0	(0)	CHARACTER	20	SET_SR_DEFINITION (0)	IWMSET.401: Definition section
0	(0)	SIGNED	4	SET_SR_SE_INDEX	IWMSET.807: Index of the scheduling environment entry within the SET SE section
4	(4)	SIGNED	4	SET_SR_SE_OFFSET	IWMSET.396: Offset of the scheduling environment entry from the beginning of the SET
8	(8)	BITSTRING	1	SET_SR_FLAG1 (0)	IWMSET.313: Flags
		1... ..		SET_SR_LAST_ONE_FOR_SE	"X'80" IWMSET.319: Indicates this is the last SR entry for a scheduling environment
9	(9)	BITSTRING	1	SET_SR_RESOURCE_STATE	IWMSET.840: Required state of the resource for the scheduling environment to be available
10	(A)	CHARACTER	1	SET_SR_RESERVED_DEFINITION1	IWMSET.408: SR section reserved
12	(C)	CHARACTER	8	SET_SR_RESERVED_DEFINITION2	IWMSET.1240: Reserved
20	(14)	CHARACTER	16	SET_SR_OFFSETS (0)	IWMSET.427: SR offsets section
20	(14)	SIGNED	4	SET_SR_RE_INDEX	IWMSET.885: Index of the resource entry within the SETRE section
24	(18)	SIGNED	4	SET_SR_RE_OFFSET	IWMSET.435: Offset of the resource entry from the beginning of the SET

IWMSET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	SIGNED	4	SET_SR_OFFSETS_RESERVED	
36	(24)	X'24'	0	SETSR_LEN	IWMSET.442: SR reserved offsets "-SETSR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETRE	
0	(0)	CHARACTER	56	SET_RE_DEFINITION (0)	IWMSET.476: RE definition
0	(0)	CHARACTER	16	SET_RE_RESOURCE_NAME	IWMSET.484: Resource name
16	(10)	CHARACTER	32	SET_RE_RESOURCE_DESCRIPTION	IWMSET.490: Resource description
48	(30)	CHARACTER	8	SET_RE_RESERVED_DEFINITION	IWMSET.502: Reserved
48	(30)	X'38'	0	SETRE_LEN	"-SETRE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETSYS	
0	(0)	CHARACTER	12	SET_SYS_DEFINITION (0)	IWMSET.536: SYS definition
0	(0)	CHARACTER	8	SET_SYS_NAME	IWMSET.544: System name. If this field contains binary zeroes, this is an unused entry that contains no status information.
8	(8)	CHARACTER	4	SET_SYS_RESERVED_DEFINITION	IWMSET.550: Reserved
12	(C)	SIGNED	4	SET_SYS_OFFSET_SYH	IWMSET.568: Offset to the system status header (SETSYH) for this system, if there is a system name in the SET_SYS_NAME field.
16	(10)	ADDRESS	4	SET_SYS_STATUS_PTR	IWMSET.1230: Address of the system status header (SETSYH) for this system, if there is a system name in the SET_SYS_NAME field
16	(10)	X'14'	0	SETSYS_LEN	"-SETSYS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETSYH	
0	(0)	CHARACTER	8	SET_SYS_HDR_EYECATCHER	IWMSET.846: Eye catcher
8	(8)	CHARACTER	32	SET_SYS_HDR_CONTROL (0)	IWMSET.611: System status header control information
8	(8)	BITSTRING	8	SET_SYS_HDR_TOD_VALUE	IWMSET.234: Time stamp of when the service number definition was installed. This is a copy of the SET_HDR_TOD_VALUE
16	(10)	BITSTRING	8	SET_SYS_HDR_MODIFIED	IWMSET.1165: A time stamp for the most recent modification to status information in a SETSES or SETRES entry
24	(18)	BITSTRING	1	SET_SYS_HDR_WLM_VERSION_NUMBER	IWMSET.318: Version number of system status header
25	(19)	BITSTRING	1	SET_SYS_HDR_CONTROL_RESERVED	IWMSET.1171: Reserved
26	(1A)	SIGNED	2	SET_SYS_HDR_SIZE_OF_HEADER	IWMSET.242: Size of the system status header
28	(1C)	SIGNED	4	SET_SYS_HDR_WHOLE_SIZE	IWMSET.292: Size of the system status area including this header, all SETSES entries and all SETRES entries
32	(20)	SIGNED	4	SET_SYS_HDR_CONTROL_RESERVED2	IWMSET.619: Reserved
40	(28)	CHARACTER	24	SET_SYS_HDR_OFFSETS_AREA (0)	IWMSET.629: System status header offsets area
40	(28)	CHARACTER	8	SET_SYS_HDR_SES_SECTION (0)	IWMSET.637: Scheduling environment status section
40	(28)	SIGNED	4	SET_OFFSET_SES	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
44	(2C)	SIGNED	2	SET_NUMBER_SES	IWMSET.640: Offset of the scheduling environment status section (SETSES)
46	(2E)	SIGNED	2	SET_SIZE_SES	IWMSET.646: Number of scheduling environment status entries
48	(30)	CHARACTER	8	SET_SYS_HDR_RES_SECTION (0)	IWMSET.652: Size of a scheduling environment status entry
48	(30)	SIGNED	4	SET_OFFSET_RES	IWMSET.658: Resource status section
52	(34)	SIGNED	2	SET_NUMBER_RES	IWMSET.661: Offset of the resource status entries (SETRES)
54	(36)	SIGNED	2	SET_SIZE_RES	IWMSET.667: Number of resource status entries
56	(38)	CHARACTER	8	SET_SYS_HDR_RESERVED_SECTION (0)	IWMSET.673: Size of a resource status entry
56	(38)	SIGNED	4	SET_OFFSET_RESERVED1	IWMSET.680: Reserved slots
60	(3C)	SIGNED	2	SET_NUMBER_RESERVED1	IWMSET.683: Reserved offset
62	(3E)	SIGNED	2	SET_SIZE_RESERVED1	IWMSET.689: Reserved number
64	(40)	SIGNED	4	SET_SYS_HDR_RESERVED	IWMSET.695: Reserved size
80	(50)	X'50'	0	SETSYH_LEN	IWMSET.1044: Reserved "-SETSYH"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETSES	
0	(0)	CHARACTER	4	SET_SES_DEFINITION (0)	IWMSET.745: SES definition
0	(0)	SIGNED	4	SET_SES_SE_INDEX	IWMSET.753: Index of the scheduling environment entry within the SETSE section of the definition area. SETSES entries correspond positionally to SETSE entries (for example the third SETSES entry corresponds to the third SETSE entry). The index is here primarily as a debugging aid, such as to detect an overlay.
4	(4)	CHARACTER	12	SET_SES_STATUS (0)	IWMSET.1241: SES status
4	(4)	BITSTRING	1	SET_SES_FLAG1 (0)	IWMSET.759: Flag 1
		1... ..		SET_SES_AVAILABLE	"X'80" IWMSET.765: Indicates the scheduling environment is available
5	(5)	BITSTRING	1	SET_SES_FLAG2 (0)	IWMSET.350: Flag 2
		1... ..		SET_SES_REQUIRES_ENF	"X'80" IWMSET.1270: The scheduling environment has had its status changed (either SET_SES_AVAILABLE was set or reset) and we must notify any users interested in scheduling environments via ENF 57
		.1... ..		SET_SES_REQUIRES_REC_ENF	"X'40" IWMSET.730: The scheduling environment has had its status changed. Similar to SET_SES_REQ-UIRES_ENF but set in WLM recovery paths.
6	(6)	BITSTRING	2	SET_SES_RESERVED	IWMSET.771: Reserved
8	(8)	CHARACTER	8	SET_SES_RESERVED_DEFINITION	IWMSET.780: Reserved
8	(8)	X'10'	0	SETSES_LEN	"-SETSES"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SETRES	
0	(0)	CHARACTER	4	SET_RES_DEFINITION (0)	IWMSET.815: RES definition
0	(0)	SIGNED	4	SET_RES_RE_INDEX	

IWMSET Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	CHARACTER	12	SET_RES_STATUS (0)	IWMSET.823: Index of the resource entry within the SETRE section of the definition area. SETRES entries correspond positionally to SETRE entries (for example the fourth SETRES entry corresponds to the fourth SETRE entry). The index is here primarily as a debugging aid, such as to detect an overlay.
4	(4)	BITSTRING	1	SET_RES_STATE	IWMSET.415: RES status
5	(5)	BITSTRING	1	SET_RES_FLAG1 (0)	IWMSET.829: Current state of the resource
		1... ..		SET_RES_MODIFICATION_IN_PROGRESS	IWMSET.853: Flag 1
6	(6)	BITSTRING	2	SET_RES_RESERVED	"X'80" IWMSET.1351: Indicates that a F WLM,RESOURCE or IWMSESET request is in progress
8	(8)	CHARACTER	8	SET_RES_RESERVED_DEFINITION	IWMSET.1005: Reserved
					IWMSET.862: Reserved

Comment

IWMSET.102: SET eyecatcher - 'IWMSET'

End of Comment

8 (8) X'4' 0 IWMSET_LEVEL004

"4"

Comment

IWMSET.120: WLM JBB6604 version

End of Comment

8 (8) X'4' 0 IWMSET_VER604

"4"

Comment

IWMSET.129: Current version level used when checking functionality within WLM product

End of Comment

8 (8) X'4' 0 IWMSET_CURRENT_VER

"4"

Comment

IWMSET.601: SET_SR_RESOURCE_STATE that indicates resource is desired to be ON

End of Comment

8 (8) X'4' 0 SET_SR_ON

"4"

Comment

IWMSET.1394: SET_RES_STATE that indicates resource is ON

End of Comment

8 (8) X'4' 0 SET_RES_ON

"4"

Comment

IWMSET.1371: SET_SR_RESOURCE_STATE that indicates resource is desired to be OFF

End of Comment

8 (8) X'8' 0 SET_SR_OFF

"8"

Comment

IWMSET.1403: SET_RES_STATE that indicates resource is OFF

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	X'8'	0	SET_RES_OFF	"8"
Comment					
IWMSET.1390: SET_SR_RESOURCE_STATE that is reserved					
End of Comment					
8	(8)	X'C'	0	SET_SR_RESERVED	"12"
Comment					
IWMSET.1357: SET_RES_STATE that indicates resource is RESET					
End of Comment					
8	(8)	X'C'	0	SET_RES_RESET	"12"
8	(8)	X'10'	0	SETRES_LEN	"*-SETRES"

IWMSET Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IWMSET_CURRENT_VER	8	4	SET_OFFSET_RE	4C	
IWMSET_LEVEL004	8	4	SET_OFFSET_RES	30	
IWMSET_VER604	8	4	SET_OFFSET_RESERVED	5C	
SET_HDR_EYECATCHER	0		SET_OFFSET_RESERVED1	38	
SET_HDR_OFFSETS	3C		SET_OFFSET_SE	3C	
SET_HDR_RE_SECTION	4C		SET_OFFSET_SES	28	
SET_HDR_RESERVED	1C		SET_OFFSET_SR	44	
SET_HDR_RESERVED_SECTION	5C		SET_OFFSET_SYS	54	
SET_HDR_RESERVED1	9		SET_RE_DEFINITION	0	
SET_HDR_SE_SECTION	3C		SET_RE_RESERVED_DEFINITION	30	
SET_HDR_SIZE_OF_A_SYS_STATUS_AREA	18		SET_RE_RESOURCE_DESCRIPTION	10	
SET_HDR_SIZE_OF_HEADER	A		SET_RE_RESOURCE_NAME	0	
SET_HDR_SIZE_OF_WHOLE_SET	C		SET_RES_DEFINITION	0	
SET_HDR_SR_SECTION	44		SET_RES_FLAG1	5	
SET_HDR_SYS_SECTION	54		SET_RES_MODIFICATION_IN_PROGRESS	5	80
SET_HDR_TOD_VALUE	10		SET_RES_OFF	8	8
SET_HDR_WLM_VERSION_NUMBER	8		SET_RES_ON	8	4
SET_NUMBER_RE	50		SET_RES_RE_INDEX	0	
SET_NUMBER_RES	34		SET_RES_RESERVED	6	
SET_NUMBER_RESERVED	60		SET_RES_RESERVED_DEFINITION	8	
SET_NUMBER_RESERVED1	3C		SET_RES_RESET	8	C
SET_NUMBER_SE	40		SET_RES_STATE	4	
SET_NUMBER_SES	2C		SET_RES_STATUS	4	
SET_NUMBER_SR	48		SET_SE_DEFINITION	0	
SET_NUMBER_SYS	58		SET_SE_DESCRIPTION	10	
			SET_SE_OFFSETS	38	

IWMSET Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SET_SE_OFFSETS_RESERVED	40		SET_SYS_HDR_EYECATCHER	20	
SET_SE_RESERVED_DEFINITION	30		SET_SYS_HDR_MODIFIED	0	
SET_SE_SCHENV_NAME	0		SET_SYS_HDR_OFFSETS_AREA	10	
SET_SE_SR_COUNT	3C		SET_SYS_HDR_OFFSETS_SECTION	28	
SET_SE_SR_OFFSET	38		SET_SYS_HDR_RESERVED	30	
SET_SES_AVAILABLE	4	80	SET_SYS_HDR_RESERVED_SECTION	40	
SET_SES_DEFINITION	0		SET_SYS_HDR_RESERVED_SECTION	38	
SET_SES_FLAG1	4		SET_SYS_HDR_SES_SECTION	28	
SET_SES_FLAG2	5		SET_SYS_HDR_SIZE_OF_HEADER	1A	
SET_SES_REQUIRES_ENF	5	80	SET_SYS_HDR_TOD_VALUE	8	
SET_SES_REQUIRES_REC_ENF	5	40	SET_SYS_HDR_WHOLE_SIZE	1C	
SET_SES_RESERVED	6		SET_SYS_HDR_WLM_VERSION_NUMBER	18	
SET_SES_RESERVED_DEFINITION	8		SET_SYS_NAME	0	
SET_SES_SE_INDEX	0		SET_SYS_OFFSET_SYH	C	
SET_SES_STATUS	4		SET_SYS_RESERVED_DEFINITION	8	
SET_SIZE_RE	52		SET_SYS_STATUS_PTR	10	
SET_SIZE_RES	36		SETHDR	0	
SET_SIZE_RESERVED	62		SETHDR_LEN	62	64
SET_SIZE_RESERVED1	3E		SETRE	0	
SET_SIZE_SE	42		SETRE_LEN	30	38
SET_SIZE_SES	2E		SETRES	0	
SET_SIZE_SR	4A		SETRES_LEN	8	10
SET_SIZE_SYS	5A		SETSE	0	
SET_SR_DEFINITION	0		SETSE_LEN	48	48
SET_SR_FLAG1	8		SETSES	0	
SET_SR_LAST_ONE_FOR_SE	8	80	SETSES_LEN	8	10
SET_SR_OFF	8	8	SETSR	0	
SET_SR_OFFSETS	14		SETSR_LEN	24	24
SET_SR_OFFSETS_RESERVED	1C		SETSYH	0	
SET_SR_ON	8	4	SETSYH_LEN	50	50
SET_SR_RE_INDEX	14		SETSYS	0	
SET_SR_RE_OFFSET	18		SETSYS_LEN	10	14
SET_SR_RESERVED	8	C			
SET_SR_RESERVED_DEFINITION1	A				
SET_SR_RESERVED_DEFINITION2	C				
SET_SR_RESOURCE_STATE	9				
SET_SR_SE_INDEX	0				
SET_SR_SE_OFFSET	4				
SET_SYS_DEFINITION	0				
SET_SYS_HDR_CONTROL	8				
SET_SYS_HDR_CONTROL_RESERVED	19				
SET_SYS_HDR_CONTROL_RESERVED2					

IWMSVAEA Information

IWMSVAEA Programming Interface information

Programming Interface information

IWMSVAEA

End of Programming Interface information

IWMSVAEA Heading Information • IWMSVAEA Map

IWMSVAEA Heading Information

Common Name: WLM Service Definition Application Environment mapping
Macro ID: IWMSVAEA
DSECT Name: SVAEAHDR SVAEAAE SVAEAEXT
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVAE
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: Offset within SERVD (IWMSERVD) mapping
Serialization: None
Function: Contains service definition application environment information.

IWMSVAEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVAEAHDR	
0	(0)	CHARACTER	4	SVAEA_EYECATCHER	
4	(4)	BITSTRING	1	SVAEA_FUNCTIONALITY_LEVEL	IWMSVAEA.13: Eye catcher for SVAEA - SVAE IWMSVAEA.19: Functionality level of the SVAEA. The functionality level defines the highest level of WLM function that exists in the SVAEA
5	(5)	BITSTRING	1	SVAEA_WLM_VERSION_NUMBER	IWMSVAEA.25: WLM version number
6	(6)	SIGNED	2	SVAEA_SIZE_OF_HEADER	IWMSVAEA.31: Size of header section
8	(8)	SIGNED	4	SVAEA_SIZE_OF_WHOLE_SVAEA	IWMSVAEA.37: Size of the whole application environment section
12	(C)	SIGNED	4	SVAEA_RESERVED1	IWMSVAEA.743: Reserved
16	(10)	CHARACTER	24	SVAEA_OFFSETS_AREA (0)	IWMSVAEA.890: SVAEA section offsets area
16	(10)	SIGNED	4	SVAEA_OFFSET_AE	IWMSVAEA.43: Offset of application environment section
20	(14)	SIGNED	2	SVAEA_NUMBER_AE	IWMSVAEA.49: Number of application environments
22	(16)	SIGNED	2	SVAEA_SIZE_AE	IWMSVAEA.55: Size of an application environment entry
24	(18)	SIGNED	4	SVAEA_OFFSET_RESERVED1	IWMSVAEA.886: Reserved offset
28	(1C)	SIGNED	2	SVAEA_NUMBER_RESERVED1	IWMSVAEA.864: Reserved number
30	(1E)	SIGNED	2	SVAEA_SIZE_RESERVED1	IWMSVAEA.870: Reserved size
32	(20)	SIGNED	4	SVAEA_OFFSET_RESERVED2	IWMSVAEA.660: Reserved offset
36	(24)	SIGNED	2	SVAEA_NUMBER_RESERVED2	IWMSVAEA.658: Reserved number
38	(26)	SIGNED	2	SVAEA_SIZE_RESERVED2	IWMSVAEA.676: Reserved size
40	(28)	CHARACTER	32	SVAEA_EXT_OFFSETS_AREA (0)	IWMSVAEA.199: SVAEA extension offsets area
40	(28)	SIGNED	4	SVAEA_EXT_DATA_OFF	IWMSVAEA.215: Offset of extended data (0 if no extended data exists)
44	(2C)	SIGNED	4	SVAEA_EXT_DATA_LEN	IWMSVAEA.231: Length of extended data
48	(30)	SIGNED	4	SVAEA_EXT_OFF_AE	IWMSVAEA.197: Offset of application environment extension section if number of application environment extensions is nonzero (otherwise this field is ignored)
52	(34)	SIGNED	2	SVAEA_EXT_NUM_AE	IWMSVAEA.203: Number of application environment extension entries
54	(36)	SIGNED	2	SVAEA_EXT_SIZ_AE	IWMSVAEA.209: Size of each application environment extension entry
56	(38)	SIGNED	4	SVAEA_EXT_OFF_RSV1	IWMSVAEA.237: Offset reserved
60	(3C)	SIGNED	2	SVAEA_EXT_NUM_RSV1	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
62	(3E)	SIGNED	2	SVAEA_EXT_SIZ_RSV1	IWMSVAEA.453: Number reserved
64	(40)	SIGNED	4	SVAEA_EXT_OFF_RSV2	IWMSVAEA.491: Size reserved
68	(44)	SIGNED	2	SVAEA_EXT_NUM_RSV2	IWMSVAEA.485: Offset reserved
70	(46)	SIGNED	2	SVAEA_EXT_SIZ_RSV2	IWMSVAEA.497: Number reserved
72	(48)	SIGNED	4	SVAEA_RESERVED2	IWMSVAEA.503: Size reserved
112	(70)	X'70'	0	SVAEAHDR_LEN	IWMSVAEA.681: Reserved "-SVAEAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVAEAAE	
0	(0)	CHARACTER	32	SVAEA_APPLICATION_ENVIRONMENT_NAME	IWMSVAEA.160: Application environment name
32	(20)	CHARACTER	32	SVAEA_DESCRIPTION	IWMSVAEA.166: Description
64	(40)	CHARACTER	4	SVAEA_SUBSYSTEM_TYPE	IWMSVAEA.447: Subsystem type
68	(44)	CHARACTER	8	SVAEA_PROCEDURE_NAME	IWMSVAEA.452: Procedure name
76	(4C)	CHARACTER	115	SVAEA_START_PARMS	IWMSVAEA.460: Start parameters
191	(BF)	CHARACTER	1	SVAEA_RESERVED3	IWMSVAEA.183: Reserved
192	(C0)	BITSTRING	4	SVAEA_WLM_OPTIONS	IWMSVAEA.471: WLM options
		1... ..		SVAEA_SINGLE_SERVER	"X'80" IWMSVAEA.476: Maximum of one server per work manager in this application environment
		.1.. ..		SVAEA_SINGLE_SYSPLEX	"X'40" IWMSVAEA.761: Maximum of one server per sysplex in this application environment
196	(C4)	CHARACTER	8	SVAEA_RESERVED_A	IWMSVAEA.506: Reserved
204	(CC)	CHARACTER	8	SVAEA_RESERVED_B	IWMSVAEA.512: Reserved
212	(D4)	CHARACTER	8	SVAEA_RESERVED_C	IWMSVAEA.188: Reserved
220	(DC)	CHARACTER	8	SVAEA_RESERVED_D	IWMSVAEA.194: Reserved
220	(DC)	X'E4'	0	SVAEAAE_LEN	"*-SVAEAAE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVAEAEXT	
0	(0)	CHARACTER	8	SVAEAVID	IWMSVAEA.542: Vendor/product ID that owns the entry
8	(8)	CHARACTER	32	SVAEAROB	IWMSVAEA.555: Related object name - name of object (for example, application environment name, SVAEA_APPLICATION_ENVIRONMENT_NAME) which this extension entry extends
40	(28)	SIGNED	4	SVAEAEDL	IWMSVAEA.902: Extended data length
44	(2C)	SIGNED	4	SVAEAEDO	IWMSVAEA.423: Extended data offset - offset is from beginning of the extended data whose offset is in SVAEA_EXT_DATA_OFF

Comment					
IWMSVAEA.703: SVAEA identifier					
End of Comment					
44	(2C)	X'E5C1C5'	0	SVAEA_ID	"C'SVAE"

IWMSVAEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IWMSVAEA.712: Functionality level introduced by WLM in SP510. This is set by HBB6603 when no application environments were defined.					
					End of Comment
44	(2C)	X'1'	0	SVAEA_LEVEL001	"1"
					Comment
IWMSVAEA.142: Functionality level introduced by WLM in OS/390 V1R3					
					End of Comment
44	(2C)	X'3'	0	SVAEA_LEVEL003	"3"
					Comment
IWMSVAEA.721: WLM version number for OS/390 V1R3					
					End of Comment
44	(2C)	X'3'	0	SVAEA_VER530	"3"
					Comment
IWMSVAEA.581: Functionality level introduced by WLM in OS/390 V2R4					
					End of Comment
44	(2C)	X'4'	0	SVAEA_LEVEL004	"4"
					Comment
IWMSVAEA.845: WLM version number for OS/390 V2R4					
					End of Comment
44	(2C)	X'4'	0	SVAEA_VER604	"4"
					Comment
IWMSVAEA.96: Functionality level introduced by WLM in OS/390 V2R5					
					End of Comment
44	(2C)	X'5'	0	SVAEA_LEVEL005	"5"
					Comment
IWMSVAEA.107: WLM version number for OS/390 V2R5					
					End of Comment
44	(2C)	X'5'	0	SVAEA_VER605	"5"
					Comment
IWMSVAEA.119: Functionality level introduced by WLM in OS/390 V2R6					
					End of Comment
44	(2C)	X'6'	0	SVAEA_LEVEL006	"6"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IWMSVAEA.123: WLM version number for OS/390 V2R6					
					End of Comment
44	(2C)	X'6'	0	SVAEA_VER606	"6"
					Comment
IWMSVAEA.86: Functionality level introduced by WLM in OS/390 V2R7					
					End of Comment
44	(2C)	X'7'	0	SVAEA_LEVEL007	"7"
					Comment
IWMSVAEA.246: WLM version number for OS/390 V2R7					
					End of Comment
44	(2C)	X'7'	0	SVAEA_VER607	"7"
					Comment
IWMSVAEA.136: Functionality level introduced by WLM in OS/390 V2R7					
					End of Comment
44	(2C)	X'8'	0	SVAEA_LEVEL008	"8"
					Comment
IWMSVAEA.309: WLM version number for OS/390 V2R7					
					End of Comment
44	(2C)	X'8'	0	SVAEA_VER608	"8"
					Comment
IWMSVAEA.428: Reserved functionality level					
					End of Comment
44	(2C)	X'9'	0	SVAEA_LEVEL009	"9"
					Comment
IWMSVAEA.810: Reserved for WLM version number for OS/390 V2R8					
					End of Comment
44	(2C)	X'9'	0	SVAEA_RESERVED_R08	"9"
					Comment
IWMSVAEA.414: Reserved functionality level					
					End of Comment
44	(2C)	X'A'	0	SVAEA_LEVEL010	"10"
					Comment
IWMSVAEA.742: Reserved for WLM version number for OS/390 V2R9					
					End of Comment
44	(2C)	X'A'	0	SVAEA_RESERVED_R09	"10"

IWMSVAEA Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
						Comment
IWMSVAEA.694: Functionality level introduced by WLM in OS/390 V2R10						End of Comment
44	(2C)	X'B'	0	SVAEA_LEVEL011	"11"	
						Comment
IWMSVAEA.373: WLM version number for OS/390 V2R10						End of Comment
44	(2C)	X'B'	0	SVAEA_VER703	"11"	
						Comment
IWMSVAEA.68: Reserved functionality level						End of Comment
44	(2C)	X'C'	0	SVAEA_LEVEL012	"12"	
						Comment
IWMSVAEA.813: Reserved for WLM version number for OS/390 V2R11						End of Comment
44	(2C)	X'C'	0	SVAEA_RESERVED_R11	"12"	
						Comment
IWMSVAEA.616: Functionality level introduced by WLM in OS/390 V2R11						End of Comment
44	(2C)	X'D'	0	SVAEA_LEVEL013	"13"	
						Comment
IWMSVAEA.594: WLM version number for OS/390 V2R12						End of Comment
44	(2C)	X'D'	0	SVAEA_VER705	"13"	
						Comment
IWMSVAEA.415: Reserved functionality level						End of Comment
44	(2C)	X'E'	0	SVAEA_LEVEL014	"14"	
						Comment
IWMSVAEA.906: Reserved for WLM version number for z/OS V1R3						End of Comment
44	(2C)	X'E'	0	SVAEA_RESERVED_R13	"14"	
						Comment
IWMSVAEA.915: Reserved functionality level						End of Comment
44	(2C)	X'F'	0	SVAEA_LEVEL015	"15"	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IWMSVAEA.924: Reserved for WLM version number for z/OS V1R4					
					End of Comment
44	(2C)	X'F'	0	SVAEA_RESERVED_R14	"15"
					Comment
IWMSVAEA.933: Reserved functionality level					
					End of Comment
44	(2C)	X'10'	0	SVAEA_LEVEL016	"16"
					Comment
IWMSVAEA.942: Reserved for WLM version number for z/OS V1R5					
					End of Comment
44	(2C)	X'10'	0	SVAEA_RESERVED_R15	"16"
					Comment
IWMSVAEA.951: Functionality level introduced by WLM in z/OS V1R6					
					End of Comment
44	(2C)	X'11'	0	SVAEA_LEVEL017	"17"
					Comment
IWMSVAEA.960: WLM version number for z/OS V1R6					
					End of Comment
44	(2C)	X'11'	0	SVAEA_RESERVED_R16	"17"
					Comment
IWMSVAEA.980: Reserved functionality level					
					End of Comment
44	(2C)	X'12'	0	SVAEA_LEVEL018	"18"
					Comment
IWMSVAEA.974: Reserved for WLM version number for z/OS V1R17					
					End of Comment
44	(2C)	X'12'	0	SVAEA_RESERVED_R17	"18"
					Comment
IWMSVAEA.992: Reserved functionality level					
					End of Comment
44	(2C)	X'13'	0	SVAEA_LEVEL019	"19"
					Comment
IWMSVAEA.1033: Reserved for WLM version number for z/OS V1R18					
					End of Comment
44	(2C)	X'14'	0	SVAEA_RESERVED_R18	

IWMSVAEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"20"
					Comment
					IWMSVAEA.1017: WLM version number for z/OS V1R10
					End of Comment
44	(2C)	X'15'	0	SVAEA_LEVEL021	"21"
					Comment
					IWMSVAEA.1057: Reserved for WLM version number for z/OS V1R10
					End of Comment
44	(2C)	X'16'	0	SVAEA_RESERVED_R110	"22"
					Comment
					IWMSVAEA.1044: WLM version number for z/OS V1R11
					End of Comment
44	(2C)	X'17'	0	SVAEA_LEVEL023	"23"
					Comment
					IWMSVAEA.1082: WLM version number for z/OS V1R12
					End of Comment
44	(2C)	X'19'	0	SVAEA_LEVEL025	"25"
					Comment
					WLM version number for z/OS V2R1
					End of Comment
44	(2C)	X'1D'	0	SVAEA_LEVEL029	"29"
					Comment
					IWMSVAEA.1001: WLM version number for z/OS V1R8
					End of Comment
44	(2C)	X'13'	0	SVAEA_VER730	"19"
					Comment
					IWMSVAEA.1024: WLM version number for z/OS V1R10
					End of Comment
44	(2C)	X'15'	0	SVAEA_VER750	"21"
					Comment
					IWMSVAEA.1066: WLM version number for z/OS V1R11
					End of Comment
44	(2C)	X'17'	0	SVAEA_VER760	"23"
					Comment
					IWMSVAEA.1091: WLM version number for z/OS V1R12
					End of Comment
44	(2C)	X'19'	0	SVAEA_VER770	"25"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
WLM version number for z/OS V2R1					
					End of Comment
44	(2C)	X'1D'	0	SVAEA_VER790	"29"
					Comment
IWMSVAEA.748: Current version level used when checking functionality within WLM product					
					End of Comment
44	(2C)	X'1D'	0	SVAEA_CURRENT_VER	"29"
					Comment
IWMSVAEA.777: SVAEA section symbolic constant					
					End of Comment
44	(2C)	X'37'	0	SVAEA_SECTION	"55"
					Comment
IWMSVAEA.786: SVAEA header symbolic constant					
					End of Comment
44	(2C)	X'38'	0	SVAEA_HDR_SECTION	"56"
					Comment
IWMSVAEA.795: SVAEA AE symbolic constant					
					End of Comment
44	(2C)	X'39'	0	SVAEA_AE_SECTION	"57"
					Comment
IWMSVAEA.592: SVAEA extension symbolic constant					
					End of Comment
44	(2C)	X'3A'	0	SVAEA_EXT_SECTION	"58"
44	(2C)	X'30'	0	SVAEAEXT_LEN	"*-SVAEAEXT"

IWMSVAEA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVAEA_AE_SECTION	2C	39	SVAEA_EXT_OFF_AE	30	
SVAEA_APPLICATION_ENVIRONMENT_NAME	0		SVAEA_EXT_OFF_RSV1	38	
SVAEA_CURRENT_VER	2C	1D	SVAEA_EXT_OFF_RSV2	40	
SVAEA_DESCRIPTION	20		SVAEA_EXT_OFFSETS_AREA	28	
SVAEA_EXT_DATA_LEN	2C		SVAEA_EXT_SECTION	2C	3A
SVAEA_EXT_DATA_OFF	28		SVAEA_EXT_SIZ_AE	36	
SVAEA_EXT_NUM_AE	34		SVAEA_EXT_SIZ_RSV1	3E	
SVAEA_EXT_NUM_RSV1	3C		SVAEA_EXT_SIZ_RSV2	46	
SVAEA_EXT_NUM_RSV2	44		SVAEA_EYECATCHER	0	

IWMSVAEA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVAEA_FUNCTIONALITY_LEVEL			SVAEA_RESERVED_R09	2C	9
	4			2C	A
SVAEA_HDR_SECTION			SVAEA_RESERVED_R11		C
	2C	38	SVAEA_RESERVED_R110	2C	16
SVAEA_ID	2C	E5C1C5		2C	E
SVAEA_LEVEL001			SVAEA_RESERVED_R14	2C	F
	2C	1	SVAEA_RESERVED_R15		10
SVAEA_LEVEL003			SVAEA_RESERVED_R16	2C	11
	2C	3		2C	11
SVAEA_LEVEL004			SVAEA_RESERVED_R17	2C	12
	2C	4	SVAEA_RESERVED_R18		14
SVAEA_LEVEL005				2C	14
	2C	5	SVAEA_RESERVED1		C
SVAEA_LEVEL006			SVAEA_RESERVED2		48
	2C	6	SVAEA_RESERVED3		BF
SVAEA_LEVEL007			SVAEA_SECTION		37
	2C	7	SVAEA_SINGLE_SERVER	2C	
SVAEA_LEVEL008				C0	80
	2C	8	SVAEA_SINGLE_SYSPLEX		40
SVAEA_LEVEL009				C0	40
	2C	9	SVAEA_SIZE_AE		16
SVAEA_LEVEL010			SVAEA_SIZE_OF_HEADER		6
	2C	A		6	
SVAEA_LEVEL011			SVAEA_SIZE_OF_WHOLE_SVAEA		8
	2C	B		8	
SVAEA_LEVEL012			SVAEA_SIZE_RESERVED1		1E
	2C	C	SVAEA_SIZE_RESERVED2		26
SVAEA_LEVEL013			SVAEA_START_PARMS		4C
	2C	D	SVAEA_SUBSYSTEM_TYPE		40
SVAEA_LEVEL014			SVAEA_VER530	2C	3
	2C	E	SVAEA_VER604	2C	4
SVAEA_LEVEL015			SVAEA_VER605	2C	5
	2C	F	SVAEA_VER606	2C	6
SVAEA_LEVEL016			SVAEA_VER607	2C	7
	2C	10	SVAEA_VER608	2C	8
SVAEA_LEVEL017			SVAEA_VER703	2C	B
	2C	11	SVAEA_VER705	2C	D
SVAEA_LEVEL018			SVAEA_VER730	2C	13
	2C	12	SVAEA_VER750	2C	15
SVAEA_LEVEL019			SVAEA_VER760	2C	17
	2C	13	SVAEA_VER770	2C	19
SVAEA_LEVEL021			SVAEA_VER790	2C	1D
	2C	15	SVAEA_WLM_OPTIONS		C0
SVAEA_LEVEL023			SVAEA_WLM_VERSION_NUMBER		5
	2C	17		5	
SVAEA_LEVEL025			SVAEAAE	0	
	2C	19	SVAEAAE_LEN	DC	E4
SVAEA_LEVEL029			SVAEAEDL	28	
	2C	1D	SVAEAEDO	2C	
SVAEA_NUMBER_AE			SVAEAEXT	0	
	14		SVAEAEXT_LEN	2C	30
SVAEA_NUMBER_RESERVED1			SVAEAHDR	0	
	1C		SVAEAHDR_LEN	70	70
SVAEA_NUMBER_RESERVED2			SVAEAHROB	8	
	24		SVAEAVID	0	
SVAEA_OFFSET_AE					
	10				
SVAEA_OFFSET_RESERVED1					
	18				
SVAEA_OFFSET_RESERVED2					
	20				
SVAEA_OFFSETS_AREA					
	10				
SVAEA_PROCEDURE_NAME					
	44				
SVAEA_RESERVED_A					
	C4				
SVAEA_RESERVED_B					
	CC				
SVAEA_RESERVED_C					
	D4				
SVAEA_RESERVED_D					
	DC				
SVAEA_RESERVED_R08					

IWMSVDCR Information

IWMSVDCR Programming Interface information

Programming Interface information

IWMSVDCR

End of Programming Interface information

IWMSVDCR Heading Information • IWMSVDCR Map

IWMSVDCR Heading Information

Common Name: WLM Service Definition Classification Rule mapping
Macro ID: IWMSVDCR
DSECT Name: SVDCRHDR SVDCRSST SVDCRRUL SVDCRGRP SVDCRGVS SVDCREXT
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVDC
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: offset within SERVD (IWMSEVD) mapping
Serialization: None
Function: Contains service definition classification rule information returned by the IWMCQRY service
 All timestamps are local time expressed in STCK format.

IWMSVDCR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDCRHDR	Service definition classification rule header section
0	(0)	CHARACTER	4	SVDCRNAM	Eyecatcher
4	(4)	BITSTRING	1	SVDCRLVL	Functionality level of the SVDCR.
Comment					
<p>The functionality level defines the highest level of WLM function that exists in the SVDCR.</p>					
End of Comment					
5	(5)	BITSTRING	1	SVDCRWVN	WLM version number
6	(6)	SIGNED	2	SVDCRDIL	Size in bytes of header section
8	(8)	SIGNED	4	SVDCRSIZ	Size in bytes of the whole classification rule definition
12	(C)	SIGNED	4	SVDCRSO	Offset of subsystem type section if number of subsystems is nonzero (otherwise this field is ignored)
16	(10)	SIGNED	2	SVDCRSN	Number of subsystem type entries
18	(12)	SIGNED	2	SVDCRSS	Size of a subsystem type entry
20	(14)	SIGNED	4	SVDCRRO	Offset of classification rule section if number of classification rules is nonzero (otherwise this field is ignored)
24	(18)	SIGNED	2	SVDCRRN	Number of classification rule entries
26	(1A)	SIGNED	2	SVDCRRS	Size of a classification rule entry
28	(1C)	SIGNED	4	SVDCRGO	Offset of group section if number of groups is nonzero (otherwise this field is ignored)
32	(20)	SIGNED	2	SVDCRGN	Number of group entries
34	(22)	SIGNED	2	SVDCRGS	Size of a group entry
36	(24)	SIGNED	4	SVDCRVO	Offset of group value section if the groups is nonzero (otherwise this field is ignored)
40	(28)	SIGNED	2	SVDCRVN	Number of group value entries
42	(2A)	SIGNED	2	SVDCRVS	Size of a group value entry
44	(2C)	SIGNED	2	SVDCRLN	Deepest allowed level of nesting of classification rules (cannot exceed 4)
46	(2E)	CHARACTER	2		Reserved
48	(30)	CHARACTER	32		Reserved for additional triplets
80	(50)	SIGNED	4	SVDCR_EXT_DATA_OFF	Offset of extended data - this field not applicable for the IWMCQRY interface
84	(54)	SIGNED	4	SVDCR_EXT_DATA_LEN	Length of extended data - this field not applicable for the IWMCQRY interface
88	(58)	SIGNED	4	SVDCR_SST_EXT_OFF	Offset of subsystem type extension section if number of subsystem type extensions is nonzero (otherwise this field is ignored) - this field not applicable for the IWMCQRY interface
92	(5C)	SIGNED	2	SVDCR_SST_EXT_NUM	Number of subsystem type extension entries - this field not applicable for the IWMCQRY interface
94	(5E)	SIGNED	2	SVDCR_SST_EXT_SIZ	Length of each subsystem type extension entry - this field not applicable for the IWMCQRY interface
96	(60)	CHARACTER	32		Reserved for additional extension triplets
96	(60)	X'80'	0	SVDCRHDR_LEN	"*-SVDCRHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDCRSST	Subsystem type section
0	(0)	CHARACTER	4	SVDCRSNM	Subsystem type name
4	(4)	CHARACTER	32	SVDCRSDE	Subsystem type description (this field not provided for IWMCQRY)
36	(24)	CHARACTER	1	SVDCRSFL (0)	Subsystem type flags
		1...		SVDCRSFI	"X'80'" Default service class name specified
		.1.		SVDCRSPI	"X'40'" Default report class name specified
		..1.		SVDCRSAL	"X'20'" Always use EWLM cClassification rule
		...1		SVDCRSHE	"X'10'" Honor existing EWLM cClassification
37	(25)	CHARACTER	3		Reserved
40	(28)	CHARACTER	8	SVDCRSCN	Service class name to which work for this subsystem type will be classified if not overridden by service class associated with a particular rule. This field valid only if SVDCRSFI is on
48	(30)	CHARACTER	8	SVDCRSPN	Report class name to which work for this subsystem type will be reported if not overridden by report class associated with a particular rule. This field valid only if SVDCRSPI is on
56	(38)	SIGNED	4	SVDCRSRO	Offset to the first classification rule for this subsystem type from the beginning of this SVDCRSST entry
60	(3C)	SIGNED	2	SVDCRSRN	Total number of classification rules for this subsystem type
62	(3E)	CHARACTER	2		Reserved
64	(40)	CHARACTER	8	SVDCRSIU	Userid of subsystem type creator (this field not provided for IWMCQRY)
72	(48)	CHARACTER	8	SVDCRSIT	Timestamp of initial creation (this field not provided for IWMCQRY)
80	(50)	CHARACTER	8	SVDCRSRU	Userid of subsystem type last update (this field not provided for IWMCQRY)
88	(58)	CHARACTER	8	SVDCRSRT	Timestamp of subsystem type last update (this field not provided for IWMCQRY)
88	(58)	X'60'	0	SVDCRSST_LEN	**SVDCRSST"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDCRRUL	Classification rule entry
0	(0)	CHARACTER	4	SVDCRRQT (0)	Classification rule qualifier type to indicate the type of value in SVDCRRQV. Each qualifier type takes a character value with optional masking or wildcarding unless otherwise noted.
0	(0)	CHARACTER	1	SVDCRRQT_BYTE1 (0)	First byte
		1...		SVDCRRTN	"X'80'" Transaction name
		.1.		SVDCRRTC	"X'40'" Transaction class
		..1.		SVDCRRUI	"X'20'" Userid
		...1		SVDCRRSN	"X'10'" Subsystem name
		.... 1...		SVDCRRNI	"X'08'" Net id
		.... .1..		SVDCRRLU	"X'04'" LU name
		.... ..1.		SVDCRRAC	"X'02'" Accounting information
		.... ...1		SVDCRRSP	"X'01'" Subsystem parameter
1	(1)	CHARACTER	1	SVDCRRQT_BYTE2 (0)	Second byte
		1...		SVDCRRQT_COLL_NAME	"X'80'" Collection name
		.1.		SVDCRRQT_CORR_INFO	"X'40'" Correlation information
		..1.		SVDCRRQT_CONN_TYPE	"X'20'" Connection type
		...1		SVDCRRQT_PACK_NAME	"X'10'" Package name
		.... 1...		SVDCRRQT_PLAN_NAME	"X'08'" Plan name
		.... .1..		SVDCRRQT_PERFORM	"X'04'" Perform - although this is a number, it is treated as character data, i.e. masking and wildcarding can be used, relational operators cannot be used
		.... ..1.		SVDCRRQT_PROC_NAME	"X'02'" Procedure Name
		.... ...1		SVDCRRQT_PRIORITY	"X'01'" Priority - qualifier value is a number optionally preceded by a relational operator
2	(2)	CHARACTER	1	SVDCRRQT_BYTE3 (0)	Third byte
		1...		SVDCRRQT_PROCESS_NAME	"X'80'" Process Name
		.1.		SVDCRRQT_SYSTEM_NAME	"X'40'" System Name
		..1.		SVDCRRQT_SYSPLEX_NAME	"X'20'" Sysplex Name

IWMSVDCR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		SVDCRRQT_SUBSYSTEM_COLLECTION	"X'10" Subsystem Collection
		.... 1...		SVDCRRQT_SCHEDULING_ENVIRONMENT	"X'08" Scheduling Environment
		.... .1..		SVDCRRQT_EWLM_SCLASS	"X'04" EWLM service class
		.... ..1.		SVDCRRQT_EWLM_TCLASS	"X'02" EWLM transaction class
		.... ...1		SVDCRRQT_CLIENT_USERID	"X'01" Client Userld
3	(3)	CHARACTER	1	SVDCRRQT_BYTE4 (0)	Fourth byte
		1...		SVDCRRQT_CLIENT_WORKSTATION_NAME	"X'80" Client workstation name
		.1..		SVDCRRQT_CLIENT_IP_ADDRESS	"X'40" Client IP address
		..1.		SVDCRRQT_CLIENT_AI	"X'20" Client Accounting Information
		...1		SVDCRRQT_CLIENT_TN	"X'10" Client Transaction Name
		.... 1...		SVDCRRQT_B4_RSV08	"X'08" Reserved for future type and must be zero
		.... .1..		SVDCRRQT_B4_RSV04	"X'04" Reserved for future type and must be zero
		.... ..1.		SVDCRRQT_B4_RSV02	"X'02" Reserved for future type and must be zero
		.... ...1		SVDCRRQT_B4_RSV01	"X'01" Reserved for future type and must be zero

Comment

Format of SVDCRRQV (rule qualifier value):
 If SVDCRRGI is off (indicating this qualifier value does not refer to a group name) special characters or operators can be used based on the data type of the qualifier value.

For attributes that take character data (such as transaction name) the following special characters apply:

- Asterisk () in the last non-blank character position indicates wildcard (note: an asterisk in any other position is treated simply as the asterisk character)
- Mask character (%) in any position indicates that position will match any value for that character

For attributes that take numeric data (such as priority), the qualifier value consists of 1 to 8 EBCDIC digits, optionally preceded by one of the operators shown below. The operator must be in position 1, and the digits must follow the operator with no intervening blanks. If no operator appears (digits must begin in position 1), an equal comparison is performed. Trailing blanks can appear after the digits to pad the value to 8 characters.

- Less than (<)
- Greater than (>)
- Less than or equal (<=)
- Greater than or equal (>=)
- Not equal (<>)

If SVDCRRGI is on (indicating this field contains a group name), then no wildcard or mask characters or relational operators may be specified.

End of Comment

4	(4)	CHARACTER	8	SVDCRRQV	Classification rule qualifier value (see description of format above)
12	(C)	SIGNED	2	SVDCRRSV	Substring value index - starting position of substring. Ignored if SVDCRRSU is off.
14	(E)	CHARACTER	2		Reserved
16	(10)	CHARACTER	1	SVDCRRFL (0)	Classification rule flags
		..1.		SVDCRRSU	"X'20" Substringing used for qualifier value (mutually exclusive with SVDCRRGI, qualifier must take character data)
		.... 1...		SVDCRRCI	"X'08" Service class name specified for this rule

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		SVDCRRPI	"X'04" Report class name specified for this rule
		.... .1.		SVDCRRGI	"X'02" Qualifier value refers to a group
		.... ...1		SVDCRSTR	"X'01" Storage Protection
17	(11)	CHARACTER	1	SVDCRRF2 (0)	Classification rule flags
18	(12)	CHARACTER	1	SVDCRRF3 (0)	Classification rule flags byte 3. Currently, this byte contain bits that are going to be used in both SVPOL and SVDEF
		1...		SVDCRTRM	"X'80" Transaction or Region Management Option Transaction: SVDCRTRM = 0 Region : SVDCRTRM = 1
		.1..		SVDCRTRB	"X'40" Transaction or Region Management Option Set when value BOTH is specified
19	(13)	CHARACTER	1		Reserved
20	(14)	CHARACTER	8	SVDCRRCN	Service class name this rule will assign if rule matches. Valid only if classification rule flag (SVDCRRCI) indicates that the service class name was specified.
28	(1C)	CHARACTER	8	SVDCRRPN	Report class name, if SVDCRRPI is ON
36	(24)	SIGNED	2	SVDCRRLV	Nesting level of rule from 1 to 4
38	(26)	CHARACTER	2		Reserved
40	(28)	SIGNED	4		Reserved
44	(2C)	CHARACTER	32	SVDCRDES	Rule definition - this field not applicable for IWMCQRY
44	(2C)	X'4C'	0	SVDCRRUL_LEN	"*-SVDCRRUL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDCRGRP	Group section
0	(0)	CHARACTER	8	SVDCRGRN	Name of group
8	(8)	CHARACTER	32	SVDCRGDE	Group description (this field not provided for IWMCQRY)
40	(28)	CHARACTER	2	SVDCRGTY (0)	Qualifier type information for group describe the type in the value list
40	(28)	CHARACTER	1	SVDCRGTY_BYTE1 (0)	First byte
		1...		SVDCRGTN	"X'80" Transaction name
		.1..		SVDCRGTC	"X'40" Transaction class
		.1.		SVDCRGUI	"X'20" Userid
		...1		SVDCRGSN	"X'10" Subsystem name
		.... 1..		SVDCRGIN	"X'08" Net id
		.... .1..		SVDCRGLU	"X'04" LU name
		.... ..1.		SVDCRGTY_CONN_TYPE	"X'02" Connection type
		.... ...1		SVDCRGTY_PACK_NAME	"X'01" Package name
41	(29)	CHARACTER	1	SVDCRGTY_BYTE2 (0)	Second byte
		1...		SVDCRGTY_PLAN_NAME	"X'80" Plan name
		.1.		SVDCRGTY_PERFORM	"X'40" Perform
		..1.		SVDCRGTY_SYSTEM_NAME	"X'20" System Name Group
		...1		SVDCRGTY_AI	"X'10" Accounting Information Group
		.... 1..		SVDCRGTY_CI	"X'08" Correlation Information Group
		.... .1.		SVDCRGTY_CIP	"X'04" Client IP Address Group
		.... ..1.		SVDCRGTY_CN	"X'02" Collection Name Group
		.... ...1		SVDCRGTY_CUI	"X'01" Client UserId Group
42	(2A)	CHARACTER	1	SVDCRGTY_BYTE3 (0)	Third byte
		1...		SVDCRGTY_CWN	"X'80" Client Workstation Name Group
		.1.		SVDCRGTY_PC	"X'40" Process Name Group
		..1.		SVDCRGTY_PR	"X'20" Procedure Name Group
		...1		SVDCRGTY_PX	"X'10" Sysplex Name Group
		.... 1..		SVDCRGTY_SE	"X'08" Scheduling Environment Group
		.... .1.		SVDCRGTY_SPM	"X'04" Subsystem Parameter Group
		.... ..1.		SVDCRGTY_SSC	"X'02" Subsystem Collection Group
		.... ...1		SVDCRGTY_CAI	"X'01" Client Accounting Information Group
43	(2B)	CHARACTER	1	SVDCRGTY_BYTE4 (0)	Fourth byte
		1...		SVDCRGTY_CTN	"X'80" Client Transaction Name Group
44	(2C)	SIGNED	4	SVDCRGVO	Offset to the first group value for this group from the beginning of this SVDCRGRP entry
48	(30)	SIGNED	2	SVDCRGVN	Total number of values for this group
50	(32)	CHARACTER	2		Reserved

IWMSVDCR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	CHARACTER	8	SVDCRGIU	Userid of group creator (this field not provided for IWMCQRY)
60	(3C)	CHARACTER	8	SVDCRGIT	Timestamp of initial creation (this field not provided for IWMCQRY)
68	(44)	CHARACTER	8	SVDCRGRU	Userid of group last update (this field not provided for IWMCQRY)
76	(4C)	CHARACTER	8	SVDCRGRT	Timestamp of group last update (this field not provided for IWMCQRY)
76	(4C)	X'54'	0	SVDCRGRP_LEN	**SVDCRGRP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDCRGVS	Group member
0	(0)	CHARACTER	8	SVDCRGVV	Group value
8	(8)	SIGNED	2	SVDCRGSV	Substring value index - starting position of substring. Ignored if SVDCRGSU is off
10	(A)	CHARACTER 1... ..	1	SVDCRGFL (0) SVDCRGSU	Group value flags "X'80" Substringing used for qualifier value
11	(B)	CHARACTER	1		Reserved
12	(C)	CHARACTER	32	SVDCRGDS	Group value definition, this field not applicable for IWMCQRY
12	(C)	X'2C'	0	SVDCRGVS_LEN	**SVDCRGVS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDCREXT	Extension section entry
0	(0)	CHARACTER	8	SVDCRVID	Unique vendor id that owns the entry
8	(8)	CHARACTER	4	SVDCRROB	Related subsystem type name - name of subsystem which this extension entry extends
12	(C)	CHARACTER	4		Reserved in case 8-character extension becomes necessary
16	(10)	SIGNED	2	SVDCREDL	Extended data length
18	(12)	CHARACTER	2		Reserved
20	(14)	SIGNED	4	SVDCREDO	Offset to extended data - offset is from the beginning of the extended data whose offset is in SVDCR_EXT_DATA_OFF

Comment

Constants

End of Comment

20	(14)	X'E5C4C3'	0	SVDCR_ID	"C:SVDC" SVDCR identifier
20	(14)	X'0'	0	SVDCR_LEVEL000	"0" Functionality level introduced by WLM in SP510 before migration coexistence
20	(14)	X'1'	0	SVDCR_LEVEL001	"1" Functionality level introduced by WLM in SP510.
20	(14)	X'1'	0	SVDCR_SP510	"1" WLM SP510 version
20	(14)	X'2'	0	SVDCR_LEVEL002	"2" Functionality level introduced by WLM in SP520.
20	(14)	X'2'	0	SVDCR_SP520	"2" WLM SP520 version
20	(14)	X'3'	0	SVDCR_LEVEL003	"3" Functionality level introduced by WLM in OS/390 V1R3.
20	(14)	X'3'	0	SVDCR_SP530	"3" WLM version number for OS/390 V1R3
20	(14)	X'4'	0	SVDCR_LEVEL004	"4" Functionality level introduced by WLM in OS/390 V2R4
20	(14)	X'4'	0	SVDCR_SP604	"4" WLM version number for OS/390 V2R4
20	(14)	X'5'	0	SVDCR_LEVEL005	"5" Functionality level introduced by WLM in OS/390 V2R5
20	(14)	X'5'	0	SVDCR_SP605	"5" WLM version number for OS/390 V2R5
20	(14)	X'6'	0	SVDCR_LEVEL006	"6" Functionality level introduced by WLM in OS/390 V2R6
20	(14)	X'6'	0	SVDCR_SP606	"6" WLM version number for OS/390 V2R6
20	(14)	X'7'	0	SVDCR_LEVEL007	"7" Functionality level introduced by WLM in OS/390 V2R7
20	(14)	X'7'	0	SVDCR_SP607	"7" WLM version number for OS/390 V2R7
20	(14)	X'8'	0	SVDCR_LEVEL008	"8" Functionality level reserved for WLM OS/390 V2R7
20	(14)	X'8'	0	SVDCR_SP608	"8" WLM version number for OS/390 V2R7
20	(14)	X'9'	0	SVDCR_LEVEL009	"9" Functionality level reserved for WLM OS/390 V2R8
20	(14)	X'9'	0	SVDCR_RESERVED_R08	"9" WLM version number reserved for OS/390 V2R8
20	(14)	X'A'	0	SVDCR_LEVEL010	"10" Functionality level reserved for WLM OS/390 V2R9
20	(14)	X'A'	0	SVDCR_RESERVED_R09	"10" WLM version number reserved for OS/390 V2R9

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
20	(14)	X'B'	0	SVDCR_LEVEL011	"11" Functionality level introduced by WLM in OS/390 V2R10
20	(14)	X'B'	0	SVDCR_SP703	"11" WLM version number for OS/390 V2R10
20	(14)	X'C'	0	SVDCR_LEVEL012	"12" Functionality level reserved for WLM in OS/390 V2R11
20	(14)	X'C'	0	SVDCR_RESERVED_R11	"12" WLM version number reserved for OS/390 V2R11
20	(14)	X'D'	0	SVDCR_LEVEL013	"13" Functionality level introduced by WLM in OS/390 V2R12
20	(14)	X'D'	0	SVDCR_SP705	"13" WLM version number for OS/390 V2R12
20	(14)	X'E'	0	SVDCR_LEVEL014	"14" Functionality level reserved for WLM z/OS V1R3
20	(14)	X'E'	0	SVDCR_RESERVED_R13	"14" WLM version number reserved for z/OS V1R3
20	(14)	X'F'	0	SVDCR_LEVEL015	"15" Functionality level reserved for WLM z/OS V1R4
20	(14)	X'F'	0	SVDCR_RESERVED_R14	"15" WLM version number reserved for z/OS V1R4
20	(14)	X'10'	0	SVDCR_LEVEL016	"16" Functionality level reserved for WLM z/OS V1R5
20	(14)	X'10'	0	SVDCR_RESERVED_R15	"16" WLM version number reserved for z/OS V1R5
20	(14)	X'11'	0	SVDCR_LEVEL017	"17" Functionality level reserved for WLM z/OS V1R6
20	(14)	X'11'	0	SVDCR_RESERVED_R16	"17" WLM version number reserved for z/OS V1R6
20	(14)	X'12'	0	SVDCR_LEVEL018	"18" Functionality level reserved for WLM z/OS V1R7
20	(14)	X'12'	0	SVDCR_RESERVED_R17	"18" WLM version number reserved for z/OS V1R7
20	(14)	X'13'	0	SVDCR_LEVEL019	"19" Functionality level introduced with WLM z/OS V1R8
20	(14)	X'14'	0	SVDCR_RESERVED_R19	"20" WLM version number reserved for z/OS V1R8
20	(14)	X'15'	0	SVDCR_LEVEL021	"21" Functionality level introduced with WLM z/OS V1R10
20	(14)	X'16'	0	SVDCR_RESERVED_R21	"22" WLM version number reserved for z/OS V1R10
20	(14)	X'17'	0	SVDCR_LEVEL023	"23" Functionality level introduced with WLM z/OS V1R11
20	(14)	X'18'	0	SVDCR_RESERVED_R23	"24" WLM version number reserved for z/OS V1R11 APARs etc
20	(14)	X'19'	0	SVDCR_LEVEL025	"25" Functionality level introduced with WLM z/OS V1R12
20	(14)	X'1A'	0	SVDCR_RESERVED_R25	"26" WLM version number reserved for z/OS V1R12 APARs etc
20	(14)	X'1D'	0	SVDCR_LEVEL029	"29" Functionality level introduced with WLM z/OS V2R1. There was no new functionality level for z/OS V1R13, therefore, level 27 and 28 is left free
20	(14)	X'1E'	0	SVDCR_RESERVED_R29	"30" WLM version number reserved for z/OS V2R1 APARs etc
20	(14)	X'11'	0	SVDCR_SP709	"17" WLM version number introduced with WLM z/OS V1R6
20	(14)	X'13'	0	SVDCR_SP730	"19" WLM version number introduced with z/OS V1R8
20	(14)	X'15'	0	SVDCR_SP750	"21" WLM version number introduced with z/OS V1R10
20	(14)	X'17'	0	SVDCR_SP760	"23" WLM version number introduced with z/OS V1R11
20	(14)	X'19'	0	SVDCR_SP770	"25" WLM version number introduced with z/OS V1R12
20	(14)	X'1D'	0	SVDCR_SP790	"29" WLM version number introduced with z/OS V2R1
20	(14)	X'1D'	0	SVDCR_CURRENT_VER	"29" Current version level used when checking functionality within WLM product
20	(14)	X'4'	0	SVDCR_NLEVEL	"4" SVDCR deepest level of nesting allowed
20	(14)	X'19'	0	SVDCR_SECTION	"25" IWMSVDCR.77: Symbolic constant
20	(14)	X'1A'	0	SVDCR_HDR_SECTION	"26" IWMSVDCR.68: Symbolic constant
20	(14)	X'1B'	0	SVDCR_SST_SECTION	"27" IWMSVDCR.1245: Symbolic constant
20	(14)	X'1C'	0	SVDCR_RUL_SECTION	"28" IWMSVDCR.1016: Symbolic constant
20	(14)	X'1D'	0	SVDCR_GRP_SECTION	"29" IWMSVDCR.880: Symbolic constant
20	(14)	X'1E'	0	SVDCR_GVS_SECTION	"30" IWMSVDCR.889: Symbolic constant
20	(14)	X'1F'	0	SVDCR_EXT_SECTION	"31" IWMSVDCR.313: Symbolic constant

IWMSVDCR Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
20	(14)	X'1'	0	SVDCR_CONTEXT_RSN	"1" IWMSVDCR.322: Contextual problem
20	(14)	X'2'	0	SVDCR_ENTRY_RSN	"2" IWMSVDCR.331: Entry problem
20	(14)	X'18'	0	SVDCREXT_LEN	**SVDCREXT"

IWMSVDCR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVDCR_CONTEXT_RSN	14	1	SVDCR_LEVEL025	14	19
SVDCR_CURRENT_VER	14	1D	SVDCR_LEVEL029	14	1D
SVDCR_ENTRY_RSN	14	2	SVDCR_NLEVEL	14	4
SVDCR_EXT_DATA_LEN	54		SVDCR_RESERVED_R08	14	9
SVDCR_EXT_DATA_OFF	50		SVDCR_RESERVED_R09	14	A
SVDCR_EXT_SECTION	14	1F	SVDCR_RESERVED_R11	14	C
SVDCR_GRP_SECTION	14	1D	SVDCR_RESERVED_R13	14	E
SVDCR_GVS_SECTION	14	1E	SVDCR_RESERVED_R14	14	F
SVDCR_HDR_SECTION	14	1A	SVDCR_RESERVED_R15	14	10
SVDCR_ID	14	E5C4C3	SVDCR_RESERVED_R16	14	11
SVDCR_LEVEL000	14	0	SVDCR_RESERVED_R17	14	12
SVDCR_LEVEL001	14	1	SVDCR_RESERVED_R19	14	14
SVDCR_LEVEL002	14	2	SVDCR_RESERVED_R21	14	16
SVDCR_LEVEL003	14	3	SVDCR_RESERVED_R23	14	18
SVDCR_LEVEL004	14	4	SVDCR_RESERVED_R25	14	1A
SVDCR_LEVEL005	14	5	SVDCR_RESERVED_R29	14	1E
SVDCR_LEVEL006	14	6	SVDCR_RUL_SECTION	14	1C
SVDCR_LEVEL007	14	7	SVDCR_SECTION	14	19
SVDCR_LEVEL008	14	8	SVDCR_SP510	14	1
SVDCR_LEVEL009	14	9	SVDCR_SP520	14	2
SVDCR_LEVEL010	14	A	SVDCR_SP530	14	3
SVDCR_LEVEL011	14	B	SVDCR_SP604	14	4
SVDCR_LEVEL012	14	C	SVDCR_SP605	14	5
SVDCR_LEVEL013	14	D	SVDCR_SP606	14	6
SVDCR_LEVEL014	14	E	SVDCR_SP607	14	7
SVDCR_LEVEL015	14	F	SVDCR_SP608	14	8
SVDCR_LEVEL016	14	10	SVDCR_SP703	14	B
SVDCR_LEVEL017	14	11	SVDCR_SP705	14	D
SVDCR_LEVEL018	14	12	SVDCR_SP709	14	11
SVDCR_LEVEL019	14	13	SVDCR_SP730	14	13
SVDCR_LEVEL021	14	15	SVDCR_SP750	14	15
SVDCR_LEVEL023	14	17	SVDCR_SP760	14	17
			SVDCR_SP770	14	19
			SVDCR_SP790	14	1D
			SVDCR_SST_EXT_NUM	5C	
			SVDCR_SST_EXT_OFF	58	
			SVDCR_SST_EXT_SIZ	5E	
			SVDCR_SST_SECTION	14	1B
			SVDCRDES	2C	
			SVDCRDIL	6	
			SVDCREDL	10	
			SVDCREDO	14	

IWMSVDCR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVDCREXT	0		SVDCRRLV	24	
SVDCREXT_LEN	14	18	SVDCRRN	18	
SVDCRGDE	8		SVDCRRNI	0	8
SVDCRGDS	C		SVDCRRO	14	
SVDCRGFL	A		SVDCRROB	8	
SVDCRGIT	3C		SVDCRRPI	10	4
SVDCRGIU	34		SVDCRRPN	1C	
SVDCRGLU	28	4	SVDCRRQT	0	
SVDCRGN	20		SVDCRRQT_BYTE1		
SVDCRJNI	28	8		0	
SVDCRGO	1C		SVDCRRQT_BYTE2		
SVDCRGRN	0			1	
SVDCRGRP	0		SVDCRRQT_BYTE3		
SVDCRGRP_LEN	4C	54		2	
SVDCRGRRT	4C		SVDCRRQT_BYTE4		
SVDCRGRU	44			3	
SVDCRGS	22		SVDCRRQT_B4_RSV01		
SVDCRGSN	28	10		3	1
SVDCRGSU	A	80	SVDCRRQT_B4_RSV02		
SVDCRGSV	8			3	2
SVDCRGTC	28	40	SVDCRRQT_B4_RSV04		
SVDCRGTN	28	80		3	4
SVDCRGTY	28		SVDCRRQT_B4_RSV08		
SVDCRGTY_AI	29	10		3	8
SVDCRGTY_BYTE1			SVDCRRQT_CLIENT_AI		
	28			3	20
SVDCRGTY_BYTE2			SVDCRRQT_CLIENT_IP_ADDRESS		
	29			3	40
SVDCRGTY_BYTE3			SVDCRRQT_CLIENT_TN		
	2A			3	10
SVDCRGTY_BYTE4			SVDCRRQT_CLIENT_USERID		
	2B			2	1
SVDCRGTY_CAI	2A	1	SVDCRRQT_CLIENT_WORKSTATION_NAME		
SVDCRGTY_CI	29	8		3	80
SVDCRGTY_CIP	29	4	SVDCRRQT_COLL_NAME		
SVDCRGTY_CN	29	2		1	80
SVDCRGTY_CONN_TYPE			SVDCRRQT_CONN_TYPE		
	28			1	20
SVDCRGTY_CTN	2B	80	SVDCRRQT_CORR_INFO		
SVDCRGTY_CUI	29	1		1	40
SVDCRGTY_CWN	2A	80	SVDCRRQT_EWLM_SCLASS		
SVDCRGTY_PACK_NAME				2	4
	28	1	SVDCRRQT_EWLM_TCLASS		
SVDCRGTY_PC	2A	40		2	2
SVDCRGTY_PERFORM			SVDCRRQT_PACK_NAME		
	29	40		1	10
SVDCRGTY_PLAN_NAME			SVDCRRQT_PERFORM		
	29	80		1	4
SVDCRGTY_PR	2A	20	SVDCRRQT_PLAN_NAME		
SVDCRGTY_PX	2A	10		1	8
SVDCRGTY_SE	2A	8	SVDCRRQT_PRIORITY		
SVDCRGTY_SPM	2A	4		1	1
SVDCRGTY_SSC	2A	2	SVDCRRQT_PROC_NAME		
SVDCRGTY_SYSTEM_NAME				1	2
	29	20	SVDCRRQT_PROCESS_NAME		
SVDCRGUI	28	20		2	80
SVDCRGVN	30		SVDCRRQT_SCHEDULING_ENVIRONMENT		
SVDCRGVO	2C			2	8
SVDCRGVS	0		SVDCRRQT_SUBSYSTEM_COLLECTION		
SVDCRGVS_LEN	C	2C		2	10
SVDCRGVV	0		SVDCRRQT_SYSPLEX_NAME		
SVDCRHDR	0			2	20
SVDCRHDR_LEN	60	80	SVDCRRQT_SYSTEM_NAME		
SVDCRLN	2C			2	40
SVDCRLVL	4		SVDCRRQV		
SVDCRNAM	0			4	
SVDCRRAC	0	2	SVDCRRS		
SVDCRRCI	10	8		1A	
SVDCRRCN	14		SVDCRRSN		
SVDCRRFL	10			0	10
SVDCRRF2	11		SVDCRRSP		
SVDCRRF3	12			0	1
SVDCRRGI	10	2	SVDCRRSU		
SVDCRRLU	0	4		10	20
			SVDCRRSV		
				C	
			SVDCRRTC		
				0	40
			SVDCRRTN		
				0	80
			SVDCRRUI		
				0	20
			SVDCRRUL		
				0	

IWMSVDCR Cross Reference

Name	Hex Offset	Hex Value
SVDCRRUL_LEN	2C	4C
SVDCRSAL	24	20
SVDCRSCI	24	80
SVDCRSCN	28	
SVDCRSDE	4	
SVDCRSFL	24	
SVDCRSHE	24	10
SVDCRSIT	48	
SVDCRSIU	40	
SVDCRSIZ	8	
SVDCRSN	10	
SVDCRSNM	0	
SVDCRSO	C	
SVDCRSPI	24	40
SVDCRSPN	30	
SVDCRSRN	3C	
SVDCRSRO	38	
SVDCRSRT	58	
SVDCRSRU	50	
SVDCRSS	12	
SVDCRSST	0	
SVDCRSST_LEN	58	60
SVDCRSTR	10	1
SVDCRTRB	12	40
SVDCRTRM	12	80
SVDCRVID	0	
SVDCRVN	28	
SVDCRVO	24	
SVDCRVS	2A	
SVDCRWVN	5	

IWMSVDEF Information

IWMSVDEF Programming Interface information

Programming Interface information

IWMSVDEF

End of Programming Interface information

IWMSVDEF Heading Information • IWMSVDEF Map

IWMSVDEF Heading Information

Common Name: WLM Service Definition mapping
Macro ID: IWMSVDEF
DSECT Name: SVDEFHDR SVDEFPOL SVDEFWKL SVDEFSCS SVDEFGRP SVDEFRCL SVDEFCLA SVDEFPDA SVDEFRGA SVDEFCON
 SVDEFEXT SVDEFEMS @LEWMSMA
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVDE
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: offset into SERVD (IWMSEVD)
Serialization: None
Function: Contains general service definition information including service policies, workloads, service classes, report classes, resource groups, base and override service classes (including the period information), base and override resource group values, and constant information. All timestamps are local time expressed in STCK format.

IWMSVDEF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFHDR	
0	(0)	CHARACTER	4	SVDEFNAM	Eyecatcher (SVDE)
4	(4)	BITSTRING	1	SVDEFVLV	Functionality level of the SVDEF. The functionality level defines the highest level of WLM function that exists in the SVDEF.
5	(5)	BITSTRING	1	SVDEFWVN	WLM version number
6	(6)	SIGNED	2	SVDEFDIL	Size of header section
8	(8)	CHARACTER	32	SVDEFDES	Service definition description
40	(28)	SIGNED	4	SVDEFSIZ	Size of SVDEF
44	(2C)	SIGNED	4	SVDEFPO	Offset of policy section if the number of policies is nonzero (otherwise this field is ignored)
48	(30)	SIGNED	2	SVDEFPN	Number of policy entries
50	(32)	SIGNED	2	SVDEFPS	Size of policy entry
52	(34)	SIGNED	4	SVDEFWO	Offset of workload section if the number of workloads is nonzero (otherwise this field is ignored)
56	(38)	SIGNED	2	SVDEFWN	Number of workload entries
58	(3A)	SIGNED	2	SVDEFWS	Size of workload entry
60	(3C)	SIGNED	4	SVDEFKO	Offset of service class section if number of service classes is nonzero (otherwise this field is ignored)
64	(40)	SIGNED	2	SVDEFKN	Number of service class entries
66	(42)	SIGNED	2	SVDEFKS	Size of service class entry
68	(44)	SIGNED	4	SVDEFKO	Offset of resource group section if number of resource groups is nonzero (otherwise this field is ignored)
72	(48)	SIGNED	2	SVDEFKN	Number of resource group entries
74	(4A)	SIGNED	2	SVDEFKS	Size of resource group entry
76	(4C)	SIGNED	4	SVDEFRO	Offset of report class section if number of report classes is nonzero (otherwise this field is ignored)
80	(50)	SIGNED	2	SVDEFRN	Number of report class entries
82	(52)	SIGNED	2	SVDEFRS	Size of report class entry
84	(54)	SIGNED	4	SVDEFKAO	Offset of service class attribute section if number of service class attributes is nonzero (otherwise this field is ignored)
88	(58)	SIGNED	2	SVDEFKAN	Number of service class attribute entries
90	(5A)	SIGNED	2	SVDEFKAS	Size of service class attribute entry
92	(5C)	SIGNED	4	SVDEFKAO	Offset of resource group attribute section if number of service class attributes is nonzero (otherwise this field is ignored)
96	(60)	SIGNED	2	SVDEFKAN	Number of resource group attribute entries
98	(62)	SIGNED	2	SVDEFKAS	Size of resource group attribute entry
100	(64)	SIGNED	4	SVDEFKNO	Offset of constant information section
104	(68)	SIGNED	2	SVDEFKNS	Size of constant information entry
106	(6A)	SIGNED	2	SVDEFKPS	Size of each service class period entry
108	(6C)	CHARACTER	32	SVDEFID (0)	Service definition id starts here (can be mapped by SVIDSSVD in IWMSVIDS)
108	(6C)	CHARACTER	8	SVDEFIDN	Service definition name
116	(74)	CHARACTER	8	SVDEFIDI	Timestamp (STCK format) in local time the service definition was installed (on install processing (IWMINST) this field is set by WLM)
124	(7C)	CHARACTER	8	SVDEFIDU	Userid of the service administrator that installed the service definition (on install processing (IWMINST) this field is set by WLM)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
132	(84)	CHARACTER	8	SVDEFIDS	Name of the system on which the service definition was installed (on install processing (IWMDINST) this field is set by WLM)
140	(8C)	CHARACTER	32		Reserved for additional triplets
172	(AC)	CHARACTER	32	SVDEFPRO	ID of product which performed the installation (mapped by SVIDSPRD)
204	(CC)	SIGNED	4	SVDEF_EXT_OFF	Offset of service definition extension section if number of service definition extensions is nonzero (otherwise this field is ignored)
208	(D0)	SIGNED	2	SVDEF_EXT_NUM	Number of service definition extension entries
210	(D2)	SIGNED	2	SVDEF_EXT_SIZ	Size of service definition extension entry
212	(D4)	SIGNED	4	SVDEF_SP_EXT_OFF	Offset of policy extension section if number of policy extensions is nonzero (otherwise this field is ignored)
216	(D8)	SIGNED	2	SVDEF_SP_EXT_NUM	Number of policy extension entries
218	(DA)	SIGNED	2	SVDEF_SP_EXT_SIZ	Size of policy extension entry
220	(DC)	SIGNED	4	SVDEF_WD_EXT_OFF	Offset of workload extension section if number of workload extensions is nonzero (otherwise this field is ignored)
224	(E0)	SIGNED	2	SVDEF_WD_EXT_NUM	Number of workload extension entries
226	(E2)	SIGNED	2	SVDEF_WD_EXT_SIZ	Size of workload extension entry
228	(E4)	SIGNED	4	SVDEF_CD_EXT_OFF	Offset of service class extension section if number of service class extensions is nonzero (otherwise this field is ignored)
232	(E8)	SIGNED	2	SVDEF_CD_EXT_NUM	Number of service class extension entries
234	(EA)	SIGNED	2	SVDEF_CD_EXT_SIZ	Size of service class extension entry
236	(EC)	SIGNED	4	SVDEF_RG_EXT_OFF	Offset of resource group extension section if number of resource group extensions is nonzero (otherwise this field is ignored)
240	(F0)	SIGNED	2	SVDEF_RG_EXT_NUM	Number of resource group extension entries
242	(F2)	SIGNED	2	SVDEF_RG_EXT_SIZ	Size of resource group extension entry
244	(F4)	SIGNED	4	SVDEF_RD_EXT_OFF	Offset of report class extension section if number of report class extensions is nonzero (otherwise this field is ignored)
248	(F8)	SIGNED	2	SVDEF_RD_EXT_NUM	Number of report class extension entries
250	(FA)	SIGNED	2	SVDEF_RD_EXT_SIZ	Size of report class extension entry
252	(FC)	SIGNED	4	SVDEF_CLA_EXT_OFF	Offset of service class attribute extension section if number of service class attribute extensions is nonzero (otherwise this field is ignored)
256	(100)	SIGNED	2	SVDEF_CLA_EXT_NUM	Number of service class attribute extension entries
258	(102)	SIGNED	2	SVDEF_CLA_EXT_SIZ	Size of service class attribute extension entry
260	(104)	SIGNED	4	SVDEF_RGA_EXT_OFF	Offset of resource group attribute extension section if number of resource class attribute extensions is nonzero (otherwise this field is ignored)
264	(108)	SIGNED	2	SVDEF_RGA_EXT_NUM	Number of resource group attribute extension entries
266	(10A)	SIGNED	2	SVDEF_RGA_EXT_SIZ	Size of resource group attribute extension entry
268	(10C)	SIGNED	4	SVDEF_EWLM_MS_OFF	Offset of GPMP settings section
272	(110)	SIGNED	2	SVDEF_EWLM_MS_SIZ	Length of GPMP settings entry
274	(112)	SIGNED	2	SVDEF_EWLM_MS_NUM	Number of GPMP settings entries
276	(114)	CHARACTER	24		Reserved for additional extension triplets
300	(12C)	SIGNED	4	SVDEF_EXT_DATA_OFF	Offset of extended data (0 if no extended data exists)
304	(130)	SIGNED	4	SVDEF_EXT_DATA_LEN	Length of extended data
308	(134)	CHARACTER	40	SVDEF_CODEPAGE	Codepage used to create service definition
348	(15C)	CHARACTER	4		Reserved

IWMSVDEF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
348	(15C)	X'160'	0	SVDEFHDR_LEN	""-SVDEFHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	BASED_SVDEFID	
0	(0)	CHARACTER	8		Service definition name
8	(8)	CHARACTER	8		Timestamp (STCK format) in local time the service definition was installed (on install processing (IWMDINST) this field is set by WLM)
16	(10)	CHARACTER	8		Userid of the service administrator that installed the service definition (on install processing (IWMDINST) this field is set by WLM)
24	(18)	CHARACTER	8		Name of the system on which the service definition was installed (on install processing (IWMDINST) this field is set by WLM)
24	(18)	X'20'	0	BASED_SVDEFID_LEN	""-BASED_SVDEFID"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFPOL	Service policy section
0	(0)	CHARACTER	8	SVDEFPNM	Policy name
8	(8)	CHARACTER	32	SVDEFPDE	Policy description
40	(28)	CHARACTER	8	SVDEFPIU	Userid of policy creator
48	(30)	CHARACTER	8	SVDEFPIU	Timestamp of initial creation
56	(38)	CHARACTER	8	SVDEFPRU	Userid of policy last update
64	(40)	CHARACTER	8	SVDEFPRU	Timestamp of policy last update
64	(40)	X'48'	0	SVDEFPOL_LEN	""-SVDEFPOL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFWKL	Workload section
0	(0)	CHARACTER	8	SVDEFWNM	Workload name
8	(8)	CHARACTER	32	SVDEFWDE	Workload description
40	(28)	CHARACTER	8	SVDEFWIU	Userid of workload creator
48	(30)	CHARACTER	8	SVDEFWIT	Timestamp of initial creation
56	(38)	CHARACTER	8	SVDEFWRU	Userid of workload last update
64	(40)	CHARACTER	8	SVDEFWRT	Timestamp of workload last update
64	(40)	X'48'	0	SVDEFWKL_LEN	""-SVDEFWKL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFSCCL	Service class section
0	(0)	CHARACTER	8	SVDEFSCNM	Service class name
8	(8)	CHARACTER	32	SVDEFSCDE	Service class description
40	(28)	CHARACTER	8	SVDEFSCWN	Name of associated workload
48	(30)	CHARACTER	8	SVDEFSCIU	Userid of service class creator
56	(38)	CHARACTER	8	SVDEFSCIT	Timestamp of initial creation
64	(40)	CHARACTER	8	SVDEFSCRU	Userid of service class last update
72	(48)	CHARACTER	8	SVDEFSCRT	Timestamp of service class last update
72	(48)	X'50'	0	SVDEFSCCL_LEN	""-SVDEFSCCL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFGRP	Resource group section
0	(0)	CHARACTER	8	SVDEFGRNM	Resource group name
8	(8)	CHARACTER	32	SVDEFGRDE	Resource group description
40	(28)	CHARACTER	8	SVDEFGRUI	Userid of resource group creator
48	(30)	CHARACTER	8	SVDEFGRIT	Timestamp of initial creation
56	(38)	CHARACTER	8	SVDEFGRU	Userid of resource group last update
64	(40)	CHARACTER	8	SVDEFGRU	Timestamp of resource group last update
64	(40)	X'48'	0	SVDEFGRP_LEN	""-SVDEFGRP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFRCL	Report class section
0	(0)	CHARACTER	8	SVDEFRNM	Report class name
8	(8)	CHARACTER	32	SVDEFRDE	Report class description
40	(28)	CHARACTER	8	SVDEFRIU	Userid of report class creator
48	(30)	CHARACTER	8	SVDEFRIT	Timestamp of initial creation
56	(38)	CHARACTER	8	SVDEFRRU	Userid of report class last update
64	(40)	CHARACTER	8	SVDEFRRT	Timestamp of report class recent update
64	(40)	X'48'	0	SVDEFRCL_LEN	**SVDEFRCL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFCLA	Service class attributes section
0	(0)	CHARACTER	8	SVDEFSCN	Service class name with which this attribute is associated
8	(8)	CHARACTER	8	SVDEFSPN	Name of policy that service class attribute is associated with (this field will be blanks if it is a base attribute)
16	(10)	CHARACTER	8	SVDEF CGN	Name of the resource group this service class is associated with - blanks if no resource group association
24	(18)	SIGNED	2	SVDEFPCN	Number of service class periods for this service class attribute
26	(1A)	CHARACTER	1	SVDEFFLG (0)	Service Class Attribute
		1... ..		SVDEFPCPC	"X'80" Service Class CPU protection attribute
		.1.		SVDEFIPG	"X'40" Service Class assigned to I/O priority group
27	(1B)	CHARACTER	5	SVDEF CAT	Reserved (keep structure on dword boundary)
27	(1B)	X'20'	0	SVDEFCLA_LEN	**SVDEFCLA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEF PDA	Service class period data mapping
0	(0)	BITSTRING	1	SVDEFTYP (0)	Goal type indicators - mutually exclusive
		1... ..		SVDEFPRC	"X'80" Percentile response time goal
		.1.		SVDEF AVG	"X'40" Average response time goal
		..1.		SVDEFVEL	"X'20" Velocity goal
		...1		SVDEFDSC	"X'10" Discretionary goal
1	(1)	BITSTRING	1	SVDEFRTU	Response time unit indicator - indicates the units in which the SVDEFVAL field is expressed 1 => milliseconds, 2 => seconds 3 => minutes, 4 => hours
2	(2)	SIGNED	2	SVDEFPER	Goal percentile value
4	(4)	SIGNED	2	SVDEFIMP	Importance level 1 (most important) to 5 (least important). Must be specified for all goal types except discretionary (for discretionary, importance is ignored)
6	(6)	SIGNED	2		Reserved
8	(8)	SIGNED	4	SVDEFVAL	Response time goal or speed goal Zero if discretionary or if no goal defined
12	(C)	SIGNED	4	SVDEFDUR	Service class period duration, in service units, or zero for last period
12	(C)	X'10'	0	SVDEF PDA_LEN	**SVDEF PDA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFRGA	Resource group attributes section
0	(0)	CHARACTER	8	SVDEFRGN	Resource group name
8	(8)	CHARACTER	8	SVDEFRPN	Resource group attribute policy name
16	(10)	SIGNED	4	SVDEFGMN	Minimum service rate, in raw CPU service units
20	(14)	SIGNED	4	SVDEFGMX	Maximum service rate, in raw CPU service units
24	(18)	BITSTRING	4	SVDEFGLT (0)	Indicators
		1... ..		SVDEFMXS	"X'80" Maximum service rate was specified
		.1.		SVDEFMNS	"X'40" Minimum service rate was specified
		...1		SVDEFGPV	"X'10" Service rates in percentage of total LPAR capacity
		.... 1...		SVDEFGPC	"X'08" Service rates in percentage of a single processor
28	(1C)	CHARACTER	4		Reserved (keep structure on Dword boundary)
28	(1C)	X'20'	0	SVDEFRGA_LEN	**SVDEFRGA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFCON	Constants
0	(0)	BITSTRING	1	SVDEFFL1 (0)	Flag 1
		1... ..		SVDEFSCO	"X'80" Service coefficients were specified
1	(1)	BITSTRING	1	SVDEFFL2 (0)	Flag 2
		1... ..		SVDEFIOM	"X'80" When set indicates that we should include the I/O delays in the execution velocity
		.1.		SVDEFDAM	"X'40" When set indicates dynamic alias tuning is available

IWMSVDEF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		SVDEFIOE	"X'20" When set indicates I/O priority groups are enabled
2	(2)	BITSTRING	1	SVDEFFL3	Flag 3 - reserved
3	(3)	BITSTRING	1	SVDEFFL4	Flag 4 - reserved
4	(4)	SIGNED	4	SVDEFPCPU	CPU service coefficient * 10000 - the number by which accumulated CPU service units will be multiplied (weighted)
8	(8)	SIGNED	4	SVDEFIOC	I/O service coefficient * 10000 - the number by which accumulated I/O service units will be multiplied (weighted)
12	(C)	SIGNED	4	SVDEFMSO	Storage service coefficient * 10000 - the number by which accumulated storage service units will be multiplied (weighted)
16	(10)	SIGNED	4	SVDEFSRB	SRB service coefficient * 10000 - the number by which accumulated SRB service units will be multiplied (weighted)
20	(14)	CHARACTER	28		Reserved (keep structure on dword boundary)
20	(14)	X'30'	0	SVDEFCON_LEN	**-SVDEFCON"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFEMS	GPMP settings
0	(0)	BITSTRING	1	SVDEFEFL (0)	Flags
		1...		SVDEFEAY	"X'80" GPMP should be activated
		..1.		SVDEFALS	"X'40" Reserved
		..1.		SVDEFALC	"X'20" Reserved
1	(1)	BITSTRING	3		Reserved
4	(4)	SIGNED	4	SVDEFEDP	Reserved
8	(8)	CHARACTER	256	SVDEFEDN	Reserved
264	(108)	CHARACTER	240	SVDEFSKN	Reserved
504	(1F8)	SIGNED	4		Reserved
508	(1FC)	SIGNED	2	SVDEFNSY	Number of host systems to be excluded
510	(1FE)	SIGNED	2		Reserved
512	(200)	CHARACTER	8	SVDEFSYN	Names of host systems to be excluded
768	(300)	X'300'	0	SVDEFEMS_LEN	**-SVDEFEMS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVDEFEXT	Extension section entry
0	(0)	CHARACTER	8	SVDEFVID	Vendor/product id that owns the entry
8	(8)	CHARACTER	8	SVDEFROB	Related object name - name of object (for example, service class name SVDEFNCNM) which this extension entry extends
16	(10)	CHARACTER	8	SVDEFEPN	Related policy name - valid only if this entry extends a service class attribute or resource group attribute entry (otherwise this field is ignored). Note that a value of blanks indicates that the attribute which this entry extends is a base attribute
24	(18)	SIGNED	2	SVDEFEDL	Extended data length
26	(1A)	CHARACTER	2		Reserved
28	(1C)	SIGNED	4	SVDEFEDO	Offset to extended data - offset is from the beginning of the extended data whose offset is in SVDEF_EXT_DATA_OFF

Comment

Constants

End of Comment

28	(1C)	X'1'	0	SVDEF_RTU_MS	"1" SVDEFRTU value indicating that SVDEFVAL value is expressed in milliseconds
28	(1C)	X'2'	0	SVDEF_RTU_SECOND	"2" SVDEFRTU value indicating that SVDEFVAL value is expressed in seconds
28	(1C)	X'3'	0	SVDEF_RTU_MINUTE	"3" SVDEFRTU value indicating that SVDEFVAL value is expressed in minutes
28	(1C)	X'4'	0	SVDEF_RTU_HOUR	"4" SVDEFRTU value indicating that SVDEFVAL value is expressed in hours
28	(1C)	X'E5C4C5'	0	SVDEF_NAME	"C'SVDE" 'SVDE' acronym
28	(1C)	X'1'	0	SVDEF_LEVEL001	"1" Functionality level introduced by WLM in SP510.
28	(1C)	X'1'	0	SVDEF_SP510	"1" WLM SP510 version
28	(1C)	X'2'	0	SVDEF_LEVEL002	"2" Functionality level introduced by WLM in SP520.
28	(1C)	X'2'	0	SVDEF_SP520	"2" WLM SP520 version
28	(1C)	X'3'	0	SVDEF_LEVEL003	"3" Functionality level introduced by WLM in OS/390 V1R3
28	(1C)	X'3'	0	SVDEF_SP530	"3" WLM version number for OS/390 V1R3
28	(1C)	X'4'	0	SVDEF_LEVEL004	"4" Functionality level introduced by WLM in OS/390 V2R4

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	X'4'	0	SVDEF_SP604	"4" WLM version number for OS/390 V2R4
28	(1C)	X'5'	0	SVDEF_LEVEL005	"5" Functionality level introduced by WLM in OS/390 V2R5
28	(1C)	X'5'	0	SVDEF_SP605	"5" WLM version number for OS/390 V2R5
28	(1C)	X'6'	0	SVDEF_LEVEL006	"6" Functionality level introduced by WLM in OS/390 V2R6
28	(1C)	X'6'	0	SVDEF_SP606	"6" WLM version number for OS/390 V2R6
28	(1C)	X'7'	0	SVDEF_LEVEL007	"7" Functionality level introduced by WLM in OS/390 V2R7
28	(1C)	X'7'	0	SVDEF_SP607	"7" WLM version number for OS/390 V2R7
28	(1C)	X'8'	0	SVDEF_LEVEL008	"8" Functionality level introduced by WLM in OS/390 V2R7
28	(1C)	X'8'	0	SVDEF_SP608	"8" WLM version number for OS/390 V2R7
28	(1C)	X'9'	0	SVDEF_LEVEL009	"9" Functionality level reserved for WLM OS/390 V2R8
28	(1C)	X'9'	0	SVDEF_RESERVED_R08	"9" WLM version number reserved for OS/390 V2R8
28	(1C)	X'A'	0	SVDEF_LEVEL010	"10" Functionality level reserved for WLM OS/390 V2R9
28	(1C)	X'A'	0	SVDEF_RESERVED_R09	"10" WLM version number reserved for OS/390 V2R9
28	(1C)	X'B'	0	SVDEF_LEVEL011	"11" Functionality level introduced by WLM in OS/390 V2R10
28	(1C)	X'B'	0	SVDEF_SP703	"11" WLM version number for OS/390 V2R10
28	(1C)	X'C'	0	SVDEF_LEVEL012	"12" Functionality level reserved for WLM OS/390 V2R11
28	(1C)	X'C'	0	SVDEF_RESERVED_R11	"12" WLM version number reserved for OS/390 V2R11
28	(1C)	X'D'	0	SVDEF_LEVEL013	"13" Functionality level introduced by WLM in OS/390 V2R12
28	(1C)	X'D'	0	SVDEF_SP705	"13" WLM version number for OS/390 V2R12
28	(1C)	X'E'	0	SVDEF_LEVEL014	"14" Functionality level reserved for WLM in z/OS V1R3
28	(1C)	X'E'	0	SVDEF_RESERVED_R13	"14" WLM version number reserved for z/OS V1R3
28	(1C)	X'F'	0	SVDEF_LEVEL015	"15" Functionality level reserved for WLM in z/OS V1R4
28	(1C)	X'F'	0	SVDEF_RESERVED_R14	"15" WLM version number reserved for z/OS V1R4
28	(1C)	X'10'	0	SVDEF_LEVEL016	"16" Functionality level reserved for WLM in z/OS V1R5
28	(1C)	X'10'	0	SVDEF_RESERVED_R15	"16" WLM version number reserved for z/OS V1R5
28	(1C)	X'11'	0	SVDEF_LEVEL017	"17" Functionality level introduced by WLM in z/OS V1R6
28	(1C)	X'11'	0	SVDEF_SP709	"17" WLM version number in z/OS V1R6
28	(1C)	X'11'	0	SVDEF_RESERVED_R16	"17" WLM version number reserved for z/OS V1R6
28	(1C)	X'12'	0	SVDEF_LEVEL018	"18" Functionality level reserved for WLM z/OS V1R17
28	(1C)	X'12'	0	SVDEF_RESERVED_R17	"18" WLM version number reserved for z/OS V1R17
28	(1C)	X'13'	0	SVDEF_LEVEL019	"19" Functionality level introduced with WLM z/OS V1R18
28	(1C)	X'13'	0	SVDEF_SP730	"19" WLM version number introduced with z/OS V1R18
28	(1C)	X'14'	0	SVDEF_LEVEL020	"20" Functionality level reserved for WLM z/OS V1R18 APARS etc
28	(1C)	X'15'	0	SVDEF_LEVEL021	"21" Functionality level introduced with WLM z/OS V1R10
28	(1C)	X'15'	0	SVDEF_SP750	"21" WLM version number introduced with z/OS V1R10
28	(1C)	X'16'	0	SVDEF_LEVEL022	"22" Functionality level reserved for WLM z/OS V1R10 APARS etc
28	(1C)	X'17'	0	SVDEF_LEVEL023	"23" Functionality level introduced with WLM z/OS V1R11
28	(1C)	X'17'	0	SVDEF_SP760	"23" WLM version number introduced with z/OS V1R11
28	(1C)	X'19'	0	SVDEF_LEVEL025	"25" Functionality level introduced with WLM z/OS V1R12
28	(1C)	X'19'	0	SVDEF_SP770	"25" WLM version number introduced with z/OS V1R12
28	(1C)	X'1D'	0	SVDEF_LEVEL029	"29" Functionality level introduced with WLM z/OS V2R1
28	(1C)	X'1D'	0	SVDEF_SP790	"29" WLM version number introduced with z/OS V2R1
28	(1C)	X'1D'	0	SVDEF_CURRENT_VER	"29" Current version level used when checking functionality within WLM product.
28	(1C)	X'0'	0	SVDEF_SECTION	

IWMSVDEF Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	X'1'	0	SVDEF_HDR_SECTION	"0" IWMSVDEF.865: Symbolic constant
28	(1C)	X'2'	0	SVDEF_SP_SECTION	"1" IWMSVDEF.1081: Symbolic constant
28	(1C)	X'3'	0	SVDEF_WD_SECTION	"2" IWMSVDEF.412: Symbolic constant
28	(1C)	X'4'	0	SVDEF_CD_SECTION	"3" IWMSVDEF.218: Symbolic constant
28	(1C)	X'5'	0	SVDEF_PD_SECTION	"4" IWMSVDEF.599: Symbolic constant
28	(1C)	X'6'	0	SVDEF_RG_SECTION	"5" IWMSVDEF.608: Symbolic constant
28	(1C)	X'7'	0	SVDEF_RD_SECTION	"6" IWMSVDEF.617: Symbolic constant
28	(1C)	X'8'	0	SVDEF_CLA_SECTION	"7" IWMSVDEF.454: Symbolic constant
28	(1C)	X'9'	0	SVDEF_RGA_SECTION	"8" IWMSVDEF.404: Symbolic constant
28	(1C)	X'A'	0	SVDEF_CON_SECTION	"9" IWMSVDEF.707: Symbolic constant
28	(1C)	X'B'	0	SVDEF_EXT_SECTION	"10" IWMSVDEF.893: Symbolic constant
28	(1C)	X'C'	0	SVDEF_EMS_SECTION	"11" IWMSVDEF.697: Symbolic constant
28	(1C)	X'1'	0	SVDEF_CONTEXT_RSN	"12" IWMSVDEF.2099: Symbolic constant
28	(1C)	X'2'	0	SVDEF_ENTRY_RSN	"1" IWMSVDEF.183: Contextual problem
28	(1C)	X'20'	0	SVDEFEXT_LEN	"2" IWMSVDEF.1031: Entry problem
					"*-SVDEFEXT"

IWMSVDEF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BASED_SVDEFID	0		SVDEF_EXT_DATA_LEN	130	
BASED_SVDEFID_LEN	18	20	SVDEF_EXT_DATA_OFF	12C	
SVDEF_CD_EXT_NUM	E8		SVDEF_EXT_NUM	D0	
SVDEF_CD_EXT_OFF	E4		SVDEF_EXT_OFF	CC	
SVDEF_CD_EXT_SIZ	EA		SVDEF_EXT_SECTION	1C	B
SVDEF_CD_SECTION	1C	4	SVDEF_EXT_SIZ	D2	
SVDEF_CLA_EXT_NUM	100		SVDEF_HDR_SECTION	1C	1
SVDEF_CLA_EXT_OFF	FC		SVDEF_LEVEL001	1C	1
SVDEF_CLA_EXT_SIZ	102		SVDEF_LEVEL002	1C	2
SVDEF_CLA_SECTION	1C	8	SVDEF_LEVEL003	1C	3
SVDEF_CODEPAGE	134		SVDEF_LEVEL004	1C	4
SVDEF_CON_SECTION	1C	A	SVDEF_LEVEL005	1C	5
SVDEF_CONTEXT_RSN	1C	1	SVDEF_LEVEL006	1C	6
SVDEF_CURRENT_VER	1C	1D	SVDEF_LEVEL007	1C	7
SVDEF_EMS_SECTION	1C	C	SVDEF_LEVEL008	1C	8
SVDEF_ENTRY_RSN	1C	2	SVDEF_LEVEL009	1C	9
SVDEF_EWLM_MS_NUM	112		SVDEF_LEVEL010	1C	A
SVDEF_EWLM_MS_OFF	10C		SVDEF_LEVEL011	1C	B
SVDEF_EWLM_MS_SIZ	110		SVDEF_LEVEL012	1C	C

IWMSVDEF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVDEF_LEVEL013	1C	D	SVDEF_RTU_SECOND	1C	2
SVDEF_LEVEL014	1C	E	SVDEF_SECTION	1C	0
SVDEF_LEVEL015	1C	F	SVDEF_SP_EXT_NUM	D8	
SVDEF_LEVEL016	1C	10	SVDEF_SP_EXT_OFF	D4	
SVDEF_LEVEL017	1C	11	SVDEF_SP_EXT_SIZ	DA	
SVDEF_LEVEL018	1C	12	SVDEF_SP_SECTION	1C	2
SVDEF_LEVEL019	1C	13	SVDEF_SP510	1C	1
SVDEF_LEVEL020	1C	14	SVDEF_SP520	1C	2
SVDEF_LEVEL021	1C	15	SVDEF_SP530	1C	3
SVDEF_LEVEL022	1C	16	SVDEF_SP604	1C	4
SVDEF_LEVEL023	1C	17	SVDEF_SP605	1C	5
SVDEF_LEVEL025	1C	19	SVDEF_SP606	1C	6
SVDEF_LEVEL029	1C	1D	SVDEF_SP607	1C	7
SVDEF_NAME	1C	E5C4C5	SVDEF_SP608	1C	8
SVDEF_PD_SECTION	1C	5	SVDEF_SP703	1C	B
SVDEF_RD_EXT_NUM	F8		SVDEF_SP705	1C	D
SVDEF_RD_EXT_OFF	F4		SVDEF_SP709	1C	11
SVDEF_RD_EXT_SIZ	FA		SVDEF_SP730	1C	13
SVDEF_RD_SECTION	1C	7	SVDEF_SP750	1C	15
SVDEF_RESERVED_R08	1C	9	SVDEF_SP760	1C	17
SVDEF_RESERVED_R09	1C	A	SVDEF_SP770	1C	19
SVDEF_RESERVED_R11	1C	C	SVDEF_SP790	1C	1D
SVDEF_RESERVED_R13	1C	E	SVDEF_WD_EXT_NUM	E0	
SVDEF_RESERVED_R14	1C	F	SVDEF_WD_EXT_OFF	DC	
SVDEF_RESERVED_R15	1C	10	SVDEF_WD_EXT_SIZ	E2	
SVDEF_RESERVED_R16	1C	11	SVDEF_WD_SECTION	1C	3
SVDEF_RESERVED_R17	1C	12	SVDEFALC	0	20
SVDEF_RG_EXT_NUM	F0		SVDEFALS	0	40
SVDEF_RG_EXT_OFF	EC		SVDEFAVG	0	40
SVDEF_RG_EXT_SIZ	F2		SVDEFKAN	58	
SVDEF_RG_SECTION	1C	6	SVDEFCAO	54	
SVDEF_RGA_EXT_NUM	108		SVDEFCAS	5A	
SVDEF_RGA_EXT_OFF	104		SVDEFKAT	1B	
SVDEF_RGA_EXT_SIZ	10A		SVDEFKDE	8	
SVDEF_RGA_SECTION	1C	9	SVDEFKGN	10	
SVDEF_RTU_HOUR	1C	4	SVDEFKIT	38	
SVDEF_RTU_MINUTE	1C	3	SVDEFKIU	30	
SVDEF_RTU_MS	1C	1	SVDEFKLA	0	
			SVDEFKLA_LEN	1B	20
			SVDEFKCN	40	
			SVDEFKCNM	0	
			SVDEFKNO	64	
			SVDEFKNS	68	
			SVDEFKCO	3C	
			SVDEFKCON	0	
			SVDEFKCON_LEN	14	30
			SVDEFKPC	1A	80
			SVDEFKPN	18	
			SVDEFKPS	6A	
			SVDEFKPU	4	
			SVDEFKRT	48	
			SVDEFKRU	40	
			SVDEFKCS	42	
			SVDEFKWN	28	
			SVDEFKDM	1	40
			SVDEFKDES	8	
			SVDEFKDL	6	
			SVDEFKDSC	0	10
			SVDEFKDUR	C	
			SVDEFKAY	0	80
			SVDEFKEDL	18	
			SVDEFKEDN	8	
			SVDEFKEDO	1C	
			SVDEFKEDP	4	

IWMSVDEF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVDEFEFL	0		SVDEFROB	8	
SVDEFEMS	0		SVDEFRPN	8	
SVDEFEMS_LEN	300	300	SVDEFRRRT	40	
SVDEFEPN	10		SVDEFRRU	38	
SVDEFEXT	0		SVDEFRRS	52	
SVDEFEXT_LEN	1C	20	SVDEFRTU	1	
SVDEFFLG	1A		SVDEFSCCL	0	
SVDEFFL1	0		SVDEFSCCL_LEN	48	50
SVDEFFL2	1		SVDEFSCN	0	
SVDEFFL3	2		SVDEFSCO	0	80
SVDEFFL4	3		SVDEFSSIZ	28	
SVDEFGAN	60		SVDEFSSKN	108	
SVDEFGAO	5C		SVDEFSPN	8	
SVDEFGAS	62		SVDEFSRB	10	
SVDEFGDE	8		SVDEFSSYN	200	
SVDEFGIT	30		SVDEFSTDI	74	
SVDEFGIU	28		SVDEFSTYP	0	
SVDEFGLT	18		SVDEFVAL	8	
SVDEFGMN	10		SVDEFVEL	0	20
SVDEFGMX	14		SVDEFVID	0	
SVDEFGN	48		SVDEFWDE	8	
SVDEFGNM	0		SVDEFWIT	30	
SVDEFGO	44		SVDEFWIU	28	
SVDEFGPC	18	8	SVDEFWKL	0	
SVDEFGPV	18	10	SVDEFWKL_LEN	40	48
SVDEFGRP	0		SVDEFWLN	38	
SVDEFGRP_LEN	40	48	SVDEFWNM	0	
SVDEFGRU	38		SVDEFWNO	34	
SVDEFGRS	4A		SVDEFWRT	40	
SVDEFHDR	0		SVDEFWRU	38	
SVDEFHDR_LEN	15C	160	SVDEFWRS	3A	
SVDEFID	6C		SVDEFWVN	5	
SVDEFIDN	6C				
SVDEFIDS	84				
SVDEFIDU	7C				
SVDEFIMP	4				
SVDEFIOC	8				
SVDEFIOE	1	20			
SVDEFIOM	1	80			
SVDEFIPG	1A	40			
SVDEFLLVL	4				
SVDEFMNS	18	40			
SVDEFMSO	C				
SVDEFMXS	18	80			
SVDEFNAM	0				
SVDEFNSY	1FC				
SVDEFNDA	0				
SVDEFNDA_LEN	C	10			
SVDEFNDE	8				
SVDEFNPER	2				
SVDEFNPII	30				
SVDEFNPIU	28				
SVDEFNPN	30				
SVDEFNPNM	0				
SVDEFNPO	2C				
SVDEFNPOL	0				
SVDEFNPOL_LEN	40	48			
SVDEFNPRC	0	80			
SVDEFNPRO	AC				
SVDEFNPRU	40				
SVDEFNPRU	38				
SVDEFNPS	32				
SVDEFNRCCL	0				
SVDEFNRCCL_LEN	40	48			
SVDEFNRDE	8				
SVDEFNRGA	0				
SVDEFNRGA_LEN	1C	20			
SVDEFNRGN	0				
SVDEFNRIT	30				
SVDEFNRUI	28				
SVDEFNRN	50				
SVDEFNRNM	0				
SVDEFNRO	4C				

IWMSVIDS Information

IWMSVIDS Programming Interface information

Programming Interface information

IWMSVIDS

End of Programming Interface information

IWMSVIDS Heading Information • IWMSVIDS Map

IWMSVIDS Heading Information

Common Name: WLM Service Definition identifier mappings
Macro ID: IWMSVIDS
DSECT Name: SVIDSSVP (DSECT name of service policy id mapping)

 SVIDSSVD (DSECT name of service definition id mapping)

 SVIDSPRD (DSECT name of product id mapping)
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Above 16M line
Size: Determined at run time
Created by: N/A
Pointed to by: R1 and AR1
Serialization: None
Function: Contains mappings for data returned from the IWMCQRY and IWMDINST services.
 SVIDSSVP (DSECT name of service policy id mapping)
 -This is used to map the output returned via the POLICY_ID keyword of the IWMCQRY service.
 SVIDSSVD (DSECT name of service definition id mapping)
 -This is used to map the output returned via the QRY_BASEID keyword on the IWMDINST service.
 SVIDSPRD (DSECT name of product id mapping)
 -This is used to map the output returned via the PRODUCT_ID keyword on the IWMDINST service.
 All timestamps are local time expressed in STCK format.

IWMSVIDS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVIDSSVP	Service policy id mapping
0	(0)	CHARACTER	8	SVIDSSVP_NAME	Service policy name
8	(8)	CHARACTER	8	SVIDSSVP_TIMESTAMP	Activation timestamp
8	(8)	X'10'	0	SVIDSSVP_LEN	""-SVIDSSVP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVIDSSVD	Service definition id mapping
0	(0)	CHARACTER	8	SVIDSSVD_NAME	Service definition name
8	(8)	CHARACTER	8	SVIDSSVD_TIMESTAMP	Installation timestamp
16	(10)	CHARACTER	8	SVIDSSVD_USERID	Userid that installed the service definition
24	(18)	CHARACTER	8	SVIDSSVD_SYSTEM_NAME	System on which the installation was done
24	(18)	X'20'	0	SVIDSSVD_LEN	""-SVIDSSVD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVIDSPRD	Product id mapping
0	(0)	CHARACTER	8	SVIDSPRD_NAME	Product name
8	(8)	CHARACTER	8	SVIDSPRD_VERSION	Version
16	(10)	CHARACTER	16	SVIDSPRD_SANDBOX	Product sandbox
16	(10)	X'20'	0	SVIDSPRD_LEN	""-SVIDSPRD"

IWMSVIDS Cross Reference

Name	Hex Offset	Hex Value
SVIDSPRD	0	
SVIDSPRD_LEN	10	20
SVIDSPRD_NAME		
	0	
SVIDSPRD_SANDBOX		
	10	
SVIDSPRD_VERSION		
	8	
SVIDSSVD	0	
SVIDSSVD_LEN	18	20
SVIDSSVD_NAME		
	0	
SVIDSSVD_SYSTEM_NAME		
	18	
SVIDSSVD_TIMESTAMP		
	8	
SVIDSSVD_USERID		
	10	
SVIDSSVP	0	
SVIDSSVP_LEN	8	10
SVIDSSVP_NAME		
	0	
SVIDSSVP_TIMESTAMP		
	8	

IWMSVNPA Information

IWMSVNPA Programming Interface information

Programming Interface information

IWMSVNPA

End of Programming Interface information

IWMSVNPA Heading Information • IWMSVNPA Map

IWMSVNPA Heading Information

Common Name: WLM Service Definition Notepad mapping
Macro ID: IWMSVNPA
DSECT Name: SVNPAHDR SVNPADAT
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVNPA
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: offset within SERVD (IWMSEKVD) mapping
Serialization: None
Function: Contains service definition notepad information

IWMSVNPA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVNPAHDR	Notepad area
0	(0)	CHARACTER	4	SVNPANAM	Eyecatcher is SVNPA
4	(4)	BITSTRING	1	SVNPALVL	Functionality level of the SVDCR.

Comment

The functionality level defines the highest level of WLM function@P1A that exists in the SVDCR.

End of Comment

5	(5)	BITSTRING	1	SVNPAWVN	WLM version number
6	(6)	SIGNED	2	SVNPADIL	Size of header
8	(8)	SIGNED	4	SVNPASIZ	Size in bytes of notepad area
12	(C)	SIGNED	4	SVNPANDO	Offset of notepad data if number of notepad data entries is nonzero (otherwise this field is ignored)
16	(10)	SIGNED	2	SVNPANDN	Number of notepad data entries
18	(12)	SIGNED	2	SVNPANDS	Size of notepad data entry
18	(12)	X'14'	0	SVNPAHDR_LEN	**-SVNPAHDR"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVNPADAT	Notepad data section
0	(0)	CHARACTER	80	SVNPANPD	Notepad data

Comment

Constants

End of Comment

0	(0)	X'E5D5D7'	0	SVNPA_ID	"C'SVNPA'" 'SVNPA' identifier
0	(0)	X'1'	0	SVNPA_LEVEL001	"1" Functionality level introduced by WLM in SP510.
0	(0)	X'1'	0	SVNPA_SP510	"1" WLM SP510 version
0	(0)	X'2'	0	SVNPA_LEVEL002	"2" Functionality level introduced by WLM in SP520.
0	(0)	X'2'	0	SVNPA_SP520	"2" WLM SP520 version
0	(0)	X'3'	0	SVNPA_LEVEL003	"3" Functionality level introduced by WLM in OS/390 V1R3
0	(0)	X'3'	0	SVNPA_SP530	"3" WLM version number for OS/390 V1R3
0	(0)	X'4'	0	SVNPA_LEVEL004	"4" Functionality level introduced by WLM in OS/390 V2R4
0	(0)	X'4'	0	SVNPA_SP604	"4" WLM version number for OS/390 V2R4
0	(0)	X'5'	0	SVNPA_LEVEL005	"5" Functionality level introduced by WLM in OS/390 V2R5
0	(0)	X'5'	0	SVNPA_SP605	"5" WLM version number for OS/390 V2R5
0	(0)	X'6'	0	SVNPA_LEVEL006	"6" Functionality level introduced by WLM in OS/390 V2R6
0	(0)	X'6'	0	SVNPA_SP606	"6" WLM version number for OS/390 V2R6
0	(0)	X'7'	0	SVNPA_LEVEL007	"7" Functionality level introduced by WLM in OS/390 V2R7

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'7'	0	SVNPA_SP607	"7" WLM version number for OS/390 V2R7
0	(0)	X'8'	0	SVNPA_LEVEL008	"8" Functionality level introduced by WLM in OS/390 V2R7
0	(0)	X'8'	0	SVNPA_SP608	"8" WLM version number for OS/390 V2R7
0	(0)	X'9'	0	SVNPA_LEVEL009	"9" Functionality level reserved for WLM OS/390 V2R8
0	(0)	X'9'	0	SVNPA_RESERVED_R08	"9" WLM version number reserved for OS/390 V2R8
0	(0)	X'A'	0	SVNPA_LEVEL010	"10" Functionality level reserved for WLM OS/390 V2R9
0	(0)	X'A'	0	SVNPA_RESERVED_R09	"10" WLM version number reserved for OS/390 V2R9
0	(0)	X'B'	0	SVNPA_LEVEL011	"11" Functionality level introduced by WLM in OS/390 V2R10
0	(0)	X'B'	0	SVNPA_SP703	"11" WLM version number for OS/390 V2R10
0	(0)	X'C'	0	SVNPA_LEVEL012	"12" Functionality level reserved for WLM OS/390 V2R11
0	(0)	X'C'	0	SVNPA_RESERVED_R11	"12" WLM version number reserved for OS/390 V2R11
0	(0)	X'D'	0	SVNPA_LEVEL013	"13" Functionality level introduced by WLM in OS/390 V2R12
0	(0)	X'D'	0	SVNPA_SP705	"13" WLM version number for OS/390 V2R12
0	(0)	X'E'	0	SVNPA_LEVEL014	"14" Functionality level reserved for WLM z/OS V1R3
0	(0)	X'E'	0	SVNPA_RESERVED_R13	"14" WLM version number reserved for z/OS V1R3
0	(0)	X'F'	0	SVNPA_LEVEL015	"15" Functionality level reserved for WLM z/OS V1R4
0	(0)	X'F'	0	SVNPA_RESERVED_R14	"15" WLM version number reserved for z/OS V1R4
0	(0)	X'10'	0	SVNPA_LEVEL016	"16" Functionality level reserved for WLM z/OS V1R5
0	(0)	X'10'	0	SVNPA_RESERVED_R15	"16" WLM version number reserved for z/OS V1R5
0	(0)	X'11'	0	SVNPA_LEVEL017	"17" Functionality level introduced by WLM in z/OS V1R6
0	(0)	X'11'	0	SVNPA_SP709	"17" WLM version number for z/OS V1R6
0	(0)	X'11'	0	SVNPA_RESERVED_R16	"17" WLM version number reserved for z/OS V1R6
0	(0)	X'12'	0	SVNPA_LEVEL018	"18" Functionality level reserved for WLM z/OS V1R7
0	(0)	X'12'	0	SVNPA_RESERVED_R17	"18" WLM version number reserved for z/OS V1R7
0	(0)	X'13'	0	SVNPA_LEVEL019	"19" Functionality level introduced for WLM z/OS V1R8
0	(0)	X'13'	0	SVNPA_SP730	"19" WLM version number introduced for z/OS V1R8
0	(0)	X'14'	0	SVNPA_LEVEL020	"20" Functionality level reserved for WLM z/OS V1R8
0	(0)	X'14'	0	SVNPA_RESERVED_R18	"20" WLM version number reserved for z/OS V1R8
0	(0)	X'15'	0	SVNPA_LEVEL021	"21" Functionality level introduced for WLM z/OS V1R10
0	(0)	X'16'	0	SVNPA_RESERVED_R110	"22" WLM version number reserved for z/OS V1R10
0	(0)	X'17'	0	SVNPA_LEVEL023	"23" Functionality level introduced for WLM z/OS V1R11
0	(0)	X'19'	0	SVNPA_LEVEL025	"25" Functionality level introduced for WLM z/OS V1R12
0	(0)	X'1D'	0	SVNPA_LEVEL029	"29" Functionality level introduced for WLM z/OS V2R1
0	(0)	X'15'	0	SVNPA_SP750	"21" WLM version number introduced for z/OS V1R10
0	(0)	X'17'	0	SVNPA_SP760	"23" WLM version number introduced for z/OS V1R11
0	(0)	X'19'	0	SVNPA_SP770	"25" WLM version number introduced for z/OS V1R12
0	(0)	X'1D'	0	SVNPA_SP790	"29" WLM version number introduced for z/OS V2R1
0	(0)	X'1D'	0	SVNPA_CURRENT_VER	"29" Current version level used when checking functionality within WLM product
0	(0)	X'3E8'	0	SVNPA_MAX_NOTEPAD_ENTRIES	"1000" Maximum number of notepad entries allowed per service definition
0	(0)	X'28'	0	SVNPA_SECTION	"40" IWMSVNPA.587: symbolic constant
0	(0)	X'29'	0	SVNPA_HDR_SECTION	"41" IWMSVNPA.596: symbolic constant
0	(0)	X'2A'	0	SVNPA_DAT_SECTION	"42" IWMSVNPA.605: symbolic constant

IWMSVNPA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'50'	0	SVNPADAT_LEN	""-SVNPADAT"

IWMSVNPA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVNPA_CURRENT_VER	0	1D	SVNPA_RESERVED_R14	0	F
SVNPA_DAT_SECTION	0	2A	SVNPA_RESERVED_R15	0	10
SVNPA_HDR_SECTION	0	29	SVNPA_RESERVED_R16	0	11
SVNPA_ID	0	E5D5D7	SVNPA_RESERVED_R17	0	12
SVNPA_LEVEL001	0	1	SVNPA_RESERVED_R18	0	14
SVNPA_LEVEL002	0	2	SVNPA_SECTION	0	28
SVNPA_LEVEL003	0	3	SVNPA_SP510	0	1
SVNPA_LEVEL004	0	4	SVNPA_SP520	0	2
SVNPA_LEVEL005	0	5	SVNPA_SP530	0	3
SVNPA_LEVEL006	0	6	SVNPA_SP604	0	4
SVNPA_LEVEL007	0	7	SVNPA_SP605	0	5
SVNPA_LEVEL008	0	8	SVNPA_SP606	0	6
SVNPA_LEVEL009	0	9	SVNPA_SP607	0	7
SVNPA_LEVEL010	0	A	SVNPA_SP608	0	8
SVNPA_LEVEL011	0	B	SVNPA_SP703	0	B
SVNPA_LEVEL012	0	C	SVNPA_SP705	0	D
SVNPA_LEVEL013	0	D	SVNPA_SP709	0	11
SVNPA_LEVEL014	0	E	SVNPA_SP730	0	13
SVNPA_LEVEL015	0	F	SVNPA_SP750	0	15
SVNPA_LEVEL016	0	10	SVNPA_SP760	0	17
SVNPA_LEVEL017	0	11	SVNPA_SP770	0	19
SVNPA_LEVEL018	0	12	SVNPA_SP790	0	1D
SVNPA_LEVEL019	0	13	SVNPADAT	0	
SVNPA_LEVEL020	0	14	SVNPADAT_LEN	0	50
SVNPA_LEVEL021	0	15	SVNPADIL	6	
SVNPA_LEVEL022	0	16	SVNPAHDR	0	
SVNPA_LEVEL023	0	17	SVNPAHDR_LEN	12	14
SVNPA_LEVEL024	0	18	SVNPALVL	4	
SVNPA_LEVEL025	0	19	SVNPANAM	0	
SVNPA_LEVEL026	0	20	SVNPANDN	10	
SVNPA_LEVEL027	0	21	SVNPANDO	C	
SVNPA_LEVEL028	0	22	SVNPANDS	12	
SVNPA_LEVEL029	0	23	SVNPANPD	0	
SVNPA_MAX_NOTEPAD_ENTRIES	0	3E8	SVNPASIZ	8	
SVNPA_RESERVED_R08	0	9	SVNPAWVN	5	
SVNPA_RESERVED_R09	0	A			
SVNPA_RESERVED_R11	0	C			
SVNPA_RESERVED_R110	0	16			
SVNPA_RESERVED_R13	0	E			

IWMSVPCD Information

IWMSVPCD Programming Interface information

Programming Interface information

IWMSVPCD

End of Programming Interface information

IWMSVPCD Heading Information • IWMSVPCD Cross Reference

IWMSVPCD Heading Information

Common Name: IWMWQRY Answer Area
Macro ID: IWMSVPCD
DSECT Name: SVPCDHD
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVPC
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: R1 and AR1
Serialization: None
Function: Contains service policy information

IWMSVPCD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPCD_MAP	
0	(0)	CHARACTER	4	SVPCDNAM	IWMSVPCD.13: Eyecatcher - SVCD
4	(4)	CHARACTER	3	SVPCDRS1	IWMSVPCD.590: Reserved
7	(7)	BITSTRING	1	SVPCDDVN	IWMSVPCD.19: Version
8	(8)	SIGNED	2	SVPCDDIL	IWMSVPCD.25: Length of header section
10	(A)	CHARACTER	2	SVPCDRS2	IWMSVPCD.596: Reserved
12	(C)	SIGNED	4	SVPCDDLE	IWMSVPCD.31: Length of SVPCD
16	(10)	SIGNED	4	SVPCDDCO	IWMSVPCD.37: Service class section offset
20	(14)	SIGNED	2	SVPCDDCL	IWMSVPCD.43: Length of the service class entry
22	(16)	SIGNED	2	SVPCDDPL	IWMSVPCD.61: Length of each period entry
22	(16)	X'18'	0	SVPCD_MAP_LEN	
					**SVPCD_MAP"

IWMSVPCD Cross Reference

Name	Hex Offset	Hex Value
SVPCD_MAP	0	
SVPCD_MAP_LEN	16	18
SVPCDDCL	14	
SVPCDDCO	10	
SVPCDDIL	8	
SVPCDDLE	C	
SVPCDDPL	16	
SVPCDDVN	7	
SVPCDNAM	0	
SVPCDRS1	4	
SVPCDRS2	A	

IWMSVPOL Information

IWMSVPOL Programming Interface information

Programming Interface information

IWMSVPOL

End of Programming Interface information

IWMSVPOL Heading Information • IWMSVPOL Map

IWMSVPOL Heading Information

Common Name: IWMPQRY Answer Area
Macro ID: IWMSVPOL
DSECT Name: SVPOLHD SVPOLSP SVPOLWD SVPOLCD SVPOLPD SVPOLRG SVPOLRD SVPOLMS SVPOLSN
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVPO
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: Determined at run time
Created by: IWMPQRY service
Pointed to by: IWMPQRY parameter list
Serialization: None
Function: Contains service policy information
 All timestamps are local time expressed in @PQC0795
 STCK format. @PQC0795

IWMSVPOL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLHD	IWMPQRY Answer area
0	(0)	CHARACTER	4	SVPOLNAM	Eyecatcher - SVPO
4	(4)	BITSTRING	1	SVPOLLVL	Functionality level of the SVPOL. The functionality level defines the highest level of the WLM function that exists in the SVPOL.
5	(5)	BITSTRING	1	SVPOLWVN	WLM version number
6	(6)	SIGNED	2	SVPOLDIL	Length of header section
8	(8)	SIGNED	4	SVPOLDLE	Total length of the active service policy data structure
12	(C)	SIGNED	4	SVPOLDPO	Offset to the service policy definition section
16	(10)	SIGNED	2	SVPOLDPL	Length of the policy entry in the policy section
18	(12)	SIGNED	2	SVPOLRS2	Reserved
20	(14)	SIGNED	4	SVPOLDWO	Offset to the workload definition section
24	(18)	SIGNED	2	SVPOLDWC	Number of workload entries in the workload definition section
26	(1A)	SIGNED	2	SVPOLDWL	Length of each workload entry
28	(1C)	SIGNED	4	SVPOLDCO	Offset to the service class definition section
32	(20)	SIGNED	2	SVPOLDCC	Number of service class entries in the service class definition section
34	(22)	SIGNED	2	SVPOLDCL	Length of each service class definition entry
36	(24)	SIGNED	4	SVPOLDZO	Offset of service class period entries
40	(28)	SIGNED	2	SVPOLDZC	Number of service class periods
42	(2A)	SIGNED	2	SVPOLDZL	Length of each service class period entry
44	(2C)	SIGNED	4	SVPOLDRO	Offset to the report class definition section
48	(30)	SIGNED	2	SVPOLDRC	Number of report class entries in the report class definition section
50	(32)	SIGNED	2	SVPOLDRL	Length of each report class definition entry
52	(34)	SIGNED	4	SVPOLDGO	Offset to the resource group definition section
56	(38)	SIGNED	2	SVPOLDGC	Number of resource group entries in the resource group definition
58	(3A)	SIGNED	2	SVPOLDGL	Length of each resource group definition entry
60	(3C)	BITSTRING	1	SVPOLFL1 (0)	boolean byte flag
		1...		SVPOLSH2	"X'80" Indicate whether SYSH contain rule, service class or report class
		.1..		SVPOLEWL	"X'40" Indicate whether policy contains EWLM policy element
		..1.		SVPOLEWM	"X'20" Indicate whether policy contains EWLM managed server configuration
		...1		SVPOLEWU	"X'10" Indicator that contained EWLM policy elements has changed
61	(3D)	BITSTRING	3	SVPOLRS3	Reserved

Comment

The following two triplets were introduced with z/OS V1R11 (LEVEL023). Triplets may not be present and must not be accessed when SVPOLLVL (functionality level) is less than 23.

End of Comment

64	(40)	SIGNED	4	SVPOLEMO	Offset to Guest platform management provider (GPMP) settings
68	(44)	SIGNED	2	SVPOLEMC	Number of GPMP settings entries
70	(46)	SIGNED	2	SVPOLEML	Length of GPMP settings entry
72	(48)	SIGNED	4	SVPOLESO	Offset to system names to be excluded from GPMP activation
76	(4C)	SIGNED	2	SVPOLESC	Number of system names to be excluded from GPMP activation
78	(4E)	SIGNED	2	SVPOLESLS	Length of system name to be excluded from GPMP activation
78	(4E)	X'50'	0	SVPOLHD_LEN	**-SVPOLHD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLSP	Service policy section
0	(0)	CHARACTER	8	SVPOLNSP	Service policy name
8	(8)	CHARACTER	32	SVPOLDSP	Service policy description
40	(28)	CHARACTER	8	SVPOLTPA	Time/date (STCK format) of policy activation
48	(30)	CHARACTER	8	SVPOLIPU	Userid of the system operator or service administrator who activated the service policy
56	(38)	CHARACTER	8	SVPOLSNA	Name of the system on which policy activation was initiated
64	(40)	SIGNED	4	SVPOLSEQ	Classification sequence number Removed svpolsqn added in OW43718.
68	(44)	SIGNED	4	SVPOLASN	Activation sequence number
72	(48)	CHARACTER	32	SVPOLSVD (0)	SVDEF ID information (next 4 fields) of service definition from which this policy was extracted
72	(48)	CHARACTER	8	SVPOLIDN	Name of the service definition from which the service policy was extracted
80	(50)	CHARACTER	8	SVPOLTDI	Time/date (STCK format) that the service definition was installed
88	(58)	CHARACTER	8	SVPOLIDU	Userid of the service administrator who installed the service definition
96	(60)	CHARACTER	8	SVPOLIDS	Name of the system on which the service definition was installed
104	(68)	CHARACTER	32	SVPOLIDD	Description of service definition from which the service policy was extracted
136	(88)	SIGNED	4	SVPOLCPU	CPU service coefficient *10000 - the number by which accumulated CPU service units will be multiplied (weighted)
140	(8C)	SIGNED	4	SVPOLIOC	I/O service coefficient * 10000 - the number by which accumulated I/O service units will be multiplied (weighted)
144	(90)	SIGNED	4	SVPOLMSO	Storage service coefficient (MSO) * 10000 - the number by which accumulated storage service units will be multiplied (weighted)
148	(94)	SIGNED	4	SVPOLSRB	SRB service coefficient * 10000 - the number by which accumulated SRB service units will be multiplied (weighted)
152	(98)	CHARACTER	4	SVPOLECP	EBCDIC representation of CPU service coefficient
156	(9C)	CHARACTER	4	SVPOLEIO	EBCDIC representation of I/O service coefficient
160	(A0)	CHARACTER	8	SVPOLEMS	EBCDIC representation of Storage service coefficient
168	(A8)	CHARACTER	4	SVPOLESR	EBCDIC representation of SRB service coefficient
172	(AC)	BITSTRING	1	SVPOLFL2 (0)	SVDEFFL2
		1... ..		SVPOLIOM	"X'80" When set indicates that we should include the I/O delays in the execution velocity
		.1..		SVPOLDAM	"X'40" When set indicates dynamic alias tuning available
		..1.		SVPOLIOE	"X'20" When set indicates I/O priority groups are enabled
173	(AD)	CHARACTER	3	SVPOLRS5	Reserved
176	(B0)	CHARACTER	64	SVPOLENM	EWLM Policy Name (EBCDIC)
240	(F0)	CHARACTER	64	SVPOLEVR	EWLM Policy Version (EBCDIC)
304	(130)	CHARACTER	16	SVPOLEPU	EWLM Policy UUID
320	(140)	CHARACTER	16	SVPOLEMU	EWLM Mgmt Server UUID
336	(150)	SIGNED	2	SVPOLESQ	EWLM Policy Seq. Num.
338	(152)	SIGNED	2	SVPOLEPI	EWLM Policy ID
340	(154)	SIGNED	2	SVPOLESI	EWLM Server ID
342	(156)	SIGNED	2	SVPOLENW	Number of EWLM Workloads
344	(158)	SIGNED	2	SVPOLENS	Number of EWLM Service Classes
346	(15A)	SIGNED	2	SVPOLENP	Number of EWLM Service Class Periods
348	(15C)	CHARACTER	8	SVPOLLEAT	EWLM policy activation time. Microseconds since 1.Jan.1970
356	(164)	CHARACTER	40	SVPOLCPG	Codepage used for service definition.
356	(164)	X'18C'	0	SVPOLSP_LEN	"*-SVPOLSP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLWD	Workload definition section
0	(0)	CHARACTER	8	SVPOLWNM	Workload name
8	(8)	CHARACTER	32	SVPOLWDE	Workload description
40	(28)	CHARACTER	64	SVPOLWEN	EWLM Workload name (EBCDIC)
104	(68)	BITSTRING	1	SVPOLWFL (0)	boolean byte flag
		1... ..		SVPOLWEW	"X'80" Indicate whether workload is an EWLM workload
105	(69)	BITSTRING	3	SVPOLWRS	Reserved
105	(69)	X'6C'	0	SVPOLWD_LEN	"*-SVPOLWD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLCD	Service class definition section
0	(0)	CHARACTER	8	SVPOLCNM	Service class name
8	(8)	CHARACTER	32	SVPOLCDE	Service class description
40	(28)	CHARACTER	8	SVPOLCWN	Name of the workload this service class is associated with
48	(30)	CHARACTER	8	SVPOLCRN	Name of the resource group this service class is associated with - blanks if no resource group association
56	(38)	SIGNED	4	SVPOLCPO	Offset of service class period entries for this service class
60	(3C)	SIGNED	2	SVPOLCPN	Number of service class periods for this service class
62	(3E)	BITSTRING	2	SVPOLCFL (0)	Class flags

IWMSVPOL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		SVPOLCDH	"X'80" Indicate class histories should be discarded
		.1.		SVPOLCPC	"X'40" Indicator for CPU critical
		..1.		SVPOLSTR	"X'20" Indicator for Storage Protection
		...1		SVPOLTRA	"X'10" Indicator for whether this service class is used in any transaction subsystem type
		.... 1..		SVPOLADR	"X'08" Indicator for whether this service class is used in any address space subsystem type
		.... .1.		SVPOLENC	"X'04" Indicator for whether this service class is used in any enclave subsystem type
		.... ..1.		SVPOLSYH	"X'02" Indicator for whether this service class is used in non- MVS logical partitions ie. SYSH
		.... ...1		SVPOLIPG	"X'01" Indicator for I/O priority group
64	(40)	SIGNED	4	SVPOLCGI	Resource group index - the index of the resource group entry in SVPOL of the resource group to which this service class belongs
68	(44)	SIGNED	4	SVPOLCWI	Workload index - the index of the workload entry in SVPOL of the workload to which this service class belongs
72	(48)	CHARACTER	64	SVPOLCEN	EWLM Service Class name (EBCDIC)
136	(88)	CHARACTER	2		Reserved
138	(8A)	SIGNED	2	SVPOLCEK	EWLM Service Class key
140	(8C)	BITSTRING	1	SVPOLCEF (0)	boolean byte flag
		1... ..		SVPOLCEW	"X'80" Indicate whether service class is an EWLM workload
141	(8D)	BITSTRING	1	SVPOLCRS	Reserved
142	(8E)	SIGNED	2	SVPOLCSI	EWLM Server ID
142	(8E)	X'90'	0	SVPOLCD_LEN	""-SVPOLCD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLPD	Service class period definition information
0	(0)	BITSTRING	4	SVPOLTYP (0)	Goal type indicators - mutually exclusive
		1... ..		SVPOLPRC	"X'80" Percentile response time goal
		.1.		SVPOLAVG	"X'40" Average response time goal
		..1.		SVPOLVEL	"X'20" Velocity goal
		...1		SVPOLDSC	"X'10" Discretionary goal
		.... 1..		SVPOLSTM	"X'08" System goal
4	(4)	BITSTRING	1	SVPOLTFL (0)	boolean byte flag
		1... ..		SVPOLTEW	"X'80" Goal derived from EWLM policy
5	(5)	BITSTRING	1	SVPOLRTU	Response time unit indicator indicating the units in which SVPOLVAL is expressed. See constants SVPOLRT* for values
6	(6)	SIGNED	2	SVPOLPER	Goal percentile value
8	(8)	SIGNED	2	SVPOLIMP	Importance level ranging from 1 to 5 where 1 is most important
10	(A)	SIGNED	2	SVPOLRS8	Reserved
12	(C)	SIGNED	4	SVPOLVAL	Response time goal or velocity goal. Zero if discretionary or system goal or no goal defined.
16	(10)	SIGNED	4	SVPOLDUR	Service class period duration in service units, or zero for last period
16	(10)	X'14'	0	SVPOLPD_LEN	""-SVPOLPD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLRG	Resource group definition section
0	(0)	CHARACTER	8	SVPOLGNM	Resource group name
8	(8)	CHARACTER	32	SVPOLGDE	Resource group description
40	(28)	SIGNED	4	SVPOLGMN	If SVPOLMNS = 1, this field contains information about the minimum capacity of the resource group. (a) If both SVPOLGPV / SVPOLGPC are '0'b, the value in SVPOLGMN is in unweighted CPU service units per second. In this case the scope of the resource group and the minimum value is sysplex-wide (b) If SVPOLGPV = '1'B the value is in percentage of the LPAR share. See description of SVPOLGPV below. (c) If SVPOLGPC = '1'B the value is in percentage of a single CP capacity. See descr. of SVPOLGPC below.
44	(2C)	SIGNED	4	SVPOLGMX	If SVPOLMXS = 1, this field contains information about the maximum capacity of the resource group. (a) If both SVPOLGPV / SVPOLGPC are '0'b, the value in SVPOLGMX is in unweighted CPU service units per second. In this case the scope of the resource group and the minimum value is sysplex-wide. (b) If SVPOLGPV = '1'B the value is in percentage of the LPAR share. See description of SVPOLGPV below. (c) If SVPOLGPC = '1'B the value is in percentage of a single CP capacity. See descr. of SVPOLGPC below.
48	(30)	BITSTRING	4	SVPOLGLT (0)	Indicators
		1... ..		SVPOLMXS	"X'80" Maximum capacity was specified
		.1.		SVPOLMNS	"X'40" Minimum capacity was specified
		..1.		SVPOLGSD	"X'20" Internally used only

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		SVPOLGPV	"X'10" The specification of the min (SVPOLGMN) and the max(SVPOLGMX) capacity is in percentage of the LPAR share rather than in service units. The scope of the RG is system-wide rather than sysplex-wide
		.... 1...		SVPOLGPC	"X'08" The specification of the min (SVPOLGMN) and the max(SVPOLGMX) capacity is in percentage of a single processor (CP) capacity = % of RMCTADJC. The scope of the RG is system-wide rather than sysplex-wide
52	(34)	X'34'	0	SVPOLRG_LEN	"*-SVPOLRG"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLRD	report class definition section
0	(0)	CHARACTER	8	SVPOLRNM	report class name
8	(8)	CHARACTER	32	SVPOLRDE	report class description
8	(8)	X'28'	0	SVPOLRD_LEN	"*-SVPOLRD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLMS	GPMP settings
0	(0)	BITSTRING	1	SVPOLEFL (0)	Flags
		1...		SVPOLEAY	"X'80" GPMP should be activated
		.1..		SVPOLALS	"X'40" Reserved
		.1.		SVPOLALC	"X'20" Reserved
1	(1)	BITSTRING	3		Reserved
4	(4)	SIGNED	4	SVPOLEDP	Reserved
8	(8)	CHARACTER	256	SVPOLEDN	Reserved
264	(108)	CHARACTER	240	SVPOLSKN	Reserved
264	(108)	X'1F8'	0	SVPOLMS_LEN	"*-SVPOLMS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPOLSN	Names of systems to be excluded
0	(0)	CHARACTER	8	SVPOLSYN	Name of host system to be excluded

Comment

Constants

End of Comment

0	(0)	X'1'	0	SVPOL_RTU_MS	"1" SVPOLRTU value indicating that SVPOLVAL value is expressed in milliseconds
0	(0)	X'2'	0	SVPOL_RTU_SECOND	"2" SVPOLRTU value indicating that SVPOLVAL value is expressed in seconds
0	(0)	X'3'	0	SVPOL_RTU_MINUTE	"3" SVPOLRTU value indicating that SVPOLVAL value is expressed in minutes
0	(0)	X'4'	0	SVPOL_RTU_HOUR	"4" SVPOLRTU value indicating that SVPOLVAL value is expressed in hours
0	(0)	X'E5D7D6'	0	SVPOL_NAME	"C:SVPO" 'SVPO' acronym
0	(0)	X'1'	0	SVPOL_LEVEL001	"1" Functionality level introduced by WLM in SP510.
0	(0)	X'1'	0	SVPOL_VER510	"1" WLM SP510 version
0	(0)	X'2'	0	SVPOL_LEVEL002	"2" Functionality level introduced by WLM in SP520.
0	(0)	X'2'	0	SVPOL_VER520	"2" WLM SP520 version
0	(0)	X'3'	0	SVPOL_LEVEL003	"3" Functionality level introduced by WLM in OS/390 V1R3
0	(0)	X'3'	0	SVPOL_VER530	"3" WLM version number for OS/390 V1R3
0	(0)	X'4'	0	SVPOL_LEVEL004	"4" Functionality level introduced by WLM in OS/390 V2R4
0	(0)	X'4'	0	SVPOL_VER604	"4" WLM version number for OS/390 V2R4
0	(0)	X'5'	0	SVPOL_LEVEL005	"5" Functionality level introduced by WLM in OS/390 V2R5
0	(0)	X'5'	0	SVPOL_VER605	"5" WLM version number for OS/390 V2R5
0	(0)	X'6'	0	SVPOL_LEVEL006	"6" Functionality level introduced by WLM in OS/390 V2R6
0	(0)	X'6'	0	SVPOL_VER606	"6" WLM version number for OS/390 V2R6
0	(0)	X'7'	0	SVPOL_LEVEL007	"7" Functionality level introduced by WLM in OS/390 V2R7
0	(0)	X'7'	0	SVPOL_VER607	"7" WLM version number for OS/390 V2R7

IWMSVPOL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'8'	0	SVPOL_LEVEL008	"8" Functionality level introduced by WLM in OS/390 V2R7
0	(0)	X'8'	0	SVPOL_VER608	"8" WLM version number for OS/390 V2R7
0	(0)	X'9'	0	SVPOL_LEVEL009	"9" Functionality level reserved for WLM in OS/390 V2R8
0	(0)	X'9'	0	SVPOL_RESERVED_R08	"9" WLM version number reserve for WLM in OS/390 V2R8
0	(0)	X'A'	0	SVPOL_LEVEL010	"10" Functionality level reserved for WLM in OS/390 V2R9
0	(0)	X'A'	0	SVPOL_RESERVED_R09	"10" WLM version number reserved for WLM in OS/390 V2R9
0	(0)	X'B'	0	SVPOL_LEVEL011	"11" Functionality level introduced by WLM in OS/390 V2R10
0	(0)	X'B'	0	SVPOL_VER703	"11" WLM version number for OS/390 V2R10
0	(0)	X'C'	0	SVPOL_LEVEL012	"12" Functionality level reserved for WLM in OS/390 V2R11
0	(0)	X'C'	0	SVPOL_RESERVED_R11	"12" WLM version number reserved for WLM in OS/390 V2R11
0	(0)	X'D'	0	SVPOL_LEVEL013	"13" Functionality level introduced by WLM in OS/390 V2R12
0	(0)	X'D'	0	SVPOL_VER705	"13" WLM version number for OS/390 V2R12
0	(0)	X'E'	0	SVPOL_LEVEL014	"14" Functionality level reserved for WLM in z/OS V1R3
0	(0)	X'E'	0	SVPOL_RESERVED_R13	"14" WLM version number for z/OS V1R3
0	(0)	X'F'	0	SVPOL_LEVEL015	"15" Functionality level reserved for WLM in z/OS V1R4
0	(0)	X'F'	0	SVPOL_RESERVED_R14	"15" WLM version number for z/OS V1R4
0	(0)	X'10'	0	SVPOL_LEVEL016	"16" Functionality level reserved for WLM in z/OS V1R5
0	(0)	X'10'	0	SVPOL_RESERVED_R15	"16" WLM version number for z/OS V1R5
0	(0)	X'11'	0	SVPOL_LEVEL017	"17" Functionality level introduced in WLM for z/OS V1R6
0	(0)	X'11'	0	SVPOL_VER709	"17" WLM version number for z/OS V1R6
0	(0)	X'11'	0	SVPOL_RESERVED_R16	"17" WLM version number reserved for WLM in z/OS V1R6
0	(0)	X'12'	0	SVPOL_LEVEL018	"18" Functionality level reserved for WLM in z/OS V1R7
0	(0)	X'12'	0	SVPOL_RESERVED_R17	"18" WLM version number reserved for WLM in z/OS V1R7
0	(0)	X'13'	0	SVPOL_LEVEL019	"19" Functionality level introduced by WLM in z/OS R8
0	(0)	X'13'	0	SVPOL_VER730	"19" WLM version number for z/OS R8
0	(0)	X'14'	0	SVPOL_LEVEL020	"20" Functionality level reserved for WLM in z/OS V1R8
0	(0)	X'14'	0	SVPOL_RESERVED_R18	"20" WLM version number reserved for WLM in z/OS V1R8
0	(0)	X'15'	0	SVPOL_LEVEL021	"21" Functionality level introduced by WLM in z/OS V1R10
0	(0)	X'15'	0	SVPOL_VER750	"21" WLM version number for z/OS V1R10
0	(0)	X'16'	0	SVPOL_LEVEL022	"22" Functionality level reserved for WLM in z/OS V1R10
0	(0)	X'16'	0	SVPOL_RESERVED_R110	"22" WLM version number reserved for WLM in z/OS V1R10
0	(0)	X'17'	0	SVPOL_LEVEL023	"23" Functionality level introduced by WLM in z/OS V1R11
0	(0)	X'17'	0	SVPOL_VER760	"23" WLM version number for z/OS V1R10
0	(0)	X'19'	0	SVPOL_LEVEL025	"25" Functionality level introduced by WLM in z/OS V1R12
0	(0)	X'19'	0	SVPOL_VER770	"25" WLM version number for z/OS V1R12
0	(0)	X'1D'	0	SVPOL_LEVEL029	"29" Functionality level introduced by WLM in z/OS V2R1
0	(0)	X'1D'	0	SVPOL_VER790	"29" WLM version number for z/OS V2R1
0	(0)	X'1D'	0	SVPOL_CURRENT_VER	"29" Current functionality level used checking functionality within WLM product
0	(0)	X'0'	0	SVPOL_SECTION	"0" IWMSVPOL.698: symbolic constant
0	(0)	X'1'	0	SVPOL_HDR_SECTION	"1" IWMSVPOL.791: symbolic constant
0	(0)	X'2'	0	SVPOL_SP_SECTION	"2" IWMSVPOL.109: symbolic constant
0	(0)	X'3'	0	SVPOL_WD_SECTION	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'4'	0	SVPOL_CD_SECTION	"3" IWMSVPOL.115: symbolic constant
0	(0)	X'5'	0	SVPOL_PD_SECTION	"4" IWMSVPOL.554: symbolic constant
0	(0)	X'6'	0	SVPOL_RG_SECTION	"5" IWMSVPOL.734: symbolic constant
0	(0)	X'7'	0	SVPOL_RD_SECTION	"6" IWMSVPOL.740: symbolic constant
0	(0)	X'8'	0	SVPOL_MS_SECTION	"7" IWMSVPOL.746: symbolic constant
0	(0)	X'9'	0	SVPOL_SN_SECTION	"8" IWMSVPOL.1440: symbolic constant
0	(0)	X'E5D7D6'	0	SVPOL_ID	"9" IWMSVPOL.1265: symbolic constant
0	(0)	X'8'	0	SVPOLSN_LEN	"C'SVPO" IWMSVPOL.489: symbolic constant "-SVPOLSN"

IWMSVPOL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVPOL_CD_SECTION	0	4	SVPOL_LEVEL025	0	19
SVPOL_CURRENT_VER	0	1D	SVPOL_LEVEL029	0	1D
SVPOL_HDR_SECTION	0	1	SVPOL_MS_SECTION	0	8
SVPOL_ID	0	E5D7D6	SVPOL_NAME	0	E5D7D6
SVPOL_LEVEL001	0	1	SVPOL_PD_SECTION	0	5
SVPOL_LEVEL002	0	2	SVPOL_RD_SECTION	0	7
SVPOL_LEVEL003	0	3	SVPOL_RESERVED_R08	0	9
SVPOL_LEVEL004	0	4	SVPOL_RESERVED_R09	0	A
SVPOL_LEVEL005	0	5	SVPOL_RESERVED_R11	0	C
SVPOL_LEVEL006	0	6	SVPOL_RESERVED_R110	0	16
SVPOL_LEVEL007	0	7	SVPOL_RESERVED_R13	0	E
SVPOL_LEVEL008	0	8	SVPOL_RESERVED_R14	0	F
SVPOL_LEVEL009	0	9	SVPOL_RESERVED_R15	0	10
SVPOL_LEVEL010	0	A	SVPOL_RESERVED_R16	0	11
SVPOL_LEVEL011	0	B	SVPOL_RESERVED_R17	0	12
SVPOL_LEVEL012	0	C	SVPOL_RESERVED_R18	0	14
SVPOL_LEVEL013	0	D	SVPOL_RG_SECTION	0	6
SVPOL_LEVEL014	0	E	SVPOL_RTU_HOUR	0	4
SVPOL_LEVEL015	0	F	SVPOL_RTU_MINUTE	0	3
SVPOL_LEVEL016	0	10	SVPOL_RTU_MS	0	1
SVPOL_LEVEL017	0	11	SVPOL_RTU_SECOND	0	2
SVPOL_LEVEL018	0	12	SVPOL_SECTION	0	0
SVPOL_LEVEL019	0	13	SVPOL_SN_SECTION	0	9
SVPOL_LEVEL020	0	14	SVPOL_SP_SECTION	0	2
SVPOL_LEVEL021	0	15	SVPOL_VER510	0	1
SVPOL_LEVEL022	0	16	SVPOL_VER520	0	2
SVPOL_LEVEL023	0	17	SVPOL_VER530	0	3
			SVPOL_VER604	0	4
			SVPOL_VER605	0	5
			SVPOL_VER606	0	6
			SVPOL_VER607	0	7

IWMSVPOL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVPOL_VER608	0	8	SVPOLENP	15A	
SVPOL_VER703	0	B	SVPOLENS	158	
SVPOL_VER705	0	D	SVPOLENW	156	
SVPOL_VER709	0	11	SVPOLEPI	152	
SVPOL_VER730	0	13	SVPOLEPU	130	
SVPOL_VER750	0	15	SVPOLESC	4C	
SVPOL_VER760	0	17	SVPOLESI	154	
SVPOL_VER770	0	19	SVPOLESL	4E	
SVPOL_VER790	0	1D	SVPOLESO	48	
SVPOL_WD_SECTION			SVPOLESQ	150	
	0	3	SVPOLESR	A8	
SVPOLADR	3E	8	SVPOLEVR	F0	
SVPOLALC	0	20	SVPOLEWL	3C	40
SVPOLALS	0	40	SVPOLEWM	3C	20
SVPOLASN	44		SVPOLEWU	3C	10
SVPOLAVG	0	40	SVPOLFL1	3C	
SVPOLCD	0		SVPOLFL2	AC	
SVPOLCD_LEN	8E	90	SVPOLGDE	8	
SVPOLCDE	8		SVPOLGLT	30	
SVPOLCDH	3E	80	SVPOLGMN	28	
SVPOLCEF	8C		SVPOLGMX	2C	
SVPOLCEK	8A		SVPOLGNM	0	
SVPOLCEN	48		SVPOLGPC	30	8
SVPOLCEW	8C	80	SVPOLGPV	30	10
SVPOLCFL	3E		SVPOLGSD	30	20
SVPOLCGI	40		SVPOLHD	0	
SVPOLCNM	0		SVPOLHD_LEN	4E	50
SVPOLCPC	3E	40	SVPOLIDD	68	
SVPOLCPG	164		SVPOLIDN	48	
SVPOLCPN	3C		SVPOLIDS	60	
SVPOLCPO	38		SVPOLIDU	58	
SVPOLCPU	88		SVPOLIMP	8	
SVPOLCRN	30		SVPOLIOC	8C	
SVPOLCRS	8D		SVPOLIOE	AC	20
SVPOLCSI	8E		SVPOLIOM	AC	80
SVPOLCWI	44		SVPOLIPG	3E	1
SVPOLCWN	28		SVPOLIPU	30	
SVPOLDAM	AC	40	SVPOLLVL	4	
SVPOLDCC	20		SVPOLMNS	30	40
SVPOLDCL	22		SVPOLMS	0	
SVPOLDCO	1C		SVPOLMS_LEN	108	1F8
SVPOLDGC	38		SVPOLMSO	90	
SVPOLDGL	3A		SVPOLMXS	30	80
SVPOLDGO	34		SVPOLNAM	0	
SVPOLDIL	6		SVPOLNSP	0	
SVPOLDLE	8		SVPOLPD	0	
SVPOLDPL	10		SVPOLPD_LEN	10	14
SVPOLDPO	C		SVPOLPER	6	
SVPOLDRC	30		SVPOLPRC	0	80
SVPOLDRL	32		SVPOLRD	0	
SVPOLDRO	2C		SVPOLRD_LEN	8	28
SVPOLDSC	0	10	SVPOLRDE	8	
SVPOLDSP	8		SVPOLRG	0	
SVPOLDUR	10		SVPOLRG_LEN	34	34
SVPOLDWC	18		SVPOLRNM	0	
SVPOLDWL	1A		SVPOLRS2	12	
SVPOLDWO	14		SVPOLRS3	3D	
SVPOLDZC	28		SVPOLRS5	AD	
SVPOLDZL	2A		SVPOLRS8	A	
SVPOLDZO	24		SVPOLRTU	5	
SVPOLEAT	15C		SVPOLSEQ	40	
SVPOLEAY	0	80	SVPOLSH2	3C	80
SVPOLECP	98		SVPOLSKN	108	
SVPOLEDN	8		SVPOLSN	0	
SVPOLEDP	4		SVPOLSN_LEN	0	8
SVPOLEFL	0		SVPOLSNA	38	
SVPOLEIO	9C		SVPOLSP	0	
SVPOLEMC	44		SVPOLSP_LEN	164	18C
SVPOLEML	46		SVPOLSRB	94	
SVPOLEMO	40		SVPOLSTM	0	8
SVPOLEMS	A0		SVPOLSTR	3E	20
SVPOLEMU	140		SVPOLSVD	48	
SVPOLENC	3E	4	SVPOLSYH	3E	2
SVPOLENM	B0		SVPOLSYN	0	

Name	Hex Offset	Hex Value
SVPOLTDI	50	
SVPOLTEW	4	80
SVPOLTFL	4	
SVPOLTPA	28	
SVPOLTRA	3E	10
SVPOLTYP	0	
SVPOLVAL	C	
SVPOLVEL	0	20
SVPOLWD	0	
SVPOLWD_LEN	69	6C
SVPOLWDE	8	
SVPOLWEN	28	
SVPOLWEW	68	80
SVPOLWFL	68	
SVPOLWNM	0	
SVPOLWRS	69	
SVPOLWVN	5	

IWMSVPSE Information

IWMSVPSE Programming Interface information

Programming Interface information

IWMSVPSE

End of Programming Interface information

IWMSVPSE Heading Information • IWMSVPSE Map

IWMSVPSE Heading Information

Common Name: WLM Service Policy Scheduling Environment mapping
Macro ID: IWMSVPSE
DSECT Name: SVPSEHDR - SVPSE header SVPSESE - scheduling environments SVPSESR - scheduling environments/resources SVPSERE - resources
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVPA
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: R1 and AR1
Serialization: None
Function: Contains service policy scheduling environments information.
 Also used to map SMF 90 subtype 32 record.

IWMSVPSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPSEHDR	
0	(0)	CHARACTER	4	SVPSE_EYECATCHER	
4	(4)	BITSTRING	1	SVPSE_FUNCTIONALITY_LEVEL	IWMSVPSE.16: Eye catcher for SVPSE - SVPS
5	(5)	BITSTRING	1	SVPSE_WLM_VERSION_NUMBER	IWMSVPSE.22: Functionality level of the SVPSE. The functionality level defines the highest level of WLM function that exists in the SVPSE
6	(6)	SIGNED	2	SVPSE_SIZE_OF_HEADER	IWMSVPSE.28: WLM version number
8	(8)	SIGNED	4	SVPSE_SIZE_OF_WHOLE_SVPSE	IWMSVPSE.34: Size of header section
12	(C)	SIGNED	4	SVPSE_SVPSESEQ	IWMSVPSE.40: Size of the whole scheduling environment section
16	(10)	CHARACTER	56	SVPSE_OFFSETS_AREA (0)	IWMSVPSE.930: Policy activation sequence number - gets bumped for every policy activation when scheduling environment data changes
16	(10)	SIGNED	4	SVPSE_OFFSET_SE	IWMSVPSE.53: SVPSE section offsets area
20	(14)	SIGNED	2	SVPSE_NUMBER_SE	IWMSVPSE.57: Offset of scheduling environment section
22	(16)	SIGNED	2	SVPSE_SIZE_SE	IWMSVPSE.63: Number of scheduling environments
24	(18)	SIGNED	4	SVPSE_OFFSET_SR	IWMSVPSE.69: Size of an scheduling environment entry
28	(1C)	SIGNED	2	SVPSE_NUMBER_SR	IWMSVPSE.76: Offset of scheduling environment- /resource section
30	(1E)	SIGNED	2	SVPSE_SIZE_SR	IWMSVPSE.82: Number of scheduling environment- /resource
32	(20)	SIGNED	4	SVPSE_OFFSET_RE	IWMSVPSE.88: Size of an scheduling environment- /resource section
36	(24)	SIGNED	2	SVPSE_NUMBER_RE	IWMSVPSE.95: Offset of resource section
38	(26)	SIGNED	2	SVPSE_SIZE_RE	IWMSVPSE.101: Number of resources
40	(28)	SIGNED	4	SVPSE_OFFSET_RESERVED1	IWMSVPSE.107: Size of an resource entry
44	(2C)	SIGNED	2	SVPSE_NUMBER_RESERVED1	IWMSVPSE.114: Reserved offset
46	(2E)	SIGNED	2	SVPSE_SIZE_RESERVED1	IWMSVPSE.120: Reserved number
48	(30)	SIGNED	4	SVPSE_OFFSET_RESERVED2	IWMSVPSE.126: Reserved size
52	(34)	SIGNED	2	SVPSE_NUMBER_RESERVED2	IWMSVPSE.133: Reserved offset
54	(36)	SIGNED	2	SVPSE_SIZE_RESERVED2	IWMSVPSE.139: Reserved number
56	(38)	SIGNED	4	SVPSE_OFFSET_RESERVED3	IWMSVPSE.145: Reserved size
					IWMSVPSE.152: Reserved offset

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	SIGNED	2	SVPSE_NUMBER_RESERVED3	IWMSVPSE.158: Reserved number
62	(3E)	SIGNED	2	SVPSE_SIZE_RESERVED3	IWMSVPSE.164: Reserved size
64	(40)	SIGNED	4	SVPSE_OFFSET_RESERVED4	IWMSVPSE.171: Reserved offset
68	(44)	SIGNED	2	SVPSE_NUMBER_RESERVED4	IWMSVPSE.177: Reserved number
70	(46)	SIGNED	2	SVPSE_SIZE_RESERVED4	IWMSVPSE.183: Reserved size
72	(48)	CHARACTER	48	SVPSE_EXT_OFFSETS_AREA (0)	IWMSVPSE.190: SVPSE extension offsets area
72	(48)	SIGNED	4	SVPSE_EXT_DATA_OFF	IWMSVPSE.193: Offset of extended data (0 if no extended data exists)
76	(4C)	SIGNED	4	SVPSE_EXT_DATA_LEN	IWMSVPSE.199: Length of extended data
80	(50)	SIGNED	4	SVPSE_EXT_OFF_SE	IWMSVPSE.205: Offset of scheduling environments extension section if number of scheduling environments extensions is nonzero (otherwise this field is ignored)
84	(54)	SIGNED	2	SVPSE_EXT_NUM_SE	IWMSVPSE.211: Number of scheduling environments extension entries
86	(56)	SIGNED	2	SVPSE_EXT_SIZ_SE	IWMSVPSE.217: Size of each scheduling environments extension entry
88	(58)	SIGNED	4	SVPSE_EXT_OFF_RSV1	IWMSVPSE.223: Offset reserved
92	(5C)	SIGNED	2	SVPSE_EXT_NUM_RSV1	IWMSVPSE.229: Number reserved
94	(5E)	SIGNED	2	SVPSE_EXT_SIZ_RSV1	IWMSVPSE.235: Size reserved
96	(60)	SIGNED	4	SVPSE_EXT_OFF_RSV2	IWMSVPSE.241: Offset reserved
100	(64)	SIGNED	2	SVPSE_EXT_NUM_RSV2	IWMSVPSE.247: Number reserved
102	(66)	SIGNED	2	SVPSE_EXT_SIZ_RSV2	IWMSVPSE.253: Size reserved
104	(68)	SIGNED	4	SVPSE_EXT_OFF_RSV3	IWMSVPSE.259: Offset reserved
108	(6C)	SIGNED	2	SVPSE_EXT_NUM_RSV3	IWMSVPSE.265: Number reserved
110	(6E)	SIGNED	2	SVPSE_EXT_SIZ_RSV3	IWMSVPSE.271: Size reserved
112	(70)	SIGNED	4	SVPSE_EXT_OFF_RSV4	IWMSVPSE.277: Offset reserved
116	(74)	SIGNED	2	SVPSE_EXT_NUM_RSV4	IWMSVPSE.283: Number reserved
118	(76)	SIGNED	2	SVPSE_EXT_SIZ_RSV4	IWMSVPSE.289: Size reserved
120	(78)	SIGNED	4	SVPSE_RESERVED	IWMSVPSE.295: Reserved
160	(A0)	X'A0'	0	SVPSEHDR_LEN	""-SVPSEHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPSESE	
0	(0)	CHARACTER	16	SVPSE_SE_SCHENV_NAME	IWMSVPSE.315: Scheduling environment name
16	(10)	CHARACTER	32	SVPSE_SE_DESCRIPTION	IWMSVPSE.321: Scheduling environment description
48	(30)	CHARACTER	8	SVPSE_SE_RESERVED	IWMSVPSE.327: Reserved
88	(58)	X'58'	0	SVPSESE_LEN	""-SVPSESE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPSESR	
0	(0)	CHARACTER	16	SVPSE_SR_SCHENV_NAME	IWMSVPSE.347: Scheduling environment name
16	(10)	CHARACTER	16	SVPSE_SR_RESOURCE_NAME	IWMSVPSE.353: Resource name

IWMSVPSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	BITSTRING	1	SVPSE_SR_RESOURCE_STATE	IWMSVPSE.359: Required resource state
33	(21)	CHARACTER	1	SVPSE_SR_RESERVED1	IWMSVPSE.383: Reserved
36	(24)	CHARACTER	8	SVPSE_SR_RESERVED2	IWMSVPSE.392: Reserved
76	(4C)	X'4C'	0	SVPSESR_LEN	**_SVPSESR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVPSE	
0	(0)	CHARACTER	16	SVPSE_RE_RESOURCE_NAME	IWMSVPSE.412: Resource name
16	(10)	CHARACTER	32	SVPSE_RE_DESCRIPTION	IWMSVPSE.418: Resource description
48	(30)	CHARACTER	8	SVPSE_RE_RESERVED	IWMSVPSE.424: Reserved

Comment

IWMSVPSE.566: SVPSE identifier

End of Comment

48	(30)	X'E5D7E2'	0	SVPSE_ID	"C'SVPS"
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Comment

IWMSVPSE.575: Functionality level introduced by WLM in SP510.
This is set by JBB6604 when no scheduling environments were defined.

End of Comment

48	(30)	X'1'	0	SVPSE_LEVEL001	"1"
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Comment

IWMSVPSE.584: Functionality level introduced by WLM in OS/390 R4

End of Comment

48	(30)	X'4'	0	SVPSE_LEVEL004	"4"
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Comment

IWMSVPSE.593: WLM version number for OS/390 R4

End of Comment

48	(30)	X'4'	0	SVPSE_VER604	"4"
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Comment

IWMSVPSE.1111: Functionality level introduced by WLM in OS/390 R5

End of Comment

48	(30)	X'5'	0	SVPSE_LEVEL005	"5"
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Comment

IWMSVPSE.1120: WLM version number for OS/390 R5

End of Comment

48	(30)	X'5'	0	SVPSE_VER605	"5"
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Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
						Comment
IWMSVPSE.1129: Functionality level introduced by WLM in OS/390 R6						
						End of Comment
48	(30)	X'6'	0	SVPSE_LEVEL006	"6"	
						Comment
IWMSVPSE.1138: WLM version number for OS/390 R6						
						End of Comment
48	(30)	X'6'	0	SVPSE_VER606	"6"	
						Comment
IWMSVPSE.1147: Functionality level introduced by WLM in OS/390 R7						
						End of Comment
48	(30)	X'7'	0	SVPSE_LEVEL007	"7"	
						Comment
IWMSVPSE.1156: WLM version number for OS/390 R7						
						End of Comment
48	(30)	X'7'	0	SVPSE_VER607	"7"	
						Comment
IWMSVPSE.1158: Functionality level introduced by WLM in OS/390 R7						
						End of Comment
48	(30)	X'8'	0	SVPSE_LEVEL008	"8"	
						Comment
IWMSVPSE.1167: WLM version number for OS/390 R7						
						End of Comment
48	(30)	X'8'	0	SVPSE_VER608	"8"	
						Comment
IWMSVPSE.1213: Reserved functionality level						
						End of Comment
48	(30)	X'9'	0	SVPSE_LEVEL009	"9"	
						Comment
IWMSVPSE.1279: Reserved WLM version number for OS/390 V2R8						
						End of Comment
48	(30)	X'9'	0	SVPSE_RESERVED_R08	"9"	
						Comment
IWMSVPSE.1196: Reserved functionality level						
						End of Comment
48	(30)	X'A'	0	SVPSE_LEVEL010	"10"	

IWMSVPSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IWMSVPSE.1288: Reserved WLM version number for OS/390 V2R9					
					End of Comment
48	(30)	X'A'	0	SVPSE_RESERVED_R09	"10"
					Comment
IWMSVPSE.1222: Functionality level introduced by WLM in OS/390 R10					
					End of Comment
48	(30)	X'B'	0	SVPSE_LEVEL011	"11"
					Comment
IWMSVPSE.1198: WLM version number for OS/390 R10					
					End of Comment
48	(30)	X'B'	0	SVPSE_VER703	"11"
					Comment
IWMSVPSE.1261: Reserved functionality level					
					End of Comment
48	(30)	X'C'	0	SVPSE_LEVEL012	"12"
					Comment
IWMSVPSE.1297: Reserved WLM version number for OS/390 V2R11					
					End of Comment
48	(30)	X'C'	0	SVPSE_RESERVED_R11	"12"
					Comment
IWMSVPSE.1225: Functionality level introduced by WLM in OS/390 R12					
					End of Comment
48	(30)	X'D'	0	SVPSE_LEVEL013	"13"
					Comment
IWMSVPSE.1240: WLM version number for OS/390 R12					
					End of Comment
48	(30)	X'D'	0	SVPSE_VER705	"13"
					Comment
IWMSVPSE.813: Reserved functionality level					
					End of Comment
48	(30)	X'E'	0	SVPSE_LEVEL014	"14"
					Comment
IWMSVPSE.822: Reserved WLM version number for z/OS V1R3					
					End of Comment
48	(30)	X'E'	0	SVPSE_RESERVED_R13	"14"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IWMSVPSE.831: Reserved functionality level					
					End of Comment
48	(30)	X'F'	0	SVPSE_LEVEL015	"15"
					Comment
IWMSVPSE.917: Reserved WLM version number for z/OS V1R4					
					End of Comment
48	(30)	X'F'	0	SVPSE_RESERVED_R14	"15"
					Comment
IWMSVPSE.714: Reserved functionality level					
					End of Comment
48	(30)	X'10'	0	SVPSE_LEVEL016	"16"
					Comment
IWMSVPSE.442: Reserved WLM version number for z/OS V1R5					
					End of Comment
48	(30)	X'10'	0	SVPSE_RESERVED_R15	"16"
					Comment
IWMSVPSE.451: Functionality level introduced by WLM in z/OS V1R6					
					End of Comment
48	(30)	X'11'	0	SVPSE_LEVEL017	"17"
					Comment
IWMSVPSE.460: WLM version number for z/OS V1R6					
					End of Comment
48	(30)	X'11'	0	SVPSE_VER709	"17"
					Comment
IWMSVPSE.46: Reserved functionality level introduced by WLM in z/OS V1R7					
					End of Comment
48	(30)	X'12'	0	SVPSE_LEVEL018	"18"
					Comment
IWMSVPSE.952: Reserved WLM version number for z/OS V1R7					
					End of Comment
48	(30)	X'12'	0	SVPSE_RESERVED_R17	"18"
					Comment
IWMSVPSE.961: Functionality level introduced by WLM in z/OS V1R8					
					End of Comment

IWMSVPSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
48	(30)	X'13'	0	SVPSE_LEVEL019	"19"
Comment					
IWMSVPSE.1003: Reserved WLM version number for z/OS V1R8					
End of Comment					
48	(30)	X'14'	0	SVPSE_RESERVED_R18	"20"
Comment					
IWMSVPSE.380: Functionality level introduced by WLM in z/OS V1R10					
End of Comment					
48	(30)	X'15'	0	SVPSE_LEVEL021	"21"
Comment					
IWMSVPSE.1037: Reserved WLM version number for z/OS V1R10					
End of Comment					
48	(30)	X'16'	0	SVPSE_RESERVED_R110	"22"
Comment					
IWMSVPSE.1052: Functionality level introduced by WLM in z/OS V1R11					
End of Comment					
48	(30)	X'17'	0	SVPSE_LEVEL023	"23"
Comment					
IWMSVPSE.966: WLM version number for z/OS V1R8					
End of Comment					
48	(30)	X'13'	0	SVPSE_VER730	"19"
Comment					
IWMSVPSE.974: WLM version number for z/OS V1R10					
End of Comment					
48	(30)	X'15'	0	SVPSE_VER750	"21"
Comment					
IWMSVPSE.1009: WLM version number for z/OS V1R11					
End of Comment					
48	(30)	X'17'	0	SVPSE_VER760	"23"
Comment					
IWMSVPSE.602: Current version level used when checking functionality within WLM product					
End of Comment					
48	(30)	X'17'	0	SVPSE_CURRENT_VER	"23"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
IWMSVPSE.976: SVPSE_SR_RESOURCE_STATE that indicates resource is desired to be ON					
End of Comment					
48	(30)	X'4'	0	SVPSE_SR_ON	"4"
Comment					
IWMSVPSE.982: SVPSE_SR_RESOURCE_STATE that indicates resource is desired to be OFF					
End of Comment					
48	(30)	X'8'	0	SVPSE_SR_OFF	"8"
Comment					
IWMSVPSE.1024: SVPSE_SR_RESOURCE_STATE that is reserved					
End of Comment					
48	(30)	X'C'	0	SVPSE_SR_RESERVED	"12"
Comment					
IWMSVPSE.625: SVPSE section symbolic constant					
End of Comment					
48	(30)	X'1'	0	SVPSE_SECTION	"1"
Comment					
IWMSVPSE.634: SVPSE header symbolic constant					
End of Comment					
48	(30)	X'2'	0	SVPSE_HDR_SECTION	"2"
Comment					
IWMSVPSE.643: SVPSE SE symbolic constant					
End of Comment					
48	(30)	X'3'	0	SVPSE_SE_SECTION	"3"
Comment					
IWMSVPSE.653: SVPSE SR symbolic constant					
End of Comment					
48	(30)	X'4'	0	SVPSE_SR_SECTION	"4"
Comment					
IWMSVPSE.663: SVPSE RE symbolic constant					
End of Comment					
48	(30)	X'5'	0	SVPSE_RE_SECTION	"5"
88	(58)	X'58'	0	SVPSE_LEN	"*-SVPSE"

IWMSVPSE Cross Reference

IWMSVPSE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVPSE_CURRENT_VER	30	17	SVPSE_LEVEL017	30	10
SVPSE_EXT_DATA_LEN	4C		SVPSE_LEVEL018	30	11
SVPSE_EXT_DATA_OFF	48		SVPSE_LEVEL019	30	12
SVPSE_EXT_NUM_RSV1	5C		SVPSE_LEVEL021	30	13
SVPSE_EXT_NUM_RSV2	64		SVPSE_LEVEL023	30	15
SVPSE_EXT_NUM_RSV3	6C		SVPSE_NUMBER_RE	24	17
SVPSE_EXT_NUM_RSV4	74		SVPSE_NUMBER_RESERVED1	2C	
SVPSE_EXT_NUM_SE	54		SVPSE_NUMBER_RESERVED2	34	
SVPSE_EXT_OFF_RSV1	58		SVPSE_NUMBER_RESERVED3	3C	
SVPSE_EXT_OFF_RSV2	60		SVPSE_NUMBER_RESERVED4	44	
SVPSE_EXT_OFF_RSV3	68		SVPSE_NUMBER_SE	14	
SVPSE_EXT_OFF_RSV4	70		SVPSE_NUMBER_SR	1C	
SVPSE_EXT_OFF_SE	50		SVPSE_OFFSET_RE	20	
SVPSE_EXT_OFFSETS_AREA	48		SVPSE_OFFSET_RESERVED1	28	
SVPSE_EXT_SIZ_RSV1	5E		SVPSE_OFFSET_RESERVED2	30	
SVPSE_EXT_SIZ_RSV2	66		SVPSE_OFFSET_RESERVED3	38	
SVPSE_EXT_SIZ_RSV3	6E		SVPSE_OFFSET_RESERVED4	40	
SVPSE_EXT_SIZ_RSV4	76		SVPSE_OFFSET_SE	10	
SVPSE_EXT_SIZ_SE	56		SVPSE_OFFSET_SR	18	
SVPSE_EYECATCHER	0		SVPSE_OFFSETS_AREA	10	
SVPSE_FUNCTIONALITY_LEVEL	4		SVPSE_RE_DESCRIPTION	10	
SVPSE_HDR_SECTION	30	2	SVPSE_RE_RESERVED	30	
SVPSE_ID	30	E5D7E2	SVPSE_RE_RESOURCE_NAME	0	
SVPSE_LEVEL001	30	1	SVPSE_RE_SECTION	30	5
SVPSE_LEVEL004	30	4	SVPSE_RESERVED	78	
SVPSE_LEVEL005	30	5	SVPSE_RESERVED_R08	30	9
SVPSE_LEVEL006	30	6	SVPSE_RESERVED_R09	30	A
SVPSE_LEVEL007	30	7	SVPSE_RESERVED_R11	30	C
SVPSE_LEVEL008	30	8	SVPSE_RESERVED_R110	30	16
SVPSE_LEVEL009	30	9	SVPSE_RESERVED_R13	30	E
SVPSE_LEVEL010	30	A	SVPSE_RESERVED_R14	30	F
SVPSE_LEVEL011	30	B	SVPSE_RESERVED_R15	30	10
SVPSE_LEVEL012	30	C	SVPSE_RESERVED_R17	30	12
SVPSE_LEVEL013	30	D	SVPSE_RESERVED_R18	30	14
SVPSE_LEVEL014	30	E	SVPSE_SE_DESCRIPTION	10	
SVPSE_LEVEL015	30	F	SVPSE_SE_RESERVED		
SVPSE_LEVEL016					

Name	Hex Offset	Hex Value
	30	
SVPSE_SE_SCHENV_NAME	0	
SVPSE_SE_SECTION	30	3
SVPSE_SECTION	30	1
SVPSE_SIZE_OF_HEADER	6	
SVPSE_SIZE_OF_WHOLE_SVPSE	8	
SVPSE_SIZE_RE	26	
SVPSE_SIZE_RESERVED1	2E	
SVPSE_SIZE_RESERVED2	36	
SVPSE_SIZE_RESERVED3	3E	
SVPSE_SIZE_RESERVED4	46	
SVPSE_SIZE_SE	16	
SVPSE_SIZE_SR	1E	
SVPSE_SR_OFF	30	8
SVPSE_SR_ON	30	4
SVPSE_SR_RESERVED	30	C
SVPSE_SR_RESERVED1	21	
SVPSE_SR_RESERVED2	24	
SVPSE_SR_RESOURCE_NAME	10	
SVPSE_SR_RESOURCE_STATE	20	
SVPSE_SR_SCHENV_NAME	0	
SVPSE_SR_SECTION	30	4
SVPSE_SVPSESEQ	C	
SVPSE_VER604	30	4
SVPSE_VER605	30	5
SVPSE_VER606	30	6
SVPSE_VER607	30	7
SVPSE_VER608	30	8
SVPSE_VER703	30	B
SVPSE_VER705	30	D
SVPSE_VER709	30	11
SVPSE_VER730	30	13
SVPSE_VER750	30	15
SVPSE_VER760	30	17
SVPSE_WLM_VERSION_NUMBER	5	
SVPSEHDR	0	
SVPSEHDR_LEN	A0	A0
SVPSEERE	0	
SVPSEERE_LEN	58	58
SVPSESE	0	
SVPSESE_LEN	58	58
SVPSESR	0	
SVPSESR_LEN	4C	4C

IWMSVSEA Information

IWMSVSEA Programming Interface information

Programming Interface information

IWMSVSEA

End of Programming Interface information

IWMSVSEA Heading Information • IWMSVSEA Map

IWMSVSEA Heading Information

Common Name: WLM Service Definition Scheduling Environment mapping
Macro ID: IWMSVSEA
DSECT Name: SVSEAHDR - SVSEA header SVSEASE - scheduling environments SVSEASR - scheduling environments/resources SVSEARE - resources SVSEEXT - extensions
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: SVSE
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: Offset within SERVD (IWMSERVD) mapping
Serialization: None
Function: Contains service definition scheduling environments information.

IWMSVSEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVSEAHDR	
0	(0)	CHARACTER	4	SVSEA_EYECATCHER	
4	(4)	BITSTRING	1	SVSEA_FUNCTIONALITY_LEVEL	IWMSVSEA.16: Eye catcher for SVSEA - SVSE
5	(5)	BITSTRING	1	SVSEA_WLM_VERSION_NUMBER	IWMSVSEA.22: Functionality level of the SVSEA. The functionality level defines the highest level of WLM function that exists in the SVSEA
6	(6)	SIGNED	2	SVSEA_SIZE_OF_HEADER	IWMSVSEA.28: WLM version number
8	(8)	SIGNED	4	SVSEA_SIZE_OF_WHOLE_SVSEA	IWMSVSEA.34: Size of header section
12	(C)	SIGNED	4	SVSEA_RESERVED1	IWMSVSEA.40: Size of the whole scheduling environment section
16	(10)	CHARACTER	56	SVSEA_OFFSETS_AREA (0)	IWMSVSEA.46: Reserved
16	(10)	SIGNED	4	SVSEA_OFFSET_SE	IWMSVSEA.53: SVSEA section offsets area
20	(14)	SIGNED	2	SVSEA_NUMBER_SE	IWMSVSEA.57: Offset of scheduling environment section
22	(16)	SIGNED	2	SVSEA_SIZE_SE	IWMSVSEA.63: Number of scheduling environments
24	(18)	SIGNED	4	SVSEA_OFFSET_SR	IWMSVSEA.69: Size of an scheduling environment entry
28	(1C)	SIGNED	2	SVSEA_NUMBER_SR	IWMSVSEA.721: Offset of scheduling environment- /resource section
30	(1E)	SIGNED	2	SVSEA_SIZE_SR	IWMSVSEA.727: Number of scheduling environment- /resource
32	(20)	SIGNED	4	SVSEA_OFFSET_RE	IWMSVSEA.733: Size of an scheduling environment- /resource section
36	(24)	SIGNED	2	SVSEA_NUMBER_RE	IWMSVSEA.741: Offset of resource section
38	(26)	SIGNED	2	SVSEA_SIZE_RE	IWMSVSEA.747: Number of resources
40	(28)	SIGNED	4	SVSEA_OFFSET_RESERVED1	IWMSVSEA.753: Size of an resource entry
44	(2C)	SIGNED	2	SVSEA_NUMBER_RESERVED1	IWMSVSEA.76: Reserved offset
46	(2E)	SIGNED	2	SVSEA_SIZE_RESERVED1	IWMSVSEA.82: Reserved number
48	(30)	SIGNED	4	SVSEA_OFFSET_RESERVED2	IWMSVSEA.88: Reserved size
52	(34)	SIGNED	2	SVSEA_NUMBER_RESERVED2	IWMSVSEA.95: Reserved offset
54	(36)	SIGNED	2	SVSEA_SIZE_RESERVED2	IWMSVSEA.101: Reserved number
56	(38)	SIGNED	4	SVSEA_OFFSET_RESERVED3	IWMSVSEA.107: Reserved size
60	(3C)	SIGNED	2	SVSEA_NUMBER_RESERVED3	IWMSVSEA.758: Reserved offset
					IWMSVSEA.734: Reserved number

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	SIGNED	2	SVSEA_SIZE_RESERVED3	IWMSVSEA.770: Reserved size
64	(40)	SIGNED	4	SVSEA_OFFSET_RESERVED4	IWMSVSEA.781: Reserved offset
68	(44)	SIGNED	2	SVSEA_NUMBER_RESERVED4	IWMSVSEA.787: Reserved number
70	(46)	SIGNED	2	SVSEA_SIZE_RESERVED4	IWMSVSEA.793: Reserved size
72	(48)	CHARACTER	72	SVSEA_EXT_OFFSETS_AREA (0)	IWMSVSEA.114: SVSEA extension offsets area
72	(48)	CHARACTER	8	SVSEA_EXT_BASICS (0)	IWMSVSEA.412: Basic offsets/length
72	(48)	SIGNED	4	SVSEA_EXT_DATA_OFF	IWMSVSEA.117: Offset of extended data (0 if no extended data exists)
76	(4C)	SIGNED	4	SVSEA_EXT_DATA_LEN	IWMSVSEA.123: Length of extended data
80	(50)	CHARACTER	8	SVSEAHDR_EXT (0)	IWMSVSEA.597: SVSEAHDR section
80	(50)	SIGNED	4	SVSEA_EXT_OFF	IWMSVSEA.129: Offset of SVSEAHDR header extension
84	(54)	SIGNED	2	SVSEA_EXT_NUM	IWMSVSEA.135: Number of SVSEAHDR general extension entries
86	(56)	SIGNED	2	SVSEA_EXT_SIZ	IWMSVSEA.141: Size of each SVSEAHDR general extension entry
88	(58)	CHARACTER	8	SVSEASE_EXT (0)	IWMSVSEA.415: SVSEASE section
88	(58)	SIGNED	4	SVSEA_EXT_OFF_SE	IWMSVSEA.937: Offset of SVSEASE section extension
92	(5C)	SIGNED	2	SVSEA_EXT_NUM_SE	IWMSVSEA.943: Number of SVSEASE extension entries
94	(5E)	SIGNED	2	SVSEA_EXT_SIZ_SE	IWMSVSEA.949: Size of each SVSEASE extension entry
96	(60)	CHARACTER	8	SVSEASR_EXT (0)	IWMSVSEA.932: SVSEASR section
96	(60)	SIGNED	4	SVSEA_EXT_OFF_SR	IWMSVSEA.958: Offset of SVSEASR section extension
100	(64)	SIGNED	2	SVSEA_EXT_NUM_SR	IWMSVSEA.964: Number of SVSEASR extension entries
102	(66)	SIGNED	2	SVSEA_EXT_SIZ_SR	IWMSVSEA.970: Size of each SVSEASR extension entry
104	(68)	CHARACTER	8	SVSEARE_EXT (0)	IWMSVSEA.955: SVSEARE section
104	(68)	SIGNED	4	SVSEA_EXT_OFF_RE	IWMSVSEA.979: Offset of SVSEARE section extension
108	(6C)	SIGNED	2	SVSEA_EXT_NUM_RE	IWMSVSEA.985: Number of SVSEARE extension entries
110	(6E)	SIGNED	2	SVSEA_EXT_SIZ_RE	IWMSVSEA.991: Size of each SVSEARE extension entry
112	(70)	CHARACTER	32	SVSEA_EXT_RESERVED (0)	IWMSVSEA.266: Reserved
112	(70)	SIGNED	4	SVSEA_EXT_OFF_RSV1	IWMSVSEA.147: Offset reserved
116	(74)	SIGNED	2	SVSEA_EXT_NUM_RSV1	IWMSVSEA.153: Number reserved
118	(76)	SIGNED	2	SVSEA_EXT_SIZ_RSV1	IWMSVSEA.159: Size reserved
120	(78)	SIGNED	4	SVSEA_EXT_OFF_RSV2	IWMSVSEA.165: Offset reserved
124	(7C)	SIGNED	2	SVSEA_EXT_NUM_RSV2	IWMSVSEA.171: Number reserved
126	(7E)	SIGNED	2	SVSEA_EXT_SIZ_RSV2	IWMSVSEA.177: Size reserved
128	(80)	SIGNED	4	SVSEA_EXT_OFF_RSV3	IWMSVSEA.797: Offset reserved
132	(84)	SIGNED	2	SVSEA_EXT_NUM_RSV3	IWMSVSEA.800: Number reserved
134	(86)	SIGNED	2	SVSEA_EXT_SIZ_RSV3	IWMSVSEA.806: Size reserved
136	(88)	SIGNED	4	SVSEA_EXT_OFF_RSV4	IWMSVSEA.812: Offset reserved
140	(8C)	SIGNED	2	SVSEA_EXT_NUM_RSV4	

IWMSVSEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
142	(8E)	SIGNED	2	SVSEA_EXT_SIZ_RSV4	IWMSVSEA.818: Number reserved
144	(90)	SIGNED	4	SVSEA_RESERVED	IWMSVSEA.827: Size reserved
184	(B8)	X'B8'	0	SVSEAHDR_LEN	IWMSVSEA.183: Reserved "-SVSEAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVSEASE	
0	(0)	CHARACTER	16	SVSEA_SE_SCHENV_NAME	IWMSVSEA.203: Scheduling environment name
16	(10)	CHARACTER	32	SVSEA_SE_DESCRIPTION	IWMSVSEA.209: Scheduling environment description
48	(30)	CHARACTER	8	SVSEA_SE_RESERVED	
88	(58)	X'58'	0	SVSEASE_LEN	IWMSVSEA.290: Reserved "-SVSEASE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVSEASR	
0	(0)	CHARACTER	16	SVSEA_SR_SCHENV_NAME	IWMSVSEA.880: Scheduling environment name
16	(10)	CHARACTER	16	SVSEA_SR_RESOURCE_NAME	IWMSVSEA.900: Resource name
32	(20)	BITSTRING	1	SVSEA_SR_RESOURCE_STATE	IWMSVSEA.877: Required resource state
33	(21)	CHARACTER	1	SVSEA_SR_RESERVED1	
36	(24)	CHARACTER	8	SVSEA_SR_RESERVED2	IWMSVSEA.906: Reserved
76	(4C)	X'4C'	0	SVSEASR_LEN	IWMSVSEA.892: Reserved "-SVSEASR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVSEARE	
0	(0)	CHARACTER	16	SVSEA_RE_RESOURCE_NAME	IWMSVSEA.846: Resource name
16	(10)	CHARACTER	32	SVSEA_RE_DESCRIPTION	IWMSVSEA.804: Resource description
48	(30)	CHARACTER	8	SVSEA_RE_RESERVED	
88	(58)	X'58'	0	SVSEARE_LEN	IWMSVSEA.858: Reserved "-SVSEARE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVSEEXT	
0	(0)	CHARACTER	8	SVSEAVID	IWMSVSEA.306: Vendor/product ID that owns the entry
8	(8)	CHARACTER	16	SVSEAROB	IWMSVSEA.312: Related object name - name of object (for example, scheduling environment name, SVSEA_SE_SC- HENV_NAME) which this extension entry extends
24	(18)	SIGNED	4	SVSEAEDL	IWMSVSEA.318: Extended data length
28	(1C)	SIGNED	4	SVSEAEDO	IWMSVSEA.324: Extended data offset - offset is from beginning of the extended data whose offset is in SVSEA_EXT_DATA_OFF

Comment					
IWMSVSEA.393: SVSEA identifier					
End of Comment					
28	(1C)	X'E5E2C5'	0	SVSEA_ID	"C'SVSE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
IWMSVSEA.402: Functionality level introduced by WLM in SP510. This is set by JBB6604 when no scheduling environments were defined.					
End of Comment					
28	(1C)	X'1'	0	SVSEA_LEVEL001	"1"
Comment					
IWMSVSEA.429: Functionality level introduced by WLM in OS/390 R4					
End of Comment					
28	(1C)	X'4'	0	SVSEA_LEVEL004	"4"
Comment					
IWMSVSEA.438: WLM version number for OS/390 R4					
End of Comment					
28	(1C)	X'4'	0	SVSEA_VER604	"4"
Comment					
IWMSVSEA.999: Functionality level introduced by WLM in OS/390 R5					
End of Comment					
28	(1C)	X'5'	0	SVSEA_LEVEL005	"5"
Comment					
IWMSVSEA.1028: WLM version number for OS/390 R5					
End of Comment					
28	(1C)	X'5'	0	SVSEA_VER605	"5"
Comment					
IWMSVSEA.1037: Functionality level introduced by WLM in OS/390 R6					
End of Comment					
28	(1C)	X'6'	0	SVSEA_LEVEL006	"6"
Comment					
IWMSVSEA.1046: WLM version number for OS/390 R6					
End of Comment					
28	(1C)	X'6'	0	SVSEA_VER606	"6"
Comment					
IWMSVSEA.536: Functionality level introduced by WLM in OS/390 R7					
End of Comment					
28	(1C)	X'7'	0	SVSEA_LEVEL007	"7"

IWMSVSEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
IWMSVSEA.1063: WLM version number for OS/390 R7					
End of Comment					
28	(1C)	X'7'	0	SVSEA_VER607	"7"
Comment					
IWMSVSEA.1074: Functionality level introduced by WLM in OS/390 R7					
End of Comment					
28	(1C)	X'8'	0	SVSEA_LEVEL008	"8"
Comment					
IWMSVSEA.1083: WLM version number for OS/390 R7					
End of Comment					
28	(1C)	X'8'	0	SVSEA_VER608	"8"
Comment					
IWMSVSEA.1117: Reserved functionality level					
End of Comment					
28	(1C)	X'9'	0	SVSEA_LEVEL009	"9"
Comment					
IWMSVSEA.1171: Reserved WLM version number for OS/390 V2R8					
End of Comment					
28	(1C)	X'9'	0	SVSEA_RESERVED_R08	"9"
Comment					
IWMSVSEA.1095: Reserved functionality level					
End of Comment					
28	(1C)	X'A'	0	SVSEA_LEVEL010	"10"
Comment					
IWMSVSEA.1180: Reserved WLM version number for OS/390 V2R9					
End of Comment					
28	(1C)	X'A'	0	SVSEA_RESERVED_R09	"10"
Comment					
IWMSVSEA.1126: Functionality level introduced by WLM in OS/390 R10					
End of Comment					
28	(1C)	X'B'	0	SVSEA_LEVEL011	"11"
Comment					
IWMSVSEA.1102: WLM version number for OS/390 R10					
End of Comment					
28	(1C)	X'B'	0	SVSEA_VER703	"11"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
IWMSVSEA.1167: Reserved functionality level					
End of Comment					
28	(1C)	X'C'	0	SVSEA_LEVEL012	"12"
Comment					
IWMSVSEA.1158: Reserved WLM version number for OS/390 V2R11					
End of Comment					
28	(1C)	X'C'	0	SVSEA_RESERVED_R11	"12"
Comment					
IWMSVSEA.1135: Functionality level introduced by WLM in OS/390 R12					
End of Comment					
28	(1C)	X'D'	0	SVSEA_LEVEL013	"13"
Comment					
IWMSVSEA.1144: WLM version number for OS/390 R12					
End of Comment					
28	(1C)	X'D'	0	SVSEA_VER705	"13"
Comment					
IWMSVSEA.1200: Reserved functionality level					
End of Comment					
28	(1C)	X'E'	0	SVSEA_LEVEL014	"14"
Comment					
IWMSVSEA.1209: Reserved WLM version number for z/OS V1R13					
End of Comment					
28	(1C)	X'E'	0	SVSEA_RESERVED_R13	"14"
Comment					
IWMSVSEA.1218: Reserved functionality level					
End of Comment					
28	(1C)	X'F'	0	SVSEA_LEVEL015	"15"
Comment					
IWMSVSEA.1227: Reserved WLM version number for z/OS V1R14					
End of Comment					
28	(1C)	X'F'	0	SVSEA_RESERVED_R14	"15"
Comment					
IWMSVSEA.1236: Reserved functionality level					
End of Comment					
28	(1C)	X'10'	0	SVSEA_LEVEL016	"16"

IWMSVSEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IWMSVSEA.1245: Reserved WLM version number for z/OS V1R15					
					End of Comment
28	(1C)	X'10'	0	SVSEA_RESERVED_R15	"16"
					Comment
IWMSVSEA.1254: Functionality level introduced by WLM in z/OS V1R6					
					End of Comment
28	(1C)	X'11'	0	SVSEA_LEVEL017	"17"
					Comment
IWMSVSEA.1263: WLM version number for z/OS V1R16					
					End of Comment
28	(1C)	X'11'	0	SVSEA_VER709	"17"
					Comment
IWMSVSEA.1277: Reserved functionality level					
					End of Comment
28	(1C)	X'12'	0	SVSEA_LEVEL018	"18"
					Comment
IWMSVSEA.1286: Reserved WLM version number for z/OS V1R17					
					End of Comment
28	(1C)	X'12'	0	SVSEA_RESERVED_R17	"18"
					Comment
IWMSVSEA.1295: Functionality level introduced by WLM in z/OS V1R8					
					End of Comment
28	(1C)	X'13'	0	SVSEA_LEVEL019	"19"
					Comment
IWMSVSEA.1336: Reserved WLM version number for z/OS V1R18					
					End of Comment
28	(1C)	X'14'	0	SVSEA_RESERVED_R18	"20"
					Comment
IWMSVSEA.1318: Functionality level introduced by WLM in z/OS V1R10					
					End of Comment
28	(1C)	X'15'	0	SVSEA_LEVEL021	"21"
					Comment
IWMSVSEA.1360: Reserved WLM version number for z/OS V1R10					
					End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	X'16'	0	SVSEA_RESERVED_R110	"22"
Comment					
IWMSVSEA.1347: Functionality level introduced by WLM in z/OS V1R11					
End of Comment					
28	(1C)	X'17'	0	SVSEA_LEVEL023	"23"
Comment					
IWMSVSEA.1304: WLM version number for z/OS V1R8					
End of Comment					
28	(1C)	X'13'	0	SVSEA_VER730	"19"
Comment					
IWMSVSEA.1327: WLM version number for z/OS V1R10					
End of Comment					
28	(1C)	X'15'	0	SVSEA_VER750	"21"
Comment					
IWMSVSEA.1369: WLM version number for z/OS V1R11					
End of Comment					
28	(1C)	X'17'	0	SVSEA_VER760	"23"
Comment					
IWMSVSEA.447: Current version level used when checking functionality within WLM product					
End of Comment					
28	(1C)	X'17'	0	SVSEA_CURRENT_VER	"23"
Comment					
IWMSVSEA.920: SVSEA_SR_RESOURCE_STATE that indicates resource is desired to be ON					
End of Comment					
28	(1C)	X'4'	0	SVSEA_SR_ON	"4"
Comment					
IWMSVSEA.1009: SVSEA_SR_RESOURCE_STATE that indicates resource is desired to be OFF					
End of Comment					
28	(1C)	X'8'	0	SVSEA_SR_OFF	"8"
Comment					
IWMSVSEA.1018: SVSEA_SR_RESOURCE_STATE that is reserved					
End of Comment					
28	(1C)	X'C'	0	SVSEA_SR_RESERVED	"12"
Comment					
IWMSVSEA.468: SVSEA section symbolic constant					
End of Comment					
28	(1C)	X'3B'	0	SVSEA_SECTION	

IWMSVSEA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"59"
					Comment
					IWMSVSEA.477: SVSEA header symbolic constant
					End of Comment
28	(1C)	X'3C'	0	SVSEA_HDR_SECTION	"60"
					Comment
					IWMSVSEA.486: SVSEA SE symbolic constant
					End of Comment
28	(1C)	X'3D'	0	SVSEA_SE_SECTION	"61"
					Comment
					IWMSVSEA.243: SVSEA SR symbolic constant
					End of Comment
28	(1C)	X'3D'	0	SVSEA_SR_SECTION	"61"
					Comment
					IWMSVSEA.253: SVSEA RE symbolic constant
					End of Comment
28	(1C)	X'3D'	0	SVSEA_RE_SECTION	"61"
					Comment
					IWMSVSEA.496: SVSEA extension symbolic constant
					End of Comment
28	(1C)	X'3E'	0	SVSEA_EXT_SECTION	"62"
28	(1C)	X'20'	0	SVSEAEXT_LEN	"*-SVSEAEXT"

IWMSVSEA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVSEA_CURRENT_VER					
	1C	17	SVSEA_EXT_OFF_RE	50	
SVSEA_EXT_BASICS				68	
	48		SVSEA_EXT_OFF_RSV1	70	
SVSEA_EXT_DATA_LEN			SVSEA_EXT_OFF_RSV2	78	
	4C		SVSEA_EXT_OFF_RSV3	80	
SVSEA_EXT_DATA_OFF			SVSEA_EXT_OFF_RSV4	88	
	48		SVSEA_EXT_OFF_SE	58	
SVSEA_EXT_NUM			SVSEA_EXT_OFF_SR	60	
	54		SVSEA_EXT_OFFSETS_AREA	48	
SVSEA_EXT_NUM_RE			SVSEA_EXT_RESERVED	70	
	6C		SVSEA_EXT_SECTION	1C	3E
SVSEA_EXT_NUM_RSV1			SVSEA_EXT_SIZ	56	
	74		SVSEA_EXT_SIZ_RE	6E	
SVSEA_EXT_NUM_RSV2					
	7C				
SVSEA_EXT_NUM_RSV3					
	84				
SVSEA_EXT_NUM_RSV4					
	8C				
SVSEA_EXT_NUM_SE					
	5C				
SVSEA_EXT_NUM_SR					
	64				
SVSEA_EXT_OFF					

IWMSVSEA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVSEA_EXT_SIZ_RSV1	76		SVSEA_OFFSET_RESERVED2	28	
SVSEA_EXT_SIZ_RSV2	7E		SVSEA_OFFSET_RESERVED3	30	
SVSEA_EXT_SIZ_RSV3	86		SVSEA_OFFSET_RESERVED4	38	
SVSEA_EXT_SIZ_RSV4	8E		SVSEA_OFFSET_RESERVED4	40	
SVSEA_EXT_SIZ_SE	5E		SVSEA_OFFSET_SE	10	
SVSEA_EXT_SIZ_SR	66		SVSEA_OFFSET_SR	18	
SVSEA_EYECATCHER	0		SVSEA_OFFSETS_AREA	10	
SVSEA_FUNCTIONALITY_LEVEL	4		SVSEA_RE_DESCRIPTION	10	
SVSEA_HDR_SECTION	1C	3C	SVSEA_RE_RESERVED	30	
SVSEA_ID	1C	E5E2C5	SVSEA_RE_RESOURCE_NAME	0	
SVSEA_LEVEL001	1C	1	SVSEA_RE_SECTION	1C	3D
SVSEA_LEVEL004	1C	4	SVSEA_RESERVED	90	
SVSEA_LEVEL005	1C	5	SVSEA_RESERVED_R08	1C	9
SVSEA_LEVEL006	1C	6	SVSEA_RESERVED_R09	1C	A
SVSEA_LEVEL007	1C	7	SVSEA_RESERVED_R11	1C	C
SVSEA_LEVEL008	1C	8	SVSEA_RESERVED_R110	1C	16
SVSEA_LEVEL009	1C	9	SVSEA_RESERVED_R13	1C	E
SVSEA_LEVEL010	1C	A	SVSEA_RESERVED_R14	1C	F
SVSEA_LEVEL011	1C	B	SVSEA_RESERVED_R15	1C	10
SVSEA_LEVEL012	1C	C	SVSEA_RESERVED_R17	1C	12
SVSEA_LEVEL013	1C	D	SVSEA_RESERVED_R18	1C	14
SVSEA_LEVEL014	1C	E	SVSEA_RESERVED1	C	
SVSEA_LEVEL015	1C	F	SVSEA_SE_DESCRIPTION	10	
SVSEA_LEVEL016	1C	10	SVSEA_SE_RESERVED	30	
SVSEA_LEVEL017	1C	11	SVSEA_SE_SCHENV_NAME	0	
SVSEA_LEVEL018	1C	12	SVSEA_SE_SECTION	1C	3D
SVSEA_LEVEL019	1C	13	SVSEA_SECTION	1C	3B
SVSEA_LEVEL021	1C	15	SVSEA_SIZE_OF_HEADER	6	
SVSEA_LEVEL023	1C	17	SVSEA_SIZE_OF_WHOLE_SVSEA	8	
SVSEA_NUMBER_RE	24		SVSEA_SIZE_RE	26	
SVSEA_NUMBER_RESERVED1	2C		SVSEA_SIZE_RESERVED1	2E	
SVSEA_NUMBER_RESERVED2	34		SVSEA_SIZE_RESERVED2	36	
SVSEA_NUMBER_RESERVED3	3C		SVSEA_SIZE_RESERVED3	3E	
SVSEA_NUMBER_RESERVED4	44		SVSEA_SIZE_RESERVED4	46	
SVSEA_NUMBER_SE	14		SVSEA_SIZE_SE	16	
SVSEA_NUMBER_SR	1C		SVSEA_SIZE_SR	1E	
SVSEA_OFFSET_RE	20		SVSEA_SR_OFF	1C	8
SVSEA_OFFSET_RESERVED1			SVSEA_SR_ON	1C	4
			SVSEA_SR_RESERVED		

IWMSVSEA Cross Reference

Name	Hex Offset	Hex Value
SVSEA_SR_RESERVED1	1C	C
SVSEA_SR_RESERVED2	21	
SVSEA_SR_RESOURCE_NAME	24	
SVSEA_SR_RESOURCE_STATE	10	
SVSEA_SR_SCHENV_NAME	20	
SVSEA_SR_SECTION	0	
SVSEA_VER604	1C	3D
SVSEA_VER605	1C	4
SVSEA_VER606	1C	5
SVSEA_VER607	1C	6
SVSEA_VER608	1C	7
SVSEA_VER703	1C	8
SVSEA_VER705	1C	B
SVSEA_VER709	1C	D
SVSEA_VER730	1C	11
SVSEA_VER750	1C	13
SVSEA_VER760	1C	15
SVSEA_WLM_VERSION_NUMBER	1C	17
SVSEAEDL	5	
SVSEAEDO	18	
SVSEAEXT	1C	
SVSEAEXT_LEN	0	20
SVSEAHDR	1C	
SVSEAHDR_EXT	0	
SVSEAHDR_LEN	50	
SVSEARE	B8	B8
SVSEARE_EXT	0	
SVSEARE_LEN	68	
SVSEAROB	58	58
SVSEASE	8	
SVSEASE_EXT	0	
SVSEASE_LEN	58	58
SVSEASR	58	
SVSEASR_EXT	0	
SVSEASR_LEN	60	
SVSEAVID	4C	4C
	0	

IWMWGDD Information

IWMWGDD Programming Interface information

Programming Interface information

IWMWGDD

End of Programming Interface information

IWMWGDD Heading Information • IWMWGDD Map

IWMWGDD Heading Information

Common Name: Descriptions Mapping for service IWM4MGDD
Macro ID: IWMWGDD
DSECT Name: IWMWGDD
Owning Component: WLM (SCWLM)
Eye-Catcher ID: IWMWGDD
 Offset: 0
 Length: CHAR(7)
Storage Attributes: Subpool: Any
 Key: See requirements for macro IWM4WGDD
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller of IWM4WGDD
Pointed to by: Pointer to descriptions in IWM4WGDD parameter list
Serialization: Responsibility of IWM4WGDD caller
Function: Maps IWM4WGDD descriptions list

IWMWGDD Map

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		0	(0)	STRUCTURE	0	IWMWGDD	
		0	(0)	CHARACTER	8	IWMWGEYE	Eye catcher, must be set by user to IWMWGDD_Id_Const
		8	(8)	ADDRESS	4	IWMWGNXT	I B M internal use only, must be set to 0 by user
		12	(C)	BITSTRING	1	IWMWGVER	Version # of this macro, must be set by user to IWMWGDD_Version0
		13	(D)	BITSTRING	1	IWMWGRC	Return code that indicates improper values in this data area. Is valid only if rc = IwmRetCodeInvocError and rsn code = IwmRsnCodeBadRequestList for service IWM4MGDD.
		14	(E)	CHARACTER	6	IWMWGSUB	Subsystem identification
		14	(E)	CHARACTER	4	IWMWGTYP	Subsystem type, use the same as was used for the creation of PBs, in service IWM4MCRE
		18	(12)	CHARACTER	2	IWMWGSVER	Subsystem Version, vv.rr
		18	(12)	BITSTRING	1	IWMWGSVV	Version of the subsystem instance that is using this macro
		19	(13)	BITSTRING	1	IWMWGSRR	Release of the subsystem instance that is using this macro
		20	(14)	SIGNED	2	IWMWGNUM	Number of definitions in this data area. Must be between 0 and IWMWGDD_Tnum_Max
		22	(16)	CHARACTER	1	IWMWGDEFS (0)	Data for definitions will follow directly here
		22	(16)	X'16'	0	IWMWGDD_LEN	"*-IWMWGDD"

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		0	(0)	STRUCTURE	0	IWMWGENTS	
		0	(0)	CHARACTER	18	IWMWGENT	One definition entry
		0	(0)	SIGNED	2	IWMWGTNUM	Number of a generic delay, must be between IWMWGDD_Tnum_Min and IWMWGDD_Tnum_Max
		2	(2)	CHARACTER	16	IWMWGTDSC	Description for the generic delay state
		2	(2)	X'E6D4E6'	0	IWMWGDD_ID_CONST_0TO3	"C'IWMW'" This is the first 4-byte segment of an 8-byte constant.
		2	(2)	X'C4C440'	0	IWMWGDD_ID_CONST_4TO7	"C'GDD '" This is the second 4-byte segment of an 8-byte constant.
		2	(2)	X'0'	0	IWMWGDD_NXT	"0"
		2	(2)	X'0'	0	IWMWGDD_VERSION0	"0"
		2	(2)	X'1'	0	IWMWGDD_TNUM_MIN	"1"
		2	(2)	X'F'	0	IWMWGDD_TNUM_MAX	"15"
		2	(2)	X'404040'	0	IWMWGDD_TYP	"C' '"

Comment

The following constants define the possible return values in field IWMWGRC.

End of Comment

2	(2)	X'0'	0	IWMWGDD_FAILCODE_OK	"0"
2	(2)	X'1'	0	IWMWGDD_FAILCODE_WRONGID	"1" field IWMWGEYE is not properly set
2	(2)	X'2'	0	IWMWGDD_FAILCODE_WRONGVERSION	"2" field IWMWGVER is not properly set
2	(2)	X'3'	0	IWMWGDD_FAILCODE_WRONGNXT	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	X'4'	0	IWMWGDD_FAILCODE_WRONGTYP	"3" field IWMWGNXT is not properly set
2	(2)	X'5'	0	IWMWGDD_FAILCODE_WRONGNUM	"4" field IWMWGTYP is blank.
2	(2)	X'6'	0	IWMWGDD_FAILCODE_WRONGTNUM	"5" field IWMWGNUM is not properly set
2	(2)	X'12'	0	IWMWGENTS_LEN	"6" field IWMWGTNUM is not properly set
					**IWMWGENTS"

IWMWGDD Cross Reference

Name	Hex Offset	Hex Value
IWMWGDD	0	
IWMWGDD_FAILCODE_OK	2	0
IWMWGDD_FAILCODE_WRONGID	2	1
IWMWGDD_FAILCODE_WRONGNUM	2	5
IWMWGDD_FAILCODE_WRONGNXT	2	3
IWMWGDD_FAILCODE_WRONGTNUM	2	6
IWMWGDD_FAILCODE_WRONGTYP	2	4
IWMWGDD_FAILCODE_WRONGVERSION	2	2
IWMWGDD_ID_CONST_0TO3	2	E6D4E6
IWMWGDD_ID_CONST_4TO7	2	C4C440
IWMWGDD_LEN	16	16
IWMWGDD_NXT	2	0
IWMWGDD_TNUM_MAX	2	F
IWMWGDD_TNUM_MIN	2	1
IWMWGDD_TYP	2	404040
IWMWGDD_VERSION0	2	0
IWMWGDEFS	16	
IWMWGENT	0	
IWMWGENTS	0	
IWMWGENTS_LEN	2	12
IWMWGEYE	0	
IWMWGNUM	14	
IWMWGNXT	8	
IWMWGRC	D	
IWMWGSRR	13	
IWMWGSUB	E	
IWMWGSVER	12	
IWMWGSVV	12	
IWMWGTDSC	2	
IWMWGTNUM	0	
IWMWGTYP	E	
IWMWGVER	C	

IWMWRCAA Information

IWMWRCAA Programming Interface information

Programming Interface information

IWMWRCAA

End of Programming Interface information

IWMWRCAA Heading Information • IWMWRCAA Map

IWMWRCAA Heading Information

Common Name: IWMRCOLL Answer Area
Macro ID: IWMWRCAA
DSECT Name: RCAA, RCAE and others
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: RCAA and RCAE
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: Pointed to by the ANSAREA_ADDR field in the IWMRCOLL parameter list
Serialization: None
Function: Contains workload activity reporting information

IWMWRCAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAA	Workload Activity Collection Answer Area
0	(0)	CHARACTER	4	RCAAACRO	Acronym
4	(4)	SIGNED	4	RCAASIZ	Size of RCAA and all of its subordinate parts
8	(8)	BITSTRING	1	RCAAVERS	Version
9	(9)	BITSTRING	1	RCAAMODE (0)	System WLM mode
		1...		RCAAGOAL	"X'80" System is in goal mode
		.1..		RCAACOMP	"X'40" System is in compatibility mode. Never on as of z/OS 1.3
		..1.		RCAAOVEL	"X'20" System is calculating velocity without using I/O delays.
		...1		RCAAICO	"X'10" 1: IFACrossOver=True
		.... 1...		RCAAHPO	"X'08" 1: IFAHonorPriority = True
		.... .1..		RCAAIDS	"X'04" 1: IFA processors run at different speed
		.... ..1.		RCAASDS	"X'02" 1: SUP processors run at different speed
		.... ...1		RCAAHPZ	"X'01" 1: SUPHonorPriority = True
10	(A)	CHARACTER	2	RCAAOPT	IEAOPTxx suffix
12	(C)	BITSTRING	8	RCAATMI	Local time reporting was last initialized (STCK format)
20	(14)	BITSTRING	8	RCAATMR	Local time this RCAA data was collected (STCK format)
28	(1C)	CHARACTER	32	RCAAGINF (0)	Goal mode information
28	(1C)	CHARACTER	8	RCAAPNAM	Policy name
36	(24)	BITSTRING	8	RCAAPTM	Local time policy was activated (STCK format)
44	(2C)	CHARACTER	8	RCAUID	Userid of person who activated policy
52	(34)	CHARACTER	8	RCAAPSYS	System that policy was activated on
60	(3C)	CHARACTER	24	RCAACINF (0)	Reserved - Note *
60	(3C)	CHARACTER	2	RCAAIPS	Reserved - Note *
62	(3E)	CHARACTER	2	RCAAICS	Reserved - Note *
64	(40)	CHARACTER	20	RCAASCO (0)	Reserved - Note *
64	(40)	CHARACTER	4	RCAAIPC	Reserved - Note *
68	(44)	CHARACTER	4	RCAAUPI	Reserved - Note *
72	(48)	CHARACTER	4	RCAAIPB	Reserved - Note *
76	(4C)	CHARACTER	8	RCAAIPM	Reserved - Note *
84	(54)	SIGNED	4	RCAANTVL	Current sample interval (in milliseconds). This is the frequency with which WLM samples delays reported in the RCAA
88	(58)	SIGNED	4	RCAANTV#	Total number of times WLM sampling code ran. A monitor issuing successive calls to IWMRCOLL should not assume that WLM sampling code ran at the interval specified by RCAANTVL between its calls. This field can be used to translate sampled state data into actual percentages of time.
92	(5C)	SIGNED	2	RCAABMPL	Length of an entry in the response time distribution mapping array (RCAABMAP)
94	(5E)	SIGNED	2	RCAABMP#	Number of response time distribution buckets
96	(60)	SIGNED	4	RCAABMPO	Offset from RCAA to response time distribution mapping array (RCAABMAP)
100	(64)	SIGNED	2	RCAASCAL	Length of one RCAE workload activity entry in the RCAASCOF array
102	(66)	SIGNED	2	RCAASCA#	Number of entries in RCAASCOF array. Number of service classes returned in IWMSVPOL by IWMPQRY
104	(68)	SIGNED	4	RCAASCOF	Offset from RCAA to array of RCAE entries which represent service classes
108	(6C)	SIGNED	2	RCAARCAL	Length of one RCAE workload activity entry in the RCAARCOF array
110	(6E)	SIGNED	2	RCAARCA#	Number of entries in RCAARCOF array which is the number of report classes returned in IWMSVPOL by IWMPQRY
112	(70)	SIGNED	4	RCAARCOF	Offset from RCAA to array of RCAE entries which represent report classes
116	(74)	SIGNED	4	RCAACLVL	Current change level
120	(78)	BITSTRING	8	RCAAINTI	Token that represents the time when WLM has completed building the RCAA. RCAAINTI must be used to determine whether a report class period is homogeneous or not.
128	(80)	SIGNED	4	RCAANFFI	Normalization factor for IFA. Multiply IFA times with this value and divide the result by 256 to obtain the equivalent time on a CP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
132	(84)	SIGNED	4	RCAANFFS	Normalization factor for SUP. Multiply SUP times with this value and divide the result by 256 to obtain the equivalent time on a CP
136	(88)	SIGNED	4	RCAAGDDOFF	Offset from RCAA to RCAAGDD
140	(8C)	SIGNED	4	RCAAADJCCPU	CPU adjustment factor
144	(90)	SIGNED	4	RCAAADJCCPUNOM	nominal CPU adjustment factor
148	(94)	SIGNED	4	RCAAADJCCCEC	CEC adjustment factor
148	(94)	X'98'	0	RCAA_LEN	**RCAA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAABMAP	RCAA response time distribution map array
0	(0)	SIGNED	4	RCAABENT	Response time distribution bucket mappings. Each word defines a maximum % of a goal (ie. 50, 70, 100, etc.) When used in conjunction with an RCAEDENT, a monitor product can show the number of transactions that completed in a percentage of a goal. The last entry in the array contains X'FFFFFFF'. This indicates that this bucket includes all transactions that completed with longer response times than the previous bucket.
0	(0)	X'4'	0	RCAABMAP_LEN	**RCAABMAP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAAICSS	Reserved - Note *
0	(0)	SIGNED	4	RCAAICSX	Reserved - Note *
4	(4)	SIGNED	4	RCAAICSM	Reserved - Note *
8	(8)	SIGNED	4	RCAAICSL	Reserved - Note *
8	(8)	X'C'	0	RCAAICSS_LEN	**RCAAICSS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAE	Workload Activity Collection Entry (RCAE). Pointed to by RCAASCOF and RCAARCOF which are within the RCAA.
0	(0)	CHARACTER	4	RCAEACRO	Acronym
4	(4)	BITSTRING	1	RCAEVERS	Version
5	(5)	BITSTRING	1	RCAETYPE (0)	What this RCAE represents
		1... ..		RCAEPGN	"X'80" Reserved - Note *
		.1.		RCAERPGN	"X'40" Reserved - Note *
		..1.		RCAESCL	"X'20" Service class
		...1		RCAERCL	"X'10" Report class
		.... 1...		RCAENIU	"X'08" Reserved - Note *
		.... .111		RCAEHRS1	"X'07" Reserved
6	(6)	SIGNED	2	RCAECLX	RCAE index. This is the index into the service class or report class list returned by IWMPQRY
8	(8)	CHARACTER	2	RCAEHRS2	Reserved
10	(A)	SIGNED	2	RCAEPER#	Number of period data entries for this RCAE.
12	(C)	SIGNED	4	RCAEPerl	Length of all of the period data associated with this RCAE entry.
16	(10)	SIGNED	4	RCAEPERO	Offset from RCAE to first period's data
20	(14)	SIGNED	2	RCAESCL#	Number of entries in the RCAESCLS array. That is, the number of service classes being served by one or more address spaces in the service class specified by RCAECLX.
22	(16)	SIGNED	2	RCAESCLL	Length of a single entry (RCAESCLS) in the server data array.
24	(18)	SIGNED	4	RCAESCLO	Offset from RCAE to RCAESCLS array. Zero indicates there is no server data available for this service class
28	(1C)	SIGNED	2	RCAECLSC	Indicating the index of the service class that last contributed to this report class. Zero for a service class entry.
30	(1E)	SIGNED	2	RCAEPERIODSWITHDATA	For report classes, the highest period number that was found in use since workload reporting was initialized. This number can grow over the time up to RCAEPER#. For service classes, RcaePeriodsWithData has the same value as RCAEPER#.
32	(20)	BITSTRING	8	RCAECMCI	Mixed class indication token that represents the time when a service class associated with the report class contributing data to the report class last changed. To determine whether this report class is heterogeneous, this token must be compared with RCAAINTI of the previous call to IWMRCOLL. If RCAECMCI is smaller than RCAAINTI, the report class is homogeneous for this collection interval
40	(28)	CHARACTER	4	RCAEHRS3	Reserved
40	(28)	X'2C'	0	RCAE_LEN	**RCAE"

IWMWRCAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAESCLS	RCAE - An entry in the service classes served array
0	(0)	SIGNED	2	RCAESCSN	Index of service class being served
2	(2)	CHARACTER	2	RCAERS1	Reserved
4	(4)	SIGNED	4	RCAESCS#	Number of times an address space running with this service class (RCAECLX) served service class (RCAESCSN).
4	(4)	X'8'	0	RCAESCLS_LEN	**-RCAESCLS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAEIHDR	RCAE - period header
0	(0)	BITSTRING	1	RCAEPERI	Period number
1	(1)	CHARACTER	1	RCAEIRSV	Reserved
2	(2)	CHARACTER	2	RCAECOMP (0)	Reserved - Note *
2	(2)	BITSTRING	1	RCAEDMN	Reserved - Note *
3	(3)	BITSTRING	1	RCAETSGN	Reserved - Note *
4	(4)	SIGNED	2	RCAEIRLN	Length of resource data section (RCAERESC)
6	(6)	CHARACTER	2	RCAEIRS1	Reserved
8	(8)	SIGNED	4	RCAEIROF	Offset from RCAEIHDR to resource data (RCAERESC). Zero indicates there is no resource data for this period
12	(C)	SIGNED	2	RCAEIPLN	Length of response time section (RCAERST)
14	(E)	CHARACTER	2	RCAEIRS2	Reserved
16	(10)	SIGNED	4	RCAEIPOF	Offset from RCAEIHDR to response time data (RCAERST). Zero indicates there is no response time data available for this period
20	(14)	SIGNED	2	RCAEIGLN	Length of general execution delay section (RCAEDELA)
22	(16)	CHARACTER	2	RCAEIRS3	Reserved
24	(18)	SIGNED	4	RCAEIGOF	Offset from RCAEIHDR to general execution delay data (RCAEDELA). Zero indicates there is no general execution delay data is available for this period
28	(1C)	SIGNED	2	RCAEID#	Number of entries in the response time distribution section (RCAEDIST). Zero if there is no distribution for this period
30	(1E)	SIGNED	2	RCAEIDLN	Length of response time distribution section (RCAEDIST)
32	(20)	SIGNED	4	RCAEIDOF	Offset from RCAEIHDR to response time distribution data (RCAEDIST). This field is zero for report classes when there are no response time goals specified, or when no response time data is available for this period
36	(24)	SIGNED	2	RCAEIS#	Number of entries in the subsystem work manager delay section (RCAEEELA). Zero if there are no subsystem work manager delays for this period
38	(26)	SIGNED	2	RCAEISLN	Length of subsystem work manager delay section (RCAEEELA)
40	(28)	SIGNED	4	RCAEISOF	Offset from RCAEIHDR to subsystem work manager delay data (RCAEEELA). Zero indicates there is no subsystem work manager delay data for this period
44	(2C)	SIGNED	4	RCAEINXP	Offset from RCAEIHDR to next period's data or zero if last period
48	(30)	SIGNED	2	RCAEPLSC	Index of the service class that last contributed to this report class. For homogeneous report class periods, this service class period's goal must be used to format the response time distribution for ended transactions reported in this report class. Zero for a service class entry
50	(32)	SIGNED	2	RCAEIRCT	Total number of times RCAEIMID and RCAEITST were changed after last policy activation. This counter may wrap over.
52	(34)	BITSTRING	8	RCAEPMCI	Mixed class indication token that represents the time when RCAEPLSC last changed. To determine whether this report class period is heterogeneous over the reporting interval, this token must be compared with RcaalNTI from the IWMRCOLL invocation at the start of the interval. If RcaePMCI is smaller than RcaalNTI, the report class period is homogenous for this collection interval
60	(3C)	CHARACTER	8	RCAEITST	Timestamp of the last RCAEIMID change. Binary zeroes when no RCAEIMID has been defined or calculated for this period before.
68	(44)	SIGNED	4	RCAEIMID	Midpoint of response time distribution, in milliseconds. Zero when not defined. Equal to goal if this is a period with response time goal.
72	(48)	SIGNED	4	RCAEIRS5	Reserved
72	(48)	X'4C'	0	RCAEIHDR_LEN	**-RCAEIHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAERESC	RCAE - resource data. All service units are weighted by the coefficients specified in the active policy
0	(0)	CHARACTER	8	RCAESRV (0)	Total service units for period
0	(0)	SIGNED	4	RCAESRV1	Total service units for period - word 1
4	(4)	SIGNED	4	RCAESRV2	Total service units for period - word 2
8	(8)	CHARACTER	8	RCAECPU (0)	Total CPU service units
8	(8)	SIGNED	4	RCAECPU1	Total CPU service units - word 1
12	(C)	SIGNED	4	RCAECPU2	Total CPU service units - word 2
16	(10)	CHARACTER	8	RCAEIOC (0)	Total I/O service units
16	(10)	SIGNED	4	RCAEIOC1	Total I/O service units - word 1
20	(14)	SIGNED	4	RCAEIOC2	Total I/O service units - word 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	CHARACTER	8	RCAEMSO (0)	Total MSO service units
24	(18)	SIGNED	4	RCAEMSO1	Total MSO service units - word 1
28	(1C)	SIGNED	4	RCAEMSO2	Total MSO service units - word 2
32	(20)	CHARACTER	8	RCAESRB (0)	Total SRB service units
32	(20)	SIGNED	4	RCAESRB1	Total SRB service units - word 1
36	(24)	SIGNED	4	RCAESRB2	Total SRB service units - word 2
40	(28)	CHARACTER	8	RCAEPIR (0)	Total page-ins count
40	(28)	SIGNED	4	RCAEPIR1	Total page-ins count - word 1
44	(2C)	SIGNED	4	RCAEPIR2	Total page-ins count - word 2
48	(30)	CHARACTER	8	RCAEHSP (0)	Total hiperspace page-ins count - word 2
48	(30)	SIGNED	4	RCAEHSP1	Total hiperspace page-ins count - word 1
52	(34)	SIGNED	4	RCAEHSP2	Total hiperspace page-ins count - word 2
56	(38)	CHARACTER	8	RCAEBPIR (0)	Total block page-ins from aux
56	(38)	SIGNED	4	RCAEBPI1	Total block page-ins from aux - word 1
60	(3C)	SIGNED	4	RCAEBPI2	Total block page-ins from aux - word 2
64	(40)	CHARACTER	8	RCAEPIE (0)	Total page-ins from expanded count
64	(40)	SIGNED	4	RCAEPIE1	Total page-ins from expanded count - word 1
68	(44)	SIGNED	4	RCAEPIE2	Total page-ins from expanded count - word 2
72	(48)	CHARACTER	8	RCAEBPIE (0)	Total block page-ins from expanded count
72	(48)	SIGNED	4	RCAEBPE1	Total block page-ins from expanded count - word 1
76	(4C)	SIGNED	4	RCAEBPE2	Total block page-ins from expanded count - word 2
80	(50)	CHARACTER	8	RCAEBKIA (0)	Total aux blocks paged in
80	(50)	SIGNED	4	RCAEBKA1	Total aux blocks paged in - word 1
84	(54)	SIGNED	4	RCAEBKA2	Total aux blocks paged in - word 2
88	(58)	CHARACTER	8	RCAEBKIE (0)	Total expanded blocks paged in
88	(58)	SIGNED	4	RCAEBKE1	Total expanded blocks paged in - word 1
92	(5C)	SIGNED	4	RCAEBKE2	Total expanded blocks paged in - word 2
96	(60)	CHARACTER	8	RCAEPRS (0)	Total page residency time (in 1024 microsecond units)
96	(60)	SIGNED	4	RCAEPRS1	Total page residency time - word 1
100	(64)	SIGNED	4	RCAEPRS2	Total page residency time - word 2
104	(68)	CHARACTER	8	RCAEERS (0)	Total expanded page residency time (in 1024 microsecond units)
104	(68)	SIGNED	4	RCAEERS1	Total expanded page residency time - word 1
108	(6C)	SIGNED	4	RCAEERS2	Total expanded page residency time - word 2
112	(70)	CHARACTER	8	RCAETRR (0)	Total in-storage residency time (in 1024 microsecond units)
112	(70)	SIGNED	4	RCAETRR1	Total in-storage residency time - word 1
116	(74)	SIGNED	4	RCAETRR2	Total in-storage residency time - word 2
120	(78)	CHARACTER	8	RCAETAT (0)	Total transaction active time (in 1024 microsecond units)
120	(78)	SIGNED	4	RCAETAT1	Total transaction active time - word 1
124	(7C)	SIGNED	4	RCAETAT2	Total transaction active time - word 2
128	(80)	SIGNED	4	RCAERCT	Total RCT time (in microsecond units)
132	(84)	SIGNED	4	RCAEIT	Total I/O interrupt time (in microsecond units)
136	(88)	SIGNED	4	RCAEHST	Total hiperspace service time (in microsecond units)
140	(8C)	SIGNED	4	RCAESWC	Total swap count
144	(90)	SIGNED	4	RCAECRMS	Total hiperspace eso read miss count
148	(94)	CHARACTER	8	RCAESPP1 (0)	Total shared page-ins from aux count
148	(94)	SIGNED	4	RCAESPP1	Total shared page-ins from aux count - word 1
152	(98)	SIGNED	4	RCAESPP2	Total shared page-ins from aux count - word 2
156	(9C)	CHARACTER	8	RCAESPE1 (0)	Total shared page-ins from expanded count
156	(9C)	SIGNED	4	RCAESPE1	Total shared page-ins from expanded count - word 1
160	(A0)	SIGNED	4	RCAESPE2	Total shared page-ins from expanded count - word 2
164	(A4)	CHARACTER	8	RCAESPRS (0)	Total shared page residency time (in 1024 microsecond units)
164	(A4)	SIGNED	4	RCAESPRS1	Total shared page residency time - word 1
168	(A8)	SIGNED	4	RCAESPRS2	Total shared page residency time - word 2
172	(AC)	CHARACTER	8	RCAEIOCT (0)	Total DASD I/O connect time in 128 microsecond units
172	(AC)	SIGNED	4	RCAEIOCT1	- word 1
176	(B0)	SIGNED	4	RCAEIOCT2	- word 2
180	(B4)	CHARACTER	8	RCAEIOWT (0)	Total DASD I/O wait time (Queue time + Pending time in 128 microsecond units) Note: Does not include IOS queue time.
180	(B4)	SIGNED	4	RCAEIOWT1	- word 1
184	(B8)	SIGNED	4	RCAEIOWT2	- word 2
188	(BC)	SIGNED	4	RCAEIORC	Total DASD I/O count. This can be used with fields RCAEIOCT, RCAEIODT, RCAEIOWT, RCAEIOST to determine average DASD response time for the period
192	(C0)	CHARACTER	4	RCAERRS1	Reserved
196	(C4)	CHARACTER	8	RCAEIODT (0)	Total DASD I/O disconnect time in 128 microsecond units
196	(C4)	SIGNED	4	RCAEIODT1	- word 1
200	(C8)	SIGNED	4	RCAEIODT2	- word 2
204	(CC)	CHARACTER	8	RCAEIOST (0)	Total DASD IOS queue time in 128 microsecond units
204	(CC)	SIGNED	4	RCAEIOST1	- word 1
208	(D0)	SIGNED	4	RCAEIOST2	- word 2
212	(D4)	CHARACTER	8	RCAEIOQT (0)	Total DASD I/O control unit queue time in 128 microsecond units
212	(D4)	SIGNED	4	RCAEIOQT1	- word 1
216	(D8)	SIGNED	4	RCAEIOQT2	- word 2

IWMWRCAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
220	(DC)	CHARACTER	8	RCAEIEAT (0)	Independent enclave total transaction active time (in 1024 microsecond units) for enclaves that originated on this system.
220	(DC)	SIGNED	4	RCAEIEA1	- word 1
224	(E0)	SIGNED	4	RCAEIEA2	- word 2
228	(E4)	CHARACTER	8	RCAEXEAT (0)	Exported enclave total transaction active time (in 1024 microsecond units).
228	(E4)	SIGNED	4	RCAEXEA1	- word 1
232	(E8)	SIGNED	4	RCAEXEA2	- word 2
236	(EC)	CHARACTER	8	RCAEFEAT (0)	Foreign enclave total transaction active time (in 1024 microsecond units).
236	(EC)	SIGNED	4	RCAEFEA1	- word 1
240	(F0)	SIGNED	4	RCAEFEA2	- word 2
244	(F4)	CHARACTER	8	RCAEENQCPUTIMECONSUMED (0)	CPU time consumed while dispatching priority was temporarily raised because the work held a resource that other work needed (in 1.024 milliseconds units)
244	(F4)	SIGNED	4	RCAEENQCPUTIMECONSUMED1	- word 1
248	(F8)	SIGNED	4	RCAEENQCPUTIMECONSUMED2	- word 2
252	(FC)	CHARACTER	8	RCAEIFAT (0)	Total IFA service time in microseconds. Multiply with RCAANFFI and divide by 256 to calculate the equivalent time on a CP
252	(FC)	SIGNED	4	RCAEIFAT1	- word 1
256	(100)	SIGNED	4	RCAEIFAT2	- word 2
260	(104)	CHARACTER	8	RCAEIFATONCP (0)	Total IFA time spent on CPs (in microseconds)
260	(104)	SIGNED	4	RCAEIFATONCP1	- word 1
264	(108)	SIGNED	4	RCAEIFATONCP2	- word 2
268	(10C)	CHARACTER	8	RCAEIFASU (0)	Total IFA service units. Multiply with RCAANFFI and divide by 256 to calculate the CP equivalent value
268	(10C)	SIGNED	4	RCAEIFASU1	- word 1
272	(110)	SIGNED	4	RCAEIFASU2	- word 2
276	(114)	CHARACTER	8	RCAEIFASUONCP (0)	Total IFA eligible service units spent on CP
276	(114)	SIGNED	4	RCAEIFASUONCP1	- word 1
280	(118)	SIGNED	4	RCAEIFASUONCP2	- word 2
284	(11C)	CHARACTER	8	RCAESUPSU (0)	Total SUP service units. Multiply with RCAANFFS and divide by 256 to calculate the CP equivalent value
284	(11C)	SIGNED	4	RCAESUPSU1	- word 1
288	(120)	SIGNED	4	RCAESUPSU2	- word 2
292	(124)	CHARACTER	8	RCAESUPSUONCP (0)	Total SUP eligible service units spent on CP
292	(124)	SIGNED	4	RCAESUPSUONCP1	- word 1
296	(128)	SIGNED	4	RCAESUPSUONCP2	- word 2
300	(12C)	CHARACTER	8	RCAETIMEATPDP (0)	Time at promotion dispatch interval in units of 1.024 milliseconds
300	(12C)	SIGNED	4	RCAETIMEATPDP1	- word 1
304	(130)	SIGNED	4	RCAETIMEATPDP2	- word 2
308	(134)	CHARACTER	8	RCAECRMCPUTIMECONSUMED (0)	CPU time consumed while dispatching priority was temporarily raised by chronic resource contention management because the work held a resource that other work needed (in 1.024 milliseconds units)
308	(134)	SIGNED	4	RCAECRMCPUTIMECONSUMED1	- word 1
312	(138)	SIGNED	4	RCAECRMCPUTIMECONSUMED2	- word 2
316	(13C)	CHARACTER	8	RCAEHDLOCKPROMOTIONTIMEATPDP (0)	CPU time consumed while dispatching priority was temporarily raised to shorten the lock hold time of a system suspend lock (in 1.024 milliseconds units). Promotion only in HD=YES mode
316	(13C)	SIGNED	4	RCAEHDLOCKPROMOTIONTIMEATPDP1	word 1
320	(140)	SIGNED	4	RCAEHDLOCKPROMOTIONTIMEATPDP2	word 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
324	(144)	CHARACTER	8	RCAEVARTIMEATPDP (0)	word 2
324	(144)	SIGNED	4	RCAEVARTIMEATPDP1	Time at variable promotion dispatching priority
328	(148)	SIGNED	4	RCAEVARTIMEATPDP2	- word 1
332	(14C)	CHARACTER	8	RCAEIOTT (0)	Total DASD I/O induced throttle time in 128 microsecond units
332	(14C)	SIGNED	4	RCAEIOTT1	- word 1
336	(150)	SIGNED	4	RCAEIOTT2	- word 2
340	(154)	CHARACTER	8	RCAEIONT (0)	Total DASD I/O contention time in 128 microsecond units
340	(154)	SIGNED	4	RCAEIONT1	- word 1
344	(158)	SIGNED	4	RCAEIONT2	- word 2
348	(15C)	CHARACTER	8		Reserved
348	(15C)	X'164'	0	RCAERESC_LEN	""-RCAERESC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAERST	RCAE - response time data
0	(0)	SIGNED	4	RCAERCP	Count of transaction completions for this period. This field also includes transaction completions reported by subsystem work managers via the IWMRPT service
4	(4)	SIGNED	4	RCAEARCP	Count of transactions that completed abnormally as reported by subsystem work managers. This value is not part of RCAERCP and should not be used for response time calculations.
8	(8)	SIGNED	4	RCAENCP	Count of times an execution phase has completed by the subsystem work managers via the IWMNTFY service.
12	(C)	SIGNED	4	RCAEANCP	Count of transactions that completed their execution phase abnormally as reported by subsystem work manager. This value is not part of RCANCP and should not be used for execution response time calculations
16	(10)	CHARACTER	8	RCAETET (0)	Total transaction elapsed time (in 1024 microsecond units)
16	(10)	SIGNED	4	RCAETET1	- word 1
20	(14)	SIGNED	4	RCAETET2	- word 2
24	(18)	CHARACTER	8	RCAEXET (0)	Total transaction execution time (in 1024 microsecond units)
24	(18)	SIGNED	4	RCAEXET1	- word 1
28	(1C)	SIGNED	4	RCAEXET2	- word 2
32	(20)	CHARACTER	8	RCAESTT (0)	Reserved - Note *
32	(20)	SIGNED	4	RCAESTT1	Reserved - Note *
36	(24)	SIGNED	4	RCAESTT2	Reserved - Note *
40	(28)	CHARACTER	8	RCAEETS (0)	Sum of transaction elapsed times squared (in 1024 microsecond units)
40	(28)	SIGNED	4	RCAEETS1	- word 1
44	(2C)	SIGNED	4	RCAEETS2	- word 2
48	(30)	CHARACTER	8	RCAEQDT (0)	Total queue delay time. For batch jobs this is the time jobs spent on the job queue while eligible to run on some system. In other words this is the time jobs spent waiting for an initiator. For TSO users, this time can be a portion of the LOGON process. For APPC this is the time an APPC request spends on an APPC queue (in 1024 microsecond units)
48	(30)	SIGNED	4	RCAEQDT1	- word 1
52	(34)	SIGNED	4	RCAEQDT2	- word 2
56	(38)	CHARACTER	8	RCAEADT (0)	Total time batch jobs were ineligible to run because a resource the job had affinity to was unavailable. Only applies to batch work. Zero for other work types (in 1024 microsecond units)
56	(38)	SIGNED	4	RCAEADT1	- word 1
60	(3C)	SIGNED	4	RCAEADT2	- word 2
64	(40)	CHARACTER	8	RCAECVT (0)	Total time batch jobs spent in JCL conversion. Only applies to batch work. Zero for other work types (in 1024 microsecond units)
64	(40)	SIGNED	4	RCAECVT1	- word 1
68	(44)	SIGNED	4	RCAECVT2	- word 2
72	(48)	CHARACTER	8	RCAEIQT (0)	Total time batch jobs spend on job queue after JCL conversion while ineligible to run on any system for reasons other than resource affinities. For example, this time can include operator hold of a job, delays due to duplicate job names, delays due to job class limits. Only applies to batch work. Zero for other work types (in 1024 microsecond units)
72	(48)	SIGNED	4	RCAEIQT1	- word 1
76	(4C)	SIGNED	4	RCAEIQT2	- word 2
80	(50)	SIGNED	4		Reserved
84	(54)	SIGNED	4		Reserved
84	(54)	X'58'	0	RCAERST_LEN	""-RCAERST"

IWMWRCAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAEDIST	RCAE - response time distribution array
0	(0)	SIGNED	4	RCAEDENT	An entry in the RCAE response time distribution array. Each entry in the array contains the number of transactions that completed in the time period represented by that entry. When used with the response time distribution bucket mapping (RCAABMAP), monitors can construct a distribution of completions verses goals specified.
0	(0)	X'4'	0	RCAEDIST_LEN	**-RCAEDIST"
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAEDELA	RCAE - general execution delay data
0	(0)	CHARACTER	8	RCAEVELC (0)	Execution velocity data
0	(0)	SIGNED	4	RCAECUSE	CPU using samples
4	(4)	SIGNED	4	RCAETOTD	Total delay samples used in SRM's execution velocity calculation
8	(8)	CHARACTER	48	RCAEEDLA (0)	General execution delays included in RCAETOTD. Each dispatchable unit of work sampled can increase one of the CPU or paging delay samples
8	(8)	SIGNED	4	RCAECDEL	CPU delay. A TCB or SRB is waiting to be dispatched (other than the first in-line behind sampler) or a TCB is waiting for local lock.
12	(C)	SIGNED	4	RCAECCAP	CPU capping delay. A TCB or SRB is marked non-dispatchable because a resource group maximum is being enforced. Note that RCAECCAP is NOT a subset of RCAECDEL
16	(10)	SIGNED	4	RCAESWIN	Swap-in delay. Swap-in has started, but not completed
20	(14)	SIGNED	4	RCAEDMPL	MPL delay. Ready, but swap-in has not started
24	(18)	SIGNED	4	RCAEAPRV	Aux page from private
28	(1C)	SIGNED	4	RCAEACOM	Aux page from common
32	(20)	SIGNED	4	RCAEXM	Aux page from cross memory
36	(24)	SIGNED	4	RCAEVIO	Aux page from vio
40	(28)	SIGNED	4	RCAEHSPC	Aux page from standard hiperspaces
44	(2C)	SIGNED	4	RCAECHS	Aux page from eso hiperspaces
48	(30)	SIGNED	4	RCAEASPD	Shared paging from aux delay
52	(34)	CHARACTER	4	RCAEDRS1	Reserved
56	(38)	SIGNED	4	RCAEUNKN	Unknown. Dispatchable unit or address space is waiting, but none of the above reasons apply. These samples are not included in RCAETOTD
60	(3C)	SIGNED	4	RCAEIDLE	Idle. Work is in STIMER wait, TSO terminal wait, APPC wait, or is an initiator waiting for work. These samples are not included in RCAETOTD
64	(40)	SIGNED	4	RCAEPDEL	Resource group capping delay. Group maximum is being enforced for work in this service class. This delay only accounts for address spaces in the service class that are currently swapped in. These samples are not included in RCAETOTD
68	(44)	SIGNED	4	RCAEPQUI	Quiesce delay. Some work in this service class has been reset via the RESET xxx,QUIESCE command. These samples are not included in RCAETOTD
72	(48)	SIGNED	4	RCAESAC	Sampled transaction count. Number of address spaces and enclaves that contributed delay and using samples to this service class. These samples are not included in RCAETOTD
76	(4C)	SIGNED	4	RCAETOTU	Total usings. Velocity should be calculated as RCAETOTU/(RCAETOTD+RCAETOTU)
80	(50)	SIGNED	4	RCAEIOU	Total I/O usings. These are included in RCAETOTU. Only non-paging DASD I/O can contribute to I/O usings
84	(54)	CHARACTER	28	RCAEEDL2 (0)	Second set of execution delays included in RCAETOTD
84	(54)	SIGNED	4	RCAEIOD	DASD I/O delay samples
88	(58)	SIGNED	4	RCAEQ	Queue delay samples. Work is waiting for a server
92	(5C)	SIGNED	4	RCAESPRV	Server private area paging delay samples
96	(60)	SIGNED	4	RCAESVIO	Server space VIO paging delay samples
100	(64)	SIGNED	4	RCAESHSP	Server hiperspace paging delay samples
104	(68)	SIGNED	4	RCAESMPL	Server MPL delay samples
108	(6C)	SIGNED	4	RCAESSWI	Server swap-in delay samples
112	(70)	CHARACTER	8	RCAETOTS (0)	Total execution samples. It is the sum of RCAETOTU, RCAETOTD, RCAEUNKN, RCAEIDLE. Also always includes I/O using/delay samples whether or not I/O samples are included in RCAETOTU/RCAETOTD
112	(70)	SIGNED	4	RCAETOTS1	- word 1
116	(74)	SIGNED	4	RCAETOTS2	- word 2
120	(78)	SIGNED	4	RCAENDIO	Non-DASD I/O using or delay samples.
124	(7C)	SIGNED	4	RCAETOTDQ	Total delay samples always including batch queue delay. For service classes that contain batch jobs that were not run in WLM managed initiators the batch queue delay samples are derived from the measured batch queue delay time. For service classes that contain only jobs that ran in WLM managed initiators this value is the same as RCEATOTD. RCAETOTDQ can be used as a migration aid to determine what a batch service class period's velocity will be if all its jobs are run in WLM managed initiators
128	(80)	SIGNED	4	RCAECRYPTOCAMU	CAM crypto using samples. A task was found executing on a Cryptographic Asynchronous Message Processor (CAP).

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
132	(84)	SIGNED	4	RCAECRYPTOCAMD	CAM crypto delay samples. A task was found waiting for a Cryptographic Asynchronous Message Processor (CAP)
136	(88)	SIGNED	4	RCAECRYPTOAPU	AP crypto using samples. A task was found executing on a PCI Cryptographic Coprocessor (PCICC).
140	(8C)	SIGNED	4	RCAECRYPTOAPD	AP crypto delay samples. A task was found waiting for a PCI Cryptographic Coprocessor (PCICC).
144	(90)	SIGNED	4	RCAEFEATUREQD	Feature queue delay samples. A task or srb was found waiting on a processor feature queue associated with a CPU. This is a subset of RCAECDEL. Note, RCAECUSE includes feature queue using samples
148	(94)	SIGNED	4	RCAERESOURCECONTENTIONDELAY	Contention delay samples. One sample is accumulated for each resource held. Only resource holders identified via IWMCNTN are reported
152	(98)	SIGNED	4	RCAERESOURCECONTENTIONUSING	Contention using samples. One sample is accumulated for each resource in use. Only resource users identified via IWMCNTN are reported
156	(9C)	SIGNED	4	RCAEIFACU	IFA using samples
160	(A0)	SIGNED	4	RCAEIFACUONCP	IFA on CP using samples
164	(A4)	SIGNED	4	RCAEIFADL	IFA delay samples
168	(A8)	SIGNED	4	RCAESUPCU	SUP using samples
172	(AC)	SIGNED	4	RCAESUPCUONCP	SUP on CP using samples
176	(B0)	SIGNED	4	RCAESUPDL	SUP delay samples
180	(B4)	CHARACTER	4	RCAERESERVED	Reserved
180	(B4)	X'B8'	0	RCAEDELA_LEN	""-RCAEDELA"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	RCAEEELA	RCAE - Subsystem work manager delays
0	(0)	CHARACTER	172	RCAEEENT (0)	An entry in the subsystem work manager delay array
0	(0)	CHARACTER	4	RCAESTYP	Subsystem type, as used in the classification rules specified in the WLM administrative application. The subsystem's documentation should explain the meaning that the product attributes to the various states
4	(4)	BITSTRING	1	RCAEEFLG (0)	Flags
		1... ..		RCAEDBE	"X'80" Represents states sampled in the begin to end phase of a transaction
		.1... ..		RCAEEXEC	"X'40" Represents states sampled in the execution phase of a transaction
		..11 1111		RCAESRS1	"X'3F" Reserved
5	(5)	CHARACTER	3	RCAESRS2	Reserved
8	(8)	SIGNED	4	RCAEESS#	Total number of transaction states sampled in the work phase specified by RCAEEFLG
12	(C)	SIGNED	4	RCAEACTV	Total number of active state samples. Active indicates that there is a program executing on behalf of the work request, from the perspective of the work manager. This does not mean that the program is active from the base control program's perspective
16	(10)	SIGNED	4	RCAERDY	Total number of ready state samples. Ready indicates that there is a program ready to execute on behalf of the work request described by the monitoring environment, but the work manager has given priority to another work request
20	(14)	SIGNED	4	RCAEIDL	Total number of idle state samples. This indicates the number of times the work manager see a transaction as idle.
24	(18)	SIGNED	4	RCAEWLOK	Total number of waiting for lock state samples.
28	(1C)	SIGNED	4	RCAEWIO	Total number of waiting for I/O state samples. Waiting for I/O indicates that the work manager is waiting for an activity related to an I/O request. This may be an actual I/O operation or some other function associated with the I/O request
32	(20)	SIGNED	4	RCAEWCON	Total number of waiting for conversation state samples. Waiting for conversation may have been used in conjunction with the WLM service IWMMSWCH to identify where the recipient of the conversation is located. In this case, only the switched state will be recorded
36	(24)	SIGNED	4	RCAEWDST	Total number of waiting for distributed request state samples. Waiting for distributed request indicates a high level that some function or data must be routed prior to resumption of the work request. This is to be contrasted with waiting for conversation, which is a low level view of the precise resource that is needed. A distributed request could involve waiting on a conversation as part of its processing
40	(28)	SIGNED	4	RCAEWSL	Waiting for a session to be established locally, that is, on the current MVS image
44	(2C)	SIGNED	4	RCAEWSN	Waiting for a session to be established somewhere in the network
48	(30)	SIGNED	4	RCAEWSS	Waiting for a session to be established somewhere in the sysplex
52	(34)	SIGNED	4	RCAEWTMR	Waiting for a timer
56	(38)	SIGNED	4	RCAEWO	Waiting for another product

IWMWRCAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	SIGNED	4	RCAEWMSC	Waiting for unidentified resource, possibly among another more specific category, but which may not be readily determined
64	(40)	SIGNED	4	RCAESSL	State representing transactions for which there are logical continuations on this MVS image. Subsystem work managers might set this state when they function ship a transaction to another component within the same MVS image
68	(44)	SIGNED	4	RCAESSS	State representing transactions for which there are logical continuations on another MVS image in the sysplex. Subsystem work managers might set this state when they function ship a transaction to another component on another MVS image within the sysplex
72	(48)	SIGNED	4	RCAESSN	State representing transactions for which there are logical continuations somewhere within the network. Subsystem work managers might set this state when they function ship a transaction to another component within the network
76	(4C)	SIGNED	4	RCAEBPMI	State representing buffer pool misses that resulted in I/O
80	(50)	SIGNED	4	RCAEBPMC	Reserved
84	(54)	SIGNED	4	RCAEBPCM	Reserved
88	(58)	SIGNED	4	RCAECFMI	Reserved
92	(5C)	SIGNED	4	RCAEWNL	Waiting for new latch
96	(60)	SIGNED	4	RCAEACTA	Total number of active application state samples
100	(64)	SIGNED	4	RCAEWSSL	Total number of waiting for SSL thread samples
104	(68)	SIGNED	4	RCAEWRET	Total number of waiting for regular thread samples
108	(6C)	SIGNED	4	RCAEWREW	Total number of waiting for registration worktable samples
112	(70)	SIGNED	4	RCAETYP1	Total number of waiting for TYPE 1 samples
116	(74)	SIGNED	4	RCAETYP2	Total number of waiting for TYPE 2 samples
120	(78)	SIGNED	4	RCAETYP3	Total number of waiting for TYPE 3 samples
124	(7C)	SIGNED	4	RCAETYP4	Total number of waiting for TYPE 4 samples
128	(80)	SIGNED	4	RCAETYP5	Total number of waiting for TYPE 5 samples
132	(84)	SIGNED	4	RCAETYP6	Total number of waiting for TYPE 6 samples
136	(88)	SIGNED	4	RCAETYP7	Total number of waiting for TYPE 7 samples
140	(8C)	SIGNED	4	RCAETYP8	Total number of waiting for TYPE 8 samples
144	(90)	SIGNED	4	RCAETYP9	Total number of waiting for TYPE 9 samples
148	(94)	SIGNED	4	RCAETY10	Total number of waiting for TYPE 10 samples
152	(98)	SIGNED	4	RCAETY11	Total number of waiting for TYPE 11 samples
156	(9C)	SIGNED	4	RCAETY12	Total number of waiting for TYPE 12 samples
160	(A0)	SIGNED	4	RCAETY13	Total number of waiting for TYPE 13 samples
164	(A4)	SIGNED	4	RCAETY14	Total number of waiting for TYPE 14 samples
168	(A8)	SIGNED	4	RCAETY15	Total number of waiting for TYPE 15 samples
344	(158)	X'158'	0	RCAEEELA_LEN	**-RCAEEELA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAAGDD	Class definition for all generic delay state descriptions
0	(0)	CHARACTER	4	RCAAGDDACRO	Acronym
4	(4)	BITSTRING	1	RCAAGDDVERS	Version
5	(5)	CHARACTER	1	RCAAGDDRS1	Reserved
6	(6)	SIGNED	2	RCAAGDDENTRYL	Length of one entry. Each single entry (RCAAGDDE) contains the description for one generic delay
8	(8)	SIGNED	2	RCAAGDDENTRY#	Number of entries (RCAAGDDE)
10	(A)	SIGNED	2	RCAAGDDENTRYO	Offset of the first RCAAGDDE entry from beginning of RCAAGDD
10	(A)	X'C'	0	RCAAGDD_LEN	**-RCAAGDD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCAAGDDE	Class definition for one single generic delay state description. For each combination of subsystem and delay state number there is one entry. The entries for one subsystem are ordered by delay state number RcaaEGDDNum in ascending order
0	(0)	CHARACTER	4	RCAAEGDDSUB	Subsystem type
4	(4)	SIGNED	2	RCAAEGDDNUM	Delay state number
6	(6)	CHARACTER	16	RCAAEGDDDESC	Description
6	(6)	X'C3C1C1'	0	RCAANAME	"C'RCAA" 'RCAA' ACRONYM

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>The RCAAVID and RCAEVID must be changed if new fields are added to any area in the RQAA output area (see APAR OW11082). This is to keep vendor products aware of changes to the output area. RQAA_VERSION4 - RQAA_VERSION8 are reserved.</p>					
End of Comment					
6	(6)	X'1'	0	RCAA_VERSION1	"1" RCAA version 1. 1=HBB5510
6	(6)	X'2'	0	RCAA_VERSION2	"2" RCAA version 2. 2=HBB5520
6	(6)	X'3'	0	RCAA_VERSION3	"3" RCAA version 3. 3=HBB6603
6	(6)	X'4'	0	RCAA_VERSION4	"4" RCAA version 4. 4=JBB6604
6	(6)	X'9'	0	RCAA_VERSION9	"9" RCAA version 9. 9=JBB6609
6	(6)	X'C'	0	RCAA_VERSION12	"12" RCAA version 12. 12=HBB7705
6	(6)	X'D'	0	RCAA_VERSION13	"13" RCAA version 13. 13=OW51848
6	(6)	X'E'	0	RCAA_VERSION14	"14" RCAA version 14. 14=HBB7707
6	(6)	X'10'	0	RCAA_VERSION16	"16" RCAA version 16. 16=HBB7709
6	(6)	X'11'	0	RCAA_VERSION17	"17" RCAA version 17. 17=SUP support
6	(6)	X'12'	0	RCAA_VERSION18	"18" RCAA version 18. 18=HBB7740
6	(6)	X'13'	0	RCAA_VERSION19	"19" RCAA version 19. 19=HBB7750
6	(6)	X'14'	0	RCAA_VERSION20	"20" RCAA version 20. 20=HBB7760
6	(6)	X'15'	0	RCAA_VERSION21	"21" RCAA version 21. 21=HBB7770
6	(6)	X'16'	0	RCAA_VERSION22	"22" RCAA version 22. 22=HBB7780
6	(6)	X'17'	0	RCAA_VERSION23	"23" RCAA version 23. 23=HBB7790
6	(6)	X'17'	0	RCAAVID	"23" Current version level
6	(6)	X'1'	0	RCAA_LEVEL1	"1" RCAA level. 1=Crypto Reporting, Multi period report classes, Work manager delays for Enclaves
6	(6)	X'2'	0	RCAA_LEVEL2	"2" RCAA level. 2=Fields for OA34801, now reserved
6	(6)	X'2'	0	RCAALEVL	"2" Current level
6	(6)	X'C3C1C5'	0	RCAENAME	"C'RCAE'" 'RCAE' ACRONYM
6	(6)	X'1'	0	RCAE_VERSION1	"1" RCAE version 1. 1=HBB5510
6	(6)	X'2'	0	RCAE_VERSION2	"2" RCAE version 2. 2=HBB5520
6	(6)	X'3'	0	RCAE_VERSION3	"3" RCAE version 3. 3=HBB6603
6	(6)	X'4'	0	RCAE_VERSION4	"4" RCAE version 4. 4=JBB6604
6	(6)	X'9'	0	RCAE_VERSION9	"9" RCAE version 9. 9=JBB6609
6	(6)	X'C'	0	RCAE_VERSION12	"12" RCAE version 12. 12=HBB7705
6	(6)	X'D'	0	RCAE_VERSION13	"13" RCAE version 13. 13=OW51848
6	(6)	X'E'	0	RCAE_VERSION14	"14" RCAE version 14. 14=HBB7707
6	(6)	X'10'	0	RCAE_VERSION16	"16" RCAE version 16. 16=HBB7709
6	(6)	X'11'	0	RCAE_VERSION17	"17" RCAE version 17. 17=SUP support
6	(6)	X'12'	0	RCAE_VERSION18	"18" RCAE version 18. 18=HBB7740
6	(6)	X'13'	0	RCAE_VERSION19	"19" RCAE version 19. 19=HBB7750
6	(6)	X'14'	0	RCAE_VERSION20	"20" RCAE version 20. 20=HBB7760

IWMWRCAA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
6	(6)	X'15'	0	RCAE_VERSION21	"21" RCAE version 21. 21=HBB7770
6	(6)	X'16'	0	RCAE_VERSION22	"22" RCAE version 22. 22=HBB7780
6	(6)	X'17'	0	RCAE_VERSION23	"23" RCAE version 23. 23=HBB7790
6	(6)	X'17'	0	RCAEVRID	"23" Current version level
6	(6)	X'C7C4C4'	0	RCAAGDD_ACRO	"C'RGDD" 'RGDD' ACRONYM
6	(6)	X'1'	0	RCAAGDD_VERSION1	"1" RGDD version 1. 1=HBB7750
6	(6)	X'16'	0	RCAAGDDE_LEN	"*-RCAAGDDE"

IWMWRCAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RCAA	0		RCAAGDDACRO	0	
RCAA_LEN	94	98	RCAAGDDE	0	
RCAA_LEVEL1	6	1	RCAAGDDE_LEN	6	16
RCAA_LEVEL2	6	2	RCAAGDDEENTRY#		
RCAA_VERSION1	6	1		8	
RCAA_VERSION12	6	C	RCAAGDDEENTRYL	6	
RCAA_VERSION13	6	D	RCAAGDDEENTRYO	A	
RCAA_VERSION14	6	E	RCAAGDDOFF	88	
RCAA_VERSION16	6	10	RCAAGDDRS1	5	
RCAA_VERSION17	6	11	RCAAGDDVERS	4	
RCAA_VERSION18	6	12	RCAAGINF	1C	
RCAA_VERSION19	6	13	RCAAGOAL	9	80
RCAA_VERSION2	6	2	RCAAHPO	9	8
RCAA_VERSION20	6	14	RCAAHPZ	9	1
RCAA_VERSION21	6	15	RCAAICO	9	10
RCAA_VERSION22	6	16	RCAAICS	3E	
RCAA_VERSION23	6	17	RCAAICSL	8	
RCAA_VERSION3	6	3	RCAAICSM	4	
RCAA_VERSION4	6	4	RCAAICSS	0	
RCAA_VERSION9	6	9	RCAAICSS_LEN	8	C
RCAAACRO	0		RCAAICSSX	0	
RCAAADJCEC	94		RCAAIDS	9	4
RCAAADJCCPU	8C		RCAAINTI	78	
RCAAADJCCPUNOM	90		RCAAIIPB	48	
RCAABENT	0		RCAAIIPC	40	
RCAABMAP	0		RCAAIPI	44	
RCAABMAP_LEN	0	4	RCAAIIPM	4C	
RCAABMP#	5E		RCAAIIPS	3C	
RCAABMPL	5C		RCAALEVL	6	2
RCAABMPO	60		RCAAMODE	9	
RCAACINF	3C		RCAANAME	6	C3C1C1
RCAACLVL	74		RCAANFFI	80	
RCAACOMP	9	40	RCAANFFS	84	
RCAAEGDDDSC	6		RCAANTV#	58	
RCAAEGDDNUM	4		RCAANTVL	54	
RCAAEGDDSUB	0		RCAAOPT	A	
RCAAGDD	0		RCAAOVEL	9	20
RCAAGDD_ACRO	6	C7C4C4	RCAAPNAM	1C	
RCAAGDD_LEN	A	C	RCAAPSYS	34	
RCAAGDD_VERSION1			RCAAPTMT	24	
			RCAARCA#	6E	
			RCAARCAL	6C	
			RCAARCOF	70	
			RCAASCA#	66	
			RCAASCAL	64	
			RCAASCO	40	
			RCAASCOF	68	
			RCAASDS	9	2
			RCAASIZ	4	
			RCAATMI	C	
			RCAATMR	14	
			RCAAUID	2C	
			RCAAUERS	8	
			RCAAVRID	6	17

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RCAE	0			134	
RCAE_LEN	28	2C	RCAECRMCPUTIMECONSUMED2		
RCAE_VERSION1				138	
	6	1	RCAECRM	90	
RCAE_VERSION12			RCAECRYPTOAPD		
	6	C		8C	
RCAE_VERSION13			RCAECRYPTOAPU		
	6	D		88	
RCAE_VERSION14			RCAECRYPTOCAMD		
	6	E		84	
RCAE_VERSION16			RCAECRYPTOCAMU		
	6	10		80	
RCAE_VERSION17			RCAECUSE	0	
	6	11	RCAECVT	40	
RCAE_VERSION18			RCAECVT1	40	
	6	12	RCAECVT2	44	
RCAE_VERSION19			RCAEDBE	4	80
	6	13	RCAEDELA	0	
RCAE_VERSION2			RCAEDELA_LEN	B4	B8
	6	2	RCAEDENT	0	
RCAE_VERSION20			RCAEDIST	0	
	6	14	RCAEDIST_LEN	0	4
RCAE_VERSION21			RCAEDMN	2	
	6	15	RCAEDMPL	14	
RCAE_VERSION22			RCAEDRS1	34	
	6	16	RCAEEDLA	8	
RCAE_VERSION23			RCAEEDL2	54	
	6	17	RCAEEELA	0	
RCAE_VERSION3			RCAEEELA_LEN	158	158
	6	3	RCAEEENT	0	
RCAE_VERSION4			RCAEEFLG	4	
	6	4	RCAEENQCPUTIMECONSUMED		
RCAE_VERSION9				F4	
	6	9	RCAEENQCPUTIMECONSUMED1		
RCAEACOM	1C			F4	
RCAEACRO	0		RCAEENQCPUTIMECONSUMED2		
RCAEACTA	60			F8	
RCAEACTV	C		RCAEERS	68	
RCAEADT	38		RCAEERS1	68	
RCAEADT1	38		RCAEERS2	6C	
RCAEADT2	3C		RCAEESS#	8	
RCAEANCP	C		RCAEETS	28	
RCAEAPRV	18		RCAEETS1	28	
RCAEARCP	4		RCAEETS2	2C	
RCAEASPD	30		RCAEEXEC	4	40
RCAEBKA1	50		RCAEFEAT	EC	
RCAEBKA2	54		RCAEFEATUREQD		
RCAEBKE1	58			90	
RCAEBKE2	5C		RCAEFEA1	EC	
RCAEBKIA	50		RCAEFEA2	F0	
RCAEBKIE	58		RCAEHDLOCKPROMOTIONTIMEATPDP		
RCAEBPCM	54			13C	
RCAEBPE1	48		RCAEHDLOCKPROMOTIONTIMEATPDP1		
RCAEBPE2	4C			13C	
RCAEBPIE	48		RCAEHDLOCKPROMOTIONTIMEATPDP2		
RCAEBPIR	38			140	
RCAEBPI1	38		RCAEHRS1	5	7
RCAEBPI2	3C		RCAEHRS2	8	
RCAEBPMC	50		RCAEHRS3	28	
RCAEBPMI	4C		RCAEHSP	30	
RCAECCAP	C		RCAEHSPC	28	
RCAECDL	8		RCAEHSP1	30	
RCAECFMI	58		RCAEHSP2	34	
RCAECHS	2C		RCAEHST	88	
RCAECLSC	1C		RCAEID#	1C	
RCAECLX	6		RCAEIDL	14	
RCAECMCI	20		RCAEIDLE	3C	
RCAECOMP	2		RCAEIDLN	1E	
RCAECPU	8		RCAEIDOF	20	
RCAECPU1	8		RCAEIEAT	DC	
RCAECPU2	C		RCAEIEA1	DC	
RCAECRMCPUTIMECONSUMED			RCAEIEA2	E0	
	134		RCAEIFACU	9C	
RCAECRMCPUTIMECONSUMED1			RCAEIFACUONCP		

IWMWRCAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RCAEIFADL	A0		RCAENCP	8	
RCAEIFASU	A4		RCAENDIO	78	
RCAEIFASUONCP	10C		RCAENIU	5	8
	114		RCAEPDEL	40	
RCAEIFASUONCP1	114		RCAEPPER#	A	
	114		RCAEPERI	0	
RCAEIFASUONCP2	118		RCAEPERIODSWITHDATA	1E	
	10C		RCAEPERL	C	
RCAEIFASU1	110		RCAEPERO	10	
RCAEIFASU2	FC		RCAEPGN	5	80
RCAEIFAT	104		RCAEPIE	40	
RCAEIFATONCP	104		RCAEPIE1	40	
RCAEIFATONCP1	104		RCAEPIE2	44	
	108		RCAEPIR	28	
RCAEIFATONCP2	FC		RCAEPIR1	28	
	100		RCAEPIR2	2C	
RCAEIFAT1	14		RCAEPLSC	30	
RCAEIFAT2	18		RCAEPMCI	34	
RCAEIGLN	0		RCAEPQUI	44	
RCAEIGOF	48	4C	RCAEPRS	60	
RCAEIHDR	84		RCAEPRS1	60	
RCAEIHDR_LEN	44		RCAEPRS2	64	
	2C		RCAEQ	58	
RCAEIIOC	10		RCAEQDT	30	
RCAEIOCT	AC		RCAEQDT1	30	
RCAEIOCT1	AC		RCAEQDT2	34	
RCAEIOCT2	B0		RCAERCL	5	10
RCAEIOC1	10		RCAERCP	0	
RCAEIOC2	14		RCAERCT	80	
RCAEIOD	54		RCAERDY	10	
RCAEIODT	C4		RCAERESC	0	
RCAEIODT1	C4		RCAERESC_LEN	15C	164
RCAEIODT2	C8		RCAERESERVED	B4	
RCAEIONT	154		RCAERESOURCECONTENTIONDELAY	94	
RCAEIONT1	154			98	
RCAEIONT2	158		RCAERESOURCECONTENTIONUSING	98	
RCAEIOQT	D4			94	
RCAEIOQT1	D4		RCAERPGN	5	40
RCAEIOQT2	D8		RCAERRS1	C0	
RCAEIORC	BC		RCAERST	0	
RCAEIOST	CC		RCAERST_LEN	54	58
RCAEIOST1	CC		RCAERS1	2	
RCAEIOST2	D0		RCAESAC	48	
RCAEIOTT	14C		RCAESCL	5	20
RCAEIOTT1	14C		RCAESCL#	14	
RCAEIOTT2	150		RCAESCLL	16	
RCAEIOU	50		RCAESCLO	18	
RCAEIOWT	B4		RCAESCLS	0	
RCAEIOWT1	B4		RCAESCLS_LEN	4	8
RCAEIOWT2	B8		RCAESCS#	4	
RCAEIPLN	C		RCAESCSN	0	
RCAEIPOF	10		RCAESHSP	64	
RCAEIQT	48		RCAESMPL	68	
RCAEIQT1	48		RCAESPEI	9C	
RCAEIQT2	4C		RCAESPE1	9C	
RCAEIRCT	32		RCAESPE2	A0	
RCAEIRLN	4		RCAESPP1	94	
RCAEIROF	8		RCAESPP2	94	
RCAEIRSV	1		RCAESPP1	98	
RCAEIRS1	6		RCAESPP2	98	
RCAEIRS2	E		RCAESPRS	A4	
RCAEIRS3	16		RCAESPRS1	A4	
RCAEIRS5	48		RCAESPRS2	A8	
RCAEIS#	24		RCAESPRV	5C	
RCAEISLN	26		RCAESRB	20	
RCAEISOF	28		RCAESRB1	20	
RCAEITST	3C		RCAESRB2	24	
RCAEMSO	18		RCAESRS1	4	3F
RCAEMSO1	18		RCAESRS2	5	
RCAEMSO2	1C		RCAESRV	0	
RCAENAME	6	C3C1C5	RCAESRV1	0	
			RCAESRV2	4	
			RCAESSL	40	
			RCAESSN	48	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RCAESSS	44		RCAEWLOK	18	
RCAESSWI	6C		RCAEWMSC	3C	
RCAESTT	20		RCAEWNL	5C	
RCAESTT1	20		RCAEWO	38	
RCAESTT2	24		RCAEWRET	68	
RCAESTYP	0		RCAEWREW	6C	
RCAESUPCU	A8		RCAEWSL	28	
RCAESUPCUONCP			RCAEWSN	2C	
	AC		RCAEWSS	30	
RCAESUPDL	B0		RCAEWSSL	64	
RCAESUPSU	11C		RCAEWTMR	34	
RCAESUPSUONCP			RCAEXEAT	E4	
	124		RCAEXEA1	E4	
RCAESUPSUONCP1			RCAEXEA2	E8	
	124		RCAEXET	18	
RCAESUPSUONCP2			RCAEXET1	18	
	128		RCAEXET2	1C	
RCAESUPSU1	11C		RCAEXM	20	
RCAESUPSU2	120				
RCAESVIO	60				
RCAESWC	8C				
RCAESWIN	10				
RCAETAT	78				
RCAETAT1	78				
RCAETAT2	7C				
RCAETET	10				
RCAETET1	10				
RCAETET2	14				
RCAETIMEATPDP					
	12C				
RCAETIMEATPDP1					
	12C				
RCAETIMEATPDP2					
	130				
RCAETOTD	4				
RCAETOTDQ	7C				
RCAETOTS	70				
RCAETOTS1	70				
RCAETOTS2	74				
RCAETOTU	4C				
RCAETRR	70				
RCAETRR1	70				
RCAETRR2	74				
RCAETSGN	3				
RCAETYPE	5				
RCAETYP1	70				
RCAETYP2	74				
RCAETYP3	78				
RCAETYP4	7C				
RCAETYP5	80				
RCAETYP6	84				
RCAETYP7	88				
RCAETYP8	8C				
RCAETYP9	90				
RCAETY10	94				
RCAETY11	98				
RCAETY12	9C				
RCAETY13	A0				
RCAETY14	A4				
RCAETY15	A8				
RCAEUNKN	38				
RCAEVARTIMEATPDP					
	144				
RCAEVARTIMEATPDP1					
	144				
RCAEVARTIMEATPDP2					
	148				
RCAEVELC	0				
RCAEVERS	4				
RCAEVIO	24				
RCAEVRID	6	17			
RCAEWCON	20				
RCAEWDST	24				
RCAEWIO	1C				

IWMWRQAA Information

IWMWRQAA Programming Interface information

Programming Interface information

IWMWRQAA

End of Programming Interface information

IWMWRQAA Heading Information • IWMWRQAA Map

IWMWRQAA Heading Information

Common Name: IWMRQRY Answer Area
Macro ID: IWMWRQAA
DSECT Name: RQAA, RQAE, RQAESRV, and RQAD
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: RQAA
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Any
 Key: 0
 Residency: Above 16M line
Size: Determined at run time
Created by: Caller
Pointed to by: Pointed to by the ANSAREA_ADDR field in the IWMRQRY parameter list
Serialization: None
Function: Contains workload activity reporting information

IWMWRQAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RQAA	Workload Activity Query Answer Area
0	(0)	CHARACTER	4	RQAAACRO	Acronym
4	(4)	SIGNED	4	RQAASIZ	Size of RQAA and all of its subordinate parts
8	(8)	BITSTRING	1	RQAAVERS	Version
9	(9)	BITSTRING	1	RQAAMODE (0)	System WLM mode
		1... ..		RQAAGOAL	"X'80" System is in Goal mode
		.1.. ..		RQAACOMP	"X'40" System is in compatibility mode. Never on as of z/OS 1.3
		..1.		RQAAOVEL	"X'20" System is calculating velocity without using I/O delays.
		...1		RQAAIDS	"X'10" 1: IFA processors run at different speed
		.... 1...		RQAASDS	"X'08" 1: SUP processors run at different speed
		.... .111		RQAARSV	"X'07" Reserved
10	(A)	CHARACTER	2	RQAARSV2	Reserved
12	(C)	SIGNED	2	RQAASCA#	Number of RQAEs within RQAA
14	(E)	SIGNED	2	RQAASCAL	Length of a RQAE entry
16	(10)	SIGNED	4	RQAASCOF	Offset from RQAA to array of RQAEs
20	(14)	BITSTRING	8	RQAATIM	Local time last sample was acquired by the WLM sampling code. (STCK format)
28	(1C)	SIGNED	4	RQAANTVL	Current sample interval (in milliseconds). This is the frequency with which WLM samples delays. Issuing IWMRQRY more frequently than this may result in identical data
32	(20)	SIGNED	2	RQAASRVA	Number of server address spaces returned (i.e. number of RQAESRV arrays present)
34	(22)	SIGNED	2	RQAASRV#	Number of service class entries within the RQAESRV array.
36	(24)	SIGNED	2	RQAASRVL	Length of an entry in the RQAESRV array.
38	(26)	SIGNED	2	RQAARSV1	Reserved
40	(28)	CHARACTER	8	RQAASTKN	Token that uniquely identifies the state of the system at the time (value in field RQAATIM) the current data was collected. This token is updated when a policy activation occurs and can be used across invocations of IWMRQRY to associate samples
48	(30)	SIGNED	2	RQAAED#	number of enclave descriptive entries (zero if enclave information not requested or no enclaves exist). With >32K enclave support, maximum value that could be set for this field is 32k. RQAAXED# should be used to get the number of enclave descriptive entries
50	(32)	SIGNED	2	RQAAEDL	length of enclave descriptive entry
52	(34)	SIGNED	4	RQAAEDO	offset to enclave descriptive array (zero if no enclave RQAD entries)
56	(38)	SIGNED	2	RQAAEE#	number of enclave RQAE entries (zero if enclave information not requested or no enclaves exist). With >32K enclave support, maximum value that could be set for this field is 32K. RQAAXEE# should be used to get the number of enclave RQAE entries
58	(3A)	SIGNED	2	RQAAEEL	length of enclave RQAE entry
60	(3C)	SIGNED	4	RQAAEEO	offset to enclave RQAE entries (zero if no enclave RQAE entries)
64	(40)	SIGNED	4	RQAAXED#	number of enclave descriptive entries (zero if enclave information not requested or no enclaves exist). With >32K Enclave support, the number of enclave descriptive entries could be more than 32K. This field should be used to obtain the number enclave descriptive entries. Added for macro version 6 and above. The array of RQADs is sparse. See note preceding the RQAD structure declare.
68	(44)	SIGNED	4	RQAAXEDL	length of enclave descriptive entry. Value of this field is identical to RQAAEDL. Added for macro version 6 and above.
72	(48)	SIGNED	4	RQAAXEDO	offset to enclave descriptive array (zero if no enclave RQAD entries). Value of this field is identical to RQAAEDO. Added for macro version 6 and above.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
76	(4C)	SIGNED	4	RQAAxEE#	number of enclave RQAE entries (zero if enclave information not requested or no enclaves exist). With >32K enclave support, the number of enclave RQAE entries could be more than 32K. This field should be used to get the number of enclave RQAE entries. Added for macro version 6 and above.
80	(50)	SIGNED	4	RQAAxEEEL	length of enclave RQAE entry. Value of this field is identical to RQAAEEEL. Added for macro version 6 and above.
84	(54)	SIGNED	4	RQAAxEEEO	offset to enclave RQAE entries (zero if no enclave RQAE entries). Value of this field is identical to RQAAEEEO. Added for macro version 6 and above.
88	(58)	SIGNED	4	RQAAECLVL	Current change level.
92	(5C)	SIGNED	4	RQAAEFFI	Normalization factor for IFA. Multiply IFA times with this value and divide the result by 256 to obtain the equivalent time on a CP
96	(60)	SIGNED	4	RQAAEFFS	Normalization factor for SUP. Multiply SUP times with this value and divide the result by 256 to obtain the equivalent time on a CP
100	(64)	CHARACTER	1	RQAAEND (0)	end of the RQAA
100	(64)	X'64'	0	RQAA_LEN	"*-RQAA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RQAE	Workload Activity Query Entry (RQAE)
0	(0)	CHARACTER	4	RQAEACRO	Acronym
4	(4)	BITSTRING	1	RQAEVER	Version
5	(5)	BITSTRING	1	RQAEFLGS (0)	Flags
		1...		RQAESVRR	"X'80" This address space provides service to a different service class than the address space itself. If RqaeManagedAsServer is on, WLM will manage this space as needed to meet the transaction's goals and the goals specified in RQAESCLN will be ignored. If RqaeManagedAsServer is off, WLM will manage this address space to the goals specified in RQAESCLN
		.1..		RQAEEMPL	"X'40" MPL delay. Address space is ready, but swapped out.
		..1.		RQAESWIN	"X'20" Swap-in delay. Address space is being swapped in.
		...1		RQAECCAP	"X'10" Resource capping delay. Resource group maximum is being enforced for this address space. This delay is only returned if the address space is swapped in. Only valid in space
		.... 1...		RQAECCQUI	"X'08" Quiesce delay. Address space or enclave has been reset. For enclaves, also see RQAEFLG2: If RqaeImplicitlyQuiesced is on, enclave is known to be running in an address space which has been quiesced. If RqaeExplicitlyQuiesced is on, enclave is known to be reset quiesced
		.... .1..		RQAECCRIT	"X'04" Critical path indicator. If on, address space is on the critical path.
		.... .1..		RQAEEMANAGEDASSERVER	"X'02" WLM is managing this address space to meet the goals of work in other service classes. The goals specified in RQAESCLN will be ignored.
		.... ...1		RQAEERSV1	"X'01" Reserved
6	(6)	SIGNED	2	RQAECLX	RQAE index associated with this address space. This is the index into the service class list returned by IWMPQRY
8	(8)	CHARACTER	10	RQAEERCLX (0)	Array of RQAE indexes associated with this address space. Only RQAEERCLX is valid and contains the index of a report class associated with this address space
8	(8)	SIGNED	2	RQAEERPG	This field contains the index of the report class associated with this address space
10	(A)	SIGNED	2	RQAEENRPG	Reserved - Note *
12	(C)	SIGNED	2	RQAEURPG	Reserved - Note *
14	(E)	SIGNED	2	RQAEERPG	Reserved - Note *
16	(10)	SIGNED	2	RQAEARPG	Reserved - Note *
18	(12)	BITSTRING	1	RQAEAPER#	Service class period number. If this address space is a server, this value is always one
19	(13)	BITSTRING	1	RQAEEDMN	Reserved - Note *
20	(14)	CHARACTER	4	RQAEERSV2	Reserved
24	(18)	CHARACTER	8	RQAESCLN	Service class name associated with this address space.
32	(20)	CHARACTER	8	RQAEERCLN	Report class name associated with this address space.
40	(28)	CHARACTER	8	RQAEERGN	Resource group name associated with this address space.
48	(30)	CHARACTER	8	RQAEWKLN	Workload name associated with this address space.
56	(38)	CHARACTER	8	RQAEVELC (0)	Fields used to calculate execution velocity
56	(38)	SIGNED	4	RQAEUCUSE	CPU using. Increased for each TCB or SRB dispatched on any processor (or first in-line after sampler.)
60	(3C)	SIGNED	4	RQAEETOTD	Total delays for calculating execution velocity. Calculation is as follows: RQAEETOTU / (RQAEETOTU+RQAEETOTD)
64	(40)	CHARACTER	24	RQAEEDDEL (0)	General execution delays included in RQAEETOTD. Each dispatchable unit can increase one of the CPU or paging samples
64	(40)	SIGNED	2	RQAECPUD	CPU delay. Increased for each TCB or SRB waiting to be dispatched (other than the first in-line behind sampler) or for a TCB waiting for a lock
66	(42)	SIGNED	2	RQAECPUC	CPU capping delay. Increased for each TCB or SRB marked non-dispatchable because of a resource group maximum being enforced. Not a subset of RQAECPUD.
68	(44)	SIGNED	2	RQAEAPRV	Waiting for paging I/O from private

IWMWRQAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
70	(46)	SIGNED	2	RQAEACOM	Waiting for paging I/O from common
72	(48)	SIGNED	2	RQAEAXM1	Waiting for cross memory page fault in address space identified by RQAEAXM1
74	(4A)	SIGNED	2	RQAEAXM2	Waiting for cross memory page fault in address space identified by RQAEAXM2
76	(4C)	SIGNED	2	RQAEAXMO	Waiting for cross memory page fault in address space other than that identified by RQAEAXM1 or RQAEAXM2
78	(4E)	SIGNED	2	RQAEAVIO	Waiting for paging I/O from vio
80	(50)	SIGNED	2	RQAEAHSP	Waiting for paging I/O from standard hiperspaces. Includes waits during scroll write.
82	(52)	SIGNED	2	RQAEASPD	Waiting for shared paging from aux
84	(54)	CHARACTER	4	RQAERSV3	Reserved
88	(58)	SIGNED	2	RQAEUNKN	Unknown. Address space is waiting, but none of the above reasons apply. Value is 0 or 1.
90	(5A)	SIGNED	2	RQAEIDLE	Idle. Work is in STIMER wait, TSO terminal wait, APPC wait, or is an initiator waiting for work. Value is 0 or 1.
92	(5C)	SIGNED	2	RQAEAXM1	ASID of address space associated with cross memory delays in RQAEAXM1
94	(5E)	SIGNED	2	RQAEAXM2	ASID of address space associated with cross memory delays in RQAEAXM2
96	(60)	BITSTRING	1	RQAESWOR	Swap reason code
97	(61)	CHARACTER	7	RQAERSV4	Reserved
104	(68)	SIGNED	4	RQAESRVO	Offset from RQAE to RQAESRV array
108	(6C)	SIGNED	2	RQAETOTU	Total usings for calculating execution velocity.
110	(6E)	SIGNED	2	RQAEIOU	Total I/O usings
112	(70)	CHARACTER	16	RQAEIDL2 (0)	Additional general execution delays included in RQAEIDLE
112	(70)	SIGNED	2	RQAEIOD	DASD I/O delay samples
114	(72)	SIGNED	2	RQAEQ	Queue delay samples. Work is waiting for a server.
116	(74)	SIGNED	2	RQAESPRV	Server private area paging delay samples.
118	(76)	SIGNED	2	RQAESVIO	Server space VIO paging delay samples.
120	(78)	SIGNED	2	RQAESHSP	Server hiperspace paging delay samples.
122	(7A)	SIGNED	2	RQAESMPL	Server MPL delay samples.
124	(7C)	SIGNED	2	RQAESSWI	Server Swap-In delay samples.
126	(7E)	CHARACTER	2	RQAERSV5	Reserved
128	(80)	SIGNED	4	RQAEOTTS	Total execution samples. Sum of RQAEOTTU, RQAEOTD, RQAEUNKN, RQAEIDLE. Also always includes I/O using/delay samples whether or not I/O samples are included in RQAEOTTU/RQAEOTD
132	(84)	BITSTRING	1	RQAEFLG1 (0)	Flags
		1...		RQAEASPROTSTG	"X'80" Same as RasdASProtStg
		.1..		RQAEATRXNMGMTXEMPT	"X'40" Same as RasdTrxnMgmtExempt
		..1.		RQAECPUPROTECTED	"X'20" Same as RasdCpuProtected
		...1		RQAEESTGPROTECTED	"X'10" Same as RasdStgProtected
		.... 1...		RQAEAPROMOTED	"X'08" The address space is currently promoted due to a chronic resource contention
		.... .1..		RQAEATRXNMGMTBOTH	"X'04" Same as RasdTrxnMgmtBoth
		.... ..1.		RQAEIOPRIORITYGROUP	"X'02" Same as RasdIoPriorityGroup
133	(85)	BITSTRING	1	RQAEFLG2 (0)	Enclave flags
		1...		RQAEISRESET	"X'80" Enclave is reset to another service class or reset quiesced
		.1..		RQAEEXPLICITLYQUIESCED	"X'40" If on, enclave is known to be reset quiesced.
		..1.		RQAEIMPLICITLYQUIESCED	"X'20" If on, enclave is known to be running in an address space which has been quiesced.
134	(86)	CHARACTER	16	RQAEREPORTSAMPLS (0)	Report samples
134	(86)	SIGNED	2	RQAECRYPTOCAMU	CAM crypto using samples. Increased for every TCB found executing on a Cryptographic Asynchronous Message Processor.
136	(88)	SIGNED	2	RQAECRYPTOCAMD	CAM crypto delay samples. Increased for every TCB found waiting for a Cryptographic Asynchronous Message Processor.
138	(8A)	SIGNED	2	RQAECRYPTOAPU	AP crypto using samples. Increased for every TCB found executing on a Cryptographic Assist Processor.
140	(8C)	SIGNED	2	RQAECRYPTOAPD	AP crypto delay samples. Increased for every TCB found waiting for a Cryptographic Assist Processor.
142	(8E)	SIGNED	2	RQAEFEATUREQD	Feature queue delay samples. Increased for every TCB or SRB found waiting on a processor feature queue associated with a CPU. This is a subset of RQAEUCUSE.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
144	(90)	SIGNED	2	RQAERESOURCECONTENTIONDELAY	Contention delay samples. One sample is accumulated for each resource held. Only resource holders identified via IWMCNTN are reported.
146	(92)	SIGNED	2	RQAERESOURCECONTENTIONUSING	Contention using samples. One sample is accumulated for each resource in use. Only resource users identified via IWMCNTN are reported.
148	(94)	CHARACTER	2		Reserved
150	(96)	CHARACTER	6	RQAEIFASAMPLES (0)	IFA related samples
150	(96)	SIGNED	2	RQAEIFAU	IFA Work running on IFA
152	(98)	SIGNED	2	RQAEIFAUCP	IFA work running on regular CP
154	(9A)	SIGNED	2	RQAEIFAD	work waiting to run on IFA
156	(9C)	CHARACTER	6	RQAESUPSAMPLES (0)	SUP related samples
156	(9C)	SIGNED	2	RQAESUPU	SUP Work running on SUP
158	(9E)	SIGNED	2	RQAESUPUCP	SUP work running on regular CP
160	(A0)	SIGNED	2	RQAESUPD	work waiting to run on SUP
162	(A2)	CHARACTER	1	RQAEEND (0)	RQAE end
162	(A2)	X'A2'	0	RQAE_LEN	"*-RQAE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RQAESRV	RQAE - Service classes served array. The dimension of the RQAESRV array is the maximum number of service classes defined. If a RQAESRVD entry is non-zero, the service class number that corresponds to the index into the array is being served by this address space.
0	(0)	SIGNED	4	RQAESRVD	An entry in the RQAESRV array. Number of times the address space running with this service class (RQAECLX) served this service class
0	(0)	X'4'	0	RQAESRV_LEN	"*-RQAESRV"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RQAD	Enclave Descriptive Entry
0	(0)	CHARACTER	8	RQADETKN	Enclave token
8	(8)	SIGNED	4	RQADQAE0	Offset to Enclave RQAE for this entry from the RQAD (zero when RQADETKN is zero since no RQAE is provided)
12	(C)	SIGNED	2	RQADOWNERASID	Asid of address space which owns the enclave. This field is zero if the enclave is foreign or the information is unavailable due to a recovery problem.
14	(E)	BITSTRING	2	RQADFLAGS (0)	Interesting tidbits
14	(E)	BITSTRING	1	RQADFLAGS_BYTE1 (0)	Byte boundary
		1...		RQADDEPENDENT	"X'80" The enclave was created via IWMECREA and is a continuation of the transaction for the owning address space
		.1..		RQADORIGINALINDEPENDENT	"X'40" The enclave was created via IWMECREA and is an independent transaction.
		..1.		RQADFOREIGNINDEPENDENT	"X'20" The enclave was created via IWMIMPT and is a continuation of an independent enclave on another system.
		...1		RQADFOREIGNDEPENDENT	"X'10" The enclave was created via IWMIMPT and is a continuation of a dependent enclave on another system.
		.... 1...		RQADINACTIVEENCLAVE	"X'08" The enclave is currently on inactive enclave queue because SRM did not find any workunit associated with the enclave. Enclave will move back to active queue once a workunit joins the enclave
		.... .1..		RQADPROMOTED	"X'04" The enclave is currently promoted due to a chronic resource contention
		.... ..1.		RQADWORKDEPENDENT	"X'02" The enclave is a continuation of an independent enclave
15	(F)	BITSTRING	1	RQADFLAGS_BYTE2	Byte boundary
16	(10)	BITSTRING	8	RQADTOTALCPUPTIME	

IWMWRQAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
24	(18)	BITSTRING	8	RQADOWNERSTOKEN	Cumulative CPU time consumed by dispatchable units running in the enclave on the local system. For a multisystem enclave, CPU time consumed on other systems is not included. May decrease between IWMRQRY invocations if transaction is restarted to avoid an overflow of internal accumulators. Same units as AscbEjst.
32	(20)	CHARACTER	8	RQADOWNERSYSTEM	Token of the address space that owns the enclave. If the enclave is foreign, this token refers to an address space on another system (RQADOwnerSystem), not the local system.
40	(28)	CHARACTER	8	RQADOWNERJOBNAME	System name on which the owner of the enclave resides. If the enclave is foreign, this is the system where the original enclave is located. Otherwise it is the local system name.
48	(30)	CHARACTER	32	RQADEXPORTTOKEN	Job name of the address space that owns the enclave. If the enclave is foreign, this job name refers to a job on another system (RQADOwnerSystem), not the local system.
80	(50)	CHARACTER	4	RQADSUBSYSTEMTYPE	Export token associated with the enclave if any. A monitor can collect IWMRQRY answer areas from multiple systems and match RQAD entries for a particular multisystem enclave using the export token.
84	(54)	CHARACTER	8	RQADSUBSYSTEMNAME	Subsystem type to which the enclave belongs.
92	(5C)	BITSTRING	8	RQADTOTALIFATIME	Subsystem name to which the enclave belongs.
100	(64)	BITSTRING	8	RQADTOTALIFACPTIME	Cumulative IFA time consumed by dispatchable units running in the enclave on the local system. For a multisystem enclave, IFA time consumed on other systems is not included. May decrease between IWMRQRY invocations if transaction is restarted to avoid an overflow of internal accumulators. Unit is IFA time. Multiply with RCAANFFI and divide by 256 to calculate the equivalent time on a CP
108	(6C)	BITSTRING	8	RQADTOTALSUPTIME	Cumulative IFA_on_CP time consumed by dispatchable units running in the enclave on the local system. For a multisystem system, IFA_on_CP time consumed on other systems is not included. May decrease between IWMRQRY invocations if transaction is restarted to avoid an overflow of internal accumulators.
116	(74)	BITSTRING	8	RQADTOTALSUPCPTIME	Cumulative SUP time consumed by dispatchable units running in the enclave on the local system. For a multisystem enclave, SUP time consumed on other systems is not included. May decrease between IWMRQRY invocations if transaction is restarted to avoid an overflow of internal accumulators. Unit is SUP time. Multiply with RCAANFFS and divide by 256 to calculate the equivalent CP time
124	(7C)	CHARACTER	8	RQADOWNERETKN	Cumulative SUP_on_CP time consumed by dispatchable units running in the enclave on the local system. For a multisystem system, SUP_on_CP time consumed on other systems is not included. May decrease between IWMRQRY invocations if transaction is restarted to avoid an overflow of internal accumulators.
132	(84)	SIGNED	2	RQADNUMWDENCLS	Enclave token of the owner of this 'work-dependent' enclave. This field is invalid for non 'work-dependent' enclaves
134	(86)	CHARACTER	2	RQADENCLARRIVALTIME	Number of 'work-dependent' enclaves which are owned by this independent enclave reserved
136	(88)	BITSTRING	8		
136	(88)	'X'D8C1C1'	0	RQAANAME	Timestamp indicating when the work request arrived in the system. This time is in STCK format. "C'RQAA'" 'RQAA' ACRONYM

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>The RQAAVRID and RQAEVRID must be changed if new fields are added to any area in the RQAA output area (see APAR OW11082). This is to keep vendor products aware of changes to the output area.</p> <p>NOTE: Since there is no versioning for the RQAD, updating the RQAAVRID and RQAEVRID is sufficient.</p> <p>RQAA_VERSION4, RQAA_VERSION5 RQAA_VERSION7 and RQAA_VERSION8 are reserved. @OW40548</p>					
End of Comment					
136	(88)	X'1'	0	RQAA_VERSION1	"1" RQAA version 1. 1=HBB5510
136	(88)	X'2'	0	RQAA_VERSION2	"2" RQAA version 2. 2=HBB5520
136	(88)	X'3'	0	RQAA_VERSION3	"3" RQAA version 3. 3=HBB6603
136	(88)	X'6'	0	RQAA_VERSION6	"6" RQAA version 6. 6=HBB6606
136	(88)	X'9'	0	RQAA_VERSION9	"9" RQAA version 9. 9=JBB6609
136	(88)	X'A'	0	RQAA_VERSION10	"10" RQAA version 10 10=HBB7703
136	(88)	X'C'	0	RQAA_VERSION12	"12" RQAA version 12 12=HBB7705
136	(88)	X'D'	0	RQAA_VERSION13	"13" RQAA version 13 13=HBB7706
136	(88)	X'E'	0	RQAA_VERSION14	"14" RQAA version 14 14=HBB7707
136	(88)	X'10'	0	RQAA_VERSION16	"16" RQAA version 16 16=HBB7709
136	(88)	X'11'	0	RQAA_VERSION17	"17" RQAA version 17 17=SUP Support
136	(88)	X'12'	0	RQAA_VERSION18	"18" RQAA version 18 18=CRM Support
136	(88)	X'13'	0	RQAA_VERSION19	"19" RQAA version 19 19=work-dep enclaves
136	(88)	X'13'	0	RQAAVRID	"19" Current version level
136	(88)	X'1'	0	RQAA_LEVEL1	"1" RQAA level. 1=Crypto Reporting
136	(88)	X'2'	0	RQAA_LEVEL2	"2" RQAA level. 2=Enclave SC Reset
136	(88)	X'2'	0	RQAALEVL	"2" Current level
136	(88)	X'D8C1C5'	0	RQAE_NAME	"C'RQAE" 'RQAE' ACRONYM
136	(88)	X'1'	0	RQAE_VERSION1	"1" RQAE version 1. 1=HBB5510
136	(88)	X'2'	0	RQAE_VERSION2	"2" RQAE version 2. 2=HBB5520
136	(88)	X'3'	0	RQAE_VERSION3	"3" RQAE version 3. 3=HBB6603
136	(88)	X'6'	0	RQAE_VERSION6	"6" RQAE version 6. 6=HBB6606
136	(88)	X'9'	0	RQAE_VERSION9	"9" RQAE version 9. 9=JBB6609
136	(88)	X'A'	0	RQAE_VERSION10	"10" RQAE version 10 10=HBB7703
136	(88)	X'C'	0	RQAE_VERSION12	"12" RQAE version 12 12=HBB7705
136	(88)	X'D'	0	RQAE_VERSION13	"13" RQAE version 13 13=HBB7706
136	(88)	X'E'	0	RQAE_VERSION14	"14" RQAE version 14 14=HBB7707
136	(88)	X'10'	0	RQAE_VERSION16	"16" RQAE version 16 16=HBB7709
136	(88)	X'11'	0	RQAE_VERSION17	"17" RQAE version 17 17=SUP Support
136	(88)	X'12'	0	RQAE_VERSION18	"18" RQAE version 18 18=CRM Support
136	(88)	X'12'	0	RQAEVRID	"18" Current version level
136	(88)	X'64'	0	RQAALEN	"100" RQAA LENGTH
136	(88)	X'A2'	0	RQAELEN	"162" RQAE LENGTH
136	(88)	X'8000'	0	MAX_RQAAED#	"32768" Maximum value that could be returned by RQAAED#
136	(88)	X'8000'	0	MAX_RQAAEE#	"32768" Maximum value that could be returned by RQAAEE#
136	(88)	X'90'	0	RQAD_LEN	"*-RQAD"

IWMWRQAA Cross Reference

IWMWRQAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MAX_RQAAED#	88	8000	RQAAXEEO	54	
MAX_RQAAEE#	88	8000	RQAD	0	
RQAA	0		RQAD_LEN	88	90
RQAA_LEN	64	64	RQADDEPENDENT		
RQAA_LEVEL1	88	1		E	80
RQAA_LEVEL2	88	2	RQADENCLARRIVALTIME		
RQAA_VERSION1				88	
RQAA_VERSION10	88	1	RQADETKN	0	
	88	A	RQADEXPORTTOKEN		
RQAA_VERSION12				30	
	88	C	RQADFLAGS	E	
RQAA_VERSION13			RQADFLAGS_BYTE1		
	88	D		E	
RQAA_VERSION14			RQADFLAGS_BYTE2		
	88	E		F	
RQAA_VERSION16	88	10	RQADFOREIGNDEPENDENT		
	88	10		E	10
RQAA_VERSION17			RQADFOREIGNINDEPENDENT		
	88	11		E	20
RQAA_VERSION18			RQADINACTIVEENCLAVE		
	88	12		E	8
RQAA_VERSION19			RQADNUMWDENCLS		
	88	13		84	
RQAA_VERSION2			RQADORIGINALINDEPENDENT		
	88	2		E	40
RQAA_VERSION3			RQADOWNERASID		
	88	3		C	
RQAA_VERSION6			RQADOWNERETKN		
	88	6		7C	
RQAA_VERSION9			RQADOWNERJOBNAME		
	88	9		28	
RQAAACRO	0		RQADOWNERSTOKEN		
RQAACLVL	58			18	
RQAACOMP	9	40	RQADOWNERSYSTEM		
RQAAED#	30			20	
RQAAEDL	32		RQADPROMOTED	E	4
RQAAEDO	34		RQADQAE0	8	
RQAAEE#	38		RQADSUBSYSTEMNAME		
RQAAEEL	3A			54	
RQAAEEO	3C		RQADSUBSYSTEMTYPE		
RQAAEND	64			50	
RQAAGOAL	9	80	RQADTOTALCPUTIME		
RQA AIDS	9	10		10	
RQAALEN	88	64	RQADTOTALIFACPTIME		
RQAALVL	88	2		64	
RQAAMODE	9		RQADTOTALIFATIME		
RQAANAME	88	D8C1C1		5C	
RQAANFFI	5C		RQADTOTALSUPCPTIME		
RQAANFFS	60			74	
RQAANTVL	1C		RQADTOTALSUPTIME		
RQAAOVEL	9	20		6C	
RQAARSV	9	7	RQADWORKDEPENDENT		
RQAARSV1	26			E	2
RQAARSV2	A		RQAE	0	
RQAASCA#	C		RQAE_LEN	A2	A2
RQAASCAL	E		RQAE_VERSION1		
RQAASCOF	10			88	1
RQAASDS	9	8	RQAE_VERSION10		
RQAASIZ	4			88	A
RQAASRV#	22		RQAE_VERSION12		
RQAASRVA	20			88	C
RQAASRVL	24		RQAE_VERSION13		
RQAASTKN	28			88	D
RQAATIM	14		RQAE_VERSION14		
RQAAVERS	8			88	E
RQAAVRID	88	13	RQAE_VERSION16		
RQAAXED#	40			88	10
RQAAXEDL	44		RQAE_VERSION17		
RQAAXEDO	48			88	11
RQAAXEE#	4C		RQAE_VERSION18		
RQAAXEEL	50			88	12
			RQAE_VERSION2		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RQAE_VERSION3	88	2	RQAERESOURCECONTENTIONDELAY	90	
RQAE_VERSION6	88	3	RQAERESOURCECONTENTIONUSING	92	
RQAE_VERSION9	88	6	RQAERGN	28	
RQAEACOM	46		RQAERSV1	5	1
RQAEACRO	0		RQAERSV2	14	
RQAEAHSP	50		RQAERSV3	54	
RQAEAPRV	44		RQAERSV4	61	
RQAEARPG	10		RQAERSV5	7E	
RQAEASPD	52		RQAESCLN	18	
RQAEASPROTSTG			RQAESHSP	78	
	84	80	RQAESMPL	7A	
RQAEAVIO	4E		RQAESMX1	5C	
RQAEAXMO	4C		RQAESMX2	5E	
RQAEAXM1	48		RQAESPRV	74	
RQAEAXM2	4A		RQAESRPG	8	
RQAECCAP	5	10	RQAESRV	0	
RQAECLX	6		RQAESRV_LEN	0	4
RQAECPUC	42		RQAESRVD	0	
RQAECPUD	40		RQAESRVO	68	
RQAECPUPROTECTED			RQAESSWI	7C	
	84	20	RQAESTGPROTECTED		
RQAEQCUI	5	8		84	10
RQAECRIT	5	4	RQAESUPD	A0	
RQAECRPG	E		RQAESUPSAMPLES		
RQAECRYPTOAPD				9C	
	8C		RQAESUPU	9C	
RQAECRYPTOAPU			RQAESUPUCP	9E	
	8A		RQAESVIO	76	
RQAECRYPTOCAMD			RQAESVRR	5	80
	88		RQAESWIN	5	20
RQAECRYPTOCAMU			RQAESWOR	60	
	86		RQAETOTD	3C	
RQAE CUSE	38		RQAETOTS	80	
RQAE DMN	13		RQAETOTU	6C	
RQAE END	A2		RQAETR XNMGMTBOTH		
RQAE EXPLICITLY QUIESCED				84	4
	85	40	RQAETR XNMGMT EXEMPT		
RQAE FEATUREQD				84	40
	8E		RQAE UNKN	58	
RQAE FLGS	5		RQAE URPG	C	
RQAE FLG1	84		RQAE VELC	38	
RQAE FLG2	85		RQAE VERS	4	
RQAE GDEL	40		RQAE VRID	88	12
RQAE GDL2	70		RQAE WKLN	30	
RQAE IDLE	5A				
RQAE IFAD	9A				
RQAE IFASAMPLES					
	96				
RQAE IFAU	96				
RQAE IFAUCP	98				
RQAE IMPLICITLY QUIESCED					
	85	20			
RQAE IOD	70				
RQAE IOPRIORITYGROUP					
	84	2			
RQAE IOU	6E				
RQAE ISRESET	85	80			
RQAE LEN	88	A2			
RQAE MANAGED ASSERVER					
	5	2			
RQAE MPL	5	40			
RQAE NAME	88	D8C1C5			
RQAE NRPG	A				
RQAE PER#	12				
RQAE PROMOTED	84	8			
RQAE Q	72				
RQAE RCLN	20				
RQAE RCLX	8				
RQAE REPORTSAMPLES					
	86				

IWMWSYSI Information

IWMWSYSI Programming Interface information

Programming Interface information

IWMWSYSI

End of Programming Interface information

IWMWSYSI Heading Information • IWMWSYSI Map

IWMWSYSI Heading Information

Common Name: WLM System Capacity Information Area
Macro ID: IWMWSYSI
DSECT Name: SYSI SYSI_ENTRY
Owning Component: WLM (SCWLM)
Eye-Catcher ID: SYSI
 Offset: 0
 Length: 4
Storage Attributes: Subpool: User Assigned
 Key: Any
 Residency: Anywhere
Size: SYSI_EXT -- X'001C' bytes
 SYSI_EXT_ENTRY -- X'006C' bytes
 SYSI -- X'0018' bytes
 SYSI_ENTRY -- X'0080' bytes
 Total SYSI size =
 24 bytes SYSI header +
 n (maximum number of systems)
 128 (SYSI_System_Entry_Size)
Created by: Caller of IWMWSYSQ
Pointed to by: IWMWSYSQ Parameter List
Serialization: None
Function: Holds system-specific capacity information, returned by the IWMWSYSQ service.

IWMWSYSI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSI	System information area
0	(0)	CHARACTER	24	SYSI_HEADER	SYSI header section
0	(0)	CHARACTER	4	SYSI_ID	Acronym
4	(4)	BITSTRING	1	SYSI_VERSION	Version
5	(5)	CHARACTER	3	SYSI_RSV1	Reserved
8	(8)	SIGNED	2	SYSI_HEADER_SIZE	Size in bytes of header section
10	(A)	SIGNED	2	SYSI_SYSTEM_ENTRY_SIZE	Size in bytes of a system information entry (SYSI_Entry)
12	(C)	SIGNED	2	SYSI_MAX_ENTRIES	Maximum number of system entries allowed in this SYSI area
14	(E)	SIGNED	2	SYSI_INUSE_ENTRIES	Number of system entries in use (starting with 1st entry)
16	(10)	SIGNED	2	SYSI_CALLERSIMPORTANCE	0 = system or sysstc, 1-5 = wlm importance from policy 6 = discretionary. Field contains importance of the home AS when IWMWSYSQ was invoked. Field is only valid if capacity data for the local system is returned in the array.
18	(12)	SIGNED	2	SYSI_EXT_OFFSET	offset of extension data
20	(14)	CHARACTER	4	SYSI_RSV3	Reserved
24	(18)	CHARACTER	1	SYSI_ENTRIES	Beginning of system entries
24	(18)	X'18'	0	SYSI_LEN	"*-SYSI"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSI_ENTRY	System information entry
0	(0)	CHARACTER	8	SYSI_SYSNAME	System name
8	(8)	CHARACTER	4	SYSI_ENTRY_STATUS	System entry status

Comment

Bit definitions:

End of Comment

1... ..		SYSI_CAPACITY_INFO_UNAVAIL	"X'80" System capacity information is unavailable. This bit is set when the IWMWSYSQ service is invoked before WLM can collect processor management data from the associated system. Caller should wait for a few minutes before retry
.1.. ..		SYSI_RESOURCE_CONSTRAINED	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
					"X'40" System is resource constrained due to the presence of one or more of the following conditions: 1. Below/fixed+DREF/real storage shortage exists 2. SQA storage shortage exists 3. High Common shortage exists 4. Aux storage shortage exists 5. Excessive aux paging condition exists 6. Excessive aux swapping condition exists 7. An internal policy reactivation is in progress due to an abend.	
12	(C)	CHARACTER	104	SYSI_CAPACITY_INFO	System capacity section	
12	(C)	CHARACTER	12	SYSI_SU_ENTRY	Array of 7 entries. The entries are indexed beginning with 1 so that the index matches the external Importance Level (1 to 5), discretionary (index 6), and unused (index 7) to which the entry pertains. Each entry contains number of CPU service units consumed on general purpose processors by work at the indexed Importance Level, and all lower Importance Levels (and unused). The last entry (index 7) contains unused service units	
12	(C)	SIGNED	4	SYSI_SUM60	Number of service units consumed by work running on general purpose processors at this Importance Level, and all lower Importance Levels (and unused), summed over the last 60 seconds (1 minute)	
16	(10)	SIGNED	4	SYSI_SUM180	Number of service units consumed by work running on general purpose processors at this Importance Level, and all lower Importance Levels (and unused), summed over the last 180 seconds (3 minutes)	
20	(14)	SIGNED	4	SYSI_SUM600	Number of service units consumed by work running on general purpose processors at this Importance Level, and all lower Importance Levels (and unused), summed over the last 600 seconds (10 minutes)	
96	(60)	SIGNED	4	SYSI_FREE_CSA	Free CSA (below the line) in bytes	
100	(64)	SIGNED	4	SYSI_FREE_ECDSA	Free ECDSA in bytes	
104	(68)	SIGNED	4	SYSI_CPU_UP	The speed of an individual CP on the system, in CPU service units per second, adjusted to compensate for MP effects. However, this value is not adjusted for possible LPAR overhead effects. Note: This field may be zero if the MVS release is prior to version HBB6603	
108	(6C)	SIGNED	2	SYSI_ONLINE_CPU_COUNT	Total number of online CPUs, including zIIPs and zAAPs. Note: This field may be zero if the MVS release is prior to version HBB6603	
110	(6E)	CHARACTER	6	SYSI_CAPACITY_RSV	Reserved	
116	(74)	CHARACTER	12	SYSI_ENTRY_RSV	Reserved	
116	(74)	X'80'	0	SYSI_ENTRY_LEN	**-SYSI_ENTRY"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	SYSI_EXT	SYSI extension	
0	(0)	CHARACTER	28	SYSI_EXT_HEADER	header information	
0	(0)	CHARACTER	8	SYSI_EXT_ID	Acronym SYSI_EXT	
8	(8)	BITSTRING	1	SYSI_EXT_VER	Version	
9	(9)	CHARACTER	3	SYSI_EXT_RSV1	Reserved	
12	(C)	SIGNED	2	SYSI_EXT_HEADER_SIZE	Size in bytes of this header section	
14	(E)	SIGNED	2	SYSI_EXT_ENTRY_SIZE	Size in bytes of an extension entry	
16	(10)	CHARACTER	12	SYSI_EXT_RSV2	Reserved	
28	(1C)	CHARACTER	1	SYSI_EXT_ENTRIES (0)	Beginning of the ext entries	
28	(1C)	X'1C'	0	SYSI_EXT_LEN	**-SYSI_EXT"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	SYSI_EXT_ENTRY	SYSI extension entry	
0	(0)	CHARACTER	1	SYSI_EXT_FLAGS	System entry status	
1	(1)	CHARACTER	3	SYSI_EXT_RSV3	reserved	

IWMWSYSI Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	CHARACTER	104	SYSI_EXT_PROC_INFO	Processor capacity section 4 entries for the individual processor types: index 1: general purpose processors index 2: zAAPs index 3: zIIPs index 4: reserved for future use
4	(4)	CHARACTER	12	SYSI_EXT_SU_ENTRY	Array of 8 entries. The entries are indexed with an origin of 0 so that the index matches the external Importance Level (1 to 5), discretionary (index 6) and unused (index 7) to which the entry pertains. Index 0 holds the total capacity. Each entry contains the number of CPU service units consumed by work at the indexed Importance Level, and all lower Importance Levels (and unused). The last entry (index 7) contains unused service units
4	(4)	SIGNED	4	SYSI_EXT_SUM60	Number of service units consumed by work at this Importance Level, and all lower Importance Levels (and unused), summed over the last 60 seconds (1 minute)
8	(8)	SIGNED	4	SYSI_EXT_SUM180	Number of service units consumed by work at this Importance Level, and all lower Importance Levels (and unused), summed over the last 180 seconds (3 minutes)
12	(C)	SIGNED	4	SYSI_EXT_SUM600	Number of service units consumed by work at this Importance Level, and all lower Importance Levels (and unused), summed over the last 600 seconds (10 minutes)
100	(64)	SIGNED	2	SYSI_EXT_ONLINE_PRO_COUNT	Number of online processors of that type
102	(66)	CHARACTER	1	SYSI_EXT_PROC_FLAGS	Flags

Comment

Bit definitions:

End of Comment

		1...		SYSI_EXT_PROC_ENTRY_UNAVAIL	"X'80" Information is unavailable for this processor type. This bit is set for zAAP and zIIP Index when the system is running zOS R1.8 or older
		.111 1111		SYSI_EXT_RSV_FLAGS	"X'7F" Reserved flags for future use
103	(67)	CHARACTER	1	SYSI_EXT_PROC_RSV	Reserved
104	(68)	SIGNED	4	SYSI_EXT_PRO_NORMALIZATION	Normalization factor for this processor type. Multiply processor time by this value and divide by 256 to get the equivalent time on a CP. Set to 256 for regular CP
104	(68)	X'E8E2C9'	0	SYSI_ID_CONST	"C'SYSI"
104	(68)	X'1'	0	SYSI_VERSION1	"1"
104	(68)	X'2'	0	SYSI_VERSION2	"2" OW41245
104	(68)	X'3'	0	SYSI_VERSION3	"3" LZAAP3A
104	(68)	X'18'	0	SYSI_HEADERLEN	"24"
104	(68)	X'80'	0	SYSI_SYSTEM_ENTRYLEN	"128"
104	(68)	X'3'	0	SYSI_CURRENT_VER	"3"
104	(68)	X'20'	0	SYSI_MAX_#SYSTEMS	"32" Maximum number of systems allowed
104	(68)	X'44B4'	0	SYSI_MAX_LEN	"17588" Maximum SYSI size for the current release, may change from release to release
104	(68)	X'1'	0	SYSI_CPU_INDEX	"1"
104	(68)	X'2'	0	SYSI_ZAAP_INDEX	"2"
104	(68)	X'3'	0	SYSI_ZIIP_INDEX	"3" index for SYSI_Processor_Info
104	(68)	X'E8E2C9'	0	SYSI_EXT_ID_CONST_0TO3	"C'SYSI" This is the first 4-byte segment of an 8-byte constant.
104	(68)	X'C5E7E3'	0	SYSI_EXT_ID_CONST_4TO7	"C_EXT" This is the second 4-byte segment of an 8-byte constant.
104	(68)	X'1'	0	SYSI_EXT_VER1	"1"
104	(68)	X'1'	0	SYSI_EXT_CURR_VER	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
104	(68)	X'6C'	0	SYSI_EXT_ENTRY_LEN	"1" **SYSI_EXT_ENTRY"

IWMWSYSI Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SYSI	0		SYSI_EXT_RSV3		
SYSI_CALLERSIMPORTANCE	10		SYSI_EXT_SU_ENTRY	1	
SYSI_CAPACITY_INFO	C		SYSI_EXT_SUM180	4	
SYSI_CAPACITY_INFO_UNAVAIL	8	80	SYSI_EXT_SUM60	8	
SYSI_CAPACITY_RSV	6E		SYSI_EXT_SUM600	4	
SYSI_CPU_INDEX	68	1	SYSI_EXT_VER	C	
SYSI_CPU_UP	68		SYSI_EXT_VER1	8	
SYSI_CURRENT_VER	68	3	SYSI_FREE_CSA	68	1
SYSI_ENTRIES	18		SYSI_FREE_ECSCA	60	
SYSI_ENTRY	0		SYSI_HEADER	64	
SYSI_ENTRY_LEN	74	80	SYSI_HEADER_SIZE	0	
SYSI_ENTRY_RSV	74		SYSI_HEADERLEN	8	
SYSI_ENTRY_STATUS	8		SYSI_ID	68	18
SYSI_EXT	0		SYSI_ID_CONST	0	
SYSI_EXT_CURR_VER	68	1	SYSI_INUSE_ENTRIES	68	E8E2C9
SYSI_EXT_ENTRIES	1C		SYSI_LEN	E	
SYSI_EXT_ENTRY	0		SYSI_MAX_#SYSTEMS	18	18
SYSI_EXT_ENTRY_LEN	68	6C	SYSI_MAX_ENTRIES	68	20
SYSI_EXT_ENTRY_SIZE	E		SYSI_MAX_LEN	C	
SYSI_EXT_FLAGS	0		SYSI_MAX_LEN	68	44B4
SYSI_EXT_HEADER	0		SYSI_ONLINE_CPU_COUNT	6C	
SYSI_EXT_HEADER_SIZE	C		SYSI_RESOURCE_CONSTRAINED	8	40
SYSI_EXT_ID	0		SYSI_RSV1	5	
SYSI_EXT_ID_CONST_0TO3	68	E8E2C9	SYSI_RSV3	14	
SYSI_EXT_ID_CONST_4TO7	68	C5E7E3	SYSI_SU_ENTRY	C	
SYSI_EXT_LEN	1C	1C	SYSI_SUM180	10	
SYSI_EXT_OFFSET	12		SYSI_SUM60	C	
SYSI_EXT_ONLINE_PRO_COUNT	64		SYSI_SUM600	14	
SYSI_EXT_PRO_NORMALIZATION	68		SYSI_SYSNAME	0	
SYSI_EXT_PROC_ENTRY_UNAVAIL	66	80	SYSI_SYSTEM_ENTRY_SIZE	A	
SYSI_EXT_PROC_FLAGS	66		SYSI_SYSTEM_ENTRYLEN	68	80
SYSI_EXT_PROC_INFO	4		SYSI_VERSION	4	
SYSI_EXT_PROC_RSV	67		SYSI_VERSION1	68	1
SYSI_EXT_RSV_FLAGS	66	7F	SYSI_VERSION2	68	2
SYSI_EXT_RSV1	9		SYSI_VERSION3	68	3
SYSI_EXT_RSV2	10		SYSI_ZAAP_INDEX	68	2
			SYSI_ZIIP_INDEX	68	3

IWMWSYSL Information

IWMWSYSL Programming Interface information

Programming Interface information

IWMWSYSL

End of Programming Interface information

IWMWSYSL Heading Information • IWMWSYSL Map

IWMWSYSL Heading Information

Common Name: Sysplex Query Response
Macro ID: IWMWSYSL
DSECT Name: SYSL
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: None
Storage Attributes: Main Storage: NO
 Virtual Storage: YES
 Auxiliary Storage: YES
 Subpool: User assigned
 Key: 0-15
 Data Space: NO
 Residency: Anywhere
Size: See compiled/assembled listing
 SYSL -- X'0014' bytes
Created by: Caller of IWMSRLOC
Pointed to by: IWMSRLOC Parameter List
Serialization: None
Function: Holds sysplex query locations contained within a domain. Returned by IWMSRLOC service.

IWMWSYSL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSL	
0	(0)	CHARACTER	20	SYSL_INFO (0)	Start of response information
0	(0)	CHARACTER	18	SYSL_LOCATION	
					Location Name reserved
18	(12)	CHARACTER	2		
18	(12)	X'1'	0	SYSL_VERSION1	"1" Version 1
18	(12)	X'1'	0	SYSL_CURRENT_VER	"1" SYSL current version
18	(12)	X'14'	0	SYSL_LEN	"*-SYSL"

IWMWSYSR Information

IWMWSYSR Programming Interface information

Programming Interface information

IWMWSYSR

End of Programming Interface information

IWMWSYSR Heading Information • IWMWSYSR Map

IWMWSYSR Heading Information

Common Name: Sysplex Router Response
Macro ID: IWMWSYSR
DSECT Name: SYSR, SYSR_EXT, and SYSR_EXT_ENTRY_USERDATA, SYSR_EXT2_ENTRY_HOST
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: None
Storage Attributes: Main Storage: NO
 Virtual Storage: YES
 Auxiliary Storage: YES
 Subpool: User assigned
 Key: 0-15
 Data Space: NO
 Residency: Anywhere
Size: See compiled/assembled listing
 SYSR -- X'0014' bytes
 SYSR_EXT -- X'0018' bytes
 SYSR_EXT_ENTRY_USERDATA -- X'0040' bytes
 SYSR_EXT2_ENTRY_HOST -- X'0040' bytes
Created by: Caller of IWMSRSRS
Pointed to by: IWMSRSRS Parameter List
Serialization: None
Function: Holds sysplex router registered LU and weight information. Returned by IWMSRSRS service.

IWMWSYSR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSR	
0	(0)	CHARACTER	20	SYSR_INFO (0)	Start of response information
0	(0)	CHARACTER	8	SYSR_NETID	Network id
8	(8)	CHARACTER	8	SYSR_LUNAME	Logical Unit Name
16	(10)	BITSTRING	1	SYSR_WEIGHT	server Weight
17	(11)	BITSTRING	1	SYSR_CPU_WEIGHT	CPU specific server weight
18	(12)	BITSTRING	1	SYSR_ZAAP_WEIGHT	ZAAP specific server weight
19	(13)	BITSTRING	1	SYSR_ZIIP_WEIGHT	ZIIP specific server weight
19	(13)	X'14'	0	SYSR_LEN	**-SYSR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSR_EXT	
0	(0)	CHARACTER	24	SYSR_EXT_HEADER (0)	Start of extension area. Extension header
0	(0)	SIGNED	2	SYSR_EXT_VERSION	Extension area version number
2	(2)	SIGNED	2	SYSR_EXT_SIZE	Size in bytes of the extension area including header and all entries
4	(4)	SIGNED	2	SYSR_EXT_HEADER_SIZE	Size in bytes of extension header
6	(6)	SIGNED	2	SYSR_EXT_ENTRY_COUNT	Number of extension entries in each data area
8	(8)	SIGNED	2	SYSR_EXT_ENTRY_USERDATA_OFFSET	Offset of the userdata section from the start of extension area
10	(A)	SIGNED	2	SYSR_EXT2_ENTRY_HOST_OFFSET	Offset of the host section from the start of extension area
12	(C)	SIGNED	2	SYSR_EXT_ENTRY_RSV2_OFFSET	Offset of the rsv2 section from the start of extension area
14	(E)	SIGNED	2	SYSR_EXT_ENTRY_RSV3_OFFSET	Offset of the rsv3 section from the start of extension area
16	(10)	CHARACTER	8	SYSR_EXT_RSV	Reserverd
24	(18)	CHARACTER	1	SYSR_EXT_ENTRIES (0)	Beginning of extension entries
24	(18)	X'18'	0	SYSR_EXT_LEN	**-SYSR_EXT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSR_EXT_ENTRY_USERDATA	User data entry
0	(0)	CHARACTER	64	SYSR_EXT_USERDATA	User data. The format is undefined to MVS
0	(0)	X'40'	0	SYSR_EXT_ENTRY_USERDATA_LEN	**SYSR_EXT_ENTRY_USERDATA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYSR_EXT2_ENTRY_HOST	User data entry
0	(0)	CHARACTER	64	SYSR_EXT2_HOST	Host Name.
0	(0)	X'1'	0	SYSR_EXT_VERSION1	"1" Extension area version 1
0	(0)	X'2'	0	SYSR_EXT_VERSION2	"2" Extension area version 2
0	(0)	X'2'	0	SYSR_EXT_CURRENT_VER	"2" Extension area current version
0	(0)	X'40'	0	SYSR_EXT2_ENTRY_HOST_LEN	**SYSR_EXT2_ENTRY_HOST"

IWMWSYSR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SYSR	0		SYSR_LEN	13	14
SYSR_CPU_WEIGHT			SYSR_LUNAME	8	
SYSR_EXT	0		SYSR_NETID	0	
SYSR_EXT_CURRENT_VER	0	2	SYSR_WEIGHT	10	
SYSR_EXT_ENTRIES	18		SYSR_ZAAP_WEIGHT	12	
SYSR_EXT_ENTRY_COUNT	6		SYSR_ZIIP_WEIGHT	13	
SYSR_EXT_ENTRY_RSV2_OFFSET	C				
SYSR_EXT_ENTRY_RSV3_OFFSET	E				
SYSR_EXT_ENTRY_USERDATA	0				
SYSR_EXT_ENTRY_USERDATA_LEN	0	40			
SYSR_EXT_ENTRY_USERDATA_OFFSET	8				
SYSR_EXT_HEADER	0				
SYSR_EXT_HEADER_SIZE	4				
SYSR_EXT_LEN	18	18			
SYSR_EXT_RSV	10				
SYSR_EXT_SIZE	2				
SYSR_EXT_USERDATA	0				
SYSR_EXT_VERSION	0				
SYSR_EXT_VERSION1	0	1			
SYSR_EXT_VERSION2	0	2			
SYSR_EXT2_ENTRY_HOST	0				
SYSR_EXT2_ENTRY_HOST_LEN	0	40			
SYSR_EXT2_ENTRY_HOST_OFFSET	A				
SYSR_EXT2_HOST	0				
SYSR_INFO	0				

IWMYCON Information

IWMYCON Programming Interface information

Programming Interface information

IWMYCON

End of Programming Interface information

IWMYCON Heading Information • IWMYCON Map

IWMYCON Heading Information

Common Name: Constants for users of IWM services (includes Work Manager, Execution Delay, Policy Management and Workload Reporting Services)
Macro ID: IWMYCON
DSECT Name: N/A
Owning Component: Workload Manager (SCWLM)
Eye-Catcher ID: NONE
Storage Attributes: Key: N/A FREQUENCY: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: Provides a list of constants for users of IWM services and exits.

IWMYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	IWMRETCODEOK	"0" Success
0	(0)	X'4'	0	IWMRETCODEWARNING	"4" Warning
0	(0)	X'8'	0	IWMRETCODEINVOCERROR	"8" Invocation Error
0	(0)	X'C'	0	IWMRETCODEENVERROR	"12" Environmental Error
0	(0)	X'10'	0	IWMRETCODECOMPERROR	"16" Component Error

Comment

 Reason Codes -- IwmRetCodeWarning
 (Note that the reason codes are of the form "xxxxYYYY" where
 "xxxx" is used to contain internal diagnostic information)

End of Comment

0	(0)	BITSTRING	0	IWMRSNCODENOWLM	"X'00000401" The system does not support WLM services
0	(0)	BITSTRING	0	IWMRSNCODENOMONENV	"X'00000402" Monitoring token indicates that no monitoring environment exists
0	(0)	BITSTRING	0	IWMRSNCODEMONENVNOTALLOC	"X'00000403" Monitoring token is not associated with an allocated monitoring environment owned by the current home address space
0	(0)	BITSTRING	0	IWMRSNCODECOMPATNOSYSEVENTRQD	"X'00000404" System is in compatibility mode and NO SYSEVENT TRAXFRPT was requested, hence MVS did not receive the information
0	(0)	BITSTRING	0	IWMRSNCODEGOALNOMONENV	"X'00000405" System is in goal mode but the input monitoring token indicates no monitoring environment was established, hence MVS did not receive the information.
0	(0)	BITSTRING	0	IWMRSNCODENOPARENV	"X'00000406" Input parent monitor token indicates no parent monitoring environment was established. The input dependent monitoring environment is now related to the Home address space.
0	(0)	BITSTRING	0	IWMRSNCODERETURNCONT	"X'00000407" Switch Return was from a monitoring environment with an outstanding continuation.
0	(0)	BITSTRING	0	IWMRSNCODEWORKNOTFOUND	"X'00000408" NO work matching the input search criteria was found
0	(0)	BITSTRING	0	IWMRSNCODENOCOONN	"X'00000409" Connection token does not reflect a successful Connect.
0	(0)	BITSTRING	0	IWMRSNCODEOUTPUTAREATOOSMALL	"X'0000040A" The output area is too small to contain all the available information.
0	(0)	BITSTRING	0	IWMRSNCODENOSERVERSREGISTERED	"X'0000040B" No Logical Units have registered as a server. -@L3A
0	(0)	BITSTRING	0	IWMRSNCODEMONENVLACKSINFO	"X'0000040C" Input monitoring environment does not contain the necessary information
0	(0)	BITSTRING	0	IWMRSNCODEICSDDEFAULT	"X'0000040D" The system default ICS is in effect
0	(0)	BITSTRING	0	IWMRSNCODEICSAAREATOOSMALL	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODESTATEINVDATARET	"X'0000040E" ICS area specified on IWMRCOLL was too small to contain all of the ICS data
0	(0)	BITSTRING	0	IWMRSNCODETKNNOMATCH	"X'0000040F" Invalid state token supplied on IWMRCOLL. Data was returned.
0	(0)	BITSTRING	0	IWMRSNCODEENCLACTIVE	"X'00000410" Input service class token does not reflect a service class in the current service policy
0	(0)	BITSTRING	0	IWMRSNCODECOMPATMODE	"X'00000411" Input enclave had SRBs scheduled or running, or one or more TCBs joined to the Enclave.
0	(0)	BITSTRING	0	IWMRSNCODEIDSDONTMATCH	"X'00000412" System is in compatibility mode, hence goals and importance are not available and so not factored into the output
0	(0)	BITSTRING	0	IWMRSNCODENULLCDS	"X'00000413" COND=YES was specified on a SERVD install request, but the base id passed did not match the base id of the SERVD on the WLM CDS
0	(0)	BITSTRING	0	IWMRSNCODEPOLICYACTINPROGRESS	"X'00000414" WLM CDS is empty
0	(0)	BITSTRING	0	IWMRSNCODEPOLICYUNDEFINED	"X'00000415" Policy activation is in progress
0	(0)	BITSTRING	0	IWMRSNCODEBADSERVDE	"X'00000416" Policy to activate was not found in the service definition
0	(0)	BITSTRING	0	IWMRSNCODESERVERNOTREGISTERED	"X'00000417" Service definition extracted from WLM CDS has failed validation
0	(0)	BITSTRING	0	IWMRSNCODESERVERALREADYREG	"X'00000418" Server not registerd
0	(0)	BITSTRING	0	IWMRSNCODENOPOLMGT	"X'00000419" Server already registerd
0	(0)	BITSTRING	0	IWMRSNCODENOTENCLAVE	"X'0000041A" Policy management services are not available on this release EQU X'0000041B' Reserved
0	(0)	BITSTRING	0	IWMRSNCODEBADRESTKN	"X'0000041C" Current dispatchable workunit is not associated with an Enclave
0	(0)	BITSTRING	0	IWMRSNCODENOIWMPMSCRSUBRECORD	"X'0000041D" Resource token is not valid
0	(0)	BITSTRING	0	IWMRSNCODENOIWMVSAEASUBRECORD	"X'0000041E" No IWMSVAEA subrecord exists in the WLM CDS. Renamed this equate to the next. OBSOLETE
0	(0)	BITSTRING	0	IWMRSNCODEEEXECENVCHANGED	"X'0000041E" No IWMSVAEA subrecord exists in the WLM CDS. This equate should be used over the previous one since IWMPMSCR means nothing.
0	(0)	BITSTRING	0	IWMRSNCODESYSINFOINCOMPLETE	"X'0000041F" The execution environment has changed while the requested function is in progress
0	(0)	BITSTRING	0	IWMRSNCODEUNKNOWQUEUE	"X'00000420" System capacity data for one or more systems running in goal mode is unavailable for an IWMWSYSQ invocation
0	(0)	BITSTRING	0	IWMRSNCODENOIWMVSEASUBRECORD	"X'00000421" Queue deregistration could not find the queue to be deregistered
0	(0)	BITSTRING	0	IWMRSNCODEDEFAULTPOLICY	"X'00000422" No IWMSVSEA subrecord exists in the WLM CDS.
0	(0)	BITSTRING	0	IWMRSNCODESYSTEMIGNORED	"X'00000423" The default policy is in effect
0	(0)	BITSTRING	0	IWMRSNCODENOSCHENV	"X'00000424" The input SYSTEML= contained a system name(s) which was ignored by WLM.
0	(0)	BITSTRING	0	IWMRSNCODESCHENVNOTFOUND	"X'00000425" The system does not support scheduling environments services. This return code is only set when the MVS release is prior to OS/390 Release 4.
0	(0)	BITSTRING	0	IWMRSNCODESCHENVNOTAVAILABLE	"X'00000426" The scheduling environment specified by SCHENV does not exist.
0	(0)	BITSTRING	0	IWMRSNCODESCHENVNOSYSTEM	"X'00000427" For the specified system (SYSTEM_NAME=), the scheduling environment contains resources that are not available. The specified system can not process the work.
0	(0)	BITSTRING	0	IWMRSNCODERESOURCENOTFOUND	"X'00000428" No scheduling environments or resources are defined.
0	(0)	BITSTRING	0	IWMRSNCODESCHENVNOSYSTEM	"X'00000429" The specified resource name is not known to WLM.
0	(0)	BITSTRING	0	IWMRSNCODENODATA	"X'0000042A" The specified scheduling environment exists however the specified system is not known to WLM.
0	(0)	BITSTRING	0	IWMRSNCODENOBQRY	"X'0000042B" WLM has no data to return (IWMBQRY).

IWMYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODEETOKENNOMATCH	"X'0000042C" No Enclave information matching the input Enclave token was found
0	(0)	BITSTRING	0	IWMRSNCODECONTINUERIP	"X'0000042D" IWMBRIP data accepted, but continue searching the job queue.
0	(0)	BITSTRING	0	IWMRSNCODESERVERNOTFOUND	"X'0000042E" Server not found
0	(0)	BITSTRING	0	IWMRSNCODESECONDARYWORKDELETED	"X'0000042F" Unselected secondary work requests queued to this server task were deleted
0	(0)	BITSTRING	0	IWMRSNCODECNTLREGNOTREG	"X'00000430" Control region was not registered
0	(0)	BITSTRING	0	IWMRSNCODEACTIVESERVERS	"X'00000431" Active servers were encountered while shutting down OE servers.
0	(0)	BITSTRING	0	IWMRSNCODEUNKNOWNEXPORTTOKEN	"X'00000432" No enclave matching the export token was found
0	(0)	BITSTRING	0	IWMRSNCODEENCALREADYEXPORTED	"X'00000433" The enclave was exported by another system. It cannot be exported again by this system.
0	(0)	BITSTRING	0	IWMRSNCODEBADENTRYVERSION	"X'00000434" Unable to write LPAR cache entry due to bad version number compare.
0	(0)	BITSTRING	0	IWMRSNCODENOCACHEENTRY	"X'00000435" No LPAR cache entry for read request.
0	(0)	BITSTRING	0	IWMRSNCODEBADBUFSIZE	"X'00000436" Bad LPAR cache entry buffer size.
0	(0)	BITSTRING	0	IWMRSNCODEINVALIDSWITCHTOKEN	"X'00000437" The switch that the input Token Ned represents is not currently having its timestamp information maintained by WLM
0	(0)	BITSTRING	0	IWMRSNCODEINCOMPLETEOUTPUTDATA	"X'00000438" The DCMDT output area has not been initialized.
0	(0)	BITSTRING	0	IWMRSNCODENOAFFINITYFOUND	"X'00000439" No temporal affinity found
0	(0)	BITSTRING	0	IWMRSNCODEREGIONNOTFOUND	"X'0000043A" Region not found
0	(0)	BITSTRING	0	IWMRSNCODEISQUIESCED	"X'0000043B" Reset not allowed for implicitly quiesced enclave.
0	(0)	BITSTRING	0	IWMRSNCODEISRESET	"X'0000043C" Enclave is reset to another service class or reset quiesced.
0	(0)	BITSTRING	0	IWMRSNCODENOTCONFIGURED	"X'0000043D" There are no SUP processors configured but projected is enabled
0	(0)	BITSTRING	0	IWMRSNCODECPUDATAONLY	"X'0000043E" There are pre-V1R9 systems in sysplex. Only CPU data is returned.
0	(0)	BITSTRING	0	IWMRSNCODENOPROJECTION	"X'0000043F" There are no SUP processors configured and projected is disabled
0	(0)	BITSTRING	0	IWMRSNCODENOTALLSERVERSPRESENT	"X'00000440" Not all address spaces defined by the STOKEN list exist. Applies to STARTSRVCOLLECTION and GETSRVDATA requests.
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYMSGCORRS	"X'00000441" Too many message correlators provided
0	(0)	BITSTRING	0	IWMRSNCODECORRELATORUNKNOWN	"X'00000442" The provided correlator is not known
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYMSGSENT	"X'00000443" Too many messages sent
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYMSGRECEIVED	"X'00000444" Too many messages received
0	(0)	BITSTRING	0	IWMRSNCODEARRTIMEGTSTARTTIME	"X'00000445" The specified arrival time is greater than the current time
0	(0)	BITSTRING	0	IWMRSNCODECORRFROMOTHERDOMAIN	"X'00000446" A correlator from another EWLM domain has been provided
0	(0)	BITSTRING	0	IWMRSNCODEREQUESTLISTENTRYWARNING	"X'00000447" The processing of at least one of the request list entries has caused a warning
0	(0)	BITSTRING	0	IWMRSNCODEPOSSIBLEDEADLOCK	"X'00000448" The specified chronic resource contention may have caused a deadlock
0	(0)	BITSTRING	0	IWMRSNCODEWDELETED	"X'00000449" enclave was deleted and one or several associated work-dependent enclaves were physically deleted.
0	(0)	BITSTRING	0	IWMRSNCODEACTIVEWDELETED	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODEAWDELETED	"X'000044A" enclave was deleted while it had one or several TCBS joined or SRBs scheduled/ running. additionally, one or several associated work-dependent enclaves were physically deleted.
0	(0)	BITSTRING	0	IWMRSNCODEACTIVEAWDELETED	"X'000044B" enclave was deleted and one or several associated work-dependent enclaves were physically deleted. one or several physically deleted work-dependent enclaves had TCBS joined or SRBs scheduled/running.
0	(0)	BITSTRING	0	IWMRSNCODEXMSonosubtasks	"X'000044C" enclave was deleted and one or several associated work-dependent enclaves were physically deleted. the enclave itself and one or several physically deleted work-dependent enclaves had TCBS joined or SRBs scheduled/running.
0	(0)	BITSTRING	0	IWMRSNCODEXMSonosubtasks	"X'000044D" For IWMEJOIN: IWMEJOIN requesting SUBTASKS=YES was issued with the primary address space not equal to the home address space. No processing of subtasks was done. The rest of Join processing completed successfully. For IWMELEAV: The corresponding IWMEJOIN requested SUBTASKS=YES but IWMELEAV was issued with the primary address space not equal to the home address space. No processing of subtasks was done. The Leave processing completed successfully because the current dispatchable work unit does not have residual subtasks propagated to the enclave which are still associated with the enclave.
0	(0)	BITSTRING	0	IWMRSNCODENEWSERVCLS	"X'000044E" Input service class token is not valid. A new one has been assigned and returned in SERVCLS (if specified).

Comment

Reason Codes -- IwmRetCodeInvocError
 (Note that the reason codes are of the form "xxxxYYYY" where "xxxx" is used to contain internal diagnostic information)
 Note: Some of the reason codes below for invocation validation checks (such as the one for disabled callers) may not be returned. Instead an ABEND may occur. This is dependent on the state of the system at the time that the service is invoked.

End of Comment

0	(0)	BITSTRING	0	IWMRSNCODESRBMODE	"X'00000801" Caller is in SRB mode
0	(0)	BITSTRING	0	IWMRSNCODEXMEMUSERKEYTKN	"X'00000802" Caller is in Cross Memory mode while the token was requested in a user key
0	(0)	BITSTRING	0	IWMRSNCODEDISABLED	"X'00000803" Caller is disabled
0	(0)	BITSTRING	0	IWMRSNCODELOCKED	"X'00000804" Caller is locked
0	(0)	BITSTRING	0	IWMRSNCODEMONENVSWITCHCONT	"X'00000805" Input monitor token reflects a switch continuation
0	(0)	BITSTRING	0	IWMRSNCODEMONENVPARENT	"X'00000806" Input monitor token reflects a continuation to a dependent monitoring environment
0	(0)	BITSTRING	0	IWMRSNCODEBADSTOKEN	"X'00000807" Bad STOKEN passed
0	(0)	BITSTRING	0	IWMRSNCODEMONENVDEPCONT	"X'00000808" Input monitor token reflects a continuation from a parent monitoring environment
0	(0)	BITSTRING	0	IWMRSNCODESRBUSERKEYTKN	"X'00000809" Caller is in SRB mode, while the token was obtained in user key (8-F)
0	(0)	BITSTRING	0	IWMRSNCODETCBNOTOWNERUSERKEYTKN	"X'0000080A" Current TCB is not the owner, while the token was obtained in a user key (8-F).
0	(0)	BITSTRING	0	IWMRSNCODEBADPL	"X'0000080B" Error accessing parameter list
0	(0)	BITSTRING	0	IWMRSNCODEMONENVLACKSDATA	"X'0000080C" Input monitoring environment does not contain the necessary information
0	(0)	BITSTRING	0	IWMRSNCODEBADSERVCLS	"X'0000080D" Input service class is not valid
0	(0)	BITSTRING	0	IWMRSNCODEARRTIMEGTENDTIME	"X'0000080E" Input arrival time later than current time
0	(0)	BITSTRING	0	IWMRSNCODENOUSERKEYNTFY	

IWMYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODEEUTFRR	"X'0000080F" User key routine not allowed to issue Notify
0	(0)	BITSTRING	0	IWMRSNCODENOUSERKEYRPT	"X'00000810" Caller has EUT FRR established
0	(0)	BITSTRING	0	IWMRSNCODEBADASCB	"X'00000811" User key routine not allowed to issue Report
0	(0)	BITSTRING	0	IWMRSNCODEUSERKEYNOMONTKN	"X'00000812" Bad ASCB address passed
0	(0)	BITSTRING	0	IWMRSNCODEUSERKEYWRONGPRIM	"X'00000813" User key caller with no monitoring token supplied
0	(0)	BITSTRING	0	IWMRSNCODEUSERKEYWRONGSERVER	"X'00000814" User key caller entered with primary different from home (P=H)
0	(0)	BITSTRING	0	IWMRSNCODEDEPCONTEXTISTS	"X'00000815" User key caller entered with input SERVER ASCB NOT equal to current home
0	(0)	BITSTRING	0	IWMRSNCODEPARENWORKRQSTABSENT	"X'00000816" Dependent monitoring environment is already associated with a work request.
0	(0)	BITSTRING	0	IWMRSNCODEBOTHENVSAMETCB	"X'00000817" Parent monitoring environment is NOT associated with a work request.
0	(0)	BITSTRING	0	IWMRSNCODEETCBALREADYASSOC	"X'00000818" Dependent monitoring environment is associated with the same TCB as the parent monitoring environment.
0	(0)	BITSTRING	0	IWMRSNCODECALLERNOTAUTHDEPENV	"X'00000819" Dependent monitoring environment is associated with the same TCB as another dependent monitoring environment with the same parent.
0	(0)	BITSTRING	0	IWMRSNCODECALLERNOTAUTHPARENV	"X'0000081A" Caller is not authorized to update the dependent monitoring environment
0	(0)	BITSTRING	0	IWMRSNCODECONTEXISTS	"X'0000081B" Caller is not authorized to update the parent monitoring environment
0	(0)	BITSTRING	0	IWMRSNCODEBADDELTA	"X'0000081C" Outstanding continuation exists.
0	(0)	BITSTRING	0	IWMRSNCODEBADLU62TKNLEN	"X'0000081D" Data within an element was inaccessible
0	(0)	BITSTRING	0	IWMRSNCODENORELATE	"X'0000081E" The length byte of the LU62 token has an invalid value. Only values 1-36 (decimal) are valid.
0	(0)	BITSTRING	0	IWMRSNCODEBADMONENV	"X'0000081F" NO Parent environment exists since Relate Function(Continue) has not been performed or has not been performed subsequent to a Relate Function(Delete).
0	(0)	BITSTRING	0	IWMRSNCODEBADCONN	"X'00000820" Input monitoring environment does not pass short form validity checking
0	(0)	BITSTRING	0	IWMRSNCODEBADPARENV	"X'00000821" Input connect token does not pass validity checking
0	(0)	BITSTRING	0	IWMRSNCODEDATOFF	"X'00000822" Input parent monitoring environment does not pass short form validity checking
0	(0)	BITSTRING	0	IWMRSNCODEAMODE24	"X'00000823" Caller invoked service while DATOFF
0	(0)	BITSTRING	0	IWMRSNCODEASCMDENOTPRIMARY	"X'00000824" Caller invoked service but was in 24 bit addressing mode.
0	(0)	BITSTRING	0	IWMRSNCODETASKTERM	"X'00000825" Caller invoked service but was not DAT on Primary ASC mode.
0	(0)	BITSTRING	0	IWMRSNCODERSVDNOT0	"X'00000826" Caller invoked service while task termination is in progress for the current TCB.
0	(0)	BITSTRING	0	IWMRSNCODEBADVERSION	"X'00000827" Reserved field in parameter list was non-zero
0	(0)	BITSTRING	0	IWMRSNCODEBADOPTIONS	"X'00000828" Version number in parameter list or version length field is not valid
0	(0)	BITSTRING	0	IWMRSNCODEMONENVRELATED	"X'00000829" Parameter list omits required parameters or supplies mutually exclusive parameters or provides data associated with options not selected.
0	(0)	BITSTRING	0	IWMRSNCODEBAD#INSTANCES	"X'0000082A" Input monitor token is related to a parent monitoring environment
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMBERASCB	"X'0000082B" #INSTANCES variable is not a positive value.
0	(0)	BITSTRING	0	IWMRSNCODEEXSTTIMEGTENDTIME	"X'0000082C" NUMBERASCB variable is not a positive value.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODECONNECTEXISTS	"X'0000082D" Execution start time is greater than execution end time "X'0000082E" Connect has already been established for the current home address space.
0	(0)	BITSTRING	0	IWMRSNCODEWRONGHOME	"X'0000082F" Caller invoked the service from the wrong home address space.
0	(0)	BITSTRING	0	IWMRSNCODEBADALET	"X'00000830" Caller invoked the service but the alet used to address the parameter(s) is incorrect
0	(0)	BITSTRING	0	IWMRSNCODECOLLSUSPENDED	"X'00000831" Workload reporting is suspended. No data is returned.
0	(0)	BITSTRING	0	IWMRSNCODESTATEINVNODATARET	"X'00000832" Invalid state token supplied on IWMRCOLL. No data was returned.
0	(0)	BITSTRING	0	IWMRSNCODENOTINCOMPATMODE	"X'00000833" ICS information was requested but the the system is not in compatibility mode
0	(0)	BITSTRING	0	IWMRSNCODEBADICSALET	"X'00000835" Caller invoked the service but the alet used to address the ICS storage area is incorrect
0	(0)	BITSTRING	0	IWMRSNCODEMAXENCLAVE	"X'00000836" Enclave could not be created because the Enclave limit has been reached.
0	(0)	BITSTRING	0	IWMRSNCODEUSERKEYCONNTKN	"X'00000837" Input connect token is associated with a user key.
0	(0)	BITSTRING	0	IWMRSNCODECLSFYAREATOOBIG	"X'00000838" Input area associated with classification information is larger than supported
0	(0)	BITSTRING	0	IWMRSNCODECLSFYPLTOOSMALL	"X'00000839" Input Classify parameter list is too small
0	(0)	BITSTRING	0	IWMRSNCODEBADENCLAVE	"X'0000083A" Enclave token does not pass verification
0	(0)	BITSTRING	0	IWMRSNCODEHOMENOTOWNCONN	"X'0000083B" Home address space does not own the passed connect token
0	(0)	BITSTRING	0	IWMRSNMISSINGACRO	"X'0000083C" Required acronym missing from parameter list.
0	(0)	BITSTRING	0	IWMRSNCODEBADSERVDI	"X'0000083D" Caller has passed a service definition that failed validation
0	(0)	BITSTRING	0	IWMRSNCODELEVELMISMATCH	"X'0000083E" Caller has passed a service definition where the functionality levels for SVDEF/SVDCR/SVNPA did not match. For example SVDEF_LVL were SVDEF_LEVEL001 and SVDCR_LVL/SVNPALVL were at LEVEL002 level.
0	(0)	BITSTRING	0	IWMRSNCODEPRIMARYNOTOWNCONN	"X'0000083F" Current primary address space does not own the passed connect token
0	(0)	BITSTRING	0	IWMRSNCODESERVICENOTENABLED	"X'00000840" Caller's space connection is not enabled for the requested service
0	(0)	BITSTRING	0	IWMRSNCODEXMEMMODE	"X'00000841" Caller is in Cross Memory mode
0	(0)	BITSTRING	0	IWMRSNCODENOWLMCONNECT	"X'00000842" Caller's space is not connected to WLM
0	(0)	BITSTRING	0	IWMRSNCODESELECTINPROGRESS	"X'00000843" Select work is in progress in caller's address space
0	(0)	BITSTRING	0	IWMRSNCODEBADMONTKN_LISTLEN	"X'00000844" The storage area length specified on the MONTKN_LISTLEN parameter is not large enough to contain the data being Returned. No data is returned
0	(0)	BITSTRING	0	IWMRSNCODEWRONGENCLAVE	"X'00000845" Current dispatchable workunit is not associated with the input Enclave
0	(0)	BITSTRING	0	IWMRSNCODENOUSERKEYREG	"X'00000846" User key routine not allowed to issue Resource Registration
0	(0)	BITSTRING	0	IWMRSNCODEOTHERSPACECONNECTED	"X'00000847" Another address space with the same subsystem type and name is connected to the WLM queue manager.
0	(0)	BITSTRING	0	IWMRSNCODEBADWORKUNITTOKEN	"X'00000848" The work unit token is not valid.
0	(0)	BITSTRING	0	IWMRSNCODEWLMSEVBADAPPL	"X'00000849" For a WLM started server, the APPLENV is not the one used by WLM to start the server.
0	(0)	BITSTRING	0	IWMRSNCODEWLMSEVBADSSN	"X'0000084A" For a WLM started server, the SUBSYSNM= is not the one used by WLM to start the server.
0	(0)	BITSTRING	0	IWMRSNCODEWLMSEVBADSSST	

IWMYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODENOTAUTHCONNECT	"X'0000084B" For a WLM started server, the SUBSYS= is not the one used by WLM to start the server. EQU X'0000084C' Reserved
0	(0)	BITSTRING	0	IWMRSNCODEWLMSERVBADTYPE	"X'0000084D" The caller must be supervisor state or have PSW key mask 0-7 authority to connect to or disconnect from the requested WLM services.
0	(0)	BITSTRING	0	IWMRSNCODEWRONGEXECTOKEN	"X'0000084E" For a WLM started server, the SERVER_TYPE= is not the one used to start the server
0	(0)	BITSTRING	0	IWMRSNCODEBEGINENVOUTSTANDING	"X'0000084F" Current dispatchable workunit is not associated with the input execution unit token
0	(0)	BITSTRING	0	IWMRSNCODESECEENVOUTSTANDING	"X'00000850" Current dispatchable workunit is already operating under an outstanding Begin environment
0	(0)	BITSTRING	0	IWMRSNCODESECEENVOUTSTANDING	"X'00000851" Current dispatchable workunit is already operating under an outstanding security environment
0	(0)	BITSTRING	0	IWMRSNCODEEEXECTOKENNOTCORRECT	"X'00000852" The execution unit token does not identify a previously selected work unit
0	(0)	BITSTRING	0	IWMRSNCODEWLMQMBADTYPE	"X'00000853" There is a queue manager/router environment of the specified subsystem type and name, but it is a different type than specified by the caller.
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYSELECT	"X'00000854" The caller is attempting to select more work units than allowed by the value specified on PARALLEL_EU when the server connected to WLM.
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMEUMAX	"X'00000855" PARALLEL_EU variable is greater than the maximum of 65534
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMEUMIN	"X'00000856" PARALLEL_EU variable is less than the minimum of 1
0	(0)	BITSTRING	0	IWMRSNCODEALREADYINENCLAVE	"X'00000857" Current dispatchable workunit is already in an Enclave
0	(0)	BITSTRING	0	IWMRSNCODENOTEJOINEDTCB	"X'00000858" Current TCB did not issue Enclave Join, but only inherited Enclave attribute from mother TCB
0	(0)	BITSTRING	0	IWMRSNCODEENCLAVESUBTASKEXISTS	"X'00000859" Current TCB has residual subtasks propagated to the Enclave which are still associated with the Enclave. For IWM4STEN: The operation (IWM4STBG) that associated this work unit with the Enclave did not specify SUBTASKS=YES. For IWMELEAV: Either the join (IWMEJOIN) of this work unit to the enclave did not specify SUBTASKS=YES or the join (IWMEJOIN) of this work unit to the enclave did specify SUBTASKS=YES, but the IWMELEAV invocation was not made with PASN=HASN
0	(0)	BITSTRING	0	IWMRSNCODESELECTEDWORKACTIVE	"X'0000085A" The selected work element associated with the input execution unit token is already in execution
0	(0)	BITSTRING	0	IWMRSNCODENOSERVDAREA	"X'0000085B" Caller invoked service without a required SERVD area or the SERVD area address is 0
0	(0)	BITSTRING	0	IWMRSNCODEZEROANSAREA	"X'0000085B" Caller invoked the service with an address of zero for parameter ANSAREA
0	(0)	BITSTRING	0	IWMRSNCODEWRONGNUMEU	"X'0000085C" Caller invoked service with a PARALLEU_EU value which is different from the PARALLEL_EU of existing servers in the application environment
0	(0)	BITSTRING	0	IWMRSNCODEMONENVNOTHOME	"X'0000085D" The input monitoring environment is related to an address space other than home
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMSYS	"X'0000085E" The value for NUMSYS was less than 1 or greater than 32.
0	(0)	BITSTRING	0	IWMRSNCODEBADSYSTEML	"X'0000085F" Error accessing system list storage.
0	(0)	BITSTRING	0	IWMRSNCODENOSYSTEML	"X'00000860" System list did not contain any valid system names.
0	(0)	BITSTRING	0	IWMRSNCODEQUEUENOTDEFINED	"X'00000861" Input queue (QTOKEN=) is not defined to WLM.
0	(0)	BITSTRING	0	IWMRSNCODENOPRIORSELECT	"X'00000862" Caller has not previously selected work using IWMSSEL.
0	(0)	BITSTRING	0	IWMRSNCODENOEXECENV	"X'00000863" Caller has not established an execution environment using IWMSTBGN.
0	(0)	BITSTRING	0	IWMRSNCODESECONDARYWORKEXISTS	"X'00000864" There are secondary work requests queued to this server task.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODEROUTINGTABLEEXISTS	"X'00000865" The sysplex routing table already exists.
0	(0)	BITSTRING	0	IWMRSNCODEDUPLICATECTRLREG	"X'00000866" Control region triplet is already in use on system
0	(0)	BITSTRING	0	IWMRSNCODECNTLREGALREADYREG	"X'00000867" Address space has already registered as a control region
0	(0)	BITSTRING	0	IWMRSNCODEMAXCNTLREGEXCEED	"X'00000868" Maximum number of control regions per system has been reached
0	(0)	BITSTRING	0	IWMRSNCODESYSTYPENOTREG	"X'00000869" Subsystem type was not registered for control region routing
0	(0)	BITSTRING	0	IWMRSNCODEGROUPNOTREG	"X'0000086A" Group was not registered for control region routing for this subsystem
0	(0)	BITSTRING	0	IWMRSNCODENOCNTLREG	"X'0000086B" No control region was registered for the group
0	(0)	BITSTRING	0	IWMRSNCODENOCRROUTETABLE	"X'0000086C" No routing table is available
0	(0)	BITSTRING	0	IWMRSNCODENOCRGROUPS	"X'0000086D" No groups found for subsystem
0	(0)	BITSTRING	0	IWMRSNCODENOTCNTLREG	"X'0000086E" Service was invoked by caller who is not a registered control region
0	(0)	BITSTRING	0	IWMRSNCODEINVALIDSHUTDOWN	"X'0000086F" Invalid shutdown function specified
0	(0)	BITSTRING	0	IWMRSNCODEBADEXPORTTOKEN	"X'00000870" The export token is not validly formatted
0	(0)	BITSTRING	0	IWMRSNCODEDIDNOTEXPORTORIMPORT	"X'00000871" The primary address space did not export or import the enclave so it cannot undo the export or import
0	(0)	BITSTRING	0	IWMRSNCODEFOREIGNENCLAVE	"X'00000872" The requested service is not supported for a foreign enclave
0	(0)	BITSTRING	0	IWMRSNCODEWRONGSRVLMT	"X'00000873" Caller invoked service with a SERVER_LIMIT value which is different from the SERVER_LIMIT of existing servers in the application environment
0	(0)	BITSTRING	0	IWMRSNCODEWRONGMNGTSK	"X'00000874" Caller invoked service with a MANAGE_TASKS flag which is different from the MANAGE_TASKS of existing servers in the application environment
0	(0)	BITSTRING	0	IWMRSNCODETKNINDMSMCH	"X'00000875" The supplied NED Token and NED index do not refer to the same subsystem
0	(0)	BITSTRING	0	IWMRSNCODENOCPUONLINE	"X'00000876" All the supplied CPUs are currently brought off-line by operator
0	(0)	BITSTRING	0	IWMRSNCODEDCMNOTINITIALIZED	"X'00000877" Dynamic CHPid Management is not ready to accept calls to C4CPY, C4DEL, C4TMP or C4PIV. (The XDE does not exist)
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMLIMITMAX	"X'00000878" Server_Limit is greater than 65534
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMLIMITMIN	"X'00000879" Server_Limit is smaller than PARALLE_EU
0	(0)	BITSTRING	0	IWMRSNCODENOQSERVER	"X'0000087A" Using these parameters requires to specify SERVER_TYPE(Queue)
0	(0)	BITSTRING	0	IWMRSNCODEUNEXPECTEDCALL	"X'0000087B" The call of IWMSINF is not allowed when MANAGE_TASKS is NO
0	(0)	BITSTRING	0	IWMRSNCODEWRONGAELIMITS	"X'0000087C" Appl. Env. Limits don't match definitions of running servers
0	(0)	BITSTRING	0	IWMRSNCODEBADNUMAESRVMAX	"X'0000087D" Appl. Env. Limit: AEServerMax is smaller than paralle_eu
0	(0)	BITSTRING	0	IWMRSNCODEROMONENV	"X'0000087E" Appl. Contexts: Input monitoring environment is report only
0	(0)	BITSTRING	0	IWMRSNCODEROPAREN	"X'0000087F" Appl. Contexts: Input parent monitoring environment is report only
0	(0)	BITSTRING	0	IWMRSNCODEBADREGTOKEN	"X'00000880" Register token does not pass verification
0	(0)	BITSTRING	0	IWMRSNCODEENCLAVEPREVIOUSLYDELETED	"X'00000881" The enclave was already deleted before, but physical deletion is delayed due to outstanding deregistration.
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYREGISTRATIONS	"X'00000882" The internal registration limit was reached
0	(0)	BITSTRING	0	IWMRSNCODEMONENVASSOCIATE	"X'00000883" Appl. Contexts: Input monitoring environment is associated

IWMYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODEENCLAVEDEFEX	"X'00000884" Appl. Contexts: Enclave is marked Execution Start deferred
0	(0)	BITSTRING	0	IWMRSNCODEDEPENDENTENCLAVE	"X'00000885" Reset not allowed for dependent enclave
0	(0)	BITSTRING	0	IWMRSNCODEBADREQUESTCODE	"X'00000886" Invalid request code specified in topology request
0	(0)	BITSTRING	0	IWMRSNCODEBADENTITYTYPE	"X'00000887" Invalid entity type specified in topology request
0	(0)	BITSTRING	0	IWMRSNCODEBADREQUESTLIST	"X'00000888" The topology request list has invalid entries
0	(0)	BITSTRING	0	IWMRSNCODEBADRESOURCELEN	"X'00000889" The resource identifier is too long, negative, or 0
0	(0)	BITSTRING	0	IWMRSNCODEBADENTITYID	"X'0000088A" Invalid entity id specified in topology request
0	(0)	BITSTRING	0	IWMRSNCODEBADTCB	"X'0000088B" The specified TCB address does not pass verification
0	(0)	BITSTRING	0	IWMRSNCODEBADREQUESTLISTVERSION	"X'0000088C" The topology request list version is incorrect
0	(0)	BITSTRING	0	IWMRSNCODEBADREQUESTLISTLENGTH	"X'0000088D" The topology request list length is incorrect
0	(0)	BITSTRING	0	IWMRSNCODEWLMSEVBADSSND	"X'0000088E" For a WLM started server, the NODENM= is not the one used by WLM to start the server.
0	(0)	BITSTRING	0	IWMRSNCODEAPPLNOTSSN	"X'0000088F" The APPLENV is not defined for the subsystem node specified
0	(0)	BITSTRING	0	IWMRSNCODEAPPLENVEXISTS	"X'00000890" The application environment is already defined
0	(0)	BITSTRING	0	IWMRSNCODEAPPLENVNOTFOUND	"X'00000891" The application environment could not be found
0	(0)	BITSTRING	0	IWMRSNCODEEWMCORRNOTALLOWED	"X'00000892" It is not allowed to pass a correlator to the service
0	(0)	BITSTRING	0	IWMRSNCODEMISSINGEWLMCORR	"X'00000893" It is not allowed to invoke the service without passing a correlator
0	(0)	BITSTRING	0	IWMRSNCODEINVALIDEWLMCORR	"X'00000894" The correlator passed to this service is invalid
0	(0)	BITSTRING	0	IWMRSNCODEEWMSEVRNOTENABLED	"X'00000895" The service is not enabled since the caller connected with EWLM=NO
0	(0)	BITSTRING	0	IWMRSNCODEBADWORKREQHANDLE	"X'00000896" The passed work request handle is invalid
0	(0)	BITSTRING	0	IWMRSNCODETRANSTATUSINVALID	"X'00000897" The passed transaction status on IWMESTOP is not valid
0	(0)	BITSTRING	0	IWMRSNCODEBADBLOCKHANDLE	"X'00000898" The passed block handle on IWMEUBLK is not valid
0	(0)	BITSTRING	0	IWMRSNCODEROUTINGTABLENOTFOUND	"X'00000899" Routing table has not been built and cannot be detached
0	(0)	BITSTRING	0	IWMRSNCODEWRONGTASK	"X'0000089A" Routing subtask must be detached by the attaching task
0	(0)	BITSTRING	0	IWMRSNCODEDUPLICATEREQUEST	"X'0000089B" Only one routing table subtask is allowed per address space
0	(0)	BITSTRING	0	IWMRSNCODEDUPAENAMEINSERT	"X'0000089C" The insert was for an application environment with a duplicate name within the same node.
0	(0)	BITSTRING	0	IWMRSNCODEWRONGSYSLEVELS	"X'0000089D" There are servers registered in SRRUs with a too old level for the "specific" function in the routing service
0	(0)	BITSTRING	0	IWMRSNCODESERVICEAMODEMISMATCH	"X'0000089E" Caller is in an addressing mode incompatible with the invoked service.
0	(0)	BITSTRING	0	IWMRSNCODEMORETHANONESTART	"X'0000089F" Caller has issued an IWMESTRT, but a workrequest is already active and the ESTART= EXPLICIT SINGLE option has been specified on IWMECREA
0	(0)	BITSTRING	0	IWMRSNCODENOTEXPLICITSSINGLE	"X'000008A0" Caller has specified the EWLMODE=EXPLICIT_SINGLE option, but the enclave was not created with ESTART=EXPLICIT_SINGLE
0	(0)	BITSTRING	0	IWMRSNCODEBADBPMINMAXSIZE	"X'000008A1" For registered BufferPool resources the maximum value must be at least as big as the minimum value
0	(0)	BITSTRING	0	IWMRSNCODEBADHEALTH	"X'000008A2" HEALTH parameter not in Range 0 ... 100
0	(0)	BITSTRING	0	IWMRSNCODEOCTALREADYDEFINED	"X'000008A3" Offload definition has been requested already
0	(0)	BITSTRING	0	IWMRSNCODEBPPAREN	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODENOCOCONTENTION	"X'000008A4" The specified resource contention is already stored in the resource topology
0	(0)	BITSTRING	0	IWMRSNCODEBADREQUESTLISTENTRY	"X'000008A5" The specified resource contention is not stored in the resource topology
0	(0)	BITSTRING	0	IWMRSNCODEBADRESOURCE	"X'000008A6" The specified resource contention is not stored in the resource topology
0	(0)	BITSTRING	0	IWMRSNCODEDUPCONTENTION	"X'000008A7" The specified resource is not stored in the resource topology
0	(0)	BITSTRING	0	IWMRSNCODEDATAAREATOOSMALL	"X'000008A8" The specified resource contention is already stored in the resource topology
0	(0)	BITSTRING	0	IWMRSNCODENOSERVEREXISTS	"X'000008A9" The return data area is too small. The length value RTOTotalRequiredLength in the return data area contains the required minimum length of the return data area. No data is returned, but the data collection has not been stopped. Applies to GETSYSTEMDATA and GETSRVDATA request
0	(0)	BITSTRING	0	IWMRSNCODEINVALIDRTOKEN	"X'000008AA" None of the address spaces defined by the STOKEN list exists. This reason code is only defined for a STARTSRVCOLLECTION request - the data collection has not been started.
0	(0)	BITSTRING	0	IWMRSNCODETRANNOTSTARTED	"X'000008AB" The RTOKEN is invalid for the caller AS
0	(0)	BITSTRING	0	IWMRSNCODEALREADYACTIVE	"X'000008AC" No work request has been started
0	(0)	BITSTRING	0	IWMRSNCODECORRCONFLICT	"X'000008AD" The running work request must be terminated first, before a new one can be started.
0	(0)	BITSTRING	0	IWMRSNCODEDEADLOCK	"X'000008AE" Setting the independent flag in an correlator failed because the asynchronous flag is not set.
0	(0)	BITSTRING	0	IWMRSNCODESUBSYSEWLMNOTALLOWED	"X'000008AF" The specified chronic resource contention caused a dead lock
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYTEMPAFF	"X'000008B0" Subsystem type EWLM is not allowed to connect to work manager
0	(0)	BITSTRING	0	IWMRSNCODEPARSERERR	"X'000008B1" No more than 2 GB temporal affinities supported
0	(0)	BITSTRING	0	IWMRSNCODEXMLZEROLEN	"X'000008B2" Xml parser error. The reason code of the parser is in the field: VALCHECK_RSN of the IWMDINST service
0	(0)	BITSTRING	0	IWMRSNCODEX	"X'000008B3" The input XML of IWMDINST has a length of zero bytes.
0	(0)	BITSTRING	0	IWMRSNCODEXMLINVALID	"X'000008B4" This is not used anywhere, feel free to use this reason code
0	(0)	BITSTRING	0	IWMRSNCODEWRONGAUTHORIZATION	"X'000008B5" The XML is incorrect, see VALCHECK_RSN and VALCHECK_OFFSET for details
0	(0)	BITSTRING	0	IWMRSNCODEWORKDEPENDCLAVE	"X'000008B6" an authorized caller invoked a service which requires the caller to be unauthorized
0	(0)	BITSTRING	0	IWMRSNCODEWORKDEPENDCLAVE	"X'000008B7" the requested service is not supported for a 'work-dependent' enclave

Comment

Reason Codes -- IwmRetCodeEnvError
(Note that the reason codes are of the form "xxxxYYYY" where
"xxxx" is used to contain internal diagnostic information)

End of Comment

0	(0)	BITSTRING	0	IWMRSNCODENOSTG	"X'00000C01" No storage is available for the request
0	(0)	BITSTRING	0	IWMRSNCODEREPORTINGSUSP	"X'00000C02" SYSEVENT TRAXFRPT invoked, but reporting is temporarily suspended for one of the following reasons: 1) RMF workload activity reporting is not active 2) There is no installation control specification (IEAICSxx parmliib member with RPGN specified for some subsystem other than TSO) in effect No data reported but a later reissue could be successful
0	(0)	BITSTRING	0	IWMRSNCODESYSEVENTNOWORKELT	"X'00000C03" SYSEVENT TRAXFRPT invoked, but no work element was available to save the input information

IWMYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODENTFYNOWORKELT	"X'0000C04" Notify routine invoked, but no work element was available to save the input information
0	(0)	BITSTRING	0	IWMRSNCODERPTNOWORKELT	"X'0000C05" Report routine invoked, but no work element was available to save the input information
0	(0)	BITSTRING	0	IWMRSNCODENOENDTIME	"X'0000C06" No end time was supplied to the service and STCK gave a non-zero condition code.
0	(0)	BITSTRING	0	IWMRSNCODENOARRTIME	"X'0000C07" No arrival time was supplied to the service and STCK gave a non-zero condition code.
0	(0)	BITSTRING	0	IWMRSNCODENOEXTIME	"X'0000C08" No execution start time was supplied to the service and STCK gave a non-zero condition code.
0	(0)	BITSTRING	0	IWMRSNCODENORESMGR	"X'0000C09" No RESMGR could be established
0	(0)	BITSTRING	0	IWMRSNCODESUSPENDED	"X'0000C0A" Data sampling, or collection is suspended as a result of a component error. No data can be returned for this invocation (IWMWRCOL or IWMWRQRY)
0	(0)	BITSTRING	0	IWMRSNCODESTATECHANGED	"X'0000C0B" A state change (SET IPS or ICS while in compatability mode, a policy activation while in goal mode, or a mode switch from compatability mode to goal or vise versa) occurred while the data for the last sampling interval was being collected. No data is returned for this invocation of IWMRQRY. The current sampling interval should be bypassed, future invocations of IWMRQRY for subsequent sampling intervals should begin returning data again
0	(0)	BITSTRING	0	IWMRSNCODECLASSIFYFAIL	"X'0000C0C" WLM Classification failed when it was invoked from the ENCLAVE CREATE service, IWMECREA.
0	(0)	BITSTRING	0	IWMRSNCODEBADCLSFY	"X'0000C0D" Classification apparently can not access the current policy possibly due to a policy switch in progress.
0	(0)	BITSTRING	0	IWMRSNCODEINSUFACCESS	"X'0000C0E" Caller has insufficient RACF authority to the WLM CDS resource
0	(0)	BITSTRING	0	IWMRSNCODECDSNOTAVAIL	"X'0000C0F" WLM CDS is not available
0	(0)	BITSTRING	0	IWMRSNCODECDSTOOSMALL	"X'0000C10" WLM CDS is too small
0	(0)	BITSTRING	0	IWMRSNCODEONESYSTEMUNABLE	"X'0000C11" One or more systems was unable to activate the new policy
0	(0)	BITSTRING	0	IWMRSNNOGOALMODESYSTEMS	"X'0000C12" There are no goal mode systems in the sysplex
0	(0)	BITSTRING	0	IWMRSNCODEPOLICYNOTAVAIL	"X'0000C13" When invoked from the IWMPACT service, the service definition in CDS has failed validation
0	(0)	BITSTRING	0	IWMRSNCODENOWORKSHUTDOWN	"X'0000C14" No work selected. Caller is to shutdown. EQU X'0000C15' Reserved
0	(0)	BITSTRING	0	IWMRSNCODESERVERUNAVAIL	"X'0000C16" A server cannot be started to process the IWMQINS request.
0	(0)	BITSTRING	0	IWMRSNCODESECEENVCREATEFAILED	"X'0000C17" A user security environment cannot be created.
0	(0)	BITSTRING	0	IWMRSNCODESECEENVDELETEFAILED	"X'0000C18" A user security environment cannot be deleted.
0	(0)	BITSTRING	0	IWMRSNCODENOTSECAUTHCONNECT	"X'0000C19" The caller is not authorized by SAF to connect to WLM with SERVER_MANAGER=YES
0	(0)	BITSTRING	0	IWMRSNCODEAPPLNOTDEFINED	"X'0000C1A" The APPLENV is not defined in the current WLM policy.
0	(0)	BITSTRING	0	IWMRSNCODEAPPLNOTSST	"X'0000C1B" The APPLENV is defined for another subsystem type in the current WLM policy.
0	(0)	BITSTRING	0	IWMRSNCODESERVERNOTSTARTED	"X'0000C1C" No server exists for the specified application environment and no server could be started.
0	(0)	BITSTRING	0	IWMRSNCODEQMGRNOTACTIVE	"X'0000C1D" The required Queue Manager is not active
0	(0)	BITSTRING	0	IWMRSNCODEHIGHERVERSIONLEVEL	"X'0000C1E" CDS has a higher version service definition for this system. A system with a lower level version can not activate a service policy since it is not capable of handling all the function in the service definition.
0	(0)	BITSTRING	0	IWMRSNCODESERVEREXISTS	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODEDEPCLASSIFYFAIL	"X'0000C1F" A server exists for the specified application environment which only allows 1 such server in the sysplex.
0	(0)	BITSTRING	0	IWMRSNCODENOMONENVERR	"X'0000C20" Unable to obtain classification attributes for a dependent enclave.
0	(0)	BITSTRING	0	IWMRSNCODEAPPLENVQUIESCED	"X'0000C21" Monitoring token indicates that no monitoring environment exists. Most delay monitoring services use the less severe version of this reason code (402x).
0	(0)	BITSTRING	0	IWMRSNCODEINLOCALSYSTEM	"X'0000C22" The application environment has been quiesced. server cannot be started for the request.
0	(0)	BITSTRING	0	IWMRSNCODEPROCNAMEBLANK	"X'0000C23" Local system is not running with the current WLM policy, new server cannot be started for the request.
0	(0)	BITSTRING	0	IWMRSNCODEAPPLENVSTOPPED	"X'0000C24" Server procname is blank, server cannot be started for the request.
0	(0)	BITSTRING	0	IWMRSNCODEROUTERNOTACTIVE	"X'0000C25" WLM has given up trying to start a server because of failures. The associated application environment has been internally stopped.
0	(0)	BITSTRING	0	IWMRSNCODEFSVREQINCOMPAT	"X'0000C26" Either there is no router exists for the requested server or the router exists but not active. No server can be selected/started on this system.
0	(0)	BITSTRING	0	IWMRSNCODEBADSERVICECLASS	"X'0000C27" No server exists for the IWMSRFSV request and WLM cannot find a goal mode system in the sysplex to start a server.
0	(0)	BITSTRING	0	IWMRSNCODESVDEFIDWRONG	"X'0000C28" Service class not defined to WLM.
0	(0)	BITSTRING	0	IWMRSNCODEDUPLICATEQUEUE	"X'0000C29" SVDEF_ID does not match the service definition in use by WLM.
0	(0)	BITSTRING	0	IWMRSNCODETOKENNOTCURRENT	"X'0000C2A" QTOKEN or SRVCLSNM matches a previously registered batch job queue
0	(0)	BITSTRING	0	IWMRSNCODECANNOTACCESSPOLICY	"X'0000C2B" The input token does not correspond to the active policy
0	(0)	BITSTRING	0	IWMRSNCODEBADPERFORMANCEGROUP	"X'0000C2C" The active policy cannot be accessed possibly due to a policy activation in progress.
0	(0)	BITSTRING	0	IWMRSNCODEWRONGMODE	"X'0000C2D" Performance group number is not defined.
0	(0)	BITSTRING	0	IWMRSNCODESYSTEMSPACE	"X'0000C2E" The requested function is not available in the current WLM system mode.
0	(0)	BITSTRING	0	IWMRSNCODEDUPLICATEJOBS	"X'0000C2F" The function is not allowed for a system address space.
0	(0)	BITSTRING	0	IWMRSNCODEWRONGASID	"X'0000C30" More than one job exists with the specified jobname.
0	(0)	BITSTRING	0	IWMRSNCODENOTELIGIBLEFORSRVCLASS	"X'0000C31" The specified jobname is not active in the specified address space id.
0	(0)	BITSTRING	0	IWMRSNCODEOTHERSUBSYSREGQUEUE	"X'0000C32" The specified jobname is not eligible for reset into the specified system service class
0	(0)	BITSTRING	0	IWMRSNCODENOSELECTION	"X'0000C33" QTOKEN is already registered by another subsystem.
0	(0)	BITSTRING	0	IWMRSNCODENOTSECAUTHSERVREG	"X'0000C34" WLM is unable to make a selection.
0	(0)	BITSTRING	0	IWMRSNCODESTRUCTUREUNAVAILABLE	"X'0000C35" The caller is not authorized by SAF to reg/dereg a server
0	(0)	BITSTRING	0	IWMRSNCODESTRUCTUREFULL	"X'0000C36" WLM does not have access to its coupling facility structure
0	(0)	BITSTRING	0	IWMRSNCODEUPLEVELOBJECT	"X'0000C37" The coupling facility structure is full
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYSYSTEMS	"X'0000C38" An object requires functions that are not available on this level of the operating system
0	(0)	BITSTRING	0	IWMRSNCODEINVALIDSUBSYSTEM	"X'0000C39" The sysplex has exceeded 32 systems with unique names. This can occur when a system is reIPLed into the sysplex with a different SYSNAME or CPU Adjustment factor.
0	(0)	BITSTRING	0	IWMRSNCODESTOPTASK	"X'0000C3A" Invalid subsystem provided.
0	(0)	BITSTRING	0	IWMRSNCODESTOPTASK	

IWMYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IWMRSNCODECONFIGFAILED	"X'0000C3B" WLM decided to stop the current task. This can occur when WLM reduces the number of instances per server
0	(0)	BITSTRING	0	IWMRSNCODEENTRYNOTPROCESSED	"X'0000C3C" System failed to configure CPU on-line.
0	(0)	BITSTRING	0	IWMRSNCODETOOMANYSWITCHES	"X'0000C3D" The input DCMDT entry was not processed due to a CF error
0	(0)	BITSTRING	0	IWMRSNCODEUNABLETORETRIEVETMP	"X'0000C3E" The maximum number of switches that WLM can maintain timestamp information has been exceeded
0	(0)	BITSTRING	0	IWMRSNCODENOSAFCHECKPOSSIBLE	"X'0000C3F" WLM was unable to retrieve the timestamp for the I/O subsystem
0	(0)	BITSTRING	0	IWMRSNCODESAFCHECKFAILED	"X'0000C40" A SAF or RACF security function could not be performed
0	(0)	BITSTRING	0	IWMRSNCODEALETERROR	"X'0000C41" A SAF or RACF security function failed
0	(0)	BITSTRING	0	IWMRSNCODENOFREEENTRIES	"X'0000C42" An error occurred while accessing the access list entry table
0	(0)	BITSTRING	0	IWMRSNCODEGENRESLISTISFULL	"X'0000C43" No free entry could be found in a dynamic AET
0	(0)	BITSTRING	0		"X'0000C44" 1936 generic resources already have been registered, no more are allowed

Comment

Reason Codes -- IwmRetCodeCompError
 (Note that the reason codes are of the form "xxxxYYYY" where
 "xxxx" is used to contain internal diagnostic information)

Other Constants

End of Comment

0	(0)	BITSTRING	0	IWMRSNCODE_HIMASK_CONST	"X'FFFF0000" Mask to isolate internal diagnostic info
0	(0)	BITSTRING	0	IWMRSNCODE_MASK_CONST	"X'0000FFFF" Mask to isolate external reason code
		.... ..1		IWMABNL_SCOPE_LOCALMVS	"X'00000001" Mask for abnormalities which would only affect work on one MVS image
		.... ..1.		IWMABNL_SCOPE_SYSPLEX	"X'00000002" Mask for abnormalities which would affect work on all MVS images in the sysplex
		.... ....		IWMCLSFY_BINARY_NOT_SPECIFIED	"X'80000000" For FIXED(31) classification attributes such as priority, indicates the value is not available.
0	(0)	BITSTRING	0	IWMRSNCODELDEINVALID	"X'0000F01" LPAR cache entry invalid. LDE type.
0	(0)	BITSTRING	0	IWMRSNCODECDEINVALID	"X'0000F02" LPAR cache entry invalid. CDE type.
0	(0)	BITSTRING	0	IWMRSNCODEXDEINVALID	"X'0000F03" LPAR cache entry invalid. XDE type.
0	(0)	BITSTRING	0	IWMRSNCODESDEINVALID	"X'0000F04" LPAR cache entry invalid. SDE type.
0	(0)	BITSTRING	0	IWMRSNCODESXDEINVALID	"X'0000F05" LPAR cache entry invalid. SXDE type.
0	(0)	BITSTRING	0	IWMRSNCODECDETABLEINVALID	"X'0000F06" DCM entry invalid. CDE Table type.
0	(0)	BITSTRING	0	IWMRSNCODECDEXINVALID	"X'0000F07" DCM entry invalid. CDEX type.
0	(0)	BITSTRING	0	IWMRSNCODECPEINVALID	"X'0000F08" DCM entry invalid. CPE type.
0	(0)	BITSTRING	0	IWMRSNCODEUNKNOWNLVL	"X'0000F09" The SERVD has an unknown level which has no corresponding name space
0	(0)	BITSTRING	0	IWMRSNCODEENDOFBUFFER	"X'0000F0A" Unexpected end of buffer.

Comment

EWLM ARM Status Codes

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ....		IWMEWLMARMSTATUSGOOD	"X'00000000" Transaction successful
		.... ...1		IWMEWLMARMSTATUSABORTED	"X'00000001" Transaction aborted. This value indicates there was a fundamental failure in the system - for example a communications timeout or a database operation error
		.... ..1.		IWMEWLMARMSTATUSFAILED	"X'00000002" Transaction failed. This value indicates the system worked properly but the transaction was not successful - for example, when making an airline reservation, no seats are available on the requested flight.
		.... ...11		IWMEWLMARMSTATUSUNKNOWN	"X'00000003" Transaction status is unknown
0	(0)	BITSTRING	0	IWMEWLMARMSTATUSNONE	"X'FFFFFFFF" Transaction status keyword not specified on macro invocation

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PB	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	32	PB_CREATE	Space reserved for Create attributes
0	(0)	CHARACTER	5	PB_ID_VERSION	Space for id and version information
0	(0)	CHARACTER	4	PB_ID	Space for id
0	(0)	X'C24040'	0	PB_ID_CONST	"C'PB '" Performance block eye catcher constant
4	(4)	BITSTRING	1	PB_VERSION	Space for version information
4	(4)	X'1'	0	PB_VERSION1	"1" Performance block version 1. 1=HBB5510, HBB5520
4	(4)	X'2'	0	PB_VERSION2	"2" Performance block version 2. 2=HBB6603.
4	(4)	X'3'	0	PB_VERSION3	"3" Performance block version 3. 3=JBB6609.
4	(4)	X'4'	0	PB_VERSION4	"4" Performance block version 4. 4=HBB7705.
4	(4)	X'5'	0	PB_VERSION5	"5" Performance block version 5. 4=HBB7707.
4	(4)	X'6'	0	PB_VERSION6	"6" Performance block version 6. 6=HBB7730 or HBB7720 with APAR OA12935
4	(4)	X'7'	0	PB_VERSION7	"7" Performance block version 7. 7=HBB7740
4	(4)	X'8'	0	PB_VERSION8	"8" Performance block version 8. 8=HBB7790 64 Bit Support
4	(4)	X'8'	0	PB_CURRENT_VERSION	"8" Performance block current version
5	(5)	BITSTRING	1	PB_FLAGS	Flag Area
5	(5)	X'CO'	0	PB_FLAGS_MASK	"PB_REPORT_ONLY+PB_ASSOCIATE" Mask for PB Flags
		1...		PB_REPORT_ONLY	"B'10000000" This is a report only PB
		.1..		PB_ASSOCIATE	"B'01000000" This PB is associated with an enclave or an address space
		..1.		PB_EWLM_ENABLED	"B'00100000"
		...1		PB_EWLM_PARENT_ENABLED	"B'00010000"
		.... 1...		PB_EWLM_EWLM_YES	"B'00001000"
		.... .1..		PB_BPMGMT_ONLY	"B'00000100" This is a BP mgmt only PB
6	(6)	BITSTRING	2	PB_NEW_LENGTH	Length of PB_CLEAR. See Notes section in prolog if you are changing the length of PB_CLEAR
8	(8)	CHARACTER	4	PB_SUBSYS_TYPE	Subsystem type
12	(C)	CHARACTER	8	PB_SUBSYSNM	Subsystem name
20	(14)	ADDRESS	4	PB_MIRROR_PTR	PB Mirror pointer
20	(14)	BITSTRING	4	PB_MIRROR_TKN	Token for control information
24	(18)	CHARACTER	8	PB_RSVD0018	Reserved space
32	(20)	CHARACTER	1	PB_CLEAR_FLD	Origin of area to be cleared for reuse
32	(20)	BITSTRING	4	PB_OWNER_DATA	Data specified by user/owner
36	(24)	BITSTRING	4	PB_OWNER_TKN	Token specified by user/owner
40	(28)	DBL WORD	8	(0)	PB_ARRTIME should be on a dwd boundary
40	(28)	BITSTRING	8	PB_ARRTIME	Arrival time for work request
48	(30)	DBL WORD	8	(0)	PB_EXSTARTTIME should be on a dwd boundary
48	(30)	BITSTRING	8	PB_EXSTARTTIME	Execution start time for work request
56	(38)	ADDRESS	4	PB_DU_ASCB	Address of ASCB associated with the dispatchable unit serving the work request

IWMYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	ADDRESS	4	PB_DU	Address of TCB associated with the dispatchable unit serving the work request or 1 signifying an SRB
60	(3C)	X'1'	0	PB_DU_SRB	"1" DU is associated with an SRB
60	(3C)	X'1'	0	PB_SRB_SAMEDU_NO	"1" DU is associated with an SRB distinct from the parent
60	(3C)	X'3'	0	PB_SRB_SAMEDU_YES	"3" DU is associated with same SRB as parent
64	(40)	CHARACTER	1	PB_RSVD0040	Reserved space
65	(41)	BITSTRING	1	PB_STATE	State of the work request
		.... ....		PB_STATE_FREE	"X'00" State is free - PB not associated with a work request
		.... ...1		PB_STATE_ACTIVE	"X'01" State is active - work request associated with the PB is active (running on a CP)
		.... ...1		PB_STATE_ACTIVE_SUBSYS	"X'01" @WLMPPAPC State is active - subsys work request with the PB is active (running on a CP) - Equivalent to old active state
		.... ..1.		PB_STATE_READY	"X'02" State is ready - work request associated with the PB is ready (could run on a CP if another program were not running)
		.... ..11		PB_STATE_IDLE	"X'03" State is idle - no work request is available to the work manager that it is allowed to run
		.... ..1..		PB_STATE_ACTIVE_APPL	"X'04" @OW54806 State is active - application work with the PB is active
		111. ...1		PB_STATE_WAITING_SSL_THREAD	"X'E1" @WLMPPAPC State is waiting on an SSL Thread
		111. ..1.		PB_STATE_WAITING_REG_THREAD	"X'E2" @OW54806 State is waiting on a regular Thread
		111. ...11		PB_STATE_WAITING_REG_TO_WRKTB	"X'E3" @OW54806 State is waiting for a registration to worktable
		11.1 ...1		PB_STATE_WAITING_TYPE1	"X'D1" @WLMPPBS Waiting state for resource TYPE 1
		11.1 ..1.		PB_STATE_WAITING_TYPE2	"X'D2" @WLMPPBS Waiting state for resource TYPE 2
		11.1 ..11		PB_STATE_WAITING_TYPE3	"X'D3" @WLMPPBS Waiting state for resource TYPE 3
		11.1 ..1..		PB_STATE_WAITING_TYPE4	"X'D4" @WLMPPBS Waiting state for resource TYPE 4
		11.1 ..1.1		PB_STATE_WAITING_TYPE5	"X'D5" @WLMPPBS Waiting state for resource TYPE 5
		11.1 ..11.		PB_STATE_WAITING_TYPE6	"X'D6" @WLMPPBS Waiting state for resource TYPE 6
		11.1 ..111		PB_STATE_WAITING_TYPE7	"X'D7" @WLMPPBS Waiting state for resource TYPE 7
		11.1 1...		PB_STATE_WAITING_TYPE8	"X'D8" @WLMPPBS Waiting state for resource TYPE 8
		11.1 1..1		PB_STATE_WAITING_TYPE9	"X'D9" @WLMPPBS Waiting state for resource TYPE 9
		11.1 1.1.		PB_STATE_WAITING_TYPE10	"X'DA" @WLMPPBS Waiting state for resource TYPE 10
		11.1 1.11		PB_STATE_WAITING_TYPE11	"X'DB" @WLMPPBS Waiting state for resource TYPE 11
		11.1 11..		PB_STATE_WAITING_TYPE12	"X'DC" @WLMPPBS Waiting state for resource TYPE 12
		11.1 11.1		PB_STATE_WAITING_TYPE13	"X'DD" @WLMPPBS Waiting state for resource TYPE 13
		11.1 111.		PB_STATE_WAITING_TYPE14	"X'DE" @WLMPPBS Waiting state for resource TYPE 14
		11.1 1111		PB_STATE_WAITING_TYPE15	"X'DF" @WLMPPBS Waiting state for resource TYPE 15
		1111 ...1		PB_STATE_WAITING_BUFFER_POOL_IO	"X'F1" State is waiting on an IO due to a buffer pool miss
		1111 ..1.		PB_STATE_WAITING_BUFFER_POOL_CF	"X'F2" State is waiting on an CF access due to a buffer pool miss
		1111 ..11		PB_STATE_WAITING_BUFFER_POOL_CF_IO	"X'F3" State is waiting on an IO due to a buffer pool miss and a CF miss
		1111 ..1..		PB_STATE_WAITING_CF_IO	"X'F4" @WLMPPBPM State is waiting on an IO due to a CF miss
		1111 ..1.1		PB_STATE_WAITING_DISTRIB	"X'F5" State is waiting on a distributed request
		1111 ..11.		PB_STATE_WAITING_TIMER	"X'F6" State is waiting on a timer
		1111 ..111		PB_STATE_WAITING_LATCH	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1111 1..		PB_STATE_WAITING_CONV	"XF7" State is waiting on a latch
		1111 1..1		PB_STATE_WAITING_SESS_LOCALMVS	"XF8" State is waiting on a conversation
		1111 1.1.		PB_STATE_WAITING_SESS_SYSPLEX	"XF9" State is waiting to establish a session somewhere in the same MVS image
		1111 1.11		PB_STATE_WAITING_SESS_NETWORK	"XFA" State is waiting to establish a session somewhere in the sysplex
		1111 11..		PB_STATE_WAITING_OTHER_PRODUCT	"XFB" State is waiting to establish a session somewhere in the network
		1111 11.1		PB_STATE_WAITING_MISC	"XFC" State is waiting on another product
		1111 111.		PB_STATE_WAITING_LOCK	"XFD" State is waiting on some unidentified resource, possibly one of the other defined waiting conditions
		1111 1111		PB_STATE_WAITING_IO	"XFE" State is waiting on one or more locks
66	(42)	BITSTRING	1	PB_WORKDEF	"XFF" State is waiting on I/O or some activity associated with an I/O request
		1... ..		PB_INIT	Flags associated with the work request
		.1... ..		PB_FROM_LOCALMVS	"B'10000000" Initialize used for work environment
		..1... ..		PB_FROM_SYSPLEX	"B'01000000" CONTINUATION(YES) FROM(LOCALMVS)
		...1... ..		PB_FROM_NETWORK	"B'00100000" CONTINUATION(YES) FROM(SYSPLEX)
		.... 1...		PB_FROM_NONE	"B'00010000" CONTINUATION(YES) FROM(NONE)
		.... .1..		PB_SCOPE_SHARED	"B'00001000" CONTINUATION(YES) FROM(NONE)
					"B'00000100" Initialize SCOPE(SHARED) work rqst

Comment

EQU B'00000010' RESERVED

End of Comment

67	(43)	BITSTRING	1	PB_RELATE	"B'00000001" Relate used for work environment
		.... ..1		PB_SWITCH_INFO	Switch Continuation Information
		.... ..1		PB_SWITCH_LOCALMVS	"X'01" Switch WHERE(LOCALMVS)
		.... ..1.		PB_SWITCH_SYSPLEX	"X'02" Switch WHERE(SYSPLEX)
		.... ..11		PB_SWITCH_NETWORK	"X'03" Switch WHERE(NETWORK)
68	(44)	BITSTRING	1	PB_MONENV_INFO	Information about the mon. env.
68	(44)	X'CO'	0	PB_DURATION	"PB_DURATION_EXECUTION+PB_DURATION_BEGIN_TO_END" Mask for all duration options.

Comment

WARNING: PB_DURATION must be updated whenever a new duration value is added.

End of Comment

		1... ..		PB_DURATION_BEGIN_TO_END	"B'10000000" DURATION(BEGIN_TO_END)
		.1... ..		PB_DURATION_EXECUTION	"B'01000000" DURATION(EXECUTION)
69	(45)	CHARACTER	3	PB_RSVD0045	Reserved space
72	(48)	BITSTRING	4	PB_PARENT_MONTKN	Token for the parent monitoring environment
		.... ..		PB_PARENT_MONTKN_HIBIT	"X'80000000" Hi order bit of token
74	(4A)	SIGNED	2	PB_PARENT_HOME_ASID	ASID for Parent when parent is an address space
72	(48)	ADDRESS	4	PB_PARENT_MONPTR	Pointer to the parent monitoring environment
76	(4C)	ADDRESS	4	PB_PARENT_MIRROR_PTR	PB Parent mirror token pointer
76	(4C)	BITSTRING	4	PB_PARENT_MIRROR_TKN	Token for parent control information

IWMYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	BITSTRING	4	PB_DEP_MONTKN	Token for the dependent monitoring environment related to this environment
		.... ....		PB_DEP_MONTKN_HIBIT	"X'80000000" Hi Order bit of token
80	(50)	ADDRESS	4	PB_DEP_MONPTR	Pointer to the dependent monitoring environment related to this environment
84	(54)	ADDRESS	4	PB_DEP_MIRROR_PTR	PB Dependent mirror token pointer
84	(54)	BITSTRING	4	PB_DEP_MIRROR_TKN	Token for dependent environment control information
88	(58)	BITSTRING	4	PB_SC_TKN	Service class token for the work request
92	(5C)	BITSTRING	4	PB_ABNORMAL_FLAGS	Abnormal flags
		.... ...1		PB_ABNORMAL_LOCALMVS	"X'00000001" Abnormality only affects current MVS image
		.... ..1.		PB_ABNORMAL_SYSPLEX	"X'00000002" Abnormality affects all MVS images in the sysplex
96	(60)	CHARACTER	52	PB_WORK_ATTRIBUTES	Attributes associated with the work request
96	(60)	CHARACTER	8	PB_USERID	Userid associated with the work request
104	(68)	CHARACTER	8	PB_TRXNAME	Transaction name associated with the work request
112	(70)	CHARACTER	8	PB_TRXCLASS	Transaction class associated with the work request
120	(78)	CHARACTER	8	PB_RSVD0078	Reserved space
128	(80)	CHARACTER	17	PB_SOURCEL	Source LU name associated with the work request
145	(91)	BITSTRING	3	PB_RSVD0091	Reserved space
148	(94)	BITSTRING	1	PB_LU62TKN_FMT	Format of the LU62 token
		.... ...1		PB_LU62FMT_LU_NO_CC_27	"X'01" The LU6.2 token associated with the work request is a fixed length token of 27 bytes with no conversation correlator (not even its length byte). The LU name may be 1-17 bytes. Bytes at the end of the token are padded with hexadecimal zeros, if necessary, to form a full 27 bytes.
		.... ..1.		PB_LU62FMT_FULL_LU_NO_CC_27	"X'02" The LU6.2 token associated with the work request is a fully qualified LU name (17 bytes), but no conversation correlator (not even its length byte) is provided. This format is architected to be 27 bytes long.
		.... ..11		PB_LU62FMT_FULL_LU_0_CC_28	"X'03" The LU6.2 token associated with the work request is a fully qualified LU name (17 bytes), and the conversation correlator length byte is present and has the value 0. This format is architected to be 28 bytes long.
		.... ..1..		PB_LU62FMT_FULL_LU_CC_36	"X'04" The LU6.2 token associated with the work request is a fully qualified LU name (17 bytes), and the conversation correlator is provided with a length of 8 (maximum allowed). This format is architected to be 36 bytes long.
		.... ....		PB_LU62FMT_OTHER	"X'00" The LU6.2 token associated with the work request contains self-defining length fields.
148	(94)	X'24'	0	PB_MAX_LU62TKN_LEN	"36" Maximum length of an LU6.2 token (in decimal).
149	(95)	BITSTRING	1	PB_RSVD0095	Reserved space
150	(96)	SIGNED	2	(0)	PB_AS_ID should be on a hword boundary
150	(96)	BITSTRING	2	PB_AS_ID	Address space id
152	(98)	CHARACTER	36	PB_LU62TKN	LU 6.2 token associated with the work request
188	(BC)	BITSTRING	4	PB_RSVD00BC	Reserved space
192	(C0)	CHARACTER	8	PB_ETOKEN	Enclave token
200	(C8)	CHARACTER	8	PB_BP_RESTKN	Buffer Pool resource token associated with the work request
208	(D0)	CHARACTER	8	PB_CF_RESTKN	Coupling Facility Structure resource token associated with the work request
216	(D8)	CHARACTER	32	PB_TRANS_TTKEN	Transaction Trace Token
248	(F8)	CHARACTER	8	PB_FROM_SUBSYSNM	Subsystem name from where the request came in

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Any fields added prior to PB_CLEAR_LEN (and after PB_CLEAR_FLD) will be cleared by Initialize/Relate, while fields added after PB_CLEAR_LEN will NOT be cleared. If you are changing the length of PB_CLEAR, then read the Notes section in the prolog. @PWA0230					
PB_CLEAR_LEN EQU -PB_CLEAR_FLD - Length of section cleared					
ORG PB_CLEAR_FLD					
PB_CLEAR DS CL(PB_CLEAR_LEN) Area to be cleared for reuse					
PB Data Extension for EWLM (another 216 Bytes)					
This section is not eligible for sampling in IRASASRV					
End of Comment					
256	(100)	CHARACTER	256	PB_EWLM_DATA	
256	(100)	CHARACTER	64	PB_EWLM_PARENTCORRELATOR	
320	(140)	CHARACTER	64	PB_EWLM_CURRENTCORRELATOR	
384	(180)	CHARACTER	16	PB_EWLM_BLOCK_QUADWORD	
				(0)	
384	(180)	CHARACTER	8	PB_EWLM_LASTBLOCKTimestart	4 words on QuadWord boundary updated using CDSG
					Time in STCK format when the PB was started to be blocked due to the invocation of IWMMSWCH or IWMMXFER FUNCTION=CONTINUE
392	(188)	CHARACTER	7	PB_EWLM_TOTALBLOCKTIME	
					Accumulated total block time for this PB. Value is expressed in MicroSeconds, and should be treated as an unsigned number of 7 Bytes
399	(18F)	BITSTRING	1	PB_EWLM_BLOCKCOUNT	
					Number of times this PB (work request) is blocked. Incremented for each block, decremented upon each unblocking operation
400	(190)	CHARACTER	8	PB_EWLM_XFER_START_TIME	
408	(198)	SIGNED	4	PB_EWLM_WORKREQ_STA	
412	(19C)	ADDRESS	1	PB_EWLM_REQUEST	
412	(19C)	X'1'	0	PB_EWLM_REQUEST_XFER_CONTINUE_NOSWITCH	"1"
412	(19C)	X'2'	0	PB_EWLM_REQUEST_XFER_CONTINUE_SECONDARY	"2"
412	(19C)	X'3'	0	PB_EWLM_REQUEST_XFER_RETURN_NOSWITCH	"3"
412	(19C)	X'4'	0	PB_EWLM_REQUEST_XFER_RETURN_SECONDARY	"4"
412	(19C)	X'B'	0	PB_EWLM_REQUEST_RELA_CREATE_NOSWITCH	"11"
412	(19C)	X'C'	0	PB_EWLM_REQUEST_RELA_CREATE_SECONDARY	"12"
412	(19C)	X'D'	0	PB_EWLM_REQUEST_RELA_CREATE_HOME	"13"
412	(19C)	X'E'	0	PB_EWLM_REQUEST_RELA_DELETE	"14"
412	(19C)	X'15'	0	PB_EWLM_REQUEST_INIT_RESET_PACORR	"21"
412	(19C)	X'16'	0	PB_EWLM_REQUEST_INIT_RESET_PACTKN	"22"
412	(19C)	X'1F'	0	PB_EWLM_REQUEST_SWITCH_CONTINUE	"31"
412	(19C)	X'20'	0	PB_EWLM_REQUEST_SWITCH_RETURN	"32"
412	(19C)	X'29'	0	PB_EWLM_REQUEST_IWM4MSTR	"41"
412	(19C)	X'33'	0	PB_EWLM_REQUEST_IWM4MUPD	"51"
412	(19C)	X'3D'	0	PB_EWLM_REQUEST_IWM4MSTO	"61"
412	(19C)	X'47'	0	PB_EWLM_REQUEST_IWM4MCHS_UNBLOCK	"71"
412	(19C)	X'48'	0	PB_EWLM_REQUEST_IWM4MCHS_BLOCK	"72"
412	(19C)	X'49'	0	PB_EWLM_REQUEST_IWM4MCHS_BLOCK_ASYNC	"73"
412	(19C)	X'29'	0	PB_EWLM_REQUEST_IWMMSTR	"PB_EWLM_REQUEST_IWM4MSTR"
412	(19C)	X'33'	0	PB_EWLM_REQUEST_IWMMUPD	"PB_EWLM_REQUEST_IWM4MUPD"
412	(19C)	X'3D'	0	PB_EWLM_REQUEST_IWMMSTOP	"PB_EWLM_REQUEST_IWM4MSTO"

IWMYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
413	(19D)	CHARACTER	3	PB_RSVD019D	
416	(1A0)	CHARACTER	8	PB_EWLM_CUM_RESPTIME	
424	(1A8)	CHARACTER	8	PB_EWLM_CUM_QUEUEUTIME	
432	(1B0)	ADDRESS	4	PB_EWLM_PARMLIST	
436	(1B4)	CHARACTER	4	PB_RSVD01B4	
440	(1B8)	CHARACTER	20	PB_EWLM_MQ_P_CORR	
					topology of parent correlator
440	(1B8)	CHARACTER	8	PB_EWLM_MQ_P_APPLENV_ID	
448	(1C0)	CHARACTER	8	PB_EWLM_MQ_P_APPLINST_ID	
456	(1C8)	BITSTRING	2	PB_EWLM_MQ_P_PARENT_SYS_ID	
458	(1CA)	BITSTRING	2		reserved
460	(1CC)	CHARACTER	4	PB_RSVD01CC	
464	(1D0)	CHARACTER	8	PB_RSVD01D4	
472	(1D8)	BITSTRING	1	PB_EWLM_DATA_END	
				(0)	

Comment

PB Extension for 64-Bit Support (40 Bytes)
This section is eligible for sampling in IRASASRV

End of Comment

472	(1D8)	CHARACTER	40	PBX	
472	(1D8)	BITSTRING	8	PBX_DEP_MONTKN	
472	(1D8)	ADDRESS	8	PBX_DEP_MONPTR	
480	(1E0)	BITSTRING	8	PBX_PARENT_MONTKN	
480	(1E0)	ADDRESS	8	PBX_PARENT_MONPTR	
488	(1E8)	BITSTRING	8	PBX_MIRROR_TKN	
488	(1E8)	ADDRESS	8	PBX_MIRROR_PTR	
496	(1F0)	BITSTRING	8	PBX_PARENT_MIRROR_TKN	
496	(1F0)	ADDRESS	8	PBX_PARENT_MIRROR_PTR	
504	(1F8)	BITSTRING	8	PBX_DEP_MIRROR_TKN	
504	(1F8)	ADDRESS	8	PBX_DEP_MIRROR_PTR	
512	(200)	BITSTRING	1	PBX_END (0)	

Comment

This section is not eligible for sampling in IRASASRV

End of Comment

512	(200)	CHARACTER	256	PB_EWLM_MQ_PROCESSING_AREA	
512	(200)	CHARACTER	8	PB_EWLM_MQ_ARRIVALTIME	
520	(208)	CHARACTER	8	PB_EWLM_MQ_STARTTIME	
528	(210)	CHARACTER	64	PB_EWLM_MQ_CURRCORR	
592	(250)	CHARACTER	64	PB_EWLM_MQ_PARCORR	
656	(290)	CHARACTER	16	PB_EWLM_MQ_BLOCK_QUADWORD	
672	(2A0)	SIGNED	4	PB_EWLM_MQ_MSGS_SENT	
676	(2A4)	SIGNED	4	PB_EWLM_MQ_MSGS_RECEIVED	
680	(2A8)	SIGNED	4	PB_EWLM_MQ_ASYNC_BLOCKED	
684	(2AC)	SIGNED	4	PB_EWLM_MQ_TOTAL_BLOCKED	
688	(2B0)	SIGNED	4	PB_EWLM_MQ_FLAGS	
692	(2B4)	SIGNED	4	PB_EWLM_MQ_CORR_RECEIVED	
696	(2B8)	CHARACTER	72	PB_EWLM_MQ_C	
768	(300)	BITSTRING	1	PB_EWLM_MQ_PROCESSING_END	
				(0)	

Comment

PB Extension Workarea for EWLM (another 384 Bytes)
This section is not eligible for sampling in IRASASRV

End of Comment

768	(300)	CHARACTER	384	PB_EWLM_WORK	
1152	(480)	BITSTRING	1	PB_EWLM_WORK_END	
				(0)	

IWMYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IWMCLSFY_BINARY_NOT_SPECIFIED	0	0	IWMRSNCODEBADBPMINMAXSIZE	0	898
IWMEWLMARMSTATUSABORTED	0	1	IWMRSNCODEBADBUFSIZE	0	8A1
IWMEWLMARMSTATUSFAILED	0	2	IWMRSNCODEBADCLSFY	0	436
IWMEWLMARMSTATUSGOOD	0	0	IWMRSNCODEBADCONN	0	C0D
IWMEWLMARMSTATUSNONE	0	FFFFFF	IWMRSNCODEBADDELTA	0	821
IWMEWLMARMSTATUSUNKNOWN	0	3	IWMRSNCODEBADENCLAVE	0	81D
IWMMABNL_SCOPE_LOCALMVS	0	1	IWMRSNCODEBADENTITYID	0	83A
IWMMABNL_SCOPE_SYSPLEX	0	2	IWMRSNCODEBADENTITYTYPE	0	88A
IWMRETCODECOMPERROR	0	10	IWMRSNCODEBADENTRYVERSION	0	887
IWMRETCODEENVERROR	0	C	IWMRSNCODEBADEXPORTTOKEN	0	434
IWMRETCODEINVOCERROR	0	8	IWMRSNCODEBADHEALTH	0	870
IWMRETCODEOK	0	0	IWMRSNCODEBADICSALET	0	8A2
IWMRETCODEWARNING	0	4	IWMRSNCODEBADL62TKNLEN	0	835
IWMRSNCODE_HIMASK_CONST	0	FF0000	IWMRSNCODEBADMONENV	0	81E
IWMRSNCODE_MASK_CONST	0	FFFF	IWMRSNCODEBADMONTKN_LISTLEN	0	820
IWMRSNCODEACTIVEAWDELETED	0	44C	IWMRSNCODEBADNUMAESRVMAX	0	844
IWMRSNCODEACTIVESERVERS	0	431	IWMRSNCODEBADNUMBERASCB	0	87D
IWMRSNCODEACTIVEWDELETED	0	44A	IWMRSNCODEBADNUMEUMAX	0	82C
IWMRSNCODEALETERROR	0	C42	IWMRSNCODEBADNUMEUMIN	0	855
IWMRSNCODEALREADYACTIVE	0	8AD	IWMRSNCODEBADNUMLIMITMAX	0	856
IWMRSNCODEALREADYINENCLAVE	0	857	IWMRSNCODEBADNUMLIMITMIN	0	878
IWMRSNCODEAMODE24	0	824	IWMRSNCODEBADNUMSYS	0	879
IWMRSNCODEAPPLENVE EXISTS	0	890	IWMRSNCODEBADNUMSYS	0	85E
IWMRSNCODEAPPLENVNOTFOUND	0	891	IWMRSNCODEBADOPTIONS	0	829
IWMRSNCODEAPPLENVQUIESCED	0	C22	IWMRSNCODEBADPARENTV	0	822
IWMRSNCODEAPPLENVSTOPPED	0	C25	IWMRSNCODEBADPERFORMANCEGROUP	0	C2D
IWMRSNCODEAPPLNOTDEFINED	0	C1A	IWMRSNCODEBADPL	0	80B
IWMRSNCODEAPPLNOTSSN	0	88F	IWMRSNCODEBADREGTOKEN	0	880
IWMRSNCODEAPPLNOTSST	0	C1B	IWMRSNCODEBADREQUESTCODE	0	886
IWMRSNCODEARRTIMEGTENDTIME	0	80E	IWMRSNCODEBADREQUESTLIST	0	888
IWMRSNCODEARRTIMEGTSTARTTIME	0	445	IWMRSNCODEBADREQUESTLISTENTRY	0	8A6
IWMRSNCODEASCMDENOTPRIMARY	0	825	IWMRSNCODEBADREQUESTLISTLENGTH	0	88D
IWMRSNCODEAWDELETED	0	44B	IWMRSNCODEBADREQUESTLISTVERSION	0	88C
IWMRSNCODEBAD#INSTANCES	0	82B	IWMRSNCODEBADRESOURCE	0	8A7
IWMRSNCODEBADALET	0	830	IWMRSNCODEBADRESOURCELEN	0	889
IWMRSNCODEBADASCB	0	812	IWMRSNCODEBADRESTKN	0	41D
IWMRSNCODEBADBLOCKHANDLE			IWMRSNCODEBADSERVCLS		

IWMYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IWMRSNCODEBADSERVDE	0	80D	IWMRSNCODEDATAAREATOOSMALL	0	43E
IWMRSNCODEBADSERVDI	0	417	IWMRSNCODEDATOFF	0	8A9
IWMRSNCODEBADSERVICECLASS	0	83D	IWMRSNCODEDCMNOTINITIALIZED	0	823
IWMRSNCODEBADSTOKEN	0	C28	IWMRSNCODEDEADLOCK	0	877
IWMRSNCODEBADSYSTEML	0	807	IWMRSNCODEDEADLOCK	0	8AF
IWMRSNCODEBADTCB	0	85F	IWMRSNCODEDEFAULTPOLICY	0	423
IWMRSNCODEBADVERSION	0	88B	IWMRSNCODEDEPCLASSIFYFAIL	0	C20
IWMRSNCODEBADWORKREQHANDLE	0	828	IWMRSNCODEDEPCONTEXTISTS	0	816
IWMRSNCODEBADWORKUNITTOKEN	0	896	IWMRSNCODEDEPENDENTENCLAVE	0	885
IWMRSNCODEBEGINENVOUTSTANDING	0	848	IWMRSNCODEDIDNOTEXPORTORIMPORT	0	871
IWMRSNCODEBOTHENVSAMETCB	0	850	IWMRSNCODEDISABLED	0	803
IWMRSNCODEBPPARENV	0	818	IWMRSNCODEDUPAENAMEINSERT	0	89C
IWMRSNCODECALLERNOTAUTHDEPENV	0	8A4	IWMRSNCODEDUPCONTENTION	0	8A8
IWMRSNCODECALLERNOTAUTHPARENV	0	81A	IWMRSNCODEDUPLICATECNTLREG	0	866
IWMRSNCODECANNOTACCESSPOLICY	0	81B	IWMRSNCODEDUPLICATEJOBS	0	C30
IWMRSNCODECDEINVALID	0	C2C	IWMRSNCODEDUPLICATEQUEUE	0	C2A
IWMRSNCODECDETABLEINVALID	0	F02	IWMRSNCODEDUPLICATEREQUEST	0	89B
IWMRSNCODECDEXINVALID	0	F06	IWMRSNCODEENCLALREADYEXPORTED	0	433
IWMRSNCODECDSNOTAVAIL	0	F07	IWMRSNCODEENCLACTIVE	0	411
IWMRSNCODECDSTOOSMALL	0	C0F	IWMRSNCODEENCLAVEDEFEX	0	884
IWMRSNCODECLASSIFYFAIL	0	C10	IWMRSNCODEENCLAVEPREVIOUSLYDELETED	0	881
IWMRSNCODECLSIFYAREATOOBIG	0	C0C	IWMRSNCODEENCLAVESUBTASKEXISTS	0	859
IWMRSNCODECLSFYPLTOOSMALL	0	838	IWMRSNCODEENDOFBUFFER	0	F0A
IWMRSNCODECNTLREGALREADYREG	0	839	IWMRSNCODEENTRYNOTPROCESSED	0	C3D
IWMRSNCODECNTLREGNOTREG	0	867	IWMRSNCODEETOKENNOMATCH	0	42C
IWMRSNCODECOLLSUSPENDED	0	430	IWMRSNCODEEUTFRR	0	810
IWMRSNCODECOMPATMODE	0	831	IWMRSNCODEEWLMCORRNOTALLOWED	0	892
IWMRSNCODECOMPATNOSYSEVENTRQD	0	412	IWMRSNCODEEWLMSERVNOTENABLED	0	895
IWMRSNCODECONFIGFAILED	0	404	IWMRSNCODEEEXECENVCHANGED	0	41F
IWMRSNCODECONNECTEXISTS	0	C3C	IWMRSNCODEEEXECTOKENNOTCORRECT	0	852
IWMRSNCODECONTEXTISTS	0	82E	IWMRSNCODEEEXSTTIMEGTENDTIME	0	82D
IWMRSNCODECONTINUERIP	0	81C	IWMRSNCODEFOREIGNENCLAVE	0	872
IWMRSNCODECORRCONFLICT	0	42D	IWMRSNCODEFSVREQINCOMPAT	0	C27
IWMRSNCODECORRELATORUNKNOWN	0	8AE	IWMRSNCODEGENRESLISTISFULL	0	C44
IWMRSNCODECORRFROMOTHERDOMAIN	0	442	IWMRSNCODEGOALNOMONENV	0	405
IWMRSNCODECPEINVALID	0	446	IWMRSNCODEGROUPNOTREG	0	86A
IWMRSNCODECPUDATAONLY	0	F08	IWMRSNCODEHIGHERVERSIONLEVEL	0	C1E
			IWMRSNCODEHOMENOTOWNCONN		

Name	Hex Offset	Hex Value
IWMRSNCODEICSAREATOOSMALL	0	83B
IWMRSNCODEICSDEFAULT	0	40E
IWMRSNCODEIDSNDONTMATCH	0	40D
IWMRSNCODEINCOMPLETEOUTPUTDATA	0	413
IWMRSNCODEINDLOCALSYSTEM	0	438
IWMRSNCODEINSUFACCESS	0	C23
IWMRSNCODEINVALIDEWLMCORR	0	C0E
IWMRSNCODEINVALIDDRTOKEN	0	894
IWMRSNCODEINVALIDSHUTDOWN	0	8AB
IWMRSNCODEINVALIDSUBSYSTEM	0	86F
IWMRSNCODEINVALIDSWITCHTOKEN	0	C3A
IWMRSNCODEISQUIESCED	0	437
IWMRSNCODEISRESET	0	43B
IWMRSNCODELDEINVALID	0	43C
IWMRSNCODELEVELMISMATCH	0	F01
IWMRSNCODELOCKED	0	83E
IWMRSNCODEMAXCNTLREGEXCEED	0	804
IWMRSNCODEMAXENCLAVE	0	868
IWMRSNCODEMISSINGEWLMCORR	0	836
IWMRSNCODEMONENVASSOCIATE	0	893
IWMRSNCODEMONENVDEPCONT	0	883
IWMRSNCODEMONENVLACKSDATA	0	808
IWMRSNCODEMONENVLACKSINFO	0	80C
IWMRSNCODEMONENVNOTALLOC	0	40C
IWMRSNCODEMONENVNOTHOME	0	403
IWMRSNCODEMONENVPARENT	0	85D
IWMRSNCODEMONENVRELATED	0	806
IWMRSNCODEMONENVSWITCHCONT	0	82A
IWMRSNCODEMORETHANONESTART	0	805
IWMRSNCODENEWSERVCLS	0	89F
IWMRSNCODENOAFFINITYFOUND	0	44E
IWMRSNCODENOARRTIME	0	439
IWMRSNCODENOCACHEENTRY	0	C07
IWMRSNCODENOCNTLREG	0	435
IWMRSNCODENOCOCONN	0	86B
IWMRSNCODENOCOCONTENTION	0	409
IWMRSNCODENOCPUONLINE	0	8A5

Name	Hex Offset	Hex Value
IWMRSNCODENOCRGROUPS	0	876
IWMRSNCODENOCRROUTETABLE	0	86D
IWMRSNCODENODATA	0	86C
IWMRSNCODENOENDTIME	0	42B
IWMRSNCODENOEXECENV	0	C06
IWMRSNCODENOEXTIME	0	863
IWMRSNCODENOFREEENTRIES	0	C08
IWMRSNCODENOIWMPMSCRSUBRECORD	0	C43
IWMRSNCODENOIWMSVAEASUBRECORD	0	41E
IWMRSNCODENOIWMSVSEASUBRECORD	0	41E
IWMRSNCODENOMONENV	0	422
IWMRSNCODENOMONENVERR	0	402
IWMRSNCODENOPAREN	0	C21
IWMRSNCODENOPOLMGT	0	406
IWMRSNCODENOPRIORSELECT	0	41A
IWMRSNCODENOPROJECTION	0	862
IWMRSNCODENOQSERVER	0	43F
IWMRSNCODENORELATE	0	87A
IWMRSNCODENORESMGR	0	81F
IWMRSNCODENOSAFCHECKPOSSIBLE	0	C09
IWMRSNCODENOSCHENV	0	C40
IWMRSNCODENOSCHENVDEFINED	0	425
IWMRSNCODENOSELECTION	0	428
IWMRSNCODENOSERVDAREA	0	C34
IWMRSNCODENOSERVEREXISTS	0	85B
IWMRSNCODENOSERVERSREGISTERED	0	8AA
IWMRSNCODENOSTG	0	40B
IWMRSNCODENOSYSTEML	0	C01
IWMRSNCODENOTALLSERVERSPRESENT	0	860
IWMRSNCODENOTAUTHCONNECT	0	440
IWMRSNCODENOTCNTLREG	0	84D
IWMRSNCODENOTCONFIGURED	0	86E
IWMRSNCODENOTEJOINEDTCB	0	43D
IWMRSNCODENOTELIGIBLEFORSRVCLASS	0	858
IWMRSNCODENOTENCLAVE	0	C32
IWMRSNCODENOTEXPLICITSSINGLE	0	41C
IWMRSNCODENOTINCOMPATMODE	0	8A0

IWMYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IWMRSNCODENOTSECAUTHCONNECT	0	833	IWMRSNCODESAFCHECKFAILED	0	827
IWMRSNCODENOTSECAUTHSERVREG	0	C19	IWMRSNCODESCHENVNOSYSTEM	0	C41
IWMRSNCODENOUSERKEYNTFY	0	C35	IWMRSNCODESCHENVNOTAVAILABLE	0	42A
IWMRSNCODENOUSERKEYREG	0	80F	IWMRSNCODESCHENVNOTFOUND	0	427
IWMRSNCODENOUSERKEYRPT	0	846	IWMRSNCODESDEINVALID	0	426
IWMRSNCODENOWLM	0	811	IWMRSNCODESECVCREATEFAILED	0	F04
IWMRSNCODENOWLMCONNECT	0	401	IWMRSNCODESECVDELETEFAILED	0	C17
IWMRSNCODENOWORKSHUTDOWN	0	842	IWMRSNCODESECVOUTSTANDING	0	C18
IWMRSNCODENTFYNOWORKELT	0	C14	IWMRSNCODESECVOUTSTANDING	0	851
IWMRSNCODENULLCDS	0	C04	IWMRSNCODESECONDARYWORKDELETED	0	42F
IWMRSNCODEOCTALREADYDEFINED	0	414	IWMRSNCODESECONDARYWORKEXISTS	0	864
IWMRSNCODEONESYSTEMUNABLE	0	8A3	IWMRSNCODESELECTEDWORKACTIVE	0	85A
IWMRSNCODEOTHERSPACECONNECTED	0	C11	IWMRSNCODESELECTINPROGRESS	0	843
IWMRSNCODEOTHERSUBSYSREGQUEUE	0	847	IWMRSNCODESERVERALREADYREG	0	419
IWMRSNCODEOUTPUTAREATOOSMALL	0	C33	IWMRSNCODESERVEREXISTS	0	C1F
IWMRSNCODEPARENWORKRQSTABSENT	0	40A	IWMRSNCODESERVERNOTFOUND	0	42E
IWMRSNCODEPARSERERR	0	817	IWMRSNCODESERVERNOTREGISTERED	0	418
IWMRSNCODEPOLICYACTINPROGRESS	0	8B2	IWMRSNCODESERVERNOTSTARTED	0	C1C
IWMRSNCODEPOLICYNOTAVAIL	0	415	IWMRSNCODESERVERUNAVAIL	0	C16
IWMRSNCODEPOLICYUNDEFINED	0	C13	IWMRSNCODESERVICEAMODEMISMATCH	0	89E
IWMRSNCODEPOSSIBLEDEADLOCK	0	416	IWMRSNCODESERVICENOTENABLED	0	840
IWMRSNCODEPRIMARYNOTOWNCONN	0	448	IWMRSNCODESRBMODE	0	801
IWMRSNCODEPROCNAMEBLANK	0	83F	IWMRSNCODESRBUSERKEYTKN	0	809
IWMRSNCODEQMGRNOTACTIVE	0	C24	IWMRSNCODESTATECHANGED	0	C0B
IWMRSNCODEQUEUEENOTDEFINED	0	C1D	IWMRSNCODESTATEINVDATARET	0	40F
IWMRSNCODEREGIONNOTFOUND	0	861	IWMRSNCODESTATEINVNODATARET	0	832
IWMRSNCODEREPORTINGSUSP	0	43A	IWMRSNCODESTOPTASK	0	C3B
IWMRSNCODEREQUESTLISTENTRYWARNING	0	C02	IWMRSNCODESTRUCTUREFULL	0	C37
IWMRSNCODERESOURCENOTFOUND	0	447	IWMRSNCODESTRUCTUREUNAVAILABLE	0	C36
IWMRSNCODERETURNCONT	0	429	IWMRSNCODESUBSYSEWLMNOTALLOWED	0	8B0
IWMRSNCODEROMONENV	0	407	IWMRSNCODESUSPENDED	0	C0A
IWMRSNCODEROPARENV	0	87E	IWMRSNCODESVDEFIDWRONG	0	C29
IWMRSNCODEROUTERNOTACTIVE	0	87F	IWMRSNCODESXDEINVALID	0	F05
IWMRSNCODEROUTINGTABLEEXISTS	0	C26	IWMRSNCODESYSEVENTNOWORKELT	0	C03
IWMRSNCODEROUTINGTABLENOTFOUND	0	865	IWMRSNCODESYSINFOINCOMPLETE	0	420
IWMRSNCODERPTNOWORKELT	0	899	IWMRSNCODESYSTEMIGNORED	0	424
IWMRSNCODERSVDNOT0	0	C05	IWMRSNCODESYSTEMSPACE	0	C2F
			IWMRSNCODESYSTYPENOTREG		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IWMRSNCODETASKTERM	0	869	IWMRSNCODEWRONGAUTHORIZATION	0	C31
IWMRSNCODETCBALREADYASSOC	0	826	IWMRSNCODEWRONGENCLAVE	0	8B6
IWMRSNCODETCBNOTOWNERUSERKEYTKN	0	819	IWMRSNCODEWRONGEXECUTOKEN	0	845
IWMRSNCODETKNINDMSMCH	0	80A	IWMRSNCODEWRONGHOME	0	84F
IWMRSNCODETKNNOMATCH	0	875	IWMRSNCODEWRONGMNGTSK	0	82F
IWMRSNCODETOKENNOTCURRENT	0	410	IWMRSNCODEWRONGMODE	0	874
IWMRSNCODETOOMANYMSGCORRS	0	C2B	IWMRSNCODEWRONGNUMEU	0	C2E
IWMRSNCODETOOMANYMSGRECEIVED	0	441	IWMRSNCODEWRONGSRVLMT	0	85C
IWMRSNCODETOOMANYMSGSENT	0	444	IWMRSNCODEWRONGSYSLEVELS	0	873
IWMRSNCODETOOMANYREGISTRATIONS	0	443	IWMRSNCODEWRONGTASK	0	89D
IWMRSNCODETOOMANYSELECT	0	882	IWMRSNCODEX	0	89A
IWMRSNCODETOOMANYSWITCHES	0	854	IWMRSNCODEXDEINVALID	0	8B4
IWMRSNCODETOOMANYSYSTEMS	0	C3E	IWMRSNCODEXMEMMODE	0	F03
IWMRSNCODETOOMANYTEMPAFF	0	C39	IWMRSNCODEXMEMUSERKEYTKN	0	841
IWMRSNCODETRANNOTSTARTED	0	8B1	IWMRSNCODEXMLINVALID	0	802
IWMRSNCODETRANSTATUSINVALID	0	8AC	IWMRSNCODEXMLZEROLEN	0	8B5
IWMRSNCODEUNABLETORETRIEVETMP	0	897	IWMRSNCODEXMLSONOSUBTASKS	0	8B3
IWMRSNCODEUNEXPECTEDCALL	0	C3F	IWMRSNCODEZEROANSAREA	0	44D
IWMRSNCODEUNKNOWNEXPORTTOKEN	0	87B	IWMRSNMISSINGACRO	0	85B
IWMRSNCODEUNKNOWNLVL	0	432	IWMRSNNOGOALMODESYSTEMS	0	83C
IWMRSNCODEUNKNOWNQUEUE	0	F09	PB	0	C12
IWMRSNCODEUPLEVELOBJECT	0	421	PB_ABNORMAL_FLAGS	5C	
IWMRSNCODEUSERKEYCONNTKN	0	C38	PB_ABNORMAL_LOCALMVS	5C	1
IWMRSNCODEUSERKEYNOMONTKN	0	837	PB_ABNORMAL_SYSPLEX	5C	2
IWMRSNCODEUSERKEYWRONGPRIM	0	813	PB_ARRTIME	28	
IWMRSNCODEUSERKEYWRONGSERVER	0	814	PB_AS_ID	96	
IWMRSNCODEWDELETED	0	815	PB_ASSOCIATE	5	40
IWMRSNCODEWLMQMBADTYPE	0	449	PB_BP_RESTKN	C8	
IWMRSNCODEWLMSERVBADAPPL	0	853	PB_BPMGMT_ONLY	5	4
IWMRSNCODEWLMSERVBADSSN	0	849	PB_CF_RESTKN	D0	
IWMRSNCODEWLMSERVBADSSND	0	84A	PB_CLEAR_FLD	20	
IWMRSNCODEWLMSERVBADSSST	0	88E	PB_CREATE	0	
IWMRSNCODEWLMSERVBADTYPE	0	84B	PB_CURRENT_VERSION	4	8
IWMRSNCODEWORKDEPENCLAVE	0	84E	PB_DEP_MIRROR_PTR	54	
IWMRSNCODEWORKNOTFOUND	0	408	PB_DEP_MIRROR_TKN	54	
IWMRSNCODEWRONGAELIMITS	0	87C	PB_DEP_MONPTR	50	
IWMRSNCODEWRONGASID	0	87C	PB_DEP_MONTKN	50	
			PB_DEP_MONTKN_HIBIT	50	0
			PB_DU	3C	
			PB_DU_ASCB	38	
			PB_DU_SRB	3C	1
			PB_DURATION	44	C0
			PB_DURATION_BEGIN_TO_END	44	80

IWMYCON Cross Reference

Name	Hex Offset	Hex Value
PB_DURATION_EXECUTION		
	44	40
PB_ETOKEN	C0	
PB_EWLM_BLOCK_QUADWORD		
	180	
PB_EWLM_BLOCKCOUNT		
	18F	
PB_EWLM_CUM_QUEUEUTIME		
	1A8	
PB_EWLM_CUM_RESPTIME		
	1A0	
PB_EWLM_CURRENTCORRELATOR		
	140	
PB_EWLM_DATA	100	
PB_EWLM_DATA_END		
	1D8	
PB_EWLM_ENABLED		
	5	20
PB_EWLM_EWLM_YES		
	5	8
PB_EWLM_LASTBLOCKTimestart		
	180	
PB_EWLM_MQ_ARRIVALTIME		
	200	
PB_EWLM_MQ_ASYNC_BLOCKED		
	2A8	
PB_EWLM_MQ_BLOCK_QUADWORD		
	290	
PB_EWLM_MQ_C	2B8	
PB_EWLM_MQ_CORR_RECEIVED		
	2B4	
PB_EWLM_MQ_CURRCORR		
	210	
PB_EWLM_MQ_FLAGS		
	2B0	
PB_EWLM_MQ_MSGS_RECEIVED		
	2A4	
PB_EWLM_MQ_MSGS_SENT		
	2A0	
PB_EWLM_MQ_P_APPLENV_ID		
	1B8	
PB_EWLM_MQ_P_APPLINST_ID		
	1C0	
PB_EWLM_MQ_P_CORR		
	1B8	
PB_EWLM_MQ_P_PARENT_SYS_ID		
	1C8	
PB_EWLM_MQ_PARCORR		
	250	
PB_EWLM_MQ_PROCESSING_AREA		
	200	
PB_EWLM_MQ_PROCESSING_END		
	300	
PB_EWLM_MQ_STARTTIME		
	208	
PB_EWLM_MQ_TOTAL_BLOCKED		
	2AC	
PB_EWLM_PARENT_ENABLED		
	5	10
PB_EWLM_PARENTCORRELATOR		
	100	
PB_EWLM_PARMLIST		
	1B0	
PB_EWLM_REQUEST		
	19C	
PB_EWLM_REQUEST_INIT_RESET_PACORR		
	19C	15
PB_EWLM_REQUEST_INIT_RESET_PACTKN		
	19C	16
PB_EWLM_REQUEST_IWMMSTOP		
	19C	3D
PB_EWLM_REQUEST_IWMMSTRT		
	19C	29
PB_EWLM_REQUEST_IWMMUPD		

Name	Hex Offset	Hex Value
	19C	33
PB_EWLM_REQUEST_IWM4MCHS_BLOCK		
	19C	48
PB_EWLM_REQUEST_IWM4MCHS_BLOCK_ASYNC		
	19C	49
PB_EWLM_REQUEST_IWM4MCHS_UNBLOCK		
	19C	47
PB_EWLM_REQUEST_IWM4MSTO		
	19C	3D
PB_EWLM_REQUEST_IWM4MSTR		
	19C	29
PB_EWLM_REQUEST_IWM4MUPD		
	19C	33
PB_EWLM_REQUEST_RELA_CREATE_HOME		
	19C	D
PB_EWLM_REQUEST_RELA_CREATE_NOSWITCH		
	19C	B
PB_EWLM_REQUEST_RELA_CREATE_SECONDARY		
	19C	C
PB_EWLM_REQUEST_RELA_DELETE		
	19C	E
PB_EWLM_REQUEST_SWITCH_CONTINUE		
	19C	1F
PB_EWLM_REQUEST_SWITCH_RETURN		
	19C	20
PB_EWLM_REQUEST_XFER_CONTINUE_NOSWITCH		
	19C	1
PB_EWLM_REQUEST_XFER_CONTINUE_SECONDARY		
	19C	2
PB_EWLM_REQUEST_XFER_RETURN_NOSWITCH		
	19C	3
PB_EWLM_REQUEST_XFER_RETURN_SECONDARY		
	19C	4
PB_EWLM_TOTALBLOCKTIME		
		188
PB_EWLM_WORK		
		300
PB_EWLM_WORK_END		
		480
PB_EWLM_WORKREQ_STA		
		198
PB_EWLM_XFER_START_TIME		
		190
PB_EXSTARTTIME		
		30
PB_FLAGS		
		5
PB_FLAGS_MASK		
		5
		C0
PB_FROM_LOCALMVS		
		42
		40
PB_FROM_NETWORK		
		42
		10
PB_FROM_NONE		
		42
		8
PB_FROM_SUBSYSNM		
		F8
PB_FROM_SYSPLEX		
		42
		20
PB_ID		
		0
PB_ID_CONST		
		0
		C24040
PB_ID_VERSION		
		0
PB_INIT		
		42
		80
PB_LU62FMT_FULL_LU_CC_36		
		94
		4
PB_LU62FMT_FULL_LU_NO_CC_27		
		94
		2
PB_LU62FMT_FULL_LU_0_CC_28		
		94
		3
PB_LU62FMT_LU_NO_CC_27		
		94
		1
PB_LU62FMT_OTHER		
		94
		0
PB_LU62TKN		
		98
PB_LU62TKN_FMT		
		94

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PB_MAX_LU62TKN_LEN	94	24	PB_STATE_WAITING_LATCH	41	F7
PB_MIRROR_PTR	14		PB_STATE_WAITING_LOCK	41	FE
PB_MIRROR_TKN	14		PB_STATE_WAITING_MISC	41	FD
PB_MONENV_INFO	44		PB_STATE_WAITING_OTHER_PRODUCT	41	FC
PB_NEW_LENGTH	6		PB_STATE_WAITING_REG_THREAD	41	E2
PB_OWNER_DATA	20		PB_STATE_WAITING_REG_TO_WRKTB	41	E3
PB_OWNER_TKN	24		PB_STATE_WAITING_SESS_LOCALMVS	41	F9
PB_PARENT_HOME_ASID	4A		PB_STATE_WAITING_SESS_NETWORK	41	FB
PB_PARENT_MIRROR_PTR	4C		PB_STATE_WAITING_SESS_SYSPLEX	41	FA
PB_PARENT_MIRROR_TKN	4C		PB_STATE_WAITING_SSL_THREAD	41	E1
PB_PARENT_MONPTR	48		PB_STATE_WAITING_TIMER	41	F6
PB_PARENT_MONTKN	48		PB_STATE_WAITING_TYPE1	41	D1
PB_PARENT_MONTKN_HIBIT	48	0	PB_STATE_WAITING_TYPE10	41	DA
PB_RELATE	42	1	PB_STATE_WAITING_TYPE11	41	DB
PB_REPORT_ONLY	5	80	PB_STATE_WAITING_TYPE12	41	DC
PB_RSVD00BC	BC		PB_STATE_WAITING_TYPE13	41	DD
PB_RSVD0018	18		PB_STATE_WAITING_TYPE14	41	DE
PB_RSVD0040	40		PB_STATE_WAITING_TYPE15	41	DF
PB_RSVD0045	45		PB_STATE_WAITING_TYPE2	41	D2
PB_RSVD0078	78		PB_STATE_WAITING_TYPE3	41	D3
PB_RSVD0091	91		PB_STATE_WAITING_TYPE4	41	D4
PB_RSVD0095	95		PB_STATE_WAITING_TYPE5	41	D5
PB_RSVD01B4	1B4		PB_STATE_WAITING_TYPE6	41	D6
PB_RSVD01CC	1CC		PB_STATE_WAITING_TYPE7	41	D7
PB_RSVD01D4	1D0		PB_STATE_WAITING_TYPE8	41	D8
PB_RSVD019D	19D		PB_STATE_WAITING_TYPE9	41	D9
PB_SC_TKN	58		PB_SUBSYS_TYPE	8	
PB_SCOPE_SHARED	42	4	PB_SUBSYSNM	C	
PB_SOURCELU	80		PB_SWITCH_INFO	43	
PB_SRB_SAMEDU_NO	3C	1	PB_SWITCH_LOCALMVS	43	1
PB_SRB_SAMEDU_YES	3C	3	PB_SWITCH_NETWORK	43	3
PB_STATE	41		PB_SWITCH_SYSPLEX	43	2
PB_STATE_ACTIVE	41	1	PB_TRANS_TTOKEN	D8	
PB_STATE_ACTIVE_APPL	41	4	PB_TRXCLASS	70	
PB_STATE_ACTIVE_SUBSYS	41	1	PB_TRXNAME	68	
PB_STATE_FREE	41	0	PB_USERID	60	
PB_STATE_IDLE	41	3	PB_VERSION	4	
PB_STATE_READY	41	2	PB_VERSION1	4	1
PB_STATE_WAITING_BUFFER_POOL_CF	41	F2	PB_VERSION2	4	2
PB_STATE_WAITING_BUFFER_POOL_CF_IO	41	F3	PB_VERSION3	4	3
PB_STATE_WAITING_BUFFER_POOL_IO	41	F1	PB_VERSION4	4	4
PB_STATE_WAITING_CF_IO	41	F4	PB_VERSION5	4	5
PB_STATE_WAITING_CONV	41	F8			
PB_STATE_WAITING_DISTRIB	41	F5			
PB_STATE_WAITING_IO	41	FF			

IWMYCON Cross Reference

Name	Hex Offset	Hex Value
PB_VERSION6	4	6
PB_VERSION7	4	7
PB_VERSION8	4	8
PB_WORK_ATTRIBUTES		
	60	
PB_WORKDEF	42	
PBX	1D8	
PBX_DEP_MIRROR_PTR		
	1F8	
PBX_DEP_MIRROR_TKN		
	1F8	
PBX_DEP_MONPTR		
	1D8	
PBX_DEP_MONTKN		
	1D8	
PBX_END	200	
PBX_MIRROR_PTR		
	1E8	
PBX_MIRROR_TKN		
	1E8	
PBX_PARENT_MIRROR_PTR		
	1F0	
PBX_PARENT_MIRROR_TKN		
	1F0	
PBX_PARENT_MONPTR		
	1E0	
PBX_PARENT_MONTKN		
	1E0	

IXCYAMDA Information

IXCYAMDA Programming Interface information

Programming Interface information

IXCYAMDA

End of Programming Interface information

IXCYAMDA Heading Information • IXCYAMDA Map

IXCYAMDA Heading Information

Common Name: XCF Accounting and Measurement Data Area
Macro ID: IXCYAMDA
DSECT Name: AMDAREA AMDPATH AMDMPEND AMDSYS AMDSD
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: Key User-supplied
 Residency: User-supplied
Size: Variable
 AMDAGFD -- X'006C' bytes
 AMDAGFO -- X'0020' bytes
 AMDADR -- X'0004' bytes
 AMDGLI -- X'000C' bytes
 AMDPATH1 -- X'00BC' bytes
 AMDSYS1 -- X'0080' bytes
 AMDMEM -- X'014C' bytes
 AMDMEMDI -- X'0040' bytes
 AMDAREA -- X'0040' bytes
 AMDPATH -- X'0078' bytes
 AMDMPEND -- X'004C' bytes
 AMDSYS -- X'004C' bytes
 AMDSD -- X'0030' bytes
 AMCTCHDD -- X'0020' bytes
 AMSTRHDD -- X'0020' bytes
 AMLSTHDD -- X'0020' bytes
 Note that AMCTCHDD, AMSTRHDD, and AMLSTHDD map storage contained within the AMDPATH and AMDMPEND data records.
Created by: IXCA1MG
Pointed to by: DATAAREA_ADDR field in MG parameter list
Serialization: None required
Function: IXCYAMDA maps the data returned by the XCF Measurement Gatherer Service (IXCMG).

IXCYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDAREA	Data area for IXCMG requests that return measurement data records.
0	(0)	SIGNED	4	AMDATLEN	Total length of output data area needed to contain all the requested information. This length includes the area for the records that were returned on this call.
4	(4)	SIGNED	4	AMDA#PTH	Number of path entries
8	(8)	SIGNED	4	AMDALPTH	Length of path data
12	(C)	SIGNED	4	AMDAOPTH	Offset to path entries
16	(10)	SIGNED	4	AMDA#MPE	Number of pending message entries
20	(14)	SIGNED	4	AMDALMPE	Length of pending message data
24	(18)	SIGNED	4	AMDAOPE	Offset to pending message entries
28	(1C)	SIGNED	4	AMDA#SYS	Number of system entries
32	(20)	SIGNED	4	AMDALSYS	Length of system data
36	(24)	SIGNED	4	AMDAOQSYS	Offset to system entries
40	(28)	SIGNED	4	AMDA#SD	Number of source/destination entries.
44	(2C)	SIGNED	4	AMDALSD	Length of source/destination data entries
48	(30)	SIGNED	4	AMDAOOSD	Offset to source/destination entries.
52	(34)	SIGNED	4	AMDA#MUS	Number of member message use summary entries
56	(38)	SIGNED	4	AMDALMUS	Length of member message space summary entries
60	(3C)	SIGNED	4	AMDAOUMUS	Offset to member message use summary entries
60	(3C)	X'40'	0	AMDAREA_LEN	""-AMDAREA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDAGFD	Header for data area returned by explicit GATHERFROM=LOCAL or GATHERFROM=TOKEN
0	(0)	CHARACTER	64		This area is mapped by AMDAREA as usual.
64	(40)	BITSTRING	1	AMDAGFD_VERSION	Version of AMDAGFD header
65	(41)	CHARACTER	1		Reserved
66	(42)	SIGNED	2	AMDAGFD_LENGTH	Length of AMDAGFD header
68	(44)	SIGNED	4	AMDAGFD_RETCODE	IXCMG return code for the data collection
72	(48)	SIGNED	4	AMDAGFD_RSNCODE	IXCMG reason code for the data collection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
76	(4C)	SIGNED	4	AMDAGFD_SYSTOKEN	XCF System ID of system that collected the data
80	(50)	CHARACTER	8	AMDAGFD_SYSNAME	Name of system that collected the data
88	(58)	CHARACTER	8	AMDAGFD_TOD	TOD when data gathering started. Hex zero if not started or not known.
96	(60)	CHARACTER	3		
99	(63)	BITSTRING	1	AMDAGFD_AMDALEVEL	AMDLEVEL requested
100	(64)	SIGNED	4	AMDAGFD_OGLI_REPORTED	Offset relative to AMDAGFD to locate the Gatherer Level Info record describing the AMDLEVEL of the returned data records. Zero if record not provided.
104	(68)	SIGNED	4	AMDAGFD_OGLI_SUPPORTED	Offset relative to AMDAGFD to locate the Gatherer Level Info record describing the maximum AMDLEVEL supported by the gathering system for each type of data record. Zero if record not provided.
104	(68)	X'6C'	0	AMDAGFD_LEN	"*-AMDAGFD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDAGFO	Data area for IXCMG GATHERFROM=OTHER request
0	(0)	BITSTRING	1	AMDAGFO_VERSION	Version of this header reserved
1	(1)	CHARACTER	1		
2	(2)	SIGNED	2	AMDAGFO_LENGTH	Length of this header
4	(4)	SIGNED	4	AMDAGFO_RETCODE	IXCMG return code for the asynchronous request.
8	(8)	SIGNED	4	AMDAGFO_RSNCODE	IXCMG reason code for the asynchronous request.
12	(C)	BITSTRING	1	AMDAGFO_MAXPLISTVER	Max IXCMG PLISTVER supported by target system. Valid for use if nonzero.
13	(D)	BITSTRING	1	AMDAGFO_MAXAMDALEVEL	Max IXCMG AMDLEVEL supported by target system. Valid for use if nonzero.
14	(E)	CHARACTER	2		reserved
16	(10)	CHARACTER	16	AMDAGFO_REQTOKEN	If request accepted, contains a token that represents the request. Otherwise zero.
16	(10)	X'20'	0	AMDAGFO_LEN	"*-AMDAGFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDADR	Mapping of first word common to all data records
0	(0)	BITSTRING	1	AMDADR_TYPE	Type of data record
1	(1)	BITSTRING	1	AMDADR_VERSION	Version of data record
2	(2)	SIGNED	2	AMDADR_LENGTH	Length in bytes of record
4	(4)	CHARACTER	1	AMDADR_CONTENT (0)	Type specific content starts at this offset
4	(4)	X'1'	0	AMDA_KTYPE_PATH	"1" AMDPATH
4	(4)	X'2'	0	AMDA_KTYPE_MPEN	"2" AMDMPEND
4	(4)	X'4'	0	AMDA_KTYPE_SYS	"4" AMDSYS
4	(4)	X'8'	0	AMDA_KTYPE_SD	"8" AMDSD
4	(4)	X'10'	0	AMDA_KTYPE_MEM	"16" AMDMEM

Comment

All new TYPE constants must be a multiple of 32 for compatibility with AMDPATH, AMDMPEND, AMDSYS, AMDSD, AMDMEM which use a flag in the low order 5 bits of TYPE byte to identify the record.

End of Comment

4	(4)	X'20'	0	AMDA_KTYPE_GLI	"32" AMDGLI
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IXCYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	X'0'	0	AMDA_KVERSION0	"0"
4	(4)	X'4'	0	AMDADR_LEN	""-AMDADR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDGLI	Record containing information about AMDALEVELs for specific types of data records
0	(0)	BITSTRING	1	AMDGLI_TYPE	=AMDA_kType_GLI
1	(1)	BITSTRING	1	AMDGLI_VERSION	Version of this record
2	(2)	SIGNED	2	AMDGLI_RECLEN	Length of this record
4	(4)	BITSTRING	1	AMDGLI_LEVEL_PATH	for AMDPATH
5	(5)	BITSTRING	1	AMDGLI_LEVEL_MSGPEND	for AMDMPEND
6	(6)	BITSTRING	1	AMDGLI_LEVEL_SYSTEM	for AMDSYS
7	(7)	BITSTRING	1	AMDGLI_LEVEL_SRCDEST	for AMDSD
8	(8)	BITSTRING	1	AMDGLI_LEVEL_MEMBER	for AMDMEM
9	(9)	CHARACTER	3		reserved
9	(9)	X'C'	0	AMDGLI_LEN	""-AMDGLI"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDPATH	Path activity entry, placed in the data area first if requested
0	(0)	BITSTRING	1	AMDPTYPE (0)	Indication of type of data
		.... ..1		AMDPTYP	"X'01" Indicates path data
1	(1)	BITSTRING	1		Reserved and set to 0
2	(2)	SIGNED	2	AMDPLENT	Length of a path entry
4	(4)	CHARACTER	8	AMDPNAME	System name
12	(C)	CHARACTER	4	AMDPDEV	Device number in EBCDIC of CTC device for signalling path. Blanks if not CTC device.
16	(10)	BITSTRING	1	AMDPDIR (0)	Direction of path
		1...		AMDPINB	"X'80" Inbound path
		.1.		AMDPOUTB	"X'40" Outbound path
					Reserved and set to 0
17	(11)	CHARACTER	3	AMDPONME	Name of system on other end if known, otherwise blanks.
20	(14)	CHARACTER	8	AMDPODEV	Device number in EBCDIC on the other end if known, otherwise blanks.
28	(1C)	CHARACTER	4	AMDPOFLAG (0)	Flags
32	(20)	CHARACTER	4	AMDPPSTAT (0)	Path status
32	(20)	BITSTRING	1	AMDPPSTRT	"X'80" Starting
		.1.		AMDPPREST	"X'40" Restarting
		..1.		AMDPPWORK	"X'20" Working
		...1		AMDPPSTOP	"X'10" Stopping
		.... 1...		AMDPLINK	"X'08" Waiting for completion of initial protocol used to establish communication link.
		.... .1..		AMDPNPO	"X'04" Not operational. Path defined to XCF but not usable until hardware and/or definition problems are resolved
		.... ..1.		AMDPPFAIL	"X'02" Stop failed.
		.... ...1		AMDPPBLD	"X'01" Rebuilding
33	(21)	BITSTRING	1	AMDPPSTA2 (0)	More path status flags
		1...		AMDPPQSCG	"X'80" Quiescing
		.1.		AMDPPQSCD	"X'40" Quiesced
		..1.		AMDPPNOTVIABLE	"X'20" ON if path is effectively quiesced. For example, no buffer conditions on the inbound side.
		...1		AMDP_SS_MONITOR	"X'10" ON if path appears to have the potential to be causing sympathy sickness.
		.... 1...		AMDP_SS_IMPACT	"X'08" ON if path is contributing to sympathy sickness condition.
		.... .1..		AMDP_STALLED	"X'04" ON if I/O transfer does not seem to be making progress.
34	(22)	CHARACTER	2		Reserved and set to 0
36	(24)	SIGNED	4	AMDPMPRET	Path retry limit
40	(28)	SIGNED	4	AMDP#RET	Current path retry count
44	(2C)	SIGNED	4	AMDP#RST	Cumulative number of restarts

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
48	(30)	SIGNED	4	AMDP#MXMS	Path maximum message limit. This value is the customer specified value for the number of 1K byte blocks of message buffer space associated with this signalling path. For an inbound path, this is the maximum amount of buffer space that can be used by the path. For an outbound path, this is the amount of buffer space contributed by this path to the total buffer space available for sending messages to the system on the other end using the transport class to which this path is assigned.
52	(34)	SIGNED	4	AMDP#SIG	For an outbound (inbound) path, the total number of signals sent (received) over the path. N/A for structure summary (Hardware type 2)
56	(38)	SIGNED	4	AMDP#ACT (0)	For an outbound path, the current number of signals pending transfer on the path. N/A for structure summary (Hardware type 2)
56	(38)	SIGNED	4	AMDP#IBR	For an inbound path, the total number of times a request for a new message buffer was refused due to the maximum message limit for the path. N/A for structure summary (Hardware type 2)
60	(3C)	SIGNED	4	AMDP#SUS	For an outbound path, the total number of signal requests satisfied by this path while not busy. For an inbound path, reserved and set to 0. N/A for structure summary (Hardware type 2)
64	(40)	SIGNED	4	AMDP#APP (0)	For an outbound path, the total number of signal requests satisfied by this path while busy. N/A for structure summary (Hardware type 2)
64	(40)	SIGNED	4	AMDPIOXT	For an inbound path, the average I/O transfer time, expressed in microseconds, for the most recently received signals. Zero if not available (no recent signals or sending system does not provide the necessary data). 'FFFFFFF'x if overflow (implies average exceeds approximately 35 minutes). N/A for structure summary (Hardware type 2)
68	(44)	SIGNED	4	AMDP#USE	Count of the current number of 1K byte blocks of message buffer space in use by this signalling path. N/A for structure summary (Hardware type 2)
72	(48)	SIGNED	4	AMDPMGRS	Measurement Gatherer Reset Data indicator, changes when counts for this path entry have been reset. Use this token to determine whether or not the data collected from two different invocations of the IXCMG service are comparable. If the token is the same for both sets of data, it makes sense to compare the data. If the token is different, the two sets of data are not comparable since they refer to two different instances of the indicated signalling path.
76	(4C)	CHARACTER	8	AMDPTCN	Transport Class Name. For an outbound path, the class to which the path is assigned. For an inbound path, blanks if AMDALEVEL<=1. For AMDALEVEL>1, the class to which the outbound side of the path is assigned, blanks if not known.
84	(54)	SIGNED	4	AMDPPHDT	Type of hardware being used as the transport mechanism for the signalling path. See AMHDTxxx constants.
88	(58)	CHARACTER	32	AMDPPHDD	Path hardware descriptor. See AMxxxHDD mappings below.
88	(58)	X'78'	0	AMDPATH_LEN	""-AMDPATH"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDPATH1	Path activity entry, returned when AMDALEVEL>0 specified on IXCMG.
0	(0)	CHARACTER	120		Mapped by AMDPATH
120	(78)	SIGNED	4	AMDPATH1_BUFFLEN	Maximum number of bytes of message data that will fit into the signal buffers that are currently used by the signalling path. Zero if signal buffers are not relevant to the path. N/A for structure summary (Hardware type 2)
124	(7C)	SIGNED	4	AMDPATH1_TRANSFERRATE	For an outbound path, transfer rate value expressed in microseconds, that was last reported by the inbound side of the path. Zero if not available (no recent signals or sending system does not provide the necessary data or path is not relevant for signal transfers). 'FFFFFFF'x if overflow (implies average exceeds approximately 35 minutes). N/A for inbound paths. N/A for structure summary (Hardware type 2)
128	(80)	SIGNED	4	AMDPATH1_#PENDINGDELIVERY	For an inbound path, the number of signal buffers currently engaged in some phase of delivering a message that was received over the path. N/A for outbound paths. N/A for structure summary (Hardware type 2)
132	(84)	SIGNED	4	AMDPATH1_SIGNAL#	For an outbound path, the signal number assigned to the most recent signal queued for transfer over the path (contrast with AMDP#SIG which includes only user signals). For an inbound path, the signal number of the signal that was most recently received. These numbers are not necessarily ever increasing. N/A for structure summary (Hardware type 2)
136	(88)	CHARACTER	52		Reserved for future use
136	(88)	X'BC'	0	AMDPATH1_LEN	""-AMDPATH1"

IXCYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDMPEND	Pending messages entry
0	(0)	BITSTRING.... ..1.	1	AMDMTYPE (0) AMDMTYPM	Indication of type of data "X'02" Indicates pending message data
1	(1)	BITSTRING	1		Reserved and set to 0
2	(2)	SIGNED	2	AMDMLENT	Length of a pending message entry
4	(4)	CHARACTER	4	AMDMDDEVN	Device number (EBCDIC) of CTC device for signalling path on which message is pending. Blanks if not associated with any signalling path or not a CTC device.
8	(8)	BITSTRING	8	AMDMTOKN	Member token of message sender
16	(10)	SIGNED	2	AMDMA SID	ASID of member sending message
18	(12)	SIGNED	2	AMDMDHOME	Home ASID that initiated message out request
20	(14)	CHARACTER	8	AMDMTSNM	Name of system that is target of message
28	(1C)	SIGNED	4	AMDMM SGL	Length of message which is pending
32	(20)	CHARACTER	8	AMDMTCN	Name of transport class selected for transferring the message, blanks if class not yet selected.
40	(28)	SIGNED	4	AMDMPHDT	Type of hardware being used as the transport mechanism for the signalling path. Indicates not applicable if the message is not currently pending transfer over a particular signalling path.
44	(2C)	CHARACTER	32	AMDMPHDD	Path hardware descriptor. Not applicable if message is not currently pending transfer over a particular signalling path. See AMxxxHDD mappings below.
44	(2C)	X'4C'	0	AMDMPEND_LEN	"*-AMDMPEND"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDSYS	System entry. There are two or more system entries per remote system (1 inbound entry plus 1 outbound entry per transport class). One entry per transport class for the local system.
0	(0)	BITSTRING.... ..1.	1	AMDSYTYP (0) AMDSYTYE	Indication of type of data "X'04" Indicates system data
1	(1)	BITSTRING	1		Reserved and set to 0
2	(2)	SIGNED	2	AMDSYLEN	Length of system entry
4	(4)	CHARACTER	8	AMDSYNME	System name, blanks if not known
12	(C)	BITSTRING 1... .... .1. .... ..1.	1	AMDSYDIR (0) AMDSYIN AMDSYOUT AMDSYLCL	Direction "X'80" Inbound "X'40" Outbound "X'20" Local
13	(D)	CHARACTER	3		Reserved and set to 0
16	(10)	SIGNED	4	AMDSYP TH	Current number of paths in service. If local entry, set to 0. If outbound entry, count is for indicated transport class.
20	(14)	SIGNED	4	AMDSYBSY	Total number of times a no buffer condition occurred. Subject to wrapping. If local or outbound entry, count is for indicated transport class.
24	(18)	SIGNED	4	AMDSYNOP	Total number of times a no path condition occurred. Subject to wrapping. If local entry, set to 0. If outbound entry, count is for indicated transport class.
28	(1C)	SIGNED	4	AMDSYMXB	Current maximum number of 1K byte blocks of message buffer space permitted for system. If local or outbound entry, count is for indicated transport class.
32	(20)	SIGNED	4	AMDSYUSE	Current number of 1K byte blocks of message buffer space in use on system. If local or outbound system entry, count is for indicated transport class.
36	(24)	SIGNED	4	AMDSYNUM	System Token. Changes when all counts for the system named by AMDSYNME have been reset. Use this token to determine whether or not the data collected from two different invocations of the IXCMG service are comparable. If the token is the same for both sets of data, it makes sense to compare the data. If the token is different, the two sets of data are not comparable since they refer to two different instances of the named system.
40	(28)	SIGNED	4	AMDSYBIG	Total number of messages sent whose length exceeded the buffer size that supports the defined transport class length. Zero if inbound entry. Subject to wrapping.
44	(2C)	SIGNED	4	AMDSYFIT	Total number of messages sent whose length fit the buffer size that supports the defined transport class length. Zero if inbound entry. Subject to wrapping.
48	(30)	SIGNED	4	AMDSYSML	Total number of messages sent whose length was smaller than buffer size that supports the defined transport class length. Zero if inbound entry. Subject to wrapping.
52	(34)	SIGNED	4	AMDSYOVR	Total number of messages sent whose length exceeded the buffer size for which the signalling service was optimized. Zero if inbound entry. Subject to wrapping.
56	(38)	SIGNED	4	AMDSYTCL	Length of longest message that fits the buffer size that supports the defined transport class length. Zero if inbound entry.
60	(3C)	CHARACTER	8	AMDSYTCN	Transport Class Name to which the data applies. Blanks if inbound entry.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
68	(44)	SIGNED	4	AMDSYGRS	Measurement Gatherer Reset Data indicator, changes when counts for the transport class named by AMDSYTCN have been reset. Note that if AMDSYNUM field has changed, then counts have been reset even though AMDSYGRS may not have changed. Zero if inbound entry. Use this token to determine whether or not the data collected from two different invocations of the IXCMG service are comparable. If the token is the same for both sets of data, it makes sense to compare the data. If the token is different, the two sets of data are not comparable since they refer to two different instances of the indicated transport class definition
72	(48)	SIGNED	4	AMDSYSMX	Customer defined maxmsg value. Default number of 1K byte blocks of message buffer space. If local or outbound entry, count is for transport class. This value can be modified via SETXCF command.
72	(48)	X'4C'	0	AMDSYS_LEN	** -AMDSYS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDSYS1	System entry. This is the mapping to use for system data when the IXCMG service is invoked with AMDALEVEL >= 1. NOTE: These records are variable length. AMDSYLEN *must* be used to increment to the next AMDSYS1 entry.
0	(0)	CHARACTER	112	AMDSYS1F (0)	This area is mapped by AMDSYS as usual. Reserved.
0	(0)	CHARACTER	76		
76	(4C)	CHARACTER	32		
108	(6C)	SIGNED	4	AMDSYS1_#MSGSIZES	Number of entries in the AMDSYS1_MsgSizes array. Could be zero.
112	(70)	CHARACTER	1	AMDSYS1V (0)	Array of msg size data
112	(70)	CHARACTER	16	AMDSYS1_MSGSIZES (0)	
112	(70)	SIGNED	4	AMDSYS1_BUFFLEN	maximum number of bytes of message data that fit in the message buffer
116	(74)	SIGNED	4	AMDSYS1_SIGNALCNT	Number of signals that could have used a signal buffer of the indicated size. Subject to wrapping.
120	(78)	CHARACTER	8		Reserved.
120	(78)	X'80'	0	AMDSYS1_LEN	** -AMDSYS1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDSD	Source/destination entry, one per member.
0	(0)	BITSTRING	1	AMDSTYPE (0)	Indication of type of data
		.... 1...		AMDSTYPS	"X'08" Indicates source/destination data
1	(1)	BITSTRING	1		Reserved and set to 0
2	(2)	SIGNED	2	AMDSENT	Length of a source/destination entry
4	(4)	CHARACTER	8	AMDSEGRP	Eight byte group name
12	(C)	CHARACTER	16	AMDSMEM	Member name
28	(1C)	SIGNED	4	AMDSSCNT	Total number of signals sent by the member
32	(20)	SIGNED	4	AMDSRCNT	Total number of signals received by the member
36	(24)	SIGNED	4	AMDSMGRS	Measurement Gatherer Reset Data indicator, changes when counts for this member entry have been reset. Use this token to determine whether or not the data collected from two different invocations of the IXCMG service are comparable. If the token is the same for both sets of data, it makes sense to compare the data. If the token is different, the two sets of data are not comparable since they refer to two different instances of the indicated member.
40	(28)	CHARACTER	8	AMDSSNAM	Name of system on which member resides
40	(28)	X'30'	0	AMDSD_LEN	** -AMDSD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDMEM	Member data entry
0	(0)	CHARACTER	268	AMDMEM_HDR (0)	Indicates type of data
0	(0)	BITSTRING	1	AMDMEM_TYPE (0)	
		...1		AMDMEM_TYPEMEM	"X'10" Indicates member data
1	(1)	BITSTRING	1		Reserved and set to 0
2	(2)	SIGNED	2	AMDMEM_LENGTH	

IXCYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Number of bytes of data returned in this entry. CAUTION: records are variable length since a variable number of AMDMEMDI data items may be returned.
4	(4)	CHARACTER	8	AMDMEM_GROUPNAME	XCF group name
12	(C)	CHARACTER	16	AMDMEM_MEMBERNAME	XCF Member name
28	(1C)	CHARACTER	8	AMDMEM_JOBNAME	Member's jobname
36	(24)	CHARACTER	8	AMDMEM_SYSNAME	Name of system on which member resides
44	(2C)	BITSTRING	8	AMDMEM_MEMBERTOKEN	XCF member token for the indicated member. Use this token to determine whether or not the data collected from two different invocations of the IXCMG service are comparable. If the token is the same for both sets of data, it makes sense to compare the data. If the token is different, the two sets of data are not comparable since they refer to two different instances of the indicated member.
52	(34)	SIGNED	4	AMDMEM_SYSTOKEN	XCF system token for the system where the member resides.
56	(38)	BITSTRING	1	AMDMEM_EXITSDEFINED (0)	User exits supplied at join time.
		.... 1...		AMDMEM_HASMSGEXIT	"X'08" ON if the member supplied a MSGEXIT routine when it invoked IXCJOIN to join its group. The member is capable of receiving messages. Valid for AMDALEVEL > 1.
		.... .1..		AMDMEM_HASGRPEXIT	"X'04" ON if the member supplied a GRPEXIT routine when it invoked IXCJOIN to join its group. The member is capable of receiving notifications about changes in the operational states of other members in the group or systems in the sysplex. Valid for AMDALEVEL > 1.
		.... ..1.		AMDMEM_HASNOTIFYEXIT	"X'02" ON if the member supplied a NOTIFYEXIT routine when it invoked IXCJOIN to join its group. The member is capable of receiving message notifications. Valid for AMDALEVEL > 1.
		.... ...1		AMDMEM_HASSTATEXIT	"X'01" ON if the member supplied a STATEXIT routine when it invoked IXCJOIN to join its group. This allows XCF to monitor the member's status. Valid for AMDALEVEL > 1.
57	(39)	CHARACTER	1		reserved
58	(3A)	SIGNED	2	AMDMEM_ASID	Member's address space
60	(3C)	SIGNED	4	AMDMEM_MSGOACCEPTED	Cumulative count of messages accepted for delivery by the IXCMSGO service. Subject to wrapping.
64	(40)	SIGNED	4	AMDMEM_MSGONOBUFFER	Total number of messages rejected by the IXCMSGO service for lack of a message buffer. Subject to wrapping.
68	(44)	SIGNED	4	AMDMEM_MSGIRECEIVED	Cumulative count of messages that were to be delivered to the member. Includes both local and remote messages. Subject to wrapping.
72	(48)	SIGNED	4	AMDMEM_MSGICURRWORKITEMS	The number of signal work items currently queued for processing. Usually a work item represents a message that is to be delivered, but they could include internal XCF work that needs to be performed.
76	(4C)	SIGNED	4	AMDMEM_MSGITRANSFERS	Cumulative count of remote signals that were received on behalf of the member. Subject to wrapping.
80	(50)	SIGNED	4	AMDMEM_MSGOTRANSFERTIME	For inbound remote signals, the average message transfer time, expressed in microseconds, for the most recently received signals. Zero if not available (no recent signals or sending system does not provide the necessary data). 'FFFFFFF'x if overflow (implies average exceeds approximately 35 minutes). Message transfer is measured from the time that XCF accepts delivery of the message on the sending system to the time that (each signal for the) message arrives on the target system and can be scheduled/queued/collected for delivery to the target member.
84	(54)	SIGNED	4	AMDMEM_GRPXRECEIVED	Cumulative count of group events that were to be delivered to the member. Subject to wrapping.
88	(58)	SIGNED	4	AMDMEM_GRPXCURRWORKITEMS	The number of group work items currently queued for processing.
92	(5C)	CHARACTER	8	AMDMEM_TODWHENCOLLECTED	TOD when started data gathering. Valid for AMDALEVEL > 0.
100	(64)	CHARACTER	1	AMDMEM_FLAGS (0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		AMDMEM_STALLED	"X'80" ON if the member is considered stalled. Valid for AMDALEVEL > 0.
		.1..		AMDMEM_SYMPATHYSICKNESS	"X'40" ON if member appears to be contributing to sympathy sickness in the sysplex. Valid for AMDALEVEL > 0.
		..1.		AMDMEM_DEACTIVATING	"X'20" ON if active member being deactivated. Member exit routines will not be driven. Valid for AMDALEVEL > 0.
		...1		AMDMEM_SS_TERMINATING	"X'10" ON if member termination was initiated by SFM in an attempt to relieve sympathy sickness. Valid for AMDALEVEL > 0.
		.... 1...		AMDMEM_MEMSTALLENABLED	"X'08" ON if XCF is to terminate the member that appears to be causing sympathy sickness. Valid for AMDALEVEL > 1.
		.... .1..		AMDMEM_CONFIRMEDSUM	"X'04" ON if the member is in a status update missing condition confirmed by its status exit. Valid for AMDALEVEL > 1.
		.... ..1.		AMDMEM_CONFIRMEDIMPAIRED	"X'02" ON if the member is considered impaired because its status exit continuously reports bad status. Valid for AMDALEVEL > 1.
		.... ...1		AMDMEM_DEEMEDIMPAIRED	"X'01" ON if the member is considered impaired because all of its exits are stalled. Valid for AMDALEVEL > 1.
101	(65)	CHARACTER	3		Reserved
104	(68)	SIGNED	4	AMDMEM_MSGICURRWIIOBUFF	Number of currently queued work items consuming an XCF signal buffer. Valid for AMDALEVEL > 0.
108	(6C)	SIGNED	4	AMDMEM_MSGICURRWIDRBUFF	Number of currently queued work items consuming a DREF XCF buffer. Valid for AMDALEVEL > 0.
112	(70)	SIGNED	4	AMDMEM_MSGICURRWIPGBUFF	Number of currently queued work items consuming a pageable XCF buffer. Valid for AMDALEVEL > 0.
116	(74)	SIGNED	4	AMDMEM_MSTCURRMMSGOSENDPEND	Number of managed msgout requests currently in pending state because a send has not completed. Valid for AMDALEVEL > 0.
120	(78)	SIGNED	4	AMDMEM_MSTCURRMMSGORESPPEND	Number of managed msgout requests currently in pending state because an expected response has not been received (no sends pending). Valid for AMDALEVEL > 0.
124	(7C)	SIGNED	4	AMDMEM_MSTCURRMMSGOCOMPLETED	Number of managed msgout requests currently in completed state. Valid for AMDALEVEL > 0.
128	(80)	SIGNED	4	AMDMEM_MSTCURRMMSGOSAVED	Number of managed msgout requests currently in saved state. Valid for AMDALEVEL > 0.
132	(84)	SIGNED	4	AMDMEM_MSTCURRMMSGISAVED	Number of managed msgin requests currently in saved state. Valid for AMDALEVEL > 0.
136	(88)	SIGNED	4	AMDMEM_MSGICURRWICRITMSG	Number of currently queued critical messages. Valid for AMDALEVEL > 1.
140	(8C)	CHARACTER	24	AMDMEM_MEMBERFUNCTION	Member FUNCTION as specified on IXCJOIN. Valid for AMDALEVEL > 1.
164	(A4)	CHARACTER	8	AMDMEM_TODWHENJOINED	TOD when member became active. Valid for AMDALEVEL > 1.
172	(AC)	SIGNED	2	AMDMEM_MEMSTALLTIME	SFM MEMSTALLTIME value used to determine how many seconds the system will allow the sympathy sickness condition to persist before it terminates the member. Valid for AMDALEVEL > 1.
174	(AE)	CHARACTER	8	AMDMEM_TODWHENSTATUSCHANGED	TOD when a member status change was detected or confirmed by the status monitor. Valid if member requested status monitoring and AMDALEVEL > 1.
182	(B6)	CHARACTER	8	AMDMEM_TODWHENSTATUSCHECKED	TOD when the member status monitor last checked the member status. Valid if member requested status monitoring and AMDALEVEL > 1.
190	(BE)	CHARACTER	74		Reserved
264	(108)	SIGNED	4	AMDMEM_#DATAITEMS	Number of data items in the following array
268	(10C)	CHARACTER	64	AMDMEM_DATAITEMS	Array of data items. Each entry is mapped by AMDMEMDI.
268	(10C)	X'14C'	0	AMDMEM_LEN	**-AMDMEM"

IXCYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	AMDMEMDI	Member data item
0	(0)	CHARACTER	4	AMDMEMDI_HDR (0)	
0	(0)	BITSTRING	1	AMDMEMDI_DATATYPE	Indicates the format of AMDMEMDI_Data. Your program should skip data items whose type it does not recognize. New data types may be added at any time.
1	(1)	BITSTRING	1	AMDMEMDI_SUBJECT	Subject of the data item
2	(2)	BITSTRING	1	AMDMEMDI_FLAGS (0)	
		1... ..		AMDMEMDI_STALLED	"X'80" ON if data item could be related to a hang condition.
3	(3)	CHARACTER	1		Reserved
4	(4)	CHARACTER	60	AMDMEMDI_DATA (0)	
4	(4)	CHARACTER	60	AMDMEMDI_EXITROUTINES (0)	
4	(4)	ADDRESS	4	AMDMEMDIXR_TOKEN	DataType 001: exits exit routine token
8	(8)	CHARACTER	2	AMDMEMDIXR_FUNCTIONCODE	EBCDIC eyecatcher to indicate function to be performed.
10	(A)	CHARACTER	2		Reserved
12	(C)	CHARACTER	8	AMDMEMDIXR_TODWHENCALLED	TOD when exit was called. Hex zero if exit not yet called.
20	(14)	CHARACTER	8	AMDMEMDIXR_TODWHENRETURNED	TOD when exit returned. Hex zero if exit not yet returned.
28	(1C)	SIGNED	4	AMDMEMDIXR_PROCESSSTAGE	If exit not yet returned, identifies current stage of processing.
32	(20)	CHARACTER	32		reserved
4	(4)	CHARACTER	60	AMDMEMDI_WORKITEM (0)	
4	(4)	ADDRESS	4	AMDMEMDIWI_TOKEN	DataType 002: work items work item token
8	(8)	CHARACTER	2	AMDMEMDIWI_FUNCTIONCODE	EBCDIC eyecatcher to indicate function to be performed.
10	(A)	CHARACTER	2		Reserved
12	(C)	CHARACTER	8	AMDMEMDIWI_TODWHENCREATED	TOD when work item was created.
20	(14)	SIGNED	4	AMDMEMDIWI_ITEM#	work item number
24	(18)	CHARACTER	40		reserved
4	(4)	CHARACTER	40	AMDMEMDI_MSGSIZES (0)	
4	(4)	SIGNED	4	AMDMEMDIMS_BUFFLEN	DataType 003: msg sizes maximum number of bytes of message data that fit in the message buffer
8	(8)	SIGNED	4	AMDMEMDIMS_MSGOREMOTESENT	Number of remote signals sent that could have used a signal buffer of this size. Subject to wrapping.
12	(C)	SIGNED	4	AMDMEMDIMS_MSGLOCALSENT	Number of local signals sent that could have used a signal buffer of this size. Subject to wrapping.
16	(10)	CHARACTER	28		reserved
4	(4)	CHARACTER	60	AMDMEMDI_SYMPATHYSICKNESS (0)	
4	(4)	BITSTRING	32	AMDMEMDISS_SYSTEMS	DataType 004: sympathy sickness impact. Valid for AMDALEVEL > 0. Set of systems that appear to be suffering from sympathy sickness for which the subject member is at least partially responsible. The i'th bit is ON if the system whose XCF system slot number is "i" is being impacted.
36	(24)	SIGNED	4	AMDMEMDISS_#IMPACTEDBUFFERS	Number of I/O Buffers in use by the stalled member that could be contributing to the sympathy sickness problem.
40	(28)	CHARACTER	24		reserved
4	(4)	CHARACTER	60	AMDMEMDI_MESSAGE_TABLE (0)	
4	(4)	SIGNED	4	AMDMEMDIMT_CURRSENPEND	DataType 005: message table. Valid for AMDALEVEL > 1. Number of requests currently in pending state because a send has not completed.
8	(8)	SIGNED	4	AMDMEMDIMT_CURRRESPEND	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	AMDMEMDINT_CURRCOMPLETED	Number of requests currently in pending state because an expected response has not been received.
16	(10)	SIGNED	4	AMDMEMDINT_CURRRMSGOSAVED	Number of requests currently in completed state.
20	(14)	SIGNED	4	AMDMEMDINT_CURRRMSGISAVED	Number of message out requests currently in saved state.
24	(18)	CHARACTER	40		Number of message in requests currently in saved state.
24	(18)	X'1'	0	AMDMEMDI_XRDATATYPE	reserved
24	(18)	X'2'	0	AMDMEMDI_WIDATATYPE	"1" exit routine
24	(18)	X'3'	0	AMDMEMDI_MSDATATYPE	"2" work item
24	(18)	X'4'	0	AMDMEMDI_SSDATATYPE	"3" message sizes
24	(18)	X'5'	0	AMDMEMDI_MTDATATYPE	"4" sympathy sickness
24	(18)	X'0'	0	AMDMEMDI_NOSUBJECT	"5" message table
24	(18)	X'1'	0	AMDMEMDI_GPSUBJECT	"0" global subject
24	(18)	X'2'	0	AMDMEMDI_SISUBJECT	"1" group services
24	(18)	X'3'	0	AMDMEMDI_CMSUBJECT	"2" signalling services
24	(18)	X'4'	0	AMDMEMDI_SMSUBJECT	"3" critical messages
24	(18)	X'0'	0	AMDMEMDI_KNOSTAGE	"4" status monitor
24	(18)	X'1'	0	AMDMEMDI_KPENDINGSTAGE	"0" no stage identified
24	(18)	X'2'	0	AMDMEMDI_KSETUPSTAGE	"1" Processing is pending. For example, SRB scheduled but not yet run.
24	(18)	X'3'	0	AMDMEMDI_KRUNNINGSTAGE	"2" Doing setup work to prepare to do the desired processing.
24	(18)	X'4'	0	AMDMEMDI_KFAILEDSTAGE	"3" In midst of doing the desired processing.
24	(18)	X'5'	0	AMDMEMDI_KDEACTIVATEDSTAGE	"4" The exit has failed
					"5" The exit routine has been deactivated due to errors

Comment

Constants for Hardware Descriptor Types

End of Comment

24	(18)	X'0'	0	AMHDTNA	"0" Hardware type not applicable, ignore hardware descriptor data.
24	(18)	X'1'	0	AMHDTCTC	"1" CTC device.
24	(18)	X'2'	0	AMHDTSTR	"2" CF Structure (summary)
24	(18)	X'3'	0	AMHDTLST	"3" A list within a CF structure
24	(18)	X'40'	0	AMDMEMDI_LEN	"*-AMDMEMDI"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMCTCHDD	Path hardware descriptor for CTC devices.
0	(0)	CHARACTER	4	AMCTCDEV	Device number (EBCDIC)
4	(4)	CHARACTER	28		Unused, set to zero.
4	(4)	X'20'	0	AMCTCHDD_LEN	"*-AMCTCHDD"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMSTRHDD	Path hardware descriptor for a CF List structure.
0	(0)	CHARACTER	16	AMSTRNAM	Structure name (EBCDIC)
16	(10)	SIGNED	4	AMSTR#AV	Number of lists that remain available for use (either as PATHIN or PATHOUT). Zero if list structure is considered inoperative.
20	(14)	SIGNED	4	AMSTR#OD	Number of other systems connected to this structure that desire to establish signalling paths in the opposite direction. This system is not included in the count. The count is zero if the list structure is considered inoperative.

IXCYAMDA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
24	(18)	SIGNED	4	AMSTR#LP	Number of list signalling paths started by this system in the indicated direction for this list structure. The count includes inoperative list paths.
28	(1C)	CHARACTER	4		Unused, set to zero.
28	(1C)	X'20'	0	AMSTRHDD_LEN	""-AMSTRHDD"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	AMLSTHDD	Path hardware descriptor for a particular list within a CF List structure
0	(0)	CHARACTER	16	AMLSTSTR	Structure name (EBCDIC)
16	(10)	SIGNED	4	AMLSTNUM	List number
20	(14)	CHARACTER	12		Unused, set to zero.
20	(14)	X'20'	0	AMLSTHDD_LEN	""-AMLSTHDD"

IXCYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AMCTCDEV	0		AMDAGFO_LENGTH	2	
AMCTCHDD	0		AMDAGFO_MAXAMDALEVEL	D	
AMCTCHDD_LEN	4	20	AMDAGFO_MAXPLISTVER	C	
AMDA_KTYPE_GLI	4	20	AMDAGFO_REQTOKEN	10	
AMDA_KTYPE_MEM	4	10	AMDAGFO_RETCODE	4	
AMDA_KTYPE_MPEND	4	2	AMDAGFO_RSNCODE	8	
AMDA_KTYPE_PATH	4	1	AMDAGFO_VERSION	0	
AMDA_KTYPE_SD	4	8	AMDALMPE	14	
AMDA_KTYPE_SYS	4	4	AMDALMUS	38	
AMDA_KVERSION0	4	0	AMDALPTH	8	
AMDA#MPE	10		AMDALSD	2C	
AMDA#MUS	34		AMDALSYS	20	
AMDA#PTH	4		AMDAOMPE	18	
AMDA#SD	28		AMDAOMUS	3C	
AMDA#SYS	1C		AMDAOPTH	C	
AMDADR	0		AMDAOSD	30	
AMDADR_CONTENT	4		AMDAOSYS	24	
AMDADR_LEN	4	4	AMDAREA	0	
AMDADR_LENGTH	2		AMDAREA_LEN	3C	40
AMDADR_TYPE	0		AMDATLEN	0	
AMDADR_VERSION	1		AMDGLI	0	
AMDAGFD	0		AMDGLI_LEN	9	C
AMDAGFD_AMDLEVEL	63		AMDGLI_LEVEL_MEMBER	8	
AMDAGFD_LEN	68	6C	AMDGLI_LEVEL_MSGPEND	5	
AMDAGFD_LENGTH	42		AMDGLI_LEVEL_PATH	4	
AMDAGFD_OGLI_REPORTED	64		AMDGLI_LEVEL_SRCDEST	7	
AMDAGFD_OGLI_SUPPORTED	64		AMDGLI_LEVEL_SYSTEM	6	
AMDAGFD_RETCODE	68		AMDGLI_RECLEN	2	
AMDAGFD_RSNCODE	44		AMDGLI_TYPE	0	
AMDAGFD_SYSNAME	50		AMDGLI_VERSION	1	
AMDAGFD_SYSTOKEN	4C		AMDASID	10	
AMDAGFD_TOD	58		AMDMDEVN	4	
AMDAGFD_VERSION	40		AMDMEM	0	
AMDAGFO	0		AMDMEM_#DATAITEMS	108	
AMDAGFO_LEN	10	20	AMDMEM_ASID	3A	
			AMDMEM_CONFIRMEDIMPAIRED	64	2
			AMDMEM_CONFIRMEDSUM	64	4

Name	Hex Offset	Hex Value
AMDMEM_DATAITEMS		
	10C	
AMDMEM_DEACTIVATING		
	64	20
AMDMEM_DEEMEDIMPAIRED		
	64	1
AMDMEM_EXITSDEFINED		
	38	
AMDMEM_FLAGS		
	64	
AMDMEM_GROUPNAME		
	4	
AMDMEM_GRPXCURRWORKITEMS		
	58	
AMDMEM_GRPXRECEIVED		
	54	
AMDMEM_HASGRPEXIT		
	38	4
AMDMEM_HASMSGEXIT		
	38	8
AMDMEM_HASNOTIFYEXIT		
	38	2
AMDMEM_HASSTATEEXIT		
	38	1
AMDMEM_HDR		
	0	
AMDMEM_JOBNAME		
	1C	
AMDMEM_LEN		
	10C	14C
AMDMEM_LENGTH		
	2	
AMDMEM_MEMBERFUNCTION		
	8C	
AMDMEM_MEMBERNAME		
	C	
AMDMEM_MEMBERTOKEN		
	2C	
AMDMEM_MEMSTALLENABLED		
	64	8
AMDMEM_MEMSTALLTIME		
	AC	
AMDMEM_MSGICURRWICRITMSG		
	88	
AMDMEM_MSGICURRWIDRBUFF		
	6C	
AMDMEM_MSGICURRWIIOBUFF		
	68	
AMDMEM_MSGICURRWIPGBUFF		
	70	
AMDMEM_MSGICURRWORKITEMS		
	48	
AMDMEM_MSGIRECEIVED		
	44	
AMDMEM_MSGITRANSFERS		
	4C	
AMDMEM_MSGOACCEPTED		
	3C	
AMDMEM_MSGONOBUFFER		
	40	
AMDMEM_MSGOTRANSFERTIME		
	50	
AMDMEM_MSTCURRMSGISAVED		
	84	
AMDMEM_MSTCURRMSGOCOMPLETED		
	7C	
AMDMEM_MSTCURRMSGORESPPEND		
	78	
AMDMEM_MSTCURRMSGOSAVED		
	80	
AMDMEM_MSTCURRMSGOSENDPEND		
	74	
AMDMEM_SS_TERMINATING		
	64	10
AMDMEM_STALLED		
	64	80
AMDMEM_SYMPATHYSICKNESS		

Name	Hex Offset	Hex Value
AMDMEM_SYSNAME		
	64	40
AMDMEM_SYSTOKEN		
	24	
AMDMEM_TODWHENCOLLECTED		
	34	
AMDMEM_TODWHENJOINED		
	5C	
AMDMEM_TODWHENSTATUSCHANGED		
	A4	
AMDMEM_TODWHENSTATUSCHECKED		
	AE	
AMDMEM_TYPE		
	B6	
AMDMEM_TYPEMEM		
	0	10
AMDMEMDI		
	0	
AMDMEMDI_CMSUBJECT		
	18	3
AMDMEMDI_DATA		
	4	
AMDMEMDI_DATATYPE		
	0	
AMDMEMDI_EXITROUTINES		
	4	
AMDMEMDI_FLAGS		
	2	
AMDMEMDI_GPSUBJECT		
	18	1
AMDMEMDI_HDR		
	0	
AMDMEMDI_KDEACTIVATEDSTAGE		
	18	5
AMDMEMDI_KFAILEDSTAGE		
	18	4
AMDMEMDI_KNOSTAGE		
	18	0
AMDMEMDI_KPENDINGSTAGE		
	18	1
AMDMEMDI_KRUNNINGSTAGE		
	18	3
AMDMEMDI_KSETUPSTAGE		
	18	2
AMDMEMDI_LEN		
	18	40
AMDMEMDI_MESSAGETABLE		
	4	
AMDMEMDI_MS DATATYPE		
	18	3
AMDMEMDI_MSGSIZES		
	4	
AMDMEMDI_MTDATATYPE		
	18	5
AMDMEMDI_NOSUBJECT		
	18	0
AMDMEMDI_SISUBJECT		
	18	2
AMDMEMDI_SMSUBJECT		
	18	4
AMDMEMDI_SSDATATYPE		
	18	4
AMDMEMDI_STALLED		
	2	80
AMDMEMDI_SUBJECT		
	1	
AMDMEMDI_SYMPATHYSICKNESS		
	4	
AMDMEMDI_WIDATATYPE		
	18	2
AMDMEMDI_WORKITEM		
	4	
AMDMEMDI_XRDATATYPE		
	18	1
AMDMEMDIMS_BUFFLEN		
	4	
AMDMEMDIMS_MSGOLOCALSENT		

IXCYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	C		AMDPDEV	C	
AMDMEMDIMS_MSGOREMOTESENT	8		AMDPDIR	10	
AMDMEMDIMT_CURRRCOMPLETED	C		AMDPFAIL	20	2
AMDMEMDIMT_CURRRMSGISAVED	14		AMDPFLAG	20	
AMDMEMDIMT_CURRRMSGOSAVED	10		AMDPIB	10	80
AMDMEMDIMT_CURRRRESPEND	8		AMDPIOXT	40	
AMDMEMDIMT_CURRSENPEND	4		AMDPLENT	2	
AMDMEMDISS_#IMPACTEDBUFFERS	24		AMDPLINK	20	8
AMDMEMDISS_SYSTEMS	4		AMDPMGRS	48	
AMDMEMDIWI_FUNCTIONCODE	8		AMDPMRET	24	
AMDMEMDIWI_ITEM#	14		AMDPMXMS	30	
AMDMEMDIWI_TODWHENCREATED	C		AMDPNOME	4	
AMDMEMDIWI_TOKEN	4		AMDPNOP	20	4
AMDMEMDIXR_FUNCTIONCODE	8		AMDPODEV	1C	
AMDMEMDIXR_PROCESSTAGE	1C		AMDPONME	14	
AMDMEMDIXR_TODWHENCALLED	C		AMDPOUTB	10	40
AMDMEMDIXR_TODWHENRETURNED	14		AMDPPHDD	58	
AMDMEMDIXR_TOKEN	4		AMDPPHDT	54	
AMDMHOME	12		AMDPPHDD	54	
AMDMLENT	2		AMDPPHDT	54	
AMDMMMSGL	1C		AMDPPHDT	54	
AMDMPEND	0		AMDPPHDT	54	
AMDMPEND_LEN	2C	4C	AMDPPHDT	54	
AMDMPHDD	2C		AMDPPHDT	54	
AMDMPHDT	28		AMDPPHDT	54	
AMDMTCN	20		AMDPPHDT	54	
AMDMTOKN	8		AMDPPHDT	54	
AMDMTSNM	14		AMDPPHDT	54	
AMDMTYPE	0		AMDPPHDT	54	
AMDMTYPM	0	2	AMDPPHDT	54	
AMDP_NOTVIABLE	21	20	AMDPPHDT	54	
AMDP_SS_IMPACT	21	8	AMDPPHDT	54	
AMDP_SS_MONITOR	21	10	AMDPPHDT	54	
AMDP_STALLED	21	4	AMDPPHDT	54	
AMDP#ACT	38		AMDPPHDT	54	
AMDP#APP	40		AMDPPHDT	54	
AMDP#IBR	38		AMDPPHDT	54	
AMDP#RET	28		AMDPPHDT	54	
AMDP#RST	2C		AMDPPHDT	54	
AMDP#SIG	34		AMDPPHDT	54	
AMDP#SUS	3C		AMDPPHDT	54	
AMDP#USE	44		AMDPPHDT	54	
AMDPATH	0		AMDPPHDT	54	
AMDPATH_LEN	58	78	AMDPPHDT	54	
AMDPATH1	0		AMDPPHDT	54	
AMDPATH1_#PENDINGDELIVERY	80		AMDPPHDT	54	
AMDPATH1_BUFFLEN	78		AMDPPHDT	54	
AMDPATH1_LEN	88	BC	AMDPPHDT	54	
AMDPATH1_SIGNAL#	84		AMDPPHDT	54	
AMDPATH1_TRANSFERRATE	7C		AMDPPHDT	54	
			AMDQSCD	21	40
			AMDQSCG	21	80
			AMDPRBLD	20	1
			AMDPREST	20	40
			AMDPRSTAT	20	
			AMDPRSTA2	21	
			AMDPRSTOP	20	10
			AMDPRSTRT	20	80
			AMDPTCN	4C	
			AMDPTYPE	0	
			AMDPTYPP	0	1
			AMDPTWORK	20	20
			AMDS	0	
			AMDS_LEN	28	30
			AMDSGRP	4	
			AMDSLENT	2	
			AMDSMEM	C	
			AMDSMGRS	24	
			AMDSRCNT	20	
			AMDSRCNT	1C	
			AMDSNAM	28	
			AMDSTYPE	0	
			AMDSTYPS	0	8
			AMDSYBIG	28	
			AMDSYBSY	14	
			AMDSYDIR	C	
			AMDSYFIT	2C	
			AMDSYGRS	44	
			AMDSYIN	C	80
			AMDSYLCL	C	20
			AMDSYLEN	2	
			AMDSYMXB	1C	
			AMDSYNME	4	
			AMDSYNOP	18	
			AMDSYNUM	24	
			AMDSYOUT	C	40
			AMDSYOVR	34	
			AMDSYPATH	10	
			AMDSYS	0	
			AMDSYS_LEN	48	4C
			AMDSYSML	30	
			AMDSYSMX	48	
			AMDSYS1	0	
			AMDSYS1_#MSGSIZES	6C	
			AMDSYS1_BUFFLEN	70	
			AMDSYS1_LEN	78	80
			AMDSYS1_MSGSIZES	70	
			AMDSYS1_SIGNALCNT	74	
			AMDSYS1F	0	
			AMDSYS1V	70	
			AMDSYTCL	38	
			AMDSYTCN	3C	

Name	Hex Offset	Hex Value
AMDSYTYE	0	4
AMDSYTYP	0	
AMDSYUSE	20	
AMHDTCTC	18	1
AMHDTLST	18	3
AMHDTNA	18	0
AMHDTSTR	18	2
AMLSTHDD	0	
AMLSTHDD_LEN	14	20
AMLSTNUM	10	
AMLSTSTR	0	
AMSTR#AV	10	
AMSTR#LP	18	
AMSTR#OD	14	
AMSTRHDD	0	
AMSTRHDD_LEN	1C	20
AMSTRNAM	0	

IXCYARAA Information

IXCYARAA Programming Interface information

Programming Interface information

IXCYARAA

End of Programming Interface information

IXCYARAA Heading Information • IXCYARAA Map

IXCYARAA Heading Information

Common Name: IXCARM Answer Area Structure
Macro ID: IXCYARAA
DSECT Name: ARAA
Owning Component: Cross System Coupling Facility (SCXCF)
 SUBCOMPONENT: Automatic Restart Manager
Eye-Catcher ID: None
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: 32 bytes
Created by: Invoker of IXCARM-REGISTER macro
Pointed to by: Input parameter of IXCARM-Register macro
Serialization: None
Function: To provide a mapping of the data that the IXCARM-REGISTER macro returns to its invoker (in the optional answer area provided by the invoker).

IXCYARAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ARAA	
0	(0)	BITSTRING	1	ARAAREGTYPE	Condition for this register: 0-Request did not complete. The contents of the answer area may not be valid, 1-initial register of element, 2-register after ARM restart
1	(1)	BITSTRING 1...	1	ARAAFLAGS1 ARAARESTARTOFF	Flags for special conditions from the IXCARM-Register request "X'80" When =1, ARM restarts are disabled in the sysplex

Comment

The ARAAAssocIssued and ARAAReadyIssued flags are provided to assist an element reregistering after a restart to determine the status it had when it terminated. These flags do not reflect the current status of the element.

The internal data from which these flags are set persists across restarts of the element and will be cleared only when the element deregisters. However, the internal flag for ARAAAssocIssued is also cleared when an Associate request fails. So, the ARAAAssocIssued flag indicates whether the most recent Associate request worked. Even when one or both of these flags is on when an element reregisters, that element should still (re)issue IXCARM-Associate (if appropriate) and IXCARM-Ready.

End of Comment

		.1..		ARAAASSOCISSUED	"X'40" When =1, the most recent IXCARM Associate macro issued by this element was successful. Pertinent only on reregistration after a restart.
		..1.		ARAAREADYISSUED	"X'20" When =1, element has previously explicitly issued an IXCARM-Ready macro. (Not set when only instance of element becoming ready was via a ready-timeout.) Pertinent only on reregistration after a restart
2	(2)	CHARACTER	2	ARAAHOMECLONE	Replication ID of system where element initially registered
4	(4)	CHARACTER	2	ARAACURCLONE	Replication ID of system where this registration occurred
6	(6)	CHARACTER	26		Reserved

Comment

Constants defining the "type" of registration returned in the answer area for IXCARM-Register

End of Comment

		.... ....		ARAAUNKNOWN	"X'00" Condition for IXCARM-Register is unknown
		.... ..1		ARAAINITREG	"X'01" Registration is initial one for element
		.... ..1.		ARAARESTART	"X'02" Registration is after an ARM restart of element

IXCYARAA Cross Reference

Name	Hex Offset	Hex Value
ARAA	0	
ARAAASSOCISSUED	1	40
ARAAACURCLONE	4	
ARAAFLAGS1	1	
ARAAHOMECLONE	2	
ARAAINITREG	6	1
ARAAREADYISSUED	1	20
ARAAREGTYPE	0	
ARAARESTART	6	2
ARAARESTARTOFF	1	80
ARAAUNKNOWN	6	0

IXCYAREN Information

IXCYAREN Programming Interface information

Programming Interface information

IXCYAREN

End of Programming Interface information

IXCYAREN Heading Information • IXCYAREN Map

IXCYAREN Heading Information

Common Name: Automatic Restart Manager ENF signal parameter list
Macro ID: IXCYAREN
DSECT Name: AREN
Owning Component: Cross-System Coupling Facility (SCXCF)
 SUBCOMPONENT: Automatic Restart Manager
Eye-Catcher ID: AREN
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: 248
 Key: 0
Size: 72 bytes
Created by: IXCA3ENF
Pointed to by: On entry to the ENF listen exit, register 1 points to a word which contains the address of the IXCYAREN data area
Serialization: Serialized by the ENF component
Function: Mapping of parameter list passed to ENF listener routines for events signalled by the Automatic Restart Manager

IXCYAREN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AREN	
0	(0)	CHARACTER	4	ARENACRONYM	Eyecatcher C'AREN'
4	(4)	BITSTRING	2	ARENQUALIFIER	
6	(6)	BITSTRING	1	ARENFLAGS1	Function code (listed below) identifying the specific event
		1... ..		ARENRESTART	Flags
				ARENRESTART	"X'80" Register or Ready issued during ARM restart of element (as opposed to during its initial startup)
		.1.. ..		ARENDEREGERR	"X'40" Deregister issued internally by ARM because of an error
7	(7)	BITSTRING	1	ARENFLAGS2	Flag byte (to get element name on a word boundary)
8	(8)	CHARACTER	16	ARENELEMENTNAME	
				ARENELEMENTNAME	ARM element name
24	(18)	CHARACTER	8	ARENJOBNAME	Job name
32	(20)	CHARACTER	8	ARENELEMENTTYPE	
				ARENELEMENTTYPE	ARM element type
40	(28)	CHARACTER	16	ARENRESTGRPNNAME	
				ARENRESTGRPNNAME	ARM restart group to which the element belongs
56	(38)	CHARACTER	8	ARENOLDSYSNAME	
				ARENOLDSYSNAME	The name of the system where the element initially registered
64	(40)	CHARACTER	8	ARENNEWSYSNAME	
				ARENNEWSYSNAME	System name of the system where the element was most recently started or restarted. (For many ENFs ARENOLDSYSNAME and ARENNEWSYSNAME will have the same value.)

Comment

Function codes for ArenQualifier

End of Comment

.... ..1	ARENEVENTREG	"X'01" Element was started/restarted and registered with the Automatic Restart Manager (i.e., it issued the IXCARM REGISTER macro)
.... ..1.	ARENEVENTREADY	"X'02" Element notified the system that it is ready to accept work (issued the IXCARM READY macro)
.... ..11	ARENEVENTDEREG	"X'03" Element was going through shutdown and and deregistered with system (issued the IXCARM DEREGISTER macro) or was internally deregistered by ARM
.... ..1..	ARENEVENTCDSCONNECT	"X'04" This system has acquired (or regained) access to the Couple data set for the Automatic Restart Manager

Comment

Eyecatcher

End of Comment

72	(48)	CHARACTER	4	ARENEYECATCHER	Eyecatcher
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IXCYAREN Cross Reference

Name	Hex Offset	Hex Value
AREN	0	
ARENACRONYM	0	
ARENDEREGERR	6	40
ARENELEMENTNAME		
	8	
ARENELEMENTTYPE		
	20	
ARENEVENTCDSCONNECT		
	40	4
ARENEVENTDEREG		
	40	3
ARENEVENTREADY		
	40	2
ARENEVENTREG	40	1
ARENEYECATCHER		
	48	C1D9C5D5
ARENFLAGS1	6	
ARENFLAGS2	7	
ARENJOBNAME	18	
ARENNEWSYSNAME		
	40	
ARENOLDSYSNAME		
	38	
ARENQUALIFIER		
	4	
ARENRESTART	6	80
ARENRESTGRPNAME		
	28	

IXCYARM Information

IXCYARM Programming Interface information

Programming Interface information

IXCYARM

End of Programming Interface information

IXCYARM Heading Information • IXCYARM Map

IXCYARM Heading Information

Common Name: IXCARM and IXCXARM Macro Constants
Macro ID: IXCYARM
DSECT Name: None
Owning Component: Cross System Coupling Facility (SCXCF)
 SUBCOMPONENT: Automatic Restart Manager (ARM)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: This is a data-only macro containing return codes, reason codes, and other constants related to the IXCARM macro.

IXCYARM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
		.... ....		IXCARMRC0	"X'00000000" IXCARM macro completed successfully
		.... .1..		IXCARMRC4	"X'00000004" IXCARM macro completed successfully but with some qualifying condition (indicated by reason code in in reg 0.)
		.... 1...		IXCARMRC8	"X'00000008" IXCARM macro failed because of an invalid parameter. (Reason code in reg 0.)
		.... 11..		IXCARMRC12	"X'0000000C" IXCARM macro failed because of an environmental error. (Reason code in reg 0.)
		...1		IXCARMRC16	"X'00000010" IXCARM macro failed because of a software error. (Reason code in reg 0.)

Comment

Constants defining reason codes provided by the IXCARM macro
 (in Register 0).
 Reason codes associated with return code X'04'

End of Comment

0	(0)	BITSTRING	0	IXCARMPEJCL	"X'00000104" Registration was requested by an ARM user that is being restarted with the same JCL or Start command that was used for initial startup
0	(0)	BITSTRING	0	IXCARMNEWJCL	"X'00000108" Registration was requested by an ARM user that is being restarted with JCL or a Start command provided by policy or an exit, or by the application.
0	(0)	BITSTRING	0	IXCARMPREDTIMEOUT	"X'00000204" Predecessor element not ready within its specified interval
0	(0)	BITSTRING	0	IXCARMREADYTIMEOUT	"X'00000304" Ready request complete but a predecessor element or this element had timed out
		.... ....		IXCARMPLACEHOLDERC4	"X'00000000" placeholder

Comment

Reason codes associated with return code X'08'

End of Comment

		...1 .1..		IXCARMNOTREG	"X'00000014" Issuer not registered with ARM
		...1 1...		IXCARMINVANSADDR	"X'00000018" The answer area provided with this request cannot be accessed
		...1 11..		IXCARMINVANSALET	"X'0000001C" The ALET that qualifies the address of the answer area is not associated with a valid DU-AL entry
		..1.		IXCARMINVRMTADDR	"X'00000020" The RMTOKEN area provided with this request cannot be accessed
		..1. .1..		IXCARMINVRMTALET	"X'00000024" The ALET that qualifies the address of the RMTOKEN area is not associated with a valid DU-AL entry
		..1. 11..		IXCARMINVELEMNAME	"X'0000002C" REGISTER or ASSOCIATE request specified an invalid element name
		..11		IXCARMREQUESTOVERLAP	"X'00000030" An IXCARM request from this address space is already outstanding

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.11 .1..		IXCARMAMODE24	"X'00000034" IXCARM macro was issued in 24-bit addressing mode
		.1..		IXCARMRSVNOT0	"X'00000040" A reserved field is not zero. Your program may have inadvertently written over an area in the parameter list
		1.1.		IXCARMINVRO	"X'000000A0" Register 0 has an invalid value
		1.1. .1..		IXCARMR0TYPECONFL	"X'000000A4" Register 0 and request type conflict
0	(0)	BITSTRING	0	IXCARMINVPLISTALET	"X'00000100" The ALET that qualifies the address of the parameter list is not associated with a valid DU-AL entry
0	(0)	BITSTRING	0	IXCARMBADVERSION	"X'00000104" The version of the IXCARM parameter list is incorrect
0	(0)	BITSTRING	0	IXCARMBADREQUEST	"X'00000108" The ARM function specified in the REQUEST parameter of the IXCARM macro is invalid
0	(0)	BITSTRING	0	IXCARMMPARMERR	"X'0000010C" Error accessing parameter list
0	(0)	BITSTRING	0	IXCARMSTARTERR	"X'00000110" Error fetching STARTTXT parameter
0	(0)	BITSTRING	0	IXCARMSTARTLEN	"X'00000114" Invalid STARTTXTLEN
0	(0)	BITSTRING	0	IXCARMNOTTASKMODE	"X'00000118" Issuer not in task mode
0	(0)	BITSTRING	0	IXCARMNOTENABLED	"X'0000011C" Issuer not enabled
0	(0)	BITSTRING	0	IXCARMHASLOCK	"X'00000120" Issuer holds local lock
0	(0)	BITSTRING	0	IXCARMHASEUTFRR	"X'00000124" Issuer running under EUT FRR
0	(0)	BITSTRING	0	IXCARMRSN128X	"X'00000128" Reserved (was IXCARMJSEErr)
0	(0)	BITSTRING	0	IXCARMJOURNAL	"X'0000012C" The caller is a candidate for either Checkpoint/Restart or step restart (i.e., journaling) and is therefore not eligible to be restarted by ARM
0	(0)	BITSTRING	0	IXCARMINVELEMTYPE	"X'00000130" The name specified for the element type is invalid
0	(0)	BITSTRING	0	IXCARMWRONGCALLERTYPE	"X'00000134" Program error. An IXCARM request specified or defaulted to ELEMbind=CURJOB and the application is neither a started task nor a batch job.
0	(0)	BITSTRING	0	IXCARMCANCELLED	"X'00000138" A CANCEL or FORCE command without the ARMRESTART parameter has been issued against the caller of IXCARM-Register
0	(0)	BITSTRING	0	IXCARMRACRFAIL	"X'0000013C" The RACROUTE invocation for the security token of IXCARM-Register's caller failed
0	(0)	BITSTRING	0	IXCARMINVTERTMYPE	"X'00000140" TERMTYPE value on a Register request is invalid
0	(0)	BITSTRING	0	IXCARMINVRETTIMEOUT	"X'00000144" Restart timeout value on a Register request is invalid
0	(0)	BITSTRING	0	IXCARMSAVEFAIL	"X'00000148" Register request prohibited by JES.
0	(0)	BITSTRING	0	IXCARMBATCHSTARTTXT	"X'0000014C" A batch job specified STARTTXT on its register request
0	(0)	BITSTRING	0	IXCARMELEMNAMEINUSE	"X'00000150" Element name specified on register request is already registered
0	(0)	BITSTRING	0	IXCARMADDRSPACEDUP	"X'00000154" Program error. An element with a bind to the batch job or started task is already registered with ARM. Only one element per batch job or started task can register with a bind specification of CURJOB
0	(0)	BITSTRING	0	IXCARMEXITPARM	"X'00000158" Error fetching EVENTEXIT parameter list
0	(0)	BITSTRING	0	IXCARMEXITLEN	"X'0000015C" EVENTEXIT parm list exceeds maximum length
0	(0)	BITSTRING	0	IXCARMEXITNAME	"X'00000160" Error trying to acquire the Event-Exit routine name
0	(0)	BITSTRING	0	IXCARMINVEVENTEXIT	"X'00000164" The name specified for the Event-Exit routine is not a valid MVS load module name
0	(0)	BITSTRING	0	IXCARMINVASYNCREQ	"X'00000168" A request needing asynchronous processing is invalid in this address space/task
0	(0)	BITSTRING	0	IXCARMINVELEMBIND	

IXCYARM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCARMRSVREGFDS	"X'0000016C" ELEMIND value on a Register request is invalid, or ELEMIND=CURSYS was specified with TERMTYPE=ELEMTERM.
0	(0)	BITSTRING	0	IXCARMBADWAITPRED	"X'000001A8" REGISTER request but fields not applying to REGISTER were not zero
0	(0)	BITSTRING	0	IXCARMRSVWTFPDS	"X'00000204" WAITPRED request issued invalidly for element (e.g., after element was ready)
0	(0)	BITSTRING	0	IXCARMBADREADY	"X'000002A8" WAITPRED request but fields not applying to WAITPRED were not zero
0	(0)	BITSTRING	0	IXCARMRSVRDYFDS	"X'00000304" READY request issued invalidly for element (e.g., element was already ready)
0	(0)	BITSTRING	0	IXCARMMDUPASSOC1	"X'000003A8" Required fields were not zero on a READY request
0	(0)	BITSTRING	0	IXCARMBADTARGETELEM	"X'00000404" Issuer of an ASSOCIATE request is already associated with an element
0	(0)	BITSTRING	0	IXCARMMDUPASSOC2	"X'00000408" On an ASSOCIATE request, the TELEMENT field does not specify the name of a registered ARM element
0	(0)	BITSTRING	0	IXCARMSELFASSOC	"X'0000040C" On ASSOCIATE request, the element specified in the TELEMENT parameter is already associated with another element
0	(0)	BITSTRING	0	IXCARMRSVASSFDS	"X'00000414" The issuer of an ASSOCIATE request specified itself as the TELEMENT
0	(0)	BITSTRING	0	IXCARMRSVDRGFDS	"X'000004A8" Required fields were not zero on an ASSOCIATE request
0	(0)	BITSTRING	0	IXCARMWRONGELEMOREREG	"X'000005A8" Required fields were not zero on a DEREGISTER request
0	(0)	BITSTRING	0	IXCARMWRONGADDRONREREG	"X'000005B0" The element that has attempted to register has done so in an address space that was created for the restart of another element. Only the restarted element can re-register in the current address space.
0	(0)	BITSTRING	0	IXCARMWRONGAFTERTIMOUT	"X'000005B4" The element that has attempted to re-register has done so in an address space other than the one that was created for the re-registering element. The element can only re-register in the address space that the override restart start text was issued in.
0	(0)	BITSTRING	0	IXCARMUNAUTHHEVENTEXIT	"X'000005B8" The element that has attempted to register has done so in an address space that was created for the restart of another element. However, the element that the address space was initially created for is no longer known to ARM. This is probably due to the restart of the element having timed out.
0	(0)	BITSTRING	0	IXCARMUNAUTHSTARTTXT	"X'000005BC" Users who are both in problem state and problem key can not specify an event exit on registration.
0	(0)	BITSTRING	0	IXCARMUNAUTHRMTOKEN	"X'000005C0" Users who are both in problem state and problem key can not specify restart start text on registration.
0	(0)	BITSTRING	0	IXCARMPLACEHOLDERRC8	"X'000005C4" Users who are both in problem state and problem key can not specify RMToken on any request. "X'00000000" placeholder

Comment

Reason codes associated with return code X'0C'

End of Comment

....	.1..	IXCARMNOARM	"X'00000004" The MVS system on which this macro was issued is at an MVS or JES release level that does not support the Automatic Restart Manager function.
....	11..	IXCARMNOESTAE	"X'0000000C" ARM was unable to establish an ESTAE routine for IXCARM processing
11..	....	IXCARMFDSERR1	"X'000000C0" Internal error while trying to access ARM's function data set
11..	.1..	IXCARMFDSERR2	"X'000000C4" Internal error with ARM's function data set (bad Ename)
11..	1...	IXCARMFDSERR3	"X'000000C8" Internal error with ARM's function data set (bad slot)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		11.. 11..		IXCARMBADTESTART	"X'000000CC" Internal error, call to TESTART failed
0	(0)	BITSTRING	0	IXCARMMAXUSERS	"X'00000104" Maximum number of ARM users registered
0	(0)	BITSTRING	0	IXCARMNOCDS	"X'00000160" No access to an ARM CDS on this system
0	(0)	BITSTRING	0	IXCARMBADJOB	"X'00000164" Environmental error, JES could not support ARM requests for this job. A unit of work other than a batch job or started task has attempted to register with ARM without specifying ELEMBIND=CURSYS. The registration was rejected.
0	(0)	BITSTRING	0	IXCARMSAFNOTDEFINED	"X'00000168" Problem state and problem key users can not use IXCARM without having a security profile in place for the facility IXCARM.
0	(0)	BITSTRING	0	IXCARMNOSAFAUTH	"X'0000016C" The installed security product indicated that user does not have authorized access to the IXCARM facility or the secure entity. The entity is made up of the element name and type.
0	(0)	BITSTRING	0	IXCARMPQCERROR	"X'0C000810" Unknown error in IXCA3PCQ routine.
		.... ....		IXCARMPPLACEHOLDERRC12	"X'00000000" placeholder

Comment

Reason codes associated with return code X'10'

		.... .1..		IXCARMARMERR	"X'00000004" The Automatic Restart Manager experienced an error while processing request. The request is rejected and issuer is deregistered.
		.... 1...		IXCARMUNKERR	"X'00000008" The Automatic Restart Manager experienced an error while processing request. Request is rejected but issuer is not deregistered.
		1.1.		IXCARMPCCERROR	"X'000000A0" Unknown error in IXCA3PCC routine.
		.... ....		IXCARMPPLACEHOLDERRC16	"X'00000000" placeholder

Comment

Constants for maximum length values

		....		IXCARMMAXEXITPLEN	"255" Maximum allowable length for Event Exit parameter list
0	(0)	X'FF'	0	IXCARMMAXSTARTTEXT	"126" Maximum allowable length for restart command text

IXCYARM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCARMADDRSPACEDUP	0	154	IXCARMDUPASSOC2	0	40C
IXCARMAMODE24	0	34	IXCARMELEMNAMEINUSE	0	150
IXCARMARMERR	0	4	IXCARMEXITLEN	0	15C
IXCARMBADJOB	0	164	IXCARMEXITNAME	0	160
IXCARMBADREADY	0	304	IXCARMEXITPARM	0	158
IXCARMBADREQUEST	0	108	IXCARMFDSERR1	0	C0
IXCARMBADTARGETELEM	0	408	IXCARMFDSERR2	0	C4
IXCARMBADTESTART	0	CC	IXCARMFDSERR3	0	C8
IXCARMBADVERSION	0	104	IXCARMHASEUTFRR	0	124
IXCARMBADWAITPRED	0	204	IXCARMHASLOCK	0	120
IXCARMBATCHSTARTTXT	0	14C	IXCARMINVANSADDR	0	18
IXCARMCANCELLED	0	138	IXCARMINVANSALLET	0	1C
IXCARMDUPASSOC1	0	404			

IXCYARM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCARMINVASYNCREQ	0	168	IXCARMRSVDRGFDS	0	4A8
IXCARMINVELEMBIND	0	16C	IXCARMRSVNOT0	0	5A8
IXCARMINVELEMNAME	0	2C	IXCARMRSVRDYFDS	0	40
IXCARMINVELEMTYPE	0	130	IXCARMRSVREGFDS	0	3A8
IXCARMINVEVENTEXIT	0	164	IXCARMRSVWTFPDS	0	1A8
IXCARMINVPLISTALET	0	100	IXCARMR0TYPECONFL	0	2A8
IXCARMINVRESTTIMEOUT	0	144	IXCARMSAFNOTDEFINED	0	A4
IXCARMINVRMTADDR	0	20	IXCARMSAVEFAIL	0	168
IXCARMINVRMTALET	0	24	IXCARMSELFASSOC	0	148
IXCARMINVR0	0	A0	IXCARMSTARTERR	0	414
IXCARMINVTERMTYPE	0	140	IXCARMSTARTLEN	0	110
IXCARMJOURNAL	0	12C	IXCARMUNAUTHEVENTEXIT	0	114
IXCARMMAXEXITPLEN	0	FF	IXCARMUNAUTHRMTOKEN	0	5BC
IXCARMMAXSTARTTEXT	0	7E	IXCARMUNAUTHSTARTTXT	0	5C4
IXCARMMAXUSERS	0	104	IXCARMUNAUTHSTARTTXT	0	5C0
IXCARMNEWJCL	0	108	IXCARMUNKERR	0	8
IXCARMNOARM	0	4	IXCARMWRONGADDRONREREG	0	5B4
IXCARMNOCDSDS	0	160	IXCARMWRONGCALLERTYPE	0	134
IXCARMNOESTAE	0	C	IXCARMWRONGELEMONREREG	0	5B0
IXCARMNOSAFAUTH	0	16C			
IXCARMNOTENABLED	0	11C			
IXCARMNOTREG	0	14			
IXCARMNOTTASKMODE	0	118			
IXCARMPARMERR	0	10C			
IXCARMPCCERROR	0	A0			
IXCARMPQCERROR	0	810			
IXCARMPERJCL	0	104			
IXCARMPLACEHOLDERRC12	0	0			
IXCARMPLACEHOLDERRC16	0	0			
IXCARMPLACEHOLDERRC4	0	0			
IXCARMPLACEHOLDERRC8	0	0			
IXCARMPREDTIMEOUT	0	204			
IXCARMRACRFail	0	13C			
IXCARMRC0	0	0			
IXCARMRC12	0	C			
IXCARMRC16	0	10			
IXCARMRC4	0	4			
IXCARMRC8	0	8			
IXCARMREADYTIMEOUT	0	304			
IXCARMREQUESTOVERLAP	0	30			
IXCARMREREGAFTERTIMOUT	0	5B8			
IXCARMRSN128X	0	128			
IXCARMRSVASSFDS					

IXCYCON Information

IXCYCON Programming Interface information

Programming Interface information

IXCYCON

End of Programming Interface information

IXCYCON Heading Information • IXCYCON Map

IXCYCON Heading Information

Common Name: Constants for users of IXC services
Macro ID: IXCYCON
DSECT Name:
Owning Component: Cross System Coupling Services (SCXCF)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Size: 0 bytes
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: Provides a list of constants for users of IXC services and exits.
 Refer to documentation of the relevant service/macro for explanations of the return/reason codes.

IXCYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	IXCRETCODEOK	"0"
0	(0)	X'4'	0	IXCRETCODEWARNING	"4"
0	(0)	X'8'	0	IXCRETCODEPARMERROR	"8"
0	(0)	X'C'	0	IXCRETCODEENVERROR	"12"
0	(0)	X'10'	0	IXCRETCODECOMPERROR	"16" Component error

Comment

 Constants for use with IXCARM service

Codes for IXCARM are defined in the IXCYARM macro

Constants for use with IXCCREAT service

IXCCREAT Reason codes for return code 4

End of Comment

.... IXCCREATRSNFIRSTMEMBER
 "X'00000000"

Comment

IXCCREAT Reason codes for return code 8

End of Comment

.... .1.. IXCCREATRSNALREADYCREATED
 "X'00000004"
 1... IXCCREATRSNISACTIVE
 "X'00000008"
 11.. IXCCREATRSNISQUIESCED
 "X'0000000C"
 ...1 IXCCREATRSNISFAILED
 "X'00000010"
 ...1 .1.. IXCCREATRSNGRPNAMBAD
 "X'00000014"
 ...1 1... IXCCREATRSNMEMNAMBAD
 "X'00000018"
 ..11 11.. IXCCREATRSNANSAREAINCOMPLETE
 "X'0000003C" For CreatRsnAnsAreaIncomplete, the high order halfword
 contains "xyy" which indicates the return code "xx" and reason code "yy" that
 would have been returned had the answer area been completely filled in.
 .1.. IXCCREATRSNPLISTRSDNOTVALID
 "X'00000040"
 0 (0) BITSTRING 0 IXCCREATRSNPLISTBADALET
 "X'00000100"
 0 (0) BITSTRING 0 IXCCREATRSNPLISTVERSIONNOTVALID
 "X'00000104"
 0 (0) BITSTRING 0 IXCCREATRSNPLISTBADFUNCTION

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCCREATRSNPLISTBADSTG	"X'00000108"
0	(0)	BITSTRING	0	IXCCREATRSNUSTATEBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCCREATRSNUSLENBADVALUE	"X'00000110"
0	(0)	BITSTRING	0	IXCCREATRSNNOTTASKMODE	"X'00000114"
0	(0)	BITSTRING	0	IXCCREATRSNNOTENABLED	"X'00000118"
0	(0)	BITSTRING	0	IXCCREATRSNFUNCDESCBAD	"X'0000011C"
0	(0)	BITSTRING	0		"X'0000012C"

Comment

IXCCREAT Reason codes for return code C

End of Comment

....	.1..	IXCCREATRSNMAXGROUPS	"X'00000004"
....	1...	IXCCREATRSNMAXMEMBERS	"X'00000008"
...1	....	IXCCREATRSNPARTITIONING	"X'00000010"
...1	.1..	IXCCREATRSNXCFLOCALMODE	"X'00000014"
...1	1...	IXCCREATRSNTASKABENDED	"X'00000018"

Comment

 Constants for use with IXCDELET service

IXCDELET Reason codes for return code 4

None

IXCDELET Reason codes for return code 8

End of Comment

....	.1..	IXCDELETRSNNOTDEFINED	"X'00000004"
....	1...	IXCDELETRSNNINAPPROPRIATESTATE	"X'00000008"
.1..	....	IXCDELETRSNNPLISTRSDNOTVALID	"X'00000040"
0	(0)	IXCDELETRSNNPLISTBADALET	"X'00000100"
0	(0)	IXCDELETRSNNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	IXCDELETRSNNPLISTBADFUNCTION	"X'00000108"
0	(0)	IXCDELETRSNNPLISTBADSTG	"X'0000010C"
0	(0)	IXCDELETRSNNOTTASKMODE	"X'00000118"
0	(0)	IXCDELETRSNNOTENABLED	"X'0000011C"

Comment

IXCDELET Reason codes for return code C

End of Comment

...1	1...	IXCDELETRSNTASKABENDED	"X'00000018"
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IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				

Constants for use with IXCJOIN service					

IXCJOIN Reason codes for return code 4					

End of Comment					
		.... .1..		IXCJOINRSNFIRSTACTIVEMEMBER	"X'00000004"
		.... 1...		IXCJOINRSNWASFAILED	"X'00000008"
		.... 11..		IXCJOINRSNWASQUIESCED	"X'0000000C"
		...1		IXCJOINRSNWASCREATED	"X'00000010"

IXCJOIN Reason codes for return code 8					

End of Comment					
		.... .1..		IXCJOINRSNISCREATED	"X'00000004"
		.... 1...		IXCJOINRSNISACTIVE	"X'00000008"
		.... 11..		IXCJOINRSNISQUIESCED	"X'0000000C"
		...1		IXCJOINRSNISFAILED	"X'00000010"
		...1 .1..		IXCJOINRSNGRPNAMBAD	"X'00000014"
		...1 1...		IXCJOINRSNMEMNAMEBAD	"X'00000018"
		...1 11..		IXCJOINRSNINTERVALBAD	"X'0000001C"
		..1.		IXCJOINRSNSTATFLDBADSTG	"X'00000020"
		..1. .1..		IXCJOINRSNLASTINGNEEDSMEMNAME	"X'00000024"
		..1. 1...		IXCJOINRSNSTATUSMONINCOMPLETE	"X'00000028"
		..11 11..		IXCJOINRSNANSAREAINCOMPLETE	"X'0000003C" For JoinRsnAnsAreaIncomplete, the high order halfword contains "xxy" which indicates the return code "xx" and reason code "yy" that would have been returned had the answer area been completely filled in.
		.1..		IXCJOINRSNPLISTRSDNOTVALID	"X'00000040"
		.1.. .1..		IXCJOINRSNMEMASSOCBAD	"X'00000044"
0	(0)	BITSTRING	0	IXCJOINRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCJOINRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCJOINRSNPLISTBADFUNCTION	"X'00000108"
0	(0)	BITSTRING	0	IXCJOINRSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCJOINRSNUSTATEBADSTG	"X'00000110"
0	(0)	BITSTRING	0	IXCJOINRSNUSLENBADVALUE	"X'00000114"
0	(0)	BITSTRING	0	IXCJOINRSNNOTTASKMODE	"X'00000118"
0	(0)	BITSTRING	0	IXCJOINRSNNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCJOINRSNPRIMARYNOTHOME	"X'00000120"
0	(0)	BITSTRING	0	IXCJOINRSNTASKTERM	"X'00000128"
0	(0)	BITSTRING	0	IXCJOINRSNFUNCDESCBAD	"X'0000012C"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IXCJOIN Reason codes for return code C					
					End of Comment
		.... .1..		IXCJOINRSNMAXGROUPS	"X'00000004"
		.... 1...		IXCJOINRSNMAXMEMBERS	"X'00000008"
		...1		IXCJOINRSNPARTITIONING	"X'00000010"
		...1 .1..		IXCJOINRSNXCFLOCALMODE	"X'00000014"
					Comment
----- Constants for use with IXCLEAVE service -----					
IXCLEAVE Reason codes for return code 4					
					End of Comment
		.... .1..		IXCLEAVERSNEXTSNOTPURGED	"X'00000004"
					Comment
IXCLEAVE Reason codes for return code 8					
					End of Comment
		.... .1..		IXCLEAVERSNNOTACTIVE	"X'00000004"
		.... 1...		IXCLEAVERSNNINAPPROPRIATEPRIMARY	"X'00000008"
		...1		IXCLEAVERSNNINAPPROPRIATESYSTEM	"X'00000010"
		.1..		IXCLEAVERSNNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCLEAVERSNNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCLEAVERSNNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCLEAVERSNNPLISTBADFUNCTION	"X'00000108"
0	(0)	BITSTRING	0	IXCLEAVERSNNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCLEAVERSNNUSTATEBADSTG	"X'00000110"
0	(0)	BITSTRING	0	IXCLEAVERSNNUSLENBADVALUE	"X'00000114"
0	(0)	BITSTRING	0	IXCLEAVERSNNOTTASKMODE	"X'00000118"
0	(0)	BITSTRING	0	IXCLEAVERSNNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCLEAVERSNNPRIMARYNOTHOME	"X'00000120"
					Comment
IXCLEAVE Reason codes for return code C					
					End of Comment
		...1 1...		IXCLEAVERSNTASKABENDED	"X'00000018"
					Comment
----- Constants for use with IXCMG service -----					
					End of Comment

IXCYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	IXCMGPLISTVER0	"0"
0	(0)	X'1'	0	IXCMGPLISTVER1	"1"
0	(0)	X'2'	0	IXCMGPLISTVER2	"2"
0	(0)	X'3'	0	IXCMGPLISTVER3	"3"
0	(0)	X'3'	0	IXCMGPLISTVERMAX	"3" always the highest supported version, value subject to change in future.

Comment

IXCMG Reason codes for return code 4

End of Comment

....	.1..	IXCMGRSNSTILLMOREDATA	"X'00000004"
....	1...	IXCMGRSNRESULTSPENDING	"X'00000008"
...1	....	IXCMGRSNCHECKRESULTS	"X'00000010"

Comment

IXCMG Reason codes for return code 8

End of Comment

...1	.1..	IXCMGRSNDATAAREATOOSMALL	"X'00000014"
...1	1...	IXCMGRSNDATAAREABADSTG	"X'00000018"
...1	11..	IXCMGRSNDATAAREABADALET	"X'0000001C"
.1..	....	IXCMGRSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	IXCMGRSNPLISTBADALET	"X'00000100"
0	(0)	IXCMGRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	IXCMGRSNPLISTBADFUNCTION	"X'00000108"
0	(0)	IXCMGRSNPLISTBADSTG	"X'0000010C"
0	(0)	IXCMGRSNPLISTBADAMDALEVEL	"X'00000110"
0	(0)	IXCMGRSNPLISTBADMEMTOKEN	"X'00000114"
0	(0)	IXCMGRSNPLISTBADSYSID	"X'00000118"
0	(0)	IXCMGRSNNOTENABLED	"X'0000011C"
0	(0)	IXCMGRSNPLISTBADREQTOKEN	"X'00000120"
0	(0)	IXCMGRSNPLISTBADTIMEOUT	"X'00000124"
0	(0)	IXCMGRSNECBBADSTG	"X'00000128"
0	(0)	IXCMGRSNLOCKHELD	"X'0000012C"
0	(0)	IXCMGRSNPLISTBADGROUP	"X'00000130"
0	(0)	IXCMGRSNPLISTBADECBPTR	"X'00000134"
0	(0)	IXCMGRSNPLISTBADTYPE	"X'00000138"

Comment

IXCMG Reason codes for return code C

End of Comment

....	.1..	IXCMGRSNNEEDSOFTWARE	
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
	 1...		IXCMGRSNNEEDRESOURCES	"X'00000004"
		.... 11..		IXCMGRSNSYSTEMNOTACTIVE	"X'00000008"
		...1		IXCMGRSNSYSTEMNOTREADY	"X'0000000C"
		...1 .1..		IXCMGRSNNEEDNEWREQUEST	"X'00000010"
					"X'00000014"

----- Comment -----

 Constants for use with IXCMOD service

IXCMOD Reason codes for return code 4
 None
 IXCMOD Reason codes for return code 8

----- End of Comment -----

		.... .1..		IXCMODRSNNOTACTIVE	"X'00000004"
		.... 1...		IXCMODRSNNOSTATUSMON	"X'00000008"
		.... 11..		IXCMODRSNINTERVALBAD	"X'0000000C"
		...1		IXCMODRSNINAPPROPRIATECALLER	"X'00000010"
		.1..		IXCMODRSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCMODRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCMODRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCMODRSNPLISTBADFUNCTION	"X'00000108"
0	(0)	BITSTRING	0	IXCMODRSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCMODRSNNOTTASKMODE	"X'00000118"
0	(0)	BITSTRING	0	IXCMODRSNNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCMODRSNPRIMARYNOTHOME	"X'00000120"

----- Comment -----

IXCMOD Reason codes for return code C

----- End of Comment -----

		...1 1...		IXCMODRSNTASKABENDED	"X'00000018"
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----- Comment -----

 Constants for use with IXCMSGC service

Codes for IXCMSGC are defined in the IXCYMSGC macro

 Constants for use with IXCMSGI service

IXCMSGI Reason codes for return code 4

----- End of Comment -----

0	(0)	BITSTRING	0	IXCMSGIRSNSTILLMOREDATA	"X'00000224"
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----- Comment -----

IXCMSGI Reason codes for return code 8

----- End of Comment -----

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		IXCMGIRSNMSGBUFBADSTG	"X'00000004"
		.... 1...		IXCMGIRSNMSGALREADYDELIVERED	"X'00000008"
		.... 1..1		IXCMGIRSNMEMBERNOTACTIVE	"X'00000009"
		.... 11..		IXCMGIRSNMSGBUFBADALET	"X'0000000C"
		.1..		IXCMGIRSNPLISTRSDNOTVALID	"X'00000040"
		.1.. .1..		IXCMGIRSNMSGTOKENNOTVALID	"X'00000044"
		.1.. .1.1		IXCMGIRSNUSETOKENKEYWORD	"X'00000045"
0	(0)	BITSTRING	0	IXCMGIRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCMGIRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCMGIRSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCMGIRSNMSGBUFSTGKEYMISMATCH	"X'0000020C"
0	(0)	BITSTRING	0	IXCMGIRSNMSGBUFPAGEPROTECT	"X'0000020D"
0	(0)	BITSTRING	0	IXCMGIRSNPARTPTROFFBADSTG	"X'00000210"
0	(0)	BITSTRING	0	IXCMGIRSNELEMENTBADALET	"X'00000212"
0	(0)	BITSTRING	0	IXCMGIRSNNEXTPTROFFBADSTG	"X'00000213"
0	(0)	BITSTRING	0	IXCMGIRSN#MSGPARTSZERO	"X'00000214"
0	(0)	BITSTRING	0	IXCMGIRSNTOOMANYZEROLENPARTS	"X'00000215"
0	(0)	BITSTRING	0	IXCMGIRSNPARTPTROFF@BADSTG	"X'00000218"
0	(0)	BITSTRING	0	IXCMGIRSNPARTOFFBADSTG	"X'00000219"
0	(0)	BITSTRING	0	IXCMGIRSNPARTPTROFF@PAGEPROTECT	"X'0000021A"
0	(0)	BITSTRING	0	IXCMGIRSNPARTOFFPAGEPROTECT	"X'0000021B"
0	(0)	BITSTRING	0	IXCMGIRSNPARTPTROFF@KEYMISMATCH	"X'0000021C"
0	(0)	BITSTRING	0	IXCMGIRSNPARTOFFKEYMISMATCH	"X'0000021D"
0	(0)	BITSTRING	0	IXCMGIRSNPARTLENTBLBADSTG	"X'00000220"
0	(0)	BITSTRING	0	IXCMGIRSNPARTLENTBLNOTWORDBDY	"X'00000221"
0	(0)	BITSTRING	0	IXCMGIRSNPARTLENTBLBADALET	"X'00000222"
0	(0)	BITSTRING	0	IXCMGIRSNPARTLENOFFBADSTG	"X'00000223"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALETTLBADSTG	"X'00000230"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALETTLNOTWORDBDY	"X'00000231"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALETTLBADALET	"X'00000232"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALETOFFBADSTG	"X'00000233"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALET@BADALET	"X'00000234"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALETTL@BADALET	"X'00000235"
0	(0)	BITSTRING	0	IXCMGIRSNPARTALETOFF@BADALET	"X'00000236"
0	(0)	BITSTRING	0	IXCMGIXRSNSTARTOFFSETBADVALUE	"X'00000237"
0	(0)	BITSTRING	0	IXCMGIRSNPLISTNOPARTINFOBADSTG	"X'010C0000" For PlistNoPartInfoBadStg, the low order halfword contains the rsnocode that would have been returned if the part info was stored successfully. Zero the lower halfword of the rsnocode before comparing to this constant.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					

Constants for use with IXCMSSGO service					

End of Comment					
0	(0)	X'1'	0	IXCMSSGOMINTIMEOUT	"1" min timeout
0	(0)	X'7FFF'	0	IXCMSSGOMAXTIMEOUT	"32767" max timeout (32767)
Comment					
IXCMSSGO Reason codes for return code 4					
End of Comment					
0	(0)	BITSTRING	0	IXCMSSGORSNSENDPENDING	"X'00000401"
0	(0)	BITSTRING	0	IXCMSSGORSNBCEPENDINGNOJECTS	"X'00000402"
0	(0)	BITSTRING	0	IXCMSSGORSNBCEPENDINGWITHREJECTS	"X'00000403"
0	(0)	BITSTRING	0	IXCMSSGORSNBCCOMPLETETHREJECTS	"X'00000404"
0	(0)	BITSTRING	0	IXCMSSGORSNRETMSSGOTOKENNOACCESS	"X'04050000" For MsgoTokenNoAccess, the low order halfword contains the rsnocode that would have been returned if the token was stored successfully. Zero the lower halfword of the rsnocode before comparing to this constant.
0	(0)	BITSTRING	0	IXCMSSGORSNASYNCESENDPENDING	"X'00000410"
Comment					
IXCMSSGO Reason codes for return code 8					
End of Comment					
		.... .1..		IXCMSSGORSNSENDERNOTVALID	"X'00000004"
		.... 1...		IXCMSSGORSNTARGETNOTVALID	"X'00000008"
		.... 11..		IXCMSSGORSNMSGLENNOTVALID	"X'0000000C"
		...1		IXCMSSGORSNMSGBUFBADSTG	"X'00000010"
		...1 .1..		IXCMSSGORSNMSGCNTLBADALET	"X'00000014"
		...1 1...		IXCMSSGORSNMSGCNTLBADSTG	"X'00000018"
		...1 11..		IXCMSSGORSNTARGETNOMSGEXIT	"X'0000001C"
		.1..		IXCMSSGORSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCMSSGORSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCMSSGORSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCMSSGORSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCMSSGORSNPLISTNOPARTINFOBADSTG	"X'010C0000" For PlistNoPartInfoBadStg, the low order halfword contains the rsnocode that would have been returned if the part info was stored successfully. Zero the lower halfword of the rsnocode before comparing to this constant.
0	(0)	BITSTRING	0	IXCMSSGORSNNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCMSSGORSNLOCKHELD	"X'0000012C"
0	(0)	BITSTRING	0	IXCMSSGORSNMSGBUFBADALET	"X'00000208"
0	(0)	BITSTRING	0	IXCMSSGORSNMSGBUFKEYMISMATCH	"X'0000020C"
0	(0)	BITSTRING	0	IXCMSSGORSNPARTPTROFFBADSTG	

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCMGORSNELEMENTBADALET	"X'00000210"
0	(0)	BITSTRING	0	IXCMGORSNNEXTPTROFFBADSTG	"X'00000212"
0	(0)	BITSTRING	0	IXCMGORSN#MSGPARTSZERO	"X'00000213"
0	(0)	BITSTRING	0	IXCMGORSNTOOMANYZEROLENPARTS	"X'00000214"
0	(0)	BITSTRING	0	IXCMGORSNPARTPTROFF@BADSTG	"X'00000215"
0	(0)	BITSTRING	0	IXCMGORSNPARTOFFBADSTG	"X'00000218"
0	(0)	BITSTRING	0	IXCMGORSNPARTPTROFF@KEYMISMATCH	"X'00000219"
0	(0)	BITSTRING	0	IXCMGORSNPARTOFFKEYMISMATCH	"X'0000021C"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENTBLBADSTG	"X'0000021D"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENTBLNOTWORDBDY	"X'00000220"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENTBLBADALET	"X'00000221"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENOFFBADSTG	"X'00000222"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENOFFBADSTG	"X'00000223"
0	(0)	BITSTRING	0	IXCMGORSNMSGLENGTSUMPARTLEN	"X'00000224"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENBADLEN	"X'00000225"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENTBLBADLEN	"X'00000226"
0	(0)	BITSTRING	0	IXCMGORSNPARTLENOFFBADLEN	"X'00000227"
0	(0)	BITSTRING	0	IXCMGORSNPARTALETTBLBADSTG	"X'00000230"
0	(0)	BITSTRING	0	IXCMGORSNPARTALETTBLNOTWORDBDY	"X'00000231"
0	(0)	BITSTRING	0	IXCMGORSNPARTALETTBLBADALET	"X'00000232"
0	(0)	BITSTRING	0	IXCMGORSNPARTALETOFFBADSTG	"X'00000233"
0	(0)	BITSTRING	0	IXCMGORSNPARTALET@BADALET	"X'00000234"
0	(0)	BITSTRING	0	IXCMGORSNPARTALETTBL@BADALET	"X'00000235"
0	(0)	BITSTRING	0	IXCMGORSNPARTALETOFF@BADALET	"X'00000236"
0	(0)	BITSTRING	0	IXCMGORSNSENDERNONOTIFYEXIT	"X'00000300"
0	(0)	BITSTRING	0	IXCMGORSNTARGETSBADALET	"X'00000304"
0	(0)	BITSTRING	0	IXCMGORSNRETMSGOTOKENBADALET	"X'00000308"
0	(0)	BITSTRING	0	IXCMGORSNBADRESPONSEID	"X'0000030C"
0	(0)	BITSTRING	0	IXCMGORSNBADSTREAMID	"X'00000310"
0	(0)	BITSTRING	0	IXCMGORSNTARGETSBADSTG	"X'00000314"
0	(0)	BITSTRING	0	IXCMGORSNBAD#TARGETS	"X'00000320"
0	(0)	BITSTRING	0	IXCMGORSNBADTIMEOUT	"X'00000324"
0	(0)	BITSTRING	0	IXCMGORSNTARGETMAXMSGLEN61K	"X'00000340"
0	(0)	BITSTRING	0	IXCMGORSNSENDERBECAMEINACTIVE	"X'00000344"
0	(0)	BITSTRING	0	IXCMGORSNBADSENDDTIME	"X'00000348"
0	(0)	BITSTRING	0	IXCMGORSNSENDTIMEEXPIRED	"X'0000034C"
0	(0)	BITSTRING	0	IXCMGORSNPAUSEENVERROR	"X'00000350"
0	(0)	BITSTRING	0	IXCMGORSNRESOURCEMGRCALLING	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCMGGOXRSNBADFILTERGROUP	"X'00000354" "X'00000358"
Comment					
IXCMGGO Reason codes for return code 12					
End of Comment					
	....	.1..		IXCMGORSNNOBUFFER	"X'00000004"
	....	1...		IXCMGORSNNOPATH	"X'00000008"
	....	11..		IXCMGORSNNOMSGSPACE	"X'0000000C"
	...1	....		IXCMGORSNSYSTEMNOSTORAGE	"X'00000010"
	...1	.1..		IXCMGORSNNOBUFFERNOTQUEUED	"X'00000014"
	...1	1...		IXCMGORSNNOPATHNOTQUEUED	"X'00000018"
	...1	11..		IXCMGORSNMSPENDINGMUSTQUEUE	"X'0000001C"
	..1.	....		IXCMGORSNDUALFULL	"X'00000020"
	..1.	.1..		IXCMGORSNDUALNOSTORAGE	"X'00000024"
	..1.	1...		IXCMGORSNDUALNOTSUITABLE	"X'00000028"
	..1.	11..		IXCMGGOXRSNALLOCAPAUSEELEMERROR	"X'0000002C"
	..11	....		IXCMGGOXRSNFORCECOMPLETION	"X'00000030"
	..11	.1..		IXCMGGOXRSNRELEASEMSG	"X'00000034"
	..11	11..		IXCMGGOXRSNDISCARDMSG	"X'00000036"
	..11	1...		IXCMGGOXRSNASYNCSYNCSUSPENDABEND	"X'00000038"
Comment					
----- Constants for use with IXCQUERY service ----- Codes for IXCQUERY are defined in the IXCYQUAA macro ----- Constants for use with IXCQUIES service ----- IXCQUIES Reason codes for return code 4					
End of Comment					
	....	.1..		IXCQUIESRSNEXITSNOTPURGED	"X'00000004"
Comment					
IXCQUIES Reason codes for return code 8					
End of Comment					
	....	.1..		IXCQUIESRSNNOTACTIVE	"X'00000004"
	....	1...		IXCQUIESRSNINAPPROPRIATEPRIMARY	"X'00000008"
	....	11..		IXCQUIESRSNNOTLASTING	"X'0000000C"
	...1	....		IXCQUIESRSNINAPPROPRIATESYSTEM	"X'00000010"
	..1.	....		IXCQUIESRSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCQUIESRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCQUIESRSNPLISTVERSIONNOTVALID	

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCQUIESRSNPLISTBADFUNCTION	"X'00000104"
0	(0)	BITSTRING	0	IXCQUIESRSNPLISTBADSTG	"X'00000108"
0	(0)	BITSTRING	0	IXCQUIESRSNUSTATEBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCQUIESRSNUSLENBADVALUE	"X'00000110"
0	(0)	BITSTRING	0	IXCQUIESRSNNOTTASKMODE	"X'00000114"
0	(0)	BITSTRING	0	IXCQUIESRSNNOTENABLED	"X'00000118"
0	(0)	BITSTRING	0	IXCQUIESRSNPRIMARYNOTHOME	"X'0000011C"
0	(0)	BITSTRING	0	IXCQUIESRSNPRIMARYNOTHOME	"X'00000120"
Comment					
IXCQUIES Reason codes for return code C					
End of Comment					
	...1	1...		IXCQUIESRSNTASKABENDED	"X'00000018"
Comment					
----- Constants for use with IXCSETUS service -----					
IXCSETUS Reason codes for return code 4					
End of Comment					
	....	.1..		IXCSETUSRSNNOCHANGEOLDEQNEW	"X'00000004"
	....	1...		IXCSETUSRSNNOCHANGEOLDNECOMPUS	"X'00000008"
Comment					
IXCSETUS Reason codes for return code 8					
End of Comment					
	....	.1..		IXCSETUSRSNNOTACTIVE	"X'00000004"
	....	1...		IXCSETUSRSNINAPPROPRIATEPRIMARY	"X'00000008"
	....	11..		IXCSETUSRSNTARGETDIFFERENTGROUP	"X'0000000C"
	...1	....		IXCSETUSRSNTARGETNOTVALID	"X'00000010"
	...1	.1..		IXCSETUSRSNOLDUSALETNOTPRIMARY	"X'00000014"
	...1	1...		IXCSETUSRSNOLDUSBADSTGNOTCOMMON	"X'00000018"
	..1.	1...		IXCSETUSRSNOLDUSBADALET	"X'00000028"
	..11	11..		IXCSETUSRSNOLDUSINCOMPLETE	"X'0000003C" For SetusRsnOldusIncomplete, the high order halfword contains "xxyy" which indicates the return code "xx" and reason code "yy" that would have been returned had the OLDUS area been completely filled in.
	.1..	....		IXCSETUSRSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCSETUSRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCSETUSRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCSETUSRSNPLISTBADFUNCTION	"X'00000108"
0	(0)	BITSTRING	0	IXCSETUSRSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCSETUSRSNNEWUSNOTACCESSIBLE	"X'00000110"
0	(0)	BITSTRING	0	IXCSETUSRSNUSLENBADVALUE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	0	IXCSETUSRSNNOTTASKMODE	"X'00000114"
0	(0)	BITSTRING	0	IXCSETUSRSNNOTENABLED	"X'00000118"
0	(0)	BITSTRING	0	IXCSETUSRSNCOMPUSNOTACCESSIBLE	"X'0000011C"
					"X'00000124"
Comment					
IXCSETUS Reason codes for return code C					
End of Comment					
	...	1..		IXCSETUSRSNTASKBENDE	"X'00000018"
Comment					
----- Constants for use with IXCSYSCL service -----					
IXCSYSCL Reason codes for return code 4					
None					
IXCSYSCL Reason codes for return code 8					
End of Comment					
		....	.1..	IXCSYSCLRSNNOTACTIVE	"X'00000004"
		....	1..	IXCSYSCLRSNINAPPROPRIATEPRIMARY	"X'00000008"
		....	11..	IXCSYSCLRSNSYSCLEANUPMEMNO	"X'0000000C"
		...1	....	IXCSYSCLRSNFAILEDSYSNOTVALID	"X'00000010"
		.1..	....	IXCSYSCLRSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCSYSCLRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCSYSCLRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCSYSCLRSNPLISTBADFUNCTION	"X'00000108"
0	(0)	BITSTRING	0	IXCSYSCLRSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCSYSCLRSNNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCSYSCLRSNLOCKHELD	"X'0000012C"
Comment					
IXCSYSCL Reason codes for return code C					
None					
----- Constants for use with IXCTERM service -----					
IXCTERM Reason codes for return code 4					
None					
IXCTERM Reason codes for return code 8					
End of Comment					
		....	.1..	IXCTERMRSNNOTACTIVE	"X'00000004"
		....	1..	IXCTERMRSNINAPPROPRIATEPRIMARY	"X'00000008"
		....	11..	IXCTERMRSNTARGETNOTACTIVE	"X'0000000C"
		...1	....	IXCTERMRSNTARGETNOTDEFINED	"X'00000010"
		...1	.1..	IXCTERMRSNTARGETDIFFERENTGROUP	"X'00000014"
		...1	1..	IXCTERMRSNTARGETNOTVALID	"X'00000018"

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1 11..		IXCTERMRSNMEMTOKENNOTVALID	"X'0000001C"
		.1..		IXCTERMRSNPLISTRSDNOTVALID	"X'00000040"
0	(0)	BITSTRING	0	IXCTERMRSNPLISTBADALET	"X'00000100"
0	(0)	BITSTRING	0	IXCTERMRSNPLISTVERSIONNOTVALID	"X'00000104"
0	(0)	BITSTRING	0	IXCTERMRSNPLISTBADFUNCTION	"X'00000108"
0	(0)	BITSTRING	0	IXCTERMRSNPLISTBADSTG	"X'0000010C"
0	(0)	BITSTRING	0	IXCTERMRSNNOTTASKMODE	"X'00000118"
0	(0)	BITSTRING	0	IXCTERMRSNNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCTERMRSNTARGETNOTMEMASSOCTASK	"X'00000120"

Comment

IXCTERM Reason codes for return code C
None

Constants for use with IXXCDSI service

End of Comment

0	(0)	X'4'	0	IXXCDSIRETCODELOSTLOCK	"4" Serialization lost
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Comment

IXXCDSI Reason codes for return code IxcxcdsiRetCodeLostLock
None

IXXCDSI Reason codes for return code IxcRetCodeParmError

End of Comment

		.... 11..		IXXCDSIRSNDATAAREATOOSMALL	"X'0000000C" DAIO too small for data being read or written
		..1.		IXXCDSIRSNBADRECORDTYPE	"X'00000020" Target record or subrecord does not exist

Comment

Constants for use with IXCSEND interface

Constants for use with IXCSEND interface

End of Comment

0	(0)	X'1'	0	IXCSENDMINSENDTIME	"1" min SENDTIME
0	(0)	X'E10'	0	IXCSENDMAXSENDTIME	"3600" max SENDTIME
0	(0)	X'1'	0	IXCSENDMINRESPTIME	"1" min RESPTIME
0	(0)	X'E10'	0	IXCSENDMAXRESPTIME	"3600" max RESPTIME
0	(0)	X'0'	0	IXCSENDMINHOLDTIME	"0" min HOLDTIME
0	(0)	X'E10'	0	IXCSENDMAXHOLDTIME	"3600" max HOLDTIME
0	(0)	X'400000'	0	IXCSENDMAXMSGLEN	"104857600" max Msglen

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
IXCSEND Reason codes for return code IxcRetCodeWarning (4)					
IXCSEND Reason codes for return code IxcRetCodeParmError (8)					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADSTGPLIST	"X'00010004"
Comment					
ixcsendRsnBadStgParameters Bit(32) Constant('00020004'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADSTGSERVER	"X'00030004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGSERVERID	"X'00040004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGMSGDATA	"X'00050004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGMSGDESC	"X'00060004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGRETMSGTOKEN	"X'00070004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGDESCRIPTION	"X'00080004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGMSGCNTL	"X'00090004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGRESPTOKEN	"X'000A0004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGSYSNAMES	"X'000B0004"
0	(0)	BITSTRING	0	IXSENDRSNBADSTGSYSIDS	"X'000C0004"
Comment					
available Bit(32) Constant('000D0004'x),					
available Bit(32) Constant('000E0004'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADSTGCRITERIA	"X'000F0004"
Comment					
available Bit(32) Constant('00100004'x),					
00xx0008 ALET of storage area identified by xx					
is not valid.					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADALETPLIST	"X'00010008"
Comment					
ixcsendRsnBadAletParameters Bit(32) Constant('00020008'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADALETSERVER	"X'00030008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETSERVERID	"X'00040008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETMSGDATA	"X'00050008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETMSGDESC	"X'00060008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETRETMSGTOKEN	"X'00070008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETDESCRIPTION	"X'00080008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETMSGCNTL	

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXSENDRSNBADALETRESPTOKEN	"X'00090008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETSYSNAMES	"X'000A0008" "X'000B0008"
0	(0)	BITSTRING	0	IXSENDRSNBADALETSYSIDS	"X'000C0008"
Comment					
ixcsendRsnBadAletReplyServer Bit(32) Constant('000D0008'x), ixcsendRsnBadAletReplyServerID Bit(32) Constant('000E0008'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADALETCRITERIA	"X'000F0008"
Comment					
ixcsendRsnBadAletReplyCriteria Bit(32) Constant('00100008'x), 00xx000C Value specified for keyword xx is not valid					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADVALMSGLEN	"X'0001000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALSENDER	"X'0002000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALDESCRIPTION	"X'0003000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALSERVER	"X'0004000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALMAXLEVEL	"X'0005000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALFEATURES	"X'0006000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALTTOKEN	"X'0007000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALSYSNAME	"X'0008000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALEXPECTREPLY	"X'0009000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALSERVERID	"X'000A000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALSENDTIME	"X'000B000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALRESPTIME	"X'000C000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALHOLDTIME	"X'000D000C"
0	(0)	BITSTRING	0	IXSENDRSNTTOKENTASKTERM	"X'000E000C"
0	(0)	BITSTRING	0	IXSENDRSNBADTTOKENMASTERAS	"X'000F000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALRESPTOKEN	"X'0010000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALRECVBIND	"X'0011000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVAL#SYSTEMS	"X'0012000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALWILDCARDONE	"X'0013000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALLENMDENTRY	"X'0014000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALMSGSTGKEY	"X'0015000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALWILDCARDANY	"X'0016000C"
0	(0)	BITSTRING	0	IXSENDRSNBADSERVERREQMSGLEN	"X'0017000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALWILDCARDSSAME	"X'0018000C"
0	(0)	BITSTRING	0	IXSENDRSNBADVALSTOKEN	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXSENDRSNBADVALLENSYSENTRY	"X'0019000C" "X'001A000C"
Comment					
00xx0018 Indicated content of IXSEND parameter list is not valid.					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTVERSION	"X'00010018"
Comment					
ixcsendRsnBadPlistService Bit(32) Constant('00020018'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTTARGET	"X'00030018"
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTLEN	"X'00040018"
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTRSD	"X'00050018"
Comment					
ixcsendRsnBadPlistRequest Bit(32) Constant('00060018'x), ixcsendRsnBadPlistResponse Bit(32) Constant('00070018'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTSYSTEMS	"X'00080018"
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTRECVBIND	"X'00090018"
Comment					
available Bit(32) Constant('000A0018'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTTARGSERVER	"X'000B0018"
Comment					
available Bit(32) Constant('000C0018'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADPLISTCRITERIA	"X'000D0018"
Comment					
ixcsendRsnBadPlistReplyCrit Bit(32) Constant('000E0018'x),					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADCRITERIAVERSION	"X'000F0018"
Comment					
ixcsendRsnBadReplyCritVers Bit(32) Constant('00100018'x), 00xx00EE Request rejected due to the indicated environmental error.					
End of Comment					
0	(0)	BITSTRING	0	IXSENDRSNBADENVNOTENABLED	"X'000100EE"
0	(0)	BITSTRING	0	IXSENDRSNBADENVLOCKED	"X'000200EE"
0	(0)	BITSTRING	0	IXSENDRSNNORETMSGTOKEN	"X'000300EE"

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXSENDRSNBADENVRESOURCEMGR	"X'000400EE"
0	(0)	BITSTRING	0	IXSENDRSNNOOUTSTANDINGRESP	"X'000500EE"
0	(0)	BITSTRING	0	IXSENDRSNBADENVPAUSESRSB	"X'000600EE"
0	(0)	BITSTRING	0	IXSENDRSNSYSTEMNOTACTIVE	"X'000700EE"
0	(0)	BITSTRING	0	IXSENDRSNNOTTARGETSYSTEMS	"X'000800EE"

Comment

IXSEND Reason codes for return code IxcRetCodeEnvError (C)

End of Comment

0	(0)	BITSTRING	0	IXSENDRSNALESERVADDFAILED	"X'000100CE"
0	(0)	BITSTRING	0	IXSENDRSNSYSTEMRESOURCES	"X'000200CE"
0	(0)	BITSTRING	0	IXSENDRSNDOWNLEVELSYSTEM	"X'000300CE"
0	(0)	BITSTRING	0	IXSENDRSNENVSENDTIMEEXP	"X'000400CE"
0	(0)	BITSTRING	0	IXSENDRSNFORCECOMPLETION	"X'000500CE"
0	(0)	BITSTRING	0	IXSENDRSNRELEASEMSG	"X'000600CE"
0	(0)	BITSTRING	0	IXSENDRSNDISCARDMSG	"X'000700CE"
0	(0)	BITSTRING	0	IXSENDRSNASYNBENDSENDING	"X'000800CE"
0	(0)	BITSTRING	0	IXSENDRSNENVRESPTIMEEXP	"X'000900CE"

Comment

IXSEND Reason codes for return code IxcRetCodeCompError (10x)

End of Comment

0	(0)	BITSTRING	0	IXSENDRSNUNKNOWNSENDFAILURE	"X'000100FF"
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Comment

 Constants for use with IXCREQ interface

IXCREQ Reason codes for return code IxcRetCodeWarning (4)

IXCREQ Reason codes for return code IxcRetCodeParmError (8)

End of Comment

0	(0)	BITSTRING	0	IXCREQRSNNOREQUESTDATA	"X'0001000C"
0	(0)	BITSTRING	0	IXCREQRSNBADDATASIZE	"X'0002000C"
0	(0)	BITSTRING	0	IXCREQRSNBADVALQUERYINFO	"X'0003000C"
0	(0)	BITSTRING	0	IXCREQRSNBADVALSERVER	"X'0004000C"
0	(0)	BITSTRING	0	IXCREQRSNBADVALMSGCNTL	"X'0005000C"
0	(0)	BITSTRING	0	IXCREQRSNOTHERSYSSERVERID	"X'0006000C"
0	(0)	BITSTRING	0	IXCREQRSNBADSENDERFUNCTION	"X'0007000C"
0	(0)	BITSTRING	0	IXCREQRSNBADVALSERVERID	"X'000A000C"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
00xx0018 Indicated content of IXCREQ parameter list is not valid.					
End of Comment					
0	(0)	BITSTRING	0	IXCREQRSNBADPLISTVERSION	"X'00010018"
0	(0)	BITSTRING	0	IXCREQRSNBADPLISTREQUEST	"X'00020018"
0	(0)	BITSTRING	0	IXCREQRSNBADPLISTLEN	"X'00040018"
0	(0)	BITSTRING	0	IXCREQRSNBADPLISTRVSD	"X'00050018"
Comment					
IXCREQ Reason codes for return code IxcRetCodeEnvError (C)					
00xx00EE Request rejected due to the indicated environmental error.					
End of Comment					
0	(0)	BITSTRING	0	IXCREQRSNTOOMUCHDATA	"X'000100EE"
Comment					
00xx00CE Request rejected due to the indicated environmental error.					
End of Comment					
0	(0)	BITSTRING	0	IXCREQRSNSYSTEMRESOURCES	"X'000100CE"
Comment					
IXCREQ Reason codes for return code IxcRetCodeCompError (10x)					

Constants for use with IXCSRVR interface					

End of Comment					
0	(0)	X'1'	0	IXCSRVRREQTYPESTART	"1" REQTYPE=START
0	(0)	X'2'	0	IXCSRVRREQTYPESTOP	"2" REQTYPE=STOP
0	(0)	X'1'	0	IXCSRVRMINFDI	"1" min valid FDI
0	(0)	X'E10'	0	IXCSRVRMAXFDI	"3600" max valid FDI
Comment					
IXCSRVR Reason codes for return code IxcRetCodeWarning (4)					
End of Comment					
		.... .1		IXCSRVRRSNSTOPPED	"X'00000001"
		.... .1.		IXCSRVRRSNEXITFAILURE	"X'00000002"
		.... .1..		IXCSRVRRSNNOSEVER	"X'00000004"
Comment					
IXCSRVR Reason codes for return code IxcRetCodeParmError (8)					
End of Comment					
		.... .1		IXCSRVRRSNPLISTBADSTG	"X'00000001"
		.... .1.		IXCSRVRRSNPLISTBADALET	"X'00000002"

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..11		IXCSRVRRSNPLISTBADRSVD	"X'00000003"
		.... ..1.		IXCSRVRRSNPLISTBADVERSION	"X'00000004"
		.... ..1.1		IXCSRVRRSNPLISTBADREQTYPE	"X'00000005"
		.... ..11.		IXCSRVRRSNEXITFAILED	"X'00000006"
		.... ..111		IXCSRVRRSNSERVERBADSTG	"X'00000007"
		.... 1...		IXCSRVRRSNSERVERBADALET	"X'00000008"
		.... 1..1		IXCSRVRRSNSERVERBADNAME	"X'00000009"
		.... 1.1.		IXCSRVRRSNDESCBADSTG	"X'0000000A"
		.... 1.11		IXCSRVRRSNDESCBADALET	"X'0000000B"
		.... 11..		IXCSRVRRSNDESCBADDESC	"X'0000000C"
		.... 11.1		IXCSRVRRSNINFOBADSTG	"X'0000000D"
		.... 111.		IXCSRVRRSNINFOBADALET	"X'0000000E"
		.... 1111		IXCSRVRRSNFEATURESBADLEVEL	"X'0000000F"
		...1		IXCSRVRRSNLEVELBADMAX	"X'00000010"
		...1 ...1		IXCSRVRRSNCLIENTBADMAX	"X'00000011"
		...1 ..1.		IXCSRVRRSNFDIBADVALUE	"X'00000012"
		...1 ..11		IXCSRVRRSNRESPINDBADVALUE	"X'00000013"
		...1 ..1..		IXCSRVRRSNSERVERIDBADVALUE	"X'00000014"
		...1 ..1.1		IXCSRVRRSNSERVERIDBADSYSYEM	"X'00000015"
		...1 ..11.		IXCSRVRRSNDDTBADSTG	"X'00000016"
		...1 ..111		IXCSRVRRSNDDTBADALET	"X'00000017"
		...1 1...		IXCSRVRRSNWORKAREATOOFW	"X'00000018"
		...1 1..1		IXCSRVRRSNWORKAREATOOSMALL	"X'00000019"
		...1 1.1.		IXCSRVRRSNWORKAREABADSTG	"X'0000001A"
		...1 1.11		IXCSRVRRSNWORKAREABADALET	"X'0000001B"
		...1 11..		IXCSRVRRSNMODEBADVALUE	"X'0000001C"
		...1 11.1		IXCSRVRRSNSERVERIDBADSTG	"X'0000001D"
		...1 111.		IXCSRVRRSNSERVERIDBADALET	"X'0000001E"
		...1 1111		IXCSRVRRSNSCOPEBADVALUE	"X'0000001F"
		..1.		IXCSRVRRSN#SERVERSBADVALUE	"X'00000020"
		..1. ...1		IXCSRVRRSNXCFSERVER	"X'00000021"
		..1. ..1.		IXCSRVRRSNSXPLRSVD	"X'00000022"
		..1. ..11		IXCSRVRRSNSXPLWADRSVD	"X'00000023"
		..1. ..1..		IXCSRVRRSNSXPLRESPBIND	"X'00000024"
		..1. ..1.1		IXCSRVRRSNSXPLREFUSALCODE	"X'00000025"
		..1. ..11.		IXCSRVRRSNSXPLSTOPCODE	"X'00000026"
		..1. ..111		IXCSRVRRSNSXPLRESULTCODE	"X'00000027"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1. 1..		IXCSRVRNSXPLMIXEDRESULT	"X'00000028"
		.1.1 .111		IXCSRVRNSNHASFRF	"X'00000057"
		.111 .11.		IXCSRVRNSNLOCKED	"X'00000076"
		1... 1.1.		IXCSRVRNSNBADASC	"X'0000008A"
		1.1. .1..		IXCSRVRNSNREQTYPECONFLICT	"X'000000A4"
0	(0)	BITSTRING	0	IXCSRVRNSNNOTTASKMODE	"X'00000118"
0	(0)	BITSTRING	0	IXCSRVRNSNOTENABLED	"X'0000011C"
0	(0)	BITSTRING	0	IXCSRVRNSNXMEM	"X'00000120"
0	(0)	BITSTRING	0	IXCSRVRNSNONLYONE	"X'00000127"
0	(0)	BITSTRING	0	IXCSRVRNSNTASKTERM	"X'00000128"
0	(0)	BITSTRING	0	IXCSRVRNSNRESMGR	"X'00000129"

Comment

IXCSRVR Reason codes for return code IxcRetCodeEnvError (C)

End of Comment

0	(0)	BITSTRING	0	IXCSRVRNSNNOUSERSTORAGE	"X'00000CA1"
0	(0)	BITSTRING	0	IXCSRVRNSNNOXCFSTORAGE	"X'00000CA2"
0	(0)	BITSTRING	0	IXCSRVRNSNMAXSERVERS	"X'00000CA3"
0	(0)	BITSTRING	0	IXCSRVRNSNNOYSRESOURCES	"X'00000CA4"

Comment

 Constants for use with IXCRECV interface

End of Comment

0	(0)	X'1'	0	IXCRECVRECEIVESTATUS	"1" RECEIVE=STATUS
0	(0)	X'2'	0	IXCRECVRECEIVERESPONSES	"2" RECEIVE=RESPONSES
0	(0)	X'1'	0	IXCRECVSCOPEALL	"1" SCOPE=ALL

Comment

IXCRECV Reason codes for return code IxcRetCodeWarning (4)

End of Comment

		.... .1..		IXCRECVRSNMOREANSAREA	"X'00000004"
		.... .1.1		IXCRECVRSNMOREDATAAREA	"X'00000005"
		.... .11.		IXCRECVRSNMOREDATADESC	"X'00000006"
		.... 1...		IXCRECVRSNPENDING	"X'00000008"
		.... 11..		IXCRECVRSNAVAILABLE	"X'0000000C"

Comment

IXCRECV Reason codes for return code IxcRetCodeParmError (8)

End of Comment

0	(0)	BITSTRING	0	IXCRECVRSNBADSTGPLIST	
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IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCRECVRSNBADSTGANSAREA	"X'00010004"
0	(0)	BITSTRING	0	IXCRECVRSNBADSTGDATAAREA	"X'00020004"
0	(0)	BITSTRING	0	IXCRECVRSNBADSTGDATADESC	"X'00040004"
0	(0)	BITSTRING	0	IXCRECVRSNPAGEPROTECTDATAAREA	"X'00050004"
0	(0)	BITSTRING	0	IXCRECVRSNKEYMISMATCHDATAAREA	"X'00060004"
0	(0)	BITSTRING	0	IXCRECVRSNKEYMISMATCHDATAAREA	"X'00070004"
Comment					
00xx0008 ALET of storage area identified by xx is not valid.					
End of Comment					
0	(0)	BITSTRING	0	IXCRECVRSNBADALETPLIST	"X'00010008"
0	(0)	BITSTRING	0	IXCRECVRSNBADALETANSAREA	"X'00020008"
0	(0)	BITSTRING	0	IXCRECVRSNBADALETDATAAREA	"X'00030008"
0	(0)	BITSTRING	0	IXCRECVRSNBADALETDATADESC	"X'00040008"
Comment					
00xx000C Value specified for keyword xx is not valid					
End of Comment					
0	(0)	BITSTRING	0	IXCRECVRSNBADVALANSLEN	"X'0001000C"
0	(0)	BITSTRING	0	IXCRECVRSNBADVALMSGTOKEN	"X'0002000C"
0	(0)	BITSTRING	0	IXCRECVRSNBADVALLENDDENTRY	"X'0003000C"
Comment					
00xx0018 Indicated content of IXCRECV parameter list is not valid.					
End of Comment					
0	(0)	BITSTRING	0	IXCRECVRSNBADPLISTVERSION	"X'00010018"
0	(0)	BITSTRING	0	IXCRECVRSNBADPLISTRSD	"X'00020018"
0	(0)	BITSTRING	0	IXCRECVRSNBADPLISTRECEIVE	"X'00030018"
0	(0)	BITSTRING	0	IXCRECVRSNBADPLISTDATAAREA	"X'00040018"
0	(0)	BITSTRING	0	IXCRECVRSNBADPLISTSCOPE	"X'00050018"
0	(0)	BITSTRING	0	IXCRECVRSNBADPLISTREQTYPE	"X'00060018"
Comment					
00xx0048 Request rejected due to the indicated message error.					
End of Comment					
0	(0)	BITSTRING	0	IXCRECVRSNMSGNOTFOUND	"X'00010048"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
00xx00EE Request rejected due to the indicated environmental error.					
End of Comment					
0	(0)	BITSTRING	0	IXCRECVRSNBADENVNOTENABLED	"X'000100EE"
0	(0)	BITSTRING	0	IXCRECVRSNBADENVLOCKED	"X'000200EE"
Comment					
IXCRECV Reason codes for return code IxcRetCodeEnvError (C)					
End of Comment					
0	(0)	BITSTRING	0	IXCRECVRSNACTIVERECEIVER	"X'0000C04"
0	(0)	BITSTRING	0	IXCRECVRSNBLOCKINGCONFLICT	"X'0000C05"
0	(0)	BITSTRING	0	IXCRECVRSNNEEDRESOURCES	"X'0000C08"
0	(0)	BITSTRING	0	IXCRECVRSNRELEASED	"X'0000C10"
0	(0)	BITSTRING	0	IXCRECVRSNMSGDISCARDED	"X'0000C11"
0	(0)	BITSTRING	0	IXCRECVRSNBADBLOCKINGENV	"X'0000C12"
0	(0)	BITSTRING	0	IXCRECVRSNSYSTEMNOTREADY	"X'0000C13"
0	(0)	BITSTRING	0	IXCRECVRSNRECVBINDTERM	"X'0000C14"
Comment					
----- Constants for use with IXCNOTE interface -----					
Reason codes returned by IXCNOTE have the form xxxxYYYY where xxxx contains diagnostic information. Before comparing a reason code to any of the reason code constants below, one must mask off the diagnostic data. Take the reason code, AND it with the mask, and then compare that result to the reason code constants.					
End of Comment					
0	(0)	BITSTRING	0	IXCNOTERSNCODEMASK	"X'0000FFFF" Reason code mask
Comment					
IXCNOTE Reason codes for return code IxcRetCodeWarning (4)					
End of Comment					
0	(0)	BITSTRING	0	IXCNOTERSNMOREDATA	"X'00000401"
0	(0)	BITSTRING	0	IXCNOTERSNMORENOTES	"X'00000402"
0	(0)	BITSTRING	0	IXCNOTERSNRESUMED	"X'00000403"
0	(0)	BITSTRING	0	IXCNOTERSNPENDING	"X'00000441"
Comment					
IXCNOTE Reason codes for return code IxcRetCodeParmError (8)					
End of Comment					
		.... ...1		IXCNOTERSNPLISTBADSTG	"X'00000001"

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
available BIT(32) CONSTANT('00000002'X),					
End of Comment					
	....	..11		IXCNOTERSNPLISTBADRSVD	"X'00000003"
	....	.1..		IXCNOTERSNPLISTBADVERSION	"X'00000004"
	....	.1.1		IXCNOTERSNPLISTBADREQUEST	"X'00000005"
	....	.11.		IXCNOTERSNPLISTBADREQTYPE	"X'00000006"
Comment					
available BIT(32) CONSTANT('00000007'X),					
End of Comment					
	....	1...		IXCNOTERSNPLISTBADTAGGING	"X'00000008"
	...1	....		IXCNOTERSNNOTEPADBADVAL	"X'00000010"
	...1	...1		IXCNOTERSNNOTEPADNOTEXIST	"X'00000011"
	...1	..1.		IXCNOTERSNNOTEPADFAILED	"X'00000012"
	...1	..11		IXCNOTERSNNOTEPADEXISTS	"X'00000013"
	...1	.1..		IXCNOTERSNNOTEPADINUSE	"X'00000014"
	...1	.1.1		IXCNOTERSNNOTEPADMULTIWRITENO	"X'00000015"
	...1	1...		IXCNOTERSNCONNECTIONBADVAL	"X'00000018"
	...1	1..1		IXCNOTERSNCONNECTIONNOTEXIST	"X'00000019"
	...1	1.11		IXCNOTERSNCONNECTIONBADTERM	"X'0000001B"
	...1	11..		IXCNOTERSNCONNECTIONBADPAUSE	"X'0000001C"
	...1	11.1		IXCNOTERSNCONNECTIONBADUSER	"X'0000001D"
	...1	111.		IXCNOTERSNCONNECTIONBADACCESS	"X'0000001E"
	...1	1111		IXCNOTERSNCONNECTIONBADAUTH	"X'0000001F"
	..1.	....		IXCNOTERSNDESCBADSTG	"X'00000020"
	..1.	...1		IXCNOTERSNDESCBADALET	"X'00000021"
	..1.	..1.		IXCNOTERSNDESCBADVAL	"X'00000022"
	..1.	..11		IXCNOTERSNINFOBADSTG	"X'00000023"
	..1.	.1..		IXCNOTERSNINFOBADALET	"X'00000024"
	..1.	.1.1		IXCNOTERSNCRITERIABADSTG	"X'00000025"
	..1.	.11.		IXCNOTERSNCRITERIABADALET	"X'00000026"
	..1.	.111		IXCNOTERSNCRITERIABADVAL	"X'00000027"
	..1.	1..1		IXCNOTERSNBUFFERBADSTGNP	"X'00000029"
	..1.	1.1.		IXCNOTERSNBUFFERBADALET	"X'0000002A"
	..1.	1.11		IXCNOTERSNBUFLENBADVAL	"X'0000002B"
	..1.	11..		IXCNOTERSNBUFFERBADSTG	"X'0000002C"
	..1.	111.		IXCNOTERSNRESUMETOKENBADVAL	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..11		IXCNOTERSNANSAREAREQUIRED	"X'0000002E"
		..11 ...1		IXCNOTERSNANSAREABADSTG	"X'00000030"
		..11 ..1.		IXCNOTERSNANSAREABADALET	"X'00000031"
		..11 ..11		IXCNOTERSNANSLENBADVAL	"X'00000032"
		..11 ..1..		IXCNOTERSNANSLENMORE	"X'00000033"
		..11 ..1.1		IXCNOTERSNANSAREABADSTGNP	"X'00000034"
		..11 ..111		IXCNOTERSN#NOTESEXCEED	"X'00000035"
		..11 1...		IXCNOTERSN#NOTESBADVAL	"X'00000037"
		.1..		IXCNOTERSNNOTENOTEXIST	"X'00000038"
		.1.. ...1		IXCNOTERSNNOTEEXISTS	"X'00000040"
		.1.. ..1.		IXCNOTERSNNOTEBADINSTANCE#	"X'00000041"
		.1.. ..11		IXCNOTERSNNOTEBADTAGGING	"X'00000042"
		.1.. .1..		IXCNOTERSNNOTELOWTAG	"X'00000043"
		.1.. .1.1		IXCNOTERSNNOTENOINSTANCE#	"X'00000044"
		1.1. .1..		IXCNOTERSNR0CONFLICT	"X'00000045"
0	(0)	BITSTRING	0	IXCNOTERSNTASKTERM	"X'000000A4"
0	(0)	BITSTRING	0	IXCNOTERSNSPACETERM	"X'00000128"
0	(0)	BITSTRING	0	IXCNOTERSNRESMGR	"X'00000129"
0	(0)	BITSTRING	0	IXCNOTERSNBADSENV	"X'0000012A"
0	(0)	BITSTRING	0	IXCNOTERSNPLISTBADSTGNP	"X'00000130"
0	(0)	BITSTRING	0	IXCNOTERSNPLISTBADALETNP	"X'00000801"
0	(0)	BITSTRING	0	IXCNOTERSNNOTINSTALLEDVN	"X'00000802"
0	(0)	BITSTRING	0	IXCNOTERSNTASKTOOHIGH	"X'00000804"
0	(0)	BITSTRING	0	IXCNOTERSNNOTTASKMODE	"X'00000805"
0	(0)	BITSTRING	0	IXCNOTERSNNOTENABLED	"X'00000806"
0	(0)	BITSTRING	0	IXCNOTERSNMASTERAS	"X'00000807"
0	(0)	BITSTRING	0	IXCNOTERSNPRIMARYNOTHOME	"X'00000808"
0	(0)	BITSTRING	0	IXCNOTERSNBADSUSPENDENV	"X'00000809"
0	(0)	BITSTRING	0	IXCNOTERSNNOSAFAUTH	"X'00000812"
0	(0)	BITSTRING	0	IXCNOTERSNHASFR	"X'0000084C"
0	(0)	BITSTRING	0	IXCNOTERSNLOCKED	"X'00000857"
0	(0)	BITSTRING	0	IXCNOTERSNBADSERVICENUM	"X'00000876"
					"X'000008B2"

Comment

IXCNOTE Reason codes for return code IxcRetCodeEnvError (C)

End of Comment

0	(0)	BITSTRING	0	IXCNOTERSNQUIESCED	"X'00000C01"
0	(0)	BITSTRING	0	IXCNOTERSNCONSTRAINED	

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCNOTERSNNOSECPROFILE	"X'0000C02"
0	(0)	BITSTRING	0	IXCNOTERSNMAXNOTEPADS	"X'0000C40"
0	(0)	BITSTRING	0	IXCNOTERSNNOSYSRESOURCES	"X'0000CA3"
0	(0)	BITSTRING	0	IXCNOTERSNNOSTRRESOURCES	"X'0000CA4"
0	(0)	BITSTRING	0	IXCNOTERSNMAXCONNECTIONS	"X'0000CA5"
0	(0)	BITSTRING	0	IXCNOTERSNTIMEOUT	"X'0000CA6"
0	(0)	BITSTRING	0	IXCNOTERSNSTATUSUNKNOWN	"X'0000CB0"
0	(0)	BITSTRING	0	IXCNOTERSNNOTCONFIGURED	"X'0000CBD"
0	(0)	BITSTRING	0	IXCNOTERSNNOSERVICE	"X'0000CFE"
0	(0)	BITSTRING	0		"X'0000CFF"

Comment

IXCNOTE Reason codes for return code IxcRetCodeComperror (x10) XCF suffered an internal error. Reason codes are provided for this return code, however they are not documented. In general, XCF will have gathered diagnostics appropriate to the failure. The reason code should be included in any diagnostics that the IXCNOTE user might choose to gather to document the impact from the exploiter perspective.

GENERAL USE REASON CODES

Note that the reason codes are of the form "xxxxYYzz" where "xxxx" is used to contain internal diagnostic information "YY" is '04'x, '08'x, '0C', or '10'x "zz" is a hex value

End of Comment

0	(0)	BITSTRING	0	IXCRSNMORERDATATOBETERTURNED	"X'0000404" Client's Data Area is not big enough to hold all data to be returned.
0	(0)	BITSTRING	0	IXCRSNCODEUSINGSPINFDI	"X'0000414" Input FDI accepted, but the system is instead using the FDI derived from the excessive spin parameters. ----- ----- IxcRetCodeParmError (return code '08'x) - reason codes -----
0	(0)	BITSTRING	0	IXCRSNCODEBADOPERATION	"X'0000800" Specified operation is not valid
0	(0)	BITSTRING	0	IXCRSNCODEBADPARMLIST	"X'0000801" Parameter list could not be accessed
0	(0)	BITSTRING	0	IXCRSNCODEBADPARMLISTALET	"X'0000802" Parameter list ALET is not valid
0	(0)	BITSTRING	0	IXCRSNCODERESERVEDNOT0	"X'0000803" A Reserved field in a parameter list or input control block is not zero
0	(0)	BITSTRING	0	IXCRSNCODEBADVERSIONNUM	"X'0000804" Version number in parameter list is not valid
0	(0)	BITSTRING	0	IXCRSNCODENOTTASKMODE	"X'0000806" User is not in task mode
0	(0)	BITSTRING	0	IXCRSNCODENOTENABLED	"X'0000807" User is not enabled
0	(0)	BITSTRING	0	IXCRSNCODEMASTERAS	"X'0000808" Request is not valid from the Master Address Space
0	(0)	BITSTRING	0	IXCRSNCODEPRIMARYNOTHOME	"X'0000809" User's PASN != HASN
0	(0)	BITSTRING	0	IXCRSNCODEDATAAREATOOSMALL	"X'000080D" Provided Data Area too small for Header Record
0	(0)	BITSTRING	0	IXCRSNCODEBADDATAAREA	"X'000080E" Data Area could not be accessed
0	(0)	BITSTRING	0	IXCRSNCODEBADDATAAREALET	"X'000080F" Callers Data Area Alet is not valid
0	(0)	BITSTRING	0	IXCRSNCODENOSAFAUTH	"X'000084C" User does not have proper SAF authorization
0	(0)	BITSTRING	0	IXCRSNCODEBADPLISTRSD	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCRSNCODEFRR	"X'00000850" Reserved area in parameter list is not valid
0	(0)	BITSTRING	0	IXCRSNCODELOCKED	"X'00000857" User has an FRR established
0	(0)	BITSTRING	0	IXCRSNCODEBADASCMODE	"X'00000876" User holds a lock
0	(0)	BITSTRING	0	IXCRSNCODEBADSITE	"X'0000088A" User is in an invalid ASC mode
0	(0)	BITSTRING	0	IXCRSNCODEBADTEXTAREADATA	"X'0000088F" The value of RecoverySite is not valid. Only 'SITE1 ' and 'SITE2 ' are valid values.
0	(0)	BITSTRING	0	IXCRSNCODEBADPOL	"X'000008A1" TextArea contains a DEFINE or DELETE statement, or does not start with a CF or STRUCTURE keyword.
0	(0)	BITSTRING	0	IXCRSNCODEBADREQTYPE	"X'000008A2" Policy definition failed
0	(0)	BITSTRING	0	IXCRSNCODEBADIDENTITY	"X'000008A3" Bad request type
0	(0)	BITSTRING	0	IXCRSNCODEBADRESTYPE	"X'000008B0" Identity is not valid
0	(0)	BITSTRING	0	IXCRSNCODEBADSERVICENUM	"X'000008B1" Resource Type is not valid
0	(0)	BITSTRING	0	IXCRSNCODEBADSYSTEMCOUNT	"X'000008B2" Service Number in parameter list is not valid
0	(0)	BITSTRING	0	IXCRSNCODEBADSYSTEMNAME	"X'000008B3" System count is not valid
0	(0)	BITSTRING	0	IXCRSNCODEWRONGSYSTEM	"X'000008B4" System name is not valid
0	(0)	BITSTRING	0	IXCRSNCODEINTERVALOUTOFRANGE	"X'000008B5" Wrong system identified for the given operation
0	(0)	BITSTRING	0	IXCRSNCODEBADSYSTEMWEIGHT	"X'000008B6" Time Interval outside of allowed range
0	(0)	BITSTRING	0	IXCRSNCODEBADSYSTEMACTION	"X'000008B8" SFM Policy Weight value outside of allowed range
0	(0)	BITSTRING	0	IXCRSNCODEBADTEXTNUM	"X'000008B9" SFM Policy Action value is not valid.
0	(0)	BITSTRING	0	IXCRSNCODEBADTEXTNUM	"X'000008BA" TextNum specified too many input TextArea lines. The maximum allowed number of lines is 256.

Comment

 IxcRetCodeEnvError (return code '0C'x) - reason codes

End of Comment

0	(0)	BITSTRING	0	IXCRSNCODECFNOTINPOLICY	"X'00000C07" Requested coupling facility is not in the CFRM active policy
0	(0)	BITSTRING	0	IXCRSNCODENOCFRM	"X'00000C29" The CFRM function is not active or not available.
0	(0)	BITSTRING	0	IXCRSNCODEFORCECONNERSISTSTR	"X'00000C2F" For a persistent lock or serialized list structure, forcing a failed-persistent connection is not permitted because undetected loss of data can occur.
0	(0)	BITSTRING	0	IXCRSNCODENOSECPROFILE	"X'00000C40" No security decision could be made for an unauthorized caller due to the absense of a security profile definition for Cluster MR resources or no security product is installed and active on the system
0	(0)	BITSTRING	0	IXCRSNCODEREALLOCINPROGRESS	"X'00000C80" A request to start a REALLOCATE process was attempted when either a REALLOCATE process or a POPULATECF rebuild was already in progress. The request is not processed.
0	(0)	BITSTRING	0	IXCRSNCODEREALLOCNOTINPROGRESS	"X'00000C81" A request to stop a REALLOCATE process was attempted. However, there is currently no in progress REALLOCATE process. The request is not processed.
0	(0)	BITSTRING	0	IXCRSNCODENOSTORAGE	"X'00000CA2" Failed to obtain the storage needed to process the request.
0	(0)	BITSTRING	0	IXCRSNCODEPOLICYMISMATCH	"X'00000CA3" An administrative policy matching the name and definition time of the active policy was not found.
0	(0)	BITSTRING	0	IXCRSNCODEAXRFAILED	"X'00000CA4" AXREXX failure. DiagArea (if specified) contains additional information.

IXCYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCRSNCODEPOLICYSTOP	"X'00000CA5" There is no active policy. A policy was not started or it has been stopped.
0	(0)	BITSTRING	0	IXCRSNCODEPOLICYVERSION	"X'00000CA6" The version of the defined policy is not supported by the version of IXCMIAPU that is used to report on that policy.
0	(0)	BITSTRING	0	IXCRSNCODEALLOCFAILED	"X'00000CA7" Failed to allocate a temporary data set needed to process the request.
0	(0)	BITSTRING	0	IXCRSNCODEIOERROR	"X'00000CA8" An error occurred while performing I/O to a temporary data set.
0	(0)	BITSTRING	0	IXCRSNCODESFMNOTACTIVE	"X'00000CB0" SFM is not active on this system.
0	(0)	BITSTRING	0	IXCRSNCODESYSTEMLIMITEXCEEDED	"X'00000CB1" The active SFM policy can not contain the number of specified system names.
0	(0)	BITSTRING	0	IXCRSNCODEINTERVALGTOPNOTIFY	"X'00000CB2" Time Interval greater than OpNotify interval
0	(0)	BITSTRING	0	IXCRSNCODECOUPLEDUNAVAILABLE	"X'00000CD0" A unexpected error occurred while accessing a couple data set.
0	(0)	BITSTRING	0	IXCRSNCODEDSPSERVFAIL	"X'00000CD4" The data space necessary for processing the user request could not be created.
0	(0)	BITSTRING	0	IXCRSNCODEALESERVFAIL	"X'00000CD8" The data space created for processing the user request could not be associated with the XCF address space.
0	(0)	BITSTRING	0	IXCRSNCODEATLEASTONESYSNOREALLOC	"X'00000CD9" At least one system in the sysplex does not support the REALLOCATE process. Since the REALLOCATE process uses structure rebuild processing which can be completed on any system in the sysplex, all systems must support REALLOCATE processing. The request is not processed.
0	(0)	BITSTRING	0	IXCRSNCODENOALLOCSTR	"X'00000CDA" The request to start a REALLOCATE process was rejected because there are no allocated structures to evaluate. The request is not processed.
0	(0)	BITSTRING	0	IXCRSNCODEREALLOCALREADYSTOPPING	"X'00000CDB" The request to stop a REALLOCATE process was rejected because REALLOCATE processing is already stopping. The request is not processed.
0	(0)	BITSTRING	0	IXCRSNCODEMINIMUMCDSVERSION	"X'00000CDC" The primary sysplex couple data set is not formatted or not initialized to the minimum version required for this request
0	(0)	BITSTRING	0	IXCRSNCODEREBUILDPOPCFINPROGRESS	"X'00000CDD" A request to start maintenance mode for a coupling facility was attempted when a POPULATECF rebuild was already in progress. The request is not processed.

Comment					

ixcRetCodeCompError (return code '10'x) - reason codes					

End of Comment					
0	(0)	BITSTRING	0	IXCRSNCODEUNKNOWNFAILURE	"X'00001001" XCF Internal Error. Unknown Failure.

IXCYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCCREATRSNALREADYCREATED	0	4	IXCJOINRSNGRPNAMBAD	0	14
IXCCREATRSNANSAREAINCOMPLETE	0	3C	IXCJOINRSNINTERVALBAD	0	1C
IXCCREATRSNFIRSTMEMBER	0	0	IXCJOINRSNISACTIVE	0	8
IXCCREATRSNFUNCDESCBAD	0	12C	IXCJOINRSNISCREATED	0	4
IXCCREATRSNGRPNAMBAD	0	14	IXCJOINRSNISFAILED	0	10
IXCCREATRSNISACTIVE	0	8	IXCJOINRSNISQUIESCED	0	C
IXCCREATRSNISFAILED	0	10	IXCJOINRSNLASTINGNEEDSMEMNAME	0	24
IXCCREATRSNISQUIESCED	0	C	IXCJOINRSNMAXGROUPS	0	4
IXCCREATRSNMAXGROUPS	0	4	IXCJOINRSNMAXMEMBERS	0	8
IXCCREATRSNMAXMEMBERS	0	8	IXCJOINRSNMEMASSOCBAD	0	44
IXCCREATRSNMEMNAMEBAD	0	18	IXCJOINRSNMEMNAMEBAD	0	18
IXCCREATRSNNOTENABLED	0	11C	IXCJOINRSNNOTENABLED	0	11C
IXCCREATRSNNOTTASKMODE	0	118	IXCJOINRSNNOTTASKMODE	0	118
IXCCREATRSNPARTITIONING	0	10	IXCJOINRSNPARTITIONING	0	10
IXCCREATRSNPLISTBADALET	0	100	IXCJOINRSNPLISTBADALET	0	100
IXCCREATRSNPLISTBADFUNCTION	0	108	IXCJOINRSNPLISTBADFUNCTION	0	108
IXCCREATRSNPLISTBADSTG	0	10C	IXCJOINRSNPLISTBADSTG	0	10C
IXCCREATRSNPLISTRSDNOTVALID	0	40	IXCJOINRSNPLISTRSDNOTVALID	0	40
IXCCREATRSNPLISTVERSIONNOTVALID	0	104	IXCJOINRSNPLISTVERSIONNOTVALID	0	104
IXCCREATRSNTASKABENDED	0	18	IXCJOINRSNPRIMARYNOTHOME	0	120
IXCCREATRSNUSLENBADVALUE	0	114	IXCJOINRSNSTATFLDBADSTG	0	20
IXCCREATRSNUSTATEBADSTG	0	110	IXCJOINRSNSTATUSMONINCOMPLETE	0	28
IXCCREATRSNXCFLOCALMODE	0	14	IXCJOINRSNTASKTERM	0	128
IXCDELETRSININAPPROPRIATESTATE	0	8	IXCJOINRSNUSLENBADVALUE	0	114
IXCDELETRSNNOTDEFINED	0	4	IXCJOINRSNUSTATEBADSTG	0	110
IXCDELETRSNNOTENABLED	0	11C	IXCJOINRSNWASCREATED	0	10
IXCDELETRSNNOTTASKMODE	0	118	IXCJOINRSNWASFAILED	0	8
IXCDELETRSNPLISTBADALET	0	100	IXCJOINRSNWASQUIESCED	0	C
IXCDELETRSNPLISTBADFUNCTION	0	108	IXCJOINRSNXCFLOCALMODE	0	14
IXCDELETRSNPLISTBADSTG	0	10C	IXCLEAVERSNEBITSNOTPURGED	0	4
IXCDELETRSNPLISTRSDNOTVALID	0	40	IXCLEAVERSININAPPROPRIATEPRIMARY	0	8
IXCDELETRSNPLISTVERSIONNOTVALID	0	104	IXCLEAVERSINAPPROPRIATESYSTEM	0	10
IXCDELETRSNTASKABENDED	0	18	IXCLEAVERSNNOTACTIVE	0	4
IXCJOINRSNANSAREAINCOMPLETE	0	3C	IXCLEAVERSNNOTENABLED	0	11C
IXCJOINRSNFIRSTACTIVEMEMBER	0	4	IXCLEAVERSNNOTTASKMODE	0	118
IXCJOINRSNFUNCDESCBAD	0	12C	IXCLEAVERSINPLISTBADALET	0	100

IXCYCON Cross Reference

Name	Hex Offset	Hex Value
IXCLEAVERSAMPLISTBADFUNCTION	0	108
IXCLEAVERSAMPLISTBADSTG	0	10C
IXCLEAVERSAMPLISTRSDNOTVALID	0	40
IXCLEAVERSAMPLISTVERSIONNOTVALID	0	104
IXCLEAVERSAMPLIMINARYNOTHOME	0	120
IXCLEAVERSAMPLTASKABENDED	0	18
IXCLEAVERSAMPLUSLENBADVALUE	0	114
IXCLEAVERSAMPLUSTATEBADSTG	0	110
IXCMGPLISTVERMAX	0	3
IXCMGPLISTVER0	0	0
IXCMGPLISTVER1	0	1
IXCMGPLISTVER2	0	2
IXCMGPLISTVER3	0	3
IXCMGRSNCHECKRESULTS	0	10
IXCMGRSNDATAAREABADALET	0	1C
IXCMGRSNDATAAREABADSTG	0	18
IXCMGRSNDATAAREATOOSMALL	0	14
IXCMGRSNECBBADSTG	0	128
IXCMGRSNLOCKHELD	0	12C
IXCMGRSNNEEDNEWREQUEST	0	14
IXCMGRSNNEEDRESOURCES	0	8
IXCMGRSNNEEDSOFTWARE	0	4
IXCMGRSNNOTENABLED	0	11C
IXCMGRSNPLISTBADALET	0	100
IXCMGRSNPLISTBADAMDALEVEL	0	110
IXCMGRSNPLISTBADECBPTR	0	134
IXCMGRSNPLISTBADFUNCTION	0	108
IXCMGRSNPLISTBADGROUP	0	130
IXCMGRSNPLISTBADMEMTOKEN	0	114
IXCMGRSNPLISTBADREQTOKEN	0	120
IXCMGRSNPLISTBADSTG	0	10C
IXCMGRSNPLISTBADSYSID	0	118
IXCMGRSNPLISTBADTIMEOUT	0	124
IXCMGRSNPLISTBADTYPE	0	138
IXCMGRSNPLISTRSDNOTVALID	0	40
IXCMGRSNPLISTVERSIONNOTVALID	0	104
IXCMGRSNRESULTSPENDING	0	8

Name	Hex Offset	Hex Value
IXCMGRSNSTILLMOREDATA	0	4
IXCMGRSNSYSTEMNOTACTIVE	0	C
IXCMGRSNSYSTEMNOTREADY	0	10
IXCMODRSNINAPPROPRIATECALLER	0	10
IXCMODRSNINTERVALBAD	0	C
IXCMODRSNNOSTATUSMON	0	8
IXCMODRSNNOTACTIVE	0	4
IXCMODRSNNOTENABLED	0	11C
IXCMODRSNNOTTASKMODE	0	118
IXCMODRSNPLISTBADALET	0	100
IXCMODRSNPLISTBADFUNCTION	0	108
IXCMODRSNPLISTBADSTG	0	10C
IXCMODRSNPLISTRSDNOTVALID	0	40
IXCMODRSNPLISTVERSIONNOTVALID	0	104
IXCMODRSNPRIMARYNOTHOME	0	120
IXCMODRSNTASKABENDED	0	18
IXCMMSGIRSN#MSGPARTSZERO	0	214
IXCMMSGIRSNSELEMENTBADALET	0	212
IXCMMSGIRSNMEMBERNOTACTIVE	0	9
IXCMMSGIRSNMSGALREADYDELIVERED	0	8
IXCMMSGIRSNMSGBUFBADALET	0	C
IXCMMSGIRSNMSGBUFBADSTG	0	4
IXCMMSGIRSNMSGBUFPAGEPROTECT	0	20D
IXCMMSGIRSNMSGBUFSTGKEYMISMATCH	0	20C
IXCMMSGIRSNMSGTOKENNOTVALID	0	44
IXCMMSGIRSNNEXTPTROFFBADSTG	0	213
IXCMMSGIRSNPARTALET@BADALET	0	234
IXCMMSGIRSNPARTALET@BADALET	0	236
IXCMMSGIRSNPARTALET@BADALET	0	233
IXCMMSGIRSNPARTALET@BADALET	0	235
IXCMMSGIRSNPARTALET@BADALET	0	232
IXCMMSGIRSNPARTALET@BADALET	0	230
IXCMMSGIRSNPARTALET@BADALET	0	231
IXCMMSGIRSNPARTALET@BADALET	0	223
IXCMMSGIRSNPARTALET@BADALET	0	222
IXCMMSGIRSNPARTALET@BADALET	0	220
IXCMMSGIRSNPARTALET@BADALET	0	221

Name	Hex Offset	Hex Value
IXCMGIRSNPARTOFFBADSTG	0	219
IXCMGIRSNPARTOFFKEYMISMATCH	0	21D
IXCMGIRSNPARTOFFPAGEPROTECT	0	21B
IXCMGIRSNPARTPTROFF@BADSTG	0	218
IXCMGIRSNPARTPTROFF@KEYMISMATCH	0	21C
IXCMGIRSNPARTPTROFF@PAGEPROTECT	0	21A
IXCMGIRSNPARTPTROFFBADSTG	0	210
IXCMGIRSNPLISTBADALET	0	100
IXCMGIRSNPLISTBADSTG	0	10C
IXCMGIRSNPLISTNOPARTINFOBADSTG	0	C000
IXCMGIRSNPLISTRSDNOTVALID	0	40
IXCMGIRSNPLISTVERSIONNOTVALID	0	104
IXCMGIRSNSTILLMOREDATA	0	224
IXCMGIRSNTOOMANYZEROLENPARTS	0	215
IXCMGIRSNUSETOKENKEYWORD	0	45
IXCMGIXRSNSTARTOFFSETBADVALUE	0	237
IXCMGOMAXTIMEOUT	0	7FFF
IXCMGOMINTIMEOUT	0	1
IXCMGORSN#MSGPARTSZERO	0	214
IXCMGORSNASYNCSSENDPENDING	0	410
IXCMGORSNBAD#TARGETS	0	320
IXCMGORSNBADRESPONSEID	0	30C
IXCMGORSNBADSTREAMID	0	310
IXCMGORSNBADTIMEOUT	0	324
IXCMGORSNBCCOMPLETewithREJECTS	0	404
IXCMGORSNBCPENDINGNOREJECTS	0	402
IXCMGORSNBCPENDINGWITHREJECTS	0	403
IXCMGORSNDUALFULL	0	20
IXCMGORSNDUALNOSTORAGE	0	24
IXCMGORSNDUALNOTSUITABLE	0	28
IXCMGORSNELEMENTBADALET	0	212
IXCMGORSNLOCKHELD	0	12C
IXCMGORSNMSGBUFBADSTG	0	208
IXCMGORSNMSGBUFKEYMISMATCH	0	20C
IXCMGORSNMSGCNTLBADALET	0	14
IXCMGORSNMSGCNTLBADSTG	0	18

Name	Hex Offset	Hex Value
IXCMGORSNMSGLENGTsumPARTLEN	0	224
IXCMGORSNMSGLENNOTVALID	0	C
IXCMGORSNMSGPENDINGMUSTQUEUE	0	1C
IXCMGORSNNEXTPTROFFBADSTG	0	213
IXCMGORSNNOBUFFER	0	4
IXCMGORSNNOBUFFERNOTQUEUED	0	14
IXCMGORSNNOMSGSPACE	0	C
IXCMGORSNNOPATH	0	8
IXCMGORSNNOPATHNOTQUEUED	0	18
IXCMGORSNNOTENABLED	0	11C
IXCMGORSNPARTALET@BADALET	0	234
IXCMGORSNPARTALETOFF@BADALET	0	236
IXCMGORSNPARTALETOFFBADSTG	0	233
IXCMGORSNPARTALETTBL@BADALET	0	235
IXCMGORSNPARTALETTBLBADALET	0	232
IXCMGORSNPARTALETTBLBADSTG	0	230
IXCMGORSNPARTALETTBLNOTWORDBDY	0	231
IXCMGORSNPARTLENBADLEN	0	225
IXCMGORSNPARTLENOFFBADLEN	0	227
IXCMGORSNPARTLENOFFBADSTG	0	223
IXCMGORSNPARTLENTBLBADALET	0	222
IXCMGORSNPARTLENTBLBADLEN	0	226
IXCMGORSNPARTLENTBLBADSTG	0	220
IXCMGORSNPARTLENTBLNOTWORDBDY	0	221
IXCMGORSNPARTOFFBADSTG	0	219
IXCMGORSNPARTOFFKEYMISMATCH	0	21D
IXCMGORSNPARTPTROFF@BADSTG	0	218
IXCMGORSNPARTPTROFF@KEYMISMATCH	0	21C
IXCMGORSNPARTPTROFFBADSTG	0	210
IXCMGORSNPLISTBADALET	0	100
IXCMGORSNPLISTBADSTG	0	10C
IXCMGORSNPLISTNOPARTINFOBADSTG	0	C000
IXCMGORSNPLISTRSDNOTVALID	0	40
IXCMGORSNPLISTVERSIONNOTVALID	0	104
IXCMGORSNRETMSGOTOKENBADALET	0	308
IXCMGORSNRETMSGOTOKENNOACCESS	0	50000
IXCMGORSNSENDERBECAMEINACTIVE	0	344

IXCYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCMGORSNSENDERNOTIFYEXIT	0	300	IXCNOTERSNCONNECTIONBADAUTH	0	1F
IXCMGORSNSENDERNOTVALID	0	4	IXCNOTERSNCONNECTIONBADPAUSE	0	1C
IXCMGORSNSENDPENDING	0	401	IXCNOTERSNCONNECTIONBADTERM	0	1B
IXCMGORSNSYSTEMNOSTORAGE	0	10	IXCNOTERSNCONNECTIONBADUSER	0	1D
IXCMGORSNTARGETMAXMSGLEN61K	0	340	IXCNOTERSNCONNECTIONBADVAL	0	18
IXCMGORSNTARGETNOMSGEXIT	0	1C	IXCNOTERSNCONNECTIONNOTEXIST	0	19
IXCMGORSNTARGETNOTVALID	0	8	IXCNOTERSNCONSTRAINED	0	C02
IXCMGORSNTARGETSBADALET	0	304	IXCNOTERSNCRITERIABADALET	0	26
IXCMGORSNTARGETSBADSTG	0	314	IXCNOTERSNCRITERIABADSTG	0	25
IXCMGORSNTOOMANYZEROLENPARTS	0	215	IXCNOTERSNCRITERIABADVAL	0	27
IXCMGORSNALLOCPAUSEELEMERROR	0	2C	IXCNOTERSNDESCBADALET	0	21
IXCMGORSNASYNCSYNCSUSPENDABEND	0	38	IXCNOTERSNDESCBADSTG	0	20
IXCMGORSNBADFILTERGROUP	0	358	IXCNOTERSNDESCBADVAL	0	22
IXCMGORSNBADSENDTIME	0	348	IXCNOTERSNHASFRF	0	857
IXCMGORSNDISCARDMSG	0	36	IXCNOTERSNINFOBADALET	0	24
IXCMGORSNFORCECOMPLETION	0	30	IXCNOTERSNINFOBADSTG	0	23
IXCMGORSNPAUSEENVERROR	0	350	IXCNOTERSNLOCKED	0	876
IXCMGORSNRELEASEMSG	0	34	IXCNOTERSNMASTERAS	0	808
IXCMGORSNRESOURCEMGRCALLING	0	354	IXCNOTERSNMAXCONNECTIONS	0	CA6
IXCMGORSNSENDTIMEEXPIRED	0	34C	IXCNOTERSNMAXNOTEPADS	0	CA3
IXCNOTERSN#NOTESBADVAL	0	38	IXCNOTERSNMOREDATA	0	401
IXCNOTERSN#NOTESEXCEEDED	0	37	IXCNOTERSNMORENOTES	0	402
IXCNOTERSNANSAREABADALET	0	32	IXCNOTERSNNOSAFAUTH	0	84C
IXCNOTERSNANSAREABADSTG	0	31	IXCNOTERSNNOSECPROFILE	0	C40
IXCNOTERSNANSAREABADSTGNP	0	35	IXCNOTERSNNOSERVICE	0	CFF
IXCNOTERSNANSAREAREQUIRED	0	30	IXCNOTERSNNOSTRRRESOURCES	0	CA5
IXCNOTERSNANSLENBADVAL	0	33	IXCNOTERSNNOSYSRESOURCES	0	CA4
IXCNOTERSNANSLENMORE	0	34	IXCNOTERSNNOTCONFIGURED	0	CFE
IXCNOTERSNBADSENV	0	130	IXCNOTERSNNOTEBADINSTANCE#	0	42
IXCNOTERSNBADSERVICENUM	0	8B2	IXCNOTERSNNOTEBADTAGGING	0	43
IXCNOTERSNBADSUSPENDENV	0	812	IXCNOTERSNNOTEEXISTS	0	41
IXCNOTERSNBUFFERBADALET	0	2A	IXCNOTERSNNOTELOWTAG	0	44
IXCNOTERSNBUFFERBADSTG	0	2C	IXCNOTERSNNOTENABLED	0	807
IXCNOTERSNBUFFERBADSTGNP	0	29	IXCNOTERSNNOTENOINSTANCE#	0	45
IXCNOTERSNBUFLENBADVAL	0	2B	IXCNOTERSNNOTENOTEXIST	0	40
IXCNOTERSNCODEMASK	0	FFFF	IXCNOTERSNNOTEPADBADVAL	0	10
IXCNOTERSNCONNECTIONBADACCESS	0	1E	IXCNOTERSNNOTEPAD EXISTS	0	13

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCNOTERSNNOTEPADFAILED	0	12	IXCQUIESRSNPLISTVERSIONNOTVALID	0	104
IXCNOTERSNNOTEPADINUSE	0	14	IXCQUIESRSNPRIMARYNOTHOME	0	120
IXCNOTERSNNOTEPADMULTIWRITENO	0	15	IXCQUIESRSNTASKABENDED	0	18
IXCNOTERSNNOTEPADNOTEXIST	0	11	IXCQUIESRSNUSLENBADVALUE	0	114
IXCNOTERSNNOTINSTALLEDVN	0	804	IXCQUIESRSNUSTATEBADSTG	0	110
IXCNOTERSNNOTTASKMODE	0	806	IXCRECVRECEIVERRESPONSES	0	2
IXCNOTERSNPENDING	0	441	IXCRECVRECEIVESTATUS	0	1
IXCNOTERSNPLISTBADALETNP	0	802	IXCRECVRSNACTIVERECEIVER	0	C04
IXCNOTERSNPLISTBADREQTYPE	0	6	IXCRECVRSNAVAILABLE	0	C
IXCNOTERSNPLISTBADREQUEST	0	5	IXCRECVRSNBADALETANSAREA	0	20008
IXCNOTERSNPLISTBADRSVD	0	3	IXCRECVRSNBADALETDATAAREA	0	30008
IXCNOTERSNPLISTBADSTG	0	1	IXCRECVRSNBADALETDATADESC	0	40008
IXCNOTERSNPLISTBADSTGNP	0	801	IXCRECVRSNBADALETPLIST	0	10008
IXCNOTERSNPLISTBADTAGGING	0	8	IXCRECVRSNBADBLOCKINGENV	0	C12
IXCNOTERSNPLISTBADVERSION	0	4	IXCRECVRSNBADENVLOCKED	0	200EE
IXCNOTERSNPRIMARYNOTHOME	0	809	IXCRECVRSNBADENVNOTENABLED	0	100EE
IXCNOTERSNQIESCED	0	C01	IXCRECVRSNBADPLISTDATAAREA	0	40018
IXCNOTERSNRESMGR	0	12A	IXCRECVRSNBADPLISTRECEIVE	0	30018
IXCNOTERSNRESUMED	0	403	IXCRECVRSNBADPLISTREQTYPE	0	60018
IXCNOTERSNRESUMETOKENBADVAL	0	2E	IXCRECVRSNBADPLISTRSD	0	20018
IXCNOTERSNRCONFLICT	0	A4	IXCRECVRSNBADPLISTSCOPE	0	50018
IXCNOTERSNSPACETERM	0	129	IXCRECVRSNBADPLISTVERSION	0	10018
IXCNOTERSNSTATUSUNKNOWN	0	CBD	IXCRECVRSNBADSTGANSAREA	0	20004
IXCNOTERSNTASKTERM	0	128	IXCRECVRSNBADSTGDATAAREA	0	40004
IXCNOTERSNTASKTOOHIGH	0	805	IXCRECVRSNBADSTGDATADESC	0	50004
IXCNOTERSNTIMEOUT	0	CB0	IXCRECVRSNBADSTGPLIST	0	10004
IXCQUIESRSNEXITSNOTPURGED	0	4	IXCRECVRSNBADVALANSLEN	0	1000C
IXCQUIESRSNINAPPROPRIATEPRIMARY	0	8	IXCRECVRSNBADVALLENDENTRY	0	3000C
IXCQUIESRSNINAPPROPRIATESYSTEM	0	10	IXCRECVRSNBADVALMSGTOKEN	0	2000C
IXCQUIESRSNNOTACTIVE	0	4	IXCRECVRSNBLOCKINGCONFLICT	0	C05
IXCQUIESRSNNOTENABLED	0	11C	IXCRECVRSNKEYMISMATCHDATAAREA	0	70004
IXCQUIESRSNNOTLASTING	0	C	IXCRECVRSNMOREANSAREA	0	4
IXCQUIESRSNNOTTASKMODE	0	118	IXCRECVRSNMOREDATAAREA	0	5
IXCQUIESRSNPLISTBADALET	0	100	IXCRECVRSNMOREDATADESC	0	6
IXCQUIESRSNPLISTBADFUNCTION	0	108	IXCRECVRSNMMSGDISCARDED	0	C11
IXCQUIESRSNPLISTBADSTG	0	10C	IXCRECVRSNMMSGNOTFOUND	0	10048
IXCQUIESRSNPLISTRSDNOTVALID	0	40	IXCRECVRSNNEEDRESOURCES	0	C08

IXCYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCRECVRSNPAGEPROTECTDATAAREA	0	60004	IXCRSNCODEBADREQTYPE	0	8A2
IXCRECVRSNPENDING	0	8	IXCRSNCODEBADRESTYPE	0	8A3
IXCRECVRSNRECVBINDTERM	0	C14	IXCRSNCODEBADSERVICENUM	0	8B1
IXCRECVRSNRELEASED	0	C10	IXCRSNCODEBADSERVICE	0	8B2
IXCRECVRSNSYSTEMNOTREADY	0	C13	IXCRSNCODEBADSITE	0	88F
IXCRECVSCOPEALL	0	1	IXCRSNCODEBADSYSTEMACTION	0	8B9
IXCREQRSNBADDATASIZE	0	2000C	IXCRSNCODEBADSYSTEMCOUNT	0	8B3
IXCREQRSNBADPLISTLEN	0	40018	IXCRSNCODEBADSYSTEMNAME	0	8B4
IXCREQRSNBADPLISTREQUEST	0	20018	IXCRSNCODEBADSYSTEMWEIGHT	0	8B8
IXCREQRSNBADPLISTRSD	0	50018	IXCRSNCODEBADTEXTAREADATA	0	8A1
IXCREQRSNBADPLISTVERSION	0	10018	IXCRSNCODEBADTEXTNUM	0	8BA
IXCREQRSNBADSENDERFUNCTION	0	7000C	IXCRSNCODEBADVERSIONNUM	0	804
IXCREQRSNBADVALMSGCNTL	0	5000C	IXCRSNCODECFNOTINPOLICY	0	C07
IXCREQRSNBADVALQUERYINFO	0	3000C	IXCRSNCODECOUPLEDSSUNAVAILABLE	0	CD0
IXCREQRSNBADVALSERVER	0	4000C	IXCRSNCODEDATAAREATOOSMALL	0	80D
IXCREQRSNBADVALSERVERID	0	A000C	IXCRSNCODEDSPSERVFAIL	0	CD4
IXCREQRSNNOREQUESTDATA	0	1000C	IXCRSNCODEFORCECONNPERSTSTR	0	C2F
IXCREQRSNOTHERSYSSERVERID	0	6000C	IXCRSNCODEFRR	0	857
IXCREQRSNSYSTEMRESOURCES	0	100CE	IXCRSNCODEINTERVALGTOPNOTIFY	0	CB2
IXCREQRSNTOOMUCHDATA	0	100EE	IXCRSNCODEINTERVALOUTOFRANGE	0	8B6
IXCRETCODECOMPERROR	0	10	IXCRSNCODEIOERROR	0	CA8
IXCRETCODEENVEERROR	0	C	IXCRSNCODELOCKED	0	876
IXCRETCODEEOK	0	0	IXCRSNCODEMASTERAS	0	808
IXCRETCODEPARMERROR	0	8	IXCRSNCODEMINIMUMCDSVERSION	0	CDC
IXCRETCODEWARNING	0	4	IXCRSNCODENOALLOCSTR	0	CDA
IXCRSNCODEALESERVFAIL	0	CD8	IXCRSNCODENOCFRM	0	C29
IXCRSNCODEALLOCFAILED	0	CA7	IXCRSNCODENOSAFAUTH	0	84C
IXCRSNCODEATLEASTONESYSNOREALLOC	0	CD9	IXCRSNCODENOSECPROFILE	0	C40
IXCRSNCODEAXRFAILED	0	CA4	IXCRSNCODENOSTORAGE	0	CA2
IXCRSNCODEBADASCMODE	0	88A	IXCRSNCODENOTENABLED	0	807
IXCRSNCODEBADDATAAREA	0	80E	IXCRSNCODENOTTASKMODE	0	806
IXCRSNCODEBADDATAAREALET	0	80F	IXCRSNCODEPOLICYMISMATCH	0	CA3
IXCRSNCODEBADIDENTITY	0	8B0	IXCRSNCODEPOLICYSTOP	0	CA5
IXCRSNCODEBADOPERATION	0	800	IXCRSNCODEPOLICYVERSION	0	CA6
IXCRSNCODEBADPARMLIST	0	801	IXCRSNCODEPRIMARYNOTHOME	0	809
IXCRSNCODEBADPARMLISTALET	0	802	IXCRSNCODEREALLOCALREADYSTOPPING	0	CDB
IXCRSNCODEBADPLISTRSD	0	850	IXCRSNCODEREALLOCINPROGRESS	0	C80
IXCRSNCODEBADPOL			IXCRSNCODEREALLOCNOTINPROGRESS		

Name	Hex Offset	Hex Value
IXCRSNCODEREBUILDPOPCFINPROGRESS	0	C81
	0	CDD
IXCRSNCODERESERVEDNOTO	0	803
IXCRSNCODESFMNOTACTIVE	0	CB0
IXCRSNCODESYSTEMLIMITEXCEEDED	0	CB1
IXCRSNCODEUNKNOWNFAILURE	0	1001
IXCRSNCODEUSINGSPINFDI	0	414
IXCRSNCODEWRONGSYSTEM	0	8B5
IXCRSNMOREDATATOBERETURNED	0	404
IXSENDMAXHOLDTIME	0	E10
IXSENDMAXMSGLEN	0	400000
IXSENDMAXRESPTIME	0	E10
IXSENDMAXSENDTIME	0	E10
IXSENDMINHOLDTIME	0	0
IXSENDMINRESPTIME	0	1
IXSENDMINSENDTIME	0	1
IXSENDRSNALESERVADDFAILED	0	100CE
IXSENDRSNASYNCABENDSENDING	0	800CE
IXSENDRSNBADALETCRITERIA	0	F0008
IXSENDRSNBADALETDESCRIPTION	0	80008
IXSENDRSNBADALETMSGCNTL	0	90008
IXSENDRSNBADALETMSGDATA	0	50008
IXSENDRSNBADALETMSGDESC	0	60008
IXSENDRSNBADALETPLIST	0	10008
IXSENDRSNBADALETRESPTOKEN	0	A0008
IXSENDRSNBADALETRETMSGTOKEN	0	70008
IXSENDRSNBADALETSERVER	0	30008
IXSENDRSNBADALETSERVERID	0	40008
IXSENDRSNBADALETSYSIDS	0	C0008
IXSENDRSNBADALETSYSNAMES	0	B0008
IXSENDRSNBADCRITERIAVERSION	0	F0018
IXSENDRSNBADENVLOCKED	0	200EE
IXSENDRSNBADENVNOTENABLED	0	100EE
IXSENDRSNBADENVPAUSES RB	0	600EE
IXSENDRSNBADENVRESOURCEMGR	0	400EE
IXSENDRSNBADPLISTCRITERIA	0	D0018
IXSENDRSNBADPLISTLEN	0	40018
IXSENDRSNBADPLISTRECVBIND		

Name	Hex Offset	Hex Value
IXSENDRSNBADPLISTRSD	0	90018
IXSENDRSNBADPLISTSYSTEMS	0	50018
IXSENDRSNBADPLISTTARGET	0	80018
IXSENDRSNBADPLISTTARGSERVER	0	30018
IXSENDRSNBADPLISTVERSION	0	B0018
IXSENDRSNBADSERVERREQMSGLEN	0	10018
IXSENDRSNBADSTGCRITERIA	0	17000C
IXSENDRSNBADSTGDESCRIPTION	0	F0004
IXSENDRSNBADSTGMSGCNTL	0	80004
IXSENDRSNBADSTGMSGDATA	0	90004
IXSENDRSNBADSTGMSGDESC	0	50004
IXSENDRSNBADSTGPLIST	0	60004
IXSENDRSNBADSTGRESPTOKEN	0	10004
IXSENDRSNBADSTGRETMSGTOKEN	0	A0004
IXSENDRSNBADSTGSERVER	0	70004
IXSENDRSNBADSTGSERVERID	0	30004
IXSENDRSNBADSTGSYSIDS	0	40004
IXSENDRSNBADSTGSYSNAMES	0	C0004
IXSENDRSNBADTTOKENMASTERAS	0	B0004
IXSENDRSNBADVAL#SYSTEMS	0	F000C
IXSENDRSNBADVALDESCRIPTION	0	12000C
IXSENDRSNBADVALEXPECTREPLY	0	3000C
IXSENDRSNBADVALFEATURES	0	9000C
IXSENDRSNBADVALHOLDTIME	0	6000C
IXSENDRSNBADVALLENMDENTRY	0	D000C
IXSENDRSNBADVALLENSYSENTRY	0	14000C
IXSENDRSNBADVALMAXLEVEL	0	1A000C
IXSENDRSNBADVALMSGLEN	0	5000C
IXSENDRSNBADVALMSGSTGKEY	0	1000C
IXSENDRSNBADVALRECVBIND	0	15000C
IXSENDRSNBADVALRESPTIME	0	11000C
IXSENDRSNBADVALRESPTOKEN	0	C000C
IXSENDRSNBADVALSENDER	0	10000C
IXSENDRSNBADVALSENDTIME	0	2000C
IXSENDRSNBADVALSERVER	0	B000C
IXSENDRSNBADVALSERVERID	0	4000C
IXSENDRSNBADVALSTOKEN	0	A000C

IXCYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCSEDRSNBADVALSYSNAME	0	1900C	IXCSETUSRSNTASKABENDED	0	10
IXCSEDRSNBADVALTTOKEN	0	800C	IXCSETUSRSNUSLENBADVALUE	0	18
IXCSEDRSNBADVALWILDCARDANY	0	700C	IXCSRVRMAXFDI	0	114
IXCSEDRSNBADVALWILDCARDONE	0	1600C	IXCSRVRMINFDI	0	E10
IXCSEDRSNBADVALWILDCARDSSAME	0	1300C	IXCSRVRREQTYPESTART	0	1
IXCSEDRSNDISCARDMSG	0	1800C	IXCSRVRREQYPESTOP	0	1
IXCSEDRSNDOWNLEVELSYSTEM	0	700CE	IXCSRVRRSN#SERVERSBADVALUE	0	2
IXCSEDRSNENVRESPTIMEEXP	0	300CE	IXCSRVRRSNBADASCMODE	0	20
IXCSEDRSNENVSENDTIMEEXP	0	900CE	IXCSRVRRSNCLIENTBADMAX	0	8A
IXCSEDRSNFORCECOMPLETION	0	400CE	IXCSRVRRSNDDTBADALET	0	11
IXCSEDRSNNOOUTSTANDINGRESP	0	500CE	IXCSRVRRSNDDTBADSTG	0	17
IXCSEDRSNNORETMSTOKEN	0	500EE	IXCSRVRRSNDESCBADALET	0	16
IXCSEDRSNNOTTARGETSYSTEMS	0	300EE	IXCSRVRRSNDESCBADDESC	0	B
IXCSEDRSNRELEASEMSG	0	800EE	IXCSRVRRSNDESCBADSTG	0	C
IXCSEDRSNSYSTEMNOTACTIVE	0	600CE	IXCSRVRRSNEXITFAILED	0	A
IXCSEDRSNSYSTEMRESOURCES	0	700EE	IXCSRVRRSNEXITFAILURE	0	6
IXCSEDRSNTTOKENTASKTERM	0	200CE	IXCSRVRRSNFDIBADVALUE	0	2
IXCSEDRSNUNKNOWNSENDFAILURE	0	E00C	IXCSRVRRSNFEATUERSBADLEVEL	0	12
IXCSETUSRSNCOMPUSNOTACCESSIBLE	0	100FF	IXCSRVRRSNHASFR	0	F
IXCSETUSRSNINAPPROPRIATEPRIMARY	0	124	IXCSRVRRSNINFOBADALET	0	57
IXCSETUSRSNNEWUSNOTACCESSIBLE	0	8	IXCSRVRRSNINFOBADSTG	0	E
IXCSETUSRSNNOCHANGEOLDEQNEW	0	110	IXCSRVRRSNLEVELBADMAX	0	D
IXCSETUSRSNNOCHANGEOLDNECOMPUS	0	4	IXCSRVRRSNLOCKED	0	10
IXCSETUSRSNNOTACTIVE	0	8	IXCSRVRRSNMAXSERVERS	0	76
IXCSETUSRSNNOTENABLED	0	4	IXCSRVRRSNMODEBADVALUE	0	CA3
IXCSETUSRSNNOTTASKMODE	0	11C	IXCSRVRRSNNOSERVER	0	1C
IXCSETUSRSNOLDUSALETNOTPRIMARY	0	118	IXCSRVRRSNNOSYSRESOURCES	0	4
IXCSETUSRSNOLDUSBADALET	0	14	IXCSRVRRSNNOTENABLED	0	CA4
IXCSETUSRSNOLDUSBADSTGNOTCOMMON	0	28	IXCSRVRRSNNOTTASKMODE	0	11C
IXCSETUSRSNOLDUSINCOMPLETE	0	18	IXCSRVRRSNNOUSERSTORAGE	0	118
IXCSETUSRSNPLISTBADALET	0	3C	IXCSRVRRSNNOXCFSTORAGE	0	CA1
IXCSETUSRSNPLISTBADFUNCTION	0	100	IXCSRVRRSNONLYONE	0	CA2
IXCSETUSRSNPLISTBADSTG	0	108	IXCSRVRRSNPLISTBADALET	0	127
IXCSETUSRSNPLISTRSDNOTVALID	0	10C	IXCSRVRRSNPLISTBADREQTYPE	0	2
IXCSETUSRSNPLISTVERSIONNOTVALID	0	40	IXCSRVRRSNPLISTBADRSVD	0	5
IXCSETUSRSNTARGETDIFFERENTGROUP	0	104	IXCSRVRRSNPLISTBADSTG	0	3
IXCSETUSRSNTARGETNOTVALID	0	C	IXCSRVRRSNPLISTBADVERSION	0	1

Name	Hex Offset	Hex Value
	0	4
IXCSRVRRSNREQTYPECONFLICT	0	A4
IXCSRVRRSNRESMGR	0	129
IXCSRVRRSNRESPBINDBADVALUE	0	13
IXCSRVRRSNSCOPEBADVALUE	0	1F
IXCSRVRRSNSERVERBADALET	0	8
IXCSRVRRSNSERVERBADNAME	0	9
IXCSRVRRSNSERVERBADSTG	0	7
IXCSRVRRSNSERVERIDBADALET	0	1E
IXCSRVRRSNSERVERIDBADSTG	0	1D
IXCSRVRRSNSERVERIDBADSYSTEM	0	15
IXCSRVRRSNSERVERIDBADVALUE	0	14
IXCSRVRRSNSTOPPED	0	1
IXCSRVRRSNSXPLMIXEDRESULT	0	28
IXCSRVRRSNSXPLREFUSALCODE	0	25
IXCSRVRRSNSXPLRESPBIND	0	24
IXCSRVRRSNSXPLRESULTCODE	0	27
IXCSRVRRSNSXPLRSVD	0	22
IXCSRVRRSNSXPLSTOPCODE	0	26
IXCSRVRRSNSXPLWADRSD	0	23
IXCSRVRRSNTASKTERM	0	128
IXCSRVRRSNWORKAREABADALET	0	1B
IXCSRVRRSNWORKAREABADSTG	0	1A
IXCSRVRRSNWORKAREATOOFEW	0	18
IXCSRVRRSNWORKAREATOOSMALL	0	19
IXCSRVRRSNXCFSERVER	0	21
IXCSRVRRSNXMEM	0	120
IXCSYSCLRSNFAILEDSYSNOTVALID	0	10
IXCSYSCLRSNINAPPROPRIATEPRIMARY	0	8
IXCSYSCLRSNLOCKHELD	0	12C
IXCSYSCLRSNNOTACTIVE	0	4
IXCSYSCLRSNNOTENABLED	0	11C
IXCSYSCLRSNPLISTBADALET	0	100
IXCSYSCLRSNPLISTBADFUNCTION	0	108
IXCSYSCLRSNPLISTBADSTG	0	10C
IXCSYSCLRSNPLISTRSDNOTVALID	0	40
IXCSYSCLRSNPLISTVERSIONNOTVALID	0	104
IXCSYSCLRSNSYSCLEANUPMEMNO		

Name	Hex Offset	Hex Value
	0	C
IXCTERMRSNINAPPROPRIATEPRIMARY	0	8
IXCTERMRSNMEMTOKENNOTVALID	0	1C
IXCTERMRSNNOTACTIVE	0	4
IXCTERMRSNNOTENABLED	0	11C
IXCTERMRSNNOTTASKMODE	0	118
IXCTERMRSNPLISTBADALET	0	100
IXCTERMRSNPLISTBADFUNCTION	0	108
IXCTERMRSNPLISTBADSTG	0	10C
IXCTERMRSNPLISTRSDNOTVALID	0	40
IXCTERMRSNPLISTVERSIONNOTVALID	0	104
IXCTERMRSNTARGETDIFFERENTGROUP	0	14
IXCTERMRSNTARGETNOTACTIVE	0	C
IXCTERMRSNTARGETNOTDEFINED	0	10
IXCTERMRSNTARGETNOTMEMASOCTASK	0	120
IXCTERMRSNTARGETNOTVALID	0	18
IXCXDSIRETCODELOSTLOCK	0	4
IXCXDSIRS NBADRECORDTYPE	0	20
IXCXDSIRSNDATAAREATOOSMALL	0	C

IXCYENF Information

IXCYENF Programming Interface information

Programming Interface information

IXCYENF

End of Programming Interface information

IXCYENF Heading Information • IXCYENF Map

IXCYENF Heading Information

Common Name: Event Notification Facility signal parmlist
Macro ID: IXCYENF
DSECT Name: IXCYENF
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: ENF
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: DREF SQA
 Key: 0
Size: IXCYENF -- X'0100' bytes
Created by: IXCL2MSG, IXCS2TSK or IXCS4TSK
Pointed to by: On entry to the ENF listen exit, register 1 points to a word which contains the address of the IXCYENF data area
Serialization: Serialized by the ENF component
Function: Mapping of parameter list passed to ENF listening routine to communicate XES event information for which the connection-related Event Exit is not usable or not appropriate

IXCYENF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYENF	XES Event Notification Parameter List
0	(0)	CHARACTER	4	IXCYENFACRONYM	Eyecatcher C'ENF '
4	(4)	CHARACTER	5	IXCYENFCOMPONENT	Component acronym
9	(9)	CHARACTER	3		Unused
12	(C)	SIGNED	4	IXCYENFFUNCTION	Function code, listed below
16	(10)	CHARACTER	240	IXCYENFFUNCTIONDATA	Function data defined differently for different functions. See mappings below.
16	(10)	X'100'	0	IXCYENF_LEN	"*-IXCYENF"
16	(10)	BITSTRING	1	IXCYENFFUNCTIONSTRAVAILDATA (0)	
16	(10)	CHARACTER	16	IXCYENFSTRNAME	Structure name, if resources pertaining to a specific structure became available, or binary zeroes if n/a. Used for IxcyenfFunctionStrAvail function
16	(10)	X'10'	0	IXCYENFFUNCTIONSTRAVAILDATA_LEN	"*-IXCYENFFUNCTIONSTRAVAILDATA"
16	(10)	BITSTRING	1	IXCYENFSYSTEMSYSPLEXDATA (0)	
16	(10)	CHARACTER	8	IXCYENFSYSNAME	System name of the system that has either entered the sysplex or has been removed from the sysplex. Used for the IxcyenfFunctionSysJoinedSysple x and IxcyenfFunctionSysLeftSysplex functions
24	(18)	SIGNED	4	IXCYENFSYSTEMID (0)	System Id
24	(18)	BITSTRING	1	IXCYENFSLOTNUMBER	System slot number
25	(19)	SIGNED	3		Reserved

Comment

Function codes

End of Comment

25	(19)	X'1'	0	IXCYENFFUNCTIONRESAVAIL	"1" New coupling facility resources have become available on this system. IXLCONN requests which previously failed may now succeed because of this new coupling facility resource.
25	(19)	X'2'	0	IXCYENFFUNCTIONSTRAVAIL	"2" A specific structure has become available for use. IXLCONN requests which previously failed may now succeed because of this new coupling facility resource.
25	(19)	X'3'	0	IXCYENFFUNCTIONSYSJOINEDSYSPLEX	"3" A system has joined the sysplex. Sysname is in the IxcyenfSysname field.
25	(19)	X'4'	0	IXCYENFFUNCTIONSYSLEFTSYSPLEX	"4" A system has been partitioned from the sysplex. Sysname is in the IxcyenfSysname field.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
25	(19)	X'5'	0	IXCYENFFUNCTIONSITEUPDATE	"5" A CF definition with a SITE specified has been added or an existing CF SITE specification has changed.
Comment					
Eyecatcher					
End of Comment					
25	(19)	X'D5C640'	0	IXCYENFEYECATCHER	"C'ENF "" Eyecatcher
25	(19)	X'C'	0	IXCYENFSYSTEMSYSPLEXDATA_LEN	**_IXCYENFSYSTEMSYSPLEXDATA"

IXCYENF Cross Reference

Name	Hex Offset	Hex Value
IXCYENF	0	
IXCYENF_LEN	10	100
IXCYENFACRONYM		
	0	
IXCYENFCOMPONENT		
	4	
IXCYENFEYECATCHER		
	19	D5C640
IXCYENFFUNCTION		
	C	
IXCYENFFUNCTIONDATA		
	10	
IXCYENFFUNCTIONRESAVAIL		
	19	1
IXCYENFFUNCTIONSITEUPDATE		
	19	5
IXCYENFFUNCTIONSTRAVAIL		
	19	2
IXCYENFFUNCTIONSTRAVAILDATA		
	10	
IXCYENFFUNCTIONSTRAVAILDATA_LEN		
	10	10
IXCYENFFUNCTIONSYSJOINEDSYSPLEX		
	19	3
IXCYENFFUNCTIONSYSLEFTSYSPLEX		
	19	4
IXCYENFSLOTNUMBER		
	18	
IXCYENFSTRNAME		
	10	
IXCYENFSYSNAME		
	10	
IXCYENFSYSTEMID		
	18	
IXCYENFSYSTEMSYSPLEXDATA		
	10	
IXCYENFSYSTEMSYSPLEXDATA_LEN		
	19	C

IXCYERE Information

IXCYERE Programming Interface information

Programming Interface information

IXCYERE

End of Programming Interface information

IXCYERE Heading Information • IXCYERE Map

IXCYERE Heading Information

Common Name: Automatic Restart Manager (ARM) Element Restart Installation Exit Parameter List
Macro ID: IXCYERE
DSECT Name: ERE
Owning Component: Cross System Coupling Facility (SCXCF)
 SUBCOMPONENT: Automatic Restart Manager
Eye-Catcher ID: ERE
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: 205
 Key: 4
Size: 272 bytes
Created by: IXCA3EEP
Pointed to by: Register 1 on entry to an Element-Restart-Exit routine
Serialization: None
Function: Mapping of parameter list that the Automatic Restart Manager passes to an Element Restart Exit routine

IXCYERE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ERE	
0	(0)	CHARACTER	4	EREACRONYM	Eyecatcher C'ERE '
4	(4)	BITSTRING	2	EREVENTCODE	Indicates whether restart is for element termination or system termination (input)
6	(6)	BITSTRING	1	ERERESTARTTYPE	Restart type (input/output) This field can be modified by the element restart exit to change the restart type. EreRestartNone -> On output, Element restart exit cancelled restart of this element.
7	(7)	CHARACTER 1... ..	1	EREFLAGS EREPERSJCLAVAIL	Flags (input)
		.1..		EREPOLICYSTARTTEXT	"X'80" 1=persistent JCL available for use, 0=persistent JCL not available
		..1.		ERELEMBINDCURSYS	"X'40" On -> Command to restart the element was supplied by ARM policy. The command text is supplied in EreStartTxt. Off -> Command to restart the element is either with persistent start text or was supplied by the application on the register request. If the start text was supplied by the application on the register request, EreStartTxt contains the restart text. This field is valid only when EreRestartType = EreRestartStartTxt and is an input field.
		...1		EREMUSTSUPPLYRESTARTTEXT	"X'20" 1=Element registered with ELEMbind=CURSYS option. Element has a minimum bind to the system on which it registered. 0=Element did not register with ELEMbind=CURSYS option.
8	(8)	CHARACTER	8	EREJOBNAME	Job name (input)
16	(10)	CHARACTER	16	ERELEMENTNAME	ARM element name (input)
32	(20)	CHARACTER	8	ERELEMENTTYPE	ARM element-type (input)
40	(28)	CHARACTER	8	EREHOMESYSTEM	System name of the system on which the element was first registered (input)
48	(30)	CHARACTER	8	EREFROMSYSTEM	System name of the system on which the element was previously running. (For restarts after an element termination, this is the same as ERetoSystem.) (input)
56	(38)	CHARACTER	8	ERETOSYSTEM	System name of the system on which the element is to be restarted (input)
64	(40)	CHARACTER	52	EREJCLDATASET (0)	Contains the name of the dataset with JCL used to restart the element if EreRestartType = EreRestartJCLover (input/output).
64	(40)	CHARACTER	44	EREJCLDSNAME	Name of data set containing override JCL
108	(6C)	CHARACTER	8	EREJCLMEMBERNAME	Name of member containing override JCL if data set is a PDS
116	(74)	CHARACTER	126	ERESTARTTXT	Start text, if restart is to be via a command (input/output) May be zero for system affiliated elements.
242	(F2)	CHARACTER	2	EREHOMECLONE	Clone id of system on which element originally registered (input)
244	(F4)	CHARACTER	28		RESERVED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Constants designating cause of restart (for EREEVENTCODE)					
End of Comment					
1		EREELEMTTERM	"X'0001" Restart caused by element termination
1.		ERESYSTEMTERM	"X'0002" Restart caused by a system termination
Comment					
Constants designating how/whether restart should be done (for ERERESTARTTYPE)					
End of Comment					
1		ERERESTARTNONE	"X'01" No restart to be performed
1.		ERERESTARTSTARTTXT	"X'02" Element restart is via a command specified in EreStartTxt. See ErePolicyStartText to determine the source of the restart command. If EreMustSupplyRestartText is on, there is no restart text in EreStartTxt.
11		ERERESTARTPERJCL	"X'03" Element restart is via persistent JCL. If set on output, ErePersJclAvail must be on.
1.		ERERESTARTJCLOVER	"X'04" Element restart is via JCL provided in the dataset whose name is in EreJclDsName. Element restart exits can reject use of this JCL and use the persistent JCL if ErePersJclAvail is set.
Comment					
Eyecatcher - for EREACRONYM field					
End of Comment					
272	(110)	CHARACTER	4	EREYEACHTER	Eyecatcher

IXCYERE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ERE	0		ERERESTARTNONE	F4	4
EREACRONYM	0		ERERESTARTPERJCL	F4	1
EREELEMBINDCURSYS	7	20	ERERESTARTSTARTTXT	F4	3
EREELEMENTNAME	10		ERERESTARTTYPE	F4	2
EREELEMENTTYPE	20		ERERESTARTTXT	6	
EREELEMTTERM	F4	1	ERESTARTTXT	74	
EREEVENTCODE	4		ERESYSTEMTERM	F4	2
EREYEACHTER	110	C5D9C540	ERETOSYSTEM	38	
EREFLAGS	7				
EREFROMSYSTEM	30				
EREHOMECLONE	F2				
EREHOMESYSTEM	28				
EREJCLDATASET	40				
EREJCLDSNAME	40				
EREJCLMEMBERNAME	6C				
EREJOBNAME	8				
EREMUSTSUPPLYRESTARTTEXT	7	10			
EREPERSJCLAVAIL	7	80			
EREPOLICYSTARTTEXT	7	40			
ERERESTARTJCLOVER					

IXCYEVE Information

IXCYEVE Programming Interface information

Programming Interface information

IXCYEVE

End of Programming Interface information

IXCYEVE Heading Information • IXCYEVE Map

IXCYEVE Heading Information

Common Name: Automatic Restart Manager Event-Exit Parameter List
Macro ID: IXCYEVE
DSECT Name: EVE
Owning Component: Cross System Coupling Facility (SCXCF)
 SUBCOMPONENT: Automatic Restart Manager (ARM)
Eye-Catcher ID: EVE
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: 203/private
 Key: 0
Size: 76 bytes
Created by: IXCA3EEP
Pointed to by: Register 1 on entry to the Event-Exit routine
Serialization: None
Function: Mapping of parameter list passed to an Event-Exit routine that was specified during the registration of an element. The Automatic Restart Manager invokes this exit when any of several events occur for the element. The Automatic Restart Manager's input to the exit includes an "event" code and "reason" code to indicate which event occurred.

IXCYEVE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EVE	
0	(0)	CHARACTER	4	EVEACRONYM	Eyecatcher C'EVE '
4	(4)	BITSTRING	4	EVEEVENTCODE	Code indicating the event that caused the invocation of the event-exit routine (input)
8	(8)	BITSTRING	4	EVEEVENTREASON	Code indicating the reason for the event indicated in EVEEventCode (input)
12	(C)	ADDRESS	4	EVEADDRWORKAREA	Address of area designated in the EVENTEXITPL parameter of the IXCARM-REGISTER macro for this element (or 0) (input)
16	(10)	BITSTRING	4	EVELENWORKAREA	Length of area designated in the EVENTEXITPL parameter of the IXCARM-REGISTER macro. This is the value that had been specified in the EXITPLEN parm of the IXCARM-REGISTER macro (input)
20	(14)	CHARACTER	8	EVEJOBNAME	Job name that this element had when last registered with ARM
28	(1C)	CHARACTER	16	EVEELEMENTNAME	ARM element name (input)
44	(2C)	CHARACTER	8	EVEELEMENTTYPE	ARM element type name (input)
52	(34)	CHARACTER	8	EVEFROMSYSTEM	System name of the system on which the element was previously running. (For restarts after an element termination, this is the same as EVEToSystem.) (input)
60	(3C)	CHARACTER	8	EVETOSYSTEM	System name of the system on which the element is about to be restarted. (This is also the system on which the event exit is running. (input)
68	(44)	CHARACTER	8		Reserved

Comment

Eyecatcher for EVEAcronym field

End of Comment

76	(4C)	CHARACTER	4	EVEEYECATCHER	Eyecatcher
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Eyecatcher

Comment

Event Codes for EVEEventCode field

End of Comment

....	...1	EVERESTART	"X'00000001"	Event Code for call when element is about to be restarted
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Comment

Reason Codes (for EVEEventReason) for Event Code 1 (restart)

End of Comment

....	...1	EVEELEMENTTERM	"X'00000001"	Element has terminated and is being restarted on same system
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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
	1.		EVESYSTEM	"X'00000002" System on which element was running has terminated or left the sysplex and element is being restarted on another system

IXCYEVE Cross Reference

Name	Hex Offset	Hex Value
EVE	0	
EVEACRONYM	0	
EVEADDRWORKAREA	C	
EVEELEMENTNAME	1C	
EVEELEMENTTYPE	2C	
EVEELEMTERM	4C	1
EVEEVENTCODE	4	
EVEEVENTREASON	8	
EVEEYECATCHER	4C	C5E5C540
EVEFROMSYSTEM	34	
EVEJOBNAME	14	
EVELENWORKAREA	10	
EVERESTART	4C	1
EVESYSTEM	4C	2
EVEVETOSYSTEM	3C	

IXCYGEPL Information

IXCYGEPL Programming Interface information

Programming Interface information

IXCYGEPL

End of Programming Interface information

IXCYGEPL Heading Information • IXCYGEPL Map

IXCYGEPL Heading Information

Common Name: Group Exit Parameter List
Macro ID: IXCYGEPL
DSECT Name: GEPL GEPL1
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above the 16 megabyte line.
 As below + 32 bytes for user state field
 GEPL -- X'00DC' bytes
 GEPL1 -- X'00EC' bytes
Size:
Created by: IXCGNTSK
Pointed to by: R1 on entry to the group exit
Serialization: None required
Function: Maps the parameters passed to the group exit

IXCYGEPL Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	GEPL	Group exit parameter list	
0	(0)	CHARACTER	88	GEPLGLBL (0)	Global GN control block parameters	
0	(0)	BITSTRING	8	GEPLMDAT	Member data value provided via the IXCJOIN which established the group exit	
8	(8)	CHARACTER	4	GEPLFLGS (0)		
8	(8)	BITSTRING	1	GEPLTYPE	Note: Member events are presented in a logic order (ie. a user state field change may be seen before a member state change such as a JOIN). 1 member status change (i.e. IXCJOIN etc.) 2 user state field change, Note that a subsystem failure detection interval modification could also have occurred. 4 Reserved 6 Reserved 7 member status update missing reported by subsystem's status exit 8 member status update missing detected by subsystem monitor DIE 9 member status update no longer missing 10 Reserved 11 system reported active 12 system update missing 13 system update resumed 14 system reported going 15 system reported gone 16 system detected missing 17 system detected gone 18 system failure detection interval updated 19 Reserved 20 Reserved 21 subsystem failure detection interval updated. Note that a user state modification could also have occurred. 22 system in partitioning (THIS SYSTEM). 23 monitoring removed for this member	
9	(9)	BITSTRING	1	GEPLOLDS	Member state before action in type field X'00' not defined, X'02' created, X'03' active, X'04' quiesced, X'05' failed	
10	(A)	BITSTRING	1	GEPLNEWS	Member state after action in type field X'00' not defined, X'02' created, X'03' active, X'04' quiesced, X'05' failed	
11	(B)	BITSTRING	1	GEPLFLG2 (0)		
		1...		GEPLMEME	"X'80" Bit is ON if event is a Member related event (ie. JOIN), OFF if system-related event ie System reported active	
		.1..		GEPLMONR	"X'40" Bit is ON if monitoring is removed for this member	
		..1.		GEPLMISR	"X'20" Member status update missing was reported by the members status exit	
		...1		GEPLMISR	"X'10" Member status update missing assumed by the status monitoring because the members status exit did not execute in time or terminated abnormally	
		.... 1...		GEPLSECC	"X'08" Bit is ON if this is the second time the exit is called for the same event. (ie. The exit abended the first time it was called for this event before recovery was established	
		.... .1..		GEPLCLEANUPINTVALID	"X'04" Indicates whether GEPLCLEANUPINT is valid or not. On, indicates that it is valid and off indicates that it isn't valid.	
12	(C)	CHARACTER	8	GEPLGNAM	Group Name	
20	(14)	CHARACTER	16	GEPLMNAM	Member Name	
36	(24)	BITSTRING	8	GEPLMTOK	Member token	

Comment

Note: The Member Token, Group name, and Member fields are set to 0 for events which are not member-related (i.e. GESYSACT, GESYSFDI, etc.)

End of Comment

44	(2C)	CHARACTER	8	GEPLSYS	System name where member last/currently active
52	(34)	BITSTRING	8	GEPLETIM	Time event occurred in STCK format
60	(3C)	SIGNED	4	GEPLINTV	Monitoring interval (system/subsystem) in hundredths of seconds. For system events contains the system FDI, for member events contains the subsystem FDI
64	(40)	BITSTRING	4	GEPLUDAT	User data field. -Contains the value passed back by the status exit in R0 the last time the exit reported status update missing or resumed
68	(44)	SIGNED	4	GEPLUSLN	Actual length of user state field

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
72	(48)	SIGNED	4	GEPLSID (0)	System token associated with system on which member was last active
72	(48)	BITSTRING	1	GEPLSNUM	System slot number
73	(49)	SIGNED	3		Reserved
76	(4C)	SIGNED	4	GEPLCLEANUPINT	Contains the current system (as defined by GEPLSID) cleanup interval. The interval is specified in seconds and can change dynamically. The GEPLCLEANUPINTVALID bit indicates whether the value could be provided or not.
80	(50)	CHARACTER	8		Reserved
88	(58)	SIGNED	4	GEPLUSOF	Offset from GEPL of 32-byte user state field. NOTE: It is possible that XCF can not determine a member's user state. This occurs when a member leaves on a system that has been partitioned out of the sysplex and the signal containing the event is lost due to the system's failure. In this case, XCF sets the user state field to 32-bytes of X'FF'. It should also be noted that a user can set a user state to this value. As a result, it is recommended that this value not be used by the user as a user state.
92	(5C)	CHARACTER	128	GEPLHSTY (0)	History Data
92	(5C)	CHARACTER	16	GEPLHIST (0)	Eight sets of fields containing the event time and expected duration of the last eight events which affected the member in GEPLMNAM, in LIFO order
92	(5C)	BITSTRING	8	GEPLHTIM	Time event occurred in STCK format
100	(64)	SIGNED	4	GEPLHTTM	Time event is expected to last, in units of hundredths of seconds, subsystem monitoring only, optional
104	(68)	BITSTRING	4	GEPLHFLG	Flags corresponding to GEPLFLGS, for prior events
220	(DC)	X'DC'	0	GEPL_LEN	"*-GEPL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GEPL1	CAUTION: GEPL1 may not exist. Check GEPLUSOF before using the GEPL1.
0	(0)	CHARACTER	220		Mapped by GEPL
220	(DC)	BITSTRING	1	GEPL1_VERSION	Version number of GEPL
221	(DD)	CHARACTER	7		Reserved
228	(E4)	BITSTRING	8	GEPL1_TARGETMEMTOKEN	Member token of the member whose group exit is being driven.
228	(E4)	X'DC'	0	GEPL_KONLYBASE	"220" Compare this value to GEPLUSOF to determine whether the GEPL1 is available for use by the group exit.
228	(E4)	X'1'	0	GEPL_KVERSION1	"1" Version 1 of GEPL.
228	(E4)	X'DC'	0	GEPLLEN	"220" Preserve defining of this name in the assembler (for compatibility with previous releases).

Comment

Declaration of constants for use in group exits - (GEPLTYPE)

End of Comment

228	(E4)	X'1'	0	GEMSTATE	"1" Member state event
228	(E4)	X'2'	0	GEUSTATE	"2" User state event 4 - Reserved 6 - Reserved
228	(E4)	X'7'	0	GEMSUMSE	"7" Member status update missing reported by status exit
228	(E4)	X'8'	0	GEMSUMDI	"8" Member status update missing detected by subsystem DIE
228	(E4)	X'9'	0	GEMNOSUM	"9" Member status update not missing 10 - reserved
228	(E4)	X'B'	0	GESYSACT	"11" SYSTEM reported active
228	(E4)	X'C'	0	GESYSSUM	"12" SYSTEM update missing
228	(E4)	X'D'	0	GESYSSUR	"13" SYSTEM update resume
228	(E4)	X'E'	0	GESYSGO	"14" SYSTEM reported going
228	(E4)	X'F'	0	GESYSGON	"15" SYSTEM reported gone
228	(E4)	X'10'	0	GESYSDM	"16" SYSTEM detected missing
228	(E4)	X'11'	0	GESYSDG	"17" SYSTEM detected gone
228	(E4)	X'12'	0	GESYSFDI	"18" SYSTEM failure detection interval updated 19 - Reserved 20 - Reserved
228	(E4)	X'15'	0	GESUBFDI	"21" Subsystem failure detection interval updated
228	(E4)	X'16'	0	GESYSPRT	"22" System in partitioning
228	(E4)	X'17'	0	GEMONREM	"23" Monitoring removed

Comment

Declaration of constants for use in group exits
GEPLOLDS & GEPLNEWS

End of Comment

228	(E4)	X'0'	0	GENOTDEF	"0" Member not defined
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IXCYGEPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
228	(E4)	X'2'	0	GECREATE	"2" Member created
228	(E4)	X'3'	0	GEACTIVE	"3" Member active
228	(E4)	X'4'	0	GEQUIESC	"4" Member quiesced
228	(E4)	X'5'	0	GEFAILED	"5" Member failed
228	(E4)	X'EC'	0	GEPL1_LEN	**GEPL1"

IXCYGEPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GEACTIVE	E4	3	GESYSSUM	E4	C
GECREATE	E4	2	GESYSSUR	E4	D
GEFAILED	E4	5	GEUSTATE	E4	2
GEMNOSUM	E4	9			
GEMONREM	E4	17			
GEMSTATE	E4	1			
GEMSUMDI	E4	8			
GEMSUMSE	E4	7			
GENOTDEF	E4	0			
GEPL	0				
GEPL_KONLYBASE	E4	DC			
GEPL_KVERSION1	E4	1			
GEPL_LEN	DC	DC			
GEPLCLEANUPINT	4C				
GEPLCLEANUPINTVALID	B	4			
GEPLETIM	34				
GEPLFLGS	8				
GEPLFLG2	B				
GEPLGLBL	0				
GEPLGNAM	C				
GEPLHFLG	68				
GEPLHIST	5C				
GEPLHSTY	5C				
GEPLHTIM	5C				
GEPLHTTM	64				
GEPLINTV	3C				
GEPLLEN	E4	DC			
GEPLMDAT	0				
GEPLMEME	B	80			
GEPLMISD	B	10			
GEPLMISR	B	20			
GEPLMNAM	14				
GEPLMONR	B	40			
GEPLMTOK	24				
GEPLNEWS	A				
GEPLOLDS	9				
GEPLSECC	B	8			
GEPLSID	48				
GEPLSNUM	48				
GEPLSYS	2C				
GEPLTYPE	8				
GEPLUDAT	40				
GEPLUSLN	44				
GEPLUSOF	58				
GEPL1	0				
GEPL1_LEN	E4	EC			
GEPL1_TARGETMEMTOKEN	E4				
GEPL1_VERSION	DC				
GEQUIESC	E4	4			
GESUBFDI	E4	15			
GESYSACT	E4	B			
GESYSDG	E4	11			
GESYSDM	E4	10			
GESYSFDI	E4	12			
GESYSGO	E4	E			
GESYSGON	E4	F			
GESYSPRT	E4	16			

IXCYMEPL Information

IXCYMEPL Programming Interface information

Programming Interface information

IXCYMEPL

End of Programming Interface information

IXCYMEPL Heading Information • IXCYMEPL Map

IXCYMEPL Heading Information

Common Name: Message Exit Parameter List
Macro ID: IXCYMEPL
DSECT Name: MEPL MEPLEX
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245, 248
 Key: 0
 Residency: Any
Size: MEPLEX2 -- X'0054' bytes
 MEPL -- X'0074' bytes
 MEPLEX -- X'0014' bytes
Created by: IXCS1DCM - getmain
 IXCS1STB - initialization
 IXCT1BER - initialization
 IXCT1MPS - initialization
Pointed to by: R1 on entry to a message exit routine
Serialization: Serialized by virtue of the fact that there is but one message exit routine presented with a particular MEPL at any one time.
Function: Maps the parameters passed to a message exit routine

IXCYMEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MEPL	Message exit parameter list
0	(0)	BITSTRING	4	MEPLMTOK	Maintained for compatibility with users of version 0 parameter list. Use MepIMsgiToken for version 1 parameter lists. For initial delivery of a message (MepISolicited='0'B), contains a token that can be supplied via the MSGTOKEN keyword to the message-in service (IXCMSGI). Not defined for solicited message delivery (MepISolicited='1'B) and will not be accepted by message-in service as a message token.
4	(4)	BITSTRING	8	MEPLMDAT	Data associated with the message by the target member. Contains a copy of the member data specified by the MEMDATA keyword when the Join Service (IXCJOIN) was invoked by the target member.
12	(C)	SIGNED	4	MEPLMLN	Total number of bytes of message data available (remaining) for delivery via the message-in service. The length is accurate only on entry to the exit routine. It is NOT updated while the exit routine is running to reflect any partial deliveries performed by the exit.
16	(10)	BITSTRING	8	MEPLSRCE	Member token of originator of the signal
24	(18)	CHARACTER	32	MEPLCNTL	MSGCNTL value from originator of the signal

Comment

 Fields available with version 1 mapping
 Note: The MepIVersion field is not mapped in the version 0 MEPL, but users of the version 1 mapping can still test this field to determine the contents of the parameter list, regardless of the MVS release on which their code is running.
 The version 1 parameter list is passed to all message exit routines as of MVS JBB6602.

End of Comment

56	(38)	BITSTRING	1	MEPLVERSION	Version number of MEPL
57	(39)	BITSTRING	3	MEPLFLAGS (0)	Applies to version 1 Flags describing characteristics of the message or its delivery.
57	(39)	BITSTRING 1...	1	MEPLFLAGS1 (0) MEPLSOLICITED	"X'80" Applies to version 1 Indicates whether message exit was solicited by the user: '0'B when message delivery is initiated by XCF, '1'B for delivery solicited by the user (by invoking the message-control CALLEXIT service to call a message exit routine.
		.1...		MEPLNEEDSRESPONSE	"X'40" Applies to version 1 Indicates whether the sender requested that XCF manage the gathering of a response to this message: '1'B if XCF is managing the response, '0'B if not. If so, send a response using the IXCMSGO service, specifying ORIGINATOR for the SENDTO keyword and supplying a RESPONSEID equal to the value provided in the MepIResponseID field below. Note that this flag reflects a specification made by the sender when the message was originally sent, and cannot be used to determine whether the desired response was sent or received.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		MEPLISARESPONSE	"X'20" Applies to version 1 Indicates whether this message is a response that is being managed by XCF: '1'B if it is an XCF managed response, '0'B if not. This response message will be presented to the message exit driven by the Message Control (IXCMSGC) CallExit service for a saved response message. Note that MeplNeedsResponse and MeplIsaResponse are mutually exclusive.
		...1		MEPLDELIVERED	"X'10" '1'B if some portion of the message was delivered by message-in service, '0'B if none of the message was delivered. Applies to version 1
		.... 1...		MEPLSAVED	"X'08" '1'B if the message was saved with the message control SAVEMSG service. Applies to version 1
		.... .1..		MEPLORDEREDMSG	"X'04" '1'B if the sender requested ordered message delivery. Applies to version 1
		.... ..1.		MEPLPOTENTIALDUPLICATE	"X'02" '1'B if the message being presented to the message exit has the potential to be delivered multiple times. Applies to version 1
		.... ...1		MEPLEXTENSIONDATA	"X'01" '1'B if there is additional data to be presented to the message exit. The data presented will be mapped by MeplEx. Applies to version 1
58	(3A)	BITSTRING 1...	1	MEPLFLAGS2 (0) MEPLHASEX2	"X'80" '1'B if the MeplExtensionData includes data mapped by MeplEx2.
59	(3B)	BITSTRING	1	MEPLFLAGS3	Reserved
60	(3C)	BITSTRING	8	MEPLTARGETMEMTOKEN	Applies to version 1 Member token of the member to which this message was sent.
68	(44)	CHARACTER	16	MEPLMSGITOKEN	Applies to version 1 Token to identify the message being delivered. Specify this value for the IXCMSGI TOKEN() keyword when invoking the message-in service (IXCMSGI) to receive the text of the message. Specify this value for the TOKEN keyword when invoking the message-control SAVE service (IXCMSGC) to save the message for later processing. This token is valid for use only in the context of a message-exit routine.
84	(54)	CHARACTER	24	MEPLRESPONSEID	Applies to version 1 Message Response ID. Valid when the MeplNeedsResponse flag is '1'B, otherwise undefined. Specify this value for the RESPONSEID keyword when invoking the message-out service (IXCMSGO) to reply to this message.
108	(6C)	ADDRESS	4	MEPLEXTENSIONADDR	Applies to version 1 Address of additional data provided to the message exit. Valid when MeplExtensionData flag is set to '1'B, otherwise undefined.
112	(70)	SIGNED	4	MEPLSTREAMID	Applies to version 1 StreamID for this message
112	(70)	X'74'	0	MEPLLEN	"116" Length in bytes of the latest version of the MEPL (name preserved for compatibility with previous releases).

Comment

Version numbers for MeplVersion

End of Comment

112	(70)	X'0'	0	MEPLKVERSION0	"0" Version 0
112	(70)	X'1'	0	MEPLKVERSION1	"1" Version 1
112	(70)	X'74'	0	MEPL_LEN	"*-MEPL"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MEPLEX	Message exit parameter list Extension. Additional data provided to the message exit when MeplExtensionData='1'B. Applies to version 1
0	(0)	BITSTRING	8	MEPLEXUSERDATA	Data associated with the saved message by the target member. For user solicited delivery (MeplSolicited='1'B), contains a copy of the user data specified by the USERDATA keyword when the message was saved by the message-control service (IXCMSGC). If USERDATA was not specified, set to hexadecimal zero.
8	(8)	BITSTRING	4	MEPLEXFLAGS	Reserved
12	(C)	BITSTRING	8	MEPLEXEXITPARMS	User parameters. Valid for user solicited delivery (MeplSolicited='1'B), in which case it contains a copy of the data specified for the EXITPARMS keyword when the message control service (IXCMSGC) was invoked to recall the message exit. If no EXITPARMS was specified, set to hexadecimal zero.

IXCYMEPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
12	(C)	X'14'	0	MEPLEX_LEN	""-MEPLEX"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	MEPLEX2	Message exit parameter list Extension. Additional data provided to the message exit when MepIHasEx2 = '1'B.
0	(0)	CHARACTER	20	MEPLEX2MSGTAG	This area is mapped by MepIEx as usual
20	(14)	CHARACTER	64		
20	(14)	X'54'	0	MEPLEX2_LEN	Message tag associated with message when most recently saved ""-MEPLEX2"

IXCYMEPL Cross Reference

Name	Hex Offset	Hex Value
MEPL	0	
MEPL_LEN	70	74
MEPLCNTL	18	
MEPLDELIVERED		
	39	10
MEPLEX	0	
MEPLEX_LEN	C	14
MEPLEXEXITPARMS		
	C	
MEPLEXFLAGS	8	
MEPLEXTENSIONADDR		
	6C	
MEPLEXTENSIONDATA		
	39	1
MEPLEXUSERDATA		
	0	
MEPLEX2	0	
MEPLEX2_LEN	14	54
MEPLEX2MSGTAG		
	14	
MEPLFLAGS	39	
MEPLFLAGS1	39	
MEPLFLAGS2	3A	
MEPLFLAGS3	3B	
MEPLHASEX2	3A	80
MEPLISARESPONSE		
	39	20
MEPLKVERSION0		
	70	0
MEPLKVERSION1		
	70	1
MEPLLEN	70	74
MEPLMDAT	4	
MEPLMLN	C	
MEPLMSGITOKEN		
	44	
MEPLMTOK	0	
MEPLNEEDSRESPONSE		
	39	40
MEPLORDEREDMSG		
	39	4
MEPLPOTENTIALDUPLICATE		
	39	2
MEPLRESPONSEID		
	54	
MEPLSAVED	39	8
MEPLSOLICITED		
	39	80
MEPLSRCE	10	
MEPLSTREAMID	70	
MEPLTARGETMEMTOKEN		
	3C	
MEPLVERSION	38	

IXCYMNPL Information

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IXCYMNPL

End of Programming Interface information

IXCYMNPL Heading Information • IXCYMNPL Map

IXCYMNPL Heading Information

Common Name: Message Notification Exit Parameter List
Macro ID: IXCYMNPL
DSECT Name: MnpI MnpIDataRecord MnpITargOnlyEntry MnpITargRespEntry MnpIMemberRecord
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245, 248
 Key: 0
 Residency: Any
Size: MNPLMEMBERRECORD -- X'0024' bytes
 MNPL -- X'0028' bytes
 MNPLDATARECORD -- X'0010' bytes
 MNPLTARGONLYENTRY -- X'0010' bytes
 MNPLTARGRESPENTRY -- X'0068' bytes
Created by: IXCS1COM
 IXCS1MSC
Pointed to by: R1 on entry to the message notification exit
Serialization: Serialized by virtue of the fact that there is but one message notification exit routine presented with a particular MNPL at any one time.
Function: Maps the parameters passed to the message notification exit

IXCYMNPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MNPL	Message Notification exit Parameter List
0	(0)	BITSTRING	1	MNPLVERSION	Version number of this parameter list
1	(1)	BITSTRING	1	MNPLTYPE	Type of notification that is presented. See MnpIKeyType constants defined below. Note: assume that new types of message notifications will be presented in the future.
2	(2)	BITSTRING	2	MNPLFLAGS (0)	Notification flags Flags describing characteristics of the notification or its presentation.
		1... ..		MNPLSOLICITED	"X'80" Indicates whether notification was solicited by the user: '0'B when notification is initiated by XCF, '1'B for notification solicited by the user (the member invoked IXCMMSGC CALLEXIT service to call a notify exit routine). Note that a user solicited notification can be the first notification that is presented.
2	(2)	BITSTRING	1		Reserved.
4	(4)	SIGNED	4		Reserved.
8	(8)	BITSTRING	8	MNPLMEMTOKEN	Member token of the member to which this notification is presented.
16	(10)	BITSTRING	8	MNPLMEMDATA	Copy of the member data specified by the MEMDATA keyword when the Join Service (IXCJOIN) was invoked by the member to which this notification is presented.
24	(18)	BITSTRING	8	MNPLEXITPARMS	User exit parameters. For a solicited notification (MnpISolicited='1'B), contains a copy of the data specified for the EXITPARMS keyword when the message control service (IXCMMSGC) was invoked to call the notify routine. For an unsolicited notification (MnpISolicited='0'B), set to hexadecimal zero.
32	(20)	SIGNED	4	MNPL#DATARECORDS	Number of data records provided.
36	(24)	SIGNED	4	MNPLDATARECOFFSET	Offset from the start of the MNPL at which the first data record can be found.

Comment

Type of Notification

Exploiters should assume that new types of notification will be provided in the future. The notify exit user routine should be coded to tolerate them.

End of Comment

36	(24)	X'0'	0	MNPLKVERSION0	"0" Initial version
36	(24)	X'1'	0	MNPLKTYPEMSGOCOMplete	"1" Message Out request completed.
36	(24)	X'2'	0	MNPLKTYPERESUMEMSGO	"2" The member can once again invoke the message-out service (IXCMMSGO).
36	(24)	X'28'	0	MNPL_LEN	"*-MNPL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MNPLDATARECORD	
					Data record
0	(0)	BITSTRING	1	MNPLRECTYPE	Type of data described in this record.
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	MNPLRECLN	Number of bytes in this data record.
8	(8)	CHARACTER	8		Reserved
16	(10)	CHARACTER	1	MNPLRECDATA (0)	Variable content of the record. Use MnplRecType to determine which of the mappings below is applicable.

Comment

Record Types

Exploiters should assume that new record types will be provided in the future. The notify exit user routine should be coded to tolerate them. In particular note that new types of records can be inserted into the collection of records that are provided for a particular type of notification.

End of Comment

16	(10)	X'1'	0	MNPLKRECTYPEMSGOUT	"1" Msgout record
16	(10)	X'10'	0	MNPLDATARECORD_LEN	"*-MNPLDATARECORD"

Comment

Msgout RecData

Applies when: MnplRecType = MnplKRecTypeMsgout
 Provided for: MnplType = MnplKTypeMsoComplete

End of Comment

16	(10)	BITSTRING	1	MNPLMSGOUTRECORD (0)	
16	(10)	CHARACTER	16	MNPLMSGOTOKEN	Token used to identify this message and any associated responses to other XCF services (such as IXCMSGC).
32	(20)	BITSTRING	8	MNPLMSGOUSERDATA	User data associated with the message. Contains a copy of the data specified for the USERDATA keyword when the message-out service (IXCMSGO) was invoked to send the message or as modified by the message control service (IXCMSGC) when message was saved or completed.
40	(28)	BITSTRING	4	MNPLMSGOFLAGS (0)	
40	(28)	BITSTRING	1	MNPLMSGOFLAGS0 (0)	Flags byte 0 describing characteristics of the message
		1...		MNPLMSGOBROADCAST	"X'80" Indicates that the sender specified SENDTO(GROUP) on the IXCMSGO invocation.
		.1..		MNPLMSGOGETRESPONSE	"X'40" Indicates whether the sender of this message requested XCF management of responses.
		..1.		MNPLMSGOISARESPONSE	"X'20" Indicates whether this message is a response being managed by XCF.
		...1		MNPLMSGOSENDPENDING	"X'10" Desired send(s) not initiated by the message-out service.
		.... 1...		MNPLMSGORESPENDING	"X'08" Expected response(s) not received.
		.... .1..		MNPLMSGOCOMPLETED	"X'04" Indicates whether message considered to be complete. Note that this flag is not mutually exclusive with the Send/RespPending flags since completion may have been forced or the message may have timed out.
		.... ..1.		MNPLMSGOTIMEDOUT	"X'02" '1'B if the message did not complete within the time-out period.
		.... ...1		MNPLMSGOCANCELLED	"X'01" '1'B if the message was cancelled before normal completion occurred. The message is considered cancelled if it was Forced to Completion.
41	(29)	BITSTRING	1	MNPLMSGOFLAGS1 (0)	Flags byte 1 describing characteristics of the message
		1...		MNPLMSGONOTIFYBYEXIT	

IXCYMNPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		MNPLMSGOSUCCESSFUL	"X'80" Sender requested notification of message completion by exit scheduled by XCF when the message is complete
		...1		MNPLMSGOSAVED	"X'20" Indicates whether the request completed successfully where no sends were rejected and all responses were received for broadcast get response requests or no sends were rejected for broadcast noresponse requests
		.... 1...		MNPLMSGOASYNCSGACCESS	"X'10" Message was saved
				MNPLMSGOASYNCSGACCESS	"X'08" Indicates whether XCF accessed user storage describing/containing the message from a unit of work asynchronous to the IXCMSSGO/IXCMSSGOX service routines.
42	(2A)	BITSTRING	1	MNPLMSGOFLAGS2	Flags byte 2
43	(2B)	BITSTRING	1	MNPLMSGOFLAGS3	Flags byte 3
44	(2C)	SIGNED	4	MNPLMSGOMLEN	Number of bytes of message data for message-out request
48	(30)	BITSTRING	8	MNPLMSGOSOURCE	Member token of the sending member.
56	(38)	CHARACTER	32	MNPLMSGOMSGCNTL	Message control data from the message out request
88	(58)	SIGNED	4	MNPLMSGO#TARGETS	Number of targets for message (including skipped targets). Reserved
92	(5C)	CHARACTER	4		
96	(60)	ADDRESS	4	MNPLMSGOTBLPTR	Address of table containing target/response information for this message. Entries in the table are mapped by one of the following: MnpITargOnlyEntry MnpITargRespEntry Use MnpIMsgoEntType to determine which mapping should be used. Reserved
100	(64)	CHARACTER	1		
101	(65)	BITSTRING	1	MNPLMSGOENTTYPE	Code that identifies which mapping to use for the entries in the table of target/response data
102	(66)	SIGNED	2	MNPLMSGOENTLEN	Length in bytes of an individual entry in the table containing target/response information.
102	(66)	X'1'	0	MNPLKMSGOENTTYPETARGETONLY	"1" Use MnpITargOnlyEntry
102	(66)	X'2'	0	MNPLKMSGOENTTYPETARGETRESP	"2" Use MnpITargRespEntry
102	(66)	X'58'	0	MNPLMSGOUTRECORD_LEN	"*-MNPLMSGOUTRECORD"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	MNPLTARGONLYENTRY	Entry to describe result of send to one particular target member.
0	(0)	BITSTRING	8	MNPLTOTARGET	Target member token.
8	(8)	BITSTRING	4	MNPLTOSENDSTATUS	(0) Status of the message send
8	(8)	BITSTRING	2	MNPLTOSENDFLAGS	(0)
8	(8)	BITSTRING	1	MNPLTOSENDFLAGS1	(0)
		1...		MNPLTOSENDINITIATED	"X'80" '1'B if XCF initiated the send to this target member It is not necessarily the case that the initiated send was successful.
		.1.		MNPLTOSENDSKIPPED	"X'40" '1'B when sending of the message to the target member was skipped. The target member was skipped because the target member token in a message-out target table was hexadecimal zero which indicates that the sender wanted to skip the entry or the system excluded a group member from the collection of members to send the message to.
		..1.		MNPLTOSENDPENDING	"X'20" '1'B if the send to this target member is pending. The message is eligible to be sent. MnpIToSendInitiated indicates whether XCF has initiated the send.
		...1		MNPLTOSENDREJECTED	"X'10" '1'B if the send to this target member is rejected. The message is not eligible to be sent.
		.... 1...		MNPLTOSENDASYNCSGACCESS	"X'08" '1'B if an AsyncMsgAccess send to this target member was started

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
9	(9)	BITSTRING	1	MNPLTOSENDIAG109	XCF diagnostic info
10	(A)	BITSTRING	1		Reserved.
11	(B)	BITSTRING	1	MNPLTOSENDRETCODE	Return code from message-out service (IXCMSGO) with respect to the send to this particular target.
12	(C)	SIGNED	4	MNPLTOSENDRSNCODE	Valid if MnpIToSendRetCode is nonzero. If so, contains failing reason code from message-out service.
12	(C)	X'10'	0	MNPLTARGONLYENTRY_LEN	** -MNPLTARGONLYENTRY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MNPLTARGRESPENTRY	Entry to describe result of send to and response from one target member.
0	(0)	BITSTRING	8	MNPLTRTARGET	Target member token.
8	(8)	BITSTRING	4	MNPLTRSENDSTATUS	
		(0)			Status of the message send
8	(8)	BITSTRING	2	MNPLTRSENDFLAGS	
		(0)			
8	(8)	BITSTRING	1	MNPLTRSENDFLAGS1	
		(0)			
		1...		MNPLTRSENDINITIATED	"X'80" '1'B if XCF initiated the send to this target member It is not necessarily the case that the initiated send was successful.
		.1..		MNPLTRSENDSKIPPED	"X'40" '1'B when sending of the message to the target member was skipped. The target member was skipped because the target member token in a message-out target table was hexadecimal zero which indicates that the sender wanted to skip the entry or the system excluded a group member from the collection of members to send the message to.
		..1.		MNPLTRSENDPENDING	"X'20" '1'B if the send to this target member is pending. The message is eligible to be sent. MnpITrSendInitiated indicates whether XCF has initiated the send.
		...1		MNPLTRSENDREJECTED	"X'10" '1'B if the send to this target member is rejected. The message is not eligible to be sent.
		.... 1...		MNPLTRSENDASYNCMSGACCESS	"X'08" '1'B if an AsyncMsgAccess send to this target member was started
9	(9)	BITSTRING	1	MNPLTRSENDIAG109	XCF diagnostic info
10	(A)	BITSTRING	1		Reserved.
11	(B)	BITSTRING	1	MNPLTRSENDRETCODE	Return code from message-out service (IXCMSGO) with respect to the send to this particular target.
12	(C)	SIGNED	4	MNPLTRSENDRSNCODE	Valid if MnpITrSendretCode is nonzero. If so, contains failing reason code from message-out service.
16	(10)	BITSTRING	4	MNPLTRRESPSTATUS	
		(0)			Status of response message
16	(10)	BITSTRING	2	MNPLTRRESPFLAGS	
		(0)			
		1...		MNPLTRRESPEXPECTED	"X'80" '1'B if XCF expected the the target member to respond, '0'B if not. Initialized according to whether the sending member requested that XCF manage the gathering of a response to this message. Reset if XCF determines that it should no longer expect a response (such as when target member becomes not active).
		.1..		MNPLTRRESPRECEIVED	"X'40" '1'B if a response was received by XCF, '0'B if not.
		..1.		MNPLTRRESPAVAILABLE	"X'20" '1'B if the associated response is available, '0'B if not. If response is available, MnpITrMsgiToken is valid for use. If the response was received but the associated response is not available, the response was delivered, saved, or discarded.
		...1		MNPLTRRESPDELIVERED	

IXCYMNPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		MNPLTRRESPSAVED	"X'10" '1'B if some portion of the response was delivered by message-in service, '0'B if none of the response was delivered
		.... .1..		MNPLTRRESPDISCARDED	"X'08" '1'B if the response was saved with the message control SAVEMSG service.
					"X'04" '1'B if the response was discarded with the message control DISCARDMSG service.
16	(10)	BITSTRING	1		Reserved.
18	(12)	BITSTRING	1		Reserved.
19	(13)	BITSTRING	1	MNPLTRRESPCODE	Code to explain why XCF believes the response was not received. See MnplKRespCode constants defined below. Valid when MnplTrRespReceived is '0'B.
20	(14)	SIGNED	4	MNPLTRRESPMLEN	Total number of bytes of message data available (remaining) for delivery via the message-in service. The length is accurate only on entry to the exit routine. It is NOT updated while the exit routine is running to reflect any partial deliveries performed by the exit. Valid when MnplTrRespAvailable is '1'B.
24	(18)	BITSTRING	8	MNPLTRRESPSRCE	Member token of originator of the response. Valid when MnplTrRespReceived is '1'B.
32	(20)	CHARACTER	32	MNPLTRRESPCNTL	MSGCNTL value from originator of the response. Valid when MnplTrRespReceived is '1'B.
64	(40)	CHARACTER	16	MNPLTRMSGITOKEN	Token to identify the response message. Specify this value for the TOKEN keyword when invoking the message-in service or the message control service to process this message. Valid when MnplTrRespAvailable is '1'B.
80	(50)	CHARACTER	24		reserved
80	(50)	X'0'	0	MNPLKRESPCODENOTRECEIVED	"0" Expected response did not arrive before message completed
80	(50)	X'1'	0	MNPLKRESPCODEMSGNOTSENT	"1" Message-out request was never sent to the target member.
80	(50)	X'2'	0	MNPLKRESPCODECANREPLYNO	"2" Target specified NO for CANREPLY on IXCJOIN service, or target member is active on a system that does not support XCF managed collection of responses.
80	(50)	X'3'	0	MNPLKRESPCODETARGETINACTIVE	"3" Target member not active. The message may or may not have been delivered to the target before it terminated.
80	(50)	X'4'	0	MNPLKRESPCODERESPONDERINACTIVE	"4" Target member not active. The message is known to have been successfully presented to the target.
80	(50)	X'5'	0	MNPLKRESPCODEDELIVEREDCS	"5" Client/Server (IXCSEND) message was successfully delivered to the target server
80	(50)	X'68'	0	MNPLTARGRESPENTRY_LEN	**MNPLTARGRESPENTRY"

IXCYMNPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MNPL	0			50	2
MNPL_LEN	24	28	MNPLKRESPCODEDELIVEREDCS		
MNPL#DATAARECORDS				50	5
	20		MNPLKRESPCODEMSGNOTSENT		
MNPLDATAARECOFFSET				50	1
	24		MNPLKRESPCODENOTRECEIVED		
MNPLDATAARECORD				50	0
	0		MNPLKRESPCODERESPONDERINACTIVE		
MNPLDATAARECORD_LEN				50	4
	10	10	MNPLKRESPCODETARGETINACTIVE		
MNPLEXITPARMS				50	3
	18		MNPLKTYPEMSGOCOMplete		
MNPLFLAGS	2			24	1
MNPLKMSGOENTTYPETARGONLY			MNPLKTYPEPERESUMEMSGO		
	66	1		24	2
MNPLKMSGOENTTYPETARGRESP			MNPLKVERSION0		
	66	2		24	0
MNPLKRECTYPEMSGOUT			MNPLMEMDATA		
	10	1		10	
MNPLKRESPCODECANREPLYNO			MNPLMEMTOKEN		
				8	
			MNPLMSGO#TARGETS		

IXCYMNPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	58			8	
MNPLMSGOASYNCSGACCESS			MNPLTOSENDINITIATED		
	29	8		8	80
MNPLMSGOBROADCAST			MNPLTOSENDPENDING		
	28	80		8	20
MNPLMSGOCANCELLED			MNPLTOSENDREJECTED		
	28	1		8	10
MNPLMSGOCOMPLETED			MNPLTOSENDRETCODE		
	28	4		B	
MNPLMSGOENTLEN			MNPLTOSENDRSNCODE		
	66			C	
MNPLMSGOENTTYPE			MNPLTOSENDSKIPPED		
	65			8	40
MNPLMSGOFLAGS			MNPLTOSENDSTATUS		
	28			8	
MNPLMSGOFLAGS0			MNPLTOTARGET		
	28		MNPLTRMSGITOKEN		
MNPLMSGOFLAGS1				40	
	29		MNPLTRRESPAVAILABLE		
MNPLMSGOFLAGS2				10	20
	2A		MNPLTRRESPCNTL		
MNPLMSGOFLAGS3				20	
	2B		MNPLTRRESPCODE		
MNPLMSGOGETRESPONSE				13	
	28	40	MNPLTRRESPDELIVERED		
MNPLMSGOISARESPONSE				10	10
	28	20	MNPLTRRESPDISCARDED		
MNPLMSGOMLEN				10	4
MNPLMSGOMSGCNTL			MNPLTRRESPEXPECTED		
	38			10	80
MNPLMSGONOTIFYBYEXIT			MNPLTRRESPFLAGS		
	29	80		10	
MNPLMSGORESPENDING			MNPLTRRESPMLEN		
	28	8		14	
MNPLMSGOSAVED			MNPLTRRESPRECEIVED		
	29	10		10	40
MNPLMSGOSENDPENDING			MNPLTRRESPSAVED		
	28	10		10	8
MNPLMSGOSOURCE			MNPLTRRESPSRCE		
	30			18	
MNPLMSGOSUCCESSFUL			MNPLTRRESPSTATUS		
	29	20		10	
MNPLMSGOTBLPTR			MNPLTRSENDASYNCSGACCESS		
	60			8	8
MNPLMSGOTIMEDOUT			MNPLTRSENDI109		
	28	2		9	
MNPLMSGOTOKEN			MNPLTRSENDFLAGS		
	10			8	
MNPLMSGOUSERDATA			MNPLTRSENDFLAGS1		
	20			8	
MNPLMSGOUTRECORD			MNPLTRSENDINITIATED		
	10			8	80
MNPLMSGOUTRECORD_LEN			MNPLTRSENDPENDING		
	66	58		8	20
MNPLRECDATA			MNPLTRSENDREJECTED		
	10			8	10
MNPLRECLLEN			MNPLTRSENDRETCODE		
	4			B	
MNPLRECTYPE			MNPLTRSENDRSNCODE		
MNPLSOLICITED				C	
	2	80	MNPLTRSENDSKIPPED		
MNPLTARGONLYENTRY				8	40
	0		MNPLTRSENDSTATUS		
MNPLTARGONLYENTRY_LEN				8	
	C	10	MNPLTRTARGET		
MNPLTARGRESPENTRY				0	
	0		MNPLTYPE		
MNPLTARGRESPENTRY_LEN				1	
	50	68	MNPLVERSION		
MNPLTOSENDASYNCSGACCESS				0	
	8	8			
MNPLTOSENDI109					
	9				
MNPLTOSENDFLAGS					
	8				
MNPLTOSENDFLAGS1					

IXCYMQAA Information

IXCYMQAA Programming Interface information

Programming Interface information

IXCYMQAA

End of Programming Interface information

IXCYMQAA Heading Information • IXCYMQAA Map

IXCYMQAA Heading Information

Common Name: Message Control Query Answer Area
Macro ID: IXCYMQAA
DSECT Name: MqaHdr MqaEntry MqaTargOnlyEntry MqaTargRespEntry
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: Variable
 MQATARGRESPENTRY1 -- X'0058' bytes
 MQAHDR -- X'0010' bytes
 MQAENTRY -- X'0010' bytes
 MQATARGONLYENTRY -- X'0010' bytes
 MQATARGRESPENTRY -- X'0014' bytes
Created by: IXCS1MSC
Pointed to by: ANSAREA_ADDR field in IXCMSGC parameter list
Serialization: None required
Function: Maps information returned by the XCF Message-Control Service (IXCMSGC) for REQUEST(QUERYMSG).

IXCYMQAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MQAHDR	Header record returned on all queries.
0	(0)	SIGNED	4	MQAHDRLLEN	Length in bytes of MqaHeader
4	(4)	SIGNED	4	MQAHDRTLEN	Total length in bytes of data area needed to contain all the requested information This length includes the header as well as the entries that WERE returned on this call.
8	(8)	SIGNED	4	MQAHDR#ENTRIES	Number of complete entries of all kinds that were returned on this call (does not include the header).
12	(C)	SIGNED	4	MQAHDRENTOFFSET	Offset from MqaHeader at which first entry is located.
12	(C)	X'10'	0	MQAHDR_LEN	"*-MQAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MQAENTRY	Data record
0	(0)	BITSTRING	1	MQAENTTYPE	Type of data described in this entry.
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	MQAENTLEN	Number of bytes in this entry. Use this value when iterating through records. DO NOT hard code length of the records.
8	(8)	CHARACTER	8		Reserved
16	(10)	CHARACTER	1	MQAENTDATA (0)	Variable content of the record. Use MqaEntType to determine which of the mappings below is applicable.

Comment

MQAA Entry Types

End of Comment

.... ..1	MQAKTYPEMOS	"X'01" Message-out Summary
.... ..1.	MQAKTYPEMIS	"X'02" Message-in Summary
.... ..11	MQAKTYPEMOD	"X'03" Message-out Detail
.... ..1..	MQAKTYPEMID	"X'04" Message-in Detail

Comment

MQAALEVELs supported by the system. NOTE: Each DATATYPE may support different MQAALEVEL. Check the MQAKMaxLevel constants for the MQAALEVEL supported by a specific DATATYPE.

End of Comment

16	(10)	X'1'	0	MQAKLEVEL001	"1" MQAALEVEL 1
16	(10)	X'1'	0	MQAKLEVELMAX	"1" MQAALEVEL max supported, subject to change as new levels are supported

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Constants defining highest MQAALEVEL supported by the indicated DATATYPE.					
End of Comment					
16	(10)	X'1'	0	MQAKMAXLEVEL_MSGOUT	"1" DATATYPE=MSGOUT
16	(10)	X'1'	0	MQAKMAXLEVEL_MSGIN	"1" DATATYPE=MSGIN
16	(10)	X'1'	0	MQAKMAXLEVEL_DETAIL	"1" DATATYPE=DETAIL
16	(10)	X'10'	0	MQAENTRY_LEN	**MQAENTRY"
Comment					
Message Out Summary					
End of Comment					
16	(10)	BITSTRING	1	MQAMSGOUTSUMMARY (0)	
16	(10)	CHARACTER	16	MQAMOSTOKEN	Token used to identify this message to the message-control service (IXCMSGC).
32	(20)	BITSTRING	8	MQAMOSUSERDATA	User data associated with the message. Contains a copy of the data specified for the USERDATA keyword when the message-out service (IXCMSGO) was invoked to send the message or as modified by the message control service (IXCMSGC) when message was saved or completed.
40	(28)	BITSTRING	4	MQAMOSFLAGS (0)	
40	(28)	BITSTRING	1	MQAMOSFLAGSO (0)	
		1...		MQAMOSBROADCAST	"X'80" Indicates that the sender specified SENDTO(GROUP) on the IXCMSGO invocation.
		.1..		MQAMOSGETRESPONSE	"X'40" Indicates whether the sender of this message requested XCF management of responses.
		..1.		MQAMOSISARESPONSE	"X'20" Indicates whether this message is a response being managed by XCF.
		...1		MQAMOSSENDPENDING	"X'10" Desired send(s) not initiated by the message-out service.
		.... 1...		MQAMOSRESPENDING	"X'08" Expected response(s) not received.
		.... .1..		MQAMOSCOMPLETED	"X'04" Indicates whether message considered to be complete. Note that this flag is not mutually exclusive with the Send/RespPending flags since completion may have been forced or the message may have timed out.
		.... ..1.		MQAMOSTIMEDOUT	"X'02" '1'B if the message did not complete within the time-out period.
		.... ...1		MQAMOSCANCELLED	"X'01" '1'B if the message did not complete before the message-out request was cancelled.
41	(29)	BITSTRING	1	MQAMOSFLAGS1 (0)	
		1...		MQAMOSNOTIFYBYEXIT	"X'80" Sender requested notification by Exit when complete.
		.1..		MQAMOSDISCARDPENDING	"X'40" Indicates that the message was marked for discard but the discard has not yet completed.
		..1.		MQAMOSUCCESSFUL	"X'20" Indicates whether the request completed successfully where no sends were rejected and all responses were received for broadcast get response requests or no sends were rejected for broadcast noresponse requests
		...1		MQAMOSAVED	"X'10" Message was saved.
		.... 1...		MQAMOSASYNCSGACCESS	"X'08" Indicates whether XCF accessed user storage describing/containing the message from a unit of work asynchronous to the IXCMSGO/IXCMSGOX service routines.
42	(2A)	BITSTRING	1	MQAMOSFLAGS2	
43	(2B)	BITSTRING	1	MQAMOSFLAGS3	
43	(2B)	X'1C'	0	MQAMSGOUTSUMMARY_LEN	**MQAMSGOUTSUMMARY"

IXCYMQAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	BITSTRING	1	MQAMSGOUTSUMMARY1 (0)	
16	(10)	CHARACTER	28		Mapped by MqaMsgOutSummary
44	(2C)	CHARACTER	64	MQAMOS1_MSGTAG	User defined message tag associated with the message. Contains a copy of the data specified for the MSGTAG keyword when the message control service (IXCMSGC) was invoked to save the message. Valid when MQAALEVEL > 0.
108	(6C)	SIGNED	4	MQAMOS1_TRACETHREAD	XCF trace thread associated with message
112	(70)	CHARACTER	28		reserved
112	(70)	X'7C'	0	MQAMSGOUTSUMMARY1_LEN	""-MQAMSGOUTSUMMARY1"

Comment

Message In Summary

End of Comment

16	(10)	BITSTRING	1	MQAMSGINSUMMARY (0)	
16	(10)	CHARACTER	16	MQAMISTOKEN	Token used to identify this message to the message-control service (IXCMSGC).
32	(20)	CHARACTER	8	MQAMISUSERDATA	User data associated with the message. This is the data specified for the USERDATA keyword when the IXCMSGC service was invoked to save the message.
40	(28)	CHARACTER	8	MQAMISSOURCE	Member token of the member that sent this message.
48	(30)	BITSTRING	1		Reserved.
49	(31)	BITSTRING	3	MQAMISFLAGS	Flags describing characteristics of the message or its delivery.
		1...		MQAMISDISCARDPENDING	"X'80" Indicates that the Msg was saved by the IXCMSGC service and was later discarded but the discard has not yet completed
		.1..		MQAMISNEEDSRESPONSE	"X'40" Indicates whether the sender requested that XCF manage the gathering of a response to this message: '1'B if XCF is managing the response, '0'B if not. If so, send a response using the IXCMSGO service, specifying ORIGINATOR for the SENDTO keyword and supplying a RESPONSEID equal to the value provided in the MqaMidResponseID field below. Note that this flag reflects a specification made by the sender when the message was originally sent, and cannot be used to determine whether the desired response was sent or received.
		..1.		MQAMISISARESPONSE	"X'20" Indicates whether this message is a response that is being managed by XCF: '1'B if it is an XCF managed response, '0'B if not.
		...1		MQAMISDELIVERED	"X'10" '1'B if some portion of the message was delivered by message-in service, '0'B if none of the message was delivered
		.... 1...		MQAMISSAVED	"X'08" '1'B if the message was saved with the message control SAVEMSG service.
49	(31)	BITSTRING	2		Reserved.
52	(34)	X'24'	0	MQAMSGINSUMMARY_LEN	""-MQAMSGINSUMMARY"
16	(10)	BITSTRING	1	MQAMSGINSUMMARY1 (0)	
16	(10)	CHARACTER	36		Mapped by MqaMsgInSummary
52	(34)	CHARACTER	64	MQAMIS1_MSGTAG	User defined message tag associated with the message. Contains a copy of the data specified for the MSGTAG keyword when the message control service (IXCMSGC) was invoked to save the message. Valid when MQAALEVEL > 0.
116	(74)	SIGNED	4	MQAMIS1_TRACETHREAD	XCF trace thread associated with message
120	(78)	CHARACTER	28		reserved
120	(78)	X'84'	0	MQAMSGINSUMMARY1_LEN	""-MQAMSGINSUMMARY1"

Comment

Message In Detail

End of Comment

16	(10)	BITSTRING	1	MQAMSGINDETAIL (0)	
16	(10)	CHARACTER	16	MQAMIDTOKEN	Token used to identify this message to the message-control service (IXCMSGC).
32	(20)	CHARACTER	8	MQAMIDUSERDATA	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					User data associated with the message. This is the data specified for the USERDATA keyword when the IXCMSGC service was invoked to save the message.
40	(28)	SIGNED	4	MQAMIDMLEN	Total number of bytes of message data available (remaining) for delivery via the message-in service.
44	(2C)	CHARACTER	8	MQAMIDSOURCE	Member token of the member that sent this message.
52	(34)	CHARACTER	32	MQAMIDMSGCNTL	MSGCNTL value from originator of the signal
84	(54)	BITSTRING	1		Reserved.
85	(55)	BITSTRING	3	MQAMIDFLAGS	Flags describing characteristics of the message or its delivery.
		1...		(0) MQAMIDDISCARDPENDING	"X'80" Indicates that the Msg was saved by the IXCMSGC service and was later discarded but the discard has not yet completed
		.1..		MQAMIDNEEDSRESPONSE	"X'40" Indicates whether the sender requested that XCF manage the gathering of a response to this message: '1'B if XCF is managing the response, '0'B if not. If so, send a response using the IXCMSGO service, specifying ORIGINATOR for the SENDTO keyword and supplying a RESPONSEID equal to the value provided in the MqaMidResponseID field below. Note that this flag reflects a specification made by the sender when the message was originally sent, and cannot be used to determine whether the desired response was sent or received.
		..1.		MQAMIDISARESPONSE	"X'20" Indicates whether this message is a response that is being managed by XCF: '1'B if it is an XCF managed response, '0'B if not.
		...1		MQAMIDDELIVERED	"X'10" '1'B if some portion of the message was delivered by message-in service, '0'B if none of the message was delivered
		.... 1...		MQAMIDSAVED	"X'08" '1'B if the message was saved with the message control SAVEMSG service.
85	(55)	BITSTRING	2		Reserved.
88	(58)	CHARACTER	24	MQAMIDRESPONSEID	Message Response ID. Valid when the MqaMidNeedsResponse flag is '1'B, otherwise undefined. Specify this value for the RESPONSEID keyword when invoking the message-out service (IXCMSGO) to reply to this message.
88	(58)	X'60'	0	MQAMSGINDETAIL_LEN	"*-MQAMSGINDETAIL"
16	(10)	BITSTRING	1	MQAMSGINDETAIL1	
16	(10)	CHARACTER	96	(0)	Mapped by MqaMsgInDetail
112	(70)	CHARACTER	64	MQAMID1_MSGTAG	User defined message tag associated with the message. Contains a copy of the data specified for the MSGTAG keyword when the message control service (IXCMSGC) was invoked to save the message. Valid when MQAALEVEL > 0.
176	(B0)	SIGNED	4	MQAMID1_TRACETHREAD	XCF trace thread associated with message
180	(B4)	CHARACTER	28		reserved
180	(B4)	X'CO'	0	MQAMSGINDETAIL1_LEN	"*-MQAMSGINDETAIL1"

Comment

Message Out Detail

This record has variable length. It is designed so that the user can set up a pointer to a table of target/response entries. The entire table is contained within this one record. First target/response entry is found as follows:
 TblEntryptr = addr(MqaEntry) + MqaModTblOffset
 Subsequent entries are located as follows:
 TblEntryptr = TblEntryptr + MqaModEntLen

End of Comment

16	(10)	BITSTRING	1	MQAMSGOUTDETAIL	
				(0)	
16	(10)	CHARACTER	16	MQAMODTOKEN	Token used to identify this message and any associated responses to other XCF services (such as IXCMSGC).
32	(20)	BITSTRING	8	MQAMODUSERDATA	User data associated with the message. Contains a copy of the data specified for the USERDATA keyword when the message-out service (IXCMSGO) was invoked to send the message or as modified by the message control service (IXCMSGC) when message was saved or completed.
40	(28)	BITSTRING	4	MQAMODFLAGS	Flags describing characteristics of the message
				(0)	

IXCYMQAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
40	(28)	BITSTRING	1	MQAMODFLAGS0 (0)	
		1...		MQAMODBROADCAST	"X'80" Indicates that the sender specified SENDTO(GROUP) on the IXCMSGO invocation.
		.1..		MQAMODGETRESPONSE	"X'40" Indicates whether the sender of this message requested XCF management of responses.
		..1.		MQAMODISARESPONSE	"X'20" Indicates whether this message is a response being managed by XCF.
		...1		MQAMODSENDPENDING	"X'10" Desired send(s) not initiated by the message-out service.
		.... 1...		MQAMODRESPPENDING	"X'08" Expected response(s) not received.
		.... .1..		MQAMODCOMPLETED	"X'04" Indicates whether message considered to be complete. Note that this flag is not mutually exclusive with the Send/RespPending flags since completion may have been forced or the message may have timed out.
		.... ..1.		MQAMODTIMEDOUT	"X'02" '1'B if the message did not complete within the time-out period.
		.... ...1		MQAMODCANCELLED	"X'01" '1'B if the message did not complete before the message-out request was cancelled.
41	(29)	BITSTRING	1	MQAMODFLAGS1 (0)	
		1...		MQAMODNOTIFYBYEXIT	"X'80" Sender requested notification by exit when complete
		.1..		MQAMODDISCARDPENDING	"X'40" Indicates that the message was marked for discard but the discard has not yet completed.
		..1.		MQAMODSUCCESSFUL	"X'20" Indicates whether the request completed successfully where no sends were rejected and all responses were received for broadcast get response requests or no sends were rejected for broadcast noresponse requests
		...1		MQAMODSAVED	"X'10" Message was saved.
		.... 1...		MQAMODASYNCSMSGACCESS	"X'08" Indicates whether XCF accessed user storage describing/containing the message from a unit of work asynchronous to the IXCMSGO/IXCMSGOX service routines.
42	(2A)	BITSTRING	1	MQAMODFLAGS2	
43	(2B)	BITSTRING	1	MQAMODFLAGS3	
44	(2C)	SIGNED	4	MQAMODMLN	Number of bytes of message data for message-out request
48	(30)	BITSTRING	8	MQAMODSOURCE	Member token of the sending member.
56	(38)	CHARACTER	32	MQAMODMSGCNTL	Message control data from the message out request
88	(58)	SIGNED	4	MQAMOD#TARGETS	Number of targets for message (including skipped targets).
92	(5C)	SIGNED	4		Reserved.
96	(60)	SIGNED	4	MQAMODTBLOFFSET	Offset of table containing target/response information for this message. Offset is from the start of the MqaEntry that contains the MqaMsgoutDetail record. Entries in the table are mapped by one of the following: MqaTargOnlyEntry MqaTargRespEntry Use MqaModEntType to determine which mapping should be used.
100	(64)	CHARACTER	1		Reserved
101	(65)	BITSTRING	1	MQAMODENTTYPE	Code that identifies which mapping to use for the entries in the table of target/response data
102	(66)	SIGNED	2	MQAMODENTLEN	Length in bytes of an individual entry in the table containing target/response information. Use this value when iterating through records. DO NOT hard code length of the records.
102	(66)	X'58'	0	MQAMSGOUTDETAIL_LEN	"*-MQAMSGOUTDETAIL"
16	(10)	BITSTRING	1	MQAMSGOUTDETAIL1 (0)	
16	(10)	CHARACTER	88		Mapped by MqaMsgOutDetail
104	(68)	CHARACTER	64	MQAMOD1_MSGTAG	User defined message tag associated with the message. Contains a copy of the data specified for the MSGTAG keyword when the message control service (IXCMSGC) was invoked to save the message. Valid when MQAALEVEL > 0.
168	(A8)	SIGNED	4	MQAMOD1_TRACETHREAD	XCF trace thread associated with message
172	(AC)	CHARACTER	28		reserved
172	(AC)	X'1'	0	MQAMODKENTTYPETARGONLY	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
172	(AC)	X'2'	0	MQAMODKENTYPETARGRESP	"1" Use MqaTargOnlyEntry
172	(AC)	X'B8'	0	MQAMSGOUTDETAIL1_LEN	"2" Use MqaTargRespEntry **MQAMSGOUTDETAIL1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MQATARGONLYENTRY	Entry to describe result of send to one particular target member.
0	(0)	BITSTRING	8	MQATOTARGET	Target member token.
8	(8)	BITSTRING	4	MQATOSENDSTATUS (0)	Status of the message send
8	(8)	BITSTRING 1...	2	MQATOSENDFLAGS (0) MQATOSENDINITIATED	"X'80" '1'B if XCF initiated the send to this target member. It is not necessarily the case that the initiated send was successful.
		.1..		MQATOSENDSKIPPED	"X'40" '1'B if target member token is hexadecimal zero, indicating that sender wanted to skip an entry in a message-out target table.
		..1.		MQATOSENDPENDING	"X'20" '1'B if the send to this target member is pending. XCF has not initiated the send. The message is eligible to be sent.
		...1		MQATOSENDREJECTED	"X'10" '1'B if the send to this target member is rejected. The message is not eligible to be sent.
		.... 1...		MQATOSENDASYNCMSGACCESS	"X'08" '1'B if an AsyncMsgAccess send to this target member was started
8	(8)	BITSTRING	1		Reserved.
10	(A)	BITSTRING	1		Reserved.
11	(B)	BITSTRING	1	MQATOSENDRETCODE	Return code from message-out service (IXCMSGO) with respect to the send to this particular target.
12	(C)	SIGNED	4	MQATOSENDRSNCODE	Valid if MqaToSendRetcode is nonzero. If so, contains failing reason code from message-out service.
12	(C)	X'10'	0	MQATARGONLYENTRY_LEN	**MQATARGONLYENTRY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MQATARGRESPENTRY	Entry to describe result of send to and response from one target member.
0	(0)	BITSTRING	8	MQATRRTARGET	Target member token.
8	(8)	BITSTRING	4	MQATRSENDSTATUS (0)	Status of the message send
8	(8)	BITSTRING 1...	2	MQATRSENDFLAGS (0) MQATRSENDINITIATED	"X'80" '1'B if XCF initiated the send to this target member It is not necessarily the case that the initiated send was successful.
		.1..		MQATRSENDSKIPPED	"X'40" '1'B if target member token is hexadecimal zero, indicating that sender wanted to skip an entry in a message-out target table.
		..1.		MQATRSENDPENDING	"X'20" '1'B if the send to this target member is pending. XCF has not initiated the send. The message is still eligible to be sent.
		...1		MQATRSENDREJECTED	"X'10" '1'B if the send to this target member is rejected. The message is not eligible to be sent.
		.... 1...		MQATRSENDASYNCMSGACCESS	"X'08" '1'B if an AsyncMsgAccess send to this target member was started
8	(8)	BITSTRING	1		Reserved.
10	(A)	BITSTRING	1		Reserved.
11	(B)	BITSTRING	1	MQATRSENDRETCODE	Return code from message-out service (IXCMSGO) with respect to the send to this particular target.

IXCYMQAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	MQATRENDRSNCODE	Valid if MqaToSendRetcode is nonzero. If so, contains failing reason code from message-out service.
16	(10)	BITSTRING	4	MQATRRESPSTATUS (0)	Status of response message
16	(10)	BITSTRING	2	MQATRRESPFLAGS (0)	Status of response.
		1...		MQATRRESPEXPECTED	"X'80" '1'B if XCF expected the target member to respond, '0'B if not.
		.1...		MQATRRESPRECEIVED	"X'40" '1'B if a response was received by XCF, '0'B if not.
		..1.		MQATRRESPAVAILABLE	"X'20" '1'B if the associated response is available, '0'B if not. If the response was received but the associated response is not available, the response was delivered, saved, or discarded.
		...1		MQATRRESPDELIVERED	"X'10" '1'B if some portion of the response was delivered by message-in service, '0'B if none of the response was delivered
		.... 1...		MQATRRESPSAVED	"X'08" '1'B if the response was saved with the message control SAVEMSG service.
		.... .1..		MQATRRESPDISCARDED	"X'04" '1'B if the response was discarded with the message control DISCARDMSG service.
16	(10)	BITSTRING	1		Reserved.
18	(12)	BITSTRING	1		Reserved.
19	(13)	BITSTRING	1	MQATRRESPCODE	Code to explain why XCF believes the response was not received. See MnpIKRespCode constants defined in IXCYMNPL macro. Valid when MqaTrRespReceived is '0'B.
19	(13)	X'14'	0	MQATARGRESPENTRY_LEN	"*-MQATARGRESPENTRY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MQATARGRESPENTRY1	Target response entry for MQAA level 1
0	(0)	CHARACTER	20		Mapped by MqaTargRespEntry
20	(14)	SIGNED	4	MQATR1_RESPMLEN	Total number of bytes of response message data available (remaining) for delivery via the message-in service. Valid when MqaTrRespAvailable is '1'B and MQAALEVEL > 0.
24	(18)	BITSTRING	8	MQATR1_RESPSRCE	Member token of originator of the response. Valid when MqaTrRespAvailable is '1'B and MQAALEVEL > 0.
32	(20)	CHARACTER	32	MQATR1_RESPCNTL	MSGCNTL value from originator of the response. Valid when MqaTrRespAvailable is '1'B and MQAALEVEL > 0.
64	(40)	CHARACTER	24		reserved
64	(40)	X'58'	0	MQATARGRESPENTRY1_LEN	"*-MQATARGRESPENTRY1"

IXCYMQAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MQAENTDATA	10		MQAMODCANCELLED	28	1
MQAENTLEN	4		MQAMODCOMPLETED	28	4
MQAENTRY	0		MQAMODDISCARDPENDING	29	40
MQAENTRY_LEN	10	10	MQAMODENTLEN	66	
MQAENTTYPE	0		MQAMODENTTYPE	65	
MQAHDR	0		MQAMODFLAGS	28	
MQAHDR_LEN	C	10	MQAMODFLAGS0	28	
MQAHDR#ENTRIES	8		MQAMODFLAGS1	29	
MQAHDRENTOFFSET	C		MQAMODFLAGS2	2A	
MQAHDRLEN	0		MQAMODFLAGS3	2B	
MQAHDRLEN	4		MQAMODGETRESPONSE	28	40
MQAKLEVELMAX	10	1	MQAMODISARESPONSE	28	20
MQAKLEVEL001	10	1	MQAMODKENTTYPETARGONLY	AC	1
MQAKMAXLEVEL_DETAIL	10	1	MQAMODKENTTYPETARGRESP	AC	2
MQAKMAXLEVEL_MSGIN	10	1	MQAMODMLN	2C	
MQAKMAXLEVEL_MSGOUT	10	1	MQAMODMSGCNTL	38	
MQAKTYPEMID	10	4	MQAMODNOTIFYBYEXIT	29	80
MQAKTYPEMIS	10	2	MQAMODRESPENDING	28	8
MQAKTYPEMOD	10	3	MQAMODSAVED	29	10
MQAKTYPEMOS	10	1	MQAMODSENDPENDING	28	10
MQAMIDDELIVERED	55	10	MQAMODSOURCE	30	
MQAMIDDISCARDPENDING	55	80	MQAMODSUCCESSFUL	29	20
MQAMIDFLAGS	55		MQAMODTBLOFFSET	60	
MQAMIDISARESPONSE	55	20	MQAMODTIMEDOUT	28	2
MQAMIDMLN	28		MQAMODTOKEN	10	
MQAMIDMSGCNTL	34		MQAMODUSERDATA	20	
MQAMIDNEEDSRESPONSE	55	40	MQAMOD1_MSGTAG	68	
MQAMIDRESPONSEID	58		MQAMOD1_TRACETHREAD	A8	
MQAMIDSAVED	55	8	MQAMOSASYNCSMSGACCESS	29	8
MQAMIDSOURCE	2C		MQAMOSBROADCAST	28	80
MQAMIDTOKEN	10		MQAMOSCANCELLED	28	1
MQAMIDUSERDATA	20		MQAMOSCOMPLETED	28	4
MQAMID1_MSGTAG	70		MQAMOSDISCARDPENDING	29	40
MQAMID1_TRACETHREAD	B0		MQAMOSFLAGS	28	
MQAMISDELIVERED	31	10	MQAMOSFLAGS0	28	
MQAMISDISCARDPENDING	31	80	MQAMOSFLAGS1	29	
MQAMISFLAGS	31		MQAMOSFLAGS2	2A	
MQAMISISARESPONSE	31	20	MQAMOSFLAGS3	2B	
MQAMISNEEDSRESPONSE	31	40	MQAMOSGETRESPONSE	28	40
MQAMISSAVED	31	8	MQAMOSISARESPONSE	28	20
MQAMISSOURCE	28		MQAMOSNOTIFYBYEXIT	29	80
MQAMISTOKEN	10		MQAMOSRESPENDING	28	8
MQAMISUSERDATA	20		MQAMOSOSAVED	29	10
MQAMIS1_MSGTAG	34		MQAMOSSENDPENDING	28	10
MQAMIS1_TRACETHREAD	74				
MQAMOD#TARGETS	58				
MQAMODASYNCSMSGACCESS	29	8			
MQAMODBROADCAST	28	80			

IXCYMQAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MQAMOSSUCCESSFUL			MQATRRESPAVAILABLE		
	29	20		10	20
MQAMOSTIMEDOUT			MQATRRESPCODE		
	28	2		13	
MQAMOSTOKEN	10		MQATRRESPDELIVERED	10	10
MQAMOSUSERDATA			MQATRRESPDISCARDED	10	4
	20		MQATRRESPEXPECTED	10	80
MQAMOS1_MSGTAG			MQATRRESPFLAGS	10	
	2C		MQATRRESPRECEIVED	10	40
MQAMOS1_TRACETHREAD			MQATRRESPSAVED	10	8
	6C		MQATRRESPSTATUS	10	
MQAMSGINDETAIL			MQATRSENDASYNCSMSGACCESS	8	8
	10		MQATRSENDFLAGS	8	
MQAMSGINDETAIL_LEN			MQATRSENDINITIATED	8	80
	58	60	MQATRSENDPENDING	8	20
MQAMSGINDETAIL1			MQATRSENDREJECTED	8	10
	10		MQATRSENDRETCODE	B	
MQAMSGINDETAIL1_LEN			MQATRSENDRSNCODE	C	
	B4	C0	MQATRSENDSKIPPED	8	40
MQAMSGINSUMMARY			MQATRSENDSTATUS	8	
	10		MQATRRTARGET	0	
MQAMSGINSUMMARY_LEN			MQATR1_RESPCNTL	20	
	34	24	MQATR1_RESPMLEN	14	
MQAMSGINSUMMARY1			MQATR1_RESPSRCE	18	
	10				
MQAMSGINSUMMARY1_LEN					
	78	84			
MQAMSGOUTDETAIL					
	10				
MQAMSGOUTDETAIL_LEN					
	66	58			
MQAMSGOUTDETAIL1					
	10				
MQAMSGOUTDETAIL1_LEN					
	AC	B8			
MQAMSGOUTSUMMARY					
	10				
MQAMSGOUTSUMMARY_LEN					
	2B	1C			
MQAMSGOUTSUMMARY1					
	10				
MQAMSGOUTSUMMARY1_LEN					
	70	7C			
MQATARGONLYENTRY					
	0				
MQATARGONLYENTRY_LEN					
	C	10			
MQATARGRESPENTRY					
	0				
MQATARGRESPENTRY_LEN					
	13	14			
MQATARGRESPENTRY1					
	0				
MQATARGRESPENTRY1_LEN					
	40	58			
MQATOSENDASYNCSMSGACCESS					
	8	8			
MQATOSENDFLAGS					
	8				
MQATOSENDINITIATED					
	8	80			
MQATOSENDPENDING					
	8	20			
MQATOSENDREJECTED					
	8	10			
MQATOSENDRETCODE					
	B				
MQATOSENDRSNCODE					
	C				
MQATOSENDSKIPPED					
	8	40			
MQATOSENDSTATUS					
	8				
MQATOTARGET					
	0				

IXCYMSGC Information

IXCYMSGC Programming Interface information

Programming Interface information

IXCYMSGC

End of Programming Interface information

IXCYMSGC Heading Information • IXCYMSGC Map

IXCYMSGC Heading Information

Common Name: Constants for users of the IXCYMSGC service
Macro ID: IXCYMSGC
DSECT Name: N/A
Owning Component: Cross System Coupling Services (SCXCF)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Size: 0 bytes
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: Provides a list of constants for users of IXCYMSGC

IXCYMSGC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	IXCYMSGCMINHOLDTIME	"1" min holdtime
0	(0)	X'E10'	0	IXCYMSGCMAXHOLDTIME	"3600" max holdtime
0	(0)	X'E10'	0	IXCYMSGCMAXHOLDTIMECS1	"3600" Max holdtime at initial release of XCF client/server interfaces
		.... ....		IXCYMSGCRCRSUCCESSFUL	"X'00000000" Meaning: Successful completion Action: None
		.... .1..		IXCYMSGCRCRCWARNING	"X'00000004" Meaning: Warning, reason code in R0 Action: See reason code
		.... 1...		IXCYMSGCRCRINVALIDPARMS	"X'00000008" Meaning: Invalid parameters, reason code in R0 Action: See reason code
		.... 11..		IXCYMSGCRCRENVIRONMENTALERROR	"X'0000000C" Meaning: The current environment cause the request to fail. Action: See reason code
		...1		IXCYMSGCRCRSYSTEMERROR	"X'00000010" Meaning: System error. XCF processing failure. Action: Save the reason code information, and contact the IBM support center.
0	(0)	BITSTRING	0	IXCYMSGCRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
		.... .1..		IXCYMSGCRSNANSAREATOOSMALL	"X'00000004" Meaning: The query request completed successfully. The ANSAREA provided was large enough to contain the header information (MqaHeader), but was not large enough to contain all the data that was requested. The MqaHdrTlen field indicates the total length of the output answer area that would have been needed to contain all the requested information. It is possible that only the MqaHeader was provided in which case MqaHdr#Entries would be zero. Action: Retry the request with an ANSAREA whose length is greater than or equal to the number of bytes indicated by MqaHdrTlen. Note that the amount of data to be returned can change dynamically, so that the length indicated by MqaHdrTlen may be too small for all the data when the request is tried again.
		.... 1...		IXCYMSGCRSNMSGALREADYCOMPLETE	"X'00000008" Meaning: Message already completed. Action: None, Message COMPLETION requested for a message that was already completed.
		.... 11..		IXCYMSGCRSNSAVEDMSGTIMEOUT	"X'0000000C" Meaning: HOLDTIME(CONTINUE) was specified for a SAVEMSG request but the established HoldTime for the saved message has expired and the message will be discarded as soon as call exit processing completes. Action: Re-issue the SAVEMSG request specifying HOLDTIME(INDEFINITE) or HOLDTIME(SET) to re-establish a new HOLDTIME which will allow the message represented by TOKEN to persist
		...1 1...		IXCYMSGCRSNMSGDISCARDPENDING	"X'00000018" Meaning: Message discard pending. An exit routine is currently processing the message. The message will be deleted as soon as the currently active message service (such as IXCYMSGI) completes. Action: None, the message is not available
		.... .1..		IXCYMSGCRSNMEMBERNOTACTIVE	"X'00000004" Meaning: Member token does not identify an active member associated with the primary address space current when the Message-Control service was invoked. Action: Reissue the request with a correct member token.
		...1 .11.		IXCYMSGCRSNINAPPROXITROUTINENAME	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'00000016" Meaning: Inappropriate exit routine type. Action: The type of exit specified for a CALLEXIT request must be appropriate for the type of message to be processed. Messages saved by a message exit routine and responses saved by a notify exit routine must be processed by a message exit routine. A completed message-out request, or a saved message/response entity must be processed by a notify exit routine. Retry the request with the correct exit routine.
		..1.		IXCMSGCRSNNOMSGRELEASEDMSGOX	"X'00000020" Meaning: A RELEASMSG request for a paused message-out request identified by TOKEN did not find a unit of work to release. Action: The system returns to the caller without releasing a unit of work
		..1. .1..		IXCMSGCRSNNOMSGRELEASEDCLIENT	"X'00000024" Meaning: A RELEASMSG request for a blocking IXCRECV or a paused IXCSEND service call identified by SENDTOKEN did not find a unit of work to release. Action: The system returns to the caller without releasing a unit of work
		.1.		IXCMSGCRSNRESERVEDFIELDNOTNULL	"X'00000040" Meaning: Program error. A reserved field in the control parameter list is not zero. Action: Check to see if your program inadvertently overlaid the parameter list storage, and that it was assembled with the correct macro library for the release of MVS your program is running on.
0	(0)	BITSTRING	0	IXCMSGCRSNBADPLISTALET	"X'00000100" Meaning: Program error. Your program is not running in primary ASC mode, and the ALET that qualifies the address of the control parameter list is neither zero nor associated with a valid public entry on the DU-AL or in a common area data space Action: Ensure that: Your program is not intended to run in primary ASC mode, You specified SYSSTATE ASCENV=AR before issuing the IXCYMSGC macro, and the ALET for the parameter list is a valid public entry on the DU-AL ,is zero (primary address space ALET) or in a common area data space.
0	(0)	BITSTRING	0	IXCMSGCRSNBADPLISTVERSION	"X'00000104" Meaning: Parameter list not valid. Version number in parameter list is not valid. The release level of XCF on which the caller is running does not support this version of the message control service. Action: Retry the request with the correct version.
0	(0)	BITSTRING	0	IXCMSGCRSNBADPLISTFUNCCODE	"X'00000108" Meaning: Parameter list not valid. Function code not valid. Action: Retry the request
0	(0)	BITSTRING	0	IXCMSGCRSNBADPLISTADDRESS	"X'0000010C" Meaning: Parameter list not accessible. storage is not addressable. Action: Make sure the parameter list is accessible to XCF and retry the request.
0	(0)	BITSTRING	0	IXCMSGCRSNNOTENABLED	"X'0000011C" Meaning: The caller is not enabled. Action: Correct your program so that it does not issue IXCYMSGC while it is disabled.
0	(0)	BITSTRING	0	IXCMSGCRSNLOCKSHIELD	"X'0000012C" Meaning: The caller is holding a lock. Action: Correct your program so that it does not issue IXCYMSGC while holding any locks.
0	(0)	BITSTRING	0	IXCMSGCRSNANSAREASMALLERTHANHEADER	"X'0000013C" Meaning: ANSAREA too small. Action: The answer area must be at least as long as the header record (MqaHeader). Retry the request with a larger answer area.
0	(0)	BITSTRING	0	IXCMSGCRSNANSAREABADALET	"X'00000140" Meaning: ANSAREA not accessible. Action: The ALET of the ANSAREA is neither zero nor a valid entry on the Dispatchable Unit Access List (DU-AL), nor a valid entry for a common area data space. Retry the request with the correct ALET.
0	(0)	BITSTRING	0	IXCMSGCRSNANSAREABADADDRESS	"X'00000148" Meaning: Error accessing ANSAREA. Action: Make sure the ANSAREA is accessible to XCF, and reissue the request.
0	(0)	BITSTRING	0	IXCMSGCRSNMSGTAGBADALET	"X'00000150" Meaning: MSGTAG not accessible. Action: The ALET of the MSGTAG is neither zero nor a valid entry on the Dispatchable Unit Access List (DU-AL), nor a valid entry for a common area data space. Retry the request with the correct ALET.
0	(0)	BITSTRING	0	IXCMSGCRSNMSGTAGBADADDRESS	"X'00000152" Meaning: Error accessing MSGTAG. Action: Make sure the MSGTAG is accessible to XCF, and reissue the request.
0	(0)	BITSTRING	0	IXCMSGCRSNMSGTAGFILTERBADALET	"X'00000154" Meaning: MSGTAGFILTER not accessible. Action: The ALET of the MSGTAGFILTER is neither zero nor a valid entry on the Dispatchable Unit Access List (DU-AL), nor a valid entry for a common area data space. Retry the request with the correct ALET.
0	(0)	BITSTRING	0	IXCMSGCRSNMSGTAGFILTERBADADDRESS	

IXCYMSGC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCMSGCRSNMSGTAGMASKBADALET	"X'00000158" Meaning: Error accessing MSGTAGFILTER. Action: Make sure the MSGTAGFILTER is accessible to XCF, and reissue the request.
0	(0)	BITSTRING	0	IXCMSGCRSNMSGTAGMASKBADADDRESS	"X'00000160" Meaning: MSGTAGMASK not accessible. Action: The ALET of the MSGTAGMASK is neither zero nor a valid entry on the Dispatchable Unit Access List (DU-AL), nor a valid entry for a common area data space. Retry the request with the correct ALET.
0	(0)	BITSTRING	0	IXCMSGCRSNTOKENBADALET	"X'00000168" Meaning: Error accessing MSGTAGMASK. Action: Make sure the MSGTAGMASK is accessible to XCF, and reissue the request.
0	(0)	BITSTRING	0	IXCMSGCRSNTOKENBADADDRESS	"X'00000170" Meaning: SENDTOKEN not accessible. Action: The ALET of the SENDTOKEN is is neither zero nor a valid entry on the Dispatchable Unit Access List (DU-AL), nor a valid entry for a common area data space. Retry the request with the correct ALET.
0	(0)	BITSTRING	0	IXCMSGCRSNTOKENNOTFORSAVEMSG	"X'00000172" Meaning: Error accessing SENDTOKEN. Action: Make sure the SENDTOKEN is accessible to XCF, and reissue the request.
0	(0)	BITSTRING	0	IXCMSGCRSNTOKENNOTFORDISCARDMSG	"X'00000200" Meaning: TOKEN not valid for SAVEMSG service. Action: Verify that the token specified is the MsgIToken provided to the message exit or notify exit and retry the request with the correct Token.
0	(0)	BITSTRING	0	IXCMSGCRSNTOKENNOTFORINVALID	"X'00000204" Meaning: TOKEN not valid for DISCARDMSG service. Action: Retry the request with the correct Token.
0	(0)	BITSTRING	0	IXCMSGCRSNMESSAGEUNAVAILABLE	"X'00000208" Meaning: TOKEN not valid for CALLEXIT service. CALLEXIT can be only be used for messages that were saved by a Notify or Message Exit via the SAVEMSG service. The TOKEN must be a RETMSGTOKEN that was returned by the SAVEMSG service. Action: Insure that that the token is one that was returned by a successful invocation of the SAVEMSG service.
0	(0)	BITSTRING	0	IXCMSGCRSNMESSAGEUNAVAILABLE	"X'0000020C" Meaning: Message not available. Message indicated by TOKEN does not exist. Message was either completely delivered, discarded, or saved. Action: Verify the token, if mis-specified reissue the request with a new correct TOKEN. For a RETMSGOTOKEN or a saved token (RETMSGTOKEN), insure that the MEMTOKEN identifies the member who was presented the token by XCF. If the message was saved, then a new message would be assigned and the RETMSGTOKEN returned by IXCMSGC would have to be used. If the token is for a response and the associated message/response entity was saved or discarded, then the old response tokens are invalidated.
0	(0)	BITSTRING	0	IXCMSGCRSNMESSAGEUNAVAILABLE	"X'00000210" Meaning: TOKEN not valid. Action: Verify the token an retry the request with the correct Token.
0	(0)	BITSTRING	0	IXCMSGCRSNSENDTOKENINVALID	"X'00000212" Meaning: SENDTOKEN not valid. The SENDTOKEN must be a token that was returned by the IXCSEND service via the RETMSGTOKEN keyword. Action: Verify the SENDTOKEN and retry the request with the correct SENDTOKEN.
0	(0)	BITSTRING	0	IXCMSGCRSNNOTFORFORCECOMPLETION	"X'00000220" Meaning: Message TOKEN not valid for Force Completion. The message token must be a token that was returned by the IXCMSGO service via the RETMSGOTOKEN keyword. Action: Verify the token and retry the request with the correct Token.
0	(0)	BITSTRING	0	IXCMSGCRSNNOTFORRELEASEMSG	"X'00000224"
Comment					
<p>Meaning: Message TOKEN not valid for Release Message (RELEASEMSG). The message token must be a token that was returned by the IXCMSGOX service via the RETMSGOTOKEN keyword or a token that was returned by the IXCSEND service via the RETMSGTOKEN keyword. Action: Verify the token and retry the request with the correct Token.</p>					
End of Comment					
0	(0)	BITSTRING	0	IXCMSGCRSNBADRETMSGOKENALET	"X'00000308" Meaning: The ALET that qualifies the address of the RETMSGOKEN is neither zero nor a valid entry on the Dispatchable Unit Access List (DU-AL), nor a valid entry for a common area data space. Action: Retry the request with the correct ALET
0	(0)	BITSTRING	0	IXCMSGCRSNBADRETMSGOKENADDRESS	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXCMSGCRSNBADEXITFORCALLEXIT	"X'00000309" Meaning: RETMSGTOKEN not accessible. The Message Control Service was not able to store a message token in the storage area indicated by RETMSGTOKEN. Action: The message would have already been saved and a new message token assigned. As such, the only way to get the new MESSAGE token is to do an IXCYMSGC query looking for UDATA that matched the one specified.
0	(0)	BITSTRING	0	IXCMSGCRSNBADMQAALevel	"X'0000030A" Meaning: For a CALLEXIT request, XCF attempted to call the exit but the message or notify exit abended. The exit address could be invalid or the exit may have done some processing. The specified message may have been processed by the exit routine before it abended. As such, the token may or may not specify a currently valid message. Action: Verify the exit address and attempt the CallExit request again.
0	(0)	BITSTRING	0	IXCMSGCRSNNTASKMODECALLEXITWITHFRR	"X'0000030E" Meaning: For a CALLEXIT request that was made in Task mode, the caller had an FRR established. Action: Correct your program so that it does not issue IXCYMSGC Request(CALLEXIT) with FRRs established while in Task mode.
0	(0)	BITSTRING	0	IXCMSGCRSNMSGNOTAVAILOTHEREXIT	"X'00000C04" Meaning: Message not available. Action: Another exit routine is currently processing the message. Try again later.
0	(0)	BITSTRING	0	IXCMSGCRSNNOUSERMSGSPACEAVAIL	"X'00000C08" Meaning: No user message space available. All the message storage space managed by XCF on behalf of the member are full. Action: Use the Message Control DISCARDMSG Service to discard one or more messages in order to make more storage available.
0	(0)	BITSTRING	0	IXCMSGCRSNDUALCANNOTBEXPANDED	"X'00000C0C" Meaning: Unable to process a CALLEXIT, QUERYMSG, or COMPLETION request. A STOKEN that is required to be added to the current DUAL (Dispatchable Unit Access List) could not be added due to the DUAL being full or not expandable. Action: Try again later or remove an entry from the DUAL and try again.
0	(0)	BITSTRING	0	IXCMSGCRSNNOWORKINGSTORAGE	"X'00000C10" Meaning: A IXCYMSGC QUERY request could not be performed because XCF could not obtain working storage in the XCF address space. Action: Try again later
0	(0)	BITSTRING	0	IXCMSGCRSNNTOKENNOTFORQUERYMSG	"X'00000C14" Meaning: TOKEN not valid for QUERYMSG Action: Retry the request with the correct Token.
0	(0)	BITSTRING	0	IXCMSGCRSNMESSAGEPENDING	"X'00000C18" Meaning: The message is not complete. Invoke the IXCYMSGC CALLEXIT service after the message is complete
0	(0)	BITSTRING	0	IXCMSGCRSNBADMQAALevel	"X'00000C1C" Meaning: MQAALEVEL specified for the QUERYMSG service was not valid. Action: Retry the request with a MQAALEVEL that is supported by the local system
0	(0)	BITSTRING	0	IXCMSGCRSNHOLDTIMENOTSET	"X'00000C1D" Meaning: HOLDTIME(CONTINUE) was specified when a HOLDTIME had not previously been established for the message identified by TOKEN on a prior Message Control SAVEMSG request. Action: Retry the request specifying HOLDTIME(SET) to establish a HOLDTIME or omit the HOLDTIME(CONTINUE) keyword to allow the request to save the message indefinitely.
0	(0)	BITSTRING	0	IXCMSGCRSNHOLDTIMEINVALID	"X'00000C1E" Meaning: HOLDTIME(SET) was specified with an invalid TIME value. TIME must be a non-zero value. Action: Specify a TIME value that is non-zero.

IXCYMSGC Cross Reference

IXCYMSGC Cross Reference

Name	Hex Offset	Hex Value
IXCMSCGCMAXHOLDTIME	0	E10
IXCMSCGCMAXHOLDTIMECS1	0	E10
IXCMSCGCMINHOLDTIME	0	1
IXCMSCGRCENVIRONMENTALERROR	0	C
IXCMSCGRCINVALIDPARMS	0	8
IXCMSCGRCSUCCESSFUL	0	0
IXCMSCGRCSYSTEMERROR	0	10
IXCMSCGRCWARNING	0	4
IXCMSCGCRSNANSAREABADADDRESS	0	148
IXCMSCGCRSNANSAREABADALET	0	140
IXCMSCGCRSNANSAREASMALLERTHANHEADER	0	13C
IXCMSCGCRSNANSAREATOOSMALL	0	4
IXCMSCGCRSNBADEXITFORCALLEXIT	0	30A
IXCMSCGCRSNBADMQAALEVEL	0	C1C
IXCMSCGCRSNBADPLISTADDRESS	0	10C
IXCMSCGCRSNBADPLISTALET	0	100
IXCMSCGCRSNBADPLISTFUNCCODE	0	108
IXCMSCGCRSNBADPLISTVERSION	0	104
IXCMSCGCRSNBADRETMMSGTOKENADDRESS	0	309
IXCMSCGCRSNBADRETMMSGTOKENALET	0	308
IXCMSCGCRSNCODEMASK	0	FFFF
IXCMSCGCRSNADUALCANNOTBEEEXPANDED	0	C0C
IXCMSCGCRSNHOLDTIMEINVALID	0	C1E
IXCMSCGCRSNHOLDTIMENOTSET	0	C1D
IXCMSCGCRSNINAPPROPEXITROUTINENAME	0	16
IXCMSCGCRSNLOCKSHELD	0	12C
IXCMSCGCRSNMEMBERNOTACTIVE	0	4
IXCMSCGCRSNMESSAGEPENDING	0	C18
IXCMSCGCRSNMESSAGETOKENINVALID	0	210
IXCMSCGCRSNMESSAGEUNAVAILABLE	0	20C
IXCMSCGCRSNMSGALREADYCOMPLETE	0	8
IXCMSCGCRSNMSGDISCARDPENDING	0	18
IXCMSCGCRSNMSGNOTAVAILOTHEREXIT	0	C04
IXCMSCGCRSNMSGTAGBADADDRESS	0	152
IXCMSCGCRSNMSGTAGBADALET	0	150
IXCMSCGCRSNMSGTAGFILTERBADADDRESS	0	158

Name	Hex Offset	Hex Value
IXCMSCGCRSNMSGTAGFILTERBADALET	0	154
IXCMSCGCRSNMSGTAGMASKBADADDRESS	0	168
IXCMSCGCRSNMSGTAGMASKBADALET	0	160
IXCMSCGCRSNNOMSGRELEASEDCLIENT	0	24
IXCMSCGCRSNNOMSGRELEASEDMSGGOX	0	20
IXCMSCGCRSNNOTENABLED	0	11C
IXCMSCGCRSNNOUSERMSGSPACEAVAIL	0	C08
IXCMSCGCRSNNOWORKINGSTORAGE	0	C10
IXCMSCGCRSNRESERVEDFIELDNOTNULL	0	40
IXCMSCGCRSNSAVEDMSGTIMEOUT	0	C
IXCMSCGCRSNSENDTOKENINVALID	0	212
IXCMSCGCRSNTASKMODECALLEXITWITHFRR	0	30E
IXCMSCGCRSNTOKENBADADDRESS	0	172
IXCMSCGCRSNTOKENBADALET	0	170
IXCMSCGCRSNTOKENFORCALLEXITINVALID	0	208
IXCMSCGCRSNTOKENNOTFORDISCARDMSG	0	204
IXCMSCGCRSNTOKENNOTFORFORCECOMPLETION	0	220
IXCMSCGCRSNTOKENNOTFORQUERYMSG	0	C14
IXCMSCGCRSNTOKENNOTFORRELEASEMSG	0	224
IXCMSCGCRSNTOKENNOTFORSAVEMSG	0	200

IXCYQUAA Information

IXCYQUAA Programming Interface information

Programming Interface information

IXCYQUAA

End of Programming Interface information

IXCYQUAA Heading Information

IXCYQUAA Heading Information

Common Name: Query Answer Area
Macro ID: IXCYQUAA
DSECT Name: QUAHDR QUASYS/QUASYS1/QUASYS2 QUAGRP QUAMEM/QUAMEM1/QUAMEM2 QUACF/QUACF1 QUACFSC/QUACFSC1
QUACFSTR/QUACFSTR1 QUASTR/QUASTR1/QUASTR2 QUASTRPL/QUASTRPL1 QUASTRXL/QUASTRXL1
QUASTRCF/QUASTRCF1 QUASTRUSER/QUASTRUSER1 QUASTRSYS QUAARMS QUREQFEATURES
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
Key: User-supplied
Residency: User-supplied

Size:

Variable

QUAHDR -- X'0010' bytes

QUAGRP -- X'0014' bytes

QUAMEM -- X'005C' bytes

QUAMEM1 -- X'0080' bytes

QUAMEM2 -- X'00C0' bytes

Header -- 16 bytes

For general or specific query of the system:

QUASYS -- X'0028' bytes

For general or specific query of the system:

with QUAALEVEL=1 requested:

QUASYS1 -- X'0040' bytes

For general or specific query of the system:

with QUAALEVEL=2 requested:

QUASYS2 -- X'0080' bytes

Group record -- 20 bytes

Member record (QUAMEM)-- 92 bytes + maximum of 32
for user state field

Member record (QUAMEM1) with QUAALEVEL=1 requested
-- 128 bytes + maximum of 32 for user

Member record (QUAMEM2) with QUAALEVEL=2 requested
-- 192 bytes + maximum of 32 for user

For general or specific query of coupling facility:

QUACF -- X'00A0' bytes

QUACFSC -- X'0010' bytes

QUACFSTR -- X'0018' bytes

For general or specific query of coupling facility

with QUAALEVEL=1 requested:

QUACF1 -- X'00E0' bytes

QUACFSC1 -- X'0050' bytes

QUACFSTR1 -- X'0098' bytes

For general or specific query of structure:

with QUAALEVEL=0 requested or default:

QUASTR -- X'0138' bytes

QUASTRPL -- X'0010' bytes

QUASTRXL -- X'0018' bytes

QUASTRCF -- X'0048' bytes

QUASTRUSER -- X'0088' bytes

QUASTRSYS -- X'0040' bytes

For general or specific query of structure

with QUAALEVEL=1 requested:

QUASTR1 -- X'01B8' bytes

QUASTRPL1 -- X'0030' bytes

QUASTRXL1 -- X'0038' bytes

QUASTRCF1 -- X'0088' bytes

QUASTRUSER1 -- X'0100' bytes

QUASTRSYS -- X'0040' bytes

For general or specific query of structure

with QUAALEVEL=2 requested:

QUASTR1 -- X'01B8' bytes

QUASTRPL1 -- X'0030' bytes

QUASTRXL1 -- X'0038' bytes

QUASTRPL1 -- X'0030' bytes

QUASTRXL1 -- X'0038' bytes

QUASTRCF1 -- X'0088' bytes

QUASTRUSER1 -- X'0100' bytes

QUASTRSYS -- X'0040' bytes

For general or specific query of structure

with QUAALEVEL=3 requested:

QUASTR2 -- X'0218' bytes

QUASTRPL1 -- X'0030' bytes

QUASTRXL1 -- X'0038' bytes

QUASTRPL1 -- X'0030' bytes

QUASTRXL1 -- X'0038' bytes

QUASTRCF1 -- X'0088' bytes

QUASTRUSER1 -- X'0100' bytes

QUASTRSYS -- X'0040' bytes

For general or specific query of Automatic Restart Manager:

QUAARMS -- X'0100' bytes

For query of installed Software Features

QUIREFEATURES -- X'0020' bytes

Created by user and passed as parameter on ANSAREA keyword
for IXCQUERY, IXCCREAT or IXCJOIN macros. The
IXCJOIN and IXCCREAT macros only return the QUAMEM record.
Created by user and passed as parameter on FEATAREA keyword
for IXCQUERY macro with REQINFO=FEATURES option

Created by:

IXCYQUAA Map

Pointed to by: ANSAREA_ADDR field in Query or Join/Create parameter list
 QUREQFEATURES is not pointed to, outside of macro execution

Serialization: None required

Function: Maps the data returned by the IXCQUERY, IXCCREAT, or IXCJOIN macros.
 This data represents a snapshot of a point in time.
 The IXCQUERY macro always returns the QUAHDR plus the record mapping for the associated request.
 The IXCJOIN and IXCCREAT macros only return the QUAMEM record.

IXCYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUAHDR	Header section
0	(0)	SIGNED	4	QUAH#REC	Number of QUASYS, QUAGRP, QUAMEM, QUACF, QUASTR, or QUAARMS records which follow. Note: this field is zero with zero return code, when the service could not find any records.
4	(4)	SIGNED	4	QUAH#REM	Number of QUASYS, QUAGRP, QUAMEM, QUACF, QUASTR, or QUAARMS records which were not returned because of insufficient space
8	(8)	SIGNED	4	QUAHTLEN	Total length of answer area needed to contain all the requested information. This includes the area for the records that were returned on this call.
12	(C)	SIGNED	4	QUAHSGOF	Offset from QUAHDR to the first data record.
12	(C)	X'10'	0	QUAHDR_LEN	**QUAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASYS	SYSPLEX Record data format
0	(0)	BITSTRING	1	QUASTYPE	X'02' sysplex record, X'82' last sysplex record
1	(1)	BITSTRING	1		Reserved X'00'
2	(2)	SIGNED	2	QUASLEN	Length of sysplex record
4	(4)	CHARACTER	8	QUASNAME	System name
12	(C)	SIGNED	4	QUASINTV	Monitor interval, in hundredths of seconds. This parameter is specified at IPL time.
16	(10)	SIGNED	4	QUASOPIN	Operator interval, in hundredths of seconds. This parameter is specified at IPL time.
20	(14)	BITSTRING	8	QUASSUTO	Status-update TOD value
28	(1C)	BITSTRING	4	QUASSTAT (0)	System Status
		.1.		QUASACTV	"X'40" Active
		..1.		QUASSUM	"X'20" Status-update missing detected
		...1		QUASSYPT	"X'10" In sysplex partitioning
		.... 1...		QUASLOCL	"X'08" Single system, no coupling dataset, sysplex
		.... .1..		QUASCLUP	"X'04" System has completed sysplex partitioning but is still in the process of cleanup.
32	(20)	SIGNED	4	QUASSID (0)	System token
32	(20)	BITSTRING	1	QUASNUM	System slot number
33	(21)	SIGNED	3	QUASSEQ	System sequence number
36	(24)	BITSTRING	1	QUASVER	System version number
37	(25)	CHARACTER	2	QUASCLID	System Clone ID
39	(27)	BITSTRING	1	QUASCLST (0)	System Clone ID status
		1...		QUASCLNU	"X'80" Clone ID uniqueness bit
40	(28)	X'28'	0	QUASYS_LEN	**QUASYS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASYS1	Sysplex record data format for QUAA level 1
0	(0)	CHARACTER	40		Mapped by QuaSys
40	(28)	BITSTRING	1	QUASFLAGS (0)	Flag bits
		.... 1...		QUASLOCALTIMINGMODE	"X'08" 1 = System is running in local timing mode, the local TOD clock is keeping time.
		.... .1..		QUASETRTIMINGMODE	"X'04" 1 = System is running is ETR timing mode, the local TOD clock is stepping to an ETR
		.... ..1.		QUASSTPTIMINGMODE	"X'02" 1 = System is running is STP timing mode, TOD clock is not stepping to an ETR
		.... ...1		QUASLPAR	"X'01" 1 = system is a LPAR PR/SM system and is not running under VM. QuaaLparNum contains valid data. 0 = system is not a LPAR PR/SM system or is running under VM and any data in QuaaLparNum is not valid.
41	(29)	BITSTRING	1	QUASLPARNUM	LPAR number of the system within the CPC. Only valid when QuasLpar is on

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
42	(2A)	CHARACTER	4	QUASCPUID (0)	CPUID of the CPC
42	(2A)	CHARACTER	2	QUASSERIALNUM	Serial number of the CPC
44	(2C)	CHARACTER	2	QUASMODELNUM	Model number of the CPC
46	(2E)	CHARACTER	2		Reserved
48	(30)	CHARACTER	8	QUASPARTITIONMONITOR	System name of the system that is monitoring the partitioning of this system. Valid only when QUASSYPT is on for this system. Binary zeroes indicate an unknown monitor system.
56	(38)	CHARACTER	8		Reserved
56	(38)	X'40'	0	QUASYS1_LEN	**-QUASYS1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASYS2	Sysplex record data format for QUAA level 2
0	(0)	CHARACTER	64		Mapped by QuaSys1
64	(40)	BITSTRING	16	QUASOSLVL	Operating system level indicators. This is derived from CVTOSLVL. See CVTOSLVL for a description of the contents. Binary zeros indicate that the information was not available for the system named by QuaSName
80	(50)	CHARACTER	48		Reserved
80	(50)	X'80'	0	QUASYS2_LEN	**-QUASYS2"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUAGRP	Group record data format
0	(0)	BITSTRING	1	QUAGTYPE	X'00' group record, X'80' last group record
1	(1)	BITSTRING	1		Reserved X'00'
2	(2)	SIGNED	2	QUAGLEN	Length of group record
4	(4)	CHARACTER	8	QUAGNAME	Group name
12	(C)	SIGNED	4	QUAG#MEM	Number of members in the group
16	(10)	CHARACTER	1	QUAGFLAG1 (0)	
		1...		QUAGSTALLED	"X'80" Indicates whether XCF considers any members of the group to be stalled with respect to the XCF processing that they perform. Equals '0'B if no such member is considered stalled, '1'B if at least one such member is considered stalled. A member is considered stalled, for example, if its message exit routine does not return to XCF in a timely fashion. For QuaaLevel=0, only members active on the system that processes the query are considered. For QuaaLevel>0, all active members of the group throughout the sysplex are considered.
		.1..		QUAGSYMPATHYSICKNESS	"X'40" Indicates whether XCF considers any members of the group to be causing sympathy sickness in the sysplex. Equals '0'B if not, '1'B if so. Valid for QUAALEVEL>0.
		..1.		QUAGCONFIRMEDSUM	"X'20" Indicates whether XCF considers any members of the group to be in a status update missing condition that is confirmed by their status exits. Equals '0'B if not, '1'B if so. Valid for QUAALEVEL>1.
		...1		QUAGIMPAIRED	"X'10" Indicates whether XCF considers any members of the group to be impaired. Equals '0'B if not, '1'B if so. Valid for QUAALEVEL>1.
17	(11)	CHARACTER	3		Reserved.
17	(11)	X'14'	0	QUAGRP_LEN	**-QUAGRP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUAMEM	Member record data format
0	(0)	BITSTRING	1	QUAMTYPE	X'01' member record, X'81' last member record
1	(1)	BITSTRING	1		Reserved X'00'
2	(2)	SIGNED	2	QUAMLEN	Length of member record (includes User State Field length)
4	(4)	CHARACTER	16	QUAMNAME	Member name
20	(14)	BITSTRING	8	QUAMTOKN	Member token
28	(1C)	BITSTRING	4	QUAMSTAT (0)	Group services state
28	(1C)	BITSTRING	1	QUAMSTA1	Member State - 2=CREATED, 3=ACTIVE, 4=QUIESCED, 5=FAILED
29	(1D)	BITSTRING	1	QUAMSTA2 (0)	Additional Member Status information
		1...		QUAMSSSM	"X'80" System Status Update Missing
		.1..		QUAMSTRM	"X'40" System Going - System Termination Started
		...1		QUAMSMSM	"X'10" Member Status Update Missing - confirmed by member status exit. Check QUAMUDAT value.
		.... 1..		QUAMMSMD	"X'08" Member Status Update Missing - member's status exit never ran
		.... ..1.		QUAMMREM	"X'02" Monitoring has been removed for this member

IXCYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
30	(1E)	BITSTRING 1...	1	QUAMSTA3 (0) QUAMSTALLED	Additional status data "X'80" Indicates whether XCF considers this group member to be stalled with respect to the XCF processing that it performs. Equals '0'B if member is not considered stalled, '1'B if the member is considered stalled. A member is considered stalled, for example, if its message exit routine does not return to XCF in a timely fashion. For QUAALEVEL=0, the stall condition is only recognized for members active on the system that processes the query. For QUAALEVEL>0, the stall condition can be recognized for any active member regardless of where that member resides.
		.1..		QUAMSYMPATHYSICKNESS	"X'40" Indicates whether XCF considers the member to be causing sympathy sickness in the sysplex. Equals '0'B if not causing sympathy sickness, '1'B if so. For example, the member might be contributing to conditions that result in IXCMMSGO requests being rejected for "no buffer". Valid for QUAALEVEL>0.
		..1.		QUAMDEACTIVATING	"X'20" ON if system providing data is aware that subject member is being deactivated. Valid for QUAALEVEL>0.
		...1		QUAM_SS_TERMINATING	"X'10" ON if system providing data is aware that subject member is being terminated by SFM in an attempt to relieve sympathy sickness. Valid for QUAALEVEL>0.
		.... 1..		QUAMCONFIRMEDIMPAIRED	"X'08" ON if XCF considers the member to be confirmed impaired. A member is confirmed impaired if the member is in a confirmed status update missing condition long enough to impact the normal operation of the member function. Valid for QUAALEVEL>1.
		.... .1..		QUAMDEEMEDIMPAIRED	"X'04" ON if XCF considers the member to be deemed impaired. A member is deemed impaired if all of its exits processing user-related requests appear to be stalled and impacting the normal operation of the member function. Valid for QUAALEVEL>1.
31	(1F)	BITSTRING	1		Reserved and set to 0
32	(20)	CHARACTER	8	QUAMSYS	System name on which the member was last active
40	(28)	SIGNED	4	QUAMSID (0)	System token for system on which member was last active
40	(28)	BITSTRING	1	QUAMSNUM	System slot number
41	(29)	SIGNED	3	QUAMSSEQ	System sequence number
44	(2C)	CHARACTER	8	QUAMJOB	JOB, STC, MOUNT, or LOGON name from the primary ASID current at JOIN time
52	(34)	BITSTRING	8	QUAMTOD	Time stamp of last change to member status
60	(3C)	SIGNED	4	QUAMUSLN	Length of User State Field, set by JOIN or CREATE
64	(40)	SIGNED	4	QUAMUSOF	Offset from QUAMEM of user state field. The user state field can be addressed by ADDR(QUAMEM)+QUAMUSOF. For IXCQUERY, the area used by QUAMEM must allow for the maximum size of 32-bytes of the user state field. For IXCJOIN or IXCCREAT, the area used by QUAMEM only needs to allow for the size of the user state field as specified on the IXCJOIN or IXCCREAT macro. QUAMUSLN contains the length of the user state field established by the IXCJOIN or IXCCREAT macro.
68	(44)	SIGNED	4	QUAMINTV	Interval specified by IXCJOIN. Could be changed through IXCMOD.
72	(48)	CHARACTER	4	QUAMUDAT	User Data returned by member status exit. Contains user data from Member Status Update Missing confirmation if QUAMSMMSM is on. Contains user data from Member Status Update Resumed confirmation if QUAMSMMSM is off and the user data is not zero. If zero and QUAMSMMSM is off, then it is unclear if the status exit returned a zero user data value. Invalid if QUAMMREM or QUAMSMMSD is on.
76	(4C)	CHARACTER	8	QUAMSTKN	Member STOKEN
84	(54)	BITSTRING	4	QUAMPROTOCOLS (0)	Protocols that are supported for the member. Individual flags are '1'B if the protocol is supported, '0'B if not.
		1...		QUAMPROCANRECEIVE	"X'80" The member supplied a MSGEXIT routine when it invoked IXCJOIN to join its group. The member is capable of receiving messages.
		.1..		QUAMPROCANREPLY	"X'40" The member specified YES for CANREPLY keyword when it invoked IXCJOIN to join its group. The member claims to be able to participate in the XCF managed response collection protocol.
		..1.		QUAMPRORESPONSECOLLECTION	"X'20" The system on which the member resides supports XCF managed response collection.
		...1		QUAMPROORDEREDELIVERY	"X'10" The system on which the member resides supports ordered message delivery.
		.... 1..		QUAMPROGT61KDELIVERY	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.... .1..		QUAMPROGT61KMSG	"X'08" The system on which the member resides supports delivery of messages <= 128M bytes in length	
		.... ..1.		QUAMPRODUPLICATES	"X'04" The member specified YES for the GT61KMSG keyword when it invoked IXCJOIN to join its group. The member claims to be able to receive messages <= 128 megabytes in length.	
84	(54)	BITSTRING	3		"X'02" The system on which the member resides supports duplicate messages. Reserved.	
88	(58)	CHARACTER	3		Reserved	
91	(5B)	BITSTRING	1	QUAMTERMLEVEL	The first termination action XCF is to take against the member that needs to be terminated. 0=N/A, 1=TASK, 2=JOBSTEP, 3=ADDRSPACE, 5=SYSTEM. Valid for QUAALEVEL>1.	
91	(5B)	X'5C'	0	QUAMEM_LEN	"*-QUAMEM"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	QUAMEM1	Member record data format for QUAA level 1	
0	(0)	CHARACTER	92		Mapped by QuaMem	
92	(5C)	CHARACTER	8	QUAM1_GRPNAME	Name of group to which member belongs	
100	(64)	CHARACTER	24	QUAM1_FUNCTION	User description of the function associated with the member. Valid for QUAALEVEL>1.	
124	(7C)	BITSTRING	1	QUAM1_ATTRIBUTES (0)	Member attributes associated with the member at join time.	
		1...		QUAM1_MEMASSOCTASK	"X'80" ON if the member is associated with the task under which IXCJOIN was issued. If the Quam1_MemAssocTask, Quam1_MemAssocJobStep, and Quam1_MemAssocAddrSpace flags are all off, then the member association cannot be determined. Valid for QUAALEVEL>1.	
		.1..		QUAM1_MEMASSOCJOBSTEP	"X'40" ON if the member is associated with the job step task under which IXCJOIN was issued. If the Quam1_MemAssocTask, Quam1_MemAssocJobStep, and Quam1_MemAssocAddrSpace flags are all off, then the member association cannot be determined. Valid for QUAALEVEL>1.	
		..1.		QUAM1_MEMASSOCADDRSPACE	"X'20" ON if the member is associated with the address space under which IXCJOIN was issued. If the Quam1_MemAssocTask, Quam1_MemAssocJobStep, and Quam1_MemAssocAddrSpace flags are all off, then the member association cannot be determined. Valid for QUAALEVEL>1.	
		...1		QUAM1_LASTING	"X'10" ON if the member joined with LASTING=YES. XCF preserves status information for lasting members that failed. Valid for QUAALEVEL>1.	
		.... 1...		QUAM1_SYSCLEANUP	"X'08" ON if the member joined with SYSCLEANUPMEM=YES to indicate it must perform system-wide cleanup after a system leaves the sysplex. Valid for QUAALEVEL>1.	
		.... .1..		QUAM1_RECOVERYMGR	"X'04" ON if the member joined with RECOVERYMGR=YES to designate itself as a recovery manager. Valid for QUAALEVEL>1.	
		.... ..1.		QUAM1_CRITICALMEMBER	"X'02" ON if the member joined with CRITICAL=YES to designate itself as a critical member. Valid for QUAALEVEL>1.	
		.... ...1		QUAM1_LOCALCLEANUPCONTINUE	"X'01" OFF if the member requested that it be given time to perform cleanup before XCF removes the member's system from the sysplex. The member is expected to confirm that it has completed such cleanup by invoking either the IXCLEAVE, IXCQUIES, or IXCSYSCL macro. The installation defined CLEANUP interval determines the maximum amount of time that XCF will wait for such cleanup to be confirmed. If the flag is ON, XCF need not give the member any time to perform such cleanup. Valid for QUAALEVEL>1.	
125	(7D)	CHARACTER	3		reserved	
125	(7D)	X'80'	0	QUAMEM1_LEN	"*-QUAMEM1"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	QUAMEM2	Member record data format for QUAA level 2	

IXCYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	128		Mapped by QuaMem1
128	(80)	CHARACTER	8	QUAM2_DEFINEDTIME	TOD clock value when the member state became ACTIVE or CREATED. Zero if the TOD cannot be determined. Valid for QuaaLevel > 1.
136	(88)	CHARACTER	8	QUAM2_DEACTIVATEDTIME	TOD clock value when the member state became FAILED or QUIESCED. Zero if the TOD cannot be determined. Valid for QuaaLevel > 1.
144	(90)	CHARACTER	48		reserved
144	(90)	X'CO'	0	QUAMEM2_LEN	**-QUAMEM2"
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUACF	QUAA data for coupling facility. QUAHSGOF points to this record when general or specific data for a coupling facility is requested.
0	(0)	BITSTRING	1	QUACFTYP	X'10' Coupling facility record, X'90' Last coupling facility record
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUACFLEN	Length of record
4	(4)	CHARACTER	8	QUACFNAME	Name of coupling facility
12	(C)	CHARACTER	32	QUACFND (0)	Node descriptor of coupling facility IXLYNDE maps this field.
12	(C)	CHARACTER	4		See IXLYNDE
16	(10)	CHARACTER	26	QUACFID	EBCDIC portion of ND. See IXLYNDE. Note: NDEMODEL may be zero.
42	(2A)	CHARACTER	2		See IXLYNDE
44	(2C)	SIGNED	4	QUACFDUMPSIZE	Size of dump space as specified in CFRM active policy (number in multiple of 4K bytes)
48	(30)	BITSTRING	4	QUACFSTATE (0)	State of coupling facility
48	(30)	BITSTRING	1	QUACFSTATE1 (0)	1st byte of state indicators
		1...		QUACFSTDPEND	"X'80" Policy change pending which will delete this coupling facility from the CFRM active policy when all allocated structures are gone from this coupling facility
49	(31)	BITSTRING	1	QUACFSTATE2 (0)	2nd byte of state indicators
		1...		QUACFSTRECONCILE	"X'80" The coupling facility to CFRM policy reconcile process is in progress. When this bit is on IXLCONNn to structures in this coupling facility are not permitted.
		.1...		QUACFSTFAILED	"X'40" The coupling facility has failed. When this bit is on IXLCONNn to structures in this coupling facility are not permitted.
50	(32)	BITSTRING	1	QUACFSTATE3 (0)	3rd byte of state indicators
		1...		QUACFSTPOPULATECFTARGET	"X'80" A PopulateCF rebuild request is currently in progress for this facility.
		.... ...1		QUACFSTCFLCRMGMNT	"X'01" CF LossConn recovery management is in progress for the CF
51	(33)	BITSTRING	1	QUACFSTATE4	4th byte of state indicators
52	(34)	SIGNED	4	QUACFSTREXTRA	Number of structures in this coupling facility which cannot be added to the policy
56	(38)	CHARACTER	8	QUACFRSVD	Reserved
64	(40)	SIGNED	4	QUACFSC#	Number of records for systems connected to specified coupling facility (QUACFSC)
68	(44)	SIGNED	4	QUACFSCO	Offset from QUACF to QUACFSC records
72	(48)	SIGNED	4	QUACFSTR#	Number of records for structures in specified coupling facility (QUACFSTR)
76	(4C)	SIGNED	4	QUACFSTRO	Offset from QUACF to QUACFSTR records
80	(50)	CHARACTER	40	QUACFTEXT (0)	CFRM active policy data
80	(50)	CHARACTER	8	QUACFPOLNAME	Policy name. If SETXCF STOP,POLICY,TYPE=CFRM has been issued then the name will be blanks.
88	(58)	CHARACTER	8	QUACFUPDTIME	Time policy was last updated by the installation prior to this policy being activated. If SETXCF STOP,POLICY,TYPE=CFRM has been issued then the time will be the same time as QUACFSETTIME.
96	(60)	CHARACTER	8	QUACFSETTIME	Time policy was activated via operator command.
104	(68)	SIGNED	4	QUACFREQ#STR	If non-zero value, indicates that the policy is not formatted to contain the maximum number of structure records and is not large enough to contain all the structures that exist in coupling facilities represented in the policy. Value should be used as input to format a couple data set for TYPE CFRM.
108	(6C)	SIGNED	2	QUACFREQ#CONN	If non-zero value indicates that the policy is not large enough to contain all the connections that exist for structures represented in the policy. Value should be used as input to format a couple data set for TYPE CFRM.
110	(6E)	BITSTRING	1	QUACFPOLSTATUS (0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		QUACFPOLCHGPEND	Policy status flags "X'80" A policy change is in progress to start a policy with name QUACFPOLNAME or to stop use of the CFRM active policy when QUACFPOLNAME is blanks. The policy change is complete when there are no policy change(s) pending.
		.1..		QUACFREALLOCINPROGRESS	"X'40" REALLOCATE process in progress. The SETXCF START,REALLOCATE operator command starts the process.
		..1.		QUACFREALLOCSTOPPING	"X'20" REALLOCATE process is stopping. The REALLOCATE process will end once location adjustment has completed for the structure that is the current target of REALLOCATE processing. The SETXCF STOP,REALLOCATE operator command stops the process.
		...1		QUACFMSGBASEEVENTMGMT	"X'10" The CFRM event management protocol is message-based. Except for XCF signaling structures, each allocated structure has message-based processing enabled during event processing.
111	(6F)	CHARACTER	5		Reserved part of QUACFTEXT
116	(74)	SIGNED	4	QUACFEXTRA#STR	If non-zero value, indicates that the policy is formatted with the maximum number of structure records (or a recommendation was made to do so - if non-zero QuaCfReq#Str field) and represents the number of structures that must be removed from the policy to contain all the structures that exist in coupling facilities represented in the policy.
120	(78)	CHARACTER	8	QUACFSITENAME	Name of the SITE specified in the CFRM policy. Zero when the optional SITE parameter was not specified.
128	(80)	BITSTRING	1	QUACFFLAGS (0)	
		1...		QUACFSITEFORRECOVERY	"X'80" OFF => Recovery Manager is not active or CF does not reside at the recovery site. ON => Recovery Manager is active and CF resides at the recovery site.
		.1..		QUACFMAINTENANCEMODE	"X'40" Coupling facility Maintenance Mode indicator. Valid only when the support for maintenance mode is installed on the system, see QuReqRfMaintenanceMode.
		..1.		QUACFALLOCNOTPERMITTED	"X'20" Structure Allocation is not permitted in the coupling facility. Valid only when Allocation is Not Permitted indicator is available on this system, see QUREQRFAllocNotPermitted.
129	(81)	CHARACTER	31	QUACFRSVD2	Reserved
129	(81)	X'AO'	0	QUACF_LEN	**-QUACF"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	QUACF1	CF record data format for QUAA level 1
0	(0)	CHARACTER	160		Mapped by QUACF
160	(A0)	SIGNED	4	QUACFMONID (0)	Zero or system token identifying the system that is responsible for monitoring this coupling facility (for example, structure full monitoring). Zero when no systems are connected to the coupling facility or when monitoring has not yet been claimed.
160	(A0)	BITSTRING	1	QUACFMONNUM	System slot number
161	(A1)	SIGNED	3	QUACFMONSEQ	System sequence number
164	(A4)	CHARACTER	60		Reserved
164	(A4)	X'EO'	0	QUACF1_LEN	**-QUACF1"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	QUACFSC	QUAA data for systems connected to specified coupling facility
0	(0)	BITSTRING	1	QUACFSCTYP	X'11' System connected to coupling facility record, X'91' Last system connected to coupling facility record.
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUACFSCLEN	Length of record
4	(4)	CHARACTER	8	QUACFSCNAME	Name of system connected to specified coupling facility
12	(C)	SIGNED	4	QUACFSCID (0)	System token identifying system connected to coupling facility
12	(C)	BITSTRING	1	QUACFSCNUM	System slot number
13	(D)	SIGNED	3	QUACFSCSEQ	System sequence number
13	(D)	X'10'	0	QUACFSC_LEN	**-QUACFSC"

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUACFSC1	CFSC record data format for QUAA level 1
0	(0)	CHARACTER	16		Mapped by QUACFSC
16	(10)	CHARACTER	64		Reserved
16	(10)	X'50'	0	QUACFSC1_LEN	""-QUACFSC1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUACFSTR	QUAA data for structures in specified coupling facility
0	(0)	BITSTRING	1	QUACFSTRRTYP	X'12' Structures in coupling facility record, X'92' Last structure in coupling facility record.
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUACFSTRLEN	Length of record
4	(4)	CHARACTER	16	QUACFSTRNAME	Name of Structure
20	(14)	BITSTRING	1	QUACFSTRFLG (0)	Structure allocation status
		1...		QUACFSTRACT	"X'80" ON->Only 1 structure is allocated with this structure name. Not part of a rebuild pair. OFF->2 structures are allocated with this name. See QuaCFSTRRebldNew and QuaCFSTRRebldOld to determine if this record represents either the rebuild new or rebuild old structure.
		.1..		QUACFSTRREBLDOLD	"X'40" Rebuild/old. If structure rebuild (IXLREBLD) has been initiated the original structure is now the old structure.
		..1.		QUACFSTRREBLDNEW	"X'20" Rebuild/new. If structure rebuild (IXLREBLD) has been initiated this structure is the new structure.
		...1		QUACFSTRTRAN	"X'10" Transitional state. The structure is either being allocated in a coupling facility or being deallocated from a coupling facility.
		.... 1...		QUACFSTRHOLD	"X'08" Holding state. If structure was being deleted from the coupling facility but connectivity was lost, it is tracked in the policy.
		.... .1..		QUACFSTRDUMPTBL	"X'04" Structure can not be deallocated since a dump table is associated with the structure.
		.... ..1		QUACFSTRMONALTERINPROGRESS	"X'01" The structure alter is CF initiated and being monitored for completion.
21	(15)	BITSTRING	1	QUACFSTRFLG2 (0)	Structure state
		1...		QUACFSTRSTRFAIL	"X'80" Structure failure has been recognized for this version of the structure.
		.1..		QUACFSTRNOSYSICON	"X'40" No systems have connectivity to the facility in which the structure is allocated.
		..1.		QUACFSTRDUPALTERDEFER	"X'20" The structure is duplexed and the alter of this structure instance is deferred, waiting for the alter of the other structure instance to complete.
		...1		QUACFSTRDUPALTERINPROGRESS	"X'10" The structure is duplexed and the alter of this structure instance is in progress.
		.... 1...		QUACFSTRPOPULATECFREBUILDPEID	"X'08" The structure is in Pending Rebuild state for the current POPULATECF rebuild.
		.... .1..		QUACFSTRDUPALTERSCMINUSE	"X'04" The structure is duplexed, an alter of this structure instance is in progress and the alter process can not complete while storage- class memory is in use by one or both structure instances.
		.... ..1		QUACFSTRDUPALTERCONTRACT	"X'02" The structure is duplexed, an alter contraction of this structure instance is in progress and the alter process can not complete while storage-class memory is in use by one or both structure instances.
22	(16)	SIGNED	2	QUACFSTRSTRDUMPID	Structure Dump ID. Non zero value indicates dump table associated with structure. Valid only if structure is QUACFSTRACT, QUACFSTRREBLDNEW, QUACFSTRREBLDOLD, or QUACFSTRDUMPTBL.
22	(16)	X'18'	0	QUACFSTR_LEN	""-QUACFSTR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUACFSTR1	CFSTR record data format for QUAA level 1
0	(0)	CHARACTER	24		Mapped by QUACFSTR
24	(18)	BITSTRING	8	QUACFSTRPHYSICALVERSION	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	BITSTRING	8	QUACFSTRLOGICALVERSION	Physical version for the structure. Changes when a new physical instance of the structure is allocated (e.g., user- or system-managed rebuild), and there is at least one active connector to observe the allocation.
40	(28)	BITSTRING	1	QUACFSTRRDATA LISTSPERCONN	Logical structure version number. Used in conjunction with the physical version number to identify an instance of a structure. The value of this field is set equal to the physical version number when the structure is initially allocated. It changes when a process that allocates a new instance of the structure (e.g., rebuild) is user-managed, but not when it is system-managed.
41	(29)	CHARACTER	111		Number of lists per connection when lock structure with record data is allocated to support multiple lists. A nonzero value is returned when the structure is allocated (QuaCfStrAct, QuaCfStrRebldOld, or QuaCfStrRebldNew is on) and supports more than 1 record data list per connection.
41	(29)	X'98'	0	QUACFSTR1_LEN	Reserved
					**QUACFSTR1*

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTR	QUAA data for structures. QUAHSGOF points to this record when general or specific data for a structure is requested.
0	(0)	BITSTRING	1	QUASTRTYP	X'20' Structure record, X'A0' Last structure record.
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUASTRLEN	Length of record
4	(4)	CHARACTER	16	QUASTRNAME	Name of structure
20	(14)	SIGNED	4	QUASTRSIZE	Size of structure as specified in CFRM active policy (number in multiple of 4K bytes)
24	(18)	BITSTRING	4	QUASTRSTATE	State of structure
24	(18)	BITSTRING	1	QUASTRSTATE1	1st byte of state indicators
		1...		QUASTRSTDPEND	"X'80" Change pending in structure policy
		.1.		QUASTRSTTOBEDELETED	"X'40" The pending policy change for the structure is to delete the structure definition from the policy
		..1.		QUASTRSTTOBECHANGED	"X'20" The pending policy change for the structure is to change the structure definition in the policy
		.... 1...		QUASTRSTREALLOCEVALPENDING	"X'08" The allocated structure is pending evaluation for the process initiated by operator command SETXCF START,REALLOCATE. It is applicable to structures mapped by the QUASTRCF with allocation status indicated as QUASTRCFACT, QUASTRCFREBLDOLD or QUASTRCFREBLDNEW.
		.... .1..		QUASTRSTREALLOCTARGETSTR	"X'04" The allocated structure is the current target for the process initiated by operator command SETXCF START,REALLOCATE. The REALLOCATE process is adjusting the location of the instance(s) based on XCF allocation algorithms. If the REALLOCATE process has been stopped by operator command SETXCF STOP,REALLOCATE then once location adjustment has completed then the REALLOCATE process will end. It is applicable to structures mapped by the QUASTRCF with allocation status indicated as QUASTRCFACT, QUASTRCFREBLDOLD or QUASTRCFREBLDNEW.
25	(19)	BITSTRING	1	QUASTRSTATE2	2nd byte of state indicators
		1...		QUASTRMSGBASEEVENTPROC	"X'80" On indicates that message-based processing is being used to manage events for the structure.
		.... ...1		QUASTRALTERNOTPERMITTED	"X'01" On indicates that CF structure alter processing has been disabled - start alter is not permitted
26	(1A)	BITSTRING	1	QUASTRSTATE3	3rd byte of state indicators
		1...		QUASTRSTSDISP	"X'80" Allocated with STRDISP=KEEP
		..1.		QUASTRSTREBLD	"X'20" Structure rebuild in progress
		...1		QUASTRSTREBLDSTOP	"X'10" Structure rebuild stopped QUASTRSTREBLD will also be on.
		.... 1...		QUASTRSTALTER	"X'08" Structure alter in progress

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		QUASTRSTINCLEANUP	"X'04" Structure cleanup in progress
		.... ...1		QUASTRSTCFLCRMGMT	"X'01" CF LossConn recovery management is in progress for the structure
27	(1B)	BITSTRING	1	QUASTRSTATE4 (0)	4th byte of state indicators
		1...		QUASTRSTINPOLDEF	"X'80" X'80' Structure is defined in policy
28	(1C)	BITSTRING	1	QUASTRINHWDW (0)	Indicates structure in coupling facility
		1...		QUASTRINHDWON	"X'80" X'80' Allocated in coupling facility
29	(1D)	BITSTRING	1	QUASTRSTRTYPE	Structure type. When the structure type is provided, it is applicable to structures mapped by the QUASTRCF with allocation status indicated as QUASTRCFACT, QUASTRCFREBLDOLD or QUASTRCFREBLDNEW. Valid only when value is non-zero. See constants defined below as QuaStrTypeXXXX.
30	(1E)	SIGNED	2	QUASTRCONNEXTRA	Highest connection identifier to this structure which can not be added to the policy.
32	(20)	SIGNED	2	QUASTRCONNEXTRA#	Number of connections to this structure which can not be added to the policy.
34	(22)	BITSTRING	1	QUASTRFLG (0)	Structure flags
		1...		QUASTRDUPLEXALLOWED	"X'80" DUPLEX(ALLOWED) was specified in the CFRM active policy for the structure
		.1..		QUASTRDUPLEXENABLED	"X'40" DUPLEX(ENABLED) was specified in the CFRM active policy for the structure
		..1.		QUASTRPREFENFORCE	"X'20" ENFORCEORDER(YES)
		...1		QUASTRALLOWAUTOALT	"X'10" ALLOWAUTOALT(YES)
		.... 1...		QUASTRALLOWREALLOCATE	"X'08" ALLOWREALLOCATE(YES) was specified or defaulted to in the CFRM active policy for the structure. See QUREQRFALLOWREALLOCATE
		.... .1..		QUASTRSUBNOTIFYDELAYBYPOL	"X'04" SUBNOTIFYDELAY specified in CFRM active policy for the structure
35	(23)	BITSTRING	1	QUASTRREBUILDPERCENT	REBUILDPERCENT for structure as specified in CFRM active policy. Value of zero implies not specified.
36	(24)	SIGNED	4	QUASTRINITSIZE	INITSIZE for structure as specified in CFRM active policy (number in multiple of 4K bytes)
40	(28)	SIGNED	4	QUASTRPL#	Number of records for preference list entries for specified structure (QUASTRPL)
44	(2C)	SIGNED	4	QUASTRPLO	Offset from QUASTR to QUASTRPL records
48	(30)	SIGNED	4	QUASTRXL#	Number of records for exclusion list entries for specified structure (QUASTRXL)
52	(34)	SIGNED	4	QUASTRXLO	Offset from QUASTR to QUASTRXL records
56	(38)	SIGNED	4	QUASTRCF#	Number of records for coupling facilities containing specified structure (QUASTRCF)
60	(3C)	SIGNED	4	QUASTRCFO	Offset from QUASTR to QUASTRCF records
64	(40)	SIGNED	4	QUASTRUSER#	Number of records for connector to specified structure (QUASTRUSER)
68	(44)	SIGNED	4	QUASTRUSERO	Offset from QUASTR to QUASTRUSER records
72	(48)	CHARACTER	40	QUASTRTEXT (0)	CFRM active policy data
72	(48)	CHARACTER	8	QUASTRPOLNAME	Policy name. If SETXCF STOP,POLICY,TYPE=CFRM has been issued then the name will be blanks.
80	(50)	CHARACTER	8	QUASTRUPDTIME	Time policy was last updated by the installation prior to this policy being activated. If SETXCF STOP,POLICY,TYPE=CFRM has been issued then the time will be the same time as QUASTRSETTIME.
88	(58)	CHARACTER	8	QUASTRSETTIME	Time policy was activated via operator command.
96	(60)	SIGNED	4	QUASTRREQ#STR	If non-zero value, indicates that the policy is not formatted to contain the maximum number of structure records and is not large enough to contain all the enough to contain all the structures that exist in coupling facilities represented in the policy. Value should be used as input to format a couple data set for TYPE CFRM.
100	(64)	SIGNED	2	QUASTRREQ#CONN	If non-zero value indicates that the policy is not large enough to contain all the connections that exist for structures represented in the policy. Value should be used as input to format a couple data set for TYPE CFRM.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
102	(66)	BITSTRING	1	QUASTRPOLSTATUS (0)	Policy status flags
		1...		QUASTRPOLCHGPEND	"X'80" A policy change is in progress to start a policy with name QUASTRPOLNAME or to stop use of the CFRM active policy when QUASTRPOLNAME is blanks. The policy change is complete when there are no policy change(s) pending.
		.1..		QUASTRREALLOCINPROGRESS	"X'40" REALLOCATE process in progress. The SETXCF START,REALLOCATE operator command starts the process.
		..1.		QUASTRREALLOCSTOPPING	"X'20" REALLOCATE process is stopping. The REALLOCATE process will end once location adjustment has completed for the structure that is the current target of REALLOCATE processing. The SETXCF STOP,REALLOCATE operator command stops the process.
		...1		QUASTRMSGBASEDEVENTMGMT	"X'10" The CFRM event management protocol is message-based. Except for XCF signaling structures, each allocated structure has message-based processing enabled during event processing (see QuaStrMsgBasedEventProc). For manager information, see QuaStrMsgBasedMgrSysName and QuaStrMsgBasedMgrSysSID.
103	(67)	CHARACTER	5		Reserved part of QUASTRTEXT
108	(6C)	SIGNED	4	QUASTREXTRA#STR	If non-zero value, indicates that the policy is formatted with the maximum number of structure records (or a recommendation was made to do so - if non-zero QuaStrReq#Str field) and represents the number of structures that must be removed from the policy to contain all the structures that exist in coupling facilities represented in the policy.
112	(70)	CHARACTER	52	QUASTRREBLDINFO (0)	IXLREBLD related information.
112	(70)	BITSTRING	4	QUASTRREBLDPHASE (0)	Phase for the rebuild structure process. Valid when QuaStrStReblid is on. Note that not all phases are applicable to all rebuild types or methods. Type (duplexed or not duplexed) is indicated by QuastrReblidDuplex. Method (user- or system-managed) is indicated by QuaStrProcessMethod.
112	(70)	BITSTRING	1	QUASTRREBLDPHASE1 (0)	1st byte of phase indicators
		1...		QUASTRREBLDQUIESCE	"X'80" QUIESCE - A structure rebuild has been initiated. Connections need to stop usage of the structure and confirm. This phase will be complete when all connections have issued IXLEERSP for the Rebuild Quiesce event.
		.1..		QUASTRREBLDCOMPLETE	"X'40" COMPLETE - A structure rebuild is in progress. Connections can connect and access the new structure. This phase will be complete when all connections have issued IXLREBLD REQUEST=COMPLETE.
		..1.		QUASTRREBLDCLEANUP	"X'20" CLEANUP - A structure rebuild is in progress. Connections have completed their part of the process and final cleanup is in progress. This phase will be complete when all connections have issued IXLEERSP for the Rebuild Cleanup event.
		...1		QUASTRREBLDSTOP	"X'10" STOP - Structure rebuild has been stopped.
		.... 1...		QUASTRREBLDDUPLEXESTABLISHED	"X'08" DUPLEX ESTABLISHED- Duplexing has been established and all users may proceed with duplexed structure operations. This phase will be complete when a switch to simplex mode using the new structure has been requested, and all users have issued IXLREBLD REQUEST=DUPLEXCOMPLETE
		.... .1..		QUASTRREBLDSTARTUP	"X'04" STARTUP - A system-managed process is in the startup phase.
		.... ..1.		QUASTRREBLDALLOCATE	"X'02" ALLOCATE - A system-managed process is in the allocate phase. The system participating in the phase is described in the QUASTRSYS record.
		.... ...1		QUASTRREBLDATTACH	"X'01" ATTACH - A system-managed process is in the attach phase. The system(s) participating in the phase are described in the QUASTRSYS record.
113	(71)	BITSTRING	1	QUASTRREBLDPHASE2 (0)	2nd byte of phase indicators
		1...		QUASTRREBLDCOPY	

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		QUASTRREBLDCOPYSTOP	"X'80" COPY - A system-managed process is in the copy phase. The system(s) participating in the phase are described in the QUASTRSYS record.
		..1.		QUASTRREBLDQUIESCESTOP	"X'40" COPY STOP - A system-managed process is in the copy stop phase. The system(s) participating in the phase are described in the QUASTRSYS record.
114	(72)	BITSTRING	1	QUASTRREBLDPHASE3	"X'20" QUIESCE FOR STOP - A system-managed duplexing rebuild is in the quiesce for stop phase. Activity to the duplexed structure is being quiesced.
115	(73)	BITSTRING	1	QUASTRREBLDPHASE4	3rd byte of phase indicators
116	(74)	BITSTRING	4	QUASTRREBLDSTARTRSN (0)	4th byte of phase indicators
		1...		QUASTRREBLDSTARTOPER	Rebuild start reason
		.1..		QUASTRREBLDSTARTCONN	"X'80" Operator
		..1.		QUASTRREBLDSTARTLOSTCCF	"X'40" Connector. See user code. (QUASTRREBLDSTARTUCODE)
		...1		QUASTRREBLDSTARTSTRFAIL	"X'20" Lost connectivity to coupling facility containing structure
		.... 1...		QUASTRREBLDSTARTPOLICY	"X'10" Structure failed
120	(78)	SIGNED	4	QUASTRREBLDSTARTUCODE	"X'08" Policy-initiated (DUPLEX(ENABLED) specified for the structure)
124	(7C)	BITSTRING	4	QUASTRREBLDSTOPRSN (0)	User code if rebuild start reason was connector. (QUASTRREBLDSTARTCONN)
124	(7C)	BITSTRING	1	QUASTRREBLDSTOPRSN1 (0)	Rebuild stop reason
		1...		QUASTRREBLDSTOPOPER	"X'80" Operator
		.1..		QUASTRREBLDSTOPCONN	"X'40" Connector. See user code. (QUASTRREBLDSTOPUCODE)
		..1.		QUASTRREBLDSTOPINSUFFCONN	"X'20" No coupling facility in the preference list provided better or equivalent connectivity than the current facility. The rebuild was stopped to avoid a degradation in connectivity for the application.
		...1		QUASTRREBLDSTOPNOBETTERCONN	"X'10" No coupling facility in the preference list provided better connectivity than the current facility for this LOSSCONN rebuild. The rebuild was stopped to avoid further degradation in connectivity for the application.
		.... 1...		QUASTRREBLDSTOPLOSTCCFNEW	"X'08" Lost connectivity to coupling facility containing new structure
		.... .1..		QUASTRREBLDSTOPLOSTCCFOLD	"X'04" Lost connectivity to coupling facility containing old structure
		.... ..1.		QUASTRREBLDSTOPSTRFAILNEW	"X'02" New structure failed.
		.... ...1		QUASTRREBLDSTOPSTRFAILOLD	"X'01" Old structure failed.
125	(7D)	BITSTRING	1	QUASTRREBLDSTOPRSN2 (0)	
		1...		QUASTRREBLDSTOPPOLICY	"X'80" Policy-initiated (DUPLEX(DISABLED) specified for the structure)
		.1..		QUASTRREBLDSTOPSTRFAIL	"X'40" Structure failure (for a duplexing rebuild)
		..1.		QUASTRREBLDSTOPLOSSCONN	"X'20" Loss of connectivity (for a duplexing rebuild)
		...1		QUASTRREBLDSTOPINSUFFCONNCHGCON	"X'10" Insufficient connectivity due to a change in the set of structure connectors (for a duplexing rebuild)
		.... 1...		QUASTRREBLDSTOPPOPCFNOTSUITABLE	"X'08" This structure was selected as a candidate for a PopulateCF rebuild, but the facility specified on the Start PopCF rebuild was not a suitable location compared to its current location
		.... .1..		QUASTRREBLDSTOPCONNECTORHANG	"X'04" The rebuild was stopped to try to alleviate a hang of a structure-related process caused by failure of a connector to provide an expected response
126	(7E)	BITSTRING	1	QUASTRREBLDSTOPRSN3 (0)	
		1...		QUASTRREBLDSTOPSYSTEMGDPHASEFAIL	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		QUASTRREBLDSTOPDUMPSE	"X'80" Failure of a system-managed process phase
		..1.		QUASTRREBLDSTOPDUPLXREQFAILED	"X'40" During a system-managed process, dump serialization prevented access to either the old or the new instance of the structure
		...1		QUASTRREBLDSTOPDUPLXOUTOFSYNCH	"X'20" During a system-managed duplexing rebuild a duplexed request failed
		.... 1..		QUASTRREBLDSTOPNOCONIDAVAIL	"X'10" During a system-managed duplexing rebuild an out of synch condition was detected by a duplexed request issued during the duplex established phase
		.... .1..		QUASTRREBLDSTOPALLOWUSERLIMCHG	"X'08" The duplexing rebuild was stopped because the structure instance did not have any available CONIDs
128	(80)	SIGNED	4	QUASTRREBLDSTOPUCODE	User code if rebuild stop reason was connector. (QUASTRREBLDSTOPCONN)
132	(84)	CHARACTER	32	QUASTRREBLDPHASECONFIRMSTNG	Bit string representing active connections for this phase of rebuild. The bit position maps to the connection identifier. See QUASTRUSERCONID.
164	(A4)	CHARACTER	104	QUASTRUSYNCFINFO (0)	IXLUSYNC related information.
164	(A4)	CHARACTER	32	QUASTRUSYNCCONFIRMSTNG	Bit string representing active connections needing to respond to User Sync Point event represented by QUASTRUSYNCCONFIRMSTNG. The bit position maps to the connection identifier. See QUASTRUSERCONID.
196	(C4)	SIGNED	4	QUASTRUSYNCCONFIRMSTNG	Next User Sync Point event. This is the current event. In the event exit, the user receives this as the next event.
200	(C8)	CHARACTER	32	QUASTRUSYNCCONFIRMSTNG	Next User Sync Point user state information
232	(E8)	SIGNED	4	QUASTRUSYNCCOMPLETED	Completed User Sync Point event. This is the previous event which has completed. In the event exit, the user receives this as the completed event.
236	(EC)	CHARACTER	32	QUASTRUSYNCCOMPLETEDUSTATE	Completed User Sync Point user state information
268	(10C)	SIGNED	4	QUASTRPENDSIZE	Size of the structure in the pending policy, in units of 4K bytes. This field is valid only when it contains a nonzero value. Note that this field is set to the pending policy INITSIZE (if specified) or to the pending policy SIZE (if INITSIZE is not specified).
272	(110)	BITSTRING	1	QUASTRREBLDFLAGS (0)	Rebuild flags
		1...		QUASTRREBLDDUPLX	"X'80" Indicates whether or not the in-progress rebuild is a duplexing rebuild
		.1..		QUASTRREBLDSWITCHINPROGRESS	"X'40" Indicates whether or not a switch to simplex mode using the new structure has been initiated for a duplexing rebuild that was in the rebuild duplex established phase.
		.... ...1		QUASTRPROCESSMETHOD	"X'01" ON => the process in progress is system-managed. OFF=> the process in progress is user-managed. The process type is identified by the QuaStrStRebld and QuaStrRebldDuplex flags.
273	(111)	CHARACTER	2	QUASTRRSVD	Reserved
275	(113)	BITSTRING	1	QUASTRFULLTHRESHOLD	FULLTHRESHOLD for a structure as specified or defaulted to in the CFRM active policy
276	(114)	SIGNED	4	QUASTRMINSIZE	MINSIZE for structure as specified or defaulted to in CFRM active policy (number in multiple of 4K bytes)
280	(118)	CHARACTER	15	QUASTRALTER (0)	Structure alter data Only has data if QUASTRSTALTER is on.
280	(118)	BITSTRING	1	QUASTRALTERFLG1 (0)	Structure alter status flags
		1...		QUASTRALTERSTOP	"X'80" Structure alter stopped
		.1..		QUASTRALTEROPSTART	"X'40" Structure alter started by SETXCF command
		..1.		QUASTRALTEROPSTOP	"X'20" Structure alter stopped by SETXCF command

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		QUASTRALTERPGMSTART	"X'10" Structure alter started by IXLALTER interface
		.... 1...		QUASTRALTERPGMSTOP	"X'08" Structure alter stopped by IXLALTER interface
		.... .1..		QUASTRALTERREBLDSTOP	"X'04" Structure alter stopped due to structure rebuild
		.... ..1.		QUASTRALTERSYSSTART	"X'02" Structure alter started by system for AutoAlter
		.... ...1		QUASTRALTERSYSSTOP	"X'01" Structure alter stopped by system for AutoAlter
281	(119)	BITSTRING	1	QUASTRALTERFLG2 (0)	Structure alter consensus from all connections and alter request data
		1...		QUASTRALTERCHGSIZE	"X'80" Structure alter request specified size change
		.1..		QUASTRALTERCHGRATIO	"X'40" Structure alter request specified ratio change
		..1.		QUASTRALTERCHGEMC	"X'20" Structure alter request specified EMC change
		...1		QUASTRALTERNEW	"X'10" Alter in progress against the new structure during a duplexing rebuild process
		.... 1...		QUASTRALTEROLD	"X'08" Alter in progress against the old structure during a duplexing rebuild process
		.... ..1.		QUASTRALTERCFSTART	"X'02" Structure alter started by coupling facility
		.... ...1		QUASTRALTERRATIO	"X'01" Structure alter permits change to ratio
282	(11A)	BITSTRING	1	QUASTRALTERMINENTRY	Maximum for all connections of the minimum percent of entries
283	(11B)	BITSTRING	1	QUASTRALTERMINELEMENT	Maximum for all connections of the minimum percent of elements
284	(11C)	SIGNED	4	QUASTRALTERTSIZE	Structure alter target size
288	(120)	SIGNED	2	QUASTRALTERENTRYRATIO	Structure alter target entry part of entry-to-element ratio
290	(122)	SIGNED	2	QUASTRALTERTELEMENTRATIO	Structure alter target element part of entry-to-element ratio
292	(124)	SIGNED	2	QUASTRALTERTEMCSTGPCT	Structure alter target for Event Monitor Control storage Percent
294	(126)	BITSTRING	1	QUASTRALTERMINEMC	Maximum for all connections of the minimum percent of EMC storage
295	(127)	CHARACTER	1		Reserved
296	(128)	SIGNED	4	QUASTRSYSNUMRECS	Number of records for system-related information for specified structure (QUASTRSYS)
300	(12C)	SIGNED	4	QUASTRSYSO	Offset from QUASTR to QUASTRSYS records
304	(130)	SIGNED	4	QUASTRSUBNOTIFYDELAY	STR sublist notification delay
308	(134)	SIGNED	2	QUASTRRECPRTY	RECPRTY for structure as specified in CFRM active policy. Value of zero implies not specified
310	(136)	SIGNED	2	QUASTRSYSRECPRTY	RECPRTY for structure determined by the system. Value of zero implies RECPRTY is not supported for the structure and it will not participate in LOSSCONN RECOVERY management.
310	(136)	X'138'	0	QUASTR_LEN	"*-QUASTR"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	QUASTR1	STR record data format for QUAA level 1
0	(0)	CHARACTER	312		Mapped by QUASTR
312	(138)	CHARACTER	16	QUASTRUSYNCFIN2 (0)	Additional USYNC info
312	(138)	SIGNED	4	QUASTRUSYNCCOMPCODE	Next completion code
316	(13C)	SIGNED	4	QUASTRUSYNCCOMPLETEDCOMPCODE	Completed completion code
320	(140)	CHARACTER	8		Reserved
328	(148)	BITSTRING	1	QUASTRREBLDPCTLOSSCONN	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
329	(149)	CHARACTER	3		Percent loss of connectivity associated with a structure rebuild that was initiated by MVS based on REBUILDPERCENT	
332	(14C)	CHARACTER	8	QUASTRGRPNAME	Reserved	
340	(154)	CHARACTER	8	QUASTRPOPCFNAME	XCF group name associated with this structure, if the structure is being used as a serialized structure. Otherwise, this field contains binary zero	
348	(15C)	BITSTRING	8	QUASTRAUTOVERSION	Name of Coupling Facility for this structure is a PopulateCF candidate, if the structure is a PopCF candidate. Otherwise, this field contains binary zero	
356	(164)	CHARACTER	44	QUASTRPPINFO (0)	If a system-managed process affecting this structure is in progress (QUASTRPROCESSMETHOD = ON), this field contains a token that can be used to correlate events related to that process. If no system-managed process affecting this structure is in progress, this field contains zero. Detail info for pending policy changes. Valid only when QUASTRSTTOBECHANGED and QUASTRPPVALID are on. Returned only for QUAALevel=2 or higher	
356	(164)	BITSTRING	4	QUASTRPPFLAGS (0)	Pending policy flags	
		1...		QUASTRPPVALID	"X'80" Pending policy info is valid to look at	
		.1..		QUASTRPPENFORCEORDER	"X'40" Pending policy ENFORCEORDER	
356	(164)	BITSTRING	3		Reserved	
360	(168)	SIGNED	4	QUASTRPPSIZE	Pending policy SIZE	
364	(16C)	SIGNED	4	QUASTRPPINITSIZE	Pending policy INITSIZE	
368	(170)	SIGNED	4	QUASTRPPMINSIZE	Pending policy MINSIZE	
372	(174)	SIGNED	4	QUASTRPPPL#	Pending policy number of prelist entries	
376	(178)	SIGNED	4	QUASTRPPPLO	Pending policy offset to prelist entries	
380	(17C)	SIGNED	4	QUASTRPPXL#	Pending policy number of exlist entries	
384	(180)	SIGNED	4	QUASTRPPXLO	Pending policy offset to exlist entries	
388	(184)	BITSTRING	1	QUASTRPPSCMALG	Pending Policy - SCMALGORITHM. Valid only when QuaStrPPSCMMAXSIZE value is non-zero	
389	(185)	CHARACTER	3		Reserved	
392	(188)	CHARACTER	8	QUASTRPPSCMMAXSIZE	Pending Policy - SCMMAXSIZE	
400	(190)	CHARACTER	12		Reserved	
412	(19C)	BITSTRING	1	QUASTRSCMALG	SCMALGORITHM for structure as specified in CFRM active policy. Valid only when QuaStrSCMMAXSIZE value is non-zero	
413	(19D)	CHARACTER	3		Reserved	
416	(1A0)	CHARACTER	8	QUASTRSCMMAXSIZE	SCMMAXSIZE for structure as specified in CFRM active policy (number in multiple of 4K bytes) or 0 when SCMMAXSIZE is not specified	
424	(1A8)	CHARACTER	16		Reserved	
424	(1A8)	X'1B8'	0	QUASTR1_LEN	""-QUASTR1"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	QUASTR2	STR record data format for QUAA level 3	
0	(0)	CHARACTER	440		Mapped by QUASTR1	
440	(1B8)	CHARACTER	16		Reserved	
456	(1C8)	SIGNED	4	QUASTRMSGBASEDLEVEL	Level of message-based event processing currently being used by CFRM. Valid when QuaStrMsgBasedEventMgmt is on.	
460	(1CC)	SIGNED	4	QUASTRMSGBASEDMGRSYSSID (0)	Message-based manager system - system token. Valid when QuaStrMsgBasedEventMgmt is on. Token may be null during transition to a new managing system.	
460	(1CC)	BITSTRING	1	QUASTRMSGBASEDMGRSYSNUM	System slot number	
461	(1CD)	SIGNED	3	QUASTRMSGBASEDMGRSYSSEQ	System sequence number	
464	(1D0)	CHARACTER	8	QUASTRMSGBASEDMGRSYSNAME	Message-based manager system - system name. Valid when QuaStrMsgBasedEventMgmt is on. Name may be blank during transition to a new managing system.	

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
472	(1D8)	CHARACTER	64	QUASTRDIAGINFO (0)	Diagnostic Information
472	(1D8)	CHARACTER	4	QUASTRDIAGINFOW01 (0)	Diagnostics word 1
472	(1D8)	BITSTRING	1	QUASTRDIAGINFOW01B1	Diagnostics word 1 - Byte 1
473	(1D9)	BITSTRING	1	QUASTRDIAGINFOW01B2	Diagnostics word 1 - Byte 2
474	(1DA)	BITSTRING	1	QUASTRDIAGINFOW01B3	Diagnostics word 1 - Byte 3
475	(1DB)	BITSTRING	1	QUASTRDIAGINFOW01B4	Diagnostics word 1 - Byte 4
476	(1DC)	CHARACTER	4	QUASTRDIAGINFOW02	Diagnostics word 2
480	(1E0)	CHARACTER	4	QUASTRDIAGINFOW03	Diagnostics word 3
484	(1E4)	CHARACTER	4	QUASTRDIAGINFOW04	Diagnostics word 4
488	(1E8)	CHARACTER	4	QUASTRDIAGINFOW05	Diagnostics word 5
492	(1EC)	CHARACTER	4	QUASTRDIAGINFOW06	Diagnostics word 6
496	(1F0)	CHARACTER	4	QUASTRDIAGINFOW07	Diagnostics word 7
500	(1F4)	CHARACTER	4	QUASTRDIAGINFOW08	Diagnostics word 8
504	(1F8)	CHARACTER	4	QUASTRDIAGINFOW09	Diagnostics word 9
508	(1FC)	CHARACTER	4	QUASTRDIAGINFOW10	Diagnostics word 10
512	(200)	CHARACTER	4	QUASTRDIAGINFOW11	Diagnostics word 11
516	(204)	CHARACTER	4	QUASTRDIAGINFOW12	Diagnostics word 12
520	(208)	CHARACTER	4	QUASTRDIAGINFOW13	Diagnostics word 13
524	(20C)	CHARACTER	4	QUASTRDIAGINFOW14	Diagnostics word 14
528	(210)	CHARACTER	4	QUASTRDIAGINFOW15	Diagnostics word 15
532	(214)	CHARACTER	4	QUASTRDIAGINFOW16	Diagnostics word 16
532	(214)	X'218'	0	QUASTR2_LEN	**-QUASTR2"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	QUASTRPL	QUAA data for specified structure preference list (for active or pending policy)
0	(0)	BITSTRING	1	QUASTRPLTYP	X'21' structure preference list entry record, X'A1' Last structure preference list entry record
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUASTRPLEN	Length of record
4	(4)	BITSTRING	1	QUASTRPLVALIDBITS (0)	Validity bits
		1...		QUASTRPLCFINFOVALID	"X'80" When ON, QUASTRPLCFINFO has valid information which gives additional status for the coupling facility. Only set when QUAALEVEL=2 or higher.
		.1..		QUASTRPLCFNDVALID	"X'40" When ON, QUASTRPLCFND has valid node descriptor for the coupling facility. Only set when QUAALEVEL=2 or higher.
5	(5)	BITSTRING	1	QUASTRPLCFINFO (0)	Coupling facility information. Data in field is valid only if QuaStrPLCFInfoValid is on.
		1...		QUASTRPLCFNOTDEFINED	"X'80" When ON, this coupling facility is not defined in the CFRM active policy. This is most likely due to an in progress policy change.
		.... ..1.		QUASTRPLCFNOSYSCONN	"X'02" When ON, no systems have connectivity to this coupling facility.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ...1		QUASTRPLCFALLOCNOTPERMITTED	"X'01" When ON, structure allocation is not permitted in the coupling facility.
6	(6)	CHARACTER	2	QUASTRPLRSVD	Reserved
8	(8)	CHARACTER	8	QUASTRPLNAME	Coupling facility named in preference list entry
8	(8)	X'10'	0	QUASTRPL_LEN	"*-QUASTRPL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRPL1	STRPL record data format for QUAA level 1
0	(0)	CHARACTER	16		Mapped by QUASTRPL
16	(10)	CHARACTER	32	QUASTRPLCFND (0)	Node descriptor of coupling facility IXLYNDE maps this field. Data in field is valid only if QuaStrPLCFNDValid is on.
16	(10)	CHARACTER	4		See IXLYNDE
20	(14)	CHARACTER	26	QUASTRPLCFID	EBCDIC portion of ND. See IXLYNDE. Note: NDEMODEL may be zero.
46	(2E)	CHARACTER	2		See IXLYNDE
46	(2E)	X'30'	0	QUASTRPL1_LEN	"*-QUASTRPL1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRXL	QUAA data for specified structure exclusion list (for active or pending policy)
0	(0)	BITSTRING	1	QUASTRXLTYP	X'22' Structure exclusion list entry record, X'A2' Last structure exclusion list entry record
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUASTRXLLEN	Length of record
4	(4)	CHARACTER	4	QUASTRXLRSVD	Reserved
8	(8)	CHARACTER	16	QUASTRXLNAME	Structure named in exclusion list entry
8	(8)	X'18'	0	QUASTRXL_LEN	"*-QUASTRXL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRXL1	STRXL record data format for QUAA level 1
0	(0)	CHARACTER	24		Mapped by QUASTRXL
24	(18)	CHARACTER	32		Reserved
24	(18)	X'38'	0	QUASTRXL1_LEN	"*-QUASTRXL1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRCF	QUAA data for coupling facility of specified structure
0	(0)	BITSTRING	1	QUASTRCFTYP	X'23' Coupling facility of specified structure record, X'A3' Last coupling facility of specified structure record.
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUASTRCFLEN	Length of record
4	(4)	CHARACTER	8	QUASTRCFNAME	Name of coupling facility where structure is allocated
12	(C)	BITSTRING	1	QUASTRCFFLG (0)	Structure allocation status
		1...		QUASTRCFACT	"X'80" ON->Only 1 structure is allocated with this structure name. Not part of a rebuild pair. OFF->2 structures are allocated with this name. See QuaStrCFRebldNew and QuaStrCFRebldOld to determine if this record represents either the rebuild new or rebuild old structure.
		.1..		QUASTRCFREBLDOLD	"X'40" Rebuild/old. If structure rebuild (IXLREBLD) has been initiated the original active structure is now the old structure.
		..1.		QUASTRCFREBLDNEW	"X'20" Rebuild/new. If structure rebuild (IXLREBLD) has been initiated this structure is the new structure.
		...1		QUASTRCFTRAN	"X'10" Transitional state. The structure is either being allocated in coupling facility or being deallocated from coupling facility.
		.... 1...		QUASTRCFHOLD	"X'08" Holding state. If structure was being deleted from the coupling facility but connectivity was lost, it is tracked in the policy.
		.... .1..		QUASTRCFDUMPTBL	"X'04" Structure can not be deallocated since a dump table is associated with the structure.
		.... ...1		QUASTRCFMONALTERINPROGRESS	"X'01" The structure alter is CF initiated and being monitored for completion.

IXCYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
13	(D)	BITSTRING	1	QUASTRCFFLG2 (0)	Structure state
		1... ..		QUASTRCFSTRFAIL	"X'80" Structure failure has been recognized for this version of the structure.
		.1.. ..		QUASTRCFACCESSTIMENOLIMIT	"X'40" Structure was allocated with IXLCONN ACESSTIME(NOLIMIT). Valid only if structure is QUASTRCFACT, QUASTRCFREBLDNEW, or QUASTRCFREBLDOLD.
		..1.		QUASTRCFNOSYSCON	"X'20" No systems have connectivity to the facility in which the structure is allocated.
		...1		QUASTRCFDUPALTERDEFER	"X'10" The structure is duplexed and the alter of this structure instance is deferred, waiting for the alter of the other structure instance to complete.
		.... 1...		QUASTRCFDUPALTERINPROGRESS	"X'08" The structure is duplexed and the alter of this structure instance is in progress.
		.... .1..		QUASTRCFVOLATILE	"X'04" The structure instance is allocated in a coupling facility with volatile storage when this bit is ON.
		.... ..1.		QUASTRCFDUPALTERSCMINUSE	"X'02" The structure is duplexed, an alter of this structure instance is in progress and the alter process can not complete while storage-class memory is in use by one or both structure instances.
		.... ...1		QUASTRCFDUPALTERCONTRACT	"X'01" The structure is duplexed, an alter contraction of this structure instance is in progress and the alter process can not complete while storage-class memory is in use by one or both structure instances.
14	(E)	SIGNED	2	QUASTRCFACCESSTIMEMAXIMUM	Access time for IXLCONN ACESSTIME(MAXIMUM). Valid only if structure is QUASTRCFACT, QUASTRCFREBLDNEW, or QUASTRCFREBLDOLD.
16	(10)	CHARACTER	32	QUASTRCFND (0)	Node descriptor of coupling facility where structure is allocated. IXLYNDE maps this field.
16	(10)	CHARACTER	4		See IXLYNDE
20	(14)	CHARACTER	26	QUASTRCFID	EBCDIC portion of ND. See IXLYNDE. Note: NDEMODEL may be zero.
46	(2E)	CHARACTER	2		See IXLYNDE
48	(30)	CHARACTER	4		Reserved
52	(34)	BITSTRING	8	QUASTRCFVERSION (0)	Structure version. Time structure was allocated.
52	(34)	BITSTRING	8	QUASTRCFPHYSICALVERSION	Physical version for the structure. Changes when a new physical instance of the structure is allocated (e.g., user- or system-managed rebuild), and there is at least one active connector to observe the allocation.
60	(3C)	SIGNED	2	QUASTRCFMAXCONN	Maximum number of connections allowed when structure was allocated in coupling facility. Valid only if structure is QUASTRCFACT, QUASTRCFREBLDOLD, or QUASTRCFREBLDNEW.
62	(3E)	SIGNED	2	QUASTRCFSTRDUMPID	Structure Dump ID. Non zero value indicates dump table associated with structure. Valid only if structure is QUASTRCFACT, QUASTRCFREBLDNEW, QUASTRCFREBLDOLD, or QUASTRCFDUMPTBL.
64	(40)	SIGNED	2	QUASTRCFSMALLESTNUMUSERS	The smallest value specified for NUMUSERS or MAXCONN on an IXLCONN by any active or failed-persistent connector to the structure. Valid only if structure is QUASTRCFACT, QUASTRCFREBLDOLD, or QUASTRCFREBLDNEW and structure is list or lock
66	(42)	CHARACTER	6		Reserved
66	(42)	X'48'	0	QUASTRCF_LEN	"*-QUASTRCF"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRCF1	STRCF record data format for QUAA level 1
0	(0)	CHARACTER	72		Mapped by QUASTRCF
72	(48)	BITSTRING	8	QUASTRCFLOGICALVERSION	Logical structure version number. Used in conjunction with the physical version number to identify an instance of a structure. The value of this field is set equal to the physical version number when the structure is initially allocated. It changes when a process that allocates a new instance of the structure (e.g., rebuild) is user-managed, but not when it is system-managed.
80	(50)	BITSTRING	1	QUASTRCFRDATA LISTSPERCONN	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
81	(51)	CHARACTER	43		Number of lists per connection when lock structure with record data is allocated to support multiple lists. A nonzero value is returned when the structure is allocated (QuaStrCfAct, QuaStrCfRebldOld, or QuaStrCfRebldNew is on) and supports more than 1 record data list per connection.	
124	(7C)	SIGNED	4	QUASTRCFALTERSYSID (0)	Reserved	
124	(7C)	BITSTRING	1	QUASTRCFALTERSYSNUM	Zero or system token identifying the system that is responsible for structure alter processing. Used when the structure is being altered (QuaStrStAlter is ON) and either QuaStrCfAct, QuaStrCfRebldOld, or QuaStrCfRebldNew is ON.	
125	(7D)	SIGNED	3	QUASTRCFALTERSYSSEQ	System slot number	
128	(80)	CHARACTER	8	QUASTRCFALTERSYSNAME	System sequence number	
128	(80)	X'88'	0	QUASTRCF1_LEN	Zero or name of the system that is responsible for structure alter processing. Used when the structure is being altered (QuaStrStAlter is ON) and either QuaStrCfAct, QuaStrCfRebldOld, or QuaStrCfRebldNew is ON.	
					**_QUASTRCF1"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	QUAUSER	QUAA data for connector to specified structure	
0	(0)	BITSTRING	1	QUAUSERSTYP	X'24' Connector to structure record, X'A4' Last connector to structure record.	
1	(1)	CHARACTER	1		Reserved X'00'	
2	(2)	SIGNED	2	QUAUSERLEN	Length of record	
4	(4)	CHARACTER	4	QUAUSERCONVERSION	Connection version	
8	(8)	CHARACTER	8	QUAUSERCADATA	Connect data	
16	(10)	CHARACTER	16	QUAUSERCNAME	Connect name	
32	(20)	CHARACTER	8	QUAUSERCLEVEL	Connect level	
40	(28)	SIGNED	4	QUAUSERSID (0)	System token for system on which connector was last active	
40	(28)	BITSTRING	1	QUAUSERSNUM	System slot number	
41	(29)	SIGNED	3	QUAUSERSSSEQ	System sequence number	
44	(2C)	CHARACTER	1		Reserved	
45	(2D)	BITSTRING	1	QUAUSERINFOLEVEL	Indicates the level of information returned for the connection.	
46	(2E)	CHARACTER	2	QUAUSERASID	ASID of connector when last active	
48	(30)	CHARACTER	8	QUAUSERDDATA	Disconnect data	
56	(38)	SIGNED	4	QUAUSERCFLEVEL	Connect CFLEVEL	
60	(3C)	CHARACTER	4		Reserved	
64	(40)	CHARACTER	8	QUAUSERSYS	System name for system on which connector was last active	
72	(48)	CHARACTER	8	QUAUSERSTKN	Stoken when connector was last active	
80	(50)	CHARACTER	8	QUAUSERJOB	Job name / Started task name when connector was last active	
88	(58)	BITSTRING	1	QUAUSERFLG1 (0)	Flags for state of connection	
		1... ..		QUAUSERACT	"X'80" Active state - connection established.	
		.1.. ..		QUAUSERFAIL	"X'40" Failed Persistent state - connection with CONDISP=KEEP has failed and all of the event exit responses have been received with RELEASECONN=NO.	
		..1.		QUAUSERTERM	"X'20" Failing state - connection terminated abnormally and not all of the event exit responses have been received.	
		...1		QUAUSERDISC		

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		QUASTRUSERDISP	"X'10" Disconnecting state - connection disconnected and not all of the event exit responses have been received.
		.... .1..		QUASTRUSERDUAL	"X'08" Connected with CONDISP=KEEP
		.... ..1.		QUASTRUSERALLOWREBLD	"X'04" Connected to both structures during structure rebuild (IXLREBLD). If structure rebuild has been initiated and 2 structures exist (the original active structure is now the old structure and the 2nd structure is the new structure) then the connector is currently connected to both.
		.... ...1		QUASTRUSERALLOWDUPREBLD	"X'02" Connected with ALLOWREBLD=YES
89	(59)	BITSTRING	1	QUASTRUSERFLG2 (0)	"X'01" Connected with ALLOWDUPREBLD=YES, indicating that this user allows and supports duplexing rebuild protocols for user-managed duplexing.
		1...		QUASTRUSERNCSTR	Flags for connectivity state of connected user.
		.1..		QUASTRUSERNCSTRNEW	"X'80" If QUASTRSTREBLD is off then the connected user lost connectivity to the active/in use structure. If QUASTRSTREBLD is on then use QUASTRUSERNCSTRNEW and/or QUASTRUSERNCSTROLD.
		..1.		QUASTRUSERNCSTROLD	"X'40" If QUASTRSTREBLD is on and QUASTRUSERDUAL is on then the connected user lost connectivity to the new structure.
90	(5A)	BITSTRING	1	QUASTRUSERCONID	"X'20" If QUASTRSTREBLD is on then the connected user lost connectivity to the old structure.
					Connection identifier. The connection identifier is used for the bit position within confirm strings. These start with bit position zero. For example, if connections with connection identifiers 1, 4, and 6 are represented in a confirm string the 1st byte would be '4A'X with all remaining bytes '00'X.
91	(5B)	BITSTRING	1	QUASTRUSERFLG3 (0)	Flags for failure isolation information for a user.
		1...		QUASTRUSERFAILISOLSTR	"X'80" This information is only available if QUASTRUSERACT is on and QUASTRUSERINFOLEVEL is equal to or greater than QUASTRUSERINFOLEVEL1. If QUASTRSTREBLD is off, the system from which the user has connected is failure isolated from the active/in use structure. If QUASTRSTREBLD is on then use QUASTRUSERFAILISOLSTRNEW and/or QUASTRUSERFAILISOLSTROLD.
		.1..		QUASTRUSERFAILISOLSTRNEW	"X'40" This information is only available if QUASTRUSERACT is on and QUASTRUSERINFOLEVEL is equal to or greater than QUASTRUSERINFOLEVEL1. If QUASTRSTREBLD is on and QUASTRUSERDUAL is on then the system from which the user has connected is failure isolated from the new structure.
		..1.		QUASTRUSERFAILISOLSTROLD	"X'20" This information is only available if QUASTRUSERACT is on and QUASTRUSERINFOLEVEL is equal to or greater than QUASTRUSERINFOLEVEL1. If QUASTRSTREBLD is on, the system from which the user has connected is failure isolated from the old structure.
		...1		QUASTRUSERNONVOLREQ	"X'10" When ON, the user specified IXLCONN NONVOLREQ=YES. Valid only when QUASTRUSERACT is on.
92	(5C)	BITSTRING	1	QUASTRUSERFLG4 (0)	Flags for rebuild information for a user.
		1...		QUASTRUSERALLOWAUTO	"X'80" When ON, this field indicates that the user specified IXLCONN with ALLOWAUTO=YES
		..1.		QUASTRUSERSUSPEND	"X'20" When ON, the user specified IXLCONN with ALLOWAUTO=YES SUSPEND=YES. See also QUASTRUSERSUSPENDFAIL. Valid only when QUASTRUSERALLOWAUTO is ON. Applicable only when QUASTRUSERACT is ON.
		...1		QUASTRUSERSUSPENDFAIL	"X'10" When ON, the user IXLCONN with ALLOWAUTO=YES SUSPEND=FAIL. When both QUASTRUSERSUSPEND and QUASTRUSERSUSPENDFAIL are OFF, the user specified IXLCONN with SUSPEND=NO. Valid only when QUASTRUSERALLOWAUTO is ON. Applicable only when QUASTRUSERACT is ON.
		.... ..1.		QUASTRUSERALLOWUSERLIMCHG	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ...1		QUASTRUSERCRITICAL	"X'02" When ON, connector specified MAXCONN=xxx on the IXLCONN. This indicates that the connector can support a user limit change resulting from a system-managed process.
93	(5D)	CHARACTER	2		"X'01" When ON, the user specified IXLCONN with CRITICAL=YES.
95	(5F)	BITSTRING	1	QUASTRUSERTERMLEVEL	Reserved
96	(60)	CHARACTER	6		Connector termination level. See QuaStrUserTermLevel_Xxx constants below.
102	(66)	SIGNED	2	QUASTRUSERNUMUSERS	Reserved
104	(68)	CHARACTER	4	QUASTRUSERALTER (0)	NUMUSERS specified by this connector, valid only for list or lock structures.
104	(68)	BITSTRING	2	QUASTRUSERALTERFLG (0)	Structure alter data as specified by connection via IXLCONN.
		1...		QUASTRUSERALTERALLOWED	Structure alter flags
		.1..		QUASTRUSERALTERRATIO	"X'80" Structure alter allowed. IXLCONN specified with ALLOWALTER=YES
106	(6A)	BITSTRING	1	QUASTRUSERALTERMINENTRY	"X'40" Structure alter permits change to ratio. IXLCONN specified with RATIO=YES.
107	(6B)	BITSTRING	1	QUASTRUSERALTERMINELEMENT	Value specified on IXLCONN for MINENTRY.
108	(6C)	CHARACTER	16	QUASTRUSERCONTOKEN	Value specified on IXLCONN for MINELEMENT.
124	(7C)	CHARACTER	4	QUASTRUSERALTER2 (0)	Contoken for the user. This is always the original contoken returned on IXLCONN. The temporary contoken returned on IXLCONN REBUILD is not returned.
124	(7C)	BITSTRING	1	QUASTRUSERALTERMINEMC	More structure alter data as specified by connection via IXLCONN.
125	(7D)	CHARACTER	3		Value specified on IXLCONN for MINEMC.
128	(80)	CHARACTER	8	QUASTRUSERRSVD2	Reserved
128	(80)	X'88'	0	QUASTRUSER_LEN	Reserved
					"*-QUASTRUSER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRUSER1	STRUSER record data format for QUAA level 1
0	(0)	CHARACTER	136		Mapped by QUASTRUSER
136	(88)	CHARACTER	32	QUASTRUSERDISCFAILEDCONFSTRING	User's current disconnect/failure confirm string. Valid only for unserialized structures
168	(A8)	CHARACTER	88		Reserved
168	(A8)	X'100'	0	QUASTRUSER1_LEN	Reserved
					"*-QUASTRUSER1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QUASTRSYS	QUAA data for system-specific information for specified structure
0	(0)	BITSTRING	1	QUASTRSYSTYP	X'25' System-info structure record, X'A5' Last system-info structure record.
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUASTRSYSLEN	Length of record
4	(4)	CHARACTER	8	QUASTRSYSNAME	
12	(C)	SIGNED	4	QUASTRSYSSID (0)	System name System token
12	(C)	BITSTRING	1	QUASTRSYSNUM	System slot number
13	(D)	SIGNED	3	QUASTRSYSSEQ	System sequence number
16	(10)	BITSTRING	4	QUASTRSYSFLAGS (0)	
16	(10)	BITSTRING	1	QUASTRSYSFLAGS1 (0)	System-related flags First byte of flags

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1... ..		QUASTRSYSALLOCATING	"X'80" This system is in the process of allocating the new structure during the allocate phase of a system-managed process (e.g., rebuild)
		.1.. ..		QUASTRSYSATTACHING	"X'40" This system is in the process of attaching connectors to the new structure during the attach phase of a system-managed process (e.g., rebuild)
		..1.		QUASTRSYSATTACHED	"X'20" This system has successfully attached connectors to the new structure during the attach phase of a system-managed process (e.g., rebuild)
		...1		QUASTRSYSCOPYWORKING	"X'10" This system is participating in the copy phase of a system-managed process (e.g., rebuild)
		.... 1...		QUASTRSYSCOPYFAILED	"X'08" This system was participating in the copy phase of a system-managed process (e.g., rebuild), but has failed.
		.... .1..		QUASTRSYSCOPYSTOPPING	"X'04" This system is participating in the copy stop phase of a system-managed process (e.g., rebuild), and is stopping the copy process.
		.... ..1.		QUASTRSYSCOPYSTOPPED	"X'02" This system was participating in the copy stop phase of a system-managed process (e.g., rebuild), and has now stopped.
17	(11)	BITSTRING	1	QUASTRSYSFLAGS2	Second byte of flags
18	(12)	BITSTRING	1	QUASTRSYSFLAGS3	Third byte of flags
19	(13)	BITSTRING	1	QUASTRSYSFLAGS4	Fourth byte of flags
20	(14)	CHARACTER	44		Reserved
20	(14)	X'40'	0	QUASTRSYS_LEN	"*-QUASTRSYS"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	QUAARMS	QUAA data for ARM element status.
0	(0)	BITSTRING	1	QUAARMSTYP	X'30' ARM element status record, X'B0' Last ARM element status record.
1	(1)	CHARACTER	1		Reserved X'00'
2	(2)	SIGNED	2	QUAARMSLEN	Length of record
4	(4)	CHARACTER	16	QUAARMSELEMENT	Element name
20	(14)	CHARACTER	8	QUAARMSINITSYS	Name of system on which element initially registered with ARM. This will either be the first registration or the first registration after the element was deregistered (either explicitly or by ARM).
28	(1C)	CHARACTER	8	QUAARMSCURRSYS	Name of system on which element is now running (or most recently ran if the element state is FAILED)
36	(24)	CHARACTER	2	QUAARMSINITCLONE	Clone ID of system on which element initially registered.
38	(26)	CHARACTER	2		Reserved
40	(28)	SIGNED	4	QUAARMSTOTELEMENTS	The total number of elements currently registered with ARM.
44	(2C)	SIGNED	4	QUAARMSMAXELEMENTS	The maximum number of elements that are able to be registered with ARM.
48	(30)	CHARACTER	32		Reserved
80	(50)	CHARACTER	8	QUAARMSJESGROUP	Name of JESGROUP to which this element belongs and under which this element runs. Blank if element registered with ELEMbind=CURSYS.
88	(58)	CHARACTER	16	QUAARMSRESTARTGROUP	Name of the restart group to which this element belongs
104	(68)	CHARACTER	8	QUAARMSJOBNAME	Name of the address space where the element registered. Flags QUAARMSBATCHJOB and QUAARMSSTARTEDTSK indicate whether this name is of a job or a started task.
112	(70)	CHARACTER	8	QUAARMSSTOKEN	STOKEN for the address space under which the element last registered.
120	(78)	SIGNED	2	QUAARMSASID	ASID for the address space under which the element last registered.
122	(7A)	SIGNED	2	QUAARMSLEVEL	Level number for this element, determined by ELEMtype on the register request and by LEVEL specified in the current policy.
124	(7C)	CHARACTER	8	QUAARMSELEMTYPE	Element type specified on the register request.
132	(84)	BITSTRING	4	QUAARMSFLAGS	Flags for status
				(0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
132	(84)	BITSTRING	1	QUAARMSSTATEFLAGS (0)	Flags for element status
		1...		QUAARMSSTARTING	"X'80" Element is starting
		.1..		QUAARMSAVAILABLE	"X'40" Element is available
		..1.		QUAARMSFAILED	"X'20" Element is failed
		...1		QUAARMSRSTING	"X'10" Element is restarting
		.... 1...		QUAARMSRCVING	"X'08" Element is recovering
133	(85)	BITSTRING	1	QUAARMSGENFLAGS (0)	Flags for general ARM data
		1...		QUAARMSENABLED	"X'80" ARM restarts are presently enabled in the sysplex
		.1..		QUAARMSFDSWARNING	"X'40" All ARM systems are not currently connected to the FDS. Data may not be current.
134	(86)	BITSTRING	1	QUAARMSFLAGS3 (0)	Third flag byte
		1...		QUAARMSBATCHJOB	"X'80" Element is a batch job
		.1..		QUAARMSSTARTEDTSK	"X'40" Element is a started task
		..1.		QUAARMSBACKING	"X'20" This element is backing up the indicated associated element.
		...1		QUAARMSBACKED	"X'10" This element is being backed up by the indicated associated element.
		.... 1...		QUAARMSOVERRIDEJCL	"X'08" This element has override jcl.
		.... .1..		QUAARMSOVERRIDESTART	"X'04" This element has override start text.
		.... ..1.		QUAARMSTIMEDOUT	"X'02" This element has become AVAILABLE due to a Ready Timeout
		.... ...1		QUAARMSTERMTYPEALLTERM	"X'01" TERMTYPE=ALLTERM is in effect.
135	(87)	BITSTRING	1	QUAARMSFLAGS4 (0)	Fourth flag byte
		1...		QUAARMSNORESTART	"X'80" Current policy prohibits an ARM restart of this element. Restart_Attempts is zero.
		.1..		QUAARMSNOSYSRESTART	"X'40" Element is prohibited to restart on another system. This is determined by the TERMTYPE values specified in the current policy and on the register request.
		..1.		QUAARMSTERMTYPEELEMTERM	"X'40" TERMTYPE=ELEMTERM is in effect.
		...1		QUAARMSTERMYPESYSTEM	"X'20" TERMTYPE=SYSTEM is in effect. Value is determined from TERMTYPE specification on the register request and TERMTYPE specification in the ARM policy. On-> TERMTYPE specified is SYSTEM which prevents this element from being restarted on the system where it is registered. This element will be restarted when the system it is registered on fails. Off->Termination type does not prevent element from being restarted on the system where it is registered.
		.... 1111		QUAARMSELEMBINDCURSYS	"X'10" On -> Element was registered with ELEMBIND=CURSYS. Element has a minimum bind to the system on which it registered. The job or started task in QuaArmsJobName is not restarted when this element fails. QuaArmsJobName only indicates the job or started task under which this element was registered, if any. Off -> Element does not have a minimum bind to the system on which it registered.
		.... 1111		QUAARMSRSTINGINFO	"X'0F" QUAARMSRSTING qualifying information. These bits contain additional qualifying information for an element that is in a restarting state. NOTE: THIS INFORMATION IS ONLY PROVIDED ON THE SYSTEM WHERE THE ELEMENT IS BEING RESTARTED
		.... 1...		QUAARMSRSTINGINERE	

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		QUAARMSRSTINGINEVE	"X'08" Element is in a restarting state. The automatic restart manager has gotten to the point in restart processing where it calls the element restart exits(s). No exits may have been called, an exit may be in control, or all exits may have returned. NOTE: THIS INFORMATION IS ONLY PROVIDED ON THE SYSTEM WHERE THE ELEMENT IS BEING RESTARTED
		.... ..1.		QUAARMSRSTCOMMITTED	"X'04" Element is in a restarting The element's event exit is currently in control or has returned control to ARM. NOTES: 1) THIS INFORMATION IS ONLY PROVIDED ON THE SYSTEM WHERE THE ELEMENT IS BEING RESTARTED 2) Unlike the QUAARMSRSTINGINERE bit, this bit is only set when the element has provided an Event Exit during registration.
				QUAARMSRSTCOMMITTED	"X'02" Element is in a restarting state. ARM has initiated the restart of the element by implementing the restart method. NOTE: THIS INFORMATION IS ONLY PROVIDED ON THE SYSTEM WHERE THE ELEMENT IS BEING RESTARTED
136	(88)	CHARACTER	8	QUAARMSREGTIME	TOD Clock value when the element initially registered with ARM. This will either be the first registration or the first registration after the element was deregistered (either explicitly or by ARM).
144	(90)	CHARACTER	8	QUAARMSFSTRSTR	TOD Clock value at first restart
152	(98)	CHARACTER	8	QUAARMSLSTRSTR	TOD Clock value at most recent restart
160	(A0)	CHARACTER	12	QUAARMSRESTARTCOUNTS (0)	Restart counts
160	(A0)	SIGNED	4	QUAARMSSTOTALRESTARTS	Total number of restarts since the elements initial registration
164	(A4)	SIGNED	2	QUAARMSNUMRESTARTS	Number of restarts of the element that occurred from the time this command was invoked back the number of seconds specified in the current policy.
166	(A6)	SIGNED	2	QUAARMSMAXRESTARTS	Maximum number of restarts attempts ARM will attempt in a given interval, as specified in the current policy.
168	(A8)	SIGNED	4	QUAARMSRESTARTINT	Interval (in seconds) over which the restarts are counted, as specified in the current policy.
172	(AC)	CHARACTER	8	QUAARMSEVENTEXITNAME	Name of element's event-exit routine
180	(B4)	CHARACTER	16	QUAARMSASSOCELEMENT	Name of associated element. QUAARMSBACKING and QUAARMSBACKED flags can be used to determine if this element name is the primary element or the backup element
196	(C4)	CHARACTER	8	QUAARMSASSOCSYSNAME	Name of system on which associated element is running.
204	(CC)	SIGNED	4	QUAARMSRESTARTTIMEOUT	Restart timeout interval used to determine how long how long the Automatic Restart Manager should wait for the element to reregister after having been restarted
208	(D0)	SIGNED	4	QUAARMSREADYTIMEOUT	Ready timeout interval used to determine how long the Automatic Restart Manager should wait for the element to become ready before automatically considering the element to be ready
212	(D4)	SIGNED	4	QUAARMSRESTARTPACING	Restart pacing interval used between the restart of each element in the restart group. It is determined by the RESTART_PACING interval in the policy
216	(D8)	SIGNED	4	QUAARMSFREECSA	The number of kilobytes of CSA that must be available on the target system for this restart group to be restarted
220	(DC)	SIGNED	4	QUAARMSFREEECSA	The number of kilobytes of ECSA that must be available on the target system for this restart group to be restarted
224	(E0)	CHARACTER	16	QUAARMSRMTOKEN	Rmtoken identifying this registration. Same as returned by the RMTOKEN keyword on the register request, if specified.
240	(F0)	SIGNED	4	QUAARMSCLEANUPTIMEOUT	Cleanup timeout interval used to determine how long the Automatic Restart Manager should wait for the system(s) to complete system termination cleanup processing before restarting the element.
244	(F4)	CHARACTER	12	QUAARMSRSVD	Reserved
244	(F4)	X'100'	0	QUAARMS_LEN	""-QUAARMS"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	QUREQFEATURES	Data for Query REQINFO=FEATURES
0	(0)	BITSTRING	4	QUREQFEATURES1 (0)	First word of Features flags
0	(0)	BITSTRING	1	QUREQFEATURES1A (0)	QUREQRFPROXYRESPONSE "X'80" ProxyResponse Feature is available for IXLUSYNC, IXLEERSP REQUEST=REBLDCOMPLETE and IXLEERSP REQUEST=REBLDSTOP
		1... ..		QUREQRFUSYNCCOMPCODE	"X'40" IXLUSYNC COMPCODE function is available on this system
		.1..		QUREQRFREBUILDPCTLOSSCONN	"X'40" Percent lossconn is available for rebuild events on this system
		.1..		QUREQRFREBILDDUPLEX	"X'20" Duplexing rebuild support for user-managed duplexing is available on this system
		...1		QUREQRFIXLMGHWSTATCF	"X'10" HWSTATISTICS(CF) for IXLGM is supported on this system
		.... 1..		QUREQRFIXLRTRDATATYPE	"X'08" IXLRT RDATATYPE function is available on this system
		.... .1..		QUREQRFIXLCONNSUSPENDFAIL	"X'04" IXLCONN SUSPEND FAIL supported on this system
		.... ..1		QUREQRFRETURNRDATATYPE	"X'02" IXLRT support to return the RDATATYPE for record data entries that are read is available on this system
		.... ...1		QUREQRFDEMEBUFFERSIZE	"X'01" DELETE_ENTRYLIST and MOVE_ENTRYLIST buffer size requirements relaxation available on this system
1	(1)	BITSTRING	1	QUREQFEATURES1B (0)	QUREQRFDETAILEDXCFSTATUS "X'80" IXCMG TYPE=MEMBER and AMDALEVEL=1 support is available on this system.
		1... ..		QUREQRFDISALLOWFORCEFPCONN	"X'40" Interface change - IXLFORCE support for new return/reason code is available on this system. The new return/reason code is: RC=04 RSN=xxx041B - ok to force a structure with only failed-persistent connections. SETXCF FORCE support is available on this system. A SETXCF FORCE,STRUCTURE command will force a structure with only failed-persistent connections. A SETXCF FORCE,CONNECTION command will fail to force failed-persistent connections to a persistent serialized list or lock structure.
		.1..		QUREQRFDISPLAYSTRTYPE	"X'40" D XCF,STR,STRNAME=stname provides the structure type if set in the CFRM active policy when the allocated structure is ACTIVE, REBUILD OLD/NEW, or DUPLEXING REBUILD OLD/NEW.
		.1..		QUREQRFQUAALEVEL2	"X'20" Support for QUAALEVEL 2 and related enhancements is available on this system
		.1..		QUREQRFIXCM2DEL	"X'20" Support for the IXCM2DEL XCF member deletion utility is available on this system
		.1..		QUREQRFALLSHAREDPCS	"X'20" Support for IXLGM to return information about CFs shared/dedicated CP status is available on this system
		...1		QUREQRFIXLCONNMONITORSTORAGE	"X'10" IXLCONN MONITORSTORAGE supported on this system
		.... 1..		QUREQRFIXCMGGATHERFROM	"X'08" IXCMG GATHERFROM is supported on this system
		.... .1..		QUREQRFIXCCFCM	"X'04" Support for the IXCCFCM programming interface is installed on this system
		.... ..1		QUREQRFALLOWREALLOCATE	"X'02" The ALLOWREALLOCATE CFRM administrative policy option is supported on this system
		.... ...1		QUREQRFIXLCMPLLOCKFLAGS	"X'01" Support for Locking completion exit to receive miscellaneous flags (including real/false contention indications) is available on this system
2	(2)	BITSTRING	1	QUREQFEATURES1C (0)	QUREQRFALLOCNOTPERMITTED "X'80" Coupling facility Allocation is Not Permitted indicator is available on this system.
		1... ..		QUREQRFMAINTENANCEMODE	
		.1..			

IXCYQUAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		QUREQRFIXCNOTESERVICEAVAIL	"X'40" Coupling facility MAINTENANCE MODE is supported on this system
		.... 1...		QUREQRFIXLCACHEHALTCHGSUPPXI	"X'10" IXCNODE service is available on this system
		.... .1..		QUREQRFIXLCSPPSCM	"X'08" IXLCACHE HaltOnChanged and SuppCrossInval keywords are supported on this system
		.... ..1.		QUREQRFREPOPULATEPROGRESS	"X'04" This system supports IXLCSPP extensions for storage-class (flash) memory
		.... ...1		QUREQRFIXLCACHEWSCASCSSUPPORTED	"X'02" IXLCONN MONITOR AND IXLREBLD REQUEST=POPULATING and WAITING available on this system
3	(3)	BITSTRING 1...	1	QUREQFEATURES1D QUREQRFIXCMSGOXFILTERGROUP	"X'01" IXLCACHE WRITE_DATALIST assignment suppression control and write suppression based on local cache registration is supported on this system
4	(4)	CHARACTER	28		"X'80" IXCMSGOX FILTERGROUP keyword supported on this system
4	(4)	X'20'	0	QUREQFEATURES_LEN	Reserved
					**QUREQFEATURES"

Comment

These constants preserve the names defined in the assembler version of the macro for the lengths of various mappings (ensures that CBGEN generates these names for compatibility with prior releases).

End of Comment

4	(4)	X'10'	0	QUAHLENG	"16"
4	(4)	X'28'	0	QUASLENG	"40"
4	(4)	X'14'	0	QUAGLENG	"20"
4	(4)	X'5C'	0	QUAMLENG	"92"
4	(4)	X'A0'	0	QUACFLENG	"160"
4	(4)	X'10'	0	QUACFSCLENG	"16"
4	(4)	X'18'	0	QUACFSTRLENG	"24"
4	(4)	X'138'	0	QUASTRLENG	"312"
4	(4)	X'10'	0	QUASTRPLENG	"16"
4	(4)	X'18'	0	QUASTRXLLENG	"24"
4	(4)	X'48'	0	QUASTRCFLENG	"72"
4	(4)	X'88'	0	QUASTRUSERLENG	"136"
4	(4)	X'100'	0	QUAARMSLENG	"256"

Comment

Constants defining highest QUAAREVEL supported by indicated REQINFO.

End of Comment

4	(4)	X'2'	0	QUAAREVEL_GROUP	"2" REQINFO = GROUP
4	(4)	X'2'	0	QUAAREVEL_SYSPLEX	"2" REQINFO = SYSPLEX

Comment

Constants defining member states denoted by field QUAMSTA1

End of Comment

4	(4)	X'2'	0	QUAMSCRE	"2" Member State = CREATED
4	(4)	X'3'	0	QUAMSACT	"3" Member State = ACTIVE
4	(4)	X'4'	0	QUAMSQUI	"4" Member State = QUIESCED
4	(4)	X'5'	0	QUAMSFLD	"5" Member State = FAILED

Comment

Constants defining member termination action denoted by field QuamTermLevel

End of Comment

4	(4)	X'1'	0	QUAMTERMLEVEL_TASK	
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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	X'2'	0	QUAMTERMLEVEL_JOBSTEP	"1" TERMLEVEL=MEMASSOC and MEMASSOC=TASK
4	(4)	X'3'	0	QUAMTERMLEVEL_ADDRSPACE	"2" TERMLEVEL=MEMASSOC and MEMASSOC=JOBSTEP
4	(4)	X'5'	0	QUAMTERMLEVEL_SYSTEM	"3" TERMLEVEL=ADDRSPACE or (TERMLEVEL=MEMASSOC and MEMASSOC=ADDRSPACE) "5" TERMLEVEL=SYSTEM

Comment

Constants defining record types

End of Comment

....	....	QUATYPGRP	"X'00" Record type - Group (QUAGRP)
1...	....	QUATYPGRP_LAST	"X'80" Record type - Last Group
....	...1	QUATYPMEM	"X'01" Record type - Member (QUAMEM)
1...	...1	QUATYPMEM_LAST	"X'81" Record type - Last Member
....	..1.	QUATYPSYS	"X'02" Record type - Sysplex (QUASYS)
1...	..1.	QUATYPSYS_LAST	"X'82" Record type - Last Sysplex
...1	....	QUATYPCF	"X'10" Record type - Coupling facility (QUACF)
1..1	....	QUATYPCF_LAST	"X'90" Record type - Last coupling facility
...1	...1	QUATYPCFSC	"X'11" Record type - Systems connected to specified coupling facility (QUACFSC)
1..1	...1	QUATYPCFSC_LAST	"X'91" Record type - Last system connected to specified coupling facility
...1	..1.	QUATYPCFSTR	"X'12" Record type - Structures in specified coupling facility (QUACFSTR)
1..1	..1.	QUATYPCFSTR_LAST	"X'92" Record type - Last structure in specified coupling facility
..1.	....	QUATYPSTR	"X'20" Record type - Structure (QUASTR)
1..1	....	QUATYPSTR_LAST	"X'A0" Record type - Last structure
..1.	...1	QUATYPSTRPL	"X'21" Record type - Structure preference list entry (QUASTRPL)
1..1	...1	QUATYPSTRPL_LAST	"X'A1" Record type - Last structure preference list entry
..1.	..1.	QUATYPSTRXL	"X'22" Record type - Structure exclusion list entry (QUASTRXL)
1..1	..1.	QUATYPSTRXL_LAST	"X'A2" Record type - Last structure exclusion list entry
..1.	..11	QUATYPSTRCF	"X'23" Record type - Coupling facility for allocated structure (QUASTRCF)
1..1	..11	QUATYPSTRCF_LAST	"X'A3" Record type - Last coupling facility for allocated structure
..1.	..1.	QUATYPSTRU	"X'24" Record type - Structure connector data (QUASTRUSER)
1..1	..1.	QUATYPSTRU_LAST	"X'A4" Record type - Last structure connector data
..1.	..1.1	QUATYPSTRSYS	"X'25" Record type - Structure system data (QUASTRSYS)
1..1	..1.1	QUATYPSTRSYS_LAST	"X'A5" Record type - Last structure system data
..11	....	QUATYPARMS	"X'30" Record type - ARM element Status (QUAARMS)
1.11	....	QUATYPARMS_LAST	"X'B0" Record type - Last ARM Element Status

Comment

Constants defining service codes

End of Comment

4	(4)	X'4'	0	QUASERV_CFRM	"4" Query CFRM information function code. It indicates the request type (REQTYPE) and is the 2nd byte of 1st word in the IXCQUERY parameter list. Note: This constant is used by XCF Resource Management. It is hardcoded in IXCQUERY macro.
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Comment

Constants defining structure type for QuaStrStrType

End of Comment

....	..11	QUASTRTYPELIST	"X'03" list
....	..1.	QUASTRTYPECACHE	

IXCYQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1111 111.		QUASTRTYPESERLIST	"X'04" cache
		1111 1111		QUASTRTYPELOCK	"X'FE" serialized list "X'FF" lock
Comment					
Constants for QuaStrUserInfoLevel					
End of Comment					
4	(4)	X'1'	0	QUASTRUSERINFOLEVEL1	"1"
Comment					
Constants for QuaStrSCMALG					
End of Comment					
4	(4)	X'1'	0	QUASTRSCMALGKEYPRIORITY1	"1" High-order byte of list entry key specifies SCM migration priority for lists 1-512
Comment					
Constants defining connector termination action denoted by field QuaStrUserTermLevel					
End of Comment					
4	(4)	X'0'	0	QUASTRUSERTERMLEVEL_TASK	"0" IXLCONN TERMLEVEL=TASK. Connector termination begins with the connector's task
4	(4)	X'1'	0	QUASTRUSERTERMLEVEL_ADDRSPACE	"1" IXLCONN TERMLEVEL=ADDRSPACE. Connector termination begins with the connector's address space
4	(4)	X'2'	0	QUASTRUSERTERMLEVEL_SYSTEM	"2" IXLCONN TERMLEVEL=SYSTEM. Connector termination begins with the connector's system
4	(4)	X'FF'	0	QUASTRUSERTERMLEVEL_XCFSIG	"255" Connector termination follows a sequence specific to XCF signaling connectors
Comment					
Constants defining reason codes reason code for return code = '04'X (warning)					
End of Comment					
		.... .1..		QUAARSNRECORDSREMAIN	"X'00000004" Reason code for IXCQUERY completed successfully and provided some data, however, ANSAREA is too small to contain all the requested data.
Comment					
reason code for return code = '08'X (invalid parameters)					
End of Comment					
		.... .1..		QUAARSNGROUPNOTFOUND	"X'00000004" Reason code for the group name specified is not defined to XCF.
		.... 1...		QUAARSNREQINFONOTVALID	"X'00000008" Reason code for the REQINFO information is not valid.
		.... 11..		QUAARSNREQTYPEINCOR	"X'0000000C" Reason code for the caller specified the REQTYPE control parameter incorrectly.
		...1		QUAARSNMEMBERNOTFOUND	"X'00000010" Reason code for the member name specified is not defined within the specified group.
		...1 .1..		QUAARSNANSAREATOOSMALL	"X'00000014" Reason code for the length the caller specified on ANSLEN is too small to contain even the header.
		...1 1...		QUAARSNANSAREANOACCESS	"X'00000018" Reason code for XCF cannot access ANSAREA.
		...1 11..		QUAARSNANSARETNOTVALID	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		QUAARSNCFNOTFOUND	"X'0000001C" Reason code for the ALET that qualifies the address of the ANSAREA is neither zero nor is it associated with a valid public entry on the DU-AL.
		..1. .1..		QUAARSNSTRNOTFOUND	"X'00000020" Reason code for the coupling facility name specified is not defined in CFRM active policy.
		..1. 1...		QUAARSNARMNAMENOTFOUND	"X'00000024" Reason code for the structure name specified is not defined in CFRM active policy.
		..11 .1..		QUAARSNAMODE24	"X'00000028" Reason code for there are no elements with the specified element name, restart group name, or job name. Only returned if IXCQUERY request (REQINFO) is for ARMSTATUS.
		.1..		QUAARSNBADPLISTRSD	"X'00000034" Reason code for the macro was issued in 24-bit addressing mode.
		1.1.		QUAARSNINVR0	"X'00000040" Reason code for a reserved field in the control parameter list is not zero. Your program might have inadvertently written over an area in the control parameter list.
		1.1. .1..		QUAARSNR0TYPECONFL	"X'000000A0" Reason code for register zero value is not valid. Only returned if REQINFO is for ARMSTATUS or ARMS_ALLDATA.
4	(4)	BITSTRING	0	QUAARSNPLISTALETNOTVALID	"X'000000A4" Reason code for register zero value is not correct for the requested function. Only returned if REQINFO is for ARMSTATUS or ARMS_ALLDATA.
4	(4)	BITSTRING	0	QUAARSNVERSIONNOTVALID	"X'00000100" Reason code for the ALET that qualifies the address of the control parameter list is neither zero nor is it associated with a valid public entry on the DU-AL.
4	(4)	BITSTRING	0	QUAARSNFUNCCODENOTVALID	"X'00000104" Reason code for the version number in the control parameter list is not valid. Your program might have inadvertently written over an area in the control parameter list.
4	(4)	BITSTRING	0	QUAARSNPLISTNOACCESS	"X'00000108" Reason code for the function code in the control parameter list is not valid. Your program might have inadvertently written over an area in the control parameter list.
4	(4)	BITSTRING	0	QUAARSNNOTTASKMODE	"X'0000010C" Reason code for XCF could not access the control parameter list.
4	(4)	BITSTRING	0	QUAARSNNOTENABLED	"X'00000118" Reason code for the caller is not in task mode.
4	(4)	BITSTRING	0	QUAARSNHASLOCK	"X'0000011C" Reason code for the caller is not enabled.
4	(4)	BITSTRING	0	QUAARSNHASEUTFRR	"X'00000120" Reason code for the caller is holding a lock.
4	(4)	BITSTRING	0	QUAARSNQUAALEVELNOTVALID	"X'00000124" Reason code for the caller is running under an EUT FRR.
4	(4)	BITSTRING	0	QUAARSNQUAALEVEL	"X'00000128" Reason code for the caller has specified an invalid value for QUAALEVEL

Comment

reason code for return code = '0C'X (environmental error)

End of Comment

		.... .1..		QUAARSNDSPSERVFAIL	"X'00000004" Reason code for XCF could not create a data space for IXCQUERY request (REQINFO) CF, CF_ALLDATA, STR, or STR_ALLDATA.
		.... 1...		QUAARSNALESERVFAIL	"X'00000008" Reason code for XCF could not associate the data space created for IXCQUERY request (REQINFO) CF, CF_ALLDATA, STR, or STR_ALLDATA with the XCF address space.
		...1 1...		QUAARSNTASKABENDED	"X'00000018" Reason code for while the issuing task was suspended for XCF processing, the task was abended (ie. another unit of work attempted to abnormally terminate this task). No data was returned in the ANSAREA. This only applies to IXCQUERY requests REQINFO(GROUP) REQTYPE(DEFER).
4	(4)	BITSTRING	0	QUAARSNNOCFRMDSN	"X'00000144" Reason code for the CFRM active policy could not be read because the couple data set supporting TYPE CFRM is not accessible to this system. Only returned if IXCQUERY request (REQINFO) is for CF, CF_ALLDATA, STR, or STR_ALLDATA.
4	(4)	BITSTRING	0	QUAARSNNOCFRMPOL	

IXCYQUAA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	BITSTRING	0	QUAARSNFAILCFRMREAD	"X'00000154" Reason code for a CFRM policy has not been activated. Only returned if IXCQUERY request (REQINFO) is for CF, CF_ALLDATA, STR, or STR_ALLDATA.
4	(4)	BITSTRING	0	QUAARSNNOARMDSN	"X'0000015C" Reason code for the CFRM active policy could not be read because the couple data set supporting TYPE CFRM is in error. Only returned if IXCQUERY request (REQINFO) is for CF, CF_ALLDATA, STR, or STR_ALLDATA.
4	(4)	BITSTRING	0	QUAARSNFAILARMREAD	"X'00000160" Reason code for the ARM data could not be read because the couple data set supporting TYPE ARM is not accessible to this system. Only returned if IXCQUERY request (REQINFO) is for ARMSTATUS or ARMS_ALLDATA
4	(4)	BITSTRING	0	QUAARSNFAILARMREAD	"X'00000164" Reason code for the ARM data could not be read because the couple data set supporting TYPE ARM is in error. Only returned if IXCQUERY request (REQINFO) is for ARMSTATUS or ARMS_ALLDATA

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QUAALEVEL_GROUP	4	2	QUAARMSINITSYS	24	
QUAALEVEL_SYSPLEX	4	2	QUAARMSJESGROUP	14	
QUAARMS	0		QUAARMSJOBNAME	50	
QUAARMS_LEN	F4	100	QUAARMSLEN	2	
QUAARMSASID	78		QUAARMSLENG	4	100
QUAARMSASSOCELEMENT	B4		QUAARMSLEVEL	7A	
QUAARMSASSOCSYSNAME	C4		QUAARMSLSTRSTR	98	
QUAARMSAVAILABLE	84	40	QUAARMSMAXELEMENTS	2C	
QUAARMSBACKED	86	10	QUAARMSMAXRESTARTS	A6	
QUAARMSBACKING	86	20	QUAARMSNORESTART	87	80
QUAARMSBATCHJOB	86	80	QUAARMSNOSYSRESTART	87	40
QUAARMSCLEANUPTIMEOUT	F0		QUAARMSNUMRESTARTS	A4	
QUAARMSCURRSYS	1C		QUARMSOVERRIDEJCL	86	8
QUAARMSELEMBINDCURSYS	87	10	QUAARMSOVERRIDESTART	86	4
QUAARMSELEMENT	4		QUAARMSRCVING	84	8
QUAARMSELEMTYPE	7C		QUAARMSREADYTIMEOUT	D0	
QUAARMSENABLED	85	80	QUAARMSREGTIME	88	
QUAARMSEVENTEXITNAME	AC		QUAARMSRESTARTCOUNTS	A0	
QUAARMSFAILED	84	20	QUAARMSRESTARTGROUP	58	
QUAARMSFDSWARNING	85	40	QUAARMSRESTARTINT	A8	
QUAARMSFLAGS	84		QUAARMSRESTARTPACING	D4	
QUAARMSFLAGS3	86		QUAARMSRESTARTTIMEOUT	CC	
QUAARMSFLAGS4	87		QUAARMSRMTOKEN	E0	
QUAARMSFREECSA	D8		QUAARMSRSTCOMMITTED	87	2
QUAARMSFREEECSA	DC		QUAARMSRSTING	84	10
QUAARMSFSTRSTR	90		QUAARMSRSTINGINERE	87	8
QUAARMSGENFLAGS	85		QUAARMSRSTINGINEVE		
QUAARMSINITCLONE					

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Name	Hex Offset	Hex Value
QUAARMSRSTINGINFO	87	4
QUAARMSRSVD	87	F
QUAARMSSTARTEDTSK	F4	
QUAARMSSTARTING	86	40
QUAARMSSTATEFLAGS	84	80
QUAARMSSTOKEN	84	
QUAARMSTERMTYPEALLTERM	70	
QUAARMSTERMYPEELEMTERM	86	1
QUAARMSTERMYPESYSTEM	87	40
QUAARMSTIMEDOUT	87	20
QUAARMSTOTALRESTARTS	86	2
QUAARMSTOTELEMENTS	A0	
QUAARMSTYP	28	
QUAARSNALSERVFAIL	0	
QUAARSNAMODE24	4	8
QUAARSNANSALETNOTVALID	4	34
QUAARSNANSAREANOACCESS	4	1C
QUAARSNANSAREATOOSMALL	4	18
QUAARSNARMNAMENOTFOUND	4	14
QUAARSNBADPLISTRSD	4	28
QUAARSNCFNOTFOUND	4	40
QUAARSNDSPSERVFAIL	4	20
QUAARSNFAILARMREAD	4	4
QUAARSNFAILCFRMREAD	4	164
QUAARSNFUNCCODENOTVALID	4	15C
QUAARSNGROUPNOTFOUND	4	108
QUAARSNHASEUTFRR	4	4
QUAARSNHASLOCK	4	124
QUAARSNINVRO	4	120
QUAARSNMEMBERNOTFOUND	4	A0
QUAARSNNOARMDSN	4	10
QUAARSNNOCFRMDSN	4	160
QUAARSNNOCFRMPOL	4	144
QUAARSNNOTENABLED	4	154
QUAARSNNOTTASKMODE	4	11C
QUAARSNPLISTALETNOTVALID	4	118
QUAARSNPLISTNOACCESS	4	100
QUAARSNQUAALEVELNOTVALID	4	10C
	4	128

Name	Hex Offset	Hex Value
QUAARSNRECORDSREMAIN	4	4
QUAARSNREQINFONOTVALID	4	8
QUAARSNREQTYPEINCOR	4	C
QUAARSNR0TYPECONFL	4	A4
QUAARSNSTRNOTFOUND	4	24
QUAARSNTASKABENDED	4	18
QUAARSNVERSIONNOTVALID	4	104
QUACF	0	
QUACF_LEN	81	A0
QUACFALLOCNOTPERMITTED	80	20
QUACFDUMPSIZE	2C	
QUACFEXTRA#STR	74	
QUACFFLAGS	80	
QUACFID	10	
QUACFLEN	2	
QUACFLENG	4	A0
QUACFMAINTENANCEMODE	80	40
QUACFMONID	A0	
QUACFMONNUM	A0	
QUACFMONSEQ	A1	
QUACFMSGBASEDEVENTMGMT	6E	10
QUACFNAME	4	
QUACFND	C	
QUACFPOLCHGPEND	6E	80
QUACFPOLNAME	50	
QUACFPOLSTATUS	6E	
QUACFREALLOCINPROGRESS	6E	40
QUACFREALLOCSTOPPING	6E	20
QUACFREQ#CONN	6C	
QUACFREQ#STR	68	
QUACFRSVD	38	
QUACFRSVD2	81	
QUACFSC	0	
QUACFSC_LEN	D	10
QUACFSC#	40	
QUACFSCID	C	
QUACFSCLEN	2	
QUACFSCLENG	4	10
QUACFSCNAME	4	
QUACFSCNUM	C	
QUACFSCO	44	
QUACFSCSEQ	D	
QUACFSCTYP	0	
QUACFSC1	0	
QUACFSC1_LEN	10	50
QUACFSETTIME	60	
QUACFSITEFORRECOVERY	80	80
QUACFSITENAME	78	
QUACFSTATE	30	
QUACFSTATE1	30	
QUACFSTATE2	31	
QUACFSTATE3	32	
QUACFSTATE4	33	
QUACFSTCFLCRMGMT	32	1

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QUACFSTDPEND	30	80	QUAH#REC	0	
QUACFSTFAILED			QUAH#REM	4	
	31	40	QUAHDR	0	
QUACFSTPOPULATECFRTARGET			QUAHDR_LEN	C	10
	32	80	QUAHLENG	4	10
QUACFSTR	0		QUAHSGOF	C	
QUACFSTR_LEN	16	18	QUAHTLEN	8	
QUACFSTR#	48		QUAM_SS_TERMINATING		
QUACFSTRACT	14	80		1E	10
QUACFSTRDUMPTBL			QUAMCONFIRMEDIMPAIRED		
	14	4		1E	8
QUACFSTRDUPALTERCONTRACT			QUAMDEACTIVATING		
	15	2		1E	20
QUACFSTRDUPALTERDEFER			QUAMDEEMEDIMPAIRED		
	15	20		1E	4
QUACFSTRDUPALTERINPROGRESS			QUAMEM	0	
	15	10	QUAMEM_LEN	5B	5C
QUACFSTRDUPALTERSCMINUSE			QUAMEM1	0	
	15	4	QUAMEM1_LEN	7D	80
QUACFSTRECONCILE			QUAMEM2	0	
	31	80	QUAMEM2_LEN	90	C0
QUACFSTREXTRA			QUAMINTV	44	
	34		QUAMJOB	2C	
QUACFSTRFLG	14		QUAMLEN	2	
QUACFSTRFLG2	15		QUAMLENG	4	5C
QUACFSTRHOLD	14	8	QUAMMREM	1D	2
QUACFSTRLEN	2		QUAMNAME	4	
QUACFSTRLENG	4	18	QUAMPROCANRECEIVE		
QUACFSTRLOGICALVERSION				54	80
	20		QUAMPROCANREPLY		
QUACFSTRMONALTERINPROGRESS				54	40
	14	1	QUAMPRODUPLICATES		
QUACFSTRNAME	4			54	2
QUACFSTRNOSYSICON			QUAMPROGT61KDELIVERY		
	15	40		54	8
QUACFSTRO	4C		QUAMPROGT61KMSG		
QUACFSTRPHYSICALVERSION				54	4
	18		QUAMPROORDEREDEDELIVERY		
QUACFSTRPOPULATECFREBUILDPENDING				54	10
	15	8	QUAMPRORESPONSECOLLECTION		
QUACFSTRRDATALISTSPERCONN				54	20
	28		QUAMPROTOCOLS		
QUACFSTRREBLDNEW				54	
	14	20	QUAMSACT	4	3
QUACFSTRREBLDOLD			QUAMSCRE	4	2
	14	40	QUAMSFLD	4	5
QUACFSTRSTRDUMPID			QUAMSID	28	
	16		QUAMSMSD	1D	8
QUACFSTRSTRFAIL			QUAMSMSM	1D	10
	15	80	QUAMSNUM	28	
QUACFSTRSTRAN	14	10	QUAMSQUI	4	4
QUACFSTRTYP	0		QUAMSSEQ	29	
QUACFSTR1	0		QUAMSSSM	1D	80
QUACFSTR1_LEN			QUAMSTALLED	1E	80
	29	98	QUAMSTAT	1C	
QUACFTEXT	50		QUAMSTA1	1C	
QUACFTYP	0		QUAMSTA2	1D	
QUACFUPDIME	58		QUAMSTA3	1E	
QUACF1	0		QUAMSTKN	4C	
QUACF1_LEN	A4	E0	QUAMSTRM	1D	40
QUAG#MEM	C		QUAMSYMPATHYSICKNESS		
QUAGCONFIRMEDSUM				1E	40
	10	20	QUAMSYS	20	
QUAGFLAG1	10		QUAMTERMLEVEL		
QUAGIMPAIRED	10	10		5B	
QUAGLEN	2		QUAMTERMLEVEL_ADDRSPACE		
QUAGLENG	4	14		4	3
QUAGNAME	4		QUAMTERMLEVEL_JOBSTEP		
QUAGRP	0			4	2
QUAGRP_LEN	11	14	QUAMTERMLEVEL_SYSTEM		
QUAGSTALLED	10	80		4	5
QUAGSYMPATHYSICKNESS			QUAMTERMLEVEL_TASK		
	10	40		4	1
QUAGTYPE	0		QUAMTOD	34	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QUAMTOKN	14			119	2
QUAMTYPE	0		QUASTRALTERCHGEMC	119	20
QUAMUDAT	48		QUASTRALTERCHGRATIO	119	40
QUAMUSLN	3C		QUASTRALTERCHGFSIZE	119	80
QUAMUSOF	40		QUASTRALTERFLG1	118	
QUAM1_ATTRIBUTES	7C		QUASTRALTERFLG2	119	
QUAM1_CRITICALMEMBER	7C	2	QUASTRALTERMINELEMENT	11B	
QUAM1_FUNCTION	64		QUASTRALTERMINEMC	126	
QUAM1_GRPNAME	5C		QUASTRALTERMINENTRY	11A	
QUAM1_LASTING	7C	10	QUASTRALTERNEW	119	10
QUAM1_LOCALCLEANUPCONTINUE	7C	1	QUASTRALTERNOTPERMITTED	19	1
QUAM1_MEMASSOCADDRSPACE	7C	20	QUASTRALTEROLD	119	8
QUAM1_MEMASSOCJOBSTEP	7C	40	QUASTRALTEROPSTART	118	40
QUAM1_MEMASSOCTASK	7C	80	QUASTRALTEROPSTOP	118	20
QUAM1_RECOVERYMGR	7C	4	QUASTRALTERPGMSTART	118	10
QUAM1_SYSCLEANUP	7C	8	QUASTRALTERPGMSTOP	118	8
QUAM2_DEACTIVATEDTIME	88		QUASTRALTERRATIO	119	1
QUAM2_DEFINEDTIME	80		QUASTRALTERREBLDSTOP	118	4
QUASACTV	1C	40	QUASTRALTERSTOP	118	80
QUASCLID	25		QUASTRALTERSYSSTART	118	2
QUASCLNU	27	80	QUASTRALTERSYSSTOP	118	1
QUASCLST	27		QUASTRALTERTELEMENTRATIO	122	
QUASCLUP	1C	4	QUASTRALTERTEMCSTGPCT	124	
QUASCPUID	2A		QUASTRALTERTENTRYRATIO	120	
QUASERV_CFRM	4	4	QUASTRALTERTSIZE	11C	
QUASETRTIMINGMODE	28	4	QUASTRAUTOVERSION	15C	
QUASFLAGS	28		QUASTRCF	0	
QUASINTV	C		QUASTRCF_LEN	42	48
QUASLEN	2		QUASTRCF#	38	
QUASLENG	4	28	QUASTRCFACCESSTIMEMAXIMUM	E	
QUASLOCALTIMINGMODE	28		QUASTRCFACCESSTIMENOLIMIT	D	40
QUASLOCL	1C	8	QUASTRCFACT	C	80
QUASLPAR	28	1	QUASTRCFALTERSYSID	7C	
QUASLPARNUM	29		QUASTRCFALTERSYSNAME	80	
QUASMODELNUM	2C		QUASTRCFALTERSYSNUM	7C	
QUASNAME	4		QUASTRCFALTERSYSSEQ	7D	
QUASNUM	20		QUASTRCFDUMPTBL	C	4
QUASOPIN	10		QUASTRCFDUPALTERCONTRACT	D	1
QUASOSLVL	40		QUASTRCFDUPALTERDEFER	D	10
QUASPARTITIONMONITOR	30		QUASTRCFDUPALTERINPROGRESS		
QUASSEQ	21				
QUASSERIALNUM	2A				
QUASSID	20				
QUASSTAT	1C				
QUASSTPTIMINGMODE	28	2			
QUASSUM	1C	20			
QUASSUTO	14				
QUASSYPT	1C	10			
QUASTR	0				
QUASTR_LEN	136	138			
QUASTRALLOWAUTOALT	22	10			
QUASTRALLOWREALLOCATE	22	8			
QUASTRALTER	118				
QUASTRALTERCFSTART					

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QUASTRCFDUPALTERSCMINUSE	D	8	QUASTRDIAGINFOW10	1F8	
	D	2		1FC	
QUASTRCFFLG	C		QUASTRDIAGINFOW11	200	
QUASTRCFFLG2	D		QUASTRDIAGINFOW12	204	
QUASTRCFHOLD	C	8	QUASTRDIAGINFOW13	208	
QUASTRCFID	14		QUASTRDIAGINFOW14	20C	
QUASTRCFLEN	2		QUASTRDIAGINFOW15	210	
QUASTRCFLENG	4	48	QUASTRDIAGINFOW16	214	
QUASTRCFLOGICALVERSION	48		QUASTRDUPLEXALLOWED	22	80
			QUASTRDUPLEXENABLED	22	40
QUASTRCFMAXCONN	3C		QUASTREXTRA#STR	6C	
QUASTRCFMONALTERINPROGRESS	C	1	QUASTRFLG	22	
			QUASTRFULLTHRESHOLD	113	
QUASTRCFNAME	4		QUASTRGRPNAME	14C	
QUASTRCFND	10		QUASTRINHDW	1C	
QUASTRCFNOSYSCONN	D	20	QUASTRINHDWON	1C	80
			QUASTRINITSIZE	24	
QUASTRCFO	3C		QUASTRLEN	2	
QUASTRCFPHYSICALVERSION	34		QUASTRLENG	4	138
QUASTRCFRDATALISTSPERCONN	50		QUASTRMINSIZE	114	
			QUASTRMSGBASEDEVENTMGMT	66	10
QUASTRCFREBLDNEW	C	20	QUASTRMSGBASEDEVENTPROC	19	80
QUASTRCFREBLDOLD	C	40	QUASTRMSGBASEDLEVEL	1C8	
QUASTRCFSMALLESTNUMUSERS	40		QUASTRMSGBASEDMGRSYSNAME	1D0	
QUASTRCFSTRDUMPID	3E		QUASTRMSGBASEDMGRSYSNUM	1CC	
QUASTRCFSTRFAIL	D	80	QUASTRMSGBASEDMGRSYSSEQ	1CD	
			QUASTRMSGBASEDMGRSYSSID	1CC	
QUASTRCFTRAN	C	10	QUASTRNAME	4	
QUASTRCFTYP	0		QUASTRPENDSIZE	10C	
QUASTRCFVERSION	34		QUASTRPL	0	
			QUASTRPL_LEN	8	10
QUASTRCFVOLATILE	D	4	QUASTRPL#	28	
			QUASTRPLCFALLOCCNOTPERMITTED	5	1
QUASTRCF1	0		QUASTRPLCFID	14	
QUASTRCF1_LEN	80	88	QUASTRPLCFINFO	5	
QUASTRCONNEXTRA	1E		QUASTRPLCFINFOVALID	4	80
QUASTRCONNEXTRA#	20		QUASTRPLCFND	10	
QUASTRDIAGINFO	1D8		QUASTRPLCFNDVALID	4	40
QUASTRDIAGINFOW01	1D8		QUASTRPLCFNOSYSCONN	5	2
QUASTRDIAGINFOW01B1	1D8		QUASTRPLCFNOTDEFINED	5	80
QUASTRDIAGINFOW01B2	1D9		QUASTRPLLEN	2	
QUASTRDIAGINFOW01B3	1DA		QUASTRPLLENG	4	10
QUASTRDIAGINFOW01B4	1DB		QUASTRPLNAME	8	
QUASTRDIAGINFOW02	1DC		QUASTRPLO	2C	
QUASTRDIAGINFOW03	1E0		QUASTRPLRSD	6	
QUASTRDIAGINFOW04	1E4				
QUASTRDIAGINFOW05	1E8				
QUASTRDIAGINFOW06	1EC				
QUASTRDIAGINFOW07	1F0				
QUASTRDIAGINFOW08	1F4				
QUASTRDIAGINFOW09					

Name	Hex Offset	Hex Value
QUASTRPLTYP	0	
QUASTRPLVALIDBITS		
	4	
QUASTRPL1	0	
QUASTRPL1_LEN		
	2E	30
QUASTRPOLCHGPEND		
	66	80
QUASTRPOLNAME		
	48	
QUASTRPOLSTATUS		
	66	
QUASTRPOPCFNAME		
	154	
QUASTRPPENFORCEORDER		
	164	40
QUASTRPPFLAGS		
	164	
QUASTRPPINFO		
	164	
QUASTRPPINITSIZE		
	16C	
QUASTRPPMINSIZE		
	170	
QUASTRPPPL#		
	174	
QUASTRPPPLO		
	178	
QUASTRPPSCMALG		
	184	
QUASTRPPSCMMAXSIZE		
	188	
QUASTRPPSIZE		
	168	
QUASTRPPVALID		
	164	80
QUASTRPPXL#		
	17C	
QUASTRPPXLO		
	180	
QUASTRPPREFENFORCE		
	22	20
QUASTRPPROCESSMETHOD		
	110	1
QUASTRREALLOCINPROGRESS		
	66	40
QUASTRREALLOCSTOPPING		
	66	20
QUASTRREBLDALLOCATE		
	70	2
QUASTRREBLDATTACH		
	70	1
QUASTRREBLDCLEANUP		
	70	20
QUASTRREBLDCOMPLETE		
	70	40
QUASTRREBLDCOPY		
	71	80
QUASTRREBLDCOPYSTOP		
	71	40
QUASTRREBLDDUPLEX		
	110	80
QUASTRREBLDDUPLEXESTABLISHED		
	70	8
QUASTRREBLDFLAGS		
	110	
QUASTRREBLDINFO		
	70	
QUASTRREBLDPCTLOSSCONN		
	148	
QUASTRREBLDPHASE		
	70	
QUASTRREBLDPHASECONFIRMSTNG		
	84	
QUASTRREBLDPHASE1		
	70	
QUASTRREBLDPHASE2		
	71	
QUASTRREBLDPHASE3		
	72	

Name	Hex Offset	Hex Value
QUASTRREBLDPHASE4		
	73	
QUASTRREBLDQUIESCE		
	70	80
QUASTRREBLDQUIESCESTOP		
	71	20
QUASTRREBLDSTARTCONN		
	74	40
QUASTRREBLDSTARTLOSTCCF		
	74	20
QUASTRREBLDSTARTOPER		
	74	80
QUASTRREBLDSTARTPOLICY		
	74	8
QUASTRREBLDSTARTRSN		
	74	
QUASTRREBLDSTARTSTRFAIL		
	74	10
QUASTRREBLDSTARTUCODE		
	78	
QUASTRREBLDSTARTUP		
	70	4
QUASTRREBLDSTOP		
	70	10
QUASTRREBLDSTOPALLOWUSERLIMCHG		
	7E	4
QUASTRREBLDSTOPCONN		
	7C	40
QUASTRREBLDSTOPCONNECTORHANG		
	7D	4
QUASTRREBLDSTOPDUMPSE		
	7E	40
QUASTRREBLDSTOPDUPLXOUTOFSYNCH		
	7E	10
QUASTRREBLDSTOPDUPLXREQFAILED		
	7E	20
QUASTRREBLDSTOPINSUFFCONN		
	7C	20
QUASTRREBLDSTOPINSUFFCONNCHGCON		
	7D	10
QUASTRREBLDSTOPLOSSCONN		
	7D	20
QUASTRREBLDSTOPLOSTCCFNEW		
	7C	8
QUASTRREBLDSTOPLOSTCCFOLD		
	7C	4
QUASTRREBLDSTOPNOBETTERCONN		
	7C	10
QUASTRREBLDSTOPNOCONIDAVAIL		
	7E	8
QUASTRREBLDSTOPOPER		
	7C	80
QUASTRREBLDSTOPPOLICY		
	7D	80
QUASTRREBLDSTOPPOPCFNOTSUITABLE		
	7D	8
QUASTRREBLDSTOPRSN		
	7C	
QUASTRREBLDSTOPRSN1		
	7C	
QUASTRREBLDSTOPRSN2		
	7D	
QUASTRREBLDSTOPRSN3		
	7E	
QUASTRREBLDSTOPSTRFAIL		
	7D	40
QUASTRREBLDSTOPSTRFAILNEW		
	7C	2
QUASTRREBLDSTOPSTRFAILOLD		
	7C	1
QUASTRREBLDSTOPSYSMGDPHASEFAIL		
	7E	80
QUASTRREBLDSTOPUCODE		
	80	

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QUASTRREBLDSWITCHINPROGRESS				10	
	110	40	QUASTRSYSFLAGS2		
QUASTRREBUILDPERCENT				11	
	23		QUASTRSYSFLAGS3		
QUASTRRECPRTY				12	
	134		QUASTRSYSFLAGS4		
QUASTRREQ#CONN				13	
	64		QUASTRSYSLEN	2	
QUASTRREQ#STR			QUASTRSYSNAME		
	60			4	
QUASTRRSVD	111		QUASTRSYSNUM	C	
QUASTRSCMALG	19C		QUASTRSYSNUMRECS		
QUASTRSCMALGKEYPRIORITY1				128	
	4	1	QUASTRSYSO	12C	
QUASTRSCMMAXSIZE			QUASTRSYSRECPRTY		
	1A0			136	
QUASTRSETTIME			QUASTRSYSSEQ	D	
	58		QUASTRSYSSID	C	
QUASTRSIZE	14		QUASTRSYSTYP	0	
QUASTRSTALTER			QUASTRTEXT	48	
	1A	8	QUASTRTYP	0	
QUASTRSTATE	18		QUASTRTYPECACHE		
QUASTRSTATE1	18			4	4
QUASTRSTATE2	19		QUASTRTYPELIST		
QUASTRSTATE3	1A			4	3
QUASTRSTATE4	1B		QUASTRTYPELOCK		
QUASTRSTCFLCRMGMT				4	FF
	1A	1	QUASTRTYPESERLIST		
QUASTRSTDPEND				4	FE
	18	80	QUASTRUPDTIME		
QUASTRSTINCLEANUP				50	
	1A	4	QUASTRUSER	0	
QUASTRSTINPOLDEF			QUASTRUSER_LEN		
	1B	80		80	88
QUASTRSTREALLOCEVALPENDING			QUASTRUSER#	40	
	18	8	QUASTRUSERACT		
QUASTRSTREALLOCTARGETSTR				58	80
	18	4	QUASTRUSERALLOWAUTO		
QUASTRSTREBLD				5C	80
	1A	20	QUASTRUSERALLOWDUPREBLD		
QUASTRSTREBLDSTOP				58	1
	1A	10	QUASTRUSERALLOWREBLD		
QUASTRSTRTYPE				58	2
	1D		QUASTRUSERALLOWUSERLIMCHG		
QUASTRSTSDISP				5C	2
	1A	80	QUASTRUSERALTER		
QUASTRSTTOBECHANGED				68	
	18	20	QUASTRUSERALTERALLOWED		
QUASTRSTTOBEDELETED				68	80
	18	40	QUASTRUSERALTERFLG		
QUASTRSUBNOTIFYDELAY				68	
	130		QUASTRUSERALTERMINELEMENT		
QUASTRSUBNOTIFYDELAYBYPOL				6B	
	22	4	QUASTRUSERALTERMINEMC		
QUASTRSYS	0			7C	
QUASTRSYS_LEN			QUASTRUSERALTERMINENTRY		
	14	40		6A	
QUASTRSYSALLOCATING			QUASTRUSERALTERRATIO		
	10	80		68	40
QUASTRSYSATTACHED			QUASTRUSERALTER2		
	10	20		7C	
QUASTRSYSATTACHING			QUASTRUSERASID		
	10	40		2E	
QUASTRSYSCOPYFAILED			QUASTRUSERCDATA		
	10	8		8	
QUASTRSYSCOPYSTOPPED			QUASTRUSERCFLEVEL		
	10	2		38	
QUASTRSYSCOPYSTOPPING			QUASTRUSERCLEVEL		
	10	4		20	
QUASTRSYSCOPYWORKING			QUASTRUSERCNAME		
	10	10		10	
QUASTRSYSFLAGS			QUASTRUSERCONID		
	10			5A	
QUASTRSYSFLAGS1			QUASTRUSERCONTOKEN		

Name	Hex Offset	Hex Value
QUASTRUSERCONVERSION	6C	
	4	
QUASTRUSERCRITICAL	5C	1
QUASTRUSERDDATA	30	
QUASTRUSERDISC	58	10
QUASTRUSERDISCFAILEDCONFSTRING	88	
QUASTRUSERDISP	58	8
QUASTRUSERDUAL	58	4
QUASTRUSERFAIL	58	40
QUASTRUSERFAILISOLSTR	5B	80
QUASTRUSERFAILISOLSTRNEW	5B	40
QUASTRUSERFAILISOLSTROLD	5B	20
QUASTRUSERFLG1	58	
QUASTRUSERFLG2	59	
QUASTRUSERFLG3	5B	
QUASTRUSERFLG4	5C	
QUASTRUSERINFOLEVEL	2D	
QUASTRUSERINFOLEVEL1	4	1
QUASTRUSERJOB	50	
QUASTRUSERLEN	2	
QUASTRUSERLENG	4	88
QUASTRUSERNCSTR	59	80
QUASTRUSERNCSTRNEW	59	40
QUASTRUSERNCSTROLD	59	20
QUASTRUSERNONVOLREQ	5B	10
QUASTRUSERNUMUSERS	66	
QUASTRUSERO	44	
QUASTRUSERRSVD2	80	
QUASTRUSERSID	28	
QUASTRUSERSNUM	28	
QUASTRUSERSSEQ	29	
QUASTRUSERSTKN	48	
QUASTRUSERSUSPEND	5C	20
QUASTRUSERSUSPENDFAIL	5C	10
QUASTRUSERSYS	40	
QUASTRUSERTERM	58	20
QUASTRUSERTERMLEVEL	5F	
QUASTRUSERTERMLEVEL_ADDRSPACE	4	1

Name	Hex Offset	Hex Value
QUASTRUSERTERMLEVEL_SYSTEM	4	2
QUASTRUSERTERMLEVEL_TASK	4	0
QUASTRUSERTERMLEVEL_XCFSIG	4	FF
QUASTRUSERTYP	0	
QUASTRUSER1	0	
QUASTRUSER1_LEN	A8	100
QUASTRUSYNCCOMPLETED	E8	
QUASTRUSYNCCOMPLETEDCOMP CODE	13C	
QUASTRUSYNCCOMPLETEDUSTATE	EC	
QUASTRUSYNCCONFIRMSTNG	A4	
QUASTRUSYNCCINFO	A4	
QUASTRUSYNCCINFO2	138	
QUASTRUSYNCCNEXT	C4	
QUASTRUSYNCCNEXTCOMP CODE	138	
QUASTRUSYNCCNEXTUSTATE	C8	
QUASTRXL	0	
QUASTRXL_LEN	8	18
QUASTRXL#	30	
QUASTRXLLEN	2	
QUASTRXLLENG	4	18
QUASTRXLNAME	8	
QUASTRXLO	34	
QUASTRXLRSVD	4	
QUASTRXL TYP	0	
QUASTRXL1	0	
QUASTRXL1_LEN	18	38
QUASTR1	0	
QUASTR1_LEN	1A8	1B8
QUASTR2	0	
QUASTR2_LEN	214	218
QUASTYPE	0	
QUASVER	24	
QUASYS	0	
QUASYS_LEN	28	28
QUASYS1	0	
QUASYS1_LEN	38	40
QUASYS2	0	
QUASYS2_LEN	50	80
QUATYPARMS	4	30
QUATYPARMS_LAST	4	B0
QUATYPCF	4	10
QUATYPCF_LAST	4	90
QUATYPCFSC	4	11
QUATYPCFSC_LAST	4	91
QUATYPCFSTR	4	12
QUATYPCFSTR_LAST	4	92
QUATYPGRP	4	0
QUATYPGRP_LAST	4	80
QUATYPMEM	4	1
QUATYPMEM_LAST	4	81
QUATYPSTR	4	20
QUATYPSTR_LAST	4	A0

IXCYQUAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QUATYPSTRCF	4	23	QUREQRFPROXYRESPONSE		
QUATYPSTRCF_LAST			0	80	
QUATYPSTRPL	4	A3	QUREQRFQUAALEVEL2	1	20
QUATYPSTRPL_LAST			QUREQRFREBUILDDUPLEX	0	20
QUATYPSTRSYS	4	A1	QUREQRFREBUILDPCLOSSCONN	0	40
QUATYPSTRSYS_LAST			QUREQRFREPOPULATEPROGRESS	2	2
QUATYPSTRU	4	24	QUREQRFRETURNRDATATYPE	0	2
QUATYPSTRU_LAST			QUREQRFUSYNCCOMPCODE	0	40
QUATYPSTRXL	4	A4			
QUATYPSTRXL_LAST					
QUATYPSTRXL_LAST	4	A2			
QUATYPSTRXL_LAST	4	2			
QUATYPSTRXL_LAST	4	82			
QUREQFEATUES	0				
QUREQFEATUES_LEN	4	20			
QUREQFEATUES1	0				
QUREQFEATUES1A	0				
QUREQFEATUES1B	1				
QUREQFEATUES1C	2				
QUREQFEATUES1D	3				
QUREQRFALLOCNOTPERMITTED	2	80			
QUREQRFALLOWREALLOCATE	1	2			
QUREQRFALLSHAREDPCPS	1	20			
QUREQRFDEMEBUFFERSIZE	0	1			
QUREQRFDETAILEDXCFSTATUS	1	80			
QUREQRFDISALLOWFORCEFPCONN	1	40			
QUREQRFDISPLAYSTRTYPE	1	40			
QUREQRFIXCCFCM	1	4			
QUREQRFIXCMGGATHERFROM	1	8			
QUREQRFIXCMMSGOXFILTERGROUP	3	80			
QUREQRFIXCM2DEL	1	20			
QUREQRFIXCNOTESERVICEAVAIL	2	10			
QUREQRFIXLCACHEHALTCHGSUPPXI	2	8			
QUREQRFIXLCAHEWSCASCSSUPPORTED	2	1			
QUREQRFIXLCMPLOCKFLAGS	1	1			
QUREQRFIXLCONNMONITORSTORAGE	1	10			
QUREQRFIXLCONNSUSPENDFAIL	0	4			
QUREQRFIXLCSPSCM	2	4			
QUREQRFIXLMGHWSTATCF	0	10			
QUREQRFIXLRTRDATATYPE	0	8			
QUREQRFMAINTENANCEMODE	2	40			

IXCYSEPL Information

IXCYSEPL Programming Interface information

Programming Interface information

IXCYSEPL

End of Programming Interface information

IXCYSEPL Heading Information • IXCYSEPL Cross Reference

IXCYSEPL Heading Information

Common Name: Status Exit Parameter List
Macro ID: IXCYSEPL
DSECT Name: SEPL
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above the 16 megabyte line.
Size: 24 bytes
 SEPL -- X'0018' bytes
Created by: IXCS3DIE
Pointed to by: R1 on entry to the status exit
Serialization: None required
Function: Maps the parameters passed to the status exit

IXCYSEPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SEPL	Member status exit parameter list
0	(0)	BITSTRING	8	SEPLMDAT	Member data value provided via IXCJOIN
8	(8)	ADDRESS	4	SEPLSTAT	Application status field address
12	(C)	BITSTRING	1	SEPLSTCH	The state change that the monitor is checking for: 0=status updated resume, 8=status update missing.
13	(D)	BITSTRING	3	SEPLFLAGS (0)	"X'80" ON if member is critical
		1...		SEPLCRITICALMEMBER	"X'40" ON if member has not updated its status field within the monitoring interval
		.1..		SEPLSTATUSFIELDUNCHANGED	"X'20" ON if member appears to have a stall condition with respect to signal processing.
		..1.		SEPLSTALLEDSIGNAL	"X'10" ON if member appears to have a stall condition with respect to group event processing
		...1		SEPLSTALLEDGROUP	"X'08" ON if XCF considers the member to be impaired
		.... 1...		SEPLIMPAIRED	"X'04" ON if the member impairment is deemed to be having a severe impact. XCF may terminate the member to alleviate the problem.
		.... .1..		SEPLSEVEREIMPACT	Memtoken of affected member
16	(10)	BITSTRING	8	SEPLMTOK	"24" Preserve defining of this name in the assembler (for compatibility with previous releases).
16	(10)	X'18'	0	SEPLLEN	

Comment

Declaration of constants for use in status exits - (SEPLSTCH)

End of Comment

16	(10)	X'0'	0	SEUPDRES	"0" Checking for status update resume
16	(10)	X'8'	0	SEUPDMIS	"8" Checking for status update missing
16	(10)	X'18'	0	SEPL_LEN	"*-SEPL"

IXCYSEPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SEPL	0		SEPLSTAT	8	
SEPL_LEN	10	18	SEPLSTATUSFIELDUNCHANGED	D	40
SEPLCRITICALMEMBER	D	80	SEPLSTCH	C	
SEPLFLAGS	D		SEUPDMIS	10	8
SEPLIMPAIRED	D	8	SEUPDRES	10	0
SEPLLEN	10	18			
SEPLMDAT	0				
SEPLMTOK	10				
SEPLSEVEREIMPACT	D	4			
SEPLSTALLEDGROUP	D	10			
SEPLSTALLEDSIGNAL	D	20			

IXCYSRVR Information

IXCYSRVR Programming Interface information

Programming Interface information

IXCYSRVR

End of Programming Interface information

IXCYSRVR Heading Information • IXCYSRVR Map

IXCYSRVR Heading Information

Common Name: XCF Client/Server Mappings
Macro ID: IXCYSRVR
DSECT Name: ixcysrvr_tFeatures ixcysrvr_tRequestInfo ixcysrvr_tCriteria ixcysrvr_tResponseInfo ixcysrvr_tName ixcysrvr_tAnsArea
 ixcysrvr_tTargetDescriptor ixcysrvr_tResponseDescriptor ixcysrvr_tMsgDescriptor ixcysrvr_tInitServer ixcysrvr_tRequest
 ixcysrvr_tGetWorkArea ixcysrvr_tSizeArray ixcysrvr_tResponse ixcysrvr_tRespCode ixcysrvr_tSendDescriptor ixcysrvr_tDataDescriptor
 ixcysrvr_tWorkAreaDescriptor ixcysrvr_tDDT ixcysrvr_tSrvrInfoAA ixcysrvr_tSrvrInfoHR ixcysrvr_tSrvrInfoDR ixcysrvr_tSrvrInfoWI
 ixcysrvr_tSrvrInfoIR ixcysrvr_tSrvrInfoDD
Owning Component: Cross System Coupling Facility (SCXCF)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: Key User-supplied
 Residency: User-supplied
Size: IXCYSRVR_TCRITERIA -- X'0014' bytes
 IXCYSRVR_TFEATURES -- X'0008' bytes
 IXCYSRVR_TNAME -- X'0020' bytes
 IXCYSRVR_TANSAREA -- X'0020' bytes
 IXCYSRVR_TSENDDSCRIPTOR -- X'0114' bytes
 IXCYSRVR_TREQUESTINFO -- X'0040' bytes
 IXCYSRVR_TRESPONSEINFO -- X'0014' bytes
 IXCYSRVR_TTARGETDESCRIPTOR -- X'007C' bytes
 IXCYSRVR_TRESPONSEDESCRIPTOR -- X'0130' bytes
 IXCYSRVR_TMSGDESCRIPTOR -- X'0110' bytes
 IXCYSRVR_TSXPL -- X'0100' bytes
 IXCYSRVR_TINITSERVER -- X'0040' bytes
 IXCYSRVR_TGETWORKAREA -- X'0010' bytes
 IXCYSRVR_TSIZEARRAY -- X'0004' bytes
 IXCYSRVR_TREQUEST -- X'0150' bytes
 IXCYSRVR_TRESPCODE -- X'0002' bytes
 IXCYSRVR_TDATADESCRIPTOR -- X'0010' bytes
 IXCYSRVR_TWORKAREADESCRIPTOR -- X'0020' bytes
 IXCYSRVR_TDDT -- X'0010' bytes
 IXCYSRVR_TSRVRINFOAA -- X'0018' bytes
 IXCYSRVR_TSRVRINFOHR -- X'000C' bytes
 IXCYSRVR_TSRVRINFODR -- X'0050' bytes
 IXCYSRVR_TSRVRINFOWI -- X'0030' bytes
 IXCYSRVR_TSRVRINFOIR -- X'0230' bytes
 IXCYSRVR_TSRVRINFODD -- X'0020' bytes
Created by: User
Pointed to by:
Serialization: None required
Function: IXCYSRVR maps the data related to the XCF Client/Server interfaces (IXCSRVR, IXCSEND, IXCRECV, IXCREQ).

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TCRITERIA	Server selection criteria
0	(0)	BITSTRING	1	SC_VERSION	Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	3	SC_RSVD1	reserved, must be zero
4	(4)	SIGNED	4	SC_MINSERVERLEVEL	Min required server level
8	(8)	SIGNED	4	SC_MAXSERVERLEVEL	Max required server level
12	(C)	CHARACTER	8	SC_FEATURES	Features required of the target server. Mapped by ixcysrvr_tFeatures
12	(C)	X'0'	0	IXCYSRVR_KCRITERIA_VERSION0	"0"
12	(C)	X'0'	0	IXCYSRVR_KSC_VERSION0	"0"
12	(C)	X'14'	0	IXCYSRVR_TCRITERIA_LEN	"*-IXCYSRVR_TCRITERIA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TFEATURES	
0	(0)	BITSTRING	1	SF_LEVEL	Feature level
1	(1)	BITSTRING	7	SF_FEATURES	Feature flags
1	(1)	X'FE'	0	IXCYSRVR_KMAXFEATURESLEVEL	"254" maximum valid value for sf_level

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1	(1)	X'8'	0	IXCYSRVR_TFEATURES_LEN	**-IXCYSRVR_TFEATURES"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TNAME	
0	(0)	CHARACTER	8	SN_SECTION1	Application specific name
8	(8)	CHARACTER	8	SN_SECTION2	
16	(10)	CHARACTER	8	SN_SECTION3	
24	(18)	CHARACTER	8	SN_SECTION4	
24	(18)	X'20'	0	IXCYSRVR_TNAME_LEN	**-IXCYSRVR_TNAME"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TANSAREA	
0	(0)	BITSTRING	1	AA_VERSION	Header for AnsArea returned by IXCRECV Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	BITSTRING 1...	1	AA_STATUS (0) AA_COMPLETED	Flags describing status of the message "X'80" Indicates whether message is considered to be complete. Note that this flag is not mutually exclusive with the Send/RespPending flags since completion may have been forced or the request may have timed out.
		.1..		AA_SUCCESSFUL	"X'40" Indicates whether the message completed successfully: message sent to all targets, and if a reply/acknowledgement is expected, all targets responded. Does not imply anything about what the response says. The response could indicate that a failure occurred.
		..1.		AA_SENDDPENDING	"X'20" The message has not been sent to one or more targets
		...1		AA_RESPPENDING	"X'10" Expected response(s)/ acknowledgement(s) not yet received.
		.... 1...		AA_TIMEDOUT	"X'08" ON if the message did not complete within the time-out period (RESPTIME timeout).
		.... .1..		AA_CANCELLED	"X'04" ON if the request was cancelled before normal completion occurred (IXCMMSGC COMPLETION)
2	(2)	CHARACTER	2		Reserved
4	(4)	SIGNED	4	AA_ANSAREASIZE	Number of bytes needed (or set) in AnsArea
8	(8)	SIGNED	4	AA_DATAAREASIZE	Number of bytes needed (or set) in DataArea(s)
12	(C)	SIGNED	4	AA_OFFSETSENDDDESC	Relative to the start of the AnsArea, the offset at which send descriptor for the outgoing message can be found. Mapped by ixcsrivr_tSendDescriptor.
16	(10)	SIGNED	4	AA_#DESC	Number of target descriptor entries or target/response descriptor entries returned in AnsArea.
20	(14)	SIGNED	4	AA_LENDESC	Size in bytes of one target descriptor entry or one target/response descriptor entry. Given the address of any one such descriptor, add this value to the address to locate the next descriptor.
24	(18)	SIGNED	4	AA_OFFSETTARGDESC	Relative to the start of the AnsArea, the offset at which the first target descriptor can be found. Valid for use if nonzero.
28	(1C)	SIGNED	4	AA_OFFSETRESPDESC	Relative to the start of the AnsArea, the offset at which the first response descriptor can be found. Valid for use if nonzero.
28	(1C)	X'0'	0	IXCYSRVR_KAA_VERSION0	"0"
28	(1C)	X'20'	0	IXCYSRVR_TANSAREA_LEN	**-IXCYSRVR_TANSAREA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSENDDSCRIPTOR	Metadata describing a message send
0	(0)	BITSTRING	1	SD_VERSION	Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	3		Reserved

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	BITSTRING	4	SD_ATTRIBUTES (0)	Message attributes
4	(4)	BITSTRING 1...	1	SD_FLAGS0 (0) SD_EXPECTREPLY	Flags describing message characteristics
5	(5)	BITSTRING 1...	1	SD_FLAGS1 (0) SD_COMPLETED	"X'80" ON if the originator expects the target(s) to send a response message. Flags describing status of the message "X'80" Indicates whether message is considered to be complete. Note that this flag is not mutually exclusive with the Send/RespPending flags since completion may have been forced or the request may have timed out.
		.1..		SD_SUCCESSFUL	"X'40" Indicates whether the message completed successfully: message sent to all targets, and if a reply/acknowledgement is expected, all targets responded. Does not imply anything about what the response says. The response could indicate that a failure occurred.
		..1.		SD_SENDDPENDING	"X'20" The message has not been sent to one or more targets
		...1		SD_RESPPENDING	"X'10" Expected response(s)/ acknowledgement(s) not yet received.
		.... 1..		SD_TIMEDOUT	"X'08" ON if the message did not complete within the time-out period (RESPTIME timeout).
		.... .1..		SD_CANCELLED	"X'04" ON if the request was cancelled before normal completion occurred (IXCMSCG COMPLETION)
6	(6)	BITSTRING	1	SD_MSGTYPE	Code to indicate type of message: Server Request Response message See constants ixcysrvr_kMsgType...
7	(7)	BITSTRING	1	SD_FLAGS3	Flags byte 3 reserved
8	(8)	SIGNED	4	SD_SENDDTIME	SENDDTIME timeout value
12	(C)	SIGNED	4	SD_RESPTIME	RESPTIME timeout value, valid for use if sd_ExpectReply is ON.
16	(10)	SIGNED	4	SD_HOLDTIME	HOLDTIME timeout value
20	(14)	CHARACTER	4		reserved
24	(18)	CHARACTER	16	SD_ETODWHENREQUESTED	Extended TOD when XCF accepted the original send request for the message.
40	(28)	CHARACTER	16	SD_ETODWHENCOMPLETED	Extended TOD when XCF deemed the message to have completed. Valid for use if sd_Completed is ON. Zero if unknown
56	(38)	SIGNED	4	SD_#TARGETS	Number of targets for message
60	(3C)	SIGNED	4	SD_#REPLIESPENDING	Number of targets from which replies are still expected. Zero implies that all results have been determined.
64	(40)	SIGNED	4	SD_#REPLIESAVAILABLE	Number of replies that contain response data currently available for gathering.
68	(44)	CHARACTER	16	SD_MSGID	MSGID provided by sender when request was sent via IXCSSEND.
84	(54)	CHARACTER	64	SD_MSGCNTL	Message control data (MSGCNTL) provided when request was sent via IXCSSEND
148	(94)	CHARACTER	32	SD_SENDER	Name of sender (SENDER) provided when request was sent via IXCSSEND. Mapped by ixcysrvr_tName
180	(B4)	CHARACTER	16	SD_SENDERID	Sender ID (SENDERID) provided when request was sent via IXCSSEND, zero if none
196	(C4)	CHARACTER	16	SD_USERDATA	Copy of user data (USERDATA) provided when request was sent via IXCSSEND
212	(D4)	CHARACTER	64	SD_MSGINFO (0)	Additional information about the message. Content depends on type of message, as indicated by sd_MsgType.
212	(D4)	CHARACTER	64	SD_REQUESTINFO	Server Request. Mapped by ixcysrvr_tRequestInfo
212	(D4)	CHARACTER	20	SD_RESPONSEINFO	Response message. Mapped by ixcysrvr_tResponseInfo
276	(114)	X'0'	0	IXCYSRVR_KSD_VERSION0	"0"
276	(114)	X'114'	0	IXCYSRVR_TSENDDSCRIPTOR_LEN	**_IXCYSRVR_TSENDDSCRIPTOR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TREQUESTINFO	
0	(0)	BITSTRING	1	RQI_VERSION	Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	3		Reserved
4	(4)	CHARACTER	8	RQI_FUNCTION	Copy of IXCSSEND FUNCTION
12	(C)	CHARACTER	32	RQI_DESCRIPTION	Copy of IXCSSEND DESCRIPTION
44	(2C)	SIGNED	4	RQI_CLIENTLEVEL	Copy of IXCSSEND CLIENTLEVEL
48	(30)	SIGNED	4	RQI_MINSERVERLEVEL	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	SIGNED	4	RQI_MAXSERVERLEVEL	Minimum server level requested by client. From IXCSEND CRITERIA, copy of sc_MinServerLevel.
56	(38)	CHARACTER	8	RQI_FEATURES	Maximum server level requested by client. From IXCSEND CRITERIA, copy of sc_MaxServerLevel.
56	(38)	X'0'	0	IXCYSRVR_KRQI_VERSION0	Features requested by client. From IXCSEND CRITERIA, copy of sc_Features. Mapped by ixcysrvr_tFeatures
56	(38)	X'40'	0	IXCYSRVR_TREQUESTINFO_LEN	"0" **_IXCYSRVR_TREQUESTINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TRESPONSEINFO	
0	(0)	BITSTRING	1	RPI_VERSION	Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	3		reserved, must be zero
4	(4)	SIGNED	4	RPI_RESPRETCODE	Response return code
8	(8)	SIGNED	4	RPI_RESPRSNCODE	Response reason code
12	(C)	SIGNED	4	RPI_SUPPLIEDLEVEL	response level supplied
16	(10)	SIGNED	4	RPI_SUPPORTSLEVEL	max response level supported
16	(10)	X'0'	0	IXCYSRVR_KRPI_VERSION0	"0"
16	(10)	X'14'	0	IXCYSRVR_TRESPONSEINFO_LEN	**_IXCYSRVR_TRESPONSEINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TTARGETDESCRIPTOR	Metadata describing the target for a message
0	(0)	BITSTRING	1	TD_VERSION	Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	3		Reserved
4	(4)	CHARACTER	4	TD_STATUS (0)	State of this message with respect to sender
		1...		TD_SENDDPENDING	"X'80" ON if the send of the message is pending (eligible to be sent, and either the send has not been initiated or if initiated, has not finished being sent).
		.1..		TD_SENDCOMPLETE	"X'40" ON if the send of the message was initiated and finished.
		..1.		TD_RESPEXPECTED	"X'20" ON if XCF expects (or expected) a response/acknowledgment from the target. OFF if XCF does not expect any such response (as might be the case if the message was never sent to the target or the target system failed).
		...1		TD_EXPECTREPLY	"X'10" ON if EXPECTREPLY=YES was specified on the IXCSEND invocation used to send the message to this target. OFF if EXPECTREPLY=NO applies.
8	(8)	SIGNED	4	TD_TARGINDEX	Index of this target
12	(C)	SIGNED	4	TD_SENDRETCODE	Return code for the IXCSEND to this target
16	(10)	SIGNED	4	TD_SENDRSNCODE	Reason code for the IXCSEND to this target
20	(14)	CHARACTER	2	TD_RESPCODE	Response code. Mapped by ixcysrvr_tRespCode. If td_ExpectReply is ON, has same value as rd_RespCode.
22	(16)	CHARACTER	1		Reserved
23	(17)	BITSTRING	1	TD_SENDCODE	identifies the type of data described in td_TargetInfo: (1) Server Name (2) Server ID (3) Response Token
24	(18)	CHARACTER	64	TD_TARGETINFO (0)	identifies target, content depends on td_SendToCode
24	(18)	CHARACTER	32	TD_SERVERNAME	Name of server to which message was sent. Valid when td_SendToCode equals ixcysrvr_kSendTo_ServerName. Mapped by ixcysrvr_tName.

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	CHARACTER	16	TD_SERVERID	Server ID that uniquely identifies the target server instance to which the message was sent. Valid when td_SendToCode equals ixcysrvr_kSendTo_ServerID
24	(18)	CHARACTER	64	TD_RESPTOKEN	Response Token identifying the originator to which this (response) message was sent. Valid when td_SendToCode equals ixcysrvr_kSendTo_RespToken
88	(58)	CHARACTER	8	TD_SYSNAME	Name of system to which message was sent
96	(60)	SIGNED	4	TD_SYSID (0)	XCF System ID of system to which message was sent
96	(60)	BITSTRING	1	TD_SYSNUM	XCF slot number of system
100	(64)	CHARACTER	16		Reserved
116	(74)	SIGNED	4	TD_SENDRCDIAG1	XCF diagnostic information. Valid when RespCode_RC1 is set to ixcysrvr_RC1_NotSent
120	(78)	SIGNED	4	TD_SENDRSNDIAG1	XCF diagnostic information. Valid when RespCode_RC1 is set to ixcysrvr_RC1_NotSent
120	(78)	X'0'	0	IXCYSRVR_KTD_VERSION0	"0"
120	(78)	X'1'	0	IXCYSRVR_KSENDTO_SERVERNAME	"1" Target server name is described in td_TargetInfo
120	(78)	X'2'	0	IXCYSRVR_KSENDTO_SERVERID	"2" Target server ID is described in td_TargetInfo
120	(78)	X'3'	0	IXCYSRVR_KSENDTO_RESPTOKEN	"3" Target response token is described in td_TargetInfo
120	(78)	X'7C'	0	IXCYSRVR_TTARGETDESCRIPTOR_LEN	"*-IXCYSRVR_TTARGETDESCRIPTOR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TRESPONSEDESCRIPTOR	Metadata describing this response
0	(0)	BITSTRING	1	RD_VERSION	Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	3		Reserved
4	(4)	CHARACTER	4	RD_STATUS (0)	State of this response with respect to receiver
		1...		RD_RESPEXPECTED	"X'80" ON if XCF expects (or expected) a response/acknowledgment from the target. OFF if XCF does not expect any such response (as might be the case if the message was never sent to the target or the target system failed).
		.1..		RD_RESPARRIVED	"X'40" ON if the reply from the server or its agent arrived, in which case other fields in the response descriptor are valid for use.
8	(8)	CHARACTER	2	RD_RESPCODE	Response code. Mapped by ixcysrvr_tRespCode
10	(A)	CHARACTER	2		Reserved
12	(C)	SIGNED	4	RD_RESPINDEX	Index associated with this particular response.
16	(10)	CHARACTER	272	RD_MSGDESC	Metadata describing the response message provided by the sender of the response. Valid for use if rd_RespArrived is ON. Mapped by ixcysrvr_tMsgDescriptor

Comment

The following fields are valid for use if rd_RespArrived is ON

End of Comment

288	(120)	SIGNED	4	RD_RESPRETCODE	Return code provided by the responder.
292	(124)	SIGNED	4	RD_RESPRSNCODE	Reason code provided by the responder.
296	(128)	SIGNED	4	RD_SUPPLIEDLEVEL	Response level that responder used when formatting the response data.
300	(12C)	SIGNED	4	RD_SUPPORTSLEVEL	Maximum response level that the responder can provide when formatting the response data for the subject message.
300	(12C)	X'0'	0	IXCYSRVR_KRD_VERSION0	"0"
300	(12C)	X'130'	0	IXCYSRVR_TRESPONSEDESCRIPTOR_LEN	"*-IXCYSRVR_TRESPONSEDESCRIPTOR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TMSGDESCRIPTOR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	1	MD_VERSION	Metadata describing a message. Version of data within this mapping. Initially zero. May be nonzero in the future to indicate presence of new or changed information.
1	(1)	CHARACTER	1		Reserved
2	(2)	SIGNED	2		Reserved
4	(4)	CHARACTER	4	MD_ATTRIBUTES (0)	
4	(4)	BITSTRING	1	MD_MSGTYPE	Describes characteristics of the message or its delivery. Code to indicate type of message: Server Request Response message See constants ixcysrvr_kMsgType...
5	(5)	BITSTRING	1	MD_MSGFLAGS (0)	Message description flags
		1... ..		MD_MSGAVAILABLE	"X'80" ON if md_DataDesc can be used to access the message data (or a data descriptor table if applicable).
		..1.		MD_EXPECTREPLY	"X'20" ON if sender is expecting a response to this message
6	(6)	CHARACTER	2		Reserved (zero)
8	(8)	CHARACTER	16	MD_MSGID	Copy of MSGID provided by sender when IXCSEND was invoked to send this message.
24	(18)	CHARACTER	64	MD_MSGCNTL	Message control data provided by sender (IXCSEND MSGCNTL)
88	(58)	CHARACTER	16	MD_DATADESC	Indicates where to find the text of the message. Valid for use if the md_MsgAvailable flag is ON. This field is mapped by ixcysrvr_tDataDescriptor. As a special case for a message descriptor that is contained within a response descriptor (rd_MsgDesc), the dd_DataSize field within md_DataDesc is valid for use if rd_RespArrived is ON.
104	(68)	CHARACTER	32	MD_SENDERNAME	Name of sender, corresponds to IXCSEND SENDER specification.
136	(88)	CHARACTER	16	MD_SENDERID	Sender ID, zero if none. Corresponds to IXCSEND SENDERID specification.
152	(98)	CHARACTER	8	MD_SYSNAME	Name of system on which sender resides.
160	(A0)	SIGNED	4	MD_SYSID (0)	XCF System ID of system on which sender resides.
160	(A0)	BITSTRING	1	MD_SYSNUM	XCF slot number of system
164	(A4)	CHARACTER	16	MD_ETODWHENSENT	Extended TOD when this message was sent.
180	(B4)	CHARACTER	16	MD_ETODWHENARRIVED	Extended TOD when this message arrived on local system. Set to zero if the information is not available.
196	(C4)	CHARACTER	64	MD_RESPTOKEN	RESPTOKEN to be used when invoking IXCSEND to send a response to this message. Valid if md_ExpectReply is ON
260	(104)	SIGNED	4	MD_RESPTIME	Amount of time sender is allowing for the expected response to arrive. This value corresponds to the RESPTIME specification from the IXCSEND invocation.
264	(108)	SIGNED	4	MD_HOLDTIME	Amount of time that response will be available to sender after its message completes. This value corresponds to the HOLDTIME specification from the IXCSEND invocation.
268	(10C)	SIGNED	4	MD_RESPONSELEVEL	Response level requested by sender. Corresponds to IXCSEND RESPONSELEVEL specification.
268	(10C)	X'0'	0	IXCYSRVR_KMD_VERSION0	"0"
268	(10C)	X'1'	0	IXCYSRVR_KMSGTYPE_SERVERREQUEST	"1" IXCSEND SENDTO=SERVER
268	(10C)	X'2'	0	IXCYSRVR_KMSGTYPE_RESPONSE	"2" IXCSEND SENDTO=ORIGINATOR
268	(10C)	X'110'	0	IXCYSRVR_TMSGDESCRIPTOR_LEN	"*-IXCYSRVR_TMSGDESCRIPTOR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSXPL	SXPL Header
0	(0)	CHARACTER	4	SXPL_EYECATCHER	'SXPL'
4	(4)	BITSTRING	1	SXPL_VERSION	SXPL version. This field is set to indicate the presence of additional data within this header. It is intended for use by (future) exploiters that need to determine whether the new fields of interest to them are valid for use.
5	(5)	BITSTRING	1	SXPL_LEVEL	Similar to SXPL_Version, except that this field indicates the presence of additional data within the request specific parameters located via SXPL_ParameterOffset.
6	(6)	BITSTRING	1	SXPL_SERVERCODE	Server code. Indicates what function XCF is asking the server to perform and thus how to map the parameters that are being passed. See constants below.
7	(7)	CHARACTER	1	SXPL_FLAGS (0)	

IXCYSRVR Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1... ..		SXPL_STOPPENDING	"X'80" ON if the server is to be stopped, but is being allowed to finish pending work.
8	(8)	SIGNED	4	SXPL_STOPCODE	An output field to be set by the server exit routine if it wants to terminate the server. Initially zero on entry to the server exit routine. If this field is nonzero on return from the exit, XCF stops running the server loop and returns to the the IXCSRVR REQTYPE=START invoker with a return and reason code determined by this value.
12	(C)	SIGNED	4	SXPL_LENGTH	Length in bytes of SXPL, including any parameters unique to the server code.
16	(10)	CHARACTER	16	SXPL_USERDATA	Copy of USERDATA specified by the IXCSRVR invocation that started the server.
32	(20)	CHARACTER	32	SXPL_SERVERNAME	Name of the server being called. Mapped by ixcsrvr_tName
64	(40)	CHARACTER	16	SXPL_SERVERID	Token that identifies the server instantiation being called
80	(50)	CHARACTER	64	SXPL_INFO	Copy of INFO specified by the IXCSRVR invocation that started the server. This data is static for the life of the server.
144	(90)	CHARACTER	64	SXPL_STATE	Server state. This field can be dynamically updated by the server exit. On entry to server exit, a copy of the server state last observed by XCF (initially zero). If this field is updated by the server exit, XCF will record the new server state upon return from the exit. The server state last recorded by XCF is made available to outside parties that send a suitable query (IXCREQ) to the XCF server.
208	(D0)	CHARACTER	32	SXPL_WAD	The work area descriptor indicates storage location(s) provided by the user that XCF can use for a work area. For example, a work area might hold the content of a server request message sent by a client. The server exit can leave this data intact, or update it to provide a new work area for the next request, or update it to withdraw the work area entirely. Regardless, the updated descriptor determines the work area (if any) that XCF is to use for processing the next server work item. Mapped by ixcsrvr_tWorkAreaDescriptor
240	(F0)	SIGNED	4	SXPL_PARAMETEROFFSET	Offset at which the parameters for the indicated server code can be found. Offset is relative to the beginning of the SXPL.
244	(F4)	BITSTRING	1	SXPL_RESPBIND	An output field to be set by the server to change the response bind for a request. On entry to the server exit, contains a value corresponding to the RESPBIND specification from the IXCSRVR invocation that started the server. When called to process a server request (ixcsrvr_kSC_Request), the server exit can update this field to indicate that the particular request presented to the server should have a different RESPBIND specification. The response bind (whether changed or not) does not become effective until XCF completes its back end processing for the request after the server exit successfully returns. For failures prior to that point, the request is deemed to have failed during delivery.
245	(F5)	BITSTRING	1	SXPL_REFUSALCODE	An output field to be set by the server exit routine if it wants to refuse a request. Initially zero on entry to the server exit routine. If this field is nonzero on return from the exit, XCF will acknowledge the associated request (if any) with a primary response code of ixcsrvr_RC1_Refused. The secondary response code will be this refusal code. XCF assumes the server will not be sending its own response. Updates are valid when the server exit is called with the following server codes: ixcsrvr_kSC_GetWorkArea ixcsrvr_kSC_Request
246	(F6)	BITSTRING	1	SXPL_RESULTCODE	An output field to be set by the server exit routine if it wants to have XCF acknowledge the request. Initially zero on entry to the server exit routine. If this field is nonzero on return from the exit, XCF will acknowledge the associated request with a primary response code of ixcsrvr_RC1_Delivered. The secondary response code will be this result code. XCF assumes that the server will not be sending its own response. Updates are valid when the server exit is called with the following server codes: ixcsrvr_kSC_Request
247	(F7)	CHARACTER	1		reserved
248	(F8)	SIGNED	4	SXPL_TRACETHREAD	Token that can be used to identify the XCF thread associated with this call to the server exit. Intended for use with problem diagnosis. Can be used to identify XCF component traces that may be relevant.
252	(FC)	CHARACTER	4		reserved
252	(FC)	'XE7D7D3'	0	IXCYSRVR_KSXPLEYECATCHER	"C'SXPL"
252	(FC)	'X'0'	0	IXCYSRVR_KSXPL_VERSION0	"0" initial version
252	(FC)	'X'0'	0	IXCYSRVR_KSXPL_LEVEL0	"0" initial level

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description

Server Codes

All servers are expected to process the following codes:

- o InitServer - first call made to the server exit
- o GetWorkArea - obtain a work area for XCF to use

The following server codes are used only as the result of some explicit action on the part of the exploiter. The server is expected to process whatever codes apply.

- o Request - process a client request message

Comment

End of Comment

252	(FC)	X'1'	0	IXCYSRVR_KSC_INITSERVER	"1" initialize server
252	(FC)	X'2'	0	IXCYSRVR_KSC_GETWORKAREA	"2" XCF wants storage
252	(FC)	X'3'	0	IXCYSRVR_KSC_REQUEST	"3" process request sent by IXSEND SENDTO=SERVER

Comment

Server Stop Codes

The server exit can set SXPL_StopCode to have XCF exit the server stub loop and return to the invoker of the IXCYSRVR REQTYPE=START that started the server instance. On entry to the server exit routine, SXPL_StopCode = ixcysrvr_kStopCodeContinue. If the server is to continue processing work, the exit need not update the "stop code". If the server is to stop processing work, it should set an acceptable stop code prior to normal return to XCF. XCF then returns to the invoker of the IXCYSRVR REQTYPE=START request, translating the stop code into the return and reason code indicated below.

IXCYSRVR REQTYPE=START
SXPL_StopCode upon return RC Reason Code

ixcysrvr_kStopCodeFinished 0 n/a

ixcysrvr_kStopCodeFailure 4 ixcsrvrRsnExitFailure

(1) ixcysrvr_kStopCodeContinue 4 ixcsrvrRsnStopped

(2) <any other nonzero value> 8 ixcsrvrRsnSxplStopCode

Notes:

- (1) The IXCYSRVR REQTYPE=START service routine returns with return code 4 and reason code ixcsrvrRsnStopped if XCF stops the server as the result of an IXCYSRVR REQTYPE=STOP request. If the server instance was aware of the stop at all, it did not set the SXPL_StopCode to a nonzero value. It may well be that the XCF server stub code exited the server loop without calling the server exit, in which case the server exit had no opportunity to set the stop code.
- (2) Any other nonzero value is invalid and deemed to be a violation of the interface.

End of Comment

252	(FC)	X'0'	0	IXCYSRVR_KSTOPCODECONTINUE	"0" continue running the server loop
252	(FC)	X'1'	0	IXCYSRVR_KSTOPCODEFINISHED	"1" The server exit finished and is stopping normally.
252	(FC)	X'2'	0	IXCYSRVR_KSTOPCODEFAILURE	"2" The server exit is stopping due to a failure.

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					

RESPBIND Code					
The server exit can set SXPL_RespBind to indicate what recovery bind XCF should establish for the request being processed by the server. This specification determines the circumstances for which XCF will cancel the response message that is expected to be sent in reply to the request.					
Canceling a response implies that the originator of the request that is waiting for the response need not wait for its timeout value to expire to discover that no response was sent. If the entity specified by the RESPBIND terminates without sending a response, XCF will inform the originator that the reply is no longer expected.					
XCF sets the response bind after the server exit returns from processing the request. Thus for the response bind to become effective, XCF must complete its back end processing for the request. If a failure should occur before XCF can set the response bind, the request may be acknowledged with a response code indicating that a failure occurred while the request was being processed. So in cases where the failure occurs after the server exit successfully arranged for its agent to send the expected response but before XCF can set the response bind, the XCF acknowledgment may race with the response to be sent by agent. If the XCF acknowledgment wins the race, the response by the agent will be discarded.					

End of Comment					
252	(FC)	X'1'	0	IXCYSRVR_KRESPBIND_INSTANCE	"1" instance of server that processed request stops or terminates
252	(FC)	X'2'	0	IXCYSRVR_KRESPBIND_ADDRSPACE	"2" address space containing the server instance that processed the request terminates
252	(FC)	X'3'	0	IXCYSRVR_KRESPBIND_SYSTEM	"3" system containing the server instance that processed the request terminates
252	(FC)	X'100'	0	IXCYSRVR_TSXPL_LEN	"*-IXCYSRVR_TSXPL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TINITSERVER	parameters for server initialization
0	(0)	CHARACTER	32	SXPLIS_DESCRIPTION	IXCSRVR DESCRIPTION
32	(20)	SIGNED	4	SXPLIS_MINSERVERLEVEL	IXCSRVR MINLEVEL
36	(24)	SIGNED	4	SXPLIS_MAXSERVERLEVEL	IXCSRVR MAXLEVEL
40	(28)	SIGNED	4	SXPLIS_MINCLIENTLEVEL	IXCSRVR MINCLIENT
44	(2C)	SIGNED	4	SXPLIS_MAXCLIENTLEVEL	IXCSRVR MAXCLIENT
48	(30)	CHARACTER	8	SXPLIS_FEATURES	Server FEATURES specified on the IXCSRVR START request. Mapped by ixcysrvr_tFeatures
56	(38)	SIGNED	4	SXPLIS_FDI	IXCSRVR FDI
60	(3C)	SIGNED	4	SXPLIS_RESPBIND	IXCSRVR RESPBIND
60	(3C)	X'40'	0	IXCYSRVR_TINITSERVER_LEN	"*-IXCYSRVR_TINITSERVER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TGETWORKAREA	
0	(0)	CHARACTER	4	SXPLGW_REQUIREMENTS	(0)
		1...		SXPLGW_MUSTBECONTIGUOUS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	3		"X'80" ON if one contiguous storage area of the indicated total size is required to process the pending request. OFF implies that multiple distinct work areas can also be used. Even if the flag is ON, the server can provide a data descriptor table that defines multiple data areas, however the first entry in the table must describe a contiguous storage area of the indicated total size.
4	(4)	SIGNED	4	SXPLGW_TOTALSIZ	Reserved.
8	(8)	CHARACTER	8		Total number of bytes of storage required for the new work area(s)
8	(8)	X'10'	0	IXCYSRVR_TGETWORKAREA_LEN	Reserved
					**-IXCYSRVR_TGETWORKAREA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSIZEARRAY	
0	(0)	SIGNED	4	SA_SIZE	
0	(0)	X'4'	0	IXCYSRVR_TSIZEARRAY_LEN	**-IXCYSRVR_TSIZEARRAY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TREQUEST	
0	(0)	CHARACTER	8	SXPLRQ_FUNCTION	parameters to describe a request that was sent to the server
8	(8)	CHARACTER	32	SXPLRQ_DESCRIPTION	Function server is to perform for the sender. Copy of FUNCTION from IXCSEND.
40	(28)	SIGNED	4	SXPLRQ_CLIENTLEVEL	Copy of DESCRIPTION from IXCSEND invocation used by client to send the request
44	(2C)	SIGNED	4	SXPLRQ_MINLEVEL	Level of client that sent the request. Copy of CLIENTLEVEL from IXCSEND.
48	(30)	SIGNED	4	SXPLRQ_MAXLEVEL	Minimum server level specified by sender. Copy of sc_MinServerLevel value from IXCSEND CRITERIA.
52	(34)	CHARACTER	4		Maximum server level specified by sender. Copy of sc_MaxServerLevel value from IXCSEND CRITERIA.
56	(38)	CHARACTER	8	SXPLRQ_FEATURES	Reserved
64	(40)	CHARACTER	272	SXPLRQ_MSGDESC	Features that the sender required the server to support. Mapped by icysrvr_tFeatures. Copy of sc_Features value from IXCSEND CRITERIA.
64	(40)	X'150'	0	IXCYSRVR_TREQUEST_LEN	Metadata describing the message provided by the sender of the request. In particular, if the md_MsgAvailable flag is ON, the data descriptor (md_DataDesc) indicates where to find the text of the client request message. Mapped by icysrvr_tMsgDescriptor
					**-IXCYSRVR_TREQUEST"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TRESPCODE	
0	(0)	BITSTRING	1	RESPCODE_RC1	primary response code
1	(1)	BITSTRING	1	RESPCODE_RC2	secondary explanation of the response code
1	(1)	X'0'	0	IXCYSRVR_RC1_UNKNOWN	"0"
1	(1)	X'1'	0	IXCYSRVR_RC1_NOTSENT	"1"
1	(1)	X'2'	0	IXCYSRVR_RC1_INPROGRESS	"2"
1	(1)	X'3'	0	IXCYSRVR_RC1_NORECEIVER	"3"
1	(1)	X'4'	0	IXCYSRVR_RC1_NOTDELIVERED	"4"
1	(1)	X'5'	0	IXCYSRVR_RC1_DELIVERED	"5"
1	(1)	X'6'	0	IXCYSRVR_RC1_REFUSED	"6"

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1	(1)	X'7'	0	IXCYSRVR_RC1_FAILED	"7"
1	(1)	X'8'	0	IXCYSRVR_RC1_REPLIED	"8"
1	(1)	X'0'	0	IXCYSRVR_RC2_UNKNOWN	"0" unknown or not applicable
1	(1)	X'0'	0	IXCYSRVR_RC2_OK	"0"
1	(1)	X'0'	0	IXCYSRVR_RC2_RECVTARGETOK	"0"
1	(1)	X'2'	0	IXCYSRVR_RC2_SENDRNORESOURCES	"2"
1	(1)	X'3'	0	IXCYSRVR_RC2_SENDFAILURE	"3"
1	(1)	X'4'	0	IXCYSRVR_RC2_SENDTARGETNOTEXIST	"4"
1	(1)	X'5'	0	IXCYSRVR_RC2_SENDTARGETDOWNLEVEL	"5"
1	(1)	X'6'	0	IXCYSRVR_RC2_RECVTARGETNOTEXIST	"6"
1	(1)	X'7'	0	IXCYSRVR_RC2_RECVTARGETNOTSUITABLE	"7"
1	(1)	X'8'	0	IXCYSRVR_RC2_RECVNORESOURCES	"8"
1	(1)	X'9'	0	IXCYSRVR_RC2_RECVXCFERROR	"9"
1	(1)	X'A'	0	IXCYSRVR_RC2_RECVTARGETNOWORKAREA	"10"
1	(1)	X'B'	0	IXCYSRVR_RC2_RECVRESPONDERTERMINATED	"11"
1	(1)	X'C'	0	IXCYSRVR_RC2_RECVTARGETERROR	"12"
1	(1)	X'D'	0	IXCYSRVR_RC2_RECVTARGETTERMINATED	"13"
1	(1)	X'E'	0	IXCYSRVR_RC2_SENDRNORESOURCES	"14"
1	(1)	X'F'	0	IXCYSRVR_RC2_SENDCANCELLED	"15"
1	(1)	X'10'	0	IXCYSRVR_RC2_SENDRRELEASED	"16"
1	(1)	X'2'	0	IXCYSRVR_TRESPCODE_LEN	**IXCYSRVR_TRESPCODE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TDATADESCRIPTOR	Describes one contiguous block of virtual storage.
0	(0)	SIGNED	4	DD_DATASIZE	Size in bytes of storage area
4	(4)	SIGNED	4	DD_DATAALET	ALET used to access storage
8	(8)	ADDRESS	8	DD_DATAADDR	Address of storage area
8	(8)	X'10'	0	IXCYSRVR_TDATADESCRIPTOR_LEN	**IXCYSRVR_TDATADESCRIPTOR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TWORKAREADESCRIPTOR	
0	(0)	CHARACTER	4	WAD_CONTROLS	Reserved
0	(0)	CHARACTER	1	WAD_FLAGS (0)	
		1... ..		WAD_AVAILABLE	"X'80" ON if the data in this work area descriptor is valid for use (content can be used to locate work areas, if any). OFF implies that this work area descriptor is not to be used (no work area provided).
1	(1)	BITSTRING	1	WAD_STGKEY	Storage key to be used when storing into the work area(s). The high order nibble contains the storage key, the low order nibble is ignored. For example, set 'kkkk' in the binary bit string 'kkkkxxx'B to correspond to the desired storage key.
2	(2)	SIGNED	2		Reserved.
4	(4)	CHARACTER	12		Reserved
16	(10)	CHARACTER	16	WAD_DATADESC	Data descriptor indicating the storage location to be used as a work area. Mapped by ixcysrvr_tDataDescriptor.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	X'20'	0	IXCYSRVR_TWORKAREADESCRIPTOR_LEN	""-IXCYSRVR_TWORKAREADESCRIPTOR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TDDT	Data descriptor table. Used to describe multiple data areas. Each entry in the table contains a data descriptor for one contiguous block of virtual storage.
0	(0)	CHARACTER	16	DDT_ENTRY	Array of data descriptors, one for each data area. Mapped by ixcysrvr_tDataDescriptor.
0	(0)	X'10'	0	IXCYSRVR_TDDT_LEN	""-IXCYSRVR_TDDT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSRVRINFOAA	Answer Area for response data returned by an IXCREQ SERVERINFO request in an IXCRECV DATAAREA
0	(0)	BITSTRING	1	SRVRIAA_VERSION	Version of this SvrInfoAA mapping
1	(1)	CHARACTER	1		Reserved.
2	(2)	SIGNED	2	SRVRIAA_AALEN	Length of this SvrInfoAA mapping
4	(4)	SIGNED	4	SRVRIAA_RESPLEVEL	Response level of SERVERINFO response data supplied by the target system
8	(8)	SIGNED	4	SRVRIAA_DATAAREASIZE	Total number of bytes of response data returned for the SERVERINFO request from the target described by the corresponding target descriptor record. This value includes the SvrInfoAA record
12	(C)	SIGNED	4	SRVRIAA_LENGTHHR	Length in bytes of a SvrInfoHR record in the response area
16	(10)	SIGNED	4	SRVRIAA_#HEADERRECS	Number of SvrInfoHR records that can be found beginning at offset srvrlaa_OffsetHR from the start of the SvrInfoAA record. The SvrInfoHR records found will describe the following record types: - SvrInfoHR_kType_DR
20	(14)	SIGNED	4	SRVRIAA_OFFSETHR	Offset from the start of the SvrInfoAA record at which the first SvrInfoHR record can be found. Valid only when srvrlaa_#HeaderRecs is not zero (0).
20	(14)	X'0'	0	IXCYSRVR_KSRVRIAA_VERSION0	"0"

Comment

XCF Server Task

XCF has implemented a server that can process requests that are formulated by the IXCREQ macro. One invokes the IXCREQ macro to create the message content for a request, then invokes IXCSEND to send that message (request) to the XCF server. The XCF server will process the request and send the results back. The client would then invoke IXCRECV to obtain the results.

See the IXCREQ macro for additional information, including the supported requests.

The XCF Server Name can be defined as follows:

```
IXCYSRVR_XCFSERVERNAME DC CL32'SYSXCF IXCREQ '
```

The following declares will generate EQU statements in assembler to allow the use of equates to define constants or construct variables that can be used when sending a server request to the XCF Server. For example, one can use literal notation and concatenate the EQU's together and assign a character string representing the XCF Server or Server function to local storage

```
MVC ServFunc,=A(IXCYSRVR_SFUnc1,ixcysrvr_SFUnc2)
```

Results: ServFunc contains C'SRVRINFO'

```
ServFunc DS CL8
```

```
IXCYSRVR_SFUnc1 EQU C'SRVR'
```

```
IXCYSRVR_SFUnc2 EQU C'INFO'
```

End of Comment

20	(14)	X'E8E2E7'	0	IXCYSRVR_SNAME1	"C'SYSX" XCF Server Name
----	------	-----------	---	-----------------	--------------------------

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	X'C64040'	0	IXCYSRVR_SNAME2	"C'CF ""
20	(14)	X'E7C3D9'	0	IXCYSRVR_SNAME3	"C'IXCR""
20	(14)	X'D84040'	0	IXCYSRVR_SNAME4	"C'EQ ""
20	(14)	X'D9E5D9'	0	IXCYSRVR_SFUNC1	"C'SRVR"" SRVRINFO Function
20	(14)	X'D5C6D6'	0	IXCYSRVR_SFUNC2	"C'INFO""
20	(14)	X'18'	0	IXCYSRVR_TSRVRINFOAA_LEN	""-IXCYSRVR_TSRVRINFOAA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSRVRINFOHR	Mapping for header records that describe record types returned by an IXCREQ SERVERINFO request in an IXCRECV DATAAREA
0	(0)	BITSTRING	1	SRVRIHR_TYPE	Type of data record
1	(1)	BITSTRING	1	SRVRIHR_LEVEL	Level of the data record type
2	(2)	SIGNED	2	SRVRIHR_LENGTH	Length in bytes of the data record type
4	(4)	SIGNED	4	SRVRIHR_#RECORDS	Number of data records of svrIhr_Type that are included in the response area returned by the target XCF Server
8	(8)	SIGNED	4	SRVRIHR_OFFSETHR	Offset from the start of the SvrInfoAA record where the first data record of type svrIhr_Type can be found. Valid when svrIhr_#Records is not zero (0).
8	(8)	X'1'	0	SRVRINFOHR_KTYPE_DR	"1" Definition record
8	(8)	X'2'	0	SRVRINFOHR_KTYPE_WI	"2" Work Item record
8	(8)	X'3'	0	SRVRINFOHR_KTYPE_IR	"3" Instance record
8	(8)	X'0'	0	IXCYSRVR_KSRVRIHR_LEVEL0	"0"
8	(8)	X'C'	0	IXCYSRVR_TSRVRINFOHR_LEN	""-IXCYSRVR_TSRVRINFOHR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSRVRINFODR	Server Definition Record
0	(0)	SIGNED	4	SRVRIDR_DATALEN	Total number of bytes of data returned for this server definition. Add this length to the address of the current SvrInfoDR to locate the next SvrInfoDR in the response data
4	(4)	CHARACTER	32	SRVRIDR_SERVERNAME	Name of a Server on the target system. Mapped by ixcysrvr_tName
36	(24)	SIGNED	4	SRVRIDR_#REQUESTSPROCESSED	Cumulative count of requests processed by the server since the server was defined.
40	(28)	SIGNED	4	SRVRIDR_#REQUESTSPENDING	Count of server requests waiting to be bound to a server instance for processing
44	(2C)	SIGNED	4	SRVRIDR_#REQUESTSWORKING	Count of server requests currently being worked on by server exits for the server
48	(30)	SIGNED	4	SRVRIDR_#SRVRINSTANCES	the total number of server instances for this server that are defined on the target system. Valid for all INFOTYPES
52	(34)	SIGNED	4	SRVRIDR_#HEADERDATARECS	Number of SvrInfoHR records that can be found beginning at offset svrIldr_OffsetHR from the start of the SvrInfoAA record. The SvrInfoHR records found will describe the following record types: - SvrInfoHR_kType_WI - SvrInfoHR_kType_IR
56	(38)	SIGNED	4	SRVRIDR_OFFSETHR	Offset from the start of the SvrInfoAA record at which the first SvrInfoHR record can be found. Valid when svrIldr_#HeaderDataRecs is not zero (0).
60	(3C)	CHARACTER	16	SRVRIDR_ETODWHENCOLLECTED	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
76	(4C)	CHARACTER	2	SRVRIDR_FLAGS (0)	16 byte extended TOD that denotes the time of day that the data for this server was collected on the target system
		1...		SRVRIDR_WISTALLED	Server Flags
		.1...		SRVRIDR_IRSTALLED	"X'80" '1'B, a work item associated with the server definition appears to be stalled in its processing
		..1.		SRVRIDR_SS_IMPACT	"X'40" '1'B, an instance associated with the server definition appears to be stalled in its processing
78	(4E)	CHARACTER	2		"X'20" '1', at least one of the defined server instances for this server appears to be contributing to sympathy sickness in the sysplex
78	(4E)	X'50'	0	IXCYSRVR_TSRVRINFODR_LEN	Unused (zeros)
					""-IXCYSRVR_TSRVRINFODR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSRVRINFOWI	Server Work Item information returned by an IXCREQ SERVERINFO request in an IXCRECV DATAAREA
0	(0)	SIGNED	4	SRVRIWI_WORKITEMSEQ#	Sequence number of the server work item on the server message queue
4	(4)	ADDRESS	4	SRVRIWI_WORKITEMTOKEN	4 byte token of the the server work item on the server message queue
8	(8)	CHARACTER	16	SRVRIWI_WORKITEMETOD	16 byte extended TOD of the server work item on the server message queue. This is the TOD that the request was received by the target system
24	(18)	CHARACTER	16	SRVRIWI_SERVERID	If nonzero, the SERVER ID of the server instance that is either supposed to process the request (as might be the case when the request is targeted to a specific server instance), or has been selected to process the request. If zero, the request has not yet been assigned to a server instance for processing.
40	(28)	SIGNED	4	SRVRIWI_WORKITEMTYPE	Type of server work item.
44	(2C)	BITSTRING	1	SRVRIWI_WORKITEMSTATE	State of the server work item on the server message queue. See constants for possible values
45	(2D)	CHARACTER	1	SRVRIWI_STATUSFLAGS (0)	
		1...		SRVRIWI_WORKITEMSTALLED	"X'80" '1'B if the work item appears to be stalled
46	(2E)	CHARACTER	2		
46	(2E)	X'30'	0	IXCYSRVR_TSRVRINFOWI_LEN	""-IXCYSRVR_TSRVRINFOWI"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSRVRINFOIR	Server Instance information returned by an IXCREQ SERVERINFO request in an IXCRECV DATAAREA
0	(0)	CHARACTER	32	SRVRIIR_SERVERDESC	Server Description provided on the IXCSRVR START
32	(20)	CHARACTER	16	SRVRIIR_SERVERID	Server ID that uniquely identifies a server instance
48	(30)	CHARACTER	8	SRVRIIR_JOBNAME	Job name under which server instance task is running
56	(38)	SIGNED	4	SRVRIIR_MINSERVERLEVEL	MINLEVEL as specified on the IXCSRVR START for this server instance
60	(3C)	SIGNED	4	SRVRIIR_MAXSERVERLEVEL	MAXLEVEL as specified on the IXCSRVR START for this server instance
64	(40)	SIGNED	4	SRVRIIR_MINCLIENTLEVEL	MINCLIENT as specified on the IXCSRVR START for this server instance
68	(44)	SIGNED	4	SRVRIIR_MAXCLIENTLEVEL	MAXCLIENT as specified on the IXCSRVR START for this server instance
72	(48)	CHARACTER	8	SRVRIIR_FEATURES	Features as identified on IXCSRVR START for this server instance. Mapped by ixcysrvr_tFeatures

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	ADDRESS	4	SRVRIIR_EXIT@	Address of the server exit routine
84	(54)	CHARACTER	64	SRVRIIR_INFO	Server "INFO". Static data specified when server was started.
148	(94)	SIGNED	4	SRVRIIR_FDI	Server FDI as specified on the IXCSRVR START
152	(98)	SIGNED	4	SRVRIIR_RESPBIND	Type of response recovery bind in affect for this server. See ixcysvr_kRespBind* constants
156	(9C)	CHARACTER	8	SRVRIIR_RESPSTOKEN	STOKEN of address space responsible for sending responses on behalf of this server instance. Applies if srvlir_RespBind contains ixcysvr_kRespBind_AddrSpace
164	(A4)	SIGNED	2	SRVRIIR_SERVERASID	ASID of the task that instantiated this server instance
166	(A6)	CHARACTER	2		Reserved
168	(A8)	CHARACTER	16	SRVRIIR_TTOKEN	TOKEN that identifies the task that instantiates this server instance
184	(B8)	ADDRESS	4	SRVRIIR_TCB@	TCB address that identifies the task that instantiates this server instance
188	(BC)	SIGNED	4	SRVRIIR_#REQUESTS	Number of requests presented to this server instance
192	(C0)	CHARACTER	16	SRVRIIR_ETODWHENSTARTED	16 byte extended TOD when this server was instantiated
208	(D0)	CHARACTER	16	SRVRIIR_ETODWHENIDLE	16 byte extended TOD when this server last entered an idle state waiting for more work
224	(E0)	CHARACTER	16	SRVRIIR_ETODWHENNOTIFIED	16 byte extended TOD when the server instance was last notified that work items were available for processing
240	(F0)	CHARACTER	16	SRVRIIR_ETODWHENFINDWORK	16 byte extended TOD when the server instance last began seaching for new work to process
256	(100)	CHARACTER	16	SRVRIIR_ETODWHENGOTWORK	16 byte extended TOD when a request was last bound to this server instance for processing
272	(110)	CHARACTER	16	SRVRIIR_ETODWHENSTOPACCEPTED	16 byte extended TOD when a stop request was first accepted for this server
288	(120)	CHARACTER	64	SRVRIIR_USERSTATE	Server "state" as reported by the server exit via the SXPL
352	(160)	CHARACTER	64	SRVRIIR_INFODATA	Server defined static information provided on the INFO keyword of the IXCSRVR START request for the server instance
416	(1A0)	CHARACTER	140	SRVRIIR_CURRENTWORKITEM (0)	Information in this section valid when srvlir_WorkItemToken is non zero.
416	(1A0)	SIGNED	4	SRVRIIR_WORKITEMTYPE	Type of work item being processed.
420	(1A4)	CHARACTER	16	SRVRIIR_MSGID	16 byte MSGID provided by the sender when IXCSEND was invoked to send this message.
436	(1B4)	CHARACTER	8	SRVRIIR_FUNCTION	8 byte FUNCTION provided by the sender when IXCSEND was invoked to send the request
444	(1BC)	CHARACTER	32	SRVRIIR_WORKITEMDESC	32 byte DESCRIPTION provided by the sender when IXCSEND was invoked to send the request
476	(1DC)	CHARACTER	16	SRVRIIR_ETODWHENARRIVED	16 byte extended TOD when the item the server exit is working on arrived
492	(1EC)	CHARACTER	16	SRVRIIR_ETODWHENEXITCALLED	16 byte extended TOD when XCF last called server exit routine
508	(1FC)	CHARACTER	16	SRVRIIR_ETODWHENEXITRETURNED	16 byte extended when server exit last returned to XCF
524	(20C)	SIGNED	4	SRVRIIR_WORKITEMSEQ#	Sequence number of the current server request being worked on by the server instance
528	(210)	ADDRESS	4	SRVRIIR_WORKITEMTOKEN	4 byte token that represents the current server request being worked on by the server instance
532	(214)	SIGNED	4	SRVRIIR_CLIENTLEVEL	Level of the client that sent the request as specified on the IXCSEND request
536	(218)	CHARACTER	20	SRVRIIR_REQUESTCRITERIA	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
the range of server levels and set of features that the server must support to process this request as specified on the IXCSEND request. Mapped by ixcysrvr_tCriteria					
End of Comment					
556	(22C)	CHARACTER	4	SRVRIIR_STATUS (0)	Server instance status information from an XCF system management perspective
556	(22C)	BITSTRING	1	SRVRIIR_STATUSCODE	Server instance status from an XCF perspective. See ixcysrvr_klrxxxx constants for possible values
557	(22D)	CHARACTER	1	SRVRIIR_STATUSFLAGS (0)	
		1...		SRVRIIR_STOPNORMALLY	"X'80" '1'B if the server is finishing pending work before shutting down. '0'B if the server is stopping immediately without processing queued work. This field is valid only when svrlir_ETodWhenStopAccepted is non-zero
		.1..		SRVRIIR_STALLED	"X'40" '1'B if the server instance appears to be stalled
		..1.		SRVRIIR_SS_IMPACT	"X'20" '1'B if the server instance appears to be contributing to sympathy sickness in the sysplex Unused (zero)
558	(22E)	CHARACTER	1		
559	(22F)	BITSTRING	1	SRVRIIR_WHYSTOP	Internal XCF information identifying why a server instance stopped. This field is valid only when svrlir_ETodWhenStopAccepted is non-zero
559	(22F)	X'1'	0	IXCYSRVR_KIRSTARTING	"1" The server instance is in the process of starting and initializing.
559	(22F)	X'2'	0	IXCYSRVR_KIRPREPARING	"2" The server instance is preparing to process a newly assigned work item
559	(22F)	X'3'	0	IXCYSRVR_KIRWORKING	"3" The server instance is working on a request
559	(22F)	X'4'	0	IXCYSRVR_KIRCOMPLETING	"4" The server instance is completing work
559	(22F)	X'5'	0	IXCYSRVR_KIRIDLE	"5" The server instance is waiting for work to be assigned to the instance
559	(22F)	X'6'	0	IXCYSRVR_KIRNOTIFIED	"6" The server instance has been notified that pending work is available to be processed
559	(22F)	X'7'	0	IXCYSRVR_KIRFINDWORK	"7" The server instance is searching for a new request to process
559	(22F)	X'8'	0	IXCYSRVR_KIRSTOPPING	"8" The server instance is marked to be stopped.
559	(22F)	X'FE'	0	IXCYSRVR_KIRUNKNOWNWORK	"254" The status of the server instance is unknown because the server instance is processing work that is not recognized by XCF
559	(22F)	X'FF'	0	IXCYSRVR_KIRUNKNOWN	"255" The status of the server instance is unknown
559	(22F)	X'1'	0	IXCYSRVR_KREQUEST	"1" The work item is a client request for a server
559	(22F)	X'1'	0	IXCYSRVR_KWIPENDING	"1" The work item is pending processing.
559	(22F)	X'2'	0	IXCYSRVR_KWIPREPARING	"2" The work item is assigned to a server instance but the server exit has not been presented with the work item yet
559	(22F)	X'3'	0	IXCYSRVR_KWIWORKING	"3" The work item is assigned to a server instance and being worked on
559	(22F)	X'4'	0	IXCYSRVR_KWICOMPLETING	"4" The work item is assigned to a server instance, the server exit completed processing the request, XCF is performing completion processing for the work item

IXCYSRVR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
?Asaxmac Assert(ixcysrvr_klrPreparing,EQ,ixcysrvr_kWiPreparing) ?Asaxmac Assert(ixcysrvr_klrPreparing,EQ,ixcysrvr_kWiPreparing)					
End of Comment					
559	(22F)	X'0'	0	ASSERT_EQ1_1	"0"
559	(22F)	X'0'	0	ASSERT_EQ2_1	"0"
Comment					
?Asaxmac Assert(ixcysrvr_klrWorking,EQ,ixcysrvr_kWiWorking) ?Asaxmac Assert(ixcysrvr_klrWorking,EQ,ixcysrvr_kWiWorking)					
End of Comment					
559	(22F)	X'0'	0	ASSERT_EQ1_2	"0"
559	(22F)	X'0'	0	ASSERT_EQ2_2	"0"
Comment					
?Asaxmac Assert(ixcysrvr_klrCompleting,EQ,ixcysrvr_kWiCompleting) ?Asaxmac Assert(ixcysrvr_klrCompleting,EQ,ixcysrvr_kWiCompleting)					
End of Comment					
559	(22F)	X'0'	0	ASSERT_EQ1_3	"0"
559	(22F)	X'0'	0	ASSERT_EQ2_3	"0"
559	(22F)	X'230'	0	IXCYSRVR_TSRVRINFOIR_LEN	""-IXCYSRVR_TSRVRINFOIR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXCYSRVR_TSRVRINFODD	IXCREQ Diagnostic information returned by an IXCREQ request in an IXCRECV DATAAREA
0	(0)	SIGNED	4	SRVRIDD_DIAG0	Reserved
4	(4)	SIGNED	4	SRVRIDD_DIAGRC	IXCREQ Return code that the DIAG information is for. Same as rd_RespRetcode from the ixcysrvr_tResponseDescriptor record for the server that sent the response
8	(8)	SIGNED	4	SRVRIDD_DIAGRSN	IXCREQ Reason code that the DIAG information is for. Same as rd_RespRsncode from the ixcysrvr_tResponseDescriptor record for the server that sent the response
12	(C)	SIGNED	4	SRVRIDD_DIAG1	Contents depends on the value of srvrldd_DiagRc and srvrldd_DiagRsn
16	(10)	SIGNED	4	SRVRIDD_DIAG2	Contents depends on the value of srvrldd_DiagRc and srvrldd_DiagRsn
20	(14)	SIGNED	4	SRVRIDD_DIAG3	Contents depends on the value of srvrldd_DiagRc and srvrldd_DiagRsn
24	(18)	SIGNED	4	SRVRIDD_DIAG4	Contents depends on the value of srvrldd_DiagRc and srvrldd_DiagRsn
28	(1C)	SIGNED	4		Reserved
28	(1C)	X'20'	0	IXCYSRVR_TSRVRINFODD_LEN	""-IXCYSRVR_TSRVRINFODD"

IXCYSRVR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AA_#DESC	10			FC	1
AA_ANSAREASIZE	4		IXCYSRVR_KRESPBIND_SYSTEM	FC	3
AA_CANCELLED	1	4	IXCYSRVR_KRPI_VERSION0	10	0
AA_COMPLETED	1	80	IXCYSRVR_KRQI_VERSION0	38	0
AA_DATAAREASIZE	8		IXCYSRVR_KSC_GETWORKAREA	FC	2
AA_LENDESC	14		IXCYSRVR_KSC_INITSERVER	FC	1
AA_OFFSETRESPDESC	1C		IXCYSRVR_KSC_REQUEST	FC	3
AA_OFFSETSENDDDESC	C		IXCYSRVR_KSC_VERSION0	C	0
AA_OFFSETTARGDESC	18		IXCYSRVR_KSD_VERSION0	114	0
AA_RESPPENDING	1	10	IXCYSRVR_KSENDTO_RESPTOKEN	78	3
AA_SENDDPENDING	1	20	IXCYSRVR_KSENDTO_SERVERID	78	2
AA_STATUS	1		IXCYSRVR_KSENDTO_SERVERNAME	78	1
AA_SUCCESSFUL	1	40	IXCYSRVR_KSRVRIAA_VERSION0	14	0
AA_TIMEDOUT	1	8	IXCYSRVR_KSRVRIHR_LEVEL0	8	0
AA_VERSION	0		IXCYSRVR_KSTOPCODECONTINUE	FC	0
ASSERT_EQ1_1	22F	0	IXCYSRVR_KSTOPCODEFAILURE	FC	2
ASSERT_EQ1_2	22F	0	IXCYSRVR_KSTOPCODEFINISHED	FC	1
ASSERT_EQ1_3	22F	0	IXCYSRVR_KSXPL_LEVEL0	FC	0
ASSERT_EQ2_1	22F	0	IXCYSRVR_KSXPL_VERSION0	FC	0
ASSERT_EQ2_2	22F	0	IXCYSRVR_KSXPLEYECATCHER	FC	E7D7D3
ASSERT_EQ2_3	22F	0	IXCYSRVR_KTD_VERSION0	78	0
DD_DATAADDR	8		IXCYSRVR_KWICOMPLETING	22F	4
DD_DATAALET	4		IXCYSRVR_KWIPENDING	22F	1
DD_DATASIZE	0		IXCYSRVR_KWIPREPARING	22F	2
DDT_ENTRY	0		IXCYSRVR_KWIWORKING	22F	3
IXCYSRVR_KAA_VERSION0	1C	0	IXCYSRVR_RC1_DELIVERED	1	5
IXCYSRVR_KCRITERIA_VERSION0	C	0	IXCYSRVR_RC1_FAILED	1	7
IXCYSRVR_KIRCOMPLETING	22F	4	IXCYSRVR_RC1_INPROGRESS	1	2
IXCYSRVR_KIRFINDWORK	22F	7	IXCYSRVR_RC1_NORECEIVER	1	3
IXCYSRVR_KIRIDLE	22F	5	IXCYSRVR_RC1_NOTDELIVERED	1	4
IXCYSRVR_KIRNOTIFIED	22F	6	IXCYSRVR_RC1_NOTSENT	1	1
IXCYSRVR_KIRPREPARING	22F	2	IXCYSRVR_RC1_REFUSED	1	6
IXCYSRVR_KIRSTARTING	22F	1	IXCYSRVR_RC1_REPLIED	1	8
IXCYSRVR_KIRSTOPPING	22F	8	IXCYSRVR_RC1_UNKNOWN	1	0
IXCYSRVR_KIRUNKNOWN	22F	FF	IXCYSRVR_RC2_OK	1	0
IXCYSRVR_KIRUNKNOWNWORK	22F	FE	IXCYSRVR_RC2_RECVMORESOURCES	1	8
IXCYSRVR_KIRWORKING	22F	3	IXCYSRVR_RC2_RECVRESPONDERTERMINATED		
IXCYSRVR_KMAXFEATURESLEVEL	1	FE			
IXCYSRVR_KMD_VERSION0	10C	0			
IXCYSRVR_KMSGTYPE_RESPONSE	10C	2			
IXCYSRVR_KMSGTYPE_SERVERREQUEST	10C	1			
IXCYSRVR_KRD_VERSION0	12C	0			
IXCYSRVR_KREQUEST	22F	1			
IXCYSRVR_KRESPBIND_ADDRSPACE	FC	2			
IXCYSRVR_KRESPBIND_INSTANCE					

IXCYSRVR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXCYSRVR_RC2_RECVTARGETERROR	1	B	IXCYSRVR_TNAME	10C	110
IXCYSRVR_RC2_RECVTARGETNOTEXIST	1	C	IXCYSRVR_TNAME_LEN	0	
IXCYSRVR_RC2_RECVTARGETNOTSUITABLE	1	6	IXCYSRVR_TREQUEST	18	20
IXCYSRVR_RC2_RECVTARGETNOWORKAREA	1	7	IXCYSRVR_TREQUEST_LEN	0	
IXCYSRVR_RC2_RECVTARGETOK	1	A	IXCYSRVR_TREQUEST_LEN	40	150
IXCYSRVR_RC2_RECVTARGETTERMINATED	1	0	IXCYSRVR_TREQUESTINFO	0	
IXCYSRVR_RC2_RECVCXFERROR	1	D	IXCYSRVR_TREQUESTINFO_LEN	0	
IXCYSRVR_RC2_SENDCANCELLED	1	9	IXCYSRVR_TREQUESTINFO_LEN	38	40
IXCYSRVR_RC2_SENDFAILURE	1	F	IXCYSRVR_TRESPCODE	0	
IXCYSRVR_RC2_SENDRSOURCES	1	3	IXCYSRVR_TRESPCODE_LEN	1	2
IXCYSRVR_RC2_SENDRRELEASED	1	2	IXCYSRVR_TRESPONSEDESCRIPTOR	0	
IXCYSRVR_RC2_SENDRTARGETDOWNLEVEL	1	10	IXCYSRVR_TRESPONSEDESCRIPTOR_LEN	12C	130
IXCYSRVR_RC2_SENDRTARGETNOTEXIST	1	5	IXCYSRVR_TRESPONSEINFO	0	
IXCYSRVR_RC2_SENDRTIMEDOUT	1	4	IXCYSRVR_TRESPONSEINFO_LEN	10	14
IXCYSRVR_RC2_UNKNOWN	1	E	IXCYSRVR_TSENDDSCRIPTOR	0	
IXCYSRVR_SFUNC1	1	0	IXCYSRVR_TSENDDSCRIPTOR_LEN	114	114
IXCYSRVR_SFUNC2	14	D9E5D9	IXCYSRVR_TSIZEARRAY	0	
IXCYSRVR_SNAME1	14	D5C6D6	IXCYSRVR_TSIZEARRAY_LEN	0	4
IXCYSRVR_SNAME2	14	E8E2E7	IXCYSRVR_TSRVRINFOAA	0	
IXCYSRVR_SNAME3	14	C64040	IXCYSRVR_TSRVRINFOAA_LEN	14	18
IXCYSRVR_SNAME4	14	E7C3D9	IXCYSRVR_TSRVRINFODD	0	
IXCYSRVR_TANSAREA	0		IXCYSRVR_TSRVRINFODD_LEN	1C	20
IXCYSRVR_TANSAREA_LEN	1C	20	IXCYSRVR_TSRVRINFODR	0	
IXCYSRVR_TCRITERIA	0		IXCYSRVR_TSRVRINFODR_LEN	4E	50
IXCYSRVR_TCRITERIA_LEN	C	14	IXCYSRVR_TSRVRINFOHR	0	
IXCYSRVR_TDATADESCRIPTOR	0		IXCYSRVR_TSRVRINFOHR_LEN	8	C
IXCYSRVR_TDATADESCRIPTOR_LEN	8	10	IXCYSRVR_TSRVRINFOIR	0	
IXCYSRVR_TDDT	0		IXCYSRVR_TSRVRINFOIR_LEN	22F	230
IXCYSRVR_TDDT_LEN	0	10	IXCYSRVR_TSRVRINFOWI	0	
IXCYSRVR_TFEATURES	0		IXCYSRVR_TSRVRINFOWI_LEN	2E	30
IXCYSRVR_TFEATURES_LEN	1	8	IXCYSRVR_TSXPL	0	
IXCYSRVR_TGETWORKAREA	0		IXCYSRVR_TSXPL_LEN	FC	100
IXCYSRVR_TGETWORKAREA_LEN	8	10	IXCYSRVR_TTARGETDESCRIPTOR	0	
IXCYSRVR_TINITSERVER	0		IXCYSRVR_TTARGETDESCRIPTOR_LEN	78	7C
IXCYSRVR_TINITSERVER_LEN	3C	40	IXCYSRVR_TWORKAREADESCRIPTOR	0	
IXCYSRVR_TMSGDESCRIPTOR	0		IXCYSRVR_TWORKAREADESCRIPTOR_LEN	10	20
IXCYSRVR_TMSGDESCRIPTOR_LEN	0		MD_ATTRIBUTES	4	
			MD_DATADESC	58	
			MD_ETODWHENARRIVED	B4	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MD_ETODWHENSENT			SD_ATTRIBUTES		
MD_EXPECTREPLY	A4			4	
MD_HOLDTIME	5	20	SD_CANCELLED	5	4
MD_MSGAVAILABLE	108		SD_COMPLETED	5	80
MD_MSGCNTL	5	80	SD_ETODWHENCOMPLETED	28	
MD_MSGFLAGS	18		SD_ETODWHENREQUESTED	18	
MD_MSGID	5		SD_EXPECTREPLY		
MD_MSGTYPE	8			4	80
MD_RESPONSELEVEL	4		SD_FLAGS0	4	
MD_RESPTIME	10C		SD_FLAGS1	5	
MD_RESPTOKEN	104		SD_FLAGS3	7	
MD_SENDERID	C4		SD_HOLDTIME	10	
MD_SENDERNAME	88		SD_MSGCNTL	54	
MD_SYSID	68		SD_MSGID	44	
MD_SYSNAME	A0		SD_MSGINFO	D4	
MD_SYSNUM	A0		SD_MSGTYPE	6	
MD_VERSION	0		SD_REQUESTINFO		
RD_MSGDESC	10			D4	
RD_RESPARRIVED			SD_RESPONSEINFO		
RD_RESPCODE	4	40		D4	
RD_RESPEXPECTED	8		SD_RESPENDING		
RD_RESPINDEX	4	80		5	10
RD_RESPRETCODE	C		SD_RESPTIME	C	
RD_RESPRSNCODE			SD_SENDER	94	
RD_STATUS	120		SD_SENDERID	B4	
RD_SUPPLIEDLEVEL	124		SD_SENDDPENDING		
RD_SUPPORTSLEVEL	4			5	20
RD_VERSION	128		SD_SENDDTIME	8	
RESPCODE_RC1	12C		SD_SUCCESSFUL		
RESPCODE_RC2	0			5	40
RPI_RESPRETCODE	0		SD_TIMEDOUT	5	8
RPI_RESPRSNCODE	4		SD_USERDATA	C4	
RPI_SUPPLIEDLEVEL	8		SD_VERSION	0	
RPI_SUPPORTSLEVEL	C		SF_FEATURES	1	
RPI_VERSION	10		SF_LEVEL	0	
RQI_CLIENTLEVEL	0		SN_SECTION1	0	
RQI_DESCRIPTION	2C		SN_SECTION2	8	
RQI_FEATURES	C		SN_SECTION3	10	
RQI_FUNCTION	38		SN_SECTION4	18	
RQI_MAXSERVERLEVEL	4		SRVRIAA_#HEADERRECS		
RQI_MINSERVERLEVEL	34			10	
RQI_VERSION	30		SRVRIAA_AALEN		
SA_SIZE	0			2	
SC_FEATURES	0		SRVRIAA_DATAAREASIZE		
SC_MAXSERVERLEVEL	8			8	
SC_MINSERVERLEVEL	4		SRVRIAA_LENGTHHR		
SC_RSVD1	1			C	
SC_VERSION	0		SRVRIAA_OFFSETHR		
SD_#REPLIESAVAILABLE	40			14	
SD_#REPLIESPENDING	3C		SRVRIAA_RESPLEVEL		
SD_#TARGETS	38			4	
			SRVRIAA_VERSION		
				0	
			SRVRIDD_DIAGRC		
				4	
			SRVRIDD_DIAGRSN		
				8	
			SRVRIDD_DIAG0		
				0	
			SRVRIDD_DIAG1		
				C	
			SRVRIDD_DIAG2		
				10	
			SRVRIDD_DIAG3		
				14	
			SRVRIDD_DIAG4		
				18	
			SRVRIDR_#HEADERDATARECS		
				34	
			SRVRIDR_#REQUESTSPENDING		
				28	
			SRVRIDR_#REQUESTSPROCESSED		

IXCYSRVR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SRVRIDR_#REQUESTSWORKING	24		SRVRIIR_MSGID		
SRVRIDR_#SRVRINSTANCES	2C		SRVRIIR_REQUESTCRITERIA	1A4	
SRVRIDR_DATALEN	30		SRVRIIR_RESPBIND	218	
SRVRIDR_ETODWHENCOLLECTED	0		SRVRIIR_RESPSTOKEN	98	
SRVRIDR_FLAGS	3C		SRVRIIR_SERVERASID	9C	
SRVRIDR_IRSTALLED	4C		SRVRIIR_SERVERDESC	A4	
SRVRIDR_OFFSETHR	4C	40	SRVRIIR_SERVERID	0	
SRVRIDR_SERVERNAME	38		SRVRIIR_SERVERID	20	
SRVRIDR_SS_IMPACT	4		SRVRIIR_SS_IMPACT	22D	20
SRVRIDR_WISTALLED	4C	20	SRVRIIR_STALLED	22D	40
SRVRIHR_#RECORDS	4C	80	SRVRIIR_STATUS	22C	
SRVRIHR_LENGTH	4		SRVRIIR_STATUSCODE	22C	
SRVRIHR_LEVEL	2		SRVRIIR_STATUSFLGS	22D	
SRVRIHR_OFFSETHR	1		SRVRIIR_STOPNORMALLY	22D	80
SRVRIHR_TYPE	8		SRVRIIR_TCB@	B8	
SRVRIIR_#REQUESTS	0		SRVRIIR_TTOKEN	A8	
SRVRIIR_CLIENTLEVEL	BC		SRVRIIR_USERSTATE	120	
SRVRIIR_CURRENTWORKITEM	214		SRVRIIR_WHYSTOP	22F	
SRVRIIR_ETODWHENARRIVED	1A0		SRVRIIR_WORKITEMDESC	1BC	
SRVRIIR_ETODWHENEXITCALLED	1DC		SRVRIIR_WORKITEMSEQ#	20C	
SRVRIIR_ETODWHENEXITRETURNED	1EC		SRVRIIR_WORKITEMTOKEN	210	
SRVRIIR_ETODWHENFINDWORK	1FC		SRVRIIR_WORKITEMTYPE	1A0	
SRVRIIR_ETODWHENGOTWORK	F0		SRVRINFOHR_KTYPE_DR	8	1
SRVRIIR_ETODWHENIDLE	D0		SRVRINFOHR_KTYPE_IR	8	3
SRVRIIR_ETODWHENNOTIFIED	E0		SRVRINFOHR_KTYPE_WI	8	2
SRVRIIR_ETODWHENSTARTED	C0		SRVRIWI_SERVERID	18	
SRVRIIR_ETODWHENSTOPACCEPTED	110		SRVRIWI_STATUSFLGS	2D	
SRVRIIR_EXIT@	50		SRVRIWI_WORKITEMMETOD	8	
SRVRIIR_FDI	94		SRVRIWI_WORKITEMSEQ#	0	
SRVRIIR_FEATURES	48		SRVRIWI_WORKITEMSTALLED	2D	80
SRVRIIR_FUNCTION	1B4		SRVRIWI_WORKITEMSTATE	2C	
SRVRIIR_INFO	54		SRVRIWI_WORKITEMTOKEN	4	
SRVRIIR_INFODATA	160		SRVRIWI_WORKITEMTYPE	28	
SRVRIIR_JOBNAME	30		SXPL_EYECATCHER	0	
SRVRIIR_MAXCLIENTLEVEL	44		SXPL_FLAGS	7	
SRVRIIR_MAXSERVERLEVEL	3C		SXPL_INFO	50	
SRVRIIR_MINCLIENTLEVEL	40		SXPL_LENGTH	C	
SRVRIIR_MINSERVERLEVEL	38		SXPL_LEVEL	5	
			SXPL_PARAMETEROFFSET	F0	
			SXPL_REFUSALCODE	F5	
			SXPL_RESPBIND		

IXCYSRVR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SXPL_RESULTCODE	F4		TD_SERVERID	17	
SXPL_SERVERCODE	F6		TD_SERVERNAME	18	
SXPL_SERVERID	6			18	
SXPL_SERVERNAME	40		TD_STATUS	4	
SXPL_STATE	20		TD_SYSID	60	
SXPL_STOPCODE	90		TD_SYSNAME	58	
SXPL_STOPPENDING	8		TD_SYSNUM	60	
	7	80	TD_TARGETINFO	18	
SXPL_TRACETHREAD	F8		TD_TARGINDEX	8	
SXPL_USERDATA	10		TD_VERSION	0	
SXPL_VERSION	4		WAD_AVAILABLE	0	80
SXPL_WAD	D0		WAD_CONTROLS	0	
SXPLGW_MUSTBECONTIGUOUS	0	80	WAD_DATADESC	10	
SXPLGW_REQUIREMENTS	0		WAD_FLAGS	0	
SXPLGW_TOTALSIZE	4		WAD_STGKEY	1	
SXPLIS_DESCRIPTION	0				
SXPLIS_FDI	38				
SXPLIS_FEATURES	30				
SXPLIS_MAXCLIENTLEVEL	2C				
SXPLIS_MAXSERVERLEVEL	24				
SXPLIS_MINCLIENTLEVEL	28				
SXPLIS_MINSERVERLEVEL	20				
SXPLIS_RESPBIND	3C				
SXPLRQ_CLIENTLEVEL	28				
SXPLRQ_DESCRIPTION	8				
SXPLRQ_FEATURES	38				
SXPLRQ_FUNCTION	0				
SXPLRQ_MAXLEVEL	30				
SXPLRQ_MINLEVEL	2C				
SXPLRQ_MSGDESC	40				
TD_EXPECTREPLY	4	10			
TD_RESPCODE	14				
TD_RESPEXPECTED	4	20			
TD_RESPTOKEN	18				
TD_SENDCOMPLETE	4	40			
TD_SENDPENDING	4	80			
TD_SENDRCDIAG1	74				
TD_SENDRETCODE	C				
TD_SENDRSNCODE	10				
TD_SENDRSNDIAG1	78				
TD_SENDTOCODE					

IXCYWRE Information

IXCYWRE Programming Interface information

Programming Interface information

IXCYWRE

End of Programming Interface information

IXCYWRE Heading Information • IXCYWRE Map

IXCYWRE Heading Information

Common Name: Automatic Restart Manager Workload-Restart-Exit Parameter List
Macro ID: IXCYWRE
DSECT Name: WRE
Owning Component: Cross System Coupling Facility (SCXCF)
 SUBCOMPONENT: Automatic Restart Manager (ARM)
Eye-Catcher ID: WRE
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: 203
 Key: 0
Size: variable: 16 + (number-of-elements x 16) bytes
Created by: IXCA3XRP
Pointed to by: Register 1 on entry
Serialization: None
Function: Mapping of parameter list passed to an installation's
 Workload Restart Exit routine

IXCYWRE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WRE	
0	(0)	CHARACTER	16	WREHEADER (0)	Fixed-length section of WRE parameter list
0	(0)	CHARACTER	4	WREACRONYM	Eyecatcher C'WRE '
4	(4)	CHARACTER	8	WREDEADSYSTEMNAME	Name of system that has left the sysplex
12	(C)	BITSTRING	4	WRENUMBEROFELEMENTS	Number of elements being restarted on this system

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WREELEMENTNAMES	
0	(0)	CHARACTER	16		Names of the elements being restarted on this system

Comment					
Eyecatcher for WREAcronym field					
End of Comment					
16	(10)	CHARACTER	4	WREEYECATCHER	Eyecatcher

IXGANSAA Information

IXGANSAA Programming Interface information

Programming Interface information

IXGANSAA

The following field is **NOT** programming interface information:

- ANSAA_SHROPTINVALID

End of Programming Interface information

IXGANSAA Heading Information • IXGANSAA Map

IXGANSAA Heading Information

Common Name: Answer area mapping macro
Macro ID: IXGANSAA
DSECT Name: ANSAA
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Caller's storage or function dynamic storage
Size: 40 bytes
 ANSAA -- X'0028' bytes
Created by: Caller
Pointed to by: Caller
Serialization: None
Function: Answer area mapping.

IXGANSAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ANSAA	
0	(0)	CHARACTER	40	ANSAA_BASE (0)	
0	(0)	SIGNED	4	ANSAA_PREFERRED_SIZE	Answer area preferred size
4	(4)	SIGNED	4	ANSAA_ASYNC_RETCODE	When SYNCECB is specified and the request is processed asynchronously, the return code is placed in this field
8	(8)	SIGNED	4	ANSAA_ASYNC_RSNCODE	When SYNCECB is specified and the request is processed asynchronously, the reason code is placed in this field
12	(C)	CHARACTER	16	ANSAA_DIAGNOSTICS (0)	
12	(C)	SIGNED	4	ANSAA_DIAG1	Additional diagnostic data
16	(10)	SIGNED	4	ANSAA_DIAG2	Additional diagnostic data
20	(14)	CHARACTER	4	ANSAA_DIAG3 (0)	
20	(14)	SIGNED	2	ANSAA_MODID	Additional diagnostic data
22	(16)	SIGNED	2	ANSAA_LOCATION	Additional diagnostic data
24	(18)	SIGNED	4	ANSAA_DIAG4	Additional diagnostic data
28	(1C)	CHARACTER	8	ANSAA_SERVICESPECIFIC (0)	
28	(1C)	CHARACTER	8	ANSAA_IXGDELET (0)	IXGDELET information
28	(1C)	CHARACTER	8	ANSAA_GAPS (0)	Gap information
28	(1C)	CHARACTER	8	ANSAA_GAPS_NEXT_BLKID	Block id of the first valid youngest block
28	(1C)	CHARACTER	8	ANSAA_IXGWRITE (0)	IXGWRITE information
28	(1C)	CHARACTER	3	ANSAA_WRITETRIGGERS (0)	
28	(1C)	BITSTRING	1	ANSAA_STRUCTURESEPERCENT	Data returned when AnsaWriteTriggersReturned is on Percent of CF structure element objects in use -Value rounded down -Value between 0 and 100 -Value not set for DASDONLY log streams
29	(1D)	BITSTRING	1	ANSAA_STAGINGUSEPERCENT	Percent of staging data set space in use -Value rounded down -Value between 0 and 100 -Value set for DASDONLY log streams and CF log streams that duplex to staging data sets
30	(1E)	BITSTRING	1	ANSAA_WRITEFLAGS (0)	Write specific flags

Comment

For CF Structure based log streams: The following flags are based on percentage of CF structure element objects in use.
 For DASDonly log streams: The following flags are based on percentage of staging data set space in use.

End of Comment

1...	....	ANSAA_WRITEABOVEHIGHOFFLOAD	"X'80" IxgWrite above HighOffload percentage for log stream
.1...	....	ANSAA_WRITEABOVELOWCAPACITY	"X'40"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		ANSAA_WRITEELEVATEDCAPACITY	"X'40" Log stream storage usage is at an elevated capacity. This IXGWRITE is above the 1/3 point between HighOffload % and 100% (full) --> (0.33 of delta). Increased IXGWRITE activity can pose a possible risk to the log stream of experiencing a full condition.
		.1.		ANSAA_WRITEABOVENEARCAPACITY	"X'20"
		.1.		ANSAA_WRITEIMMINENTCAPACITY	"X'20" Log stream storage usage is at an imminent capacity. This IXGWRITE is above the 2/3 point between HighOffload % and 100% (full) --> (0.67 of delta). Future IXGWRITE activity pose an impending risk to the log stream of experiencing a full condition.
31	(1F)	CHARACTER	5		Write reserved section
36	(24)	CHARACTER	4	ANSAA_FLAGS (0)	Flags
36	(24)	BITSTRING	1	ANSAA_FLAGS1 (0)	
		1...		ANSAA_TRUNCATED	"X'80" If set, answer area length specified is too small to contain all data to be returned. At least 40 bytes have been returned. See preferred size field
		.1..		ANSAA_BLKFROMINACTIVE	"X'40" When ON, indicates that the log block returned from the IXGBRWSE request came from the inactive portion of the log stream. For Ixgbrwse MultiBlock=Yes requests, ON indicates that at least one log block returned in the buffer came from the inactive portion of the log stream. Flag Ixgbrmlt_FromInactive (Ixgbrmlt) indicates which log blocks were in the inactive portion. When OFF, the log block returned from the IXGBRWSE request came from the active portion of the log stream. For Ixgbrwse multiblock requests, OFF indicates that none of the log blocks returned in the buffer came from the inactive portion of the log stream. Flag is set only for IXGBRWSE requests that result in a log block being returned.
		.1.		ANSAA_DYNGMTOFENTRYTOELECTIVE	"X'20" When ON, indicates that the logger is dynamically managing the structure's entry to element ratio. Therefore, the average buffer size value specified on the structure definition and returned on a IXGCONN request is not being used to control the structure's entry to element ratio. This field is set for IXGCONN requests, but it is undefined when Ansa_DasdOnlyLogStream is on.
		...1		ANSAA_DASDONLYLOGSTREAM	"X'10" When ON, indicates that this is a DASD only log stream, i.e. a coupling facility list structure is not being used for this log stream. This field is set for IXGCONN requests.
		.... 1...		ANSAA_BROWSEMULTIBLOCK	"X'08" When ON, indicates that this level of Logger supports the IXGBRWSE MULTIBLOCK=YES requests. When OFF, indicates MULTIBLOCK=YES requests are not supported. This field is valid only on IXGBRWSE REQUEST=START invocations.
		.... .1..		ANSAA_BLKFROMDASD	"X'04" When ON, indicates that the log block returned from the IXGBRWSE request was read from a logstream DASD offload data set. For Ixgbrwse MultiBlock=Yes requests, ON indicates that at least one log block returned in the buffer was read from a logstream DASD offload data set. Flag Ixgbrmlt_FromDasd (Ixgbrmlt) indicates which log blocks were read from DASD. When OFF, the log block returned from the IXGBRWSE request was read from the logstream interim (structure/local buffer) storage. For Ixgbrwse multiblock requests, OFF indicates that none of the log blocks returned in the buffer were read from the logstream DASD offload data sets. Flag is set only for IXGBRWSE requests that result in a log block being returned.
		.... ..1.		ANSAA_SHROPTINVALID	"X'02" When ON, indicates that the Define request was successful, but that the dataset allocated for this logstream has invalid VSAM ShareOptions for use as a Logger Offload dataset. It is recommended that the logstream be redefined with VSAM ShareOptions '3,3' or higher to avoid losing data.
		.... ...1		ANSAA_BROWSESTARTSLIMITED	"X'01" When ON, indicates to the caller of IXGCONN REQUEST=CONNECT that the number of Browse starts allowed by non-authorized users is limited.
37	(25)	BITSTRING	1	ANSAA_FLAGS2 (0)	
		1...		ANSAA_WRITETRIGGERSRETURNED	"X'80" For IXGCONN REQUEST=CONNECT AUTH=WRITE requests: When ON, indicates that log stream primary storage consumption info will be returned in Ansa_WriteTriggers for successful IXGWRITE requests (RETICODE = 0 or 4). For IXGWRITE requests: When ON, indicates that data in Ansa_WriteTriggers has been returned.
38	(26)	BITSTRING	1	ANSAA_FLAGS3	

IXGANSAA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
39	(27)	BITSTRING	1	ANSAA_FLAGS4	
39	(27)	X'28'	0	ANSAA_LEN	"40" Length of answer area

IXGANSAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ANSAA	0		ANSAA_WRITETRIGGERSRETURNED	25	80
ANSAA_ASYNCH_RETCODE	4				
ANSAA_ASYNCH_RSNCODE	8				
ANSAA_BASE	0				
ANSAA_BLKFROMDASD	24	4			
ANSAA_BLKFROMINACTIVE	24	40			
ANSAA_BROWSEMULTIBLOCK	24	8			
ANSAA_BROWSESTARTSLIMITED	24	1			
ANSAA_DASDONLYLOGSTREAM	24	10			
ANSAA_DIAGNOSTICS					
	C				
ANSAA_DIAG1	C				
ANSAA_DIAG2	10				
ANSAA_DIAG3	14				
ANSAA_DIAG4	18				
ANSAA_DYNMGMTOFENTRYTOELEACTIVE	24	20			
ANSAA_FLAGS	24				
ANSAA_FLAGS1	24				
ANSAA_FLAGS2	25				
ANSAA_FLAGS3	26				
ANSAA_FLAGS4	27				
ANSAA_GAPS	1C				
ANSAA_GAPS_NEXT_BLKID	1C				
ANSAA_IXGDELET	1C				
ANSAA_IXGWRITE	1C				
ANSAA_LEN	27	28			
ANSAA_LOCATION	16				
ANSAA_MODID	14				
ANSAA_PREFERRED_SIZE	0				
ANSAA_SERVICESPECIFIC	1C				
ANSAA_SHROPTINVALID	24	2			
ANSAA_STAGINGUSEPERCENT	1D				
ANSAA_STRUCTUREPERCENT	1C				
ANSAA_TRUNCATED	24	80			
ANSAA_WRITEABOVEHIGHOFFLOAD	1E	80			
ANSAA_WRITEABOVELOWCAPACITY	1E	40			
ANSAA_WRITEABOVENEARCAPACITY	1E	20			
ANSAA_WRITEELEVATEDCAPACITY	1E	40			
ANSAA_WRITEFLAGS	1E				
ANSAA_WRITEIMMINENTCAPACITY	1E	20			
ANSAA_WRITETRIGGERS	1C				

IXGBRMLT Information

IXGBRMLT Programming Interface information

Programming Interface information

IXGBRMLT

End of Programming Interface information

IXGBRMLT Heading Information

IXGBRMLT Heading Information

Common Name: Browse Multi-block Output Mapping Macro
Macro ID: IXGBRMLT
ACRONYM:
DSECT Name: IXGBRMHD, IXGBRMLT, and IXGBRMLT_LOGBLOCK
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by browse invoker
Key: Determined by browse invoker
Residency: ANY

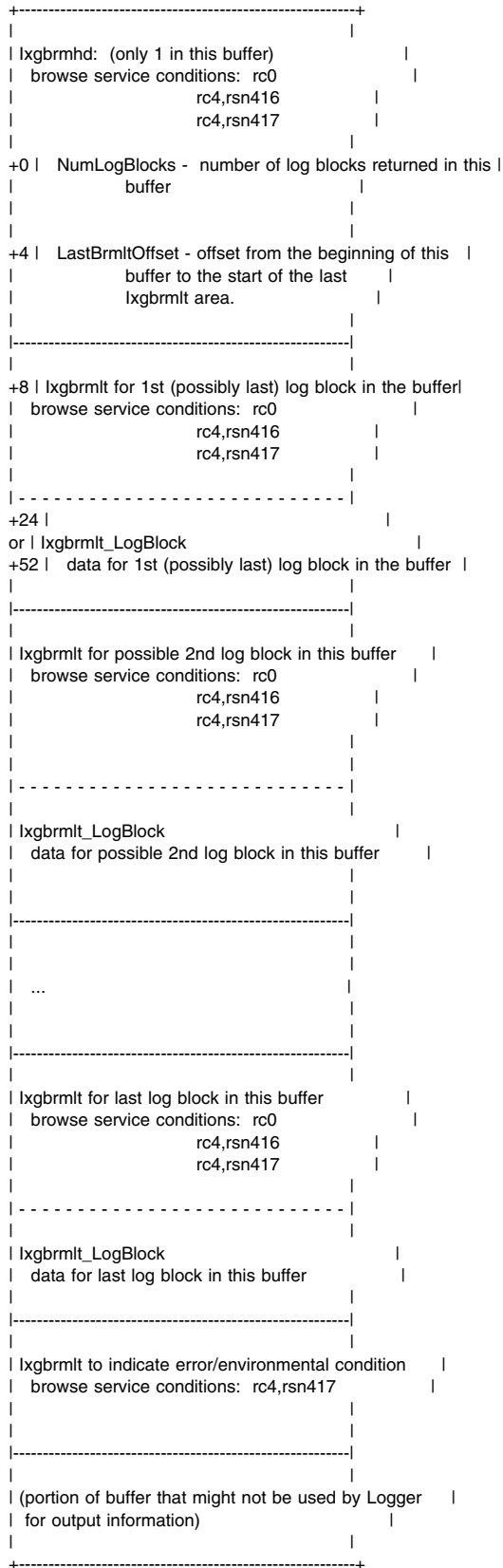
Size:
IXGBRMHD:
8 bytes ('08'X)
IXGBRMLT:
16 bytes ('10'X) when RETBLOCKINFO=NO
44 bytes ('2C'X) when RETBLOCKINFO=YES
IXGBRMLT_LOGBLOCK:
determined by Ixgwrite BlockLen value
(contained in field Ixgbrmlt_BlockLen)
Frequency:
IXGBRMHD:
1 in the caller's buffer area
IXGBRMLT:
1 per logstream log block returned on a browse MULTIBLOCK request (rc0 or rc4,rsn416).
However, note that there will be one additional area at the end of the log blocks to indicate the final return/reason code condition for rc4,rsn417.
IXGBRMLT_LOGBLOCK:
1 per logstream log block returned

Created by: Caller of Logger browse multiblock service provides the area and Logger fills it in.

Pointed to by: IXGBRMHD:
- This area is based on the Buffer area address provided on the Ixgbrwse request.
IXGBRMLT:
- The first Ixgbrmlt area is based on the Addr(Ixgbrmhd_FirstBrmlt)
- Subsequent Ixgbrmlt area's basing can be established by adding the current Ixgbrmlt's field Ixgbrmlt_NextOffset to the beginning of the Buffer area (Buffer parameter).
- The last Ixgbrmlt area's basing can be established by adding the field Ixgbrmhd_LastBrmltOffset to the Buffer address.
IXGBRMLT_LOGBLOCK:
- When the Ixgbrmlt_DataReturned indicator is on in the current Ixgbrmlt area, then the start of the corresponding Ixgbrmlt_LogBlock (log block area) should be calculated by using the address of the current Ixgbrmlt area and add in the value from the field Ixgbrmlt_Length.

Serialization: For IXGBRWSE service rc4,rsn0401 responses, System Logger maintains latent binds to the storage location specified by the BUFFER parameter.

Function: Maps the data returned in invoker's buffer on a IXGBRWSE READCURSOR request with MULTIBLOCK(YES): BUFFER



IXGBRMLT Map

IXGBRMLT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGBRMHD	Browse multi-block output area header mapping
0	(0)	CHARACTER	8	IXGBRMHD_START (0)	
0	(0)	SIGNED	4	IXGBRMHD_NUMLOGBLOCKS	Contains a count of the number of log blocks returned in this buffer.
4	(4)	SIGNED	4	IXGBRMHD_LASTBRMLTOFFSET	Offset within buffer to start of last Ixgbrmlt in this buffer. - If the Ixgbrwse service returns rc4,rsn416, then this offset will be to the last Ixgbrmlt that corresponds to the last returned log block in this buffer. - If the Ixgbrwse service returns rc4,rsn417, then this offset will be to the last Ixgbrmlt in this buffer that contains the error information from the service. No log block data is returned with this last Ixgbrmlt area.
8	(8)	CHARACTER	1	IXGBRMHD_FIRSTBRMLT (0)	Starting point of first Ixgbrmlt area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGBRMLT	Browse multi-block output area per returned log block
0	(0)	SIGNED	4	(0)	Word alignment
0	(0)	CHARACTER	44	IXGBRMLT_START (0)	
0	(0)	CHARACTER	16	IXGBRMLT_COMMON (0)	Common area
0	(0)	SIGNED	2	IXGBRMLT_LENGTH	Length of Ixgbrmlt area
2	(2)	BITSTRING	1	IXGBRMLT_VERSION	Version number
3	(3)	BITSTRING	1	IXGBRMLT_FLAGS (0)	Flag indicators:
		1...		IXGBRMLT_DATARETURNED	"X'80" When OFF, indicates service error condition rc4,rsn417. When ON, indicates that log block data follows this Ixgbrmlt area.
		.1..		IXGBRMLT_RETBLOCKINFO	"X'40" When OFF, indicates return only information necessary to navigate the caller's buffer to obtain each returned log block, see area mapped by Ixgbrmlt_Common When ON, indicates that along with the information necessary to navigate the caller's buffer to obtain each returned log block, Logger will also return the information mapped by Ixgbrmlt_RetInfo.
		..1.		IXGBRMLT_FROMINACTIVE	"X'20" When OFF, the returned log block came from the active portion of the log stream. When ON, the returned log block came from the inactive portion of the log stream.
		...1		IXGBRMLT_FROMDASD	"X'10" When OFF, the returned log block was read from the logstream interim (structure / local buffer) storage. When ON, the returned log block was read from a logstream DASD offload data set.
		.... 1...		IXGBRMLT_BLOCKID_EXPECTED_JUMP	"X'08" Flag that indicates whether the log block in this Ixgbrmlt area (re: IXGBRMLT_BLOCKID in Ixgbrmlt_RetInfo) is contiguous with the (older) log block in the previous Ixgbrmlt area when using the formula: (previous log block id + length of previous log block + length of Logger control information). For more information on the Logger control information, refer to mapping macro IXGQBUF field QBUF_Control_Info_Size as returned on an IXGQUERY request. The flag is valid only when the following conditions are met: - on browse DIRECTION=OLDTOYOUNG requests, and - fields Ixgbrmlt_RetCode and Ixgbrmlt_RsnCode are both returned with zero values, and - when Ixgbrmlt_Version (as set by Logger) is at least a value of 2, and - when IXGBRMLT_DATARETURNED is on in this Ixgbrmlt area, and - the log block in this Ixgbrmlt area is not the first log block returned after a START or RESET request. When all of the above are true, then the flag is also valid for the subsequent returned log blocks over multiple readcursor requests. When the above conditions are not met, this flag is undefined (not valid). For conditions when the flag is valid: - OFF, indicates that the log block in this Ixgbrmlt area is contiguous with the previous (older) log block in the log stream. - ON, indicates that the log block in this Ixgbrmlt area has an expected log block id jump. This means this log block is the next logical block in the log stream, but the block id is not contiguous with the previous (older) log block in the log stream.
4	(4)	SIGNED	4	IXGBRMLT_RETCODE	Return code. Values are defined in IXGCON

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	SIGNED	4	IXGBRMLT_RSNCODE	Reason code. Values are defined in IXGCON
12	(C)	SIGNED	4	IXGBRMLT_NEXTOFFSET	Offset within buffer to start of next Ixgbrmlt area. The basing for the next Ixgbrmlt area can be established by adding this field to the start of the Buffer address. If this field is zero, then there are no more Ixgbrmlt areas after this current Ixgbrmlt area.
16	(10)	CHARACTER	1	IXGBRMLT_COMMONEND (0)	End of Ixgbrmlt common area

Comment

Ixgbrmlt_RetInfo - return block info area
 This area may or may not be provided. When the flag Ixgbrmlt_RetBlockInfo is set on, this area is included along with the Ixgbrmlt_Common area.
 The field content in Ixgbrmlt_RetInfo is valid under the following conditions (assuming Ixgbrmlt_RetBlockInfo has been set on):
 - when Ixgbrmlt_DataReturned is also set on
 all the fields in Ixgbrmlt_RetInfo will be set with the return data associated with the log block.

End of Comment					
16	(10)	CHARACTER	28	IXGBRMLT_RETINFO (0)	Return Block Info area
16	(10)	SIGNED	4	IXGBRMLT_BLOCKLEN	The actual length of the log block as it was specified on the IXGWRITE request. Same as BLOCKSIZE for single IXGBRWSE request.
20	(14)	CHARACTER	8	IXGBRMLT_BLOCKID	Log block identifier
28	(1C)	CHARACTER	16	IXGBRMLT_TIMESTAMPS (0)	Time Stamps for the log block, in STCK format
28	(1C)	CHARACTER	8	IXGBRMLT_GMT	GMT for log block
36	(24)	CHARACTER	8	IXGBRMLT_LOCAL	Local time for log block
44	(2C)	CHARACTER	1	IXGBRMLT_RETINFOEND (0)	End of return info area
44	(2C)	CHARACTER	1	IXGBRMLT_END (0)	End of Ixgbrmlt mapping

Comment

These constants are used with the IXGBRMLT and IXGBRMHD mappings.

End of Comment					
44	(2C)	X'8'	0	IXGBRMHD_LEN	"IXGBRMHD_FIRSTBRMLT-IXGBRMHD" Length of header area
44	(2C)	X'10'	0	IXGBRMLT_CLEN	"IXGBRMLT_COMMONEND-IXGBRMLT_COMMON" Length of Ixgbrmlt common area
44	(2C)	X'2C'	0	IXGBRMLT_RLEN	"IXGBRMLT_RETINFOEND-IXGBRMLT_START" Length of Ixgbrmlt common area plus return info area
44	(2C)	X'2C'	0	IXGBRMLT_LEN	"IXGBRMLT_END-IXGBRMLT" Length of entire Ixgbrmlt area
		.... ..1		IXGBRMLT_1ST_VERSION	"X'01" First version for Ixgbrmlt
		.... ..1.		IXGBRMLT_2ND_VERSION	"X'02" Second version for Ixgbrmlt
		.... ..1.		IXGBRMLT_LATEST_VERSION	"X'02" Latest version for Ixgbrmlt

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGBRMLT_LOGBLOCK	Start of a log block within buffer area
0	(0)	BITSTRING	1	(0)	

IXGBRMLT Cross Reference

IXGBRMLT Cross Reference

Name	Hex Offset	Hex Value
IXGBRMHD	0	
IXGBRMHD_FIRSTBRMLT	8	
IXGBRMHD_LASTBRMLTOFFSET	4	
IXGBRMHD_LEN	2C	8
IXGBRMHD_NUMLOGBLOCKS	0	
IXGBRMHD_START	0	
IXGBRMLT	0	
IXGBRMLT_BLOCKID	14	
IXGBRMLT_BLOCKID_EXPECTED_JUMP	3	8
IXGBRMLT_BLOCKLEN	10	
IXGBRMLT_CLEN	2C	10
IXGBRMLT_COMMON	0	
IXGBRMLT_COMMONEND	10	
IXGBRMLT_DATARETURNED	3	80
IXGBRMLT_END	2C	
IXGBRMLT_FLAGS	3	
IXGBRMLT_FROMDASD	3	10
IXGBRMLT_FROMINACTIVE	3	20
IXGBRMLT_GMT	1C	
IXGBRMLT_LATEST_VERSION	2C	2
IXGBRMLT_LEN	2C	2C
IXGBRMLT_LENGTH	0	
IXGBRMLT_LOCAL	24	
IXGBRMLT_LOGBLOCK	0	
IXGBRMLT_NEXTOFFSET	C	
IXGBRMLT_RETBLOCKINFO	3	40
IXGBRMLT_RETCODE	4	
IXGBRMLT_RETINFO	10	
IXGBRMLT_RETINFOEND	2C	
IXGBRMLT_RLEN	2C	2C
IXGBRMLT_RSNCODE	8	
IXGBRMLT_START	0	
IXGBRMLT_TIMESTAMPS	1C	
IXGBRMLT_VERSION	2	
IXGBRMLT_1ST_VERSION	2C	1
IXGBRMLT_2ND_VERSION	2C	2

IXGC MPL Information

IXGC MPL Programming Interface information

Programming Interface information

IXGC MPL

End of Programming Interface information

IXGCMPL Heading Information • IXGCMPL Cross Reference

IXGCMPL Heading Information

Common Name: Complete Exit Parameter List
Macro ID: IXGCMPL
DSECT Name: CMPL
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 229
 Key: Key 0
 Residency: Above 16 MB in virtual storage.
Size: x'0040' bytes
 CMPL -- X'0040' bytes
Created by: SCLOG
Pointed to by: First word in parameter list provided to complete exit.
Serialization: None required
Function: Maps parameter list to the Complete Exit interface
 to SCLOG connected users.

IXGCMPL Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	CMPL	Complete exit parameter list	
0	(0)	CHARACTER	8	CMPLREQDATA	Request-time user data	
8	(8)	SIGNED	4	CMPLRETCODE	Return code. Values are defined in IXGCON.	
12	(C)	SIGNED	4	CMPLRSNCODE	Reason code. Values are defined in IXGCON.	
16	(10)	BITSTRING	1	CMPLFLAGS (0)	Flags	
		1...		CMPLCOMPLETED	"X'80" On => The request is complete, see Cmpl_UserInfo for additional information Off => The request is unknown, Cmpl_UserInfo is not filled in.	
17	(11)	CHARACTER	3		Reserved	
20	(14)	BITSTRING	46	CMPLUSERINFO (0)	Data presented to the user when Cmpl_Completed is turned on	
20	(14)	ADDRESS	4	CMPLANSAREA@	Answer area address for this request	
24	(18)	CHARACTER	16	CMPLSTREAMTOKEN	Connect token	
40	(28)	CHARACTER	16		Reserved	
56	(38)	CHARACTER	1	CMPLEND (0)	End of CMPL	
56	(38)	X'38'	0	CMPLLEN	**-CMPL"	

IXGCMPL Cross Reference

Name	Hex Offset	Hex Value
CMPL	0	
CMPLANSAREA@	14	
CMPLCOMPLETED	10	80
CMPLEND	38	
CMPLFLAGS	10	
CMPLLEN	38	38
CMPLREQDATA	0	
CMPLRETCODE	8	
CMPLRSNCODE	C	
CMPLSTREAMTOKEN	18	
CMPLUSERINFO	14	

IXGCON Information

IXGCON Programming Interface information

Programming Interface information

IXGCON

End of Programming Interface information

IXGCON Heading Information • IXGCON Map

IXGCON Heading Information

Common Name: Constants for users of IXG services
Macro ID: IXGCON
DSECT Name: None
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Size: 0 bytes
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: Provides a list of constants for users of IXG services.

IXGCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	IXGRETCODEOK	"0" Service completes successfully
0	(0)	X'4'	0	IXGRETCODEWARNING	"4" Service completes successfully, however a warning condition was encountered
0	(0)	X'8'	0	IXGRETCODEERROR	"8" Service does not complete successfully because an error condition has been encountered
0	(0)	X'C'	0	IXGRETCODECOMPERROR	"12" Service does not complete successfully because a System Logger component error has been encountered
Comment					
Reason Codes -- IxgRsnCodeOk					
End of Comment					
		.... ..		IXGRSNCODEOK	"X'00000000" IXGBRWSE, IXGCONN, IXGDELET, IXGIMPRT, IXGINVNT, IXGOFFLD, IXGQUERY, IXGUPDAT and IXGWRITE requests. Explanation: Request processed successfully.
Comment					
Reason Codes -- IxgRsnCodeWarning (Note that the reason codes are of the form "xxxxYYYY" where "xxxx" is used to contain internal diagnostic information)					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNCODEPROCESSEDASYNCH	"X'00000401" IXGWRITE, IXGBRWSE, IXGDELET requests. Explanation: The program specified MODE=ASYNCHNORESPONSE MODE=SYNCECB or MODE=SYNCEXIT and the request must be processed asynchronously. Action: IF MODE=ASYNCHNORESPONSE was specified completion will not be reported. If MODE=SYNCECB was specified, wait for the ECB specified on the ECB parameter to be posted, indicating that the request is complete. If MODE=SYNCEXIT was specified, the system logger will call the connection's completion exit once the request is complete. Check the ANSAA_ASYNCH_RETCODE and ANSAA_ASYNCH_RSNCODE fields, mapped by IXGANSAA, to determine whether the request completed successfully.
0	(0)	BITSTRING	0	IXGRSNCODEWARNINGDEL	"X'00000402" IXGBRWSE request. Explanation: Environment error. The request completed successfully, but the data requested was deleted from the log stream via. The next available data in the log stream in the direction specified is returned. Action: Determine whether this is an acceptable condition for your application. If so, ignore this condition. If not, provide serialization or some other installation protocol to prevent deletes from being performed by other applications on the log stream during a browse session.
0	(0)	BITSTRING	0	IXGRSNCODEWARNINGGAP	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEDISCONNECTINPROGRESS	"X'00000403" IXGBRWSE request. Explanation: Environment error. The request completed successfully, but the data requested was unreadable. The next readable data in the log stream in the specified direction is returned. This condition could be caused by either an I/O error while attempting to read a log data set or a log data set deleted without using logger interfaces. Action: The action necessary is completely up to the application, depending on how critical your data is. You can do one of the following: # Accept this condition and continue reading. # Stop processing the log all together. # Attempt to get the problem rectified, if possible, and then attempt to re-read the log data. This could also be a VSAM Shareoptions problem.
0	(0)	BITSTRING	0	IXGRSNCODEWARNINGLOSSOFDATA	"X'00000404" IXGCONN request. Explanation: Environment error. The disconnect request is being completed asynchronously. The application has been disconnected from the log stream and the stream token is no longer valid. Action: The log stream cannot be deleted until the asynchronous portion of the disconnect processing completes.
0	(0)	BITSTRING	0	IXGRSNCODECONNECTREBUILD	"X'00000405" IXGWRITE and IXGBRWSE requests. Explanation: Environment error. For an IXGBRWSE request: returned for READCURSOR, START OLDEST and RESET OLDEST requests. For READCURSOR: A log block has been returned, but there may be log blocks permanently missing between this log block and the one previously returned. For START OLDEST and RESET OLDEST: the oldest log blocks in the log stream may be permanently missing, the browse cursor is set at the oldest available log block. This condition occurs when a system and coupling facility fail and not all of the log data in the log stream could be recovered. For an IXGWRITE request: the request was successful however the log stream has previously lost log blocks. This condition occurs when a system and coupling facility fail and not all of the log data in the log stream could be recovered. Failures affecting both the primary log data and the duplexed copy likely caused the loss of data condition Action: If your application cannot tolerate any data loss, stop issuing system logger services to this log stream, disconnect from the log stream, and reconnect to a new, undamaged log stream. You can continue using the log stream if your applications can tolerate data loss.
0	(0)	BITSTRING	0	IXGRSNCODECONNPossibleLossOfData	"X'00000406" IXGCONN request. Explanation: Environment error. The connect request was successful, but the log stream is temporarily unavailable because a coupling facility structure re-build is in progress. Action: Listen to the ENF signal 48, which will indicate either that the log stream is available because the re-build completed successfully or that the log stream is not available because the re-build failed. In the meantime, do not attempt to issue system logger services against the log stream.
0	(0)	BITSTRING	0	IXGRSNCODEDSDIRECTORYFULLWARNING	"X'00000407" IXGWRITE and IXGWRITE request. Explanation: Environment error. The request was successful, but there may be log blocks permanently missing between this log block and the one previously returned. This condition occurs when a system or coupling facility fails and not all of the data in the log stream could be recovered. Action: If your application cannot tolerate any data loss, stop issuing system logger services to this log stream, disconnect from the log stream, and reconnect to a new, undamaged log stream. You can continue using the log stream if your applications can tolerate data loss.
0	(0)	BITSTRING	0	IXGRSNCODEWOWWARNING	"X'00000408" IXGWRITE, IXGCONN & IXGIMPRT requests. Explanation: Environment error. The request was successful, but the log stream's DASD data set directory is full. System logger cannot offload any further data from the coupling facility structure to DASD. The system logger will continue to process IXGWRITE requests until this log stream's portion of the coupling facility structure becomes full. Action: Either delete enough data from the log stream to free up space in the log stream's data set directory so that offloading can occur or disconnect from the log stream.
0	(0)	BITSTRING	0	IXGRSNCODEDUPLEXFAILUREWARNING	"X'00000409" IXGWRITE, IXGCONN and IXGIMPRT requests. Explanation: Environment error. The request was successful, but an error condition was detected by a previous offload of log data. System logger may not be able to offload any further data from the interim storage (e.g. coupling facility structure) to DASD. The system logger will continue to process IXGWRITE requests until this log stream's portion of the coupling facility structure or the staging data set becomes full. Action: Quiesce activity against this log stream and disconnect. Connect to another log stream. Check log for message IXG3011 to determine the cause of the error. If error was related to your installation, correct the error. Otherwise, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'0000040A" IXGWRITE & IXGIMPRT requests. Explanation: Environment error. The request was successful, but the system logger was unable to duplex log data to staging data sets, even though the log stream definition requested unconditional duplexing to staging data sets by specifying the log stream attributes: STG_DUPLEX=YES,DUPLEXMODE=UNCOND, or STG_DUPLEX=YES,DUPLEXMODE=DRXRC. When DUPLEXMODE=UNCOND is specified and when Logger is unable to obtain a staging data set to duplex the log data. Therefore, the Logger duplexing is being done in local buffers (data space). When DUPLEXMODE=DRXRC is specified for a logstream and being used for (non-local) disaster recovery duplexing, if the internal buffers used for asynchronous buffering of the log blocks become full. Meaning the internal buffers became full before at least one of the full buffers could be written to the staging data set. Action: For DUPLEXMODE=UNCOND, if duplexing to staging data sets is required, disconnect from this log stream and connect to a log stream that can be duplexed to staging data sets. For DUPLEXMODE=DRXRC, if duplexing to a DRXRC-type staging data sets is required, then cause the log data to be offload to the log secondary storage (offload data sets), refer to IXGQUERY and IXGOFFLD services, and then continue writing to the log stream.
0	(0)	BITSTRING	0	IXGRSNCODERMNOTCONNECTED	"X'0000040B" IXGDELETE request. Explanation: Environment error. The log stream is identified as being resource manager managed. Delete requests are only honored on this system if the resource manager is also connected when delete requests are being monitored. At the time of the user's delete request, the resource manager was not connected to the log stream. Action: Start the resource manager on this system so that it can connect to the log stream and participate in the delete process OR specify FORCE=YES on the corresponding IXGDELETE request
0	(0)	BITSTRING	0	IXGRSNCODERMOMVERRIDEOK	"X'0000040C" IXGDELETE request. Explanation: The caller's delete request was overridden by the corresponding resource manager exit. The override information was successfully processed
0	(0)	BITSTRING	0	IXGRSNCODERMNOBLOCK	"X'0000040D" IXGDELETE request. Explanation: Program error. For an IXGDELETE request, the block identifier does not exist in the log stream. Either the value provided was never a valid location within the log stream or a prior IXGDELETE request deleted the portion of the log stream it referenced. This warning only occurs if a resource manager overrides the caller-specified block id. Action: Ensure that the value provided references an existing portion of the log stream.
0	(0)	BITSTRING	0	IXGRSNCODERMBADGAP	"X'0000040E" IXGDELETE request. Explanation: Environment error. The request failed because the requested log data was unreadable. This condition could be caused by either an I/O error while attempting to read a log data set or a log data set deleted without using the IXGDELETE interface. Action: For an IXGDELETE request, the block identifier of the first accessible block toward the youngest data in the log stream is returned in the ANSAA_GAPS_NEXT_BLKID field in the answer area mapped by the IXGANSAA macro. If appropriate, re-issue the IXGDELETE request using this block identifier. This warning only occurs if a resource manager overrides the caller-specified block id. This could also be a VSAM ShareOptions problem.
0	(0)	BITSTRING	0	IXGRSNCODERMEOFAP	"X'0000040F" IXGDELETE request. Explanation: Environment error. The request prematurely reached the beginning or the end of the log stream. The portion of the log stream from the requested log data to either the beginning or the end of the log stream (depending on the direction of the read) was unreadable. This condition may be caused by either an I/O error while trying to read a log data set, or a log data set deleted without using the IXGDELETE interface. Action: The action necessary is completely up to the application depending on how critical your data is. You can do one of the following: # Accept this condition and continue reading. # Stop processing the log all together. # Attempt to get the problem rectified, if possible, and then attempt to re-read the log data. This warning only occurs if a resource manager overrides the caller-specified block id. This could also be a VSAM ShareOptions problem.
0	(0)	BITSTRING	0	IXGRSNCODERMLOSSOFDATAGAP	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODERMABENDED	"X'00000410" IXGDELETE request. Explanation: Environment error. The requested log data referenced a section of the log stream where log data is permanently missing. This condition occurs when a system or coupling facility is in recovery due to a failure, but not all of the log data in the log stream could be recovered. Action: If your application cannot tolerate any data loss, stop issuing system logger services to this log stream, disconnect from the log stream, and reconnect to a new, undamaged log stream. You can continue using the log stream if your applications can tolerate data loss. This warning only occurs if a resource manager overrides the caller-specified block id. This could also be a VSAM ShareOptions problem.
0	(0)	BITSTRING	0	IXGRSNCODERMDISABLED	"X'00000411" IXGDELETE request. Explanation: Program error. While the resource manager was in control, it abended and it percolated to the System Logger. No log data were deleted. Action: Correct the resource manager exit.
0	(0)	BITSTRING	0	IXGRSNCODERMINVALIDBLOCKID	"X'00000412" IXGDELETE request. Explanation: Environment error. The log stream is identified as being resource manager managed. The resource manager is connected to the log stream but is disabled because it percolated to the System Logger's recovery environment. Action: Cancel the resource manager address space, correct the problem in the exit and restart the resource manager address space OR specify FORCE=YES on the corresponding IXGDELETE request
0	(0)	BITSTRING	0	IXGRSNCODERMSTOPPEDDELETE	"X'00000413" IXGDELETE request. Explanation: Program error. For an IXGDELETE request, the resource manager exit returned an override blockid that is greater than the block id specified on the original IXGDELETE request. Action: Ensure that the value returned from the resource manager exit is less than or equal to the specified on the corresponding IXGDELETE request.
0	(0)	BITSTRING	0	IXGRSNCODERMBADRETCODE	"X'00000414" IXGDELETE request. Explanation: The resource manager does not allow any log blocks to be deleted by this IXGDELETE request. Action: Determine why the resource manager is prohibiting deletes. Specify FORCE=YES to stop the resource manager exit from stopping the delete request
0	(0)	BITSTRING	0	IXGRSNCODEWARNINGMULTIBLOCK	"X'00000415" IXGDELETE request. Explanation: The resource manager provided an invalid return code in register 15. Acceptable values are 0, 4 and 8. Action: Determine why the resource manager is returning an unsupported return code
0	(0)	BITSTRING	0	IXGRSNCODEMULTIBLOCKERRORWARNING	"X'00000416" IXGBRWSE request. Explanation: Environment error. The request completed successfully, meaning some log block data was returned, but at least one of the log blocks returned in the buffer area encountered a warning return code condition. The fields Ixgbrmlt_RetCode and Ixgbrmlt_RsnCode can be checked as the log blocks are processed to determine which log block(s) encountered the warning condition. Action: The action necessary is completely up to the application, depending on how critical your data is. You can do one of the following: # Accept this condition and continue reading. # Stop processing the log all together. # Attempt to get the problem rectified, if possible, and then attempt to re-read the log data.
0	(0)	BITSTRING	0	IXGRSNCODEUPDATENEWNAMEWARNING	"X'00000417" IXGBRWSE request. Eplanation: Environment error. The request completed successfully, meaning some log block data was returned, but an error condition was encountered while attempting to read more data. For this reason code, there will be one more Ixgbrmlt area in the buffer than log blocks (Ixgbrmhd_NumLogBlocks). Use Ixgbrmhd_LastBrmltOffset to get to the last Ixgbrmlt area and use fields Ixgbrmlt_RetCode and Ixgbrmlt_RsnCode to determine the error condition that was encountered. An example of this condition is when some log block data is returned and an end of the log stream (eof) condition occurs. Action: The action necessary is completely up to the application, depending on how critical your data is. You can do one of the following: # Accept this condition and continue reading. # Stop processing the log all together. # Attempt to get the problem rectified, if possible, and then attempt to re-read the log data.

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					<p>"X'00000418" IXGINVNT request. Explanation: Environment error. The request to update the log stream with a new stream name processed successfully. However, at least one log stream staging data set was not renamed due to an IDCAMS ALTER error. Action: Notify the System Programmer and check for any IXG251I hard-copy messages and see the system programmer response for the message identifier that is included in message IXG251I. Logger message IXG277E will also be issued. Refer to "z/OS DFSMS Access Method Services for Catalogs" for the IDCAMS return code information and correct the condition that caused the error. If a staging data set is migrated, then the IXG251I messages may indicate that the data set is a "NONVSAM" type entry for the cluster. Migrated staging data sets for the log stream must first be recalled prior to submitting the NEWSTREAMNAME update request as Logger does not attempt to rename migrated data sets. The staging data set will need to be renamed by the System Programmer. After correcting the error condition, the System Programmer should submit the necessary IDCAMS ALTER entryname NEWNAME() job to get the existing log stream staging data set name updated to match the new stream name change. This will need to be done prior to defining a new instance of a log stream that uses the same name as the log stream identified in this message. Failure to get the staging data set renamed correctly can result in a "loss of data" condition when a connection occurs for the log stream that was renamed. If unable to identify the problem source or correct the error, then contact the IBM Support Center. If you received this reason code from IXCMIAPU, see message IXG445E.</p>
Comment					
Reason Codes -- IxgRetCodeError (Note that the reason codes are of the form "xxxxYYYY" where "xxxx" is used to contain internal diagnostic information)					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNCODEBADPARMLIST	<p>"X'00000801" IXGCONN, IXGWRITE, IXGIMPRT, IXGBRWSE, IXGDELETE & IXGINVNT IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Program error. The parameter list is invalid. Either the parameter list storage is inaccessible, an invalid version of the macro was used or MF=(E,NOCHECK) or MF=(M,NOCHECK) options used to construct the parameter list and conflicting parameters specified. For example: AUTH=READ, IMPORTCONNECT=YES Action: Ensure that the storage area for the parameter list is accessible to the system logger for the duration of the request, and that the macro version is correct. The parameter list storage must be addressable in the caller's primary address space and in the same key as the caller. Insure that a valid parameter list is constructed when specifying the NOCHECK option</p>
0	(0)	BITSTRING	0	IXGRSNCODEXESERROR	<p>"X'00000802" IXGCONN, IXGWRITE, IXGINVNT, IXGBRWSE, IXGDELETE, IXGUPDAT, IXGOFFLD, IXGQUERY, IXGIMPRT, IXGUPDAT Explanation: System error. A severe cross-system extended services (XES) error has occurred. Action: See ANSAA_DIAG1 for the XES return code and ANSAA_DIAG2 for the XES reason code.</p>
0	(0)	BITSTRING	0	IXGRSNCODEBADBUFFER	<p>"X'00000803" IXGWRITE, IXGBRWSE, IXGIMPRT and IXGQUERY requests. Explanation: Program error. The virtual storage area specified on the BUFFER or BUFFER64 parameter is not addressable. On IXGBRWSE ReadCursor MultiBlock requests, the BUFFER or BUFFER64 address must be on a word boundary. Action: Ensure that the storage area specified on the BUFFER or BUFFER64 parameter is accessible to system logger for the duration of the request. If the BUFFKEY parameter is specified, make sure it contains a valid key associated with the storage area. If BUFFKEY is not used, ensure that the storage is in the same key as the program at the time the logger service was requested. The storage must be addressable in the caller's primary address space. For IXGBRWSE ReadCursor MultiBlock requests, put the BUFFER or BUFFER64 address on a word boundary.</p>
0	(0)	BITSTRING	0	IXGRSNCODENOBLOCK	<p>"X'00000804" IXGBRWSE & IXGDELETE requests. Explanation: Program error. For an IXGBRWSE request, the block identifier or time stamp does not exist in the requested view of the log stream. If the SEARCH parameter was specified on a START request, the time stamp is greater than any block in the log stream. For an IXGDELETE request, the block identifier does not exist in the log stream. Either the value provided was never a valid location within the log stream or a prior IXGDELETE request deleted the portion of the log stream it referenced. Action: Ensure that the value provided references an existing portion of the log stream.</p>
0	(0)	BITSTRING	0	IXGRSNCODEALLOCERROR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'00000805" IXGINVNT request. Explanation: Environment error. The system encountered a severe dynamic allocation (SVC 99) error while processing data sets related to the log stream. If you have received this reason code while running a job that uses the IXCMIAPI utility, then messages IXG002E and IXG003I will appear in your joblog. Investigating the diag fields in IXG003I may be helpful. IXG003I is documented in "z/OS MVS System Messages, Vol 10 (IXC-IZP)". If your application has received this reason code from the IXGINVNT macro, follow the action steps below. Action: IXGINVNT returns information about the error in the answer area, mapped by IXGANSAA. Investigate the meaning of ANSAA_Diag1 and ANSAA_Diag2. ANSAA_Diag1 contains either an internal logger return code or the contents of the 4 byte field S99ERSN. More information on internal logger return codes and S99ERSN appears below. ANSAA_Diag2 contains either the contents of the 4 byte field S99ERSN or the contents of the 2 byte field S99ERROR followed by the 2 byte field S99INFO. More information on these fields appears below. S99ERSN, S99ERROR and S99INFO are fields in the IEFZB4D0 control block that logger uses to communicate with dynamic allocation. If you receive any one of the following internal logger return codes in ANSAA_Diag1, contact IBM: x'04', x'10', x'14', x'1C'. S99ERROR is documented in section "Interpreting Error Reason Codes from DYNALLOC" of the "MVS Authorized Assembler Services Guide". S99ERSN is documented in section "S99RBX fields" of the "MVS Authorized Assembler Services Guide". S99INFO is documented section "Interpreting Information Reason Codes from DYNALLOC" of the "MVS Authorized Assembler Services Guide". After you have researched the meaning of S99ERROR, S99ERSN and S99INFO, you may be able to find even more information about the meaning of S99ERSN by looking up a DFSMS message whose ID is IGDxxxx. You can compute xxxx: It is the value found in S99ERSN, converted to decimal. The documentation for this IGDxxxx message gives the meaning of the value found in S99ERSN, even if the DFSMS message does not appear in syslog. Not all values of S99ERSN map to an IGDxxxx message. Here are some examples of S99ERSN values and the related message ID: If S99ERSN is x'00042CF', the DFSMS message ID would be IGD17103. Sometimes zeros must be inserted after IGD. For example, if S99ERSN is x'00003F6', the DFSMS message ID would be IGD01014. IGD messages are documented in "MVS System Messages, Vol 8 (IEF-IGD)". Look in syslog for any messages that were issued near the time your application invoked the IXGINVNT macro. Look for messages that begin with IXG. Messages of interest will often have 2 message IDs, where the first message ID is IXG251I, and the second begins with IGD, IDC, IKJ, IEF or ICH. If message IXG263E was issued, follow the actions documented for that message. If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTMOKEN	"X'00000806" IXGCONN, IXGWRITE, IXGIMPRT, IXGBRWSE, IXGDELETE, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Program error. One of the following occurred: # The stream token was not valid. # The specified request was issued from an address space other than the connector's address space. Action: Do one of the following: # Make sure that the stream token specified is valid. # Ensure that IXGWRITE, IXGBRWSE and IXGDELETE requests were issued from the connector's address space.
0	(0)	BITSTRING	0	IXGRSNCODEBADBRWOKEN	"X'00000807" IXGBRWSE request. Explanation: Program error. The browse token specified is not valid. Action: Ensure that the browse token being passed to the IXGBRWSE service is the same one returned from the IXGBRWSE REQUEST=START function.
0	(0)	BITSTRING	0	IXGRSNCODEIOERROR	"X'00000808" IXGINVNT requests. Explanation: System error. A severe log data set I/O error has occurred. Action: Contact the IBM Support Center. Provide the return and reason code.
0	(0)	BITSTRING	0	IXGRSNCODEBADWRITESIZE	"X'00000809" IXGWRITE & IXGIMPRT requests. Explanation: Program error. The size of the log block specified in the BLOCKLEN parameter is not valid. The value for BLOCKLEN must be greater than zero and less than or equal to the maximum buffer size (MAXBUFSIZE) defined in the LOGR policy for the structure associated with this log stream. Action: Ensure that the value specified on the BLOCKLEN parameter is greater than 0 and less than or equal to the MAXBUFSIZE which is returned on the log stream connect request.
0	(0)	BITSTRING	0	IXGRSNCODEREQUESTLOCKED	"X'0000080A" IXGCONN, IXGWRITE, IXGIMPRT, IXGBRWSE, IXGDELETE, IXGINVNT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Program error. The program issuing the request is holding a lock. Action: Ensure that the program issuing the request is not holding a lock.
0	(0)	BITSTRING	0	IXGRSNCODENOSTREAM	

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODESTAGINGALLOCATIONERROR	"X'0000080B" IXGCONN & IXGINVNT requests. Explanation: Program error. The log stream name specified has not been defined in the LOGR policy. Action: Ensure that the required log stream name has been defined in the LOGR policy. If the definition appears to be correct, ensure that the application is passing the correct log stream name to the service. If you received this reason code from IXCMIAPU, see message IXG017E.
0	(0)	BITSTRING	0	IXGRSNCODENOSAFAUTH	"X'0000080C" IXGCONN requests. Explanation: Environment error. The system encountered a severe dynamic allocation error with the staging data set. ANSAA_DIAG2 of the answer area contains either the dynamic allocation error code, SMS reason code, or media manager reason code. For more information about the error, check for either message IXG2511, which is issued for data set allocation errors, or check for messages issued by the access method. Action: If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.
0	(0)	BITSTRING	0	IXGRSNCODESTREAMDEFINED	"X'0000080D" IXGCONN and IXGINVNT requests. Explanation: Environment error. The user does not have correct SAF authorization for the request. # If the request was IXGCONN, either the caller is not authorized to connect to the log stream or the caller specified AUTH=WRITE when connecting to a log stream with only READ authority. # If the request was IXGINVNT, the caller is not authorized for one of the following: # The log stream being updated or defined. 1 # The log stream named on the NEWSTREAMNAME parameter. # The structure specified. # The structure extracted from the log stream named on the LIKE parameter. # Requesting ZAI=YES for the log stream. Action: Logger returns information about the error in the answer area, mapped by IXGANSAA. Investigate the meaning of ANSAA_Diag1, ANSAA_Diag2 and ANSAA_Diag4. ANSAA_Diag1 contains the RACF or installation exit return code from the RACROUTE REQUEST=AUTH macro. ANSAA_Diag2 contains the RACF or installation exit reason code from the RACROUTE REQUEST=AUTH macro. ANSAA_Diag4 contains the SAF return code from the RACROUTE REQUEST=AUTH macro. Information on the RACROUTE macro can be found in publication "z/OS Security Server RACROUTE Macro Reference". @PGA Do one of the following: # For an IXGCONN request, either define UPDATE SAF authorization to the log stream or specify AUTH=READ. If authorization was already defined, then either it needs to be changed to allow UPDATE access to the log stream or the application must be changed to specify AUTH=READ. # For an IXGINVNT request, define SAF authorization for any log streams and structures specified. If the ZAI keyword is provided, then ensure the appropriate access is established for using it. If you received this reason code from IXCMIAPU, see message IXG033E.
0	(0)	BITSTRING	0	IXGRSNCODEBADBUFSIZE	"X'0000080E" IXGINVNT request. Explanation: Program error. The log stream name specified on a define request or the new log stream name on an update request had already been defined in the LOGR inventory couple data set. Action: Do one of the following: # Use the existing definition for the log stream. # Change the name of the log stream being defined on a define request or the new stream name for an update request. # Delete the existing log stream definition from the inventory and then re-issue the IXGINVNT request to re-define it. If you received this reason code from IXCMIAPU, see message IXG012E.
0	(0)	BITSTRING	0	IXGRSNCODESTREAMINUSE	"X'0000080F" IXGBRWSE, IXGQUERY requests. Explanation: Program error. Here, 'BUFFER' can mean either the BUFFER or BUFFER64 keyword. The buffer specified on the BUFFER parameter is not large enough to contain the data being returned. For IXGBRWSE, the buffer area is not large enough to contain the next log block in the logstream. No log block data is returned. For IXGQUERY, the buffer area must be at least as large as the length of the IXGQBUF or IXGQZBUF mapping macro (based on the query request). Action: Obtain a buffer large enough to hold the data being returned and redrive the request. For IXGBRWSE, obtain a buffer of at least the length returned in the BLKSIZE parameter, then re-issue the request. For IXGQUERY, obtain a buffer the length of IXGQBUF or IXGQZBUF (as appropriate) and redrive the request.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTRNAME	"X'00000810" IXGINVNT requests. Explanation: Environment error. You cannot alter or delete a log stream while an application is connected to it. Some attributes can be updated while there are connections provided the appropriate LOGR CDS and release levels are in effect. Action: Re-issue the request when there are no active connections to the log stream. Or move to the appropriate release and LOGR CDS format level. If you received this reason code from IXCMIAPU, see message IXG014E.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODELOGSTREAMRECOVERYFAILED	"X'00000811" IXGCONN, IXGINVNT requests. Explanation: Environment error. The structure name specified on the STRUCTNAME parameter is not defined in the CFRM policy. Action: Make sure that the structure you want to specify is defined in the CFRM policy. Note: No longer returned as of z/OS 1/5.
0	(0)	BITSTRING	0	IXGRSNCODELOGSTREAMDELETED	"X'00000812" IXGCONN request. Explanation: Environment error. The log stream could not be recovered so the connection attempt failed. The system issues message IXG210E and/or IXG211E along with message IXG231I providing further information about the error. Action: If the problem persists, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center.
0	(0)	BITSTRING	0	IXGRSNCODENOTAVAILFORIPL	"X'00000813" IXGCONN request. Explanation: Environment error. The request to connect to the specified log stream failed because the log stream is being deleted. Action: Re-define the log stream in the LOGR policy and then re-issue the connect request.
0	(0)	BITSTRING	0	IXGRSNCODENOTENABLED	"X'00000814" IXGCONN, IXGWRITE, IXGIMPRT, IXGBRWSE, IXGDELET, IXGINVNT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Environment error. The system logger address space is not available for the remainder of this IPL. The system issues messages about this error during system logger initialization. Action: See the explanation for system messages issued during system logger initialization.
0	(0)	BITSTRING	0	IXGRSNCODEBADANSLEN	"X'00000815" IXGCONN, IXGWRITE, IXGIMPRT, IXGBRWSE, IXGDELET, IXGINVNT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Program error. The program issuing the request is not enabled for I/O and external interrupts, so the request fails. Action: Make sure the program issuing the request is enabled for I/O and external interrupts.
0	(0)	BITSTRING	0	IXGRSNCODEBADANSAREA	"X'00000816" IXGCONN, IXGWRITE, IXGIMPRT, IXGBRWSE, IXGDELET, IXGINVNT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Program error. The answer area length (ANSLEN parameter) is not large enough. The system logger returned the required size in the Ansaas_Preferred_Size field of the answer area, mapped by IXGANSAA macro. Action: Re-issue the request, specifying an answer area of the required size.
0	(0)	BITSTRING	0	IXGRSNCODEBADBLOCKIDSTOR	"X'00000817" IXGWRITE, IXGIMPRT, IXGQUERY, IXGBRWSE, IXGDELET & IXGINVNT IXGOFFLD, IXGUPDAT requests. Explanation: Program error. The storage area specified on the ANSAREA parameter cannot be accessed. This may occur after the system logger address space has terminated. Action: Specify storage that is in the caller's primary address space and in the same key as the calling program at the time the system logger service was issued. This storage must be accessible until the request completes.
0	(0)	BITSTRING	0	IXGRSNCODESRBMODE	"X'00000818" IXGWRITE & IXGBRWSE requests. Explanation: Program error. The storage area specified by BLOCKID cannot be accessed. Action: Ensure that the storage area is accessible to system logger for the duration of the request. The storage must be addressable in the caller's primary address space and in the same key as the caller.
0	(0)	BITSTRING	0	IXGRSNCODEMAXSTREAMCONN	"X'00000819" IXGCONN, IXGIMPRT & IXGINVNT IXGQUERY, IXGOFFLD & IXGUPDAT requests. Explanation: Program error. The calling program is in SRB mode, but task mode is the required dispatchable unit mode for this system logger service. Action: Make sure the calling program is in task mode.
0	(0)	BITSTRING	0	IXGRSNCODEPRIMARYNOTHOME	"X'0000081A" IXGCONN & IXGINVNT requests. Explanation: Environment error. This system has reached the limit for the maximum number of log streams that can be concurrently active. One of the following is true: - The limit of 16,384 concurrently active DASDONLY log streams per system has been reached. For this case, the Answer Area field DIAG1 will contain 16,384. - Either the PRODUCTION or TEST GROUP can not connect to any more log streams. Message IXG075E or IXG076I is issued. In this case, the Answer Area field DIAG1 will contain the number of structures that are in use for this GROUP. - The TEST GROUP has previously failed and a request has been made to define a logstream with GROUP(TEST). Message IXG074I has been previously issued. In this case, the Answer Area field DIAG1 will contain 0. - A Log stream delete can not be processed because Logger needs to perform an internal connect to the Log stream to complete the delete but no more connections are allowed. Action: Your work load may need to be planned to either consolidate log streams or balance system activity such that fewer log streams are needed during this time frame.

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODENOTAUTHFUNC	"X'0000081B" IXGCONN, IXGINVNT, IXGQUERY requests. Explanation: Program error. The primary address space does not equal the home address space. Action: Make sure that the primary address space equals the home address space when issuing this system logger service.
0	(0)	BITSTRING	0	IXGRSNCODERMNAMEBADSTATE	"X'0000081C" IXGWRITE, IXGDELETE, IXGOFFLD, IXGUPDAT requests. Explanation: Program error. The program connected to the log stream with the AUTH=READ parameter and then tried to delete or write data. You cannot write or delete data when connected with read authority. Action: Issue the IXGCONN service with AUTH=WRITE authority and then re-issue this request.
0	(0)	BITSTRING	0	IXGRSNCODEXESSTRNOTAUTH	"X'0000081D" IXGCONN requests Explanation: Program error. The program is attempting to connect to the log stream with the RMNAME keyword specified but is not executing system key, supervisor state. Action: Change to system key, supervisor state before issuing the connect request
0	(0)	BITSTRING	0	IXGRSNCODEXCDSERROR	"X'0000081E" IXGCONN and IXGINVNT requests. Explanation: Environment Error. The system logger address space does not have access authority to the coupling facility structure associated with the log stream specified. Action: Make sure the system logger address space has SAF access to the structure.
0	(0)	BITSTRING	0	IXGRSNCODEXCDSEERROR	"X'0000081F" IXGINVNT, IXGCONN and IXGDELETE requests. Explanation: System error. System logger encountered an internal problem while processing the LOGR couple data set. Action: Contact the IBM Support Center. Provide the return and reason code and the contents of the answer area (ANSAREA field).
0	(0)	BITSTRING	0	IXGRSNCODEBADMODELCONN	"X'00000820" IXGCONN request. Explanation: Program error. The program issued an IXGCONN request to connect to a log stream that was defined as a model in the LOGR policy. You cannot connect to a model log stream. Action: Either change the definition of the specified structure so that it is not a model, or else request connection to a different log stream that is not a model.
0	(0)	BITSTRING	0	IXGRSNCODEDSPCREATEFAILED	"X'00000821" IXGINVNT request. Explanation: System error. A data space create failed during logger inventory processing. If you have received this reason code while running a job that uses the IXCMIAPU utility, then messages IXG002E and IXG003I will appear in your joblog. Investigating the diag fields in IXG003I may be helpful. Message IXG003I is documented in "z/OS MVS System Messages, Vol 10 (IXC-IZP)". If your application has received this reason code from the IXGINVNT macro, follow the action steps below. Action: IXGINVNT returns information about the error in the answer area, mapped by IXGANSAA. Investigate the meaning of ANSAA_Diag1 and ANSAA_Diag2. ANSAA_Diag1 contains the return code from the DSPSERV macro. ANSAA_Diag2 contains the reason code from the DSPSERV macro. The DSPSERV macro's return and reason codes are documented in "z/OS MVS Assembler Services Reference ABE-HSP". @PEC
0	(0)	BITSTRING	0	IXGRSNCODEBADHLQ	"X'00000822" IXGINVNT request. Explanation: Program error. The high level qualifier specified on the HLQ parameter was incorrect. Action: Specify a valid high level qualifier and re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODENOINVRECSpace	"X'00000823" IXGINVNT request. Explanation: Environment error. The LOGR couple data set cannot be updated because the maximum number of entries for the specified type has already been reached. Action: # Format a new LOGR couple data set using the IXCL1DSU utility. In the new LOGR couple data set either delete unused entries or increase the allowed number of entries on the LSR parameter (for log stream entries) or the LSTRR parameter (for coupling facility structure entries). # PSWITCH the current alternate LOGR couple data set to primary. # Add the new LOGR couple data set as alternate. # PSWITCH the new LOGR couple data set from alternate to primary. If you received this reason code from IXCMIAPU, see message IXG010E.
0	(0)	BITSTRING	0	IXGRSNCODEMAXSTREAMSTR	"X'00000824" IXGINVNT request. Explanation: Program error. A program issued IXGINVNT to associate a structure with a log stream, but the maximum number of log streams allowed (as defined on the LOGSNUM parameter) has been reached for the specified structure. Action: Either specify a structure that has not reached its LOGSNUM limit, or specify a larger LOGSNUM value on the definition for the structure. If you received this reason code from IXCMIAPU, see message IXG011E.
0	(0)	BITSTRING	0	IXGRSNCODESTRDEFINED	"X'00000825" IXGINVNT request. Explanation: Program error. The structure specified on the IXGINVNT request is already defined in the LOGR inventory couple data set. Action: Either use the existing structure definition, change the name of the structure being defined or delete the existing structure and re-define it. If you received this reason code from IXCMIAPU, see message IXG013E.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEBADLOGSNUM	"X'00000826" IXGINVNT request. Explanation: Program error. The LOGSNUM value specified for a structure definition was not within the valid range between 1 and 512. Action: Change the LOGSNUM value to be within the valid range. If you received this reason code from IXCMIAPU, see message IXG016E.
0	(0)	BITSTRING	0	IXGRSNCODENOSTRRECORD	"X'00000827" IXGINVNT request. Explanation: Program error. The coupling facility structure specified in the definition for a log stream is not defined in the LOGR inventory couple data set. Action: Either define the coupling facility structure before referencing it in a log stream definition, or specify an existing structure definition. If you received this reason code from IXCMIAPU, see message IXG018E.
0	(0)	BITSTRING	0	IXGRSNCODESTRRECORDINUSE	"X'00000828" IXGINVNT request. Explanation: Program error. The request to delete a structure definition from the LOGR inventory couple data set cannot be completed because several log stream definitions reference it. You cannot delete a structure definition until all the log streams associated with it have been deleted first. Action: Delete all the log streams associated with the structure you wish to delete, then re-issue the request. If you received this reason code from IXCMIAPU, see message IXG015E.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTGSTORCLAS	"X'00000829" IXGINVNT request. Explanation: Program error. The name specified on the STG_STORCLAS parameter is incorrect. Action: Change the staging data set storage class specified to meet the STG_STORCLAS syntax requirements.
0	(0)	BITSTRING	0	IXGRSNCODEBADLSSTORCLAS	"X'0000082A" IXGINVNT request. Explanation: Program error. The name specified on the LS_STORCLAS parameter is incorrect. Action: Change the log stream data set storage class specified to meet the LS_STORCLAS syntax requirements.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTREAMLIKE	"X'0000082B" IXGINVNT request. Explanation: Program error. The log stream name specified on the LIKE parameter was not valid. Action: Re-issue the request with a valid log stream name on the LIKE parameter. If you received this reason code from IXCMIAPU, see message IXG031E.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTRUCTNAME	"X'0000082C" IXGINVNT request. Explanation: Program error. The coupling facility structure name specified on the STRUCTNAME parameter is not valid. Action: Re-issue the request with a valid structure name on the STRUCTNAME parameter.
0	(0)	BITSTRING	0	IXGRSNCODEEXPIREDSTMTOKEN	"X'0000082D" IXGCONN, IXGBRWSE, IXGWRITE, IXGDELET, IXGIMPRT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Environment error. The stream token is no longer valid because the connector has been disconnected. Action: Re-connect to the logstream before issuing any functional requests.
0	(0)	BITSTRING	0	IXGRSNCODENOLOGRCDSAVAIL	"X'0000082E" IXGCONN, IXGINVNT, and SETLOGR command requests. Explanation: Environment error. The request failed because no LOGR couple data set (CDS) is available. The operator may be prompted via message IXG054A to either make a LOGR CDS available or to indicate that the current Logger request should be rejected. The operator specified that the current request should be rejected. Action: System logger services are unavailable until a LOGR couple data set (CDS) is made available. Refer to publication "MVS Setting Up a Sysplex" in section "Format the LOGR Couple Data Set and Make it Available to the Sysplex". Once the system logger is available using the couple data set, take the necessary steps to cause the function that issued the logger service to reattempt the request.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTGDATACLAS	"X'0000082F" IXGINVNT request. Explanation: Program error. The name specified on the STG_DATACLAS parameter is not valid. Action: Change the data class specified to meet the STG_DATACLAS syntax requirements.
0	(0)	BITSTRING	0	IXGRSNCODEBADLSDATACLAS	"X'00000830" IXGINVNT request. Explanation: Program error. The name specified on the LS_DATACLAS parameter is not valid. Action: Change the data class specified to meet the LS_DATACLAS syntax requirements.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTREAMNAME	"X'00000831" IXGINVNT, IXGCONN, SETLOGR command Requests. Explanation: Program error. The log stream name specified on the STREAMNAME or LSNAME parameter is not valid. Action: Re-issue the request with a valid log stream name parameter. If you received this reason code from IXCMIAPU, see message IXG021E.
0	(0)	BITSTRING	0	IXGRSNCODEBADSTGMGMTCLAS	

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEBADLSMGMTCLAS	"X'00000832" IXGINVNT request. Explanation: Program error. The name specified on the STG_MGMTCLAS parameter is not valid. Action: Change the staging data set management class specified to meet the STG_MGMTCLAS syntax requirements.
0	(0)	BITSTRING	0	IXGRSNCODEINVALIDLSSIZE	"X'00000833" IXGINVNT request. Explanation: Program error. The name specified on the LS_MGMTCLAS parameter is not valid. Action: Change the log stream data set management class specified to meet the LS_MGMTCLAS syntax requirements.
0	(0)	BITSTRING	0	IXGRSNCODEINVALIDSTGSIZE	"X'00000834" IXGINVNT request. Explanation: Program error. A non-zero LS_SIZE is specified, but is not in the range valid for a VSAM linear data set. Action: Either change the LS_SIZE or omit it from the DEFINE request to accept the default value. If you received this reason code from IXCMIAPU, see message IXG040E.
0	(0)	BITSTRING	0	IXGRSNCODEINVALIDSTGSIZE	"X'00000835" IXGINVNT request. Explanation: Program error. A non-zero STG_SIZE is specified, but is not in the range valid for a VSAM linear data set. Action: Either change the STG_SIZE or omit it from the DEFINE request to accept the default value. If you received this reason code from IXCMIAPU, see message IXG040E.
0	(0)	BITSTRING	0	IXGRSNCODEBADGAP	"X'00000836" IXGDELETE & IXGBRWSE requests. Explanation: Environment error. The request failed because the requested log data was unreadable. This condition could be caused by either an I/O error while attempting to read a log data set or a log data set deleted without using logger interfaces. Action: For an IXGBRWSE request, choose one of the following: # Continue processing. # Stop processing the log stream all together. # Attempt to get the problem rectified if possible, then attempt to re-read the log data. For an IXGDELETE request, the block identifier of the first accessible block toward the youngest data in the log stream is returned in the ANSAA_GAPS_NEXT_BLKID field in the answer area mapped by the IXGANSAA macro. If appropriate, re-issue the IXGDELETE request using this block identifier. This could also be a VSAM Shareoptions problem
0	(0)	BITSTRING	0	IXGRSNCODEBADTIMESTAMP	"X'00000837" IXGWRITE & IXGBRWSE requests. Explanation: Program error. The storage area specified by TIMESTAMP cannot be accessed. Action: Ensure that the storage area is accessible to the system logger service for the duration of the request. The storage must be addressable in the caller's primary address space and in the same key as the caller.
0	(0)	BITSTRING	0	IXGRSNCODEUNDEFMSCLAS	"X'00000838" IXGINVNT request. Explanation: Program error. At least one of the names specified for DATACLAS, MGMTCLAS, or STORCLAS is not defined to SMS. Action: Specify names that are defined to the active SMS configuration. If you received this reason code from IXCMIAPU, see message IXG007E.
0	(0)	BITSTRING	0	IXGRSNCODEBADCDLEVEL	"X'00000839" IXGINVNT request. Explanation: Environment error. The active primary TYPE=LOGR couple data set is not formatted at the level required to process the request. Action: Either format a new TYPE=LOGR couple data set at the required level and bring it into the sysplex as the active primary TYPE=LOGR couple data set and then retry the request or remove the keywords that require a new level couple data set then retry the request.
0	(0)	BITSTRING	0	IXGRSNCODERMNAMENOTALLOWED	"X'0000083A" IXGCONN request. Explanation: RMNAME keyword specified on the IXGCONN request but the log stream definition in inventory indicates a RMNAME is not allowed for the log stream. Action: Remove the RMNAME keyword from the IXGCONN request or update the log stream definition to include the RMNAME keyword.
0	(0)	BITSTRING	0	IXGRSNCODEBADBTOKENSTOR	"X'0000083B" IXGBRWSE requests. Explanation: Program error. The storage area specified by BROWSETOKEN cannot be accessed. Action: Ensure that the storage area is accessible to the system logger for the duration of the request. The storage must be addressable in the caller's primary address space and in the same key as the caller.
0	(0)	BITSTRING	0	IXGRSNCODEBADMAXBUFSIZE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'0000083C" IXGINVNT request. Explanation: Program error. For a DEFINE or UPDATE request, the value specified for MAXBUFSIZE was incorrect. It must be a value between 1 and 65,532. For an UPDATE request, either: - the value specified is less than the MAXBUFSIZE value currently associated with a DASD-only log stream, or - the current DASD-only MAXBUFSIZE value is greater than the MAXBUFSIZE value associated with the STRUCTNAME specified on the update request, or - the current structure MAXBUFSIZE value is greater than the MAXBUFSIZE value associated with the STRUCTNAME specified on the update request. Action: For a DEFINE request, specify a valid value for MAXBUFSIZE and re-issue the request. For an UPDATE request, either specify a value within the valid range for MAXBUFSIZE that is greater than or equal to the current DASD-only MAXBUFSIZE value, or ensure that the structure specified for the STRUCTNAME keyword has a maximum buffer size that is greater than or equal to the current MAXBUFSIZE value associated with the log stream specified on the update request. If you received this reason code from IXCMIAPU, see message IXG009E
0	(0)	BITSTRING	0	IXGRSNCODEBADECBSTOR	"X'0000083D" IXGWRITE, IXGBRWSE and IXGDELET requests. Explanation: Program error. The ECB storage area was not accessible to the system logger. Action: Ensure that the storage area is accessible to the system logger for the duration of the request. The storage must be addressable in the caller's home address space and in the same key as the caller.
0	(0)	BITSTRING	0	IXGRSNCODENOAVAILSYSREC	"X'0000083E" IXGINVNT requests. Explanation: System error. There were no available system records. Action: Contact the IBM support center. Provide the return and reason codes and the contents of the system logger trace.
0	(0)	BITSTRING	0	IXGRSNCODETESTARTERROR	"X'0000083F" IXGWRITE & IXGBRWSE & IXGIMPRT requests. Explanation: System error. An unexpected error was encountered while attempting to validate the buffer ALET. Action: See ANSAA_DIAG1 in the answer area mapped by the IXGANSAA macro for the return code from the TESTART system service.
0	(0)	BITSTRING	0	IXGRSNCODEBADVERSION	"X'00000840" IXGWRITE, IXGBRWSE, IXGDELET, IXGCONN, IXGINVNT, IXGIMPRT, IXGQUERY, IXGUPDAT and IXGFFLD, IXGUPDAT requests. Explanation: Environment error. The parameter list passed to the service routine had an invalid version indicator. Action: Ensure the level of MVS executing the request and the macro library used to compile the invoking routine are compatible
0	(0)	BITSTRING	0	IXGRSNCODEBADBUFFERALET	"X'00000841" IXGWRITE, IXGBRWSE & IXGIMPRT requests. Explanation: Program error. The buffer ALET specified is not zero and does not represent a valid entry on the caller's dispatchable unit access list (DUAL). See the ANSAA_DIAG1 field of the answer area, mapped by the IXGANSAA macro, for the return code from the TESTART system service. Action: Ensure that the correct ALET was specified. If not, provide the correct ALET. Otherwise, add the correct ALET to dispatchable unit access list (DUAL).
0	(0)	BITSTRING	0	IXGRSNCODEBADAVGBUFSIZE	"X'00000842" IXGINVNT request. Explanation: Program error. The value specified for AVGBUFSIZE was specified as incorrect. It must be a value between 1 and 65,532 that is less than MAXBUFSIZE. Action: Re-issue the request with a valid AVGBUFSIZE value. If you received this reason code from IXCMIAPU, see message IXG022E.
0	(0)	BITSTRING	0	IXGRSNCODEXCDSREFORMAT	"X'00000843" IXGINVNT & IXGCONN requests. Explanation: Program error. A couple data set record is not valid. Action: Reformat the system logger couple data set. If you received this reason code from IXCMIAPU, see message IXG030E.
0	(0)	BITSTRING	0	IXGRSNCODENOSTREAMLIKE	"X'00000844" IXGINVNT request. Explanation: Program error. The log stream name specified on the LIKE parameter is not defined in the LOGR couple data set. Action: Do one of the following: # Define the log stream you wish to reference in the LOGR inventory couple data set and re-issue the request. # Re-issue the request, specifying a different log stream that is already defined in the LOGR couple data set. If you received this reason code from IXCMIAPU, see message IXG019E.
0	(0)	BITSTRING	0	IXGRSNCODEINVALIDFUNC	

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEEMPTYSTREAM	"X'00000845" IXGINVNT & IXGBRWSE requests. Explanation: System error. One of 2 problems was detected. 1: The parameter list for this service contains an unrecognizable function code. The parameter list storage may have been overlaid. 2: The IXGBRWSE START is rejected because either: A. An unauthorized caller attempted to start a session when 100 or more browse sessions already exist for this connection. B. An unauthorized caller attempted to start a session when 20 or more browse sessions already exist that show no recent activity. (An unauthorized caller is a caller whose PSW Key is >= 8 and that is not in supervisor state). For Case 2: - DIAG1 in the Answer Area will contain 1 if 'A' is the case, and 2 if 'B' is the case. - DIAG2 will contain the number of browse sessions that was exceeded. Action: Correct the problem and then re-issue the request. It may be necessary to terminate some Browse sessions that are not being used.
0	(0)	BITSTRING	0	IXGRSNCODEEOFDELETE	"X'00000846" IXGBRWSE request. Explanation: Environment error. The log stream is empty. Action: Wait for data to be written to the log stream before browsing for data.
0	(0)	BITSTRING	0	IXGRSNCODEENDREACHED	"X'00000847" IXGBRWSE requests. Explanation: Environment error. The request prematurely reached the beginning or the end of the log stream. The portion of the log stream from the requested log data to either the beginning or the end of the log stream (depending on the direction of the read) was deleted from the log stream. Action: Determine whether this is an acceptable condition for your application. If so, ignore this condition. If not, provide serialization on the log stream or some other installation protocol to prevent deletes from being performed by other applications during a browse session.
0	(0)	BITSTRING	0	IXGRSNCODEBADBUFFKEY	"X'00000848" IXGBRWSE request. Explanation: Environment error. The request failed and no log data is returned. For a READCURSOR request, the end of the log stream has been reached in the direction of the read. If the SEARCH parameter was specified on a READBLOCK request, the time stamp is greater than any block in the log stream. Action: For the READCURSOR case, no more data exists in the log stream in the direction of the read. You may choose to stop reading, wait for more data to be written, or change the direction of the read. In the case where the SEARCH parameter was provided, ensure that the time stamp is less than or equal to the highest time stamp of a log block in the log stream.
0	(0)	BITSTRING	0	IXGRSNCODEEEOFGAP	"X'00000849" IXGWRITE, IXGBRWSE & IXGIMPRT requests. Explanation: Program error. The buffer key specified on the BUFFKEY parameter specifies an invalid key. Either the key is greater than 15 or the program is running in problem state and the specified key is not the same key as the PSW key at the time the system logger service was issued. Action: For problem state programs, either do not specify the BUFFKEY parameter or else specify the same key as the PSW key at the time the system logger service was issued. For supervisor state programs, specify a valid storage key (0 <= key <= 15).
0	(0)	BITSTRING	0	IXGRSNCODELOSSOFDATAGAP	"X'0000084A" IXGBRWSE, IXGDELET requests. Explanation: Environment error. The request prematurely reached the beginning or the end of the log stream. The portion of the log stream from the requested log data to either the beginning or the end of the log stream (depending on the direction of the read) was unreadable. This condition may be caused by either an I/O error while trying to read a log data set, or a log data set deleted without using logger interfaces. Action: The action necessary is completely up to the application depending on how critical your data is. You can do one of the following: # Accept this condition and continue reading. # Stop processing the log all together. # Attempt to get the problem rectified, if possible, and then attempt to re-read the log data. This could also be a VSAM Shareoptions problem.
0	(0)	BITSTRING	0	IXGRSNCODERMALREADYCONNECTED	"X'0000084B" IXGBRWSE & IXGDELET requests. Explanation: Environment error. The requested log data referenced a section of the log stream where log data is permanently missing. This condition occurs when a system or coupling facility is in recovery due to a failure, but not all of the log data in the log stream could be recovered. Action: If your application cannot tolerate any data loss, stop issuing system logger services to this log stream, disconnect from the log stream, and reconnect to a new, undamaged log stream. You can continue using the log stream if your applications can tolerate data loss. This could also be a VSAM Shareoptions problem.
0	(0)	BITSTRING	0	IXGRSNCODELOSSOFDATAEOF	"X'0000084C" IXGCONN requests. Explanation: The IXGCONN request specified the RMNAME keyword but the resource manager associated with the log stream is already connected to the log stream. Action: Correct probable logic error

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'0000084D" IXGBRWSE requests. Explanation: Environment error. The request prematurely reached the beginning or the end of the log stream. The portion of the log stream from the requested log data to either the beginning or the end of the log stream (depending on direction of the read) was permanently lost. This condition occurs when a system or coupling facility is in recovery due to a failure, but not all of the log data in the log stream could be recovered. Action: If your application cannot tolerate any data loss, stop issuing system logger services to this log stream, disconnect from the log stream, and reconnect to a new, undamaged log stream. You can continue using the log stream if your applications can tolerate data loss.
0	(0)	BITSTRING	0	IXGRSNCODESTRSPACETOOSMALL	"X'0000084E" IXGCONN, IXGINVNT & IXGWRITE requests. Explanation: Environment error. Structure resources are not available to satisfy the request. All structure resources are allocated as system logger control resources. This condition occurs when the structure resources are consumed by the logstreams connections. Action: Increase the size of the structure in the CFRM policy or use SETXCF ALTER support to dynamically increase the size of the structure.
0	(0)	BITSTRING	0	IXGRSNCODEINVALIDRMNAMESPECIFIED	"X'0000084F" IXGCONN requests. Explanation: The Resource Manager name specified on the IXGCONN request does not match the RMNAME specified for the log stream in inventory. Action: Change either the IXGCONN request or update the log stream's definition in inventory.
0	(0)	BITSTRING	0	IXGRSNCODEBADVECTORLEN	"X'00000850" IXGCONN & IXGINVNT requests. Explanation: Environment error. The connect request was rejected. System logger was unable to locate a vector table in the hardware system area (HSA) that is large enough for the number of log streams associated with it. Action: Add storage to the vector storage table and/or retry the connect request later, when storage might be available.
0	(0)	BITSTRING	0	IXGRSNCODEBADCFLEVEL	"X'00000851" IXGCONN & IXGINVNT requests. Explanation: Environment error. The connect request was rejected. The operational level of the coupling facility is not sufficient to support logger functions. Action: Ensure that the coupling facility operational level for logger structures is at least CFLEVEL=1.
0	(0)	BITSTRING	0	IXGRSNCODEBADBLKSIZESTOR	"X'00000852" IXGBRWSE request. Explanation: Program error. The storage area specified on the BLKSIZE parameter cannot be accessed. Action: Ensure that the storage area is accessible to system logger for the duration of the request.
0	(0)	BITSTRING	0	IXGRSNCODENOCF	"X'00000853" IXGCONN & IXGINVNT requests. Explanation: Environment error. The connect request was rejected. System logger could not allocate coupling facility structure space because no suitable coupling facility was available. Action: Check accompanying message IXG206I a list of the coupling facilities where space allocation was attempted and the reason why each attempt failed.
0	(0)	BITSTRING	0	IXGRSNCODEBADLOWOFFLOAD	"X'00000854" IXGINVNT request. Explanation: Program error. The value specified for LOWOFFLOAD is not valid. Action: Change the value to meet the LOWOFFLOAD syntax requirements. If you received this reason code from IXCMIAPU, see message IXG035E.
0	(0)	BITSTRING	0	IXGRSNCODEBADHIGHOFFLOAD	"X'00000855" IXGINVNT request. Explanation: Program error. The value specified for HIGHOFFLOAD is invalid. Action: Change the value to meet the HIGHOFFLOAD syntax requirements. If you received this reason code from IXCMIAPU, see message IXG036E.
0	(0)	BITSTRING	0	IXGRSNCODEBADLOWHIGHOFFLOAD	"X'00000856" IXGINVNT request. Explanation: Program error. The specified or pending high offload value must be greater than the specified or pending low offload value. The low offload value must be lower than the high offload value. Action: Change either the LOWOFFLOAD parameter or the HIGHOFFLOAD parameter so that the low offload value is less than the high offload value. If you received this reason code from IXCMIAPU, see messages IXG442E and either IXG035E or IXG036E.
0	(0)	BITSTRING	0	IXGRSNCODEDUPLEXMODEDUPLEXNO	"X'00000857" IXGINVNT request. Explanation: Program error. DUPLEXMODE was specified, but the log stream was defined with STG_DUPLEX=NO. The DUPLEXMODE parameter is only valid with STG_DUPLEX=YES. Action: Either change the log stream definition to specify STG_DUPLEX=YES or else omit DUPLEXMODE from the request. 2 If you received this reason code from IXCMIAPU, see message IXG037E.
0	(0)	BITSTRING	0	IXGRSNCODESTGSIZEDUPLEXNO	"X'00000858" IXGINVNT request. EXPLANATION: This reason code is obsolete and will no longer be returned. 7

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEDATACLASDUPLXNO	"X'00000859" IXGINVNT request. EXPLANATION: This reason code is obsolete and will no longer be returned. 7
0	(0)	BITSTRING	0	IXGRSNCODEMGMTCLASDUPLXNO	"X'0000085A" IXGINVNT request. EXPLANATION: This reason code is obsolete and will no longer be returned. 7
0	(0)	BITSTRING	0	IXGRSNCODESTORCLASDUPLXNO	"X'0000085B" IXGINVNT request. EXPLANATION: This reason code is obsolete and will no longer be returned. 5
0	(0)	BITSTRING	0	IXGRSNCODESDSDIRECTORYFULL	"X'0000085C" IXGWRITE & IXGIMPRT requests. Explanation: Environment error. The interim storage (i.e. the coupling facility structure space allocated or the staging data set space) for the log stream is full. Logger's attempts to offload the interim storage log data to DASD have failed because the log stream's data set directory is full. No further write requests can be processed until additional directory space is available for the log stream. Logger will periodically re-drive its offload attempts for this condition, which is applicable to both CF structure and DASD-only type log streams. If Logger is able to offload log data, then an ENF event will be issued informing the connectors that the log stream should be available for writing more log data. However, the time that passes before you can write to the log stream is unpredictable. The system issues related messages IXG257I, IXG261E, IXG262A and IXG301I. Action: The system programmer must make more log stream data set directory space available. You can retry your write request periodically or wait for the ENF signal that the log stream is available, or disconnect from this log stream and connect to another log stream. For information about how an authorized application program might respond to this reason code, see topic "Setting Up the System Logger Configuration" in the z/OS MVS Programming: Authorized Assembler Services Guide. For information about how an unauthorized application program might respond to this reason code, see the related topics in "IXGWRITE: Writing to a log stream" in the z/OS MVS Programming: Assembler Services Guide.
0	(0)	BITSTRING	0	IXGRSNCODEWOWERROR	"X'0000085D" IXGWRITE & IXGIMPRT requests. Explanation: Environment error. The interim storage (i.e. the coupling facility structure space allocated or the staging data set space) for the log stream is full. Logger's attempts to offload the interim storage log data to DASD have failed because of severe errors. No further write requests can be processed until the offload error condition is cleared. Logger will periodically re-drive its offload attempts for this condition, which is applicable to both CF structure and DASD-only type log streams. If Logger is able to offload log data, then an ENF event will be issued informing the connectors that the log stream should be available for writing more log data. However, the time that passes before you can write to the log stream is unpredictable. The system issues related message IXG301I. Action: The system programmer must correct the severe error condition inhibiting the log stream offload. If you are unable to correct the error, search problem reporting data bases for a fix for the problem. If no fix exists, contact the IBM Support Center. You can retry your write request periodically or wait for the ENF signal that the log stream is available, or disconnect from this log stream and connect to another log stream. For information about how an authorized application program might respond to this reason code, see topic "Setting Up the System Logger Configuration" in the z/OS MVS Programming: Authorized Assembler Services Guide. For information about how an unauthorized application program might respond to this reason code, see the related topics in "IXGWRITE: Writing to a log stream" in the z/OS MVS Programming: Assembler Services Guide.
0	(0)	BITSTRING	0	IXGRSNCODENOSTRUCTNAME	"X'0000085E" IXGINVNT request. Explanation: Program error. A structure name was not provided for this non-DASD only log stream via the STRUCTNAME parameter or defined for a log stream named on a LIKE parameter. A STRUCTNAME value is required to successfully define a log stream to the LOGR couple data set. Action: Provide a value for the STRUCTNAME parameter or define a structure for the log stream referenced on the LIKE parameter. If you received this reason code from IXCMIAPU, see message IXG041E.
0	(0)	BITSTRING	0	IXGRSNCODEPERCTOREQUESTOR	"X'0000085F" IXGBRWSE, IXGDELETE, IXGWRITE request. Explanation: Environment error. Percolation to the service requestor's task occurred because of an abend during system logger processing. Retry was not allowed. Action: Issue the request again. If the problem persists, contact the IBM Support Center.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>The following range of reason codes IXGRSNLOGSTREAMTEMPUNAVLB thru IXGRSNLOGSTREAMTEMPUNAVIL (860 - 88F) indicate that the log stream is temporarily unavailable.</p>					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNLOGSTREAMTEMPUNAVLB	"X'00000860" Explanation: The lower bound range value of log stream temporarily unavailable conditions.
0	(0)	BITSTRING	0	IXGRSNCODECFLOGSTREAMSTORFULL	"X'00000860" IXGWRITE, IXGIMPRT requests. Explanation: Environment error. The coupling facility structure space allocated for this log stream is full. No further requests can be processed until the log data in the coupling facility structure is offloaded to DASD log data sets. Action: Listen to the ENF signal 48 which will indicate that the log stream is available after the data has been offloaded to DASD and then re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODEREBUILDINPROGRESS	"X'00000861" IXGWRITE, IXGBRWSE, IXGDELET, IXGIMPRT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Environment error. No requests can be processed for this log stream because a coupling facility structure re-build or a system-managed duplexing re-build is in progress for the structure associated with this log stream. Action: Listen for ENF signal 48 that will indicate one of the following: # The log stream is available because the re-build completed successfully. Re-issue the request. # The re-build failed and the log stream is not available.
0	(0)	BITSTRING	0	IXGRSNCODEXESPURGE	"X'00000862" IXGWRITE, IXGBRWSE, IXGIMPRT, IXGDELET, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Environment error. An cross-system extended services (XES) request has been purged due to re-build processing. Action: Listen for ENF signal 48 that will indicate one of the following: # The log stream is available because the re-build completed successfully. Re-issue the request. # The re-build failed and the log stream is not available. .
0	(0)	BITSTRING	0	IXGRSNCODESTRUCTUREFAILED	"X'00000863" IXGCONN, IXGWRITE, IXGBRWSE, IXGDELET, IXGIMPRT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Environment error. Either the coupling facility structure associated with the log stream has failed or the coupling facility itself has failed. Action: Listen for ENF signal 48 that will indicate one of the following: # The log stream is available because the re-build completed successfully. Re-issue the request. # The re-build failed and the log stream is not available. .
0	(0)	BITSTRING	0	IXGRSNCODENOCONECTIVITY	"X'00000864" IXGCONN, IXGWRITE, IXGBRWSE, IXGDELET, IXGIMPRT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: Environment error. No connectivity exists to the coupling facility associated with the log stream. The system logger will either attempt to re-build the log stream in another coupling facility or the log stream will be disconnected. Action: Listen for ENF signal 48 that will indicate one of the following: # The log stream is available because the re-build completed successfully. Re-issue the request. # The re-build failed and the log stream is not available. # The log stream has been disconnected from this system. If a re-build initiated due to a loss of of connectivity previously failed, an ENF corresponding to this reason code may not be issued. Further action by the installation may be necessary to cause the log stream status to change again. Check the log for messages IXG1011, IXG107I and related rebuild messages for information on resolving any outstanding issues.
0	(0)	BITSTRING	0	IXGRSNCODESTAGINGDSFULL	"X'00000865" IXGWRITE & IXGIMPRT requests. Explanation: Environment error. The staging data set allocated for this log stream on this system is full. No further requests can be processed until enough log data is offloaded to DASD log data sets to relieve the staging data set full condition. For log streams using a coupling facility structure, enough data must be offloaded from the structure. For DASDONLY log streams, enough data must be offloaded from the Logger local buffers to relieve the staging data set full condition. Action: Listen to the ENF signal 48 which will indicate that the log stream is available after room becomes available in the staging data set. Then, re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODESTRUCTUREFULL	"X'00000866" IXGCONN request. Explanation: Environment error. The coupling facility structure space is full. Action: Listen to the ENF signal 48 which will indicate that space is available for the structure after data has been offloaded to DASD and then re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODELOCALBUFFERFULL	

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODESTAGINGDSFORMAT	"X'00000867" IXGWRITE, IXGIMPRT requests. Explanation: Environment error. One of 2 conditions was detected. 1: The available local buffer space (data space storage) for the system logger address space is full. Ansaas_Diag1 and Ansaas_Diag2 in the Answer Area will contain 0 for this error return. 2: The IXGWRITE is rejected because a caller attempted to write log data while the outstanding asynchronous write activity for this connection was considered too high. The limit for unauthorized IXGWRITE invokers is 2,000 and the limit of 10,000 is used for authorized callers. An unauthorized caller is a caller whose PSW key is >= 8 and that is not in supervisor state. ANSAA_DIAG1 in the answer area will contain 1 for this error return for unauthorized callers and 2 for authorized callers. ANSAA_DIAG2 will contain the total number of outstanding write requests for this connection. No further write requests can be processed until the log data in the local buffer space is offloaded to DASD log data sets or this connector's prior IXGWRITE requests complete. Note: This reason code applies to both CF and DASD only log stream requests. Action: For authorized callers: Listen for the ENF signal 48 which will indicate that the log stream is available. With the first condition, logger issues the ENF signal after the data has been offloaded to DASD. With the second condition, logger issues the ENF signal 48 that the log stream is available once the number of in-flight authorized asynchronous writes is reduced below 85% of the limit. There will be no ENF signal issued when the unauthorized limit is relieved. For unauthorized callers: Wait for a short interval and then re-issue the request. If the attempts continue to fail or the ENF signal is not issued for an unacceptable period, consider notifying operations or disconnecting from the log stream.
0	(0)	BITSTRING	0	IXGRSNLOGSTREAMTEMPUNAVIL	"X'00000868" IXGWRITE, IXGIMPRT request. Explanation: Environment error. The staging data set allocated for this log stream on this system has not finished being formatted for use by System Logger. No further requests can be processed until the formatting completes. If this reason code is revealed as part of a system logger process other than IXGWRITE or IXGIMPRT, then the reason code indicates a prior I/O error to the staging data set occurred and the data set will not be available for use until a new instance is allocated and newly formatted. Action: Listen to the ENF signal 48 which will indicate that the log stream is available after formatting process is finished. Then, re-issue the request. For the prior I/O error case during logger processing, check for logger messages indicating the state of the operation.
0	(0)	BITSTRING	0	IXGRSNLOGSTREAMTEMPUNAVIL	"X'0000088F" Explanation: The upper bound limit of log stream temporarily unavailable.
Comment					
The following range of reason codes (890 - 8AF) indicate that the system logger services are temporarily unavailable.					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNCODEADDRSPACENOTAVAIL	"X'00000890" IXGINVNT, IXGCONN, IXGBRWSE IXGDELET, IXGWRITE, IXGIMPRT, IXGQUERY, IXGOFFLD, IXGUPDAT requests. Explanation: System error. The system logger address space failed and is not available. Action: Do not issue system logger requests. If you received this reason code from IXCMIAPU, see message IXG008E.
0	(0)	BITSTRING	0	IXGRSNCODEADDRSPACEINITIALIZING	"X'00000891" IXGINVNT, IXGCONN, IXGBRWSE IXGDELET, IXGWRITE, IXGIMPRT, IXGQUERY, IXGOFFLD, IXGUPDAT requests Explanation: System error. The system logger address space is not available because it is IPLing. Action: Listen for ENF signal 48, which will indicate when the system logger address space is available. Then do one of the following: # For an IXGINVNT or IXGCONN request, re-issue this request. # For an IXGBRWSE, IXGWRITE, or IXGDELET request, re-connect to the log stream, then re-issue this request. You can also listen for ENF signal 48, which will indicate if the system logger address space will not be available for the life of the IPL. In that case, do not issue system logger services. If you received this reason code from IXCMIAPU, see message IXG008E.
Comment					
The following range of reason codes IXGRSNLOGGERRESTEMPUNAVLB thru IXGRSNLOGGERRESTEMPUNAVHB (8B0 - 8CF) indicate that the system logger resources are temporarily unavailable.					
End of Comment					

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNLOGGERRESTEMPUNAVLB	"X'000008B0" Explanation: The lower bound range value of system logger resources being temporarily unavailable.
0	(0)	BITSTRING	0	IXGRSNCODESTRUCTURENOTAVAIL	"X'000008B0" IXGCONN, IXGINVNT Requests Explanation: Environment error. The request failed. The structure associated with the log stream is temporarily unavailable because either a coupling facility structure re-build is in progress, a system-managed duplexing re-build is in progress, a structure dump is in progress, or connections to the structure are being prevented. Action: Listen for ENF signal 48, which indicates that a coupling facility is available, and then retry the operation.
0	(0)	BITSTRING	0	IXGRSNLOGGERRESTEMPUNAVHB	"X'000008CF" Explanation: The upper bound range value of system logger resources being temporarily unavailable.
Comment					
The following range of reason codes (8D0 - 8D2) indicate that the user's environment is incorrect for the requested function					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNCODEPROBLEMSTATE	"X'000008D0" IXGBRWSE, IXGWRITE & IXGDELET IXGCONN requests. Explanation: Environment error: For IXGCONN, COMPLETEEXIT was specified on the connect request while the PSW was in problem state For IXGWRITE, IXGBRWSE and IXGDELET requests, the request wa issued in SRB mode, or SYNCEXIT was specified while the requestor was in problem state.
0	(0)	BITSTRING	0	IXGRSNCODEPROGRAMKEY	"X'000008D1" IXGBRWSE, IXGWRITE & IXGDELET IXGCONN requests. Explanation: Environment error: For IXGCONN, COMPLETEEXIT was specified on the connect request while the psw key was not a syste key (KEY 0-7) For IXGWRITE, IXGBRWSE and IXGDELET requests, The request wa issued in SRB mode or SYNCEXIT was specified while the requestor was not in a system key (Key 0-7)
0	(0)	BITSTRING	0	IXGRSNCODENOCOMPLETEEXIT	"X'000008D2" IXGWRITE & IXGDELET requests. Explanation: Program error. MODE=SYNCEXIT was specified but the log stream connection request did not identify a complete exit. Action: Either change this request to use a different MODE option or change the IXGCONN request for this log stream to identify a completion exit via the COMPLETEEXIT keyword.
0	(0)	BITSTRING	0	IXGRSNCODEFUNCNOTSUPPORTED	"X'000008D3" IXGBRWSE, IXGCONN & IXGQUERY requests. Explanation: Installation Error. An IXGCONN request specified the RMNAME or ImportConnect keyword. However, the Logger Inventory CDS is downlevel. An IXGQUERY was issued and the Logger Inventory CDS is downlevel. The options specified on the IXGBRWSE request are not supported on this system/maintenance level of Logger. Action: For IXGCONN and IXGQUERY requests bring all system in the sysplex up to the OS390R3 level, format an OS390R3 Inventory CDS and make it the primary CDS. For IXGBRWSE request, either install the level of Logger that provides the support for the requested function, or stop specifying the options that are not supported at this level.
0	(0)	BITSTRING	0	IXGRSNCODEBADRMNAME	"X'000008D4" IXGINVNT request. Explanation: Value given for the RMNAME keyword failed syntax validation. Action: Review the rules for naming a resource manager.
0	(0)	BITSTRING	0	IXGRSNCODEBADLSDDESC	"X'000008D5" IXGINVNT request. Explanation: Value given for the DESCRIPTION keyword failed syntax validation. Action: Review the rules for naming a resource manager.
0	(0)	BITSTRING	0	IXGRSNCODECONNTYPENOTALLOWED	"X'000008D6" IXGCONN Request. Explanation: Either one of the following occurred: 1. IMPORTCONNECT=YES specified and there is at least one active write connect in the sysplex. 2. IMPORTCONNECT=NO specified and there is an import connect active in the sysplex
0	(0)	BITSTRING	0	IXGRSNCODEREQUESTNOTALLOWED	"X'000008D7" IXGWRITE and IXGIMPRT Requests. Explanation: Program error. A write request was attempted while an import connect was active or an import was attempted while an import connect was not active
0	(0)	BITSTRING	0	IXGRSNCODEBADRETPD	"X'000008D8" IXGINVNT Request. Explanation: Program error. The value specified for RETPD was incorrect. It must be a value >= 0 and <= 52,124. Action: Specify a valid value for RETPD and re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODEBADIMPORTBLOCKID	

IXGCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEBADIMPORTTIMESTAMP	"X'000008D9" IXGIMPRT Request. Explanation: Program error. The block id specified on the import request was either less than the next expected block or the difference between the block id specified and the next expected block id was less than 40. Action: Specify a valid value for Block id and re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODEIMPORTINPROGRESS	"X'000008DA" IXGIMPRT Request. Explanation: Program error. The GMT timestamp specified on the import request was not greater than or equal to the GMT time stamp assigned to the last log block successfully imported. Action: Specify a valid value for GMT_TimeStamp and re-issue the request.
0	(0)	BITSTRING	0	IXGRSNCODEUPDATETIMESTAMPTOOSMALL	"X'000008DC" IXGIMPRT Request. Explanation: Program error. IXGIMPRT request is already in progress. Only one import operation for a given log stream can be in progress in any instance in time Action: Insure that a new import request is not initiated until the previous import request completes
0	(0)	BITSTRING	0	IXGRSNCODEUPDATENOOPTIONS	"X'000008DD" IXGUPDAT Request. Explanation: Program error. The replacement time stamp is less than list authority in list controls associated with the data list header assigned to the log stream Action: Insure that the replacement time stamp is greater than or equal to the time stamp maintained in list controls for the log stream
0	(0)	BITSTRING	0	IXGRSNCODEBADSTRUCTUPDATE	"X'000008DE" IXGUPDAT Request. Explanation: Program error. The IXGUPDAT macro was invoked with no options specified. Action: Invoke the IXGUPDAT macro specifying an at least one of the options supported
0	(0)	BITSTRING	0	IXGRSNCODESTGDUPLEXDASDONLY	"X'000008DF" IXGINVNT Request. Explanation: Program error. A structure name was specified on an update request to upgrade a log stream which is already using a coupling facility list structure. Action: Do not specify a STRUCTNAME on an update request for a non-DASD only log stream. Note: This reason code is no longer set since logstreams can now be updated to use a different coupling facility list structure
0	(0)	BITSTRING	0	IXGRSNCODEDUPLEXMODEDASDONLY	"X'000008E0" IXGINVNT request. Explanation: Program error. STG_DUPLEX was specified with DASDONLY=YES incorrectly. For DEFINE and UPDATE requests STG_DUPLEX=NO is not allowed for DASD only log streams. The STG_DUPLEX keyword is only changeable for coupling facility log streams, since DASD only log streams need to be unconditionally duplexed to staging data sets. Action: For DASD only log stream DEFINE and UPDATE requests specify STG_DUPLEX=YES or omit the STG_DUPLEX keyword. This error code may also result when using the IXCMIAPU DATA TYPE(LOGR) utility when the STG_DUPLEX option is specified for a DASD only log stream. (Refer to Logger error message IXG002E or IXG4471.)
0	(0)	BITSTRING	0	IXGRSNCODEDUPLEXMODEDASDONLY	"X'000008E1" IXGINVNT request. Explanation: Program error. DUPLEXMODE was specified with DASDONLY=YES incorrectly. For DEFINE and UPDATE requests DUPLEXMODE=COND and DUPLEXMODE=DRXRC are not allowed for DASD only log streams. The DUPLEXMODE keyword is only changeable for coupling facility log streams, since DASD only log streams need to be unconditionally duplexed to staging data sets. Action: For DASD only log stream DEFINE and UPDATE requests specify DUPLEXMODE=UNCOND or omit the DUPLEXMODE keyword. This error code may also result when using the IXCMIAPU DATA TYPE(LOGR) utility when the DUPLEXMODE option is specified for a DASD only log stream. (Refer to Logger error message IXG002E or IXG4471.)
0	(0)	BITSTRING	0	IXGRSNCODEDASDONLYCONNECTED	"X'000008E2" IXGCONN request. Explanation: Environment error: An attempt to connect to a DASD only log stream was rejected on this system because the log stream is already connected on another system in the sysplex. Action: Determine if the connection to the log stream on the 2nd system is necessary. If so, then cause the applications on the 1st system to disconnect from the log stream and then connect on the 2nd system.
0	(0)	BITSTRING	0	IXGRSNCODELOGSTREAMNOTSUPPORTED	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXGRSNCODEMAXBUFSIZEDASDONLY	"X'000008E3" IXGCONN & IXGINVNT requests. Explanation: Environment error: An attempt to connect or effect the LOGR inventory for the log stream is rejected on this system because the system release level does not support this type of log stream (e.g. this system does not support DASD only log streams, or a logstream attribute such as EHLQ, Duplexmode(Drxrc) or NewStreamName cannot be processed on this system release level). Action: When attempting to define, update or delete a DASD only log stream, you must do so on an HBB6603 or higher level system. When connecting to a DASD only log stream: determine if the connection to the log stream is necessary. If so, do one of the following: # Connect to the log stream on an HBB6603 or higher level system. # Update the log stream definition in the Logger inventory to use a Coupling Facility list structure (can only be done on an HBB6603 or higher system), then the pre-HBB6603 system can connect to the log stream. # Delete the log stream from the Logger inventory, re-define the log stream to use a list structure in the Logger inventory, then the pre-HBB6603 system can connect to the log stream. The log stream delete can be done on any system if the log stream had never been connected on any of the systems. If the log stream had been connected to at least once, then the delete will need to be done on an HBB6603 or higher level system. When attempting to connect or delete a log stream that has the EHLQ attribute, you must do so on at least a z/OS 1.3 system release level. If you must use a log stream with the DUPLEXMODE(DRXRC) attribute specified, make sure you do so from a system that is at z/OS HBB7720 release or higher. If you must use a log stream with the NEWSTREAMNAME attribute specified, make sure you do so from a system that is at z/OS HBB7730 release or higher.
0	(0)	BITSTRING	0	IXGRSNCODELOGGERDUPLEXDASDONLY	"X'000008E4" IXGINVNT request. Explanation: Program error. A value was specified for MAXBUFSIZE, but the log stream was defined as DASDONLY=NO. Action: Remove the MAXBUFSIZE parameter from the request or change the log stream definition to specify MAXBUFSIZE with a log stream that is defined with DASDONLY=YES. If you received this reason code from IXCMIAPU, see messages IXG433E and and IXG434E.
0	(0)	BITSTRING	0	IXGRSNCODEBADEHLQ	"X'000008E5" IXGINVNT request. Explanation: Program error. LOGGERDUPLEX was specified with DASDONLY=YES incorrectly. For DEFINE and UPDATE requests LOGGERDUPLEX=COND is not allowed for DASD only log streams. The LOGGERDUPLEX keyword is only changeable for coupling facility log streams, DASD only log streams need to be unconditionally duplexed to staging data sets. Action: For DASD only log stream DEFINE and UPDATE requests specify LOGGERDUPLEX=UNCOND or omit the LOGGERDUPLEX keyword. This error code may also result when using the IXCMIAPU DATA TYPE(LOGR) utility when the LOGGERDUPLEX option is specified for a DASD only log stream. (Refer to Logger error message IXG002E or IXG4471.)
0	(0)	BITSTRING	0	IXGRSNCODEEHLQTOOLONG	"X'000008E6" IXGINVNT Request. Explanation: Program error. The extended high level qualifier for the log stream data sets specified on the EHLQ parameter was incorrect. Could be from a syntax error or by specifying EHLQ and HLQ on the same request. Action: Specify a valid extended high level qualifier (EHLQ) or high level qualifier (HLQ) and re-issue the request. If you received this reason code from IXCMIAPU, see message IXG440E.
0	(0)	BITSTRING	0	IXGRSNCODEBADNEWSTREAMNAME	"X'000008E7" IXGINVNT Request. Explanation: Program error. The combined length of the extended high level qualifier (EHLQ value) and the log stream name (with a period delimiter) exceeds 35 characters. The combined length of the EHLQ value, the log stream name, and the logger suffix (with period delimiters) cannot exceed 44 characters. Action: Specify a valid extended high level qualifier (EHLQ) or high level qualifier (HLQ) and re-issue the request. If you received this reason code from IXCMIAPU, see message IXG441E.
0	(0)	BITSTRING	0	IXGRSNCODEBADGROUP	"X'000008E8" IXGINVNT request. Explanation: Program error. The log stream name specified on the NEWSTREAMNAME parameter was not valid. Action: Re-issue the request with a valid log stream name on the NEWSTREAMNAME parameter. If you received this reason code from IXCMIAPU, see message IXG031E.
0	(0)	BITSTRING	0	IXGRSNCODEBADGROUP	"X'000008E9" IXGINVNT request. Explanation: Program error. For DEFINE requests, the GROUP value is not allowed because the specified Structure is not the same GROUP. For UPDATE requests, the GROUP value is not allowed because the specified (or current) Structure is not the same GROUP. Action: Specify a valid GROUP value or use a different Structure that matches the desired GROUP value.

IXGCON Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Logger ABEND '1C5'x Reason codes					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNCODEBADTIME	"X'00040003" IXGIMPRT, IXGWRITE request. Explanation: Environment or application error. The time specified by the requestor or the time associated with the previous log block is in the future. Possible system time problem. Action: For IXGIMPRT, make sure the time specified is correct. For IXGWRITE, contact the system programmer, and if the problem persists, contact the IBM Support Center.
Comment					
@LJA					
End of Comment					
0	(0)	BITSTRING	0	IXGRSNCODEMASK	"X'0000FFFF" Reason code mask

IXGCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGRETCODECOMPERROR	0	C	IXGRSNCODEBADHIGHOFFLOAD	0	855
IXGRETCODEERROR	0	8	IXGRSNCODEBADHLQ	0	822
IXGRETCODEOK	0	0	IXGRSNCODEBADIMPORTBLOCKID	0	8D9
IXGRETCODEWARNING	0	4	IXGRSNCODEBADIMPORTTIMESTAMP	0	8DA
IXGRSNCODEADDRSPACEINITIALIZING	0	891	IXGRSNCODEBADLOGSNUM	0	826
IXGRSNCODEADDRSPACENOTAVAIL	0	890	IXGRSNCODEBADLOWHIGHOFFLOAD	0	856
IXGRSNCODEALLOCERROR	0	805	IXGRSNCODEBADLOWOFFLOAD	0	854
IXGRSNCODEBADANSAREA	0	817	IXGRSNCODEBADLSDATACLAS	0	830
IXGRSNCODEBADANSLEN	0	816	IXGRSNCODEBADLSDESC	0	8D5
IXGRSNCODEBADAVGBUFSIZE	0	842	IXGRSNCODEBADLSMGMTCLAS	0	833
IXGRSNCODEBADBLKSIZESTOR	0	852	IXGRSNCODEBADLSSTORCLAS	0	82A
IXGRSNCODEBADBLOCKIDSTOR	0	818	IXGRSNCODEBADMAXBUFSIZE	0	83C
IXGRSNCODEBADBRWTKEN	0	807	IXGRSNCODEBADMODELCONN	0	820
IXGRSNCODEBADBTOKENSTOR	0	83B	IXGRSNCODEBADNEWSTREAMNAME	0	8E8
IXGRSNCODEBADBUFFER	0	803	IXGRSNCODEBADPARMLIST	0	801
IXGRSNCODEBADBUFFERALET	0	841	IXGRSNCODEBADRETPD	0	8D8
IXGRSNCODEBADBUFFKEY	0	849	IXGRSNCODEBADRMNAME	0	8D4
IXGRSNCODEBADBUFSIZE	0	80F	IXGRSNCODEBADSTGDATACLAS	0	82F
IXGRSNCODEBADDCDSLEVEL	0	839	IXGRSNCODEBADSTGMGMTCLAS	0	832
IXGRSNCODEBADDCFLEVEL	0	851	IXGRSNCODEBADSTGSTORCLAS	0	829
IXGRSNCODEBADECBSTOR	0	83D	IXGRSNCODEBADSTMTOKEN	0	806
IXGRSNCODEBADEHLQ	0	8E6	IXGRSNCODEBADSTREAMLIKE	0	82B
IXGRSNCODEBADGAP	0	836	IXGRSNCODEBADSTREAMNAME	0	831
IXGRSNCODEBADGROUP	0	8E9	IXGRSNCODEBADSTRNAME		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGRSNCODEBADSTRUCTNAME	0	811	IXGRSNCODELOGSTREAMRECOVERYFAILED	0	8E3
IXGRSNCODEBADSTRUCTUPDATE	0	82C	IXGRSNCODELOSSOFDATAEOF	0	812
IXGRSNCODEBADTIME	0	8DF	IXGRSNCODELOSSOFDATAGAP	0	84D
IXGRSNCODEBADTIMESTAMP	0	40003	IXGRSNCODEMASK	0	84B
IXGRSNCODEBADVECTORLEN	0	837	IXGRSNCODEMAXBUFSIZEDASONLY	0	FFFF
IXGRSNCODEBADVERSION	0	850	IXGRSNCODEMAXSTREAMCONN	0	8E4
IXGRSNCODEBADWRITESIZE	0	840	IXGRSNCODEMAXSTREAMSTR	0	81A
IXGRSNCODECFLOGSTREAMSTORFULL	0	809	IXGRSNCODEMAXSTREAMSTR	0	824
IXGRSNCODECONNECTREBUILD	0	860	IXGRSNCODEMGMTCLASDUPLXNO	0	85A
IXGRSNCODECONNPOSSIBLELOSSOFDATA	0	406	IXGRSNCODEMULTIBLOCKERRORWARNING	0	417
IXGRSNCODECONNTYPENOTALLOWED	0	407	IXGRSNCODENOAVAILSYSREC	0	83E
IXGRSNCODEDASONLYCONNECTED	0	8D6	IXGRSNCODENOBLOCK	0	804
IXGRSNCODEDATACLASDUPLXNO	0	8E2	IXGRSNCODENOCF	0	853
IXGRSNCODEDISCONNECTINPROGRESS	0	859	IXGRSNCODENOCOMLETEEXIT	0	8D2
IXGRSNCODESDIRECTORYFULL	0	404	IXGRSNCODENOCCONNECTIVITY	0	864
IXGRSNCODESDIRECTORYFULLWARNING	0	85C	IXGRSNCODENNOINVRECSPACE	0	823
IXGRSNCODESDIRECTORYFULLWARNING	0	408	IXGRSNCODENOLOGRCDSAVAIL	0	82E
IXGRSNCODESDPCREATEFAILED	0	821	IXGRSNCODENOSAFAUTH	0	80D
IXGRSNCODEDUPLEXFAILUREWARNING	0	40A	IXGRSNCODENOSTREAM	0	80B
IXGRSNCODEDUPLEXMODEDASONLY	0	8E1	IXGRSNCODENOSTREAMLIKE	0	844
IXGRSNCODEDUPLEXMODEDUPLEXNO	0	857	IXGRSNCODENOSTRRECORD	0	827
IXGRSNCODEEHLQTOOLONG	0	8E7	IXGRSNCODENOSTRUCTNAME	0	85E
IXGRSNCODEEMPTYSTREAM	0	846	IXGRSNCODENOTAUTHFUNC	0	81C
IXGRSNCODEENDREACHED	0	848	IXGRSNCODENOTAVAILFORIPL	0	814
IXGRSNCODEEOFDELETE	0	847	IXGRSNCODENOTENABLED	0	815
IXGRSNCODEEOFGAP	0	84A	IXGRSNCODEOK	0	0
IXGRSNCODEEXPIREDSTMTOKEN	0	82D	IXGRSNCODEPERCTOREQUESTOR	0	85F
IXGRSNCODEFUNCNOTSUPPORTED	0	8D3	IXGRSNCODEPRIMARYNOTHOME	0	81B
IXGRSNCODEIMPORTINPROGRESS	0	8DC	IXGRSNCODEPROBLEMSTATE	0	8D0
IXGRSNCODEINVALIDFUNC	0	845	IXGRSNCODEPROCESSEDASYNCH	0	401
IXGRSNCODEINVALIDLSSIZE	0	834	IXGRSNCODEPROGRAMKEY	0	8D1
IXGRSNCODEINVALIDDRMNAMESSPECIFIED	0	84F	IXGRSNCODEREBUILDINPROGRESS	0	861
IXGRSNCODEINVALIDSTGSIZE	0	835	IXGRSNCODEREQUESTLOCKED	0	80A
IXGRSNCODEIOERROR	0	808	IXGRSNCODEREQUESTNOTALLOWED	0	8D7
IXGRSNCODELOCALBUFFERFULL	0	867	IXGRSNCODERMABENDED	0	411
IXGRSNCODELOGGERDUPLEXDASONLY	0	8E5	IXGRSNCODERMALREADYCONNECTED	0	84C
IXGRSNCODELOGSTREAMDELETED	0	813	IXGRSNCODERMBADGAP	0	40E
IXGRSNCODELOGSTREAMNOTSUPPORTED	0	813	IXGRSNCODERMBADRETCODE	0	415

IXGCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGRSNCODERMDISABLED	0	412	IXGRSNCODEXCDSREFORMAT	0	843
IXGRSNCODERMEOFAP	0	40F	IXGRSNCODEXESERROR	0	802
IXGRSNCODERMINVALIDBLOCKID	0	413	IXGRSNCODEXESPURGE	0	862
IXGRSNCODERMLOSSOFDATAGAP	0	410	IXGRSNCODEXESSTRNOTAUTH	0	81E
IXGRSNCODERMNAMEBADSTATE	0	81D	IXGRSNLOGGERRESTEMPUNAVHB	0	8CF
IXGRSNCODERMNAMENOTALLOWED	0	83A	IXGRSNLOGGERRESTEMPUNAVLB	0	8B0
IXGRSNCODERMNOBLOCK	0	40D	IXGRSNLOGSTREAMTEMPUNAVIL	0	88F
IXGRSNCODERMNOTCONNECTED	0	40B	IXGRSNLOGSTREAMTEMPUNAVLB	0	860
IXGRSNCODERMVERRIDEOK	0	40C			
IXGRSNCODERMSTOPPEDDELETE	0	414			
IXGRSNCODESRBMODE	0	819			
IXGRSNCODESTAGINGALLOCERROR	0	80C			
IXGRSNCODESTAGINGGDSFORMAT	0	868			
IXGRSNCODESTAGINGGDSFULL	0	865			
IXGRSNCODESTGDUPLEXDASONLY	0	8E0			
IXGRSNCODESTGSDUPLEXNO	0	858			
IXGRSNCODESTORCLASDUPLEXNO	0	85B			
IXGRSNCODESTRDEFINED	0	825			
IXGRSNCODESTREAMDEFINED	0	80E			
IXGRSNCODESTREAMINUSE	0	810			
IXGRSNCODESTRRECORDINUSE	0	828			
IXGRSNCODESTRSPACETOOSMALL	0	84E			
IXGRSNCODESTRUCTUREFAILED	0	863			
IXGRSNCODESTRUCTUREFULL	0	866			
IXGRSNCODESTRUCTURENOTAVAIL	0	8B0			
IXGRSNCODETESTARTERROR	0	83F			
IXGRSNCODEUNDEFMSCLAS	0	838			
IXGRSNCODEUPDATENEWNAMEWARNING	0	418			
IXGRSNCODEUPDATENOOPTIONS	0	8DE			
IXGRSNCODEUPDATETIMESTAMPTOOSMALL	0	8DD			
IXGRSNCODEWARNINGDEL	0	402			
IXGRSNCODEWARNINGGAP	0	403			
IXGRSNCODEWARNINGLOSSOFDATA	0	405			
IXGRSNCODEWARNINGMULTIBLOCK	0	416			
IXGRSNCODEWOWERROR	0	85D			
IXGRSNCODEWOWWARNING	0	409			
IXGRSNCODEXCDSERROR	0	81F			

IXGENF Information

IXGENF Programming Interface information

Programming Interface information

IXGENF

End of Programming Interface information

IXGENF Heading Information • IXGENF Map

IXGENF Heading Information

Common Name: Event Notification Facility Signal Parameter List
Macro ID: IXGENF
DSECT Name: IXGENF
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: ENF
 Offset: 0
 Length: 4 bytes
Storage Attributes: Key: 0
Size: IXGENF -- total of two sections:
 IxgenfCommon -- X'003C' (60 dec) bytes
 IxgenfUnion1 -- max of following:
 this IxgenfResMgrDisabled -- X'0046' (70 dec) bytes
 or IxgenfInventoryDefUpdate -- X'00E0' (224 dec) bytes
 or IxgenfInventoryDelete -- X'0032' (50 dec) bytes
 or IxgenfConnDisclInfo -- X'0074' (116 dec) bytes
 or IxgenfWrOffLoadInfo -- X'002A' (42 dec) bytes
 or IxgenfLogStreamNames -- X'001A' (26 dec) bytes
 times value in field
 IxgenfLogStreamCount
Created by: System Logger modules issuing an ?ENFREQ
 ACTION(SIGNAL) macro to send the ENF 48 signal
 to the registered listeners of ENF 48.
Pointed to by: On entry to the ENF listen exit, register 1 points
 to a word which contains the address of the
 IXGENF data area
Serialization: Serialized by the ENF component
Function: Mapping of parameter list passed to ENF listening
 routine to communicate MVS System Logger
 event information.

IXGENF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGENF	LOGR Event Notification Parameter List
0	(0)	CHARACTER	60	IXGENFCOMMON (0)	
0	(0)	CHARACTER	4	IXGENFACRONYM	Eyecatcher C'ENF '
4	(4)	CHARACTER	5	IXGENFCOMPONENT	Component Acronym Unused
9	(9)	CHARACTER	3		
12	(C)	BITSTRING	4	IXGENFEVENTS (0)	Event Flags
12	(C)	BITSTRING	1	IXGENFEVENTSBYTE0 (0)	
		1...		IXGENFSYSTEMLOGGERAVAIL	"X'80" MVS System Logger Services available.
		.1..		IXGENFSYSTEMLOGGERNOTAVAILFORIPL	"X'40" MVS System Logger Services are not available for the duration of this IPL. A Re-IPL of the system is necessary to activate MVS System Logger Services. See IxgenfEventReasons for the reasons why Logger is not available for this IPL.
		..1.		IXGENFLOGSTREAMSAVAILABLE	"X'20" Logstream resources mapped to the structure named in IxgenfStrname are available for use. See IxgenfEventReasons for the specific reason logstream resources for the affected logstreams are available.
		...1		IXGENFLOGSTREAMSNOTAVAILABLE	"X'10" Logstream resources mapped to the structure named in IxgenfStrname are not available for use. See IxgenfEventReasons for the specific reason logstream resources for the affected logstreams are not available.
		.... 1...		IXGENFLOGSTREAMRESOURCECHANGE	"X'08" A change in the state of the resources allocated to the logstreams listed has occurred.
		.... .1..		IXGENFSYSTEMLOGGERRESOURCECHG	"X'04" A change in the state of resources that the System Logger has interest in has occurred (i.e. coupling facility resource change)
		.... ..1.		IXGENFLOGSTREAMCONNDISC	"X'02" A connection to or a disconnection from a log has been successful in the sysplex
13	(D)	BITSTRING	1	IXGENFEVENTSBYTE1 (0)	
		1...		IXGENFLOGSTREAMDEFUPDATE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		IXGENFLOGSTREAMDELETE	"X'80" Either a log stream has been defined or its definition has been updated
		..1.		IXGENFLOGSTREAMOFFLOADCOMPLETE	"X'40" Log stream definition deleted from Logger inventory
		...1		IXGENFRMDISABLED	"X'20" A writer offload event for the log stream has completed
		.... 1...		IXGENFZAILOCCHG	"X'10" The resource manager associated with the log stream has been disabled because it abended and did not recover
					"X'08" System logger parameter options change occurred for ZAI SERVER and/or PORT values. Refer to IXGQUERY REQUEST=ZAILOCINFO and IXGQZBUF mapping for details.
14	(E)	BITSTRING	1	IXGENFEVENTSBYTE2	
15	(F)	BITSTRING	1	IXGENFEVENTSBYTE3	
16	(10)	BITSTRING	4	IXGENFEVENTREASONS (0)	Specific reasons that the events are being reported for.
16	(10)	BITSTRING	1	IXGENFEVENTREASONSBYTE0 (0)	
		1...		IXGENFSTRREBUILDSTART	"X'80" Structure Rebuild processing for a log stream has begun. Programs connected to an affected log stream are expected to cease invoking MVS System Logger functions. If any functions are invoked against an affected log stream, they are rejected. This reason is valid for event IxgenfLogstreamsNotAvailable
		.1..		IXGENFSTRREBUILDCOMPLETE	"X'40" Structure Rebuild processing for a log stream has completed. Programs may resume invoking MVS System Logger functions This reason is valid for event IxgenfLogstreamsAvailable.
		..1.		IXGENFSTRREBUILDFAILED	"X'20" Structure Rebuild processing has failed. Connections to the structure named in IxgenfStrName from this system are in a failed state. Requests for the affected log stream(s) are rejected. This reason is valid for event IxgenfLogstreamsNotAvailable
		...1		IXGENFSTAGINGDSSTORAGEAVAILABLE	"X'10" Reclamation of staging data set space has completed. Staging data set space is now available for use by the subject logstream. This reason is valid for event IxgenfLogstreamsAvailable.
		.... 1...		IXGENFLOGSTREAMSTORAGEAVAILABLE	"X'08" Migration of logstream data to DASD to reach the low threshold value of the current logstream storage consumption limit has completed. Coupling facility storage is now available for use by the subject logstream. This reason is valid for event IxgenfLogstreamsAvailable.
		.... .1..		IXGENFLOSSOFDATA	"X'04" A loss of data condition may exist for the affected logstream(s). This reason is valid for event IxgenfLogstreamResourceChange.
		.... ..1.		IXGENFCFRESOURCECHANGE	"X'02" A change in the state of coupling facility resources has occurred and reported by ENF 35. When the resource change is related to a specific coupling facility structure, IxgenfStrName will contain the name of the structure that was affected by the resource change. This reason is valid for event IxgenfSystemLoggerResourceChg.
		.... ...1		IXGENFXESRECOMMENDACTION	"X'01" A XES Recommend Action event was received by the MVS System Logger Structure Event Exit instructing System Logger to discontinue use (disconnect from) of the structure named in IxgenfStrName. The XES recommended action is based on installation specified SFM and CFRM policy values. Connections to the affected logstream(s) have been terminated by System Logger. This reason is valid for event IxgenfLogstreamsNotAvailable.
17	(11)	BITSTRING	1	IXGENFEVENTREASONSBYTE1 (0)	
		1...		IXGENFCOMPONENTERROR	"X'80" A system logger component error has occurred. The System Logger had to discontinue use (disconnect from) of the structure named in IxgenfStrName. Connections to the affected logstream(s) have been terminated by System Logger. This reason is valid for event IxgenfLogstreamsNotAvailable.
		.1..		IXGENFSTRRESOURCECHANGE	"X'40" Resources in the structure named in IxgenfStrName have become available. Requests that were rejected due to a structure resource shortage or structure full condition should be attempted again.
		..1.		IXGENFREQLOGRESNOTAVAIL	"X'20" Logger required resources are not available (e.g. staging dataset could not be allocated)
		...1		IXGENFLOGGERSNOTAVAILXCLOCAL	

IXGENF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		IXGENFLOGGERNOTAVAILNOSTART	"X'10" PLEXCFG=XCFLOCAL, not in sysplex mode. This reason is valid for event IxgenfSystemLo ggerNotAvailForIPL.
		.... .1..		IXGENFSETLOGRFORCEDISCONNECT	"X'08" IXGLOGR=NOSTART on LOGR subsys specification. This reason is valid for event IxgenfSystemLo ggerNotAvailForIPL.
		.... ..1.		IXGENFSYSTEMLEVELDISC	"X'04" Force Disconnect operation has been completed. This reason is only valid for event IxgenfLogstreamsNotAvailable.
		.... ...1		IXGENFSETLOGRFORCEDELETE	"X'02" The disconnect event is for a system level. It signals that the last disconnect for a log stream on this system has been completed.
18	(12)	BITSTRING	1	IXGENFEVENTREASONSBYTE2	"X'01" Force Delete operation has completed. The logstream referred to by IxgenfInventoryDelLogStreamName has been deleted from the LOGR Couple Data Set as a result of the command request. This reason is only valid for event IxgenfLogStreamDelete.
19	(13)	BITSTRING	1	IXGENFEVENTREASONSBYTE3	
20	(14)	BITSTRING	4	IXGENFEVENTSPECIFICINFO (0)	Event Specific Information that provides additional information about the reported event and the reason that the event is reported.
20	(14)	BITSTRING	1	IXGENFEVENTSPECIFICINFOBYTE0 (0)	
		1...		IXGENFSTRREBUILDFAILLOSSCONN	"X'80" This bit is only valid when IxgenfStrRebuildFailed is ON. Structure Rebuild processing has failed. A loss of connectivity to the structure named in IxgenfStrname has left this system with no coupling facility resources allocated to the affected log stream(s).
		.1..		IXGENFSTRREBUILDFAILSTRFAIL	"X'40" This bit is only valid when IxgenfStrRebuildFailed is ON. Structure Rebuild processing has failed. A structure failure to the structure named in IxgenfStrname has left this system with no coupling facility resources allocated to the affected log stream(s).
		..1.		IXGENFSTRREBUILDCFDUPLEX	"X'20" On = CF Auto-duplex rebuild is in progress
		...1		IXGENFLOSSOFCONNECTIVITY	"X'10" This bit is only valid when IxgenfXESrecommandaction is ON. The XES Recommend Action event was initiated due to a loss of connectivity between the coupling facility structure named in IxgenfStrName and the system that the ENF Listener exit that receives this parameter list is executing on.
		.... 1...		IXGENFLOGSTREAMDISCONNECTED	"X'08" This bit is only valid when IxgenfXESrecommandaction is ON, IxgenfComponentError is ON, or IxgSetLogrForceDisconnect is ON. Connections to the affected logstream(s) have been terminated by System Logger. The streamtoken that uniquely defined the connection has been invalidated. All connectors should clean up information related to the invalidated streamtoken.
		.... .1..		IXGENFSTGALLOCERR	"X'04" Staging Data set could not be allocated
21	(15)	BITSTRING	1	IXGENFEVENTSPECIFICINFOBYTE1	
22	(16)	BITSTRING	1	IXGENFEVENTSPECIFICINFOBYTE2	
23	(17)	BITSTRING	1	IXGENFEVENTSPECIFICINFOBYTE3	
24	(18)	CHARACTER	16	IXGENFSTRNAME	Structure name that is the subject of the event being signalled (not provided if the event is not structure related).
40	(28)	SIGNED	4	IXGENFLOGSTREAMCOUNT	Number of log streams that are connected to the structure and affected by the reported event
44	(2C)	CHARACTER	16		Unused - Available
60	(3C)	CHARACTER	1	IXGENFUNION1 (0)	
60	(3C)	CHARACTER	70	IXGENFRESMGRDISABLED (0)	Resource Manager exit has been disabled
60	(3C)	BITSTRING	8	IXGENFRESMGRGMTTIMESTAMP	Time stamp
68	(44)	CHARACTER	26	IXGENFRESMGRLOGSTREAMNAME	log stream name
94	(5E)	CHARACTER	8	IXGENFRESMGRNAME	Resource Manager associated with this log stream.
102	(66)	CHARACTER	8	IXGENFRESMGRDATA	Resource Manager Data.
110	(6E)	CHARACTER	16	IXGENFRESMGRLSDESCRIPTION	Description associated with the log stream

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
126	(7E)	CHARACTER	4	IXGENFRESMGRABENDCODE	Copy of SDWAABCC if an sdwa was available when the resource manager was disabled else binary zeroes
60	(3C)	CHARACTER	224	IXGENFINVENTORYDEFUPDATE (0)	Log stream define or update section
60	(3C)	CHARACTER	148	IXGENFINVENTORYDEFUPDATE1 (0)	Original portion of define update section
60	(3C)	BITSTRING	8	IXGENFINVENTORYGMTTIMESTAMP	Time stamp
68	(44)	CHARACTER	8	IXGENFINVENTORYSYSNAME	System name on which the define or update occurred
76	(4C)	CHARACTER	26	IXGENFINVENTORYLOGSTREAMNAME	Log stream name
102	(66)	BITSTRING	8	IXGENFINVENTORYLOGSTREAMDEFTIME	Set to binary zeroes for log streams defined or changed prior to OS390R3. For log streams defined when OS390R3 is installed, this field contains the define time. For log streams defined before OS390R3 and updated after OS390R3 is installed, this field contains the time of first update.
110	(6E)	CHARACTER	8	IXGENFINVENTORYRESMGRNAME	Resource Manager associated with this log stream. If binary zeroes, no resource mgr is associated with this log stream
118	(76)	CHARACTER	16	IXGENFINVENTORYSTRUCTNAME	CF structure name to which the log stream maps
134	(86)	BITSTRING	2	IXGENFINVENTORYFLAGS (0)	Flags
134	(86)	BITSTRING	1	IXGENFINVENTORYFLAGS0 (0)	Flags byte 0
		1...		IXGENFINVENTORYDEFINEREQ	"X'80" If set, request is to define a log stream
		.1.		IXGENFINVENTORYUPDATEREQ	"X'40" If set, request is to update the log stream definition
		..1.		IXGENFINVENTORYSTGDUPLEXYES	"X'20" If set, STG_DUPLEX=YES in effect. Refer to Duplexmode flags IxgenInventoryStgModeCond and IxgenInventoryStgModeDRXRC
		...1		IXGENFINVENTORYSTGMODECOND	"X'10" If set, DuplexMode=Cond in effect. If set off, then when IxgenInventoryStgModeDRXRC is also off, then DuplexMode=Uncond.
		.... 1...		IXGENFINVENTORYMODELYES	"X'08" If set, this is a log stream model definition
		.... .1..		IXGENFINVENTORYDASDONLYYES	"X'04" If set, this is a DASD only log stream definition
		.... ..1.		IXGENFINVENTORYLOGGERDUPLEXCOND	"X'02" If set, LOGGERDUPLEX=COND is in effect
		.... ...1		IXGENFINVENTORYEXT1	"X'01" If set, IxgenInventoryExt1Area section is provided in the Enf area
135	(87)	BITSTRING	1	IXGENFINVENTORYFLAGS1 (0)	Flags byte 1
		1...		IXGENFINVENTORYAUTODELETE	"X'80" If set, AutoDelete(Yes)
		.1.		IXGENFINVENTORYOFFRECALL	"X'40" If set, OffloadRecall(Yes)
		..1.		IXGENFINVENTORYSTGMODEDRXRC	"X'20" If set, DuplexMode=DRXRC in effect. Also see flag IxgenInventoryStgModeCond
136	(88)	CHARACTER	8	IXGENFINVENTORYSTGDATACLAS	Data class for staging data sets
144	(90)	CHARACTER	8	IXGENFINVENTORYSTGMGMTCLAS	Mgmt class for staging data sets
152	(98)	CHARACTER	8	IXGENFINVENTORYSTGSTORCLAS	Storage class for staging data sets
160	(A0)	CHARACTER	8	IXGENFINVENTORYLSDATACLAS	Data class for log stream data sets
168	(A8)	CHARACTER	8	IXGENFINVENTORYLSMGMTCLAS	Mgmt class for log stream data sets
176	(B0)	CHARACTER	8	IXGENFINVENTORYLSSTORCLAS	Storage class for log stream data sets
184	(B8)	SIGNED	4	IXGENFINVENTORYLOWOFFLOAD	Low offload threshold
188	(BC)	SIGNED	4	IXGENFINVENTORYHIGHOFFLOAD	

IXGENF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
192	(C0)	CHARACTER	16	IXGENFINVENTORYLSDESCRIPTION	High offload threshold
208	(D0)	CHARACTER	76	IXGENFINVENTORYEXT1AREA (0)	Logstream description
208	(D0)	BITSTRING	8	IXGENFINVENTORYPENDUPDFLAGS (0)	This area included in the Enf parameter area when IxgenInventoryExt1 is on
208	(D0)	BITSTRING	1	IXGENFINVENTORYPENDUPDFLAGS0 (0)	These flags indicate that the associated field is in a "Pending Update" state and not yet committed.
		1...		IXGENFINVENTORYRETPDPENDUPD "X'80"	Flags 0
		.1.		IXGENFINVENTORYAUODELETEPENDUPD "X'40"	
		..1.		IXGENFINVENTORYOFFLOADRECALLPENDUPD "X'20"	
		...1		IXGENFINVENTORYLSSIZEPENDUPD "X'10"	
		.... 1..		IXGENFINVENTORYLSDATACLASPENDUPD "X'08"	
		.... .1..		IXGENFINVENTORYLSMGMTCLASPENDUPD "X'04"	
		.... ..1.		IXGENFINVENTORYLSSTORCLASPENDUPD "X'02"	
		.... ...1		IXGENFINVENTORYLOWOFFLOADPENDUPD "X'01"	
209	(D1)	BITSTRING	1	IXGENFINVENTORYPENDUPDFLAGS1 (0)	Flags 1
		1...		IXGENFINVENTORYHIGHOFFLOADPENDUPD "X'80"	
		.1.		IXGENFINVENTORYSTGSIZEPENDUPD "X'40"	
		..1.		IXGENFINVENTORYSTGDATACLASPENDUPD "X'20"	
		...1		IXGENFINVENTORYSTGMGMTCLASPENDUPD "X'10"	
		.... 1..		IXGENFINVENTORYSTGSTORCLASPENDUPD "X'08"	
		.... .1..		IXGENFINVENTORYMAXBUFSIZEPENDUPD "X'04"	
		.... ..1.		IXGENFINVENTORYLOGGERDUPLEXPENDUPD "X'02"	
		.... ...1		IXGENFINVENTORYSTGDUPLEXYESPENDUPD "X'01"	
210	(D2)	BITSTRING	1	IXGENFINVENTORYPENDUPDFLAGS2 (0)	Flags 2
		1...		IXGENFINVENTORYDUPLXMODECONDPENDUPD "X'80"	
		.1.		IXGENFINVENTORYDUPLXMODEDRXCPENDUPD "X'40"	
211	(D3)	BITSTRING	5		
216	(D8)	SIGNED	4	IXGENFINVENTORYLSSIZE	LS_Size
220	(DC)	SIGNED	4	IXGENFINVENTORYSTGSIZE	Stg_Size
224	(E0)	SIGNED	4	IXGENFINVENTORYMAXBUFSIZE	MaxBufSize
228	(E4)	SIGNED	4	IXGENFINVENTORYFW1 (0)	
228	(E4)	BITSTRING	1		full word
229	(E5)	SIGNED	3	IXGENFINVENTORYRETPD	Reserved
232	(E8)	CHARACTER	33	IXGENFINVENTORYEHLQ	Retention period
265	(109)	CHARACTER	8	IXGENFINVENTORYGROUP	Ehlq/Hlq
273	(111)	CHARACTER	11	IXGENFINVENTORYRSVD	Group
					Reserved

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
60	(3C)	CHARACTER	50	IXGENFINVENTORYDELETE (0)	Log stream delete from inventory
60	(3C)	BITSTRING	8	IXGENFINVENTORYDELGMTTIMESTAMP	Time stamp
68	(44)	CHARACTER	8	IXGENFINVENTORYDELSYSNAME	System name on which the log stream delete occurred
76	(4C)	CHARACTER	26	IXGENFINVENTORYDELLOGSTREAMNAME	Log stream name
102	(66)	CHARACTER	8	IXGENFINVENTORYDELRESMGRNAME	Resource Manager Name
60	(3C)	CHARACTER	118	IXGENFCONNDISCINFO (0)	Successful connect to or disconnect from a log stream
60	(3C)	CHARACTER	8	IXGENFCONNDISCSYSNAME	System name on which the connect or disconnect occurred
68	(44)	BITSTRING	8	IXGENFCONNDISCGMTTIMESTAMP	Time stamp Set for both connect and disconnect events
76	(4C)	CHARACTER	26	IXGENFCONNDISCLOGSTREAMNAME	log stream name. Set for both connect and disconnect events
102	(66)	BITSTRING	8	IXGENFCONNDISCLOGSTREAMDEFTIME	Set to binary zeroes for log streams defined or changed prior to OS390R3. For log streams defined when OS390R3 is installed, this field contains the define time. For log streams defined before OS390R3 and updated after OS390R3 is installed, this field contains the time of first update.
110	(6E)	BITSTRING	8	IXGENFCONNDISCLOGSTREAMSTRVER (0)	Logical structure Version number of the CF structure associated with this log stream. Set for both ConnSuccess and DisconnSuccess events
110	(6E)	BITSTRING	8	IXGENFCONNDISCLOGSTREAMINSVER	Alternate name for DASD only log stream. STCK value when the log stream staging data set was allocated
118	(76)	CHARACTER	8	IXGENFCONNDISCRESMGRNAME	Resource Manager associated with this log stream. If binary zeroes, no RM is associated with the log stream. This is the resource manager name specified on the log stream's inventory record. To check if the resource manager is connected, check field IxgenfConnDiscResMgr- -Connected. Set for both connect and disconnect events
126	(7E)	CHARACTER	8	IXGENFCONNDISCRESMGRDATA	Resource Manager Data. Contains valid data only if IxgenfConnDiscResMgr- -Connected is set. Set for both connect and disconnect events
134	(86)	BITSTRING	1	IXGENFCONNDISCRESMGREVENTS (0)	Monitored events. Contains valid data only if IxgenfConnDiscResMgr- -Connected is set
		1...		IXGENFCONNDISCLBWRITES	"X'80" If set, the resource manager is monitoring log block write events
		.1..		IXGENFCONNDISCLBDELETES	"X'40" If set, the resource manager is monitoring log block delete events
135	(87)	BITSTRING	1	IXGENFCONNDISCFLAGS (0)	Additional flags
		1...		IXGENFCONNDISCAUTHREAD	"X'80" If set then AUTH=READ specified on the connect request. Set for successful connect requests.
		.1..		IXGENFCONNDISCAUTHWRITE	"X'40" If set then AUTH=WRITE specified on the connect request. Set for successful connect requests
		..1.		IXGENFCONNDISCRESMGRMANAGED	"X'20" If set, RENAME keyword specified on log stream definition
		...1		IXGENFCONNDISCRESMGRCONNECTED	"X'10" If set, resource manager is connected to the log stream. Valid for both connect and disconnect events
		.... 1..		IXGENFCONNDISCONNECT	"X'08" If set, this parmlist represents a connect request
		.... .1..		IXGENFCONNDISCDISCONNECT	"X'04" If set, this parmlist represents a disconnect request
		.... ..1.		IXGENFCONNDISCUSINGPHYSSTR	"X'02" On = using physical structure
		.... ...1		IXGENFCONNDISCUSINGPHYSSTR2	"X'01" On = using second physical structure
136	(88)	SIGNED	4	IXGENFCONNDISCNUMOFREADS	Number of read connections to this log stream. Set for both connect and disconnect events

IXGENF Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
140	(8C)	SIGNED	4	IXGENFCONNDISCNUMOFWRITES	Number of write connections to this log stream. Set for both connect and disconnect events
144	(90)	CHARACTER	16	IXGENFCONNDISCLSDESCRIPTION	LS Description data specified when the log stream was defined or its definition updated in inventory
160	(A0)	CHARACTER	16	IXGENFCONNDISCLCLOGSTREAMPHYSSTRSVERS (0)	Version numbers of physical structures
160	(A0)	CHARACTER	8	IXGENFCONNDISCLCLOGSTREAMPHYSSTRVER (0)	Physical structure version number of the CF structure associated with this log stream. Set for both ConnSuccess and DisconnSuccess events
160	(A0)	CHARACTER	8	IXGENFCONNDISCLCLOGSTREAMPHYSINSVER	Alternate name for DASD only log stream. STCK value when the log stream staging data set was allocated
168	(A8)	CHARACTER	8	IXGENFCONNDISCLCLOGSTREAMPHYSSTR2VER	Second physical structure version number of the CF structure associated with this log stream. Set for both ConnSuccess and DisconnSuccess events
176	(B0)	CHARACTER	2	IXGENFCONNDISCDISCONNINFO (0)	Last disconnect from the log stream on this system info.
176	(B0)	SIGNED	2	IXGENFCONNDISCCOUNT	The number of connections to this log stream in the sysplex. Set only when IxgenfSystemLevelDisc is on.
60	(3C)	CHARACTER	42	IXGENFWROFFLOADINFO (0)	Writer Offload has completed from Logger inventory
60	(3C)	BITSTRING	8	IXGENFWROFFLOADGMTTIMESTAMP	Time stamp
68	(44)	CHARACTER	26	IXGENFWROFFLOADLOGSTREAMNAME	log stream name
94	(5E)	CHARACTER	8	IXGENFWROFFLOADSAFEIMPORTPOINT	Highest log block id, that is no longer in the coupling facility
60	(3C)	CHARACTER	26	IXGENFLOGSTREAMNAMES	Name(s) of log streams that are connected to the structure and affected by the reported event
60	(3C)	X'D5C640'	0	IXGENFEYECATCHER	"C'ENF ""
60	(3C)	X'56'	0	IXGENF_LEN	""-IXGENF"

IXGENF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGENF	0		IXGENFCONNDISCLBDELETES	3C	
IXGENF_LEN	3C	56	IXGENFCONNDISCLBWRITES	86	40
IXGENFACRONYM	0		IXGENFCONNDISCLCLOGSTREAMDEFTIME	86	80
IXGENFCFRERESOURCECHANGE	10	2	IXGENFCONNDISCLCLOGSTREAMINSVER	66	
IXGENFCOMMON	0		IXGENFCONNDISCLCLOGSTREAMNAME	6E	
IXGENFCOMPONENT	4		IXGENFCONNDISCLCLOGSTREAMPHYSINSVER	4C	
IXGENFCOMPONENTERROR	11	80	IXGENFCONNDISCLCLOGSTREAMPHYSSTRSVERS	A0	
IXGENFCONNDISCAUTHREAD	87	80	IXGENFCONNDISCLCLOGSTREAMPHYSSTRVER	A0	
IXGENFCONNDISCAUTHWRITE	87	40	IXGENFCONNDISCLCLOGSTREAMPHYSSTR2VER	A8	
IXGENFCONNDISCONNECT	87	8	IXGENFCONNDISCLCLOGSTREAMSTRVER	6E	
IXGENFCONNDISCCOUNT	B0		IXGENFCONNDISCLSDESCRIPTION	90	
IXGENFCONNDISCDISCONNECT	87	4	IXGENFCONNDISCNUMOFREADS	88	
IXGENFCONNDISCDISCONNINFO	B0		IXGENFCONNDISCNUMOFWRITES	8C	
IXGENFCONNDISCLCLOGSTREAMPHYSSTRSVERS	87		IXGENFCONNDISCRESMGRCONNECTED		
IXGENFCONNDISCLCLOGSTREAMPHYSSTRVER	87				
IXGENFCONNDISCLCLOGSTREAMPHYSINSVER	87				
IXGENFCONNDISCLCLOGSTREAMNAME	87				
IXGENFCONNDISCLCLOGSTREAMSAFEIMPORTPOINT	87				
IXGENFCONNDISCLCLOGSTREAMNAMES	87				
IXGENFCONNDISCLCLOGSTREAMDEFTIME	87				
IXGENFCONNDISCLCLOGSTREAMINSVER	87				
IXGENFCONNDISCLCLOGSTREAMNAME	87				
IXGENFCONNDISCLCLOGSTREAMPHYSINSVER	87				
IXGENFCONNDISCLCLOGSTREAMPHYSSTRSVERS	87				
IXGENFCONNDISCLCLOGSTREAMPHYSSTRVER	87				
IXGENFCONNDISCLCLOGSTREAMPHYSSTR2VER	87				
IXGENFCONNDISCLCLOGSTREAMSTRVER	87				
IXGENFCONNDISCLSDESCRIPTION	87				
IXGENFCONNDISCNUMOFREADS	87				
IXGENFCONNDISCNUMOFWRITES	87				
IXGENFCONNDISCRESMGRCONNECTED	87				

Name	Hex Offset	Hex Value
	87	10
IXGENFCONNDISCRESMGRDATA	7E	
IXGENFCONNDISCRESMGREVENTS	86	
IXGENFCONNDISCRESMGRMANAGED	87	20
IXGENFCONNDISCRESMGRNAME	76	
IXGENFCONNDISCSYSNAME	3C	
IXGENFCONNDISCUSINGPHYSSTR	87	2
IXGENFCONNDISCUSINGPHYSSTR2	87	1
IXGENFEVENTREASONS	10	
IXGENFEVENTREASONSBYTE0	10	
IXGENFEVENTREASONSBYTE1	11	
IXGENFEVENTREASONSBYTE2	12	
IXGENFEVENTREASONSBYTE3	13	
IXGENFEVENTS	C	
IXGENFEVENTSBYTE0	C	
IXGENFEVENTSBYTE1	D	
IXGENFEVENTSBYTE2	E	
IXGENFEVENTSBYTE3	F	
IXGENFEVENTSPECIFICINFO	14	
IXGENFEVENTSPECIFICINFOBYTE0	14	
IXGENFEVENTSPECIFICINFOBYTE1	15	
IXGENFEVENTSPECIFICINFOBYTE2	16	
IXGENFEVENTSPECIFICINFOBYTE3	17	
IXGENFEYECATCHER	3C	D5C640
IXGENFINVENTORYAUTODELETE	87	80
IXGENFINVENTORYAUTODELETEPENDUPD	D0	40
IXGENFINVENTORYDASDONLYYES	86	4
IXGENFINVENTORYDEFINEREQ	86	80
IXGENFINVENTORYDEFUPDATE	3C	
IXGENFINVENTORYDEFUPDATE1	3C	
IXGENFINVENTORYDELETE	3C	
IXGENFINVENTORYDELGMTTIMESTAMP	3C	
IXGENFINVENTORYDELLOGSTREAMNAME	4C	
IXGENFINVENTORYDELRESMGRNAME	66	
IXGENFINVENTORYDELSYSNAME	44	
IXGENFINVENTORYDUPLXMODECONDPENDUPD	D2	80
IXGENFINVENTORYDUPLXMODEDRXRCPENDUPD	D2	40
IXGENFINVENTORYEHLQ	E8	

Name	Hex Offset	Hex Value
IXGENFINVENTORYEXT1	86	1
IXGENFINVENTORYEXT1AREA	D0	
IXGENFINVENTORYFLAGS	86	
IXGENFINVENTORYFLAGS0	86	
IXGENFINVENTORYFLAGS1	87	
IXGENFINVENTORYFW1	E4	
IXGENFINVENTORYGMTTIMESTAMP	3C	
IXGENFINVENTORYGROUP	109	
IXGENFINVENTORYHIGHOFFLOAD	BC	
IXGENFINVENTORYHIGHOFFLOADPENDUPD	D1	80
IXGENFINVENTORYLOGGERDUPLXCOND	86	2
IXGENFINVENTORYLOGGERDUPLXPENDUPD	D1	2
IXGENFINVENTORYLOGSTREAMDEFTIME	66	
IXGENFINVENTORYLOGSTREAMNAME	4C	
IXGENFINVENTORYLOWOFFLOAD	B8	
IXGENFINVENTORYLOWOFFLOADPENDUPD	D0	1
IXGENFINVENTORYLSDATACLAS	A0	
IXGENFINVENTORYLSDATACLASPENDUPD	D0	8
IXGENFINVENTORYLSDESCRIPTION	C0	
IXGENFINVENTORYLSMGMTCLAS	A8	
IXGENFINVENTORYLSMGMTCLASPENDUPD	D0	4
IXGENFINVENTORYLSSIZE	D8	
IXGENFINVENTORYLSSIZEPENDUPD	D0	10
IXGENFINVENTORYLSSTORCLAS	B0	
IXGENFINVENTORYLSSTORCLASPENDUPD	D0	2
IXGENFINVENTORYMAXBUFSIZE	E0	
IXGENFINVENTORYMAXBUFSIZEPENDUPD	D1	4
IXGENFINVENTORYMODELYES	86	8
IXGENFINVENTORYOFFLOADRECALLPENDUPD	D0	20
IXGENFINVENTORYOFFRECALL	87	40
IXGENFINVENTORYPENDUPDFLAGS	D0	
IXGENFINVENTORYPENDUPDFLAGS0	D0	
IXGENFINVENTORYPENDUPDFLAGS1	D1	
IXGENFINVENTORYPENDUPDFLAGS2	D2	
IXGENFINVENTORYRESMGRNAME	6E	
IXGENFINVENTORYRETPD	E5	
IXGENFINVENTORYRETPDPENDUPD	D0	80

IXGENF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGENFINVENTORYRYSVD			IXGENFRESMGRLSDESCRIPTION		
	111			6E	
IXGENFINVENTORYSTGDATACLAS			IXGENFRESMGRNAME		
	88			5E	
IXGENFINVENTORYSTGDATACLASPENDUPD			IXGENFRMDISABLED		
	D1	20		D	10
IXGENFINVENTORYSTGDUPEXYES			IXGENFSETLOGRFORCEDELETE		
	86	20		11	1
IXGENFINVENTORYSTGDUPEXYESPENDUPD			IXGENFSETLOGRFORCEDISCONNECT		
	D1	1		11	4
IXGENFINVENTORYSTGMGMTCLAS			IXGENFSTAGINGDSSTORAGEAVAILABLE		
	90			10	10
IXGENFINVENTORYSTGMGMTCLASPENDUPD			IXGENFSTGALLOCERR		
	D1	10		14	4
IXGENFINVENTORYSTGMODECOND			IXGENFSTRNAME		
	86	10		18	
IXGENFINVENTORYSTGMODEDRXRC			IXGENFSTRREBUILDCFDUPLEX		
	87	20		14	20
IXGENFINVENTORYSTGSIZE			IXGENFSTRREBUILDCOMPLETE		
	DC			10	40
IXGENFINVENTORYSTGSIZEPENDUPD			IXGENFSTRREBUILDFAILED		
	D1	40		10	20
IXGENFINVENTORYSTGSTORCLAS			IXGENFSTRREBUILDFAILLOSSCONN		
	98			14	80
IXGENFINVENTORYSTGSTORCLASPENDUPD			IXGENFSTRREBUILDFAILSTRFAIL		
	D1	8		14	40
IXGENFINVENTORYSTRUCTNAME			IXGENFSTRREBUILDSTART		
	76			10	80
IXGENFINVENTORYSYSNAME			IXGENFSTRRESOURCECHANGE		
	44			11	40
IXGENFINVENTORYUPDATEREQ			IXGENFSYSTEMLEVELDISC		
	86	40		11	2
IXGENFLOGGERNOTAVAILNOSTART			IXGENFSYSTEMLOGGERAVAIL		
	11	8		C	80
IXGENFLOGGERNOTAVAILXCLOCAL			IXGENFSYSTEMLOGGERNOTAVAILFORIPL		
	11	10		C	40
IXGENFLOGSTREAMCONNDISC			IXGENFSYSTEMLOGGERRESOURCECHG		
	C	2		C	4
IXGENFLOGSTREAMCOUNT			IXGENFUNION1		
	28			3C	
IXGENFLOGSTREAMDEFUPDATE			IXGENFWROFFLOADGMTTIMESTAMP		
	D	80		3C	
IXGENFLOGSTREAMDELETE			IXGENFWROFFLOADINFO		
	D	40		3C	
IXGENFLOGSTREAMDISCONNECTED			IXGENFWROFFLOADLOGSTREAMNAME		
	14	8		44	
IXGENFLOGSTREAMNAMES			IXGENFWROFFLOADSAFEIMPORTPOINT		
	3C			5E	
IXGENFLOGSTREAMOFFLOADCOMPLETE			IXGENFXESRECOMMENDACTION		
	D	20		10	1
IXGENFLOGSTREAMRESOURCECHANGE			IXGENFZAILOCCHG		
	C	8		D	8
IXGENFLOGSTREAMSAVAILABLE					
	C	20			
IXGENFLOGSTREAMSNOTAVAILABLE					
	C	10			
IXGENFLOGSTREAMSTORAGEAVAILABLE					
	10	8			
IXGENFLOSSOFCONNECTIVITY					
	14	10			
IXGENFLOSSOFDATA					
	10	4			
IXGENFREQLLOGRESNOTAVAIL					
	11	20			
IXGENFRESMGRABENDCODE					
	7E				
IXGENFRESMGRDATA					
	66				
IXGENFRESMGRDISABLED					
	3C				
IXGENFRESMGRGMTTIMESTAMP					
	3C				
IXGENFRESMGRLOGSTREAMNAME					
	44				

IXGQBUF Information

IXGQBUF Programming Interface information

Programming Interface information

IXGQBUF

End of Programming Interface information

IXGQBUF Heading Information • IXGQBUF Map

IXGQBUF Heading Information

Common Name: Query Buffer
Macro ID: IXGQBUF
DSECT Name: QBUF
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: Caller's storage or function dynamic storage
Size: Version 0
 72 bytes
 QBUF -- X'0048' bytes
 Version 1
 88 bytes
 QBUF -- X'0058' bytes
 Version 2
 168 bytes
 QBUF -- X'00A8' bytes
 Version 3 and 4
 200 bytes
 QBUF -- X'00C8' bytes
Created by: CALLER
Pointed to by: CALLER
Serialization: None required
Function: Maps information returned by IXGQUERY

IXGQBUF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	QBUF	Mapping of returned buffer when IXGQUERY requested
0	(0)	CHARACTER	68	QBUF_SECTION_BEGIN (0)	
0	(0)	SIGNED	4	QBUF_VERSION_NUMBER	Version number of this mapping
4	(4)	CHARACTER	8	QBUF_SAFE_IMPORT_POINT	All log blocks with a blockid less than or equal to this 8-byte integer can be safely imported into a log stream
12	(C)	CHARACTER	8	QBUF_STRUCT_VERSION_NUMBER (0)	Logical structure version number of the coupling facility being used to support this log stream
12	(C)	CHARACTER	8	QBUF_INSTANCE_VERSION_NUMBER	Alternate name
20	(14)	SIGNED	4	QBUF_CONTROL_INFO_SIZE	Number of bytes that System Logger adds to a log block written via the IXGWRITE service
24	(18)	CHARACTER	8	QBUF_LS_TIMESTAMP	8 Byte time stamp assigned to the log stream. If zero, no time stamp is assigned
32	(20)	CHARACTER	8	QBUF_NEXT_BLOCKID_TO_BE_ASSIGNED	Next log block id to be assigned when a log block is successfully written to the log stream. May change over a rebuild operation
40	(28)	CHARACTER	8	QBUF_CF_TIMESTAMP_VALUE	GMT Time stamp value maintained in the coupling facility for this log stream. The next log block written or imported to this log stream must have a GMT time stamp value >= to this value
48	(30)	BITSTRING 1...	1	QBUF_FLAGS (0) QBUF_AUTODELETE	Flag byte "X'80" ON, log stream data may be deleted whenever the retention period expires or whenever the data has been deleted via an IXGDELETE request. OFF, log data may be deleted only after the retention period expires and the data has been deleted via an IXGDELETE request. Only set if autodelete is supported by current logger cds level. If an update is pending, represents the pending state of the field.
		.1..		QBUF_LOSSOFDATA	"X'40" ON, the log stream has a lost log data. The range of log data the is affected is identified by QBUF_low_loss_of_data_blkid and QBUF_high_loss_of_data_blkid. OFF, the log stream has not encountered a loss of log data.
		..1.		QBUF_USING_PHYSICAL_STRUCT	"X'20" On = Using physical structure
		...1		QBUF_USING_PHYSICAL_STRUCT2	"X'10" On = Using second physical structure
		.... 1...		QBUF_LS_OFFLOAD_RETURNED	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
49	(31)	SIGNED	3	QBUF_RETPD	"X'08" Log stream definition HIGHOFFLOAD and LOWOFFLOAD are returned in fields QBUF_Ls_HighOffload QBUF_Ls_LowOffload Log stream data retention period. Only set if retention period is supported by current logger cds level. If an update is pending, represents the pending state of the field.

Comment

The following two fields represent the loss of data bounds for a log stream and are valid only when QBUF_LossOfData is ON. The following examples are meant to help explain the contents of these two fields, which are the "low loss of data bound" and the "high loss of data bound". Ex. 1 - assume the log stream has 8 log blocks, with block ids 1 thru 8 before a loss of data occurs and time increase as the block ids increase. BlkIDs in LS | 1 2 3 4 5 6 7 8 |. After a loss of data that causes log blocks 5 and 6 to be lost, the log stream looks like: BlkIDs in LS | 1 2 3 4 loss of data 7 8 |. IXGQUERY will return: QBUF_low_loss_of_data_blkid = 4 QBUF_high_loss_of_data_blkid = >8 where >8 means a block id that will be the first block ID to be assign to the first log block write after the loss of data occurs. Ex. 2 - assume the log stream has 8 log blocks, with block ids 1 thru 8 before a loss of data occurs and time increase as the block ids increase. BlkIDs in LS | 1 2 3 4 5 6 7 8 |. After a loss of data that causes log blocks 5 thru 8 to be lost, the log stream looks like: BlkIDs in LS | 1 2 3 4 loss of data |. IXGQUERY will return: QBUF_low_loss_of_data_blkid = 4 QBUF_high_loss_of_data_blkid = > 8 where > 8 means a block id that will be the first block ID to be assign to the first log block write after the loss of data occurs. Ex. 3 - assume the log stream has 8 log blocks, 1 thru 8 before a loss of data occurs and time increase as the block ids increase. BlkIDs in LS | 1 2 3 4 5 6 7 8 |. After a loss of data that causes log blocks 1 thru 8 to be lost, the log stream looks like: BlkIDs in LS | loss of data. |. IXGQUERY will return: QBUF_low_loss_of_data_blkid = < 1 where <1 means a block id that will be less than any block ID in the log stream. QBUF_high_loss_of_data_blkid = > 8 where >8 means a block id that will be the first block ID to be assign to the first log block write after the loss of data occurs.

End of Comment					
52	(34)	CHARACTER	8	QBUF_LOW_LOSS_OF_DATA_BLKID	If log stream has encountered a loss of data condition, this field contains a log block id just prior to (older than) the first occurrence of the loss of data range in the log stream. Note, as the prior examples indicate, there is no guaranteed that this block ID represents a valid log block ID in the log stream (see Ex. 3).
60	(3C)	CHARACTER	8	QBUF_HIGH_LOSS_OF_DATA_BLKID	If log stream has encountered a loss of data condition, this field contains a log block id just after (younger than) the loss of data range in the log stream. Note, as the prior examples indicate, there is no guaranteed that this block ID represents a valid log block ID in the log stream (see Ex. 2).
68	(44)	CHARACTER	4	QBUF_RESERVED	Insert filler bytes to insure QBUF section is a multiple of doublewords in length
72	(48)	CHARACTER	1	QBUF_SECTION_END (0)	End of Original QBUF section
72	(48)	CHARACTER	16	QBUF_VERSION1_SECTION_BEGIN (0)	Beginning of Version 1 data
72	(48)	CHARACTER	16	QBUF_PHYSICAL_STRUCT_VERSIONS (0)	
72	(48)	CHARACTER	16	QBUF_PHYSICAL_STRUCTS_VERSIONS (0)	
72	(48)	CHARACTER	8	QBUF_PHYSICAL_STRUCT_VERSION (0)	Physical structure version number of the second coupling facility being used to support this log stream.
72	(48)	CHARACTER	8	QBUF_PHYSICAL_INSTANCE_VERSION	Alternate name
80	(50)	CHARACTER	8	QBUF_PHYSICAL_STRUCT_VERSION2 (0)	See below

IXGQBUF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
80	(50)	CHARACTER	8	QBUF_PHYSICAL_STRUCT2_VERSION (0)	Second physical structure version number of the second coupling facility being used to support this log stream.
80	(50)	CHARACTER	8	QBUF_PHYSICAL_INSTANCE_VERSION2 (0)	See above
80	(50)	CHARACTER	8	QBUF_PHYSICAL_INSTANCE2_VERSION	Alternate name
88	(58)	CHARACTER	1	QBUF_VERSION1_RESERVED (0)	Insert filler bytes to insure QBUF Version 1 section is a multiple of doublewords in length
88	(58)	CHARACTER	1	QBUF_VERSION1_SECTION_END (0)	End of Version 1 data
Comment					
VERSION 2 DATA					
End of Comment					
88	(58)	CHARACTER	80	QBUF_VERSION2_SECTION_BEGIN (0)	Beginning of version 2 data
88	(58)	CHARACTER	44	QBUF_LS_DS_NAME	Name of the most recently allocated Logstream Offload Data Set on this system if known. Set to binary zeros if unknown.
132	(84)	SIGNED	4	QBUF_LS_DS_SIZE	Represents the most recently allocated Logstream Offload data set size in bytes (using zero origin) if known, and value of zero if unknown. If Offload data set size is 2GB or greater, this field will be x'7FFFFFFF'. When the QBUF_VERSION_NUMBER is 4 or greater and the offload data set size is known, the full value will be in field QBUF_FULL_LS_DS_SIZE.
136	(88)	CHARACTER	8	QBUF_STR_SIZE	Size of the structure as reported by xes, set to zero if logstream is dasdonly.
144	(90)	SIGNED	4	QBUF_STG_DS_SIZE	Represents the Logstream Staging data set size in bytes (using zero origin) if staging data set are in use, zero if staging data sets are not in use. If Staging data set size is 2GB or greater, this field will be x'7FFFFFFF'. When the QBUF_VERSION_NUMBER is 4 or greater and staging data sets are in use, the full value will be in field QBUF_FULL_STG_DS_SIZE.
148	(94)	BITSTRING	1	QBUF_DUPLEX_FLAGS (0)	Duplex flags - one or more of these flags can be on
		1... ..		QBUF_LOCAL_BUFFER_DUPLEXING	"X'80" ON => Log stream is currently being duplexed to local buffers. OFF => Log stream is not being duplexed to local buffers.
		.1..		QBUF_STAGING_DATASET_DUPLEXING	"X'40" ON => Log stream is currently being duplexed to staging data sets. OFF => Log stream is not being duplexed to staging data sets.
		..1.		QBUF_DR_STAGING_DATASET_DUPLEXING	"X'20" ON => Log stream is currently duplexing using the XRC facility. OFF => Log stream is not duplexing using the XRC facility.
		...1		QBUF_STRUCTURE_DUPLEXING	"X'10" ON => Log stream is currently being duplexed to a coupling facility structure. OFF => Log stream is not being duplexed to a coupling facility structure.
149	(95)	BITSTRING	1	QBUF_VER2_OTHER_FLAGS (0)	Other flags
		1... ..		QBUF_DASDONLY_LOGSTREAM	"X'80" ON => Log stream has been defined as dasd only. OFF => Log stream has been defined as CF based.
		.1..		QBUF_CURRENT_DATASET	"X'40" ON => Data set referred to by QBUF_Ls_Ds_Name is the current offload data set. OFF => Data set referred to by QBUF_Ls_Ds_Name is not the current offload data set or the current data set is undefined.
150	(96)	BITSTRING	1	QBUF_LS_HIGHOFFLOAD	Logstream HighOffload percentage
151	(97)	BITSTRING	1	QBUF_LS_LOWOFFLOAD	Logstream LowOffload percentage
152	(98)	SIGNED	4	QBUF_STR_LOGSNUM	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Max number of logstreams that can be defined to this structure. Set to 0 if DASDONLY.
156	(9C)	SIGNED	4	QBUF_STR_CONNECTCOUNT	Number of logstreams using space in this structure (connected to this structure). Set to 0 if DASDONLY.
160	(A0)	CHARACTER	8	QBUF_STR_SIZE_USABLE	Number of bytes of usable structure space for this logstream, (as determined by element pool and element size). Set to 0 if DASDONLY.
168	(A8)	CHARACTER	1	QBUF_VERSION2_RESERVED (0)	Insert filler bytes to insure QBUF Version 2 section is a multiple of doublewords in length
168	(A8)	CHARACTER	1	QBUF_VERSION2_SECTION_END (0)	End of Version 2 data area
Comment					
END VERSION 2 DATA VERSION 3 AND 4 DATA					
End of Comment					
168	(A8)	CHARACTER	32	QBUF_VERSION3_SECTION_BEGIN (0)	Beginning of version 3 data
168	(A8)	CHARACTER	8	QBUF_GROUPVALUE	GROUP Value for this Logstream. If the logstream was defined with GROUP(PRODUCTION), the value will be 'PROD '. If GROUP(TEST) was used, the value will be 'TEST '.
176	(B0)	SIGNED	8	QBUF_FULL_LS_DS_SIZE	Represents the most recently allocated Logstream Offload data set size in bytes (using zero origin) if known, and the value of zero if unknown. Only valid if the QBUF_VERSION_NUMBER is 4 or greater.
184	(B8)	SIGNED	8	QBUF_FULL_STG_DS_SIZE	Represents the Staging data set size in bytes (using zero origin) if staging data sets are being used, and zero if staging data sets are not in use. Only valid if the QBUF_VERSION_NUMBER is 4 or greater
192	(C0)	CHARACTER	8		Reserved
200	(C8)	CHARACTER	1	QBUF_VERSION3_RESERVED (0)	Insert filler bytes to insure QBUF Version 3 section is a multiple of doublewords in length
200	(C8)	CHARACTER	1	QBUF_VERSION3_SECTION_END (0)	End of Version 3 data area
Comment					
END VERSION 3 DATA					
End of Comment					
200	(C8)	CHARACTER	1	QBUFEND (0)	End of QBUF
200	(C8)	X'48'	0	QBUF_LENGTH	"72"
Comment					
should remain 72 bytes					
End of Comment					
200	(C8)	X'58'	0	QBUF_VERSION1_LENGTH	"88"
Comment					
should remain 88 bytes					
End of Comment					
200	(C8)	X'A8'	0	QBUF_VERSION2_LENGTH	"168"

IXGQBUF Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
should remain 168 bytes					
					End of Comment
200	(C8)	X'C8'	0	QBUF_VERSION3_LENGTH	"200"
					Comment
should remain 200 bytes					
					End of Comment
200	(C8)	X'C8'	0	QBUF_VERSION4_LENGTH	"200"
					Comment
should remain 200 bytes					
					End of Comment
200	(C8)	X'C8'	0	QBUF_LEN	"200" Max length
200	(C8)	X'0'	0	QBUFVERNUM	"0"
200	(C8)	X'1'	0	QBUFVERONE	"1"
200	(C8)	X'2'	0	QBUFVERTWO	"2"
200	(C8)	X'3'	0	QBUFVERTHREE	"3"
200	(C8)	X'4'	0	QBUFVERFOUR	"4"

IXGQBUF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
QBUF	0		QBUF_LS_LOWFFLOAD	97	
QBUF_AUTODELETE	30	80	QBUF_LS_OFFLOAD_RETURNED	30	8
QBUF_CF_TIMESTAMP_VALUE	28		QBUF_LS_TIMESTAMP	18	
QBUF_CONTROL_INFO_SIZE	14		QBUF_NEXT_BLOCKID_TO_BE_ASSIGNED	20	
QBUF_CURRENT_DATASET	95	40	QBUF_PHYSICAL_INSTANCE_VERSION	48	
QBUF_DASDONLY_LOGSTREAM	95	80	QBUF_PHYSICAL_INSTANCE_VERSION2	50	
QBUF_DR_STAGING_DATASET_DUPLEXING	94	20	QBUF_PHYSICAL_INSTANCE2_VERSION	50	
QBUF_DUPLEX_FLAGS	94		QBUF_PHYSICAL_STRUCT_VERSION	48	
QBUF_FLAGS	30		QBUF_PHYSICAL_STRUCT_VERSIONS	48	
QBUF_FULL_LS_DS_SIZE	B0		QBUF_PHYSICAL_STRUCT_VERSION2	50	
QBUF_FULL_STG_DS_SIZE	B8		QBUF_PHYSICAL_STRUCTS_VERSIONS	48	
QBUF_GROUPVALUE	A8		QBUF_PHYSICAL_STRUCT2_VERSION	50	
QBUF_HIGH_LOSS_OF_DATA_BLKID	3C		QBUF_RESERVED	44	
QBUF_INSTANCE_VERSION_NUMBER	C		QBUF_RETPD	31	
QBUF_LEN	C8	C8	QBUF_SAFE_IMPORT_POINT	4	
QBUF_LENGTH	C8	48	QBUF_SECTION_BEGIN	0	
QBUF_LOCAL_BUFFER_DUPLEXING	94	80	QBUF_SECTION_END	48	
QBUF_LOSSOFDATA	30	40	QBUF_STAGING_DATASET_DUPLEXING	94	40
QBUF_LOW_LOSS_OF_DATA_BLKID	34		QBUF_STG_DS_SIZE	90	
QBUF_LS_DS_NAME	58		QBUF_STR_CONNECTCOUNT	9C	
QBUF_LS_DS_SIZE	84		QBUF_STR_LOGSNUM		
QBUF_LS_HIGHOFFLOAD	96				

Name	Hex Offset	Hex Value
	98	
QBUF_STR_SIZE		
	88	
QBUF_STR_SIZE_USABLE		
	A0	
QBUF_STRUCT_VERSION_NUMBER		
	C	
QBUF_STRUCTURE_DUPLEXING		
	94	10
QBUF_USING_PHYSICAL_STRUCT		
	30	20
QBUF_USING_PHYSICAL_STRUCT2		
	30	10
QBUF_VERSION_NUMBER		
	0	
QBUF_VERSION1_LENGTH		
	C8	58
QBUF_VERSION1_RESERVED		
	58	
QBUF_VERSION1_SECTION_BEGIN		
	48	
QBUF_VERSION1_SECTION_END		
	58	
QBUF_VERSION2_LENGTH		
	C8	A8
QBUF_VERSION2_RESERVED		
	A8	
QBUF_VERSION2_SECTION_BEGIN		
	58	
QBUF_VERSION2_SECTION_END		
	A8	
QBUF_VERSION3_LENGTH		
	C8	C8
QBUF_VERSION3_RESERVED		
	C8	
QBUF_VERSION3_SECTION_BEGIN		
	A8	
QBUF_VERSION3_SECTION_END		
	C8	
QBUF_VERSION4_LENGTH		
	C8	C8
QBUF_VER2_OTHER_FLAGS		
	95	
QBUFEND	C8	
QBUFVERFOUR	C8	4
QBUFVERNUM	C8	0
QBUFVERONE	C8	1
QBUFVERTHREE	C8	3
QBUFVERTWO	C8	2

IXGRMEPL Information

IXGRMEPL Programming Interface information

Programming Interface information

IXGRMEPL

End of Programming Interface information

IXGRMEPL Heading Information • IXGRMEPL Map

IXGRMEPL Heading Information

Common Name: Resource Manager Exit Parameter List
Macro ID: IXGRMEPL
DSECT Name: RMEPL
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 229
 Key: Key 0
 Residency: Above 16 MB in virtual storage.
Size: 384 bytes
 RMEPL -- X'0180' bytes
Created by: SCLOG
Pointed to by: First word in parameter list provided to Resource Manager Exit
Serialization: None required
Function: Maps parameter list to the Resource Manager exit specified on an IXGCONN request

IXGRMEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RMEPL	Resource Manager exit parameter list
0	(0)	CHARACTER	128	RMEPLSECTIONBEGIN (0)	Beginning of common section
0	(0)	SIGNED	4	RMEPLVERSIONNUMBER	Version Number of this mapping of the RMEPL
4	(4)	BITSTRING	4	RMEPLFLAGS (0)	Flags
		1...		RMEPLDELETEREQUEST	"X'80" If on, this parameter list represents a delete request
		.1..		RMEPLWRITEREQUEST	"X'40" If on, this parameter list represents a write request. Log data are contained in a single buffer
8	(8)	BITSTRING	8	RMEPLGMTTIMESTAMP	STCK value. Obtained immediately prior to calling the resource manager
16	(10)	CHARACTER	8	RMEPLRMNAME	Resource Manager Name
24	(18)	CHARACTER	8	RMEPLRMDATA	Associated RMDATA specified on the RM's IXGCONN request
32	(20)	CHARACTER	16	RMEPLIDENTIFICATION	System-unique identification of the connection on whose behalf the exit is being called
48	(30)	CHARACTER	16	RMEPLLSDESCRIPTION	Log Stream Description from log stream inventory record. If binary zeroes, no description exists
64	(40)	CHARACTER	26	RMEPLLOGSTREAMNAME	Log stream name
90	(5A)	CHARACTER	2	RMEPLRSVD1	Reserved
92	(5C)	CHARACTER	36	RMEPLREQUESTINFO (0)	Specific information about the request that caused the RM Exit to be given control
92	(5C)	CHARACTER	18	RMEPLDELETEINFO (0)	Delete request information
92	(5C)	BITSTRING	2	RMEPLDELETEFLAGS (0)	Bits in this structure are set only if the parameter list represents a delete log block request
		1...		RMEPLBLOCKSALLSPECIFIED	"X'80" If set, BLOCKS=ALL specified on IXGDELETE request
		.1..		RMEPLBLOCKSRANGESPECIFIED	"X'40" If set, BLOCKS = RANGE specified in IXGDELETE request
		..1.		RMEPLFORCESPECIFIED	"X'20" If set, the issue of the issuer of IXGDELETE specified FORCE=YES and this delete request cannot be overridden.
94	(5E)	CHARACTER	8	RMEPLDELETEBLOCKID	Blockid specified by the issuer of IXGDELET when BLOCK=RANGE specified
102	(66)	CHARACTER	8	RMEPLDELETEOVERRIDEBLOCKID	Override block id. Resource Manager places the override blockid in this variable if it wishes to override the delete request. On entry to the exit, this field is initialized to binary zeroes. If still binary zeroes upon return from the exit, then delete request proceeds as requested by the issuer of IXGDELET. If FORCE=YES specified, content of this field is ignored.
92	(5C)	CHARACTER	36	RMEPLWRITEINFO (0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Write Information
92	(5C)	SIGNED	4	RMEPLADDEDBYTES	Number of bytes that the Logger 'adds' to a user's log block (prefix and suffix information). The prefix and suffix areas are not 'seen' in the copy of the user's buffer presented to the resource manager. Adding together RmeplWriteBlockID, RmeplLogDataLength and RmeplAddedBytes can be used to calculate the next block id to be assigned for a log block written to the log stream
96	(60)	SIGNED	4	RMEPLLOGDATALENGTH	Number of bytes of user log data specified. This is the BLOCKLEN value specified on the IXGWRITE request
100	(64)	ADDRESS	4	RMEPLWRITEBUFFERPTR	Pointer to the buffer that contains the log data that were written to the log stream if RmeplWriteRequest is set to on
104	(68)	CHARACTER	8	RMEPLWRITEBLOCKID	Block id assigned to the log block
112	(70)	BITSTRING	8	RMEPLWRITEGMTTIMESTAMP	Timestamp assigned to the log block
120	(78)	BITSTRING	8	RMEPLWRITELOCALTIMESTAMP	local time stamp assigned to the log block
128	(80)	CHARACTER	256	RMEPL_RMEXIT_WORK_AREA	256 byte work area that the resource manager exit can use
384	(180)	CHARACTER	1	RMEPL_RESERVED (0)	Insert filler bytes to insure RMEPL section is a multiple of doublewords in length
384	(180)	CHARACTER	1	RMEPLEND (0)	End of RMEPL
384	(180)	X'180'	0	RMEPL_LENGTH	"384"
384	(180)	X'0'	0	RMEPLVERNUM	"0"
384	(180)	X'180'	0	RMEPL_LEN	**-RMEPL"

IXGRMEPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RMEPL	0		RMEPLRMNAME	10	
RMEPL_LEN	180	180	RMEPLRSVD1	5A	
RMEPL_LENGTH	180	180	RMEPLSECTIONBEGIN	0	
RMEPL_RESERVED	180		RMEPLVERNUM	180	0
RMEPL_RMEXIT_WORK_AREA	80		RMEPLVERSIONNUMBER	0	
RMEPLADDEDBYTES	5C		RMEPLWRITEBLOCKID	68	
RMEPLBLOCKSALLSPECIFIED	5C	80	RMEPLWRITEBUFFERPTR	64	
RMEPLBLOCKSRANGESPECIFIED	5C	40	RMEPLWRITEGMTTIMESTAMP	70	
RMEPLDELETEBLOCKID	5E		RMEPLWRITEINFO	5C	
RMEPLDELETEFLAGS	5C		RMEPLWRITELOCALTIMESTAMP	78	
RMEPLDELETEINFO	5C		RMEPLWRITEREQUEST	4	40
RMEPLDELETEOVERRIDEBLOCKID	66				
RMEPLDELETEREQUEST	4	80			
RMEPLEND	180				
RMEPLFLAGS	4				
RMEPLFORCESPECIFIED	5C	20			
RMEPLGMTTIMESTAMP	8				
RMEPLIDENTIFICATION	20				
RMEPLLOGDATALENGTH	60				
RMEPLLOGSTREAMNAME	40				
RMEPLLSDESCRIPTION	30				
RMEPLREQUESTINFO	5C				
RMEPLRMDATA	18				

IXGSXAP Information

IXGSXAP Programming Interface information

Programming Interface information

IXGSXAP

End of Programming Interface information

IXGSXAP Heading Information • IXGSXAP Map

IXGSXAP Heading Information

Common Name: LOGR subsystem data set interface exit allocation specific parameter list
Macro ID: IXGSXAP
DSECT Name: IXGSXAP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: 'IXGSXAP '
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 236 or 237
 Key: 1
 Residency: ANY
Size: 40 bytes ('28'X)
 Frequency: 1 per allocation request of a LOGR subsystem data set - DD SUBSYS=(LOGR,...)
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXCMP_SPECIFIC_PTR field in the IXGSXCMP data area
Serialization: None
Function: Allocation specific LOGR subsystem data set interface exit parameter list.

IXGSXAP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXAP	, IXGSXAP data area mapping
0	(0)	SIGNED	4	IXGSXAP_START (0)	Ensure word alignment
0	(0)	CHARACTER	8	IXGSXAP_ID	Eye catcher 'IXGSXAP '
8	(8)	BITSTRING	1	IXGSXAP_VERSION	Version number
9	(9)	BITSTRING	1	IXGSXAP_IN_RSVD1	Reserved for IBM
10	(A)	BITSTRING	2	IXGSXAP_LENGTH	Length of IXGSXAP
12	(C)	CHARACTER	8	IXGSXAP_DDNAME	Name of DD or blanks if the name was not available
20	(14)	ADDRESS	4	IXGSXAP_JFCB_PTR	Pointer to a copy of the JFCB for the DD
24	(18)	ADDRESS	4	IXGSXAP_MSG_PTR	Pointer to message area (refer to IXGSXMSP). The length of the area is set in IXGSXAP_MSG_LEN.
28	(1C)	SIGNED	2	IXGSXAP_MSG_LEN	Maximum size of area pointed to by IXGSXAP_MSG_PTR.
30	(1E)	CHARACTER	6	IXGSXAP_IN_RSVD2	Reserved for IBM

Comment

Start of output fields

End of Comment

36	(24)	CHARACTER	2	IXGSXAP_OUT_FLAGS (0)	Output flag bytes
36	(24)	BITSTRING	1	IXGSXAP_OUT_FLAG1	Output flag byte 1
		1... ..		IXGSXAP_ISSUE_MSG	"X'80" The message contained in the area pointed to by IXGSXAP_MSG_PTR is to be issued
37	(25)	BITSTRING	1	IXGSXAP_OUT_FLAG2	Reserved for IBM
38	(26)	SIGNED	2	IXGSXAP_INFO_CODE	DD info code
40	(28)	CHARACTER	4	IXGSXAP_OUT_RSVD1	Reserved for IBM
44	(2C)	SIGNED	4	IXGSXAP_END (0)	End of mapping

Comment

Current Length and Id values

End of Comment

44	(2C)	X'2C'	0	IXGSXAP_CURRENT_LENGTH	
----	------	-------	---	------------------------	--

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		IXGSXAP_LATEST_VERSION	"*-IXGSXAP" Assembled length of mapping
		.... ...1		IXGSXAP_1ST_VERSION	"X'01" Latest version of mapping
					"X'01" First version of mapping

IXGSXAP Cross Reference

Name	Hex Offset	Hex Value
IXGSXAP	0	
IXGSXAP_CURRENT_LENGTH	2C	2C
IXGSXAP_DDNAME	C	
IXGSXAP_END	2C	
IXGSXAP_ID	0	
IXGSXAP_IN_RSVD1	9	
IXGSXAP_IN_RSVD2	1E	
IXGSXAP_INFO_CODE	26	
IXGSXAP_ISSUE_MSG	24	80
IXGSXAP_JFCB_PTR	14	
IXGSXAP_LATEST_VERSION	2C	1
IXGSXAP_LENGTH	A	
IXGSXAP_MSG_LEN	1C	
IXGSXAP_MSG_PTR	18	
IXGSXAP_OUT_FLAGS	24	
IXGSXAP_OUT_FLAG1	24	
IXGSXAP_OUT_FLAG2	25	
IXGSXAP_OUT_RSVD1	28	
IXGSXAP_START	0	
IXGSXAP_VERSION	8	
IXGSXAP_1ST_VERSION	2C	1

IXGSXCMP Information

IXGSXCMP Programming Interface information

Programming Interface information

IXGSXCMP

End of Programming Interface information

IXGSXCMP Heading Information • IXGSXCMP Map

IXGSXCMP Heading Information

Common Name: LOGR subsystem data set interface exit common parameter list
Macro ID: IXGSXCMP
DSECT Name: IXGSXCMP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: 'IXGSXCMP'
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230 only on Converter SSI call 236 or 237 on other SSI calls (not fetch protected)
 Key: 1
 Residency: ANY
Size: 108 bytes ('6C'X)
 Frequency: 1 per LOGR subsystem data set,
 DD SUBSYS=(LOGR,...),
 for each subsystem data set service event
Created by: LOGR subsystem data set interface routine
Pointed to by: Word 1 of the area pointed to by register 1 on entry to
 the Log stream owner's subsystem data set interface exit.
Serialization: None
Function: Common LOGR subsystem data set interface exit parameter
 list.

IXGSXCMP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXCMP	, IXGSXCMP data area mapping
0	(0)	SIGNED	4	IXGSXCMP_START (0)	
0	(0)	CHARACTER	8	IXGSXCMP_ID	Ensure word alignment Eye catcher 'IXGSXCMP'
8	(8)	BITSTRING	2	IXGSXCMP_LENGTH	Length of IXGSXCMP
10	(A)	BITSTRING	1	IXGSXCMP_VERSION	Version number
11	(B)	BITSTRING	1	IXGSXCMP_EVENT	Reason for call
12	(C)	ADDRESS	4	IXGSXCMP_SPECIFIC_PTR	Pointer to the specific event's parameter list extension
16	(10)	CHARACTER	8	IXGSXCMP_JOBNAME	Name of Job - filled in for all calls to exit except on Converter call it is set to blanks
24	(18)	CHARACTER	26	IXGSXCMP_LOGNAME	Name of the log stream taken from the DD DSN= parameter - filled in for all calls to exit except on Converter call it is set to blanks
50	(32)	CHARACTER	1	IXGSXCMP_RSVD1	Reserved for IBM
51	(33)	BITSTRING	1	IXGSXCMP_SUBPOOL	Subpool used for storage
52	(34)	ADDRESS	4	IXGSXCMP_SUBSYS_PTR	Pointer to the parameters specified on a SUBSYS= keyword on a DD or Dynaloc text unit (refer to IXGSXTXT)
56	(38)	SIGNED	2	IXGSXCMP_SUBSYS_SIZE	Size of area pointed to by IXGSXCMP_subsys_ptr (size of IXGSXTXT area)
58	(3A)	CHARACTER	2	IXGSXCMP_RSVD2	Reserved for IBM
60	(3C)	ADDRESS	4	IXGSXCMP_SUBSYS_OPTION2	Pointer to the Subsys-options2 parameter on a DD or Dynaloc text unit (refer to IXGSXTXT_PAIR portion of IXGSXTXT)
64	(40)	CHARACTER	4	IXGSXCMP_SSNAME	Subsystem Name specified on DD or Dynaloc
68	(44)	CHARACTER	8	IXGSXCMP_EXITNAME	Name of log stream subsystem data set interface exit routine
76	(4C)	SIGNED	4	IXGSXCMP_PARM_FLAGS (0)	Processing flags
76	(4C)	BITSTRING	1	IXGSXCMP_FROM_FLAGS	FROM= specifications
		1...		IXGSXCMP_FROM_SPECIFIED	"X'80" FROM= was explicitly specified
		.1..		IXGSXCMP_FROM_OLDEST	"X'40" Start at Oldest record (block)
		..1.		IXGSXCMP_FROM_START	"X'20" Use IXGSXCMP_SEARCH_START

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
77	(4D)	BITSTRING	1	IXGSXCMP_TO_FLAGS	TO= specifications
		1...		IXGSXCMP_TO_SPECIFIED	"X'80" TO= was explicitly specified
		.1.		IXGSXCMP_TO_YOUNGEST	"X'40" End at Youngest record (block)
		..1.		IXGSXCMP_TO_END	"X'20" Use IXGSXCMP_SEARCH_END
78	(4E)	BITSTRING	1	IXGSXCMP_FLAG_1	Flag byte 1
		1...		IXGSXCMP_GMT	"X'80" Use GMT when on, Use LOCAL when off
		.1.		IXGSXCMP_DURATION	"X'40" DURATION= was specified
		..1.		IXGSXCMP_VIEW	"X'20" ON, VIEW= was specified OFF, VIEW=ACTIVE defaulted
		...1		IXGSXCMP_VIEW_ALL	"X'10" VIEW=ALL was specified
		.... 1..		IXGSXCMP_VIEW_INACTIVE	"X'08" VIEW=INACTIVE was specified

Comment

Note: If IXGSXCMP_VIEW is on and both VIEW_ALL and VIEW_INACTIVE are off, then VIEW=ACTIVE is Implied.

End of Comment

79	(4F)	BITSTRING	1	IXGSXCMP_FLAG_2	Reserved for IBM
80	(50)	BITSTRING	8	IXGSXCMP_SEARCH_START	Date and Time in STCK format. Used as starting point to read records (blocks). Field is valid only when IXGSXCMP_FROM_START is on.
88	(58)	BITSTRING	8	IXGSXCMP_SEARCH_END	Date and Time in STCK format. Used as end point for reading records (blocks). Field is valid only when IXGSXCMP_TO_END is on.

Comment

Start of input/output fields

End of Comment

96	(60)	ADDRESS	4	IXGSXCMP_EXIT_TOKEN	Exit token: - Converter call - not used - Allocation call - 0 on input - Other calls - value returned from previous exit call for the DD
100	(64)	CHARACTER	8	IXGSXCMP_RSVD3	Reserved for IBM
108	(6C)	SIGNED	4	IXGSXCMP_END (0)	End of mapping

Comment

Current Length and ID values

End of Comment

108	(6C)	X'6C'	0	IXGSXCMP_CURRENT_LENGTH	"X'6C" Assembled length of mapping
		.... ...1		IXGSXCMP_LATEST_VERSION	"X'01" Latest version of mapping
		.... ...1		IXGSXCMP_1ST_VERSION	"X'01" First version of mapping

Comment

Values used in field IXGSXCMP_EVENT

End of Comment

.... ...1	IXGSXCMP_CONVERTER	"X'01" Converter processing
.... ..1.	IXGSXCMP_ALLOCATION	"X'02" Allocation processing
.... ..11	IXGSXCMP_OPEN	"X'03" OPEN processing
.... ..1.	IXGSXCMP_GET	"X'04" GET processing
.... ..11	IXGSXCMP_CLOSE	

IXGSXCMP Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .11.		IXGSXCMP_UNALLOCATION	"X'05" CLOSE processing "X'06" UnAllocation processing
Comment					
Return code values placed in register 15 by exit Note that return codes other than 0 and 4 will be treated the same as for return code 20.					
End of Comment					
	.... ....			IXGSXCMP_OK	"X'00000000" 0 - Continue job processing
	.... .1..			IXGSXCMP_NOT_OK	"X'00000004" 4 - Do not continue job processing
	...1 .1..			IXGSXCMP_ABEND	"X'00000014" 20 - The exit had an ABEND or logical error and could not process the request

IXGSXCMP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGSXCMP	0			32	
IXGSXCMP_ABEND			IXGSXCMP_RSVD2		
	6C	14		3A	
IXGSXCMP_ALLOCATION			IXGSXCMP_RSVD3		
	6C	2		64	
IXGSXCMP_CLOSE			IXGSXCMP_SEARCH_END		
	6C	5		58	
IXGSXCMP_CONVERTER			IXGSXCMP_SEARCH_START		
	6C	1		50	
IXGSXCMP_CURRENT_LENGTH			IXGSXCMP_SPECIFIC_PTR		
	6C	6C		C	
IXGSXCMP_DURATION			IXGSXCMP_SSNAME		
	4E	40		40	
IXGSXCMP_END			IXGSXCMP_START		
IXGSXCMP_EVENT				0	
	B		IXGSXCMP_SUBPOOL		
IXGSXCMP_EXIT_TOKEN				33	
	60		IXGSXCMP_SUBSYS_OPTION2		
IXGSXCMP_EXITNAME				3C	
	44		IXGSXCMP_SUBSYS_PTR		
IXGSXCMP_FLAG_1				34	
	4E		IXGSXCMP_SUBSYS_SIZE		
IXGSXCMP_FLAG_2				38	
	4F		IXGSXCMP_TO_END		
IXGSXCMP_FROM_FLAGS				4D	20
	4C		IXGSXCMP_TO_FLAGS		
IXGSXCMP_FROM_OLDEST				4D	
	4C	40	IXGSXCMP_TO_SPECIFIED		
IXGSXCMP_FROM_SPECIFIED				4D	80
	4C	80	IXGSXCMP_TO_YOUNGEST		
IXGSXCMP_FROM_START				4D	40
	4C	20	IXGSXCMP_UNALLOCATION		
IXGSXCMP_GET				6C	6
IXGSXCMP_GMT			IXGSXCMP_VERSION		
IXGSXCMP_ID				A	
IXGSXCMP_JOBNAME			IXGSXCMP_VIEW		
	10			4E	20
IXGSXCMP_LATEST_VERSION			IXGSXCMP_VIEW_ALL		
	6C	1		4E	10
IXGSXCMP_LENGTH			IXGSXCMP_VIEW_INACTIVE		
	8			4E	8
IXGSXCMP_LOGNAME			IXGSXCMP_1ST_VERSION		
	18			6C	1
IXGSXCMP_NOT_OK					
	6C	4			
IXGSXCMP_OK					
	6C	0			
IXGSXCMP_OPEN					
	6C	3			
IXGSXCMP_PARM_FLAGS					
	4C				
IXGSXCMP_RSVD1					

IXGSXCNP Information

IXGSXCNP Programming Interface information

Programming Interface information

IXGSXCNP

End of Programming Interface information

IXGSXCNP Heading Information • IXGSXCNP Map

IXGSXCNP Heading Information

Common Name: LOGR subsystem data set interface exit converter specific parameter list
Macro ID: IXGSXCNP
DSECT Name: IXGSXCNP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: 'IXGSXCNP'
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230
 Key: 1
 Residency: ANY
Size: 32 bytes ('20'X)
 Frequency: 1 per converter request of a LOGR subsystem data set - DD SUBSYS=(LOGR,...)
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXCMP_SPECIFIC_PTR field in the IXGSXCMP data area
Serialization: None
Function: Converter specific LOGR subsystem data set interface exit parameter list.

IXGSXCNP Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	IXGSXCNP	, IXGSXCNP data area mapping	
0	(0)	SIGNED	4	IXGSXCNP_START (0)	Ensure word alignment	
0	(0)	CHARACTER	8	IXGSXCNP_ID	Eye catcher 'IXGSXCNP'	
8	(8)	BITSTRING	1	IXGSXCNP_VERSION	Version number	
9	(9)	BITSTRING	1	IXGSXCNP_IN_RSVD1	Reserved for IBM	
10	(A)	BITSTRING	2	IXGSXCNP_LENGTH	Length of IXGSXCNP	
12	(C)	ADDRESS	4	IXGSXCNP_MSG_PTR	Pointer to message area (refer to IXGSXMSP). The length of the area is set in IXGSXCNP_MSG_LEN	
16	(10)	SIGNED	2	IXGSXCNP_MSG_LEN	Size of area pointed to by IXGSXCNP_MSG_PTR	
18	(12)	CHARACTER	6	IXGSXCNP_IN_RSVD2	Reserved for IBM	
Comment						
Start of output fields						
End of Comment						
24	(18)	BITSTRING	2	IXGSXCNP_OUT_FLAGS (0)	Output flags	
24	(18)	BITSTRING	1	IXGSXCNP_OUT_FLAG1	Output flag byte 1	
		1... ..		IXGSXCNP_ISSUE_MSG	"X'80" The message contained in the area pointed to by IXGSXCNP_MSG_PTR is to be issued	
25	(19)	BITSTRING	1	IXGSXCNP_OUT_FLAG2	Reserved for IBM	
26	(1A)	BITSTRING	6	IXGSXCNP_OUT_RSVD1	Reserved for IBM	
32	(20)	SIGNED	4	IXGSXCNP_END (0)	End of mapping	
Comment						
Current Length and Id values						
End of Comment						
32	(20)	X'20'	0	IXGSXCNP_CURRENT_LENGTH	"X'20" Assembled length of mapping	
		.... ...1		IXGSXCNP_LATEST_VERSION	"X'01" Latest version of mapping	
		.... ...1		IXGSXCNP_1ST_VERSION	"X'01" First version of mapping	

IXGSXCNP Cross Reference

Name	Hex Offset	Hex Value
IXGSXCNP	0	
IXGSXCNP_CURRENT_LENGTH	20	20
IXGSXCNP_END	20	
IXGSXCNP_ID	0	
IXGSXCNP_IN_RSVD1	9	
IXGSXCNP_IN_RSVD2	12	
IXGSXCNP_ISSUE_MSG	18	80
IXGSXCNP_LATEST_VERSION	20	1
IXGSXCNP_LENGTH	A	
IXGSXCNP_MSG_LEN	10	
IXGSXCNP_MSG_PTR	C	
IXGSXCNP_OUT_FLAGS	18	
IXGSXCNP_OUT_FLAG1	18	
IXGSXCNP_OUT_FLAG2	19	
IXGSXCNP_OUT_RSVD1	1A	
IXGSXCNP_START	0	
IXGSXCNP_VERSION	8	
IXGSXCNP_1ST_VERSION	20	1

IXGSXGP Information

IXGSXGP Programming Interface information

Programming Interface information

IXGSXGP

End of Programming Interface information

IXGSXGP Heading Information • IXGSXGP Map

IXGSXGP Heading Information

Common Name: LOGR subsystem data set interface exit GET specific parameter list
Macro ID: IXGSXGP
DSECT Name: IXGSXGP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: 'IXGSXGP '
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230
 Key: User's key (based on key of program issuing OPEN for the subsystem data set)
 Residency: ANY
Size: 52 bytes ('34'X)
 Frequency: 1 per GET/READ request of a LOGR subsystem data set - DD SUBSYS=(LOGR,...)
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXCMP_SPECIFIC_PTR field in the IXGSXCMP data area
Serialization: None
Function: GET specific LOGR subsystem data set interface exit parameter list.

IXGSXGP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXGP	, IXGSXGP data area mapping
0	(0)	SIGNED	4	IXGSXGP_START (0)	Ensure word alignment
0	(0)	CHARACTER	8	IXGSXGP_ID	Eye catcher 'IXGSXGP '
8	(8)	BITSTRING	1	IXGSXGP_VERSION	Version number
9	(9)	BITSTRING	1	IXGSXGP_IN_RSVD1	Reserved for IBM
10	(A)	BITSTRING	2	IXGSXGP_LENGTH	Length of IXGSXGP
12	(C)	ADDRESS	4	IXGSXGP_DEB_PTR	Pointer to the DEB
16	(10)	ADDRESS	4	IXGSXGP_DSAB_PTR	Pointer to the DSAB
20	(14)	ADDRESS	4	IXGSXGP_AREA_PTR	Pointer to the user buffer area
24	(18)	SIGNED	4	IXGSXGP_BUFF_LEN	User buffer length
28	(1C)	ADDRESS	4	IXGSXGP_RECORD_LEN_PTR	Pointer to full word field that is to be set with length of record moved to the area pointed to by field IXGSXGP_AREA_PTR
32	(20)	CHARACTER	8	IXGSXGP_IN_RSVD2	Reserved for IBM

Comment

Start of output fields

End of Comment

40	(28)	BITSTRING	1	IXGSXGP_RETURN_CODE	Return code to be passed back to invoker of GET
41	(29)	BITSTRING	1	IXGSXGP_ERROR_CODE	Error code, used only when IXGSXGP_return_code is non-zero
42	(2A)	CHARACTER	2	IXGSXGP_OUT_RSVD1	Reserved for IBM
44	(2C)	CHARACTER	8	IXGSXGP_OUT_RSVD2	Reserved for IBM
52	(34)	SIGNED	4	IXGSXGP_END (0)	End of mapping

Comment

Current Length and Id values

End of Comment

52	(34)	X'34'	0	IXGSXGP_CURRENT_LENGTH	"*IXGSXGP" Assembled length of mapping
		.... .1		IXGSXGP_LATEST_VERSION	"X'01" Latest version of mapping

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		IXGSXGP_1ST_VERSION	"X'01" First version of mapping
Comment					
Return code values placed in field IXGSXGP_RETURN_CODE					
End of Comment					
			IXGSXGP_OK	"X'00" 0 - record is returned in user area
		.... 1...		IXGSXGP_LOGICAL_ERROR	"X'08" 8 - a logical error was encountered
		...1 1...		IXGSXGP_SYSTEM_ERROR	"X'18" 24 - the exit had an ABEND or system error and could not process the request, do not continue job processing
Comment					
Return code values placed in field IXGSXGP_ERROR_CODE					
End of Comment					
			IXGSXGP_NO_ERROR	"X'00" 0 - No error
		.... .1..		IXGSXGP_END_OF_DATA	"X'04" 4 - Logical end of data was detected
		.... 1...		IXGSXGP_PERM_ERROR	"X'08" 8 - A Permanent error was detected

IXGSXGP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXGSXGP	0		IXGSXGP_SYSTEM_ERROR	34	18
IXGSXGP_AREA_PTR	14		IXGSXGP_VERSION	8	
IXGSXGP_BUFF_LEN	18		IXGSXGP_1ST_VERSION	34	1
IXGSXGP_CURRENT_LENGTH	34	34			
IXGSXGP_DEB_PTR	C				
IXGSXGP_DSAB_PTR	10				
IXGSXGP_END	34				
IXGSXGP_END_OF_DATA	34	4			
IXGSXGP_ERROR_CODE	29				
IXGSXGP_ID	0				
IXGSXGP_IN_RSVD1	9				
IXGSXGP_IN_RSVD2	20				
IXGSXGP_LATEST_VERSION	34	1			
IXGSXGP_LENGTH	A				
IXGSXGP_LOGICAL_ERROR	34	8			
IXGSXGP_NO_ERROR	34	0			
IXGSXGP_OK	34	0			
IXGSXGP_OUT_RSVD1	2A				
IXGSXGP_OUT_RSVD2	2C				
IXGSXGP_PERM_ERROR	34	8			
IXGSXGP_RECORD_LEN_PTR	1C				
IXGSXGP_RETURN_CODE	28				
IXGSXGP_START	0				

IXGSXMSP Information

IXGSXMSP Programming Interface information

Programming Interface information

IXGSXMSP

End of Programming Interface information

IXGSXMSP Heading Information • IXGSXMSP Map

IXGSXMSP Heading Information

Common Name: LOGR subsystem data set interface exit message area mapping
Macro ID: IXGSXMSP
DSECT Name: IXGSXMSP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230 only on Converter SSI call 236 or 237 on other SSI calls (not fetch protected)
Key: 1
Residency: ANY
Size: Maximum size is 122 bytes
Frequency: 1 per message request of a LOGR subsystem data set - DD SUBSYS=(LOGR,...) event
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXCNP_MSG_PTR field in the IXGSXCNP data area, IXGSXAP_MSG_PTR field in the IXGSXAP data area
Serialization: None
Function: The IXGSXMSP DSECT maps the message area used on the log stream subsystem data set interface exit on the Converter and Allocaton calls.

IXGSXMSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXMSP	, IXGSXMSP data area mapping
0	(0)	SIGNED	2	XMSP_MSG_LEN	Length of message text - does not include this field as part of the length.
2	(2)	CHARACTER	1	XMSP_MSG_TEXT (0)	Message text area - size is determined by value in XMSP_MSG_LEN

IXGSXOCP Information

IXGSXOCP Programming Interface information

Programming Interface information

IXGSXOCP

End of Programming Interface information

IXGSXOCP Heading Information • IXGSXOCP Map

IXGSXOCP Heading Information

Common Name: LOGR subsystem data set interface exit OPEN/CLOSE specific parameter list
Macro ID: IXGSXOCP
DSECT Name: IXGSXOCP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: 'IXGSXOCP'
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 236 or 237 (not fetch protected)
 Key: 1
 Residency: ANY
Size: 48 bytes ('30'X)
 Frequency: 1 per open or close request of a LOGR subsystem data set - DD SUBSYS=(LOGR,...)
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXCMP_SPECIFIC_PTR field in the IXGSXCMP data area
Serialization: None
Function: Open/close specific LOGR subsystem data set interface exit parameter list.

IXGSXOCP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXOCP	, IXGSXOCP data area mapping
0	(0)	SIGNED	4	IXGSXOCP_START (0)	Ensure word alignment
0	(0)	CHARACTER	8	IXGSXOCP_ID	Eye catcher 'IXGSXOCP'
8	(8)	BITSTRING	1	IXGSXOCP_VERSION	Version number
9	(9)	BITSTRING	1	IXGSXOCP_RSVD1	Reserved for IBM
10	(A)	BITSTRING	2	IXGSXOCP_LENGTH	Length of IXGSXOCP
12	(C)	ADDRESS	4	IXGSXOCP_JFCB_PTR	Pointer to a copy of the JFCB for this DD
16	(10)	ADDRESS	4	IXGSXOCP_DEB_PTR	Pointer to the DEB for this DD
20	(14)	ADDRESS	4	IXGSXOCP_DSAB_PTR	Pointer to the DSAB for this DD
24	(18)	BITSTRING	1	IXGSXOCP_USER_KEY	User's key (hi-order 4 bits), requestor of OPEN
25	(19)	CHARACTER	3	IXGSXOCP_RSVD2	Reserved for IBM
28	(1C)	CHARACTER	8	IXGSXOCP_DDNAME	DD name with SUBSYS=LOGR

Comment

Start of input/output fields

End of Comment

36	(24)	CHARACTER	8	IXGSXOCP_IOEXIT_NAME	Name of exit to be invoked on GET requests
44	(2C)	CHARACTER	4	IXGSXOCP_OUT_RSVD1	Reserved for IBM
48	(30)	SIGNED	4	IXGSXOCP_END (0)	End of mapping

Comment

Current Length and Id values

End of Comment

48	(30)	X'30'	0	IXGSXOCP_CURRENT_LENGTH	"X'30'" Assembled length of mapping
		.... ..1		IXGSXOCP_LATEST_VERSION	"X'01'" Latest version of mapping
		.... ..1		IXGSXOCP_1ST_VERSION	"X'01'" First version of mapping

IXGSXOCP Cross Reference

Name	Hex Offset	Hex Value
IXGSXOCP	0	
IXGSXOCP_CURRENT_LENGTH	30	30
IXGSXOCP_DDNAME	1C	
IXGSXOCP_DEB_PTR	10	
IXGSXOCP_DSAB_PTR	14	
IXGSXOCP_END	30	
IXGSXOCP_ID	0	
IXGSXOCP_IOEXIT_NAME	24	
IXGSXOCP_JFCB_PTR	C	
IXGSXOCP_LATEST_VERSION	30	1
IXGSXOCP_LENGTH	A	
IXGSXOCP_OUT_RSVD1	2C	
IXGSXOCP_RSVD1	9	
IXGSXOCP_RSVD2	19	
IXGSXOCP_START	0	
IXGSXOCP_USER_KEY	18	
IXGSXOCP_VERSION	8	
IXGSXOCP_1ST_VERSION	30	1

IXGSXTXT Information

IXGSXTXT Programming Interface information

Programming Interface information

IXGSXTXT

End of Programming Interface information

IXGSXTXT Heading Information • IXGSXTXT Map

IXGSXTXT Heading Information

Common Name: LOGR subsystem data set interface exit SUBSYS= specification mapping
Macro ID: IXGSXTXT
DSECT Name: IXGSXTXT and IXGSXTXT_PAIR
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230 only on Converter SSI call 236 or 237 on other SSI calls (not fetch protected)
 Key: 1
 Residency: ANY
Size: Based on the SUBSYS= specification
 Frequency: 1 per LOGR subsystem data set,
 DD SUBSYS=(LOGR,...),
 for each subsystem data set service event
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXTXT:
 IXGSXCMP_SUBSYS_PTR field in the IXGSXCMP data area
 IXGSXTXT_PAIR:
 IXGSXCMP_SUBSYS_OPTION2 field in the IXGSXCMP data area
Serialization: None
Function: The IXGSXTXT DSECT maps the parameters on the SUBSYS=
 specification of a DD statement or Dynaloc text unit.
 This mapping is valid for all the log stream subsystem
 data set interface exit calls.

IXGSXTXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXTXT	, IXGSXTXT data area mapping
0	(0)	SIGNED	2	IXGSXTXT_PARM_NUM	Number of length/data pairs
2	(2)	BITSTRING	1	IXGSXTXT_PARM_LEN	Length of parameter data for 1st position in this string
3	(3)	CHARACTER	1	IXGSXTXT_PARM_VALUE (0)	Value of parameter data for 1st position in this string

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXTXT_PAIR	, Individual length/data pair
0	(0)	BITSTRING	1	IXGSXTXT_LEN	Length of parameter data for next position in this string
1	(1)	CHARACTER	1	IXGSXTXT_VALUE (0)	Value of parameter data for next position in this string

IXGSXUP Information

IXGSXUP Programming Interface information

Programming Interface information

IXGSXUP

End of Programming Interface information

IXGSXUP Heading Information • IXGSXUP Map

IXGSXUP Heading Information

Common Name: LOGR subsystem data set interface exit unallocation specific parameter list
Macro ID: IXGSXUP
DSECT Name: IXGSXUP
Owning Component: System Logger (SCLOG)
Eye-Catcher ID: 'IXGSXUP '
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 236 or 237 (not fetch protected)
 Key: 1
 Residency: ANY
Size: 36 bytes ('24'X)
 Frequency: 1 per unallocation request of a LOGR subsystem data set - DD SUBSYS=(LOGR,...)
Created by: LOGR subsystem data set interface routine
Pointed to by: IXGSXCMP_SPECIFIC_PTR field in the IXGSXCMP data area
Serialization: None
Function: Unallocation specific LOGR subsystem data set interface exit parameter list.

IXGSXUP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXGSXUP	, IXGSXUP data area mapping
0	(0)	SIGNED	4	IXGSXUP_START (0)	Ensure word alignment
0	(0)	CHARACTER	8	IXGSXUP_ID	Eye catcher 'IXGSXUP '
8	(8)	BITSTRING	1	IXGSXUP_VERSION	Version number
9	(9)	BITSTRING	1	IXGSXUP_FLAG	Flags
		1...		IXGSXUP_STEP_UNALLOC	"X'80" Job step unallocation is in progress
		.1..		IXGSXUP_ALLOC_CLEANUP	"X'40" This Unallocation is part of an allocation cleanup
10	(A)	BITSTRING	2	IXGSXUP_LENGTH	Length of IXGSXUP
12	(C)	CHARACTER	8	IXGSXUP_DDNAME	Name of DD or blanks if the name was not available
20	(14)	ADDRESS	4	IXGSXUP_JFCB_PTR	Pointer to a copy of the JFCB for this DD
24	(18)	ADDRESS	4	IXGSXUP_JFCBE_PTR	Pointer to the 1st JFCBE for the JFCB or zero if no JFCBE
28	(1C)	CHARACTER	8	IXGSXUP_RSVD2	Reserved for IBM
36	(24)	SIGNED	4	IXGSXUP_END (0)	End of mapping
Comment					
Current Length and Id values					
End of Comment					
36	(24)	X'24'	0	IXGSXUP_CURRENT_LENGTH	"*-IXGSXUP" Assembled length of mapping
		.... ...1		IXGSXUP_LATEST_VERSION	"X'01" Latest version of mapping
		.... ...1		IXGSXUP_1ST_VERSION	"X'01" First version of mapping

IXGSXUP Cross Reference

Name	Hex Offset	Hex Value
IXGSXUP	0	
IXGSXUP_ALLOC_CLEANUP	9	40
IXGSXUP_CURRENT_LENGTH	24	24
IXGSXUP_DDNAME	C	
IXGSXUP_END	24	
IXGSXUP_FLAG	9	
IXGSXUP_ID	0	
IXGSXUP_JFCB_PTR	14	
IXGSXUP_JFCBE_PTR	18	
IXGSXUP_LATEST_VERSION	24	1
IXGSXUP_LENGTH	A	
IXGSXUP_RSVD2	1C	
IXGSXUP_START	0	
IXGSXUP_STEP_UNALLOC	9	80
IXGSXUP_VERSION	8	
IXGSXUP_1ST_VERSION	24	1

IXLYAMDA Information

IXLYAMDA Programming Interface information

Programming Interface information

IXLYAMDA

End of Programming Interface information

IXLYAMDA Heading Information • IXLYAMDA Map

IXLYAMDA Heading Information

Common Name: Accounting and Measurement Data Area
Macro ID: IXLYAMDA
DSECT Name: IXLYAMDAREA IXLYAMDCEF IXLYAMDCEF1 IXLYAMDSLL IXLYAMDSLL1 IXLYAMDSLC IXLYAMDSLC1 IXLYAMDSTRL
 IXLYAMDSTRL1 IXLYAMDSTRC IXLYAMDSTRC1 IXLYAMDCFMI IXLYAMDCFMINFO IXLYAMDCFRF
 @LAA IXLYAMDCFCF IXLYAMDCFCFInfo IXLYAMDSCSC IXLYAMDSCSC1 IXLYAMDSCOC IXLYAMDSCOCSTATS IXLYAMDSC
 IXLYAMDSC1 IXLYAMDHD IXLYAMDSSCC @L5A IXLYAMDSSCM
 @LQA
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: Variable
 IXLYAMDSSCM -- X'0100' bytes
 IXLYAMDSSCC -- X'0238' bytes
 IXLYAMDSLL1 -- X'00A4' bytes
 IXLYAMDSLC1 -- X'0040' bytes
 IXLYAMDSCSC1 -- X'00C0' bytes
 IXLYAMDAREA -- X'0014' bytes
 IXLYAMDHD -- X'000C' bytes
 IXLYAMDCEF -- X'0130' bytes
 IXLYAMDCEF1 -- X'01B0' bytes
 IXLYAMDSLL -- X'0024' bytes
 IXLYAMDSLC -- X'0024' bytes
 IXLYAMDCFMI -- X'0010' bytes
 IXLYAMDCFMINFO -- X'0044' bytes
 IXLYAMDCFRF -- X'0100' bytes
 IXLYAMDCFCF -- X'0018' bytes
 IXLYAMDCFCFInfo -- X'0040' bytes
 IXLYAMDSTRL -- X'0108' bytes
 IXLYAMDSTRL1 -- X'0188' bytes
 IXLYAMDSTRC -- X'00F4' bytes
 IXLYAMDSTRC1 -- X'0174' bytes
 IXLYAMDSCSC -- X'0078' bytes
 IXLYAMDSCOC -- X'0010' bytes
 IXLYAMDSCOCSTATS -- X'0004' bytes
 IXLYAMDSC -- X'0044' bytes
 IXLYAMDSC1 -- X'0080' bytes
 See declares
Created by: IXLA1MG
Pointed to by: DATAAREA_ADDR field in MG parameter list
Serialization: None required
Function: Maps facility, structure, and subchannel accounting and measurement data returned by the LFSS Measurement Gatherer Service (IXLMG).

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDAREA	Data area returned to caller
0	(0)	SIGNED	4	IXLYAMDAREA_LENGTH	Length of IXLYAMDAREA header mapping
4	(4)	ADDRESS	4	IXLYAMDAREA_CFENT@	Address of first CF entry. A value of zero means that no CF entries were provided
8	(8)	SIGNED	4	IXLYAMDAREA_TLEN	Total length of output data area needed to contain all the requested information. This length includes the area for the records that WERE returned on this call.
12	(C)	SIGNED	4	IXLYAMDAREA_#ENT	Total number of entries of all kinds (not including the header)
16	(10)	BITSTRING	1	IXLYAMDAREA_VERSION	Version number - Maximum CFLEVEL supported by MVS on system where IXLMG was invoked. Can be used to determine if specific fields have valid information. See notes in prolog for more information
17	(11)	CHARACTER	3		Unused
17	(11)	X'14'	0	IXLYAMDAREA_LEN	""-IXLYAMDAREA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDHD	Common header mapping for IXLYAMDA entries
0	(0)	BITSTRING	1	IXLYAMDHD_TYPE	
1	(1)	CHARACTER	3		Type of entry
4	(4)	SIGNED	4	IXLYAMDHD_LENGTH	Unused
					Length of entry
8	(8)	ADDRESS	4	IXLYAMDHD_NEXT	Address of next entry.

Comment

Entry Types

End of Comment

...	...			IXLYAMDA_TYPECF	"X'10" Type for CF block
...	...			IXLYAMDA_TYPESLL	"X'11" Type for SLL block
...	...			IXLYAMDA_TYPESLC	"X'12" Type for SLC block
...	...			IXLYAMDA_TYPECFMI	"X'13" Type for CFMI block
...	...			IXLYAMDA_TYPECFRF	"X'14" Type for CFRF block
...	...			IXLYAMDA_TYPECFCP	"X'15" Type for CFCP block
...	...			IXLYAMDA_TYPESTRL	"X'21" Type for STRL block
...	...			IXLYAMDA_TYPESTRC	"X'22" Type for STRC block
...	...			IXLYAMDA_TYPESCSC	"X'23" Type for SCSC block
...	...			IXLYAMDA_TYPESCOC	"X'24" Type for SCOC block
...	...			IXLYAMDA_TYPESSCC	"X'25" Type for SSCC block
...	...			IXLYAMDA_TYPESSCM	"X'26" Type for SSCM block
...	...			IXLYAMDA_TYPEESC	"X'30" Type for SC block
8	(8)	X'C'	0	IXLYAMDHD_LEN	"*-IXLYAMDHD"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDCF	Coupling Facility (CF) Entry
0	(0)	BITSTRING	1	IXLYAMDCF_TYPE	Indication of type of data X'10' indicates CF entry
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDCF_LENGTH	Length of IXLYAMDCF entry mapping
8	(8)	ADDRESS	4	IXLYAMDCF_CFNEXT	Address of next CF entry. A value of 0 indicates last entry.
12	(C)	ADDRESS	4	IXLYAMDCF_SL@	Address of first CF structure limits entry. A value of 0 indicates last entry.
16	(10)	ADDRESS	4	IXLYAMDCF_STR@	Address of first STR record for this CF. A value of zero means that no STR records were provided for this CF.
20	(14)	ADDRESS	4	IXLYAMDCF_SC@	Address of first subchannel entry for this CF. A value of zero means that no SC records were provided for this CF
24	(18)	ADDRESS	4	IXLYAMDCF_MI@	Address of the measurement information entry for this CF. a value of zero means that the MI record was not provided for this CF

Comment

Facility Entry
Configuration Data

End of Comment

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	SIGNED	4	IXLYAMDCF_CFID	Facility ID number
32	(20)	CHARACTER	8	IXLYAMDCF_CFNAME	Facility Name
40	(28)	CHARACTER	32	IXLYAMDCF_ND	Hardware Node Descriptor for the facility. Mapped by IXLYNDE.
72	(48)	CHARACTER	2		Unused
74	(4A)	SIGNED	2	IXLYAMDCF_SIDMAX	Maximum SID value
76	(4C)	BITSTRING	1	IXLYAMDCF_FLAGS (0)	Flags
		1...		IXLYAMDCF_CONNECTED	"X'80" Connected = Managed + Available, which indicates operations can be allowed against the facility. If this bit is off the facility control information returned will be from the last time the facility was connected and may be downlevel.
		.1..		IXLYAMDCF_MANAGED	"X'40" The facility is in the CFRM policy and XCF wishes to use this facility
		..1.		IXLYAMDCF_AVAILABLE	"X'20" This system has physical paths connected to the facility
		...1		IXLYAMDCF_VOLATILE	"X'10" This facility's storage is volatile when this bit = 1 nonvolatile when this bit = 0
		.... 1...		IXLYAMDCF_ALLSHAREDPCS	"X'08" This facility is running with all shared CPs Bit = 1. At least one dedicated CP Bit = 0
		.... .1..		IXLYAMDCF_DCFDI	"X'04" Equals '1'B if Dynamic CF Dispatching is active for this facility, '0'B if not (LEVEL15).
		.... ..1.		IXLYAMDCF_HWINFODETAILVALID	"X'02" Equals '1'B if IXLYAMDCF_HWInfoDetail field mapping for this facility is valid,'0'B if not valid.
		.... ...1		IXLYAMDCF_STANDALONE	"X'01" When 1, this facility is running on a CPC with no z/OS LPARs
77	(4D)	BITSTRING	1	IXLYAMDCF_FLAGS2 (0)	More CF Flags
		1...		IXLYAMDCF_CTI	"X'80" Set to '1'B if coupling thin interrupts is enabled for this coupling facility (CFLEVEL 19 or above). '0'B if not enabled in the coupling facility
78	(4E)	CHARACTER	2		Unused
80	(50)	CHARACTER	8	IXLYAMDCF_PATHMASKS (0)	Pathing masks currently in use
80	(50)	BITSTRING	1	IXLYAMDCF_PHYSPM	Physical path mask - paths which have a physical connection to the facility
81	(51)	BITSTRING	1	IXLYAMDCF_VARYPM	VARY path mask - paths which have a logical connection to the facility
82	(52)	BITSTRING	1	IXLYAMDCF_XCFPM	XCF path mask - paths connected to the facility in the active policy
83	(53)	BITSTRING	1	IXLYAMDCF_COMPPM	Composite path mask = PHYSPM + VARYPM + XCFPM
84	(54)	CHARACTER	1		Unused
85	(55)	BITSTRING	1	IXLYAMDCF_INVALID	Invalid paths mask - paths not connected to correct facility
86	(56)	BITSTRING	1	IXLYAMDCF_NOTVALIDATED	NotValidated paths mask -- paths not connected
87	(57)	CHARACTER	1		Unused
88	(58)	SIGNED	4	IXLYAMDCF_SEQUENCE	Sequence number. This sequence number is changed whenever a new "instance" of this entity comes into use
92	(5C)	BITSTRING	2	IXLYAMDCF_CUID	Control unit ID
94	(5E)	CHARACTER	2		Unused
96	(60)	CHARACTER	64	IXLYAMDCF_HWINFORMATION (0)	Facility Hardware information
96	(60)	CHARACTER	64	IXLYAMDCF_HWINFODETAIL (0)	Facility Hardware information subfield mapping is valid when IXLYAMDCF_HWInfoDetailValid is set
96	(60)	CHARACTER	4		Model dependent
100	(64)	SIGNED	2	IXLYAMDCF_CFCCRELEASE (0)	CFCC RELEASE xx.yy

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
100	(64)	BITSTRING	1	IXLYAMDCF_RELEASE1	xx (packed decimal)
101	(65)	BITSTRING	1	IXLYAMDCF_RELEASE2	yy (can be treated as packed decimal only for official releases and service levels, otherwise all hex values are possible)
102	(66)	SIGNED	2	IXLYAMDCF_SERVICELEVEL (0)	SERVICE LEVEL xx.yy (both xx and yy can be treated as packed decimal only for official releases and service levels, otherwise all hex values are possible)
102	(66)	BITSTRING	1	IXLYAMDCF_LEVEL1	xx
103	(67)	BITSTRING	1	IXLYAMDCF_LEVEL2	yy
104	(68)	SIGNED	4	IXLYAMDCF_BUILDDATE (0)	BUILT ON mm/dd/yyyy
104	(68)	BITSTRING	1	IXLYAMDCF_DATE1	mm (packed decimal)
105	(69)	BITSTRING	1	IXLYAMDCF_DATE2	dd (packed decimal)
106	(6A)	SIGNED	2	IXLYAMDCF_DATE3	yyyy (packed decimal)
108	(6C)	CHARACTER	3	IXLYAMDCF_BUILDTIME (0)	AT hh:mm:ss
108	(6C)	BITSTRING	1	IXLYAMDCF_TIME1	hh (packed decimal)
109	(6D)	BITSTRING	1	IXLYAMDCF_TIME2	mm (packed decimal)
110	(6E)	BITSTRING	1	IXLYAMDCF_TIME3	ss (packed decimal)
111	(6F)	CHARACTER	30		model dependent
141	(8D)	CHARACTER	3	IXLYAMDCF_MFR	'IBM' - Manufacturer ID from CF Node Descriptor for IBM coupling facilities
160	(A0)	SIGNED	2	IXLYAMDCF_NOSP	Number shared processors in the facility (LEVEL15)
162	(A2)	SIGNED	2	IXLYAMDCF_NODP	Number dedicated processors in the facility (LEVEL15)
164	(A4)	CHARACTER	12		Unused

Comment

Facility Entry
Accounting and Measurement Data

End of Comment

176	(B0)	SIGNED	4	IXLYAMDCF_SUBCH_CONTENTION	Count of times a free subchannel was not available for synchronous immediate operations
180	(B4)	CHARACTER	8	IXLYAMDCF_CONTENTIONTIME	Summed contention time for waiting for subchannels to become free (u-sec) for synchronous immediate operations
188	(BC)	CHARACTER	8	IXLYAMDCF_CONTENTIONTIMESQR	Summed contention time for waiting for subchannels to become free (u-sec squared) for synchronous immediate operations
196	(C4)	SIGNED	4	IXLYAMDCF_SUBCH_ALLOCATED	Count of number of subchannels that this facility has been allocated
200	(C8)	SIGNED	4	IXLYAMDCF_SUBCH_INUSE	Count of number of subchannels available for use
204	(CC)	SIGNED	4	IXLYAMDCF_SUBCH_MAXLIMIT	Count of total number of subchannels that could be used for operations if available
208	(D0)	SIGNED	4	IXLYAMDCF_STRUCTURE_COUNT	Count of number of structures in use by connectors from this system
212	(D4)	CHARACTER	4		Unused
216	(D8)	SIGNED	4	IXLYAMDCF_FAILEDOPTIMECOUNT	Count of the number of summed times -- for unsuccessful operations
220	(DC)	CHARACTER	8	IXLYAMDCF_FAILEDOPSUMTIME	Summed service time of unsuccessful operations (u-sec)
228	(E4)	CHARACTER	8	IXLYAMDCF_FAILEDOPSUMTIMESQR	Square of the summed service time of unsuccessful operations (u-sec squared)
236	(EC)	CHARACTER	8	IXLYAMDCF_ACCUMULATEDUTILCOUNT	Utilization count accumulated from the subchannels that have been deallocated
244	(F4)	CHARACTER	8	IXLYAMDCF_ACCUMULATEDBUSYCOUNT	

IXLYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Path Busy count accumulated from the subchannels that have been deallocated
Comment					
Facility Entry Control Information					
End of Comment					
252	(FC)	SIGNED	4	IXLYAMDCF_TS	Total facility space in 4K blocks. Facility space is made up of free space, dump space, control space and structure space
256	(100)	SIGNED	4	IXLYAMDCF_FS	Total Free space in 4K blocks. Free Space = Free control space + free non-control space
260	(104)	SIGNED	4	IXLYAMDCF_TCS	Total Control space in 4K blocks. Control space + non- control space = total space
264	(108)	SIGNED	4	IXLYAMDCF_FCS	Total Free control space in 4K blocks
268	(10C)	CHARACTER	16	IXLYAMDCF_GDC (0)	Global dumping controls
268	(10C)	SIGNED	4	IXLYAMDCF_TDS	Total Dumping Space in 4K blocks. If TDS is lower than the MRDS then the dump space is not large enough to contain the largest structure that was dumped.
272	(110)	SIGNED	4	IXLYAMDCF_FDS	Free Dumping Space in 4K blocks. If FDS is smaller than the MRDS than there is not enough available dump space to contain the largest structure that was dumped.
276	(114)	SIGNED	4	IXLYAMDCF_ADTC	Associated dump table count. If this count is frequently more than one then multiple structures are being dumped at the same time
280	(118)	SIGNED	4	IXLYAMDCF_MRDS	Maximum Requested Dumping Space in 4K blocks
284	(11C)	BITSTRING	1	IXLYAMDCF_MDX	Largest Data Element size, where size in bytes is 256*(2**MDX)
285	(11D)	CHARACTER	1	IXLYAMDCF_STGI	Storage increment in 4K blocks
286	(11E)	SIGNED	2	IXLYAMDCF_CFLEVEL	Coupling facility architected function level
288	(120)	SIGNED	4	IXLYAMDCF_CFLEVEL	Unused
292	(124)	CHARACTER	12	IXLYAMDCF_LEN	Unused
292	(124)	X'130'	0	IXLYAMDCF_LEN	** -IXLYAMDCF"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	IXLYAMDCF1	Coupling Facility (CF) Entry, AmdaLevel1
0	(0)	CHARACTER	304	IXLYAMDCF1	Mapped by IXLYAMDCF
304	(130)	ADDRESS	4	IXLYAMDCF1_RFADDR	Address of the first Remote Facility record for this CF. A non-zero value will be returned when HWSTATISTICS=(YESICF) and AMDALEVEL=(1|higher) are specified and this CF is connected to one or more remote CFs. A value of zero indicates either the data was not requested or there are no remotely connected facilities for this CF.
308	(134)	ADDRESS	4	IXLYAMDCF1_CPADDR	Address of the Channel Path record for this CF. A non-zero value will be returned when AMDALEVEL= (1|higher) is specified.
312	(138)	CHARACTER	8	IXLYAMDCF1_TSCM	Total CF storage-class memory in 4K blocks. Total CF storage-class memory is the amount of storage-class memory that may be concurrently used as structure extensions. It is equal to the sum of the free CF storage-class memory and the storage-class memory in use by structures in the facility (LEVEL19)
320	(140)	CHARACTER	8	IXLYAMDCF1_FSCM	Free CF storage-class memory in 4k blocks. Free CF storage-class memory is the difference between the total CF storage-class memory and the sum of the CF storage-class memory in use by all structures in the facility (LEVEL19)
328	(148)	SIGNED	2	IXLYAMDCF1_SSTGI	Storage-class memory increment. Number of 4k blocks that are assigned to a single storage-class memory segment (LEVEL19)
330	(14A)	CHARACTER	102	IXLYAMDCF1_LEN	Reserved
330	(14A)	X'1B0'	0	IXLYAMDCF1_LEN	** -IXLYAMDCF1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSLL	Structure Limits for a List Structure (SLL) Entry
0	(0)	BITSTRING	1	IXLYAMDSLL_TYPE	X'11' -- indicates SLL data for CF Unused
1	(1)	CHARACTER	3		
4	(4)	SIGNED	4	IXLYAMDSLL_LENGTH	Length of IXLYAMDSLL entry mapping
8	(8)	ADDRESS	4	IXLYAMDSLL_SLNEXT	Address of next limit entry. A value of 0 means last entry for this facility.

Comment

List Structure Limits Entry
Structure Limits

End of Comment

12	(C)	SIGNED	4	IXLYAMDSLL_LNL	List Header Number limit
16	(10)	BITSTRING	1	IXLYAMDSLL_LTECHL	List lock table entry characteristic limit. The maximum supported size of a lock table entry in bytes is 2**LTECHL.
17	(11)	BITSTRING	1	IXLYAMDSLL_UIDL	Userid Limit Unused
18	(12)	CHARACTER	2		
20	(14)	SIGNED	4	IXLYAMDSLL_SLNDL	Subsidiary list notification delay (SLND) limit. Bit positions 0-31 correspond to bit positions 32-63 of the CPU timer. Bit 19 represents one microsecond. (CFLEVEL>=16) Unused
24	(18)	CHARACTER	12		
24	(18)	X'24'	0	IXLYAMDSLL_LEN	**IXLYAMDSLL"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSLL1	Structure Limits for a List Structure (SLL) Entry, AmdaLevel1
0	(0)	CHARACTER	36		Mapped by IXLYAMDSLL
36	(24)	CHARACTER	128		Reserved
36	(24)	X'A4'	0	IXLYAMDSLL1_LEN	**IXLYAMDSLL1"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSLC	Structure Limits for Cache Structure (SLC) Entry
0	(0)	BITSTRING	1	IXLYAMDSLC_TYPE	X'12' -- indicates SLC data for CF Unused
1	(1)	CHARACTER	3		
4	(4)	SIGNED	4	IXLYAMDSLC_LENGTH	Length of IXLYAMDSLC entry mapping
8	(8)	ADDRESS	4	IXLYAMDSLC_SLNEXT	Address of next limit entry. A value of 0 means last entry for this facility.

Comment

Cache Structure Limits Entry
Structure Limits

End of Comment

12	(C)	BITSTRING	1	IXLYAMDSLC_LCIDLMT	Cache local cache identifier limit reserved
13	(D)	CHARACTER	2		
15	(F)	BITSTRING	1	IXLYAMDSLC_SCLMT	Cache storage class limit
16	(10)	SIGNED	2	IXLYAMDSLC_CCLMT	Cache cast-out class limit Unused
18	(12)	CHARACTER	18		
18	(12)	X'24'	0	IXLYAMDSLC_LEN	**IXLYAMDSLC"

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSLC1	Structure Limits for a Cache Structure (SLC) Entry, AmdaLevel1
0	(0)	CHARACTER	36		Mapped by IXLYAMDSLC
36	(24)	CHARACTER	28		Reserved
36	(24)	X'40'	0	IXLYAMDSLC1_LEN	**-IXLYAMDSLC1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDCFMI	Coupling Facility Measurement Information (CFMI) Entry
0	(0)	BITSTRING	1	IXLYAMDCFMI_TYPE	X'13' -- indicates CFMI data for CF
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDCFMI_LENGTH	Length of IXLYAMDCFMI entry
8	(8)	ADDRESS	4	IXLYAMDCFMI_INFO@	Address of the measurement information array. An address of 0 indicates no elements are provided
12	(C)	SIGNED	4	IXLYAMDCFMI_INFOELEM	Number of elements in the array Each element contains the processor number and the measurement block for each valid processor
12	(C)	X'10'	0	IXLYAMDCFMI_LEN	**-IXLYAMDCFMI"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDCFMINFO	Facility Measurement Information Element
0	(0)	SIGNED	4	IXLYAMDCFMINFO_PNUM	Processor number for which measurement information is provided
4	(4)	CHARACTER	64	IXLYAMDCFMINFO_PMB (0)	Processor measurement block
4	(4)	SIGNED	4	IXLYAMDCFMINFO_PEXTIME	Processor execution time
8	(8)	SIGNED	4	IXLYAMDCFMINFO_PWTTIME	Processor wait time
12	(C)	CHARACTER	1	IXLYAMDCFMINFO_PFLAGS (0)	1... ..
13	(D)	CHARACTER	1	IXLYAMDCFMINFO_PSDI	"X'80" '1'B if processor is dedicated, '0'B if shared (LEVEL15)
14	(E)	SIGNED	2	IXLYAMDCFMINFO_PCWGT	reserved
16	(10)	CHARACTER	52		Processor current weight. Range 0-999 for shared processor. Equals 65535 for dedicated processor. (LEVEL15)
16	(10)	X'44'	0	IXLYAMDCFMINFO_LEN	reserved **-IXLYAMDCFMINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDCFRF	CF Remote Facility Entry
0	(0)	BITSTRING	1	IXLYAMDCFRF_TYPE	X'14' -- indicates remote facility entry. (LEVEL10)
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDCFRF_LENGTH	Length of IXLYAMDCFRF entry mapping. (LEVEL10)
8	(8)	ADDRESS	4	IXLYAMDCFRF_RFNEXT	Address of next remote facility entry. A value of zero indicates this is the last entry for this facility. (LEVEL10)

Comment

CFRF Remote Facility Data

End of Comment

12	(C)	CHARACTER	32	IXLYAMDCFRF_NODE	Hardware node descriptor for the remotely connected CF. Mapped by IXLYNDE. (LEVEL10)
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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
44	(2C)	CHARACTER	8	IXLYAMDCFRF_SYID	System identification value for the remotely connected CF. (LEVEL10)
52	(34)	CHARACTER	8	IXLYAMDCFRF_CFNAME	Coupling facility name for the remotely connected CF, or binary zeroes if the CF's node descriptor does not match any CF that is both (a) defined in the CFRM active policy, and (b) also accessible to the system on which the IXLGM request was made. (LEVEL10)
60	(3C)	BITSTRING	1	IXLYAMDCFRF_PGS	Path group size. The number of currently active receiver/peer paths over which signals may be sent from the subject CF to this remote CF. (LEVEL10)
61	(3D)	CHARACTER	3		Unused
64	(40)	BITSTRING	8	IXLYAMDCFRF_RFCTOC	Remote facility controls time of creation. The time of day (TOD) value at the subject CF when the remote facility controls for this remote CF were created. Note that since coupling facilities do not use the Sysplex Timer for TOD clock synchronization, this RFCTOC value may not be meaningfully compared with RFCTOC values obtained from any other subject CF. For the same reason, RFCTOC values may not be meaningfully compared with TOD clock values obtained on any system in the sysplex. In order to meaningfully compare two sets of remote facility signal counters, obtained for the same subject CF and remote CF at different points in time, the RFCTOC values obtained for the two sets of counters must be identical. (LEVEL10)
72	(48)	SIGNED	4	IXLYAMDCFRF_RTESC	Ready to execute signal counter. The number of ready to execute signals which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
76	(4C)	SIGNED	4	IXLYAMDCFRF_RTCSC	Ready to complete signal counter. The number of ready to complete signals which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
80	(50)	SIGNED	4	IXLYAMDCFRF_HESC	Halt execution signal counter. The number of halt execution signals which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
84	(54)	SIGNED	4	IXLYAMDCFRF_RFSSC	Request for suppression signal counter. The number of request for suppression signals which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
88	(58)	SIGNED	4	IXLYAMDCFRF_RFSASC	Request for suppression accepted signal counter. The number of request for suppression accepted signals which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
92	(5C)	SIGNED	4	IXLYAMDCFRF_SSTFM	Sum of signal service times. The sum of service times includes service times for all types of requests which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created, and also includes the service time associated with any redrives of those signals. However, it excludes any delay time associated with these signals (delay time is accounted for separately). NOTE: The SSTFM has been extended to 64-bits to prevent the value from wrapping in a given data gathering interval. The 64-bit value is contained in IXLYAMDCFRF_SSTFME. When the value of IXLYAMDCFRF_SSTFME is non-zero, obtain the SSTFM from IXLYAMDCFRF_SSTFME. When the IXLYAMDCFRF_SSTFME is zero, obtain the SSTFM from IXLYAMDCFRF_SSTFM. (LEVEL10)
96	(60)	CHARACTER	8	IXLYAMDCFRF_SSTSM	Sum of squares of signal service times. The sum of squares of service times includes squared service times for all types of requests which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created, and also includes the squared service time associated with any redrives of those signals. However, it excludes any delay time associated with these signals (delay time is accounted for separately). (LEVEL10)
104	(68)	SIGNED	4	IXLYAMDCFRF_DSC	Delayed signal counter. The number of signals of all types which have experienced a delay in being sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
108	(6C)	SIGNED	4	IXLYAMDCFRF_SDTFM	Sum of signal delay times. The sum of delay times includes delay times for all types of requests which have been sent from the subject CF this remote CF since the time at which the remote facility controls were created. (LEVEL10)
112	(70)	CHARACTER	8	IXLYAMDCFRF_SDTSM	

IXLYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
120	(78)	SIGNED	4	IXLYAMDCFRF_SRDSC	Sum of squares of signal times. The sum of squares of delay times includes squared delay times for all types of requests which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
124	(7C)	CHARACTER	1	IXLYAMDCFRF_CHPIDTYPES (0)	Signal redrives signal counter. The number of redrives of signals of all types which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created. (LEVEL10)
124	(7C)	BITSTRING	1	IXLYAMDCFRF_CHPIDTYPE	A chpid type is provided for each active receiver/peer message path in the path group. The number of valid IXLYAMDCFRF_CHPIDTYPE entries returned in each IXLYAMDCFRF is equal to the path group size returned in IXLYAMDCFRF_PGS
132	(84)	CHARACTER	8	IXLYAMDCFRF_SSTFME	CHPID Type
140	(8C)	CHARACTER	1	IXLYAMDCFRF_CHPIDS (0)	64-bit Sum of signal service times. The sum of service times includes service times for all types of requests which have been sent from the subject CF to this remote CF since the time at which the remote facility controls were created, and also includes the service time associated with any redrives of those signals. However, it excludes any delay time associated with these signals (delay time is accounted for separately). NOTE: When the value of IXLYAMDCFRF_SSTFME is non-zero, obtain the SSTFM from IXLYAMDCFRF_SSTFME. When the IXLYAMDCFRF_SSTFME is zero, obtain the SSTFM from IXLYAMDCFRF_SSTFM. (LEVEL11)
140	(8C)	BITSTRING	1	IXLYAMDCFRF_CHPID	One CHPID for each active receiver/peer message path in the path group. The number of valid IXLYAMDCFRF_CHPIDS entries returned in each IXLYAMDCFRF is equal to the path group size returned in IXLYAMDCFRF_PGS
					Channel path ID
Comment					
<p>Each entry in the IXLYAMDCFRF_Validity array describes the validity of fields in the corresponding entry in the IXLYAMDCFRF_PathData array.</p>					
End of Comment					
148	(94)	BITSTRING	1	IXLYAMDCFRF_VALIDITY (0)	Validity flags for IXLYAMDCFRF_PathData
		1... ..		IXLYAMDCFRF_MODEVALID	"X'80" On when IXLYAMDCFRF_Mode is valid
		.1.. ..		IXLYAMDCFRF_LATENCYVALID	"X'40" On when IXLYAMDCFRF_Latency is valid
		..1.		IXLYAMDCFRF_DEGRADEDVALID	"X'20" On when IXLYAMDCFRF_Degraded is valid
156	(9C)	CHARACTER	12	IXLYAMDCFRF_PATHDATA (0)	Path- specific data
156	(9C)	BITSTRING	1	IXLYAMDCFRF_MODE	Additional information describing the mode of operation of the path - see constants IXLYAMDA_PathMode_Xxx. Valid when IXLYAMDCFRF_ModeValid on.
157	(9D)	BITSTRING	1	IXLYAMDCFRF_FLAGS (0)	Path-related flags
		1... ..		IXLYAMDCFRF_DEGRADED	"X'80" On => path is operating at reduced capacity, or is not operating. Valid when IXLYAMDCFRF_DegradedValid on.
158	(9E)	CHARACTER	2		Reserved
160	(A0)	SIGNED	4	IXLYAMDCFRF_LATENCY	Average round- trip path time, in microseconds. A value of 0 means that the time has not been or cannot be measured. A value of 1 means a time less than or equal to 1 microsecond. Valid when IXLYAMDCFRF_LatencyValid on.
164	(A4)	CHARACTER	4		Reserved
252	(FC)	CHARACTER	4		Reserved
252	(FC)	X'100'	0	IXLYAMDCFRF_LEN	"*-IXLYAMDCFRF"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDCFCP	CF Channel Path record
0	(0)	BITSTRING	1	IXLYAMDCFCP_TYPE	x'15' - indicates channel path entry
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDCFCP_LENGTH	Length of IXLYAMDCFCP entry mapping, not including the array pointed to by IXLYAMDCFCP_PathInfo@
8	(8)	ADDRESS	4		Reserved, always 0 (maps to the generic next-record pointer, but there is never more than one channel path record per CF)
12	(C)	SIGNED	4	IXLYAMDCFCP_NUMENTRIES	Number of channel path information array entries. Always the same as the number of elements in IXLYAMDSC_Chpcids.
16	(10)	SIGNED	4	IXLYAMDCFCP_ENTRYLEN	Length of each channel path information array entry
20	(14)	ADDRESS	4	IXLYAMDCFCP_PATHINFO@	Address of channel path information array.
20	(14)	X'18'	0	IXLYAMDCFCP_LEN	**-IXLYAMDCFCP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDCFCPINFO	CF channel path description
0	(0)	BITSTRING	1	IXLYAMDCFCP_CHPID	CHPID
1	(1)	BITSTRING	1	IXLYAMDCFCP_PATHTYPE	Path type - see constants IXLYAMDA_CHPIDType_Xxx
2	(2)	CHARACTER	2		Reserved
4	(4)	BITSTRING	4	IXLYAMDCFCP_VALIDITY (0)	Validity flags
4	(4)	BITSTRING	1	IXLYAMDCFCP_VALIDITY1 (0)	IXLYAMDCFCP_ATTACHMENTVALID "X'80" On when fields in IXLYAMDCFCP_AttachmentInfo are valid
		1... ..			
		.1... ..			IXLYAMDCFCP_MODEVALID "X'40" On when IXLYAMDCFCP_Mode is valid
		..1... ..			IXLYAMDCFCP_LATENCYVALID "X'20" On when IXLYAMDCFCP_Latency is valid
		...1... ..			IXLYAMDCFCP_DEGRADEDVALID "X'10" On when IXLYAMDCFCP_Degraded is valid
		.... 1111			IXLYAMDCFCP_AFFINITYVALID "X'0F" Each bit is on when the corresponding entry in IXLYAMDCFCP_SAP_Affinity is valid
5	(5)	BITSTRING	1	IXLYAMDCFCP_VALIDITY2 (0)	IXLYAMDCFCP_CHIDVALID "X'80" On when IXLYAMDCFCP_CHID is valid
		1... ..			
6	(6)	BITSTRING	1	IXLYAMDCFCP_VALIDITY3	Reserved
7	(7)	BITSTRING	1	IXLYAMDCFCP_VALIDITY4	Reserved
8	(8)	CHARACTER	3	IXLYAMDCFCP_ATTACHMENTINFO (0)	Physical attachment information. Valid when IXLYAMDCFCP_AttachmentValid on.
8	(8)	SIGNED	2	IXLYAMDCFCP_ADAPTERID	Identifies the adapter through which the path is connected
10	(A)	BITSTRING	1	IXLYAMDCFCP_PORTNUM	Identifies the adapter port to which the path is connected
11	(B)	BITSTRING	1	IXLYAMDCFCP_MODE	Additional information describing the mode of operation of the path - see constants IXLYAMDA_PathMode_Xxx. Valid when IXLYAMDCFCP_ModeValid on.
12	(C)	SIGNED	4	IXLYAMDCFCP_LATENCY	Average round-trip path time, in microseconds. A value of 0 means that the time has not been or cannot be measured. A value of 1 means a time less than or equal to 1 microsecond. Valid when IXLYAMDCFCP_LatencyValid on.
16	(10)	BITSTRING	1	IXLYAMDCFCP_FLAGS (0)	Path-related flags
		1... ..			IXLYAMDCFCP_DEGRADED

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
17	(11)	CHARACTER	1		"X'80" On => path is operating at reduced capacity, or is not operating. Valid when IXLYAMDCFCP_DegradedValid on.
18	(12)	SIGNED	2	IXLYAMDCFCP_CHID	Reserved
20	(14)	BITSTRING	1	IXLYAMDCFCP_SAP_AFFINITY	Channel ID (PCHID). Valid when IXLYAMDCFCP_CHIDValid on.
24	(18)	CHARACTER	40		Array of I/O processors (System Assist Processors) to which this path is accessible. Each array entry is valid when the corresponding bit in IXLYAMDCFCP_AffinityValid is on. Valid values are 0-255.
24	(18)	X'40'	0	IXLYAMDCFCPINFO_LEN	Reserved
					**-IXLYAMDCFCPINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSTR	Structure Entry for List Structure (STRL)
0	(0)	BITSTRING	1	IXLYAMDSTRL_TYPE	
1	(1)	CHARACTER	3		X'21' -- indicates STR data for CF
4	(4)	SIGNED	4	IXLYAMDSTRL_LENGTH	Unused
8	(8)	ADDRESS	4	IXLYAMDSTRL_STRNEXT	Length of IXLYAMDSTR entry mapping
					Address of next STR entry. A value of 0 means last entry for this facility.

Comment

LIST Configuration Data

End of Comment

12	(C)	BITSTRING	1	IXLYAMDSTRL_TTY	Structure type identifier
13	(D)	CHARACTER	1	IXLYAMDSTRL_TTY_STATUS	Structure type identifier
		1... ..		(0)	
				IXLYAMDSTRL_TYPERELIST	"X'80" The List structure is a serialized list
		.1.. ..		IXLYAMDSTRL_RBLDVALID	"X'40" The structure rebuild status indications reported in the IXLYAMDSTRL_RBLDStatus are valid -- These values will only be valid and reported when information is requested for a particular structure
14	(E)	SIGNED	2	IXLYAMDSTRL_SID	Structure ID
16	(10)	BITSTRING	8	IXLYAMDSTRL_VERSION	Structure version number. Changes when a new physical instance of the structure is allocated (e.g., user- or system-managed rebuild), and there is at least one active connector to observe the allocation.
				(0)	
16	(10)	BITSTRING	8	IXLYAMDSTRL_PHYSICALVERSION	Structure version number. Changes when a new physical instance of the structure is allocated (e.g., user- or system-managed rebuild), and there is at least one active connector to observe the allocation.
24	(18)	CHARACTER	16	IXLYAMDSTRL_STRNAME	Structure name
40	(28)	BITSTRING	1	IXLYAMDSTRL_RBLDSTATUS	Rebuild status flags This information will only be valid if IXLYAMDSTRL_RBLDValid is set.
		1... ..		(0)	
				IXLYAMDSTRL_STRINREBLD	"X'80" ON indicates that the structure is in rebuild
		.1.. ..		IXLYAMDSTRL_REBLDOLDSTR	"X'40" ON indicates that the structure information pertains to the OLD structure
		..1.		IXLYAMDSTRL_REBLDNEWSTR	"X'20" ON indicates that the structure information pertains to the NEW structure
		...1		IXLYAMDSTRL_REBLDDUPLEXSTR	"X'10" ON indicates the structure rebuild is a duplexing rebuild. OFF indicates the structure rebuild is a normal rebuild. This bit only applies when IXLYAMDSTRL_StrInRebid is on.
		.... 1...		IXLYAMDSTRL_REBLDMETHODSTR	"X'08" ON indicates the structure rebuild is system managed. OFF indicates the structure rebuild is user managed. This bit only applies when IXLYAMDSTRL_StrInRebid is on.
41	(29)	CHARACTER	3		

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
LIST Measurement Data					
End of Comment					
44	(2C)	CHARACTER	1	IXLYAMDSTRL_STATUS (0)	Structure status bits
		1...		IXLYAMDSTRL_AMVALID	"X'80" The following measurement data is valid
		.1..		IXLYAMDSTRL_DUMPSERIALHELD	"X'40" Dump serialization is held against this structure - internal operations are failed, - external operations are delayed. Hardware control data will not be available.
45	(2D)	CHARACTER	1		Unused
Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRL_AMValid flag					
End of Comment					
46	(2E)	SIGNED	2	IXLYAMDSTRL_AMDATASEQUENCE	Sequence number associated with this instance of Measurement Data from this system.
48	(30)	SIGNED	4	IXLYAMDSTRL_REQCT	Total requests by structure (this relates to external requests such as IXLLIST macro invocations, NOT to requests sent to the facility).
52	(34)	SIGNED	4	IXLYAMDSTRL_REQCTASYNC	Total asynchronous requests started (LOCK structure only)
56	(38)	SIGNED	4	IXLYAMDSTRL_CONTCT	Total number of requests that encountered contention on a lock table entry (LOCK structure only)
60	(3C)	SIGNED	4	IXLYAMDSTRL_FCONTCT	False contention count = Total number of requests that encountered false contention on a lock table entry (LOCK structure only)
64	(40)	SIGNED	4	IXLYAMDSTRL_CRITICALREQUESTCOUNT	Total number of IXLLOCK CRITICALREQUEST=1 requests (LOCK structure only)
68	(44)	SIGNED	4	IXLYAMDSTRL_HIWORKQUEUECOUNT	Current count of the number of operations queued for subchannel contention
72	(48)	SIGNED	4	IXLYAMDSTRL_WORKQUEUECOUNT	Current count of the number of operations queued for subchannel contention
76	(4C)	SIGNED	4	IXLYAMDSTRL_DELAYQUEUECOUNT	Current count of the number of operations delayed for dump serialization and/or a system-managed process (e.g., rebuild)
80	(50)	SIGNED	4	IXLYAMDSTRL_DUMPSERIALRELEASED	Count of the number of times dump serialization was obtained and released for this structure
84	(54)	SIGNED	4	IXLYAMDSTRL_SYNCTIMECOUNT	Count of the number of summed times -- for successful operations. This count represents synchronous operations to the coupling facility.
88	(58)	CHARACTER	8	IXLYAMDSTRL_SYNCSUMTIME	Summed service time (u-sec)
96	(60)	CHARACTER	8	IXLYAMDSTRL_SYNCSUMTIMESQR	Summed service time (u-sec squared)
104	(68)	SIGNED	4	IXLYAMDSTRL_ASYNCIMECOUNT	Count of the number of summed times -- for asynchronous operations. This count represents asynchronous operations to the coupling facility.
108	(6C)	CHARACTER	8	IXLYAMDSTRL_ASYNCSUMTIME	Summed service time (u-sec)
116	(74)	CHARACTER	8	IXLYAMDSTRL_ASYNCSUMTIMESQR	Summed service time squared (u-sec squared)
124	(7C)	SIGNED	4	IXLYAMDSTRL_QUEUEIMECOUNT	Count of the number of summed times -- for operation queue time
128	(80)	CHARACTER	8	IXLYAMDSTRL_QUEUESUMTIME	Summed queue time (u-sec)
136	(88)	CHARACTER	8	IXLYAMDSTRL_QUEUESUMTIMESQR	Summed queue time squared (u-sec squared)
144	(90)	SIGNED	4	IXLYAMDSTRL_DELAYIMECOUNT	Count of the number of summed times -- for operation delay time for dump serialization

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
148	(94)	CHARACTER	8	IXLYAMDSTRL_DELAYSUMTIME	Summed delay time (u-sec)
156	(9C)	CHARACTER	8	IXLYAMDSTRL_DELAYSUMTIMESQR	Summed delay time squared (u-sec squared)
164	(A4)	SIGNED	4	IXLYAMDSTRL_SYNCTOASYNCCOUNT	Count of the number of times a synchronous operation could not be performed synchronously and was changed to an asynchronous operation
168	(A8)	SIGNED	4	IXLYAMDSTRL_TOTALHIWORKCOUNT	Total count of the number of operations queued for subchannel contention
172	(AC)	SIGNED	4	IXLYAMDSTRL_TOTALWORKCOUNT	Total count of the number of operations queued for subchannel contention
176	(B0)	CHARACTER	4		RESERVED
Comment					
End fields whose validity is indicated by the IXLYAMDSTRL_AMValid flag LIST Control Structure Information					
End of Comment					
180	(B4)	BITSTRING	1	IXLYAMDSTRL_DATAFLAGS	
		1...		(0) IXLYAMDSTRL_VALID	"X'80" The following list control structure information is valid
		.... 1...		IXLYAMDSTRL_DTSVALID	"X'08" Structure dump table size information is valid
181	(B5)	CHARACTER	2		not used
Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRL_Valid flag					
End of Comment					
183	(B7)	BITSTRING	1	IXLYAMDSTRL_FLAGS2	
		1...		(0) IXLYAMDSTRL_REIPI	Flags
		.1..		IXLYAMDSTRL_SSCI	"X'80" Reapportionment in progress indicator. 1=structure ALTER to change ratio is in progress (LEVEL1)
		..1.		IXLYAMDSTRL_MREIPI	"X'40" Structure size change in progress indicator. 1=structure ALTER to change structure size is in progress (LEVEL1)
		...1		IXLYAMDSTRL_IRTCEI	"X'20" Monitor Reapportionment change in progress indicator. 1=structure ALTER to change Event Monitor Controls is in progress (LEVEL4)
					"X'10" Immediate RTC completion enablement indicator. 1 ==> immediate RTC completion controls have been set for this structure, allowing enablement of the expedited duplex completion protocol. (LEVEL16)
184	(B8)	BITSTRING	1	IXLYAMDSTRL_MDLES	Maximum data list entry size (maximum number of elements per entry)
185	(B9)	BITSTRING	1	IXLYAMDSTRL_STFLAGS	
185	(B9)	BITSTRING	1	IXLYAMDSTRL_ST	
		1...		(0) IXLYAMDSTRL_ST_SKI	Structure type values
		.1..		IXLYAMDSTRL_ST_PLEIDI	"X'80" Secondary key indicator 0 ==> Secondary keys are not supported. 1 ==> Secondary keys are supported. (CF level >=9)
		..1.		IXLYAMDSTRL_ST_CI	"X'40" Programmable LEID indicator (LEVEL8)
		...1		IXLYAMDSTRL_ST_LI	"X'20" Count indicator. 1= list limit accounting by elements, 0 = list limit accounting by entries
		.... 1...		IXLYAMDSTRL_ST_DI	"X'10" Lock Indicator
		.... .1..		IXLYAMDSTRL_ST_AI	"X'08" Data Indicator
		.... ..1.		IXLYAMDSTRL_ST_NI	"X'04" Adjunct indicator
					"X'02" Name indicator

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		IXLYAMDSTRL_ST_KI	"X'01'" Key indicator
186	(BA)	BITSTRING	1	IXLYAMDSTRL_LTECH	Lock table entry characteristic. The width of a lock table entry in bytes is 2**LTECH
187	(BB)	BITSTRING	1	IXLYAMDSTRL_LELX	List element characteristic. The size of a list element in bytes is 256*(2**LELX)
188	(BC)	SIGNED	4	IXLYAMDSTRL_NLE	Lock table entry count
192	(C0)	SIGNED	4	IXLYAMDSTRL_LC	List count - number of list headers in the structure
196	(C4)	SIGNED	4	IXLYAMDSTRL_SS	Structure size in 4k blocks
200	(C8)	SIGNED	4	IXLYAMDSTRL_MSS	Maximum structure size in 4K blocks.
204	(CC)	SIGNED	4	IXLYAMDSTRL_MINSS	Minimum structure size in 4K blocks. The structure may actually be allocated smaller than this, but if so, structure attributes such as entry/element ratio will differ significantly from those which were requested.
208	(D0)	SIGNED	4	IXLYAMDSTRL_MLSELC	Maximum number of list elements that can reside in coupling facility real storage. This count is only substantially accurate.
212	(D4)	SIGNED	4	IXLYAMDSTRL_LSELC	Number of structure list elements in the list set which are currently in use that reside in coupling facility real storage.
216	(D8)	SIGNED	4	IXLYAMDSTRL_NLTEC	Non-zero lock table entry count. This count is only substantially accurate.
220	(DC)	SIGNED	4	IXLYAMDSTRL_MLSEC	LIST Structure = Maximum number of list entries that can reside in coupling facility real storage for the structure. LOCK Structure = Maximum number of record data elements. This count is only substantially accurate.
224	(E0)	SIGNED	4	IXLYAMDSTRL_LSEC	LIST Structure = Number of structure list entries in the list set which are currently in use that reside in coupling facility real storage. LOCK Structure = Number of record entries in the structure which are currently in use.
228	(E4)	SIGNED	4	IXLYAMDSTRL_DTS	Structure dump table size in 4k blocks
232	(E8)	SIGNED	4	IXLYAMDSTRL_MRSS	Marginal structure size. This is the true minimum size with which the structure can be allocated, regardless of ratio considerations. (LEVEL1)
236	(EC)	SIGNED	4	IXLYAMDSTRL_TSS	Target structure size. For a CFLEVEL 0 facility, the target structure size will be equal to the actual structure size. For a CFLEVEL 1 or higher facility, the target structure size will be equal to the target structure size specified on the initial allocate or subsequent expand or contract request. The target size may or may not be equal to the actual size. (LEVEL1)
240	(F0)	SIGNED	4	IXLYAMDSTRL_TMELC	Target maximum element count. For a CFLEVEL 0 facility the target maximum element count will be equal to the actual maximum element count. For CFLEVEL 1 or higher facilities, the target maximum element count will reflect the target ratio specified on the initial allocate or subsequent reapportionment request. This may or may not equal the actual maximum element count. (LEVEL1)
244	(F4)	SIGNED	4	IXLYAMDSTRL_TMEC	Target maximum entry count. For a CFLEVEL 0 facility the target maximum entry count will be equal to the actual maximum entry count. For CFLEVEL 1 or higher facilities, the target maximum entry count will reflect the target ratio specified on the initial allocate or subsequent reapportionment request. This may or may not equal the actual maximum entry count. (LEVEL1)
248	(F8)	SIGNED	4	IXLYAMDSTRL_PETELR (0)	Pending entry to element ratio. This field is only applicable to CFLEVEL 1 or higher facilities. (LEVEL1)
248	(F8)	SIGNED	2	IXLYAMDSTRL_PETELR_ENTRY	Entry ratio portion (LEVEL1)
250	(FA)	SIGNED	2	IXLYAMDSTRL_PETELR_ELEMENT	Element ratio portion (LEVEL1)
252	(FC)	SIGNED	4	IXLYAMDSTRL_EMCCNT	Count of Event Monitor Control (EMC) objects in use by the structure. Applicable only if structure allocated in CFLEVEL 3 or higher facility.
256	(100)	SIGNED	4	IXLYAMDSTRL_MAXEMCCNT	Maximum number of EMCs for the structure. Applicable only if structure allocated in CFLEVEL 3 or higher facility.
260	(104)	SIGNED	4	IXLYAMDSTRL_TMAXEMCCNT	

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Target Maximum number of EMCs for the structure. Applicable only if structure allocated in CFLEVEL 3 or higher facility.
Comment					
End fields whose validity is indicated by the IXLYAMDSTRL_Valid flag					
End of Comment					
260	(104)	X'108'	0	IXLYAMDSTRL_LEN	**-IXLYAMDSTRL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSTRL1	Structure Entry for a List Structure (STRL), AmdaLevel1
0	(0)	CHARACTER	264		Mapped by IXLYAMDSTRL
Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRL_Valid flag					
End of Comment					
264	(108)	SIGNED	2	IXLYAMDSTRL_TEMCSTGPCT	Pending percent of structure storage to be used as EMCs, expressed in hundredths of a percent (ie. range is 0 to 10000)
266	(10A)	BITSTRING	1	IXLYAMDSTRL1_FLAGS (0)	Flags
		1... ..		IXLYAMDSTRL1_WRTCLI	"X'80" Wait on ready to complete list indicator - Indicates that the sending of the RTC signal is delayed until the RTC is received. During this time no resources can be held for the list item being processed. (LEVEL11)
267	(10B)	CHARACTER	1		Reserved
268	(10C)	SIGNED	4	IXLYAMDSTRL1_LSCUR	List set cursor (LEVEL8)
272	(110)	SIGNED	4	IXLYAMDSTRL1_SCCVN	Structure copy controls version number (LEVEL8)
276	(114)	CHARACTER	8	IXLYAMDSTRL1_SXTIME	Structure related CPU execution time (LEVEL15)
284	(11C)	SIGNED	4	IXLYAMDSTRL1_SLND	Subsidiary list notification delay. Bit positions 0-31 correspond to bit positions 32-63 of the CPU timer. Bit 19 represents one microsecond. (CFLEVEL>=16)
288	(120)	BITSTRING	1	IXLYAMDSTRL1_MUID	Maximum user id limit for the structure
289	(121)	CHARACTER	3		Reserved

Comment					
End fields whose validity is indicated by the IXLYAMDSTRL_Valid flag					
End of Comment					
292	(124)	ADDRESS	4	IXLYAMDSTRL1_SSCMADDR	Address of the structure storage-class memory record (SSCM) for this structure. A non-zero value will be returned when HWSTATISTICS=(YES) or the STRNAME keyword is specified, AMDALEVEL=(1 or higher) is specified, and the coupling facility in which the structure resides can use storage-class memory extensions (CFLEVEL 19 or higher). A value of zero means that the SSCM record was not provided for this structure because it was not requested, not available, or the coupling facility in which the structure resides does not support storage-class memory extensions
296	(128)	CHARACTER	12		Reserved

Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRL_AMValid flag					
End of Comment					
308	(134)	SIGNED	4	IXLYAMDSTRL1_SCMACCESSCOUNT	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
312	(138)	SIGNED	4	IXLYAMDSTRL1_PEERLINKUNAVAILABLECOUNT	Count of SCM (Storage-Class Memory) Access Required conditions that require the request to be restarted. (LEVEL19)
316	(13C)	SIGNED	4	IXLYAMDSTRL1_EXECUTIONSUPPRESSED	Count of Peer Link Not Available conditions (LEVEL10)
320	(140)	SIGNED	4	IXLYAMDSTRL1_PEERWAITSCHEMETIMECOUNT	Count of Execution Suppressed conditions (LEVEL10)
324	(144)	CHARACTER	8	IXLYAMDSTRL1_PEERWAITSCHEMETIME	Count of the number of times a duplexed request was holding a subchannel while waiting for a peer request to be started. (LEVEL10)
332	(14C)	CHARACTER	8	IXLYAMDSTRL1_PEERWAITSCHEMETIMESQR	Summed peer subchannel wait time (u-sec) (LEVEL10)
340	(154)	SIGNED	4	IXLYAMDSTRL1_PEERWAITRSVTIMECOUNT	Summed peer subchannel wait time squared (u-sec squared) (LEVEL10)
344	(158)	CHARACTER	8	IXLYAMDSTRL1_PEERWAITRSVTIME	Count of the number of times a request is holding a subchannel in reserve while waiting for a peer subchannel to become available to start a duplexed request. (LEVEL10)
352	(160)	CHARACTER	8	IXLYAMDSTRL1_PEERWAITRSVTIMESQR	Summed peer subchannel wait with reserve time (u-sec) (LEVEL10)
360	(168)	SIGNED	4	IXLYAMDSTRL1_PEERWAITCOMPTIMECOUNT	Summed peer subchannel wait with reserve time squared (u-sec squared) (LEVEL10)
364	(16C)	CHARACTER	8	IXLYAMDSTRL1_PEERWAITCOMPTIME	Count of the number of "waiting for peer completion" times reported. One of the two duplexed operations has completed, but the completed subchannel remains unavailable for use until the peer operation completes. (LEVEL10)
372	(174)	CHARACTER	8	IXLYAMDSTRL1_PEERWAITCOMPTIMESQR	Summed waiting for peer completion times. (u-sec) (LEVEL10)
380	(17C)	BITSTRING	8	IXLYAMDSTRL1_LOGICALVERSION	Square of the sum of the waiting for peer completion time. (u-sec squared) (LEVEL10)
					Logical structure version number. Used in conjunction with the physical version number to identify an instance of a structure. The value of this field is set equal to the physical version number when the structure is initially allocated. It changes when a process that allocates a new instance of the structure (e.g., rebuild) is user-managed, but not when it is system-managed.

Comment

End fields whose validity is indicated by the IXLYAMDSTRL_AMValid flag

End of Comment

388	(184)	ADDRESS	4	IXLYAMDSTRL1_SSCCADDR	Address of the structure copy controls information entry for this structure. A value of zero means that the SSCC record was not provided for this structure because it was not requested, not available, or contained no information.
388	(184)	X'188'	0	IXLYAMDSTRL1_LEN	**-IXLYAMDSTRL1"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSTRC	Structure Entry for a Cache Structure (STRC)
0	(0)	BITSTRING	1	IXLYAMDSTRC_TYPE	X'22' -- indicates STR data for CF
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDSTRC_LENGTH	Length of IXLYAMDSTR entry mapping
8	(8)	ADDRESS	4	IXLYAMDSTRC_STRNEXT	Address of next STR entry. A value of 0 means last entry for this facility.
12	(C)	ADDRESS	4	IXLYAMDSTRC_SCSC@	Address of the SCSC entry. A value of 0 means there is no entry for storage class data
16	(10)	ADDRESS	4	IXLYAMDSTRC_SCOC@	Address of the SCOC entry. A value of 0 means there is no entry for castout class data

IXLYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
CACHE Configuration Data					
End of Comment					
20	(14)	BITSTRING	1	IXLYAMDSTRC_TTY	Structure type identifier
21	(15)	CHARACTER .1..	1	IXLYAMDSTRC_TTY_STATUS (0) IXLYAMDSTRC_RBLDVALID	"X'40" The structure rebuild status indications reported in the IXLYAMDSTRC_RBLDStatus are valid -- These values will only be valid and reported when information is requested for a particular structure
22	(16)	SIGNED	2	IXLYAMDSTRC_SID	Structure ID
24	(18)	BITSTRING	8	IXLYAMDSTRC_VERSION (0)	Structure version number. Changes when a new physical instance of the structure is allocated (e.g., user- or system-managed rebuild), and there is at least one active connector to observe the allocation.
24	(18)	BITSTRING	8	IXLYAMDSTRC_PHYSICALVERSION	Structure version number. Changes when a new physical instance of the structure is allocated (e.g., user- or system-managed rebuild), and there is at least one active connector to observe the allocation.
32	(20)	CHARACTER	16	IXLYAMDSTRC_STRNAME	STR name
48	(30)	BITSTRING 1... .... .1.. .... ..1. .... ...1 1...	1	IXLYAMDSTRC_RBLDSTATUS (0) IXLYAMDSTRC_STRINREBLD IXLYAMDSTRC_REBLDOLDSTR IXLYAMDSTRC_REBLDNEWSTR IXLYAMDSTRC_REBLDDUPLEXSTR IXLYAMDSTRC_REBLDMETHODSTR	Rebuild status flags This information will only be valid if IXLYAMDSTRC_RBLDValid is set. "X'80" ON indicates that the structure is in rebuild "X'40" ON indicates that the structure information pertains to the OLD structure "X'20" ON indicates that the structure information pertains to the NEW structure "X'10" ON indicates the structure rebuild is a duplexing rebuild. OFF indicates the structure rebuild is a normal rebuild. This bit only applies when IXLYAMDSTRC_StrInRebl is on. "X'08" ON indicates the structure rebuild is system managed. OFF indicates the structure rebuild is user managed. This bit only applies when IXLYAMDSTRC_StrInRebl is on.
49	(31)	CHARACTER	3		
Comment					
CACHE Measurement Data					
End of Comment					
52	(34)	CHARACTER 1... .... .1..	1	IXLYAMDSTRC_STATUS (0) IXLYAMDSTRC_AMVALID IXLYAMDSTRC_DUMPSERIALHELD	Structure status bits "X'80" The following measurement data is valid "X'40" Dump serialization is held against this structure - internal operations are failed - external operations are delayed. Hardware control data will not be available.
53	(35)	CHARACTER	1		Unused
Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRC_AMValid flag					
End of Comment					
54	(36)	SIGNED	2	IXLYAMDSTRC_AMDATASEQUENCE	Sequence number associated with this instance of Measurement Data from this system.
56	(38)	SIGNED	4	IXLYAMDSTRC_REQCT	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
60	(3C)	SIGNED	4	IXLYAMDSTRC_REQCTASYNC	Total requests. This relates to external requests such as IXLCACHE macro invocations, not operations to the coupling facility.
64	(40)	SIGNED	4	IXLYAMDSTRC_HIWORKQUEUECOUNT	Total asynchronous requests started (unused, always zero)
68	(44)	SIGNED	4	IXLYAMDSTRC_WORKQUEUECOUNT	Current count of the number of operations queued for subchannel contention
72	(48)	SIGNED	4	IXLYAMDSTRC_DELAYQUEUECOUNT	Current count of the number of operations queued for subchannel contention
76	(4C)	SIGNED	4	IXLYAMDSTRC_DUMPSERIALRELEASED	Current count of the number of operations delayed for dump serialization and/or a system-managed process (e.g., rebuild)
80	(50)	SIGNED	4	IXLYAMDSTRC_SYNCTIMECOUNT	Count of the number times dump serialization was obtained and released for this structure
84	(54)	CHARACTER	8	IXLYAMDSTRC_SYNCSUMTIME	Count of the number of summed times -- for successful synchronous operations to the facility
92	(5C)	CHARACTER	8	IXLYAMDSTRC_SYNCSUMTIMESQR	Summed service time (u-sec)
100	(64)	SIGNED	4	IXLYAMDSTRC_ASYNCCTIMECOUNT	Summed service time squared (u-sec squared)
104	(68)	CHARACTER	8	IXLYAMDSTRC_ASYNCCTIMECOUNT	Count of the number of summed times -- for successful asynchronous operations to the facility
112	(70)	CHARACTER	8	IXLYAMDSTRC_ASYNCCTIMESQR	Summed service time (u-sec)
120	(78)	SIGNED	4	IXLYAMDSTRC_QUEUECTIMECOUNT	Summed service time squared (u-sec squared)
124	(7C)	CHARACTER	8	IXLYAMDSTRC_QUEUECTIMECOUNT	Count of the number of summed times -- for operation queue time
132	(84)	CHARACTER	8	IXLYAMDSTRC_QUEUECTIMESQR	Summed queue time (u-sec)
140	(8C)	SIGNED	4	IXLYAMDSTRC_DELAYTIMECOUNT	Summed queue time squared (u-sec squared)
144	(90)	CHARACTER	8	IXLYAMDSTRC_DELAYTIMECOUNT	Count of the number of summed times -- for operation delay time for dump serialization
152	(98)	CHARACTER	8	IXLYAMDSTRC_DELAYTIMESQR	Summed delay time (u-sec)
160	(A0)	SIGNED	4	IXLYAMDSTRC_SYNCTOASYNCCOUNT	Summed delay time squared (u-sec squared)
164	(A4)	SIGNED	4	IXLYAMDSTRC_TOTALHIWORKCOUNT	Count of the number times a synchronous operation could not be performed synchronously and was changed to an asynchronous operation
168	(A8)	SIGNED	4	IXLYAMDSTRC_TOTALWORKCOUNT	Total count of the number of operations queued for subchannel contention
172	(AC)	CHARACTER	4	RESERVED	Total count of the number of operations queued for subchannel contention

Comment

End fields whose validity is indicated by the
IXLYAMDSTRC_AMValid flag
Control Structure Information

End of Comment

176	(B0)	BITSTRING	1	IXLYAMDSTRC_DATAFLAGS (0) IXLYAMDSTRC_VALID	"X'80" The following cache control structure information is valid
		1... ..			
		.... 1...		IXLYAMDSTRC_DTSVALID	"X'08" Structure dump table size information is valid
177	(B1)	CHARACTER	2	reserved	

Comment

Begin fields whose validity is indicated by the
IXLYAMDSTRC_Valid flag

End of Comment

179	(B3)	BITSTRING	1	IXLYAMDSTRC_FLAGS2 (0)	
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IXLYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		IXLYAMDSTRC_REIPI	Flags
		.1..		IXLYAMDSTRC_SSCI	"X'80" Reapportionment in progress indicator. 1=structure ALTER to change ratio is in progress (LEVEL1)
		...1		IXLYAMDSTRC_IRTCEI	"X'40" Structure size change in progress indicator. 1=structure ALTER to change structure size is in progress (LEVEL1)
180	(B4)	SIGNED	4	IXLYAMDSTRC_TDEC	"X'10" Immediate RTC completion enablement indicator. 1 ==> immediate RTC completion controls have been set for this structure, allowing enablement of the expedited duplex completion protocol. (LEVEL16)
					Total Directory entry count. This count is only substantially accurate
184	(B8)	SIGNED	4	IXLYAMDSTRC_TDAEC	Total Data area element count. This count is only substantially accurate
188	(BC)	BITSTRING	1	IXLYAMDSTRC_BITS	
		1...		IXLYAMDSTRC_AAI	(0)
		.1..		IXLYAMDSTRC_UDFOQI	"X'80" Adjunct Assignment indicator
					"X'40" UDF order queue indicator. CFLevel 5 or higher.
189	(BD)	BITSTRING	1	IXLYAMDSTRC_MSCV	Maximum storage class value
190	(BE)	BITSTRING	2	IXLYAMDSTRC_NCM	Name class mask. CFLEVEL=7 or higher
192	(C0)	SIGNED	2	IXLYAMDSTRC_MCCV	Maximum castout class value
194	(C2)	BITSTRING	1	IXLYAMDSTRC_DAEX	Data area element characteristic. The size of a data element in bytes is 256*(2**DAEX)
195	(C3)	BITSTRING	1	IXLYAMDSTRC_MDAS	Maximum data area size (i.e maximum number of elements per entry)
196	(C4)	SIGNED	4	IXLYAMDSTRC_SS	Structure size in 4K blocks
200	(C8)	SIGNED	4	IXLYAMDSTRC_MSS	Maximum structure size in 4K blocks
204	(CC)	SIGNED	4	IXLYAMDSTRC_MINSS	Minimum structure size in 4K blocks. The structure may actually be allocated smaller than this, but if so, structure attributes such as entry/element ratio will differ significantly from those which were requested.
208	(D0)	SIGNED	4	IXLYAMDSTRC_DTS	Structure dump table size in 4k blocks
212	(D4)	SIGNED	4	IXLYAMDSTRC_MRSS	Marginal structure size. This is the true minimum size with which the structure can be allocated, regardless of ratio considerations. (LEVEL1)
216	(D8)	SIGNED	4	IXLYAMDSTRC_TSS	Target structure size. For a CFLEVEL 0 facility, the target structure size will be equal to the actual structure size. For a CFLEVEL 1 or higher facility, the target structure size will be equal to the target structure size specified on the initial allocate or subsequent expand or contract request. The target size may or may not be equal to the actual size. (LEVEL1)
220	(DC)	SIGNED	4	IXLYAMDSTRC_TMELC	Target maximum element count. For a CFLEVEL 0 facility the target maximum element count will be equal to the actual maximum element count. For CFLEVEL 1 or higher facilities, the target maximum element count will reflect the target ratio specified on the initial allocate or subsequent reapportionment request. This may or may not equal the actual maximum element count. (LEVEL1)
224	(E0)	SIGNED	4	IXLYAMDSTRC_TMEC	Target maximum entry count. For a CFLEVEL 0 facility the target maximum entry count will be equal to the actual maximum entry count. For CFLEVEL 1 or higher facilities, the target maximum entry count will reflect the target ratio specified on the initial allocate or subsequent reapportionment request. This may or may not equal the actual maximum entry count. (LEVEL1)
228	(E4)	SIGNED	4	IXLYAMDSTRC_PDTDR	(0)
					Pending directory to data ratio. This field is only applicable to CFLEVEL 1 or higher facilities. (LEVEL1)
228	(E4)	SIGNED	2	IXLYAMDSTRC_PDTDR_DIR	Directory ratio portion (LEVEL1)
230	(E6)	SIGNED	2	IXLYAMDSTRC_PDTDR_DATA	Data element ratio portion (LEVEL1)
232	(E8)	SIGNED	4	IXLYAMDSTRC_TSCC	Total structure changed entry count. This count is only substantially accurate (LEVEL1)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
236	(EC)	SIGNED	4	IXLYAMDSTRC_TCDEC	Total structure changed data element count. This count is only substantially accurate (LEVEL1)
240	(F0)	CHARACTER	4		Reserved
Comment					
End fields whose validity is indicated by the IXLYAMDSTRC_Valid flag					
End of Comment					
240	(F0)	X'F4'	0	IXLYAMDSTRC_LEN	**_IXLYAMDSTRC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSTRC1	Structure Entry for a Cache Structure (STRC), AmdaLevel1
0	(0)	CHARACTER	244		Mapped by IXLYAMDSTRC
Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRC_Valid flag					
End of Comment					
244	(F4)	SIGNED	4	IXLYAMDSTRC1_WQC	Write-with-castout queue count (LEVEL8)
248	(F8)	SIGNED	4	IXLYAMDSTRC1_SCCVN	Structure copy controls version number (LEVEL8)
252	(FC)	SIGNED	4	IXLYAMDSTRC1_GCUDRI	Global count of unchanged directory entries with registered interest (LEVEL8)
256	(100)	SIGNED	4	IXLYAMDSTRC1_FDEC	Free directory entry count (LEVEL8)
260	(104)	SIGNED	4	IXLYAMDSTRC1_FDAEC	Free data area element count (LEVEL8)
264	(108)	SIGNED	2	IXLYAMDSTRC1_CCCUR	Castout class cursor (LEVEL8)
266	(10A)	CHARACTER	2		Reserved
268	(10C)	CHARACTER	8	IXLYAMDSTRC1_SXTIME	Structure related CPU execution time (LEVEL15)
Comment					
End fields whose validity is indicated by the IXLYAMDSTRC_Valid flag					
End of Comment					
276	(114)	CHARACTER	16		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Begin fields whose validity is indicated by the IXLYAMDSTRC_AMValid flag					
End of Comment					
292	(124)	SIGNED	4	IXLYAMDSTRC1_PEERLINKUNAVAILABLECOUNT	Count of Peer Link Not Available conditions (LEVEL10)
296	(128)	SIGNED	4	IXLYAMDSTRC1_EXECUTIONSUPPRESSED	Count of Execution Suppressed conditions (LEVEL10)
300	(12C)	SIGNED	4	IXLYAMDSTRC1_PEERWAITSCHEMETIMECOUNT	Count of the number of times a duplexed request was holding a subchannel while waiting for a peer request to be started. (LEVEL10)
304	(130)	CHARACTER	8	IXLYAMDSTRC1_PEERWAITSCHEMETIME	Summed peer subchannel wait time (u-sec) (LEVEL10)
312	(138)	CHARACTER	8	IXLYAMDSTRC1_PEERWAITSCHEMETIME	Summed peer subchannel wait time squared (u-sec squared) (LEVEL10)
320	(140)	SIGNED	4	IXLYAMDSTRC1_PEERWAITRSVTIMECOUNT	Count of the number of times a request is holding a subchannel in reserve while waiting for a peer subchannel to become available to start a duplexed request. (LEVEL10)
324	(144)	CHARACTER	8	IXLYAMDSTRC1_PEERWAITRSVSUMTIME	

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
332	(14C)	CHARACTER	8	IXLYAMDSTRC1_PEERWAITRSVSUMTIMESQR	Summed peer subchannel wait with reserve time (u-sec) (LEVEL10)
					Summed peer subchannel wait with reserve time squared (u-sec squared) (LEVEL10)
340	(154)	SIGNED	4	IXLYAMDSTRC1_PEERWAITCOMPTIMECOUNT	Count of the number of "waiting for peer completion" times reported. One of the two duplexed operations has completed, but the completed subchannel remains unavailable for use until the peer operation completes. (LEVEL10)
344	(158)	CHARACTER	8	IXLYAMDSTRC1_PEERWAITCOMPSUMTIME	Summed waiting for peer completion times. (u-sec) (LEVEL10)
352	(160)	CHARACTER	8	IXLYAMDSTRC1_PEERWAITCOMPSUMTIMESQR	Square of the sum of the waiting for peer completion time. (u-sec squared) (LEVEL10)
360	(168)	BITSTRING	8	IXLYAMDSTRC1_LOGICALVERSION	Logical structure version number. Used in conjunction with the physical version number to identify an instance of a structure. The value of this field is set equal to the physical version number when the structure is initially allocated. It changes when a process that allocates a new instance of the structure (e.g., rebuild) is user-managed, but not when it is system-managed.

Comment

End fields whose validity is indicated by the IXLYAMDSTRC_AMValid flag

End of Comment

368	(170)	ADDRESS	4	IXLYAMDSTRC1_SSCCADDR	Address of the structure copy controls information entry for this structure. A value of zero means that the SSCC record was not provided for this structure because it was not requested, not available, or contained no information.
368	(170)	X'174'	0	IXLYAMDSTRC1_LEN	**-IXLYAMDSTRC1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSCSC	Structure Entry for Cache Storage Class (SCSC)
0	(0)	BITSTRING	1	IXLYAMDSCSC_TYPE	X'23' -- indicates STR data for Storage Class
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDSCSC_LENGTH	Length of IXLYAMDSCSC entry mapping
8	(8)	CHARACTER	4		reserved
12	(C)	CHARACTER	108	IXLYAMDSCSC_STATS	(0)
					Storage Class information
12	(C)	SIGNED	4	IXLYAMDSCSC_RHC	Read hit counter
16	(10)	SIGNED	4	IXLYAMDSCSC_RMDHC	Read miss, directory hit counter
20	(14)	SIGNED	4	IXLYAMDSCSC_RMASC	Read miss, assignment suppressed counter
24	(18)	SIGNED	4	IXLYAMDSCSC_RMNAC	Read miss, name assigned counter
28	(1C)	SIGNED	4	IXLYAMDSCSC_RMTSFC	Read miss, target storage class full counter
32	(20)	SIGNED	4	IXLYAMDSCSC_WHCB0C	Write hit change Bit 0 ctr
36	(24)	SIGNED	4	IXLYAMDSCSC_WHCB1C	Write hit change Bit 1 ctr
40	(28)	SIGNED	4	IXLYAMDSCSC_WMNRC	Write miss, not registered counter
44	(2C)	SIGNED	4	IXLYAMDSCSC_WMISC	Write miss, invalid state counter
48	(30)	SIGNED	4	IXLYAMDSCSC_WMTSFC	Write miss, target storage class full counter
52	(34)	SIGNED	4	IXLYAMDSCSC_DERC	Directory entry reclaim counter
56	(38)	SIGNED	4	IXLYAMDSCSC_DTERC	Data entry reclaim counter
60	(3C)	SIGNED	4	IXLYAMDSCSC_XIFDRC	XI directory reclaim counter
64	(40)	SIGNED	4	IXLYAMDSCSC_XIFWC	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
68	(44)	SIGNED	4	IXLYAMDSCSC_XINIC	XI write counter	
72	(48)	SIGNED	4	IXLYAMDSCSC_XICIC	XI name invalidation counter	
76	(4C)	SIGNED	4	IXLYAMDSCSC_COC	XI complement invalidation counter	
80	(50)	SIGNED	4	IXLYAMDSCSC_RSMC	Castout Counter	
84	(54)	SIGNED	4	IXLYAMDSCSC_TSCFC	Reference signal miss counter	
88	(58)	SIGNED	4	IXLYAMDSCSC_DEC	Target storage class full counter	
92	(5C)	SIGNED	4	IXLYAMDSCSC_DAEC	Directory entry counter	
96	(60)	SIGNED	4	IXLYAMDSCSC_TCC	Data area element counter	
100	(64)	SIGNED	4	IXLYAMDSCSC_DAC	Total changed counter	
104	(68)	SIGNED	4	IXLYAMDSCSC_CRLC	Data area counter	
108	(6C)	SIGNED	4	IXLYAMDSCSC_PCRLC	Completed reference lists counter	
112	(70)	SIGNED	4	IXLYAMDSCSC_XILRC	Partially completed reference lists counter	
116	(74)	SIGNED	4	IXLYAMDSCSC_WUXIC	XI for local cache vector index replacement	
116	(74)	X'78'	0	IXLYAMDSCSC_LEN	Write unchanged with XI counter	
					**IXLYAMDSCSC"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	IXLYAMDSCSC1	Structure Entry for Cache Storage Class (SCSC), AmdaLevel1	
0	(0)	CHARACTER	120		Mapped by IXLYAMDSCSC	
120	(78)	SIGNED	4	IXLYAMDSCSC1_UDERIC	Unchanged directory entry with registered interest counter (LEVEL8)	
124	(7C)	SIGNED	4	IXLYAMDSCSC1_WMASC	Write Miss Assignment Suppression Counter (CF LEVEL18)	
128	(80)	SIGNED	4	IXLYAMDSCSC1_WMWSC	Write Miss Write Suppression Counter (CF LEVEL17, SL 10.13)	
132	(84)	CHARACTER	60		Reserved	
132	(84)	X'C0'	0	IXLYAMDSCSC1_LEN		
					**IXLYAMDSCSC1"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	IXLYAMDSCOC	Structure Entry for Cache CastOut Class (SCOC)	
0	(0)	BITSTRING	1	IXLYAMDSCOC_TYPE	X'24' -- indicates STR data for CastOut Classes	
1	(1)	CHARACTER	3		Unused	
4	(4)	SIGNED	4	IXLYAMDSCOC_LENGTH	Length of IXLYAMDSCOC entry mapping	
8	(8)	ADDRESS	4	IXLYAMDSCOCSTATS@	Address of the SCOC entry. An address of 0 indicates no entries were processed	
12	(C)	SIGNED	2	IXLYAMDSCOCBEG	First castout class in the range of castout classes processed	
14	(E)	SIGNED	2	IXLYAMDSCOCEND	Last castout class in the range of castout classes processed	
14	(E)	X'10'	0	IXLYAMDSCOC_LEN		
					**IXLYAMDSCOC"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	IXLYAMDSCOCSTATS	Cast Out Class Stats	
0	(0)	SIGNED	4	IXLYAMDSCOCENTRY	Number of data elements associated with entries in the indicated castout class	

IXLYAMDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'4'	0	IXLYAMDSCOCSTATS_LEN	**-IXLYAMDSCOCSTATS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSC	Subchannel Entry (SC)
0	(0)	BITSTRING	1	IXLYAMDSC_TYPE	X'30' -- indicates SC data
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDSC_LENGTH	Length of IXLYAMDSC entry mapping
8	(8)	ADDRESS	4	IXLYAMDSC_SCNEXT	Address of next SC entry. A value of 0 means last entry for this facility

Comment

Configuration Data

End of Comment

12	(C)	SIGNED	2	IXLYAMDSC_SCNUMBER	Subchannel number
14	(E)	BITSTRING	1	IXLYAMDSC_PAM	Path available mask for coupling facility subchannels
15	(F)	BITSTRING	1	IXLYAMDSC_PIM	Path installed mask for coupling facility subchannels
16	(10)	CHARACTER	8	IXLYAMDSC_CHPID_SET (0)	Set of CHPIDs
16	(10)	BITSTRING	1	IXLYAMDSC_CHPIDS	CHPID array for coupling facility subchannels
24	(18)	SIGNED	2	IXLYAMDSC_SCDEVICE	Subchannel device number
26	(1A)	BITSTRING	2	IXLYAMDSC_SUBCH_STATUS (0)	Subchannel status
		1...		IXLYAMDSC_NOTOPERATIONAL	"X'80" Subchannel not operational
		.1..		IXLYAMDSC_NOTINUSE	"X'40" Subchannel operational but not being used for operations
		..1.		IXLYAMDSC_ACTIVE	"X'20" Subchannel operational and used for operations
28	(1C)	CHARACTER	8	IXLYAMDSC_CHPIDSETTYPE (0)	Set of CHPID Types
28	(1C)	BITSTRING	1	IXLYAMDSC_CHPIDSTYPE	CHPID array for channel path type
36	(24)	CHARACTER	4		Reserved

Comment

Contention data

End of Comment

40	(28)	SIGNED	4	IXLYAMDSC_SUBCH_BUSY	Subchannel busy count. Compare to the utilization count below.
44	(2C)	SIGNED	4	IXLYAMDSC_ALLPATHS_BUSY	All path busy termination count. Compare to the utilization count below.
48	(30)	SIGNED	4	IXLYAMDSC_UTILIZATION	Utilization count -- Number of times this subchannel was picked for an operation
52	(34)	SIGNED	4	IXLYAMDSC_SEQUENCE	Sequence number. This sequence number is changed whenever a new "instance" of this entity comes into use
56	(38)	CHARACTER	12		
56	(38)	X'44'	0	IXLYAMDSC_LEN	**-IXLYAMDSC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSC1	Subchannel Entry (SC), AmdaLevel1

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	68		Mapped by IXLYAMDSC
68	(44)	CHARACTER	60		Reserved
68	(44)	X'80'	0	IXLYAMDSC1_LEN	"*-IXLYAMDSC1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSSCC	Structure copy controls record
0	(0)	BITSTRING	1	IXLYAMDSSCC_TYPE	X'25' -- indicates SSCC data
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDSSCC_LENGTH	Length of IXLYAMDSSCC entry mapping
8	(8)	CHARACTER	16		Reserved
24	(18)	CHARACTER	512	IXLYAMDSSCC_COPYCONTROLS	Structure copy controls (LEVEL8)
536	(218)	CHARACTER	32		Reserved
536	(218)	X'238'	0	IXLYAMDSSCC_LEN	"*-IXLYAMDSSCC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYAMDSSCM	Structure Storage-Class Memory record
0	(0)	BITSTRING	1	IXLYAMDSSCM_TYPE	X'26' -- indicates SSCM data
1	(1)	CHARACTER	3		Unused
4	(4)	SIGNED	4	IXLYAMDSSCM_LENGTH	Length of IXLYAMDSSCM entry mapping
8	(8)	CHARACTER	16		Reserved
24	(18)	CHARACTER	180	IXLYAMDSSCM_STATS (0)	Structure SCM extension information (LEVEL19)
24	(18)	SIGNED	8	IXLYAMDSSCM_MXSCM	Maximum storage-class memory the structure can use in 4K blocks
32	(20)	BITSTRING	1	IXLYAMDSSCM_SCMAT	SCM Algorithm Type
33	(21)	CHARACTER	3		Reserved
36	(24)	SIGNED	4	IXLYAMDSSCM_MSBECC	The maximum number of list entries that can be stored in a single storage-class memory buffer
40	(28)	SIGNED	4	IXLYAMDSSCM_MSBELC	The maximum number of list elements that can be stored in a single storage-class memory buffer
44	(2C)	SIGNED	4	IXLYAMDSSCM_MNELC	The minimum element count
48	(30)	SIGNED	4	IXLYAMDSSCM_MNECC	The minimum entry count
52	(34)	CHARACTER	8		Reserved
60	(3C)	SIGNED	4	IXLYAMDSSCM_FXAUS	Fixed augmented space in 4K blocks
64	(40)	CHARACTER	4		Reserved
68	(44)	SIGNED	4	IXLYAMDSSCM_IUAUS	In-use augmented space in 4K blocks
72	(48)	SIGNED	8	IXLYAMDSSCM_IUSCM	In-use storage-class memory by the structure in 4K blocks
80	(50)	CHARACTER	4		Reserved
84	(54)	SIGNED	4	IXLYAMDSSCM_EMXAUS	Estimated maximum space in 4K blocks that may be assigned as augmented space for the structure
88	(58)	SIGNED	8	IXLYAMDSSCM_EMSECC	Estimated maximum number of list entries that may reside in storage-class memory for the structure
96	(60)	SIGNED	8	IXLYAMDSSCM_EMSELC	Estimated maximum number of list elements that may reside in storage-class memory for the structure
104	(68)	SIGNED	8	IXLYAMDSSCM_SLSECC	Number of existing structure list entries in the list set that reside in storage-class memory
112	(70)	SIGNED	8	IXLYAMDSSCM_SLSELCC	

IXLYAMDA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
120	(78)	BITSTRING	1	IXLYAMDSSCM_SCMLT	Number of existing structure list elements in the list set that reside in storage-class memory
121	(79)	BITSTRING	1	IXLYAMDSSCM_SCMUT	Percentage of the list entry and list element counts that determines the lower threshold for migration between storage-class memory and CF storage
122	(7A)	BITSTRING	1	IXLYAMDSSCM_SCMLTR	Percentage of the list entry and list element counts that determines the upper threshold for migration from CF storage to storage-class memory
123	(7B)	BITSTRING	1	IXLYAMDSSCM_SCMUTR	Percentage of the list entry and list element counts that determines the lower threshold regulator for migration between CF SCM and CF real storage. The lower threshold regulators are used to stop migration from CF SCM into CF real storage after being triggered by the lower threshold
124	(7C)	SIGNED	4	IXLYAMDSSCM_SCMWC	Percentage of the list entry and list element counts that determines the upper threshold regulator for migration between CF real storage and CF SCM. The upper threshold regulators are used to stop migration from CF real storage into CF SCM after being triggered by the upper threshold
128	(80)	SIGNED	4	IXLYAMDSSCM_SCMRFC	SCM write count. Number of list write operations performed to storage-class memory
132	(84)	SIGNED	4	IXLYAMDSSCM_SCMRPC	SCM read after fault count. The number of read operations against storage-class memory that were initiated by a reference to list structure objects residing on storage-class memory
136	(88)	SIGNED	8	IXLYAMDSSCM_SRSTFM	SCM read for prefetch count. The number of read operations against storage-class memory that were initiated as a prefetch operation in order to retrieve list structure objects on storage-class memory that are expected to be referenced
144	(90)	SIGNED	8	IXLYAMDSSCM_SRSTSM	The accumulated service times in microseconds for read operations to storage-class memory
152	(98)	SIGNED	8	IXLYAMDSSCM_SWSTFM	The accumulated squares of service times, in squared microsecond units for read operations to storage-class memory
160	(A0)	SIGNED	8	IXLYAMDSSCM_SWSTSM	The accumulated service times in microseconds for write operations to storage-class memory
168	(A8)	SIGNED	8	IXLYAMDSSCM_SCMRBT	The accumulated squares of service times, in squared microsecond units, for write operations to storage-class memory
176	(B0)	SIGNED	8	IXLYAMDSSCM_SCMWBT	SCM read bytes transferred. Number of bytes in 4K-byte units transferred from storage-class memory to CF storage
184	(B8)	SIGNED	4	IXLYAMDSSCM_SAECC	SCM write bytes transferred. Number of bytes in 4K-byte units transferred from CF storage to storage-class memory
188	(BC)	SIGNED	4	IXLYAMDSSCM_SRCC1C	SCM auxiliary enabled command count. Number of commands that required the use of CF auxiliary frames
192	(C0)	SIGNED	4	IXLYAMDSSCM_SRCC2C	SCM reference count 1 - The number of references against storage-class memory to locate list structure objects
196	(C4)	SIGNED	4	IXLYAMDSSCM_SRCC3C	SCM reference count 2 - The number of references against storage-class memory to resolve list entry key hashing
200	(C8)	SIGNED	4	IXLYAMDSSCM_SRCC4C	SCM reference count 3 - The number of references against storage-class memory for the purpose of migrating list structure objects from CF storage to storage-class memory to allow for the creation of new list structure objects in CF storage
204	(CC)	CHARACTER	52		SCM reference count 4 - The number of references against storage-class memory for the purpose of migrating list structure objects from storage-class memory to CF storage to allow for key-range initialization to complete. Reserved

Comment

Structure types

End of Comment

.... ..11

IXLYAMDA_LIST

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		IXLYAMDA_CACHE	"X'03" List structure
		1111 1111		IXLYAMDA_LOCK	"X'04" Cache Structure "X'FF" Lock Structure

Comment

Channel Path Types

End of Comment

....	1.11	IXLYAMDA_CHPIDTYPE_CFS	"X'0B" CHPID TYPE for CF Sender chpid
....	11..	IXLYAMDA_CHPIDTYPE_CFR	"X'0C" CHPID TYPE for CF Receiver chpid
...1	.11.	IXLYAMDA_CHPIDTYPE_CBS	"X'16" CHPID TYPE for CF Cluster Bus Sender
...1	.111	IXLYAMDA_CHPIDTYPE_CBR	"X'17" CHPID TYPE for CF Cluster Bus Receiver
...1	1...	IXLYAMDA_CHPIDTYPE_ICS	"X'18" CHPID TYPE for CF Internal Coupling Sender
...1	1..1	IXLYAMDA_CHPIDTYPE_ICR	"X'19" CHPID TYPE for CF Internal Coupling Receiver
..1.	...1	IXLYAMDA_CHPIDTYPE_CBP	"X'21" CHPID TYPE for CF Integrated Cluster Bus Peer
..1.	..1.	IXLYAMDA_CHPIDTYPE_CFP	"X'22" CHPID TYPE for CF Peer chpid
..1.	..11	IXLYAMDA_CHPIDTYPE_ICP	"X'23" CHPID TYPE for CF Internal Coupling Peer
..1.	.11.	IXLYAMDA_CHPIDTYPE_CIB	"X'26" CHPID TYPE for CIB Coupling Link

Comment

Channel path operational modes

End of Comment

204	(CC)	X'1'	0	IXLYAMDA_PATHMODE_CFP_1GBIT	"1" CFP path supporting a 1.0625 Gbit / sec data rate
204	(CC)	X'2'	0	IXLYAMDA_PATHMODE_CFP_2GBIT	"2" CFP path supporting a 2.125 Gbit / sec data rate
204	(CC)	X'10'	0	IXLYAMDA_PATHMODE_CIB_1X_IFB_HCA2_O_LR	"16" CIB path operating at 1X bandwidth using the IFB protocol, adapter type HCA2-O LR
204	(CC)	X'11'	0	IXLYAMDA_PATHMODE_CIB_12X_IFB_HCA2_O	"17" CIB path operating at 12X bandwidth using the IFB protocol, adapter type HCA2-O
204	(CC)	X'20'	0	IXLYAMDA_PATHMODE_CIB_1X_IFB_HCA3_O_LR	"32" CIB path operating at 1X bandwidth using the IFB protocol, adapter type HCA3-O LR
204	(CC)	X'21'	0	IXLYAMDA_PATHMODE_CIB_12X_IFB_HCA3_O	"33" CIB path operating at 12X bandwidth using the IFB protocol, adapter type HCA3-O
204	(CC)	X'30'	0	IXLYAMDA_PATHMODE_CIB_12X_IFB3_HCA3_O	"48" CIB path operating at 12X bandwidth using the IFB3 protocol, adapter type HCA3-O

Comment

Storage-class memory algorithm types

End of Comment

204	(CC)	X'1'	0	IXLYAMDA_SCMAT_KEYPRIORITY1	"1" KeyPriority1 algorithm
204	(CC)	X'100'	0	IXLYAMDSSCM_LEN	**_IXLYAMDSSCM"

IXLYAMDA Cross Reference

IXLYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLYAMDA_CACHE				4	
	CC	4	IXLYAMDAREA_LEN		
IXLYAMDA_CHPIDTYPE_CBP				11	14
	CC	21	IXLYAMDAREA_LENGTH		
IXLYAMDA_CHPIDTYPE_CBR				0	
	CC	17	IXLYAMDAREA_TLEN		
IXLYAMDA_CHPIDTYPE_CBS				8	
	CC	16	IXLYAMDAREA_VERSION		
IXLYAMDA_CHPIDTYPE_CFP				10	
	CC	22	IXLYAMDDCF		
IXLYAMDA_CHPIDTYPE_CFR				0	
	CC	C	IXLYAMDDCF_ACCUMULATEDBUSYCOUNT		
IXLYAMDA_CHPIDTYPE_CFS				F4	
	CC	B	IXLYAMDDCF_ACCUMULATEDUTILCOUNT		
IXLYAMDA_CHPIDTYPE_CIB				EC	
	CC	26	IXLYAMDDCF_ADTC		
IXLYAMDA_CHPIDTYPE_ICP				114	
	CC	23	IXLYAMDDCF_ALLSHAREDPCS		
IXLYAMDA_CHPIDTYPE_ICR				4C	8
	CC	19	IXLYAMDDCF_AVAILABLE		
IXLYAMDA_CHPIDTYPE_ICS				4C	20
	CC	18	IXLYAMDDCF_BUILDDATE		
IXLYAMDA_LIST				68	
	CC	3	IXLYAMDDCF_BUILDTIME		
IXLYAMDA_LOCK				6C	
	CC	FF	IXLYAMDDCF_CFCCRELEASE		
IXLYAMDA_PATHMODE_CFP_1GBIT				64	
	CC	1	IXLYAMDDCF_CFID		
IXLYAMDA_PATHMODE_CFP_2GBIT				1C	
	CC	2	IXLYAMDDCF_CFLEVEL		
IXLYAMDA_PATHMODE_CIB_1X_IFB_HCA2_O_LR				120	
	CC	10	IXLYAMDDCF_CFNAME		
IXLYAMDA_PATHMODE_CIB_1X_IFB_HCA3_O_LR				20	
	CC	20	IXLYAMDDCF_CFNEXT		
IXLYAMDA_PATHMODE_CIB_12X_IFB_HCA2_O				8	
	CC	11	IXLYAMDDCF_COMPPM		
IXLYAMDA_PATHMODE_CIB_12X_IFB_HCA3_O				53	
	CC	21	IXLYAMDDCF_CONNECTED		
IXLYAMDA_PATHMODE_CIB_12X_IFB3_HCA3_O				4C	80
	CC	30	IXLYAMDDCF_CONTENTIONTIME		
IXLYAMDA_SCMAT_KEYPRIORITY1				B4	
	CC	1	IXLYAMDDCF_CONTENTIONTIMESQR		
IXLYAMDA_TYPECF				BC	
	8	10	IXLYAMDDCF_CTI		
IXLYAMDA_TYPECFCP				4D	80
	8	15	IXLYAMDDCF_CUID		
IXLYAMDA_TYPECFMI				5C	
	8	13	IXLYAMDDCF_DATE1		
IXLYAMDA_TYPECFRF				68	
	8	14	IXLYAMDDCF_DATE2		
IXLYAMDA_TYDESC				69	
	8	30	IXLYAMDDCF_DATE3		
IXLYAMDA_TYDESCOC				6A	
	8	24	IXLYAMDDCF_DCFDI		
IXLYAMDA_TYDESCSC				4C	4
	8	23	IXLYAMDDCF_FAILEDOPSUMTIME		
IXLYAMDA_TYDESCSLC				DC	
	8	12	IXLYAMDDCF_FAILEDOPSUMTIMESQR		
IXLYAMDA_TYDESCLL				E4	
	8	11	IXLYAMDDCF_FAILEDOPTIMECOUNT		
IXLYAMDA_TYDESCSCC				D8	
	8	25	IXLYAMDDCF_FCS		
IXLYAMDA_TYDESCSCM				108	
	8	26	IXLYAMDDCF_FDS		
IXLYAMDA_TYPESTRC				110	
	8	22	IXLYAMDDCF_FLAGS		
IXLYAMDA_TYPESTRL				4C	
	8	21	IXLYAMDDCF_FLAGS2		
IXLYAMDAREA				4D	
	0		IXLYAMDDCF_FS		
IXLYAMDAREA_ENT				100	
	C		IXLYAMDDCF_GDC		
IXLYAMDAREA_CFENT@				10C	
			IXLYAMDDCF_HWINFODETAIL		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	60		IXLYAMDCF_TIME3		
IXLYAMDCF_HWINFODETAILVALID	4C	2	IXLYAMDCF_TS	6E	
IXLYAMDCF_HWINFORMATION	60		IXLYAMDCF_TYPE	FC	
IXLYAMDCF_INVALID	55		IXLYAMDCF_VARYPM	0	
IXLYAMDCF_LEN	124	130	IXLYAMDCF_VOLATILE	51	
IXLYAMDCF_LENGTH	4		IXLYAMDCF_XCFPM	4C	10
IXLYAMDCF_LEVEL1	66			52	
IXLYAMDCF_LEVEL2	67		IXLYAMDCF_CFP	0	
IXLYAMDCF_MANAGED	4C	40	IXLYAMDCF_CFP_ADAPTERID	8	
IXLYAMDCF_MDX	11C		IXLYAMDCF_CFP_AFFINITYVALID	4	F
IXLYAMDCF_MFR	8D		IXLYAMDCF_CFP_ATTACHMENTINFO	8	
IXLYAMDCF_MI@	18		IXLYAMDCF_CFP_ATTACHMENTVALID	4	80
IXLYAMDCF_MRDS	118		IXLYAMDCF_CFP_CHID	12	
IXLYAMDCF_ND	28		IXLYAMDCF_CFP_CHIDVALID	5	80
IXLYAMDCF_NODP	A2		IXLYAMDCF_CFP_CHPID	0	
IXLYAMDCF_NOSP	A0		IXLYAMDCF_CFP_DEGRADED	10	80
IXLYAMDCF_NOTVALIDATED	56		IXLYAMDCF_CFP_DEGRADEDVALID	4	10
IXLYAMDCF_PATHMASKS	50		IXLYAMDCF_CFP_ENTRYLEN	10	
IXLYAMDCF_PHYSPM	50		IXLYAMDCF_CFP_FLAGS	10	
IXLYAMDCF_RELEASE1	64		IXLYAMDCF_CFP_LATENCY	C	
IXLYAMDCF_RELEASE2	65		IXLYAMDCF_CFP_LATENCYVALID	4	20
IXLYAMDCF_SC@	14		IXLYAMDCF_CFP_LEN	14	18
IXLYAMDCF_SEQUENCE	58		IXLYAMDCF_CFP_LENGTH	4	
IXLYAMDCF_SERVICELEVEL	66		IXLYAMDCF_CFP_MODE	B	
IXLYAMDCF_SIDMAX	4A		IXLYAMDCF_CFP_MODEVALID	4	40
IXLYAMDCF_SL@	C		IXLYAMDCF_CFP_NUMENTRIES	C	
IXLYAMDCF_STANDALONE	4C	1	IXLYAMDCF_CFP_PATHINFO@	14	
IXLYAMDCF_STGI	11E		IXLYAMDCF_CFP_PATHTYPE	1	
IXLYAMDCF_STR@	10		IXLYAMDCF_CFP_PORTNUM	A	
IXLYAMDCF_STRUCTURE_COUNT	D0		IXLYAMDCF_CFP_SAP_AFFINITY	14	
IXLYAMDCF_SUBCH_ALLOCATED	C4		IXLYAMDCF_CFP_TYPE	0	
IXLYAMDCF_SUBCH_CONTENTION	B0		IXLYAMDCF_CFP_VALIDITY	4	
IXLYAMDCF_SUBCH_INUSE	C8		IXLYAMDCF_CFP_VALIDITY1	4	
IXLYAMDCF_SUBCH_MAXLIMIT	CC		IXLYAMDCF_CFP_VALIDITY2	5	
IXLYAMDCF_TCS	104		IXLYAMDCF_CFP_VALIDITY3	6	
IXLYAMDCF_TDS	10C		IXLYAMDCF_CFP_VALIDITY4	7	
IXLYAMDCF_TIME1	6C		IXLYAMDCF_CFPINFO	0	
IXLYAMDCF_TIME2	6D		IXLYAMDCF_CFPINFO_LEN	18	40
			IXLYAMDCFMI	0	
			IXLYAMDCFMI_INFO@		

IXLYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	8		IXLYAMDCFRF_RTCSC		
IXLYAMDCFMI_INFOELEM	C		IXLYAMDCFRF_RTESC	4C	
IXLYAMDCFMI_LEN		10		48	
IXLYAMDCFMI_LENGTH	4		IXLYAMDCFRF_SDTFM	6C	
IXLYAMDCFMI_TYPE	0		IXLYAMDCFRF_SDTSM	70	
IXLYAMDCFMINFO	0		IXLYAMDCFRF_SRDSC	78	
IXLYAMDCFMINFO_LEN	10	44	IXLYAMDCFRF_SSTFM	5C	
IXLYAMDCFMINFO_PCWGT	E		IXLYAMDCFRF_SSTFME	84	
IXLYAMDCFMINFO_PEXTIME	4		IXLYAMDCFRF_SSTSM	60	
IXLYAMDCFMINFO_PFLAGS	C		IXLYAMDCFRF_SYID	2C	
IXLYAMDCFMINFO_PMB	4		IXLYAMDCFRF_TYPE	0	
IXLYAMDCFMINFO_PNUM	0		IXLYAMDCFRF_VALIDITY	94	
IXLYAMDCFMINFO_PSDI	C	80	IXLYAMDCF1	0	
IXLYAMDCFMINFO_PWTTIME	8		IXLYAMDCF1_CPADDR	134	
IXLYAMDCFRF	0		IXLYAMDCF1_FSCM	140	
IXLYAMDCFRF_CFNAME	34		IXLYAMDCF1_LEN	14A	1B0
IXLYAMDCFRF_CHPID	8C		IXLYAMDCF1_RFADDR	130	
IXLYAMDCFRF_CHPIDS	8C		IXLYAMDCF1_SSTGI	148	
IXLYAMDCFRF_CHPIDTYPE	7C		IXLYAMDCF1_TSCM	138	
IXLYAMDCFRF_CHPIDTYPES	7C		IXLYAMDHD	0	
IXLYAMDCFRF_DEGRADED	9D	80	IXLYAMDHD_LEN	8	C
IXLYAMDCFRF_DEGRADEDVALID	94	20	IXLYAMDHD_LENGTH	4	
IXLYAMDCFRF_DSC	68		IXLYAMDHD_NEXT	8	
IXLYAMDCFRF_FLAGS	9D		IXLYAMDHD_TYPE	0	
IXLYAMDCFRF_HESC	50		IXLYAMDSC	0	
IXLYAMDCFRF_LATENCY	A0		IXLYAMDSC_ACTIVE	1A	20
IXLYAMDCFRF_LATENCYVALID	94	40	IXLYAMDSC_ALLPATHS_BUSY	2C	
IXLYAMDCFRF_LEN	FC	100	IXLYAMDSC_CHPID_SET	10	
IXLYAMDCFRF_LENGTH	4		IXLYAMDSC_CHPIDS	10	
IXLYAMDCFRF_MODE	9C		IXLYAMDSC_CHPIDSETTYPE	1C	
IXLYAMDCFRF_MODEVALID	94	80	IXLYAMDSC_CHPIDSTYPE	1C	
IXLYAMDCFRF_NODE	C		IXLYAMDSC_LEN	38	44
IXLYAMDCFRF_PATHDATA	9C		IXLYAMDSC_LENGTH	4	
IXLYAMDCFRF_PGS	3C		IXLYAMDSC_NOTINUSE	1A	40
IXLYAMDCFRF_RFCTOC	40		IXLYAMDSC_NOTOPERATIONAL	1A	80
IXLYAMDCFRF_RFNEXT	8		IXLYAMDSC_PAM	E	
IXLYAMDCFRF_RFSASC	58		IXLYAMDSC_PIM	F	
IXLYAMDCFRF_RFSSC	54		IXLYAMDSC_SCDEVICE	18	
			IXLYAMDSC_SCNEXT	8	
			IXLYAMDSC_SCNUMBER		

IXLYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLYAMDSC_SEQUENCE	C		IXLYAMDSCSC_WMISC	24	
	34		IXLYAMDSCSC_WMNR	2C	
IXLYAMDSC_SUBCH_BUSY	28		IXLYAMDSCSC_WMSTFC	28	
IXLYAMDSC_SUBCH_STATUS	1A			30	
IXLYAMDSC_TYPE	0		IXLYAMDSCSC_WUXIC	74	
IXLYAMDSC_UTILIZATION	30		IXLYAMDSCSC_XICIC	48	
IXLYAMDSCCOC	0		IXLYAMDSCSC_XIFDRC	3C	
IXLYAMDSCCOC_LEN	E	10	IXLYAMDSCSC_XIFWC	40	
IXLYAMDSCCOC_LENGTH	4		IXLYAMDSCSC_XILRC	70	
IXLYAMDSCCOC_TYPE	0		IXLYAMDSCSC_XINIC	44	
IXLYAMDSCCOCBEG	C		IXLYAMDSCSC1	0	
IXLYAMDSCCOCEND	E		IXLYAMDSCSC1_LEN	84	C0
IXLYAMDSCCOCENTRY	0		IXLYAMDSCSC1_UDERIC	78	
IXLYAMDSCCOCSTATS	0		IXLYAMDSCSC1_WMASC	7C	
IXLYAMDSCCOCSTATS_LEN	0	4	IXLYAMDSCSC1_WMWSC	80	
IXLYAMDSCCOCSTATS@	8		IXLYAMDSC1	0	
IXLYAMDSCCSC	0		IXLYAMDSC1_LEN	44	80
IXLYAMDSCCSC_COC	4C		IXLYAMDRLC	0	
IXLYAMDSCCSC_CRLC	68		IXLYAMDRLC_CCLMT	10	
IXLYAMDSCCSC_DAC	64		IXLYAMDRLC_LCIDLMT	C	
IXLYAMDSCCSC_DAEC	5C		IXLYAMDRLC_LEN	12	24
IXLYAMDSCCSC_DEC	58		IXLYAMDRLC_LENGTH	4	
IXLYAMDSCCSC_DERC	34		IXLYAMDRLC_SCLMT	F	
IXLYAMDSCCSC_DTERC	38		IXLYAMDRLC_SLNEXT	8	
IXLYAMDSCCSC_LEN	74	78	IXLYAMDRLC_TYPE	0	
IXLYAMDSCCSC_LENGTH	4		IXLYAMDRLC1	0	
IXLYAMDSCCSC_PCRLC	6C		IXLYAMDRLC1_LEN	24	40
IXLYAMDSCCSC_RHC	C		IXLYAMDRLC_LEN	0	
IXLYAMDSCCSC_RMASC	14		IXLYAMDRLC_LENGTH	18	24
IXLYAMDSCCSC_RMDHC	10		IXLYAMDRLC_LNL	4	
IXLYAMDSCCSC_RMNAC	18		IXLYAMDRLC_LTECHL	C	
IXLYAMDSCCSC_RMTSFC	1C		IXLYAMDRLC_SLNDL	10	
IXLYAMDSCCSC_RSMC	50		IXLYAMDRLC_SLNEXT	14	
IXLYAMDSCCSC_STATS	C		IXLYAMDRLC_TYPE	8	
IXLYAMDSCCSC_TCC	60		IXLYAMDRLC_UIDL	0	
IXLYAMDSCCSC_TSCFC	54		IXLYAMDRLC1	11	
IXLYAMDSCCSC_TYPE	0		IXLYAMDRLC1_LEN	0	
IXLYAMDSCCSC_WHCB0C	20		IXLYAMDRLC1_LEN	24	A4
IXLYAMDSCCSC_WHCB1C	20		IXLYAMDSSCC	0	
			IXLYAMDSSCC_COPYCONTROLS	18	
			IXLYAMDSSCC_LEN	218	238

IXLYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLYAMDSSCC_LENGTH	4		IXLYAMDSSCM_TYPE	A0	
IXLYAMDSSCC_TYPE	0		IXLYAMDSTRC	0	
IXLYAMDSSCM	0		IXLYAMDSTRC_AAI	BC	80
IXLYAMDSSCM_EMSEC	58		IXLYAMDSTRC_AMDATASEQUENCE	36	
IXLYAMDSSCM_EMSELC	60		IXLYAMDSTRC_AMVALID	34	80
IXLYAMDSSCM_EMXAUS	54		IXLYAMDSTRC_ASYNCSUMTIME	68	
IXLYAMDSSCM_FXAUS	3C		IXLYAMDSTRC_ASYNCSUMTIMESQR	70	
IXLYAMDSSCM_IUAUS	44		IXLYAMDSTRC_ASYNCIMECOUNT	64	
IXLYAMDSSCM_IUSCM	48		IXLYAMDSTRC_BITS	BC	
IXLYAMDSSCM_LEN	CC	100	IXLYAMDSTRC_DAEX	C2	
IXLYAMDSSCM_LENGTH	4		IXLYAMDSTRC_DATAFLAGS	B0	
IXLYAMDSSCM_MNEC	30		IXLYAMDSTRC_DELAYQUEUECOUNT	48	
IXLYAMDSSCM_MNELC	2C		IXLYAMDSTRC_DELAYSUMTIME	90	
IXLYAMDSSCM_MSBEC	24		IXLYAMDSTRC_DELAYSUMTIMESQR	98	
IXLYAMDSSCM_MSBELC	28		IXLYAMDSTRC_DELAYIMECOUNT	8C	
IXLYAMDSSCM_MXSCH	18		IXLYAMDSTRC_DTS	D0	
IXLYAMDSSCM_SAECC	B8		IXLYAMDSTRC_DTSVALID	B0	8
IXLYAMDSSCM_SCMAT	20		IXLYAMDSTRC_DUMPSERIALHELD	34	40
IXLYAMDSSCM_SCMILT	78		IXLYAMDSTRC_DUMPSERIALRELEASED	4C	
IXLYAMDSSCM_SCMILT	7A		IXLYAMDSTRC_FLAGS2	B3	
IXLYAMDSSCM_SCMRBT	A8		IXLYAMDSTRC_HIWORKQUEUECOUNT	40	
IXLYAMDSSCM_SCMRFC	80		IXLYAMDSTRC_IRTCEI	B3	10
IXLYAMDSSCM_SCMRPC	84		IXLYAMDSTRC_LEN	F0	F4
IXLYAMDSSCM_SCMUT	79		IXLYAMDSTRC_LENGTH	4	
IXLYAMDSSCM_SCMUTR	7B		IXLYAMDSTRC_MCCV	C0	
IXLYAMDSSCM_SCMWBT	B0		IXLYAMDSTRC_MDAS	C3	
IXLYAMDSSCM_SCMWC	7C		IXLYAMDSTRC_MINSS	CC	
IXLYAMDSSCM_SLSEC	68		IXLYAMDSTRC_MRSS	D4	
IXLYAMDSSCM_SLSELC	70		IXLYAMDSTRC_MSCV	BD	
IXLYAMDSSCM_SRCC1C	BC		IXLYAMDSTRC_MSS	C8	
IXLYAMDSSCM_SRCC2C	C0		IXLYAMDSTRC_NCM	BE	
IXLYAMDSSCM_SRCC3C	C4		IXLYAMDSTRC_PDTDR	E4	
IXLYAMDSSCM_SRCC4C	C8		IXLYAMDSTRC_PDTDR_DATA	E6	
IXLYAMDSSCM_SRSTFM	88		IXLYAMDSTRC_PDTDR_DIR	E4	
IXLYAMDSSCM_SRSTSM	90		IXLYAMDSTRC_PHYSICALVERSION	18	
IXLYAMDSSCM_STATS	18		IXLYAMDSTRC_QUEUEESUMTIME	7C	
IXLYAMDSSCM_SWSTFM	98		IXLYAMDSTRC_QUEUEESUMTIMESQR	84	
IXLYAMDSSCM_SWSTSM					

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLYAMDSTRC_QUEUEUETIMECOUNT	78		IXLYAMDSTRC_VERSION	18	
IXLYAMDSTRC_RBLDSTATUS	30		IXLYAMDSTRC_WORKQUEUECOUNT	44	
IXLYAMDSTRC_RBLDVALID	15	40	IXLYAMDSTRC1	0	
IXLYAMDSTRC_REBLDDUPLEXSTR	30	10	IXLYAMDSTRC1_CCCUR	108	
IXLYAMDSTRC_REBLDMETHODSTR	30	8	IXLYAMDSTRC1_EXECUTIONSUPPRESSED	128	
IXLYAMDSTRC_REBLDNEWSTR	30	20	IXLYAMDSTRC1_FDAEC	104	
IXLYAMDSTRC_REBLDOLDSTR	30	40	IXLYAMDSTRC1_FDEC	100	
IXLYAMDSTRC_REIPI	B3	80	IXLYAMDSTRC1_GCUDRI	FC	
IXLYAMDSTRC_REQCT	38		IXLYAMDSTRC1_LEN	170	174
IXLYAMDSTRC_REQCTASYNC	3C		IXLYAMDSTRC1_LOGICALVERSION	168	
IXLYAMDSTRC_SCOC@	10		IXLYAMDSTRC1_PEERLINKUNAVAILABLECOUNT	124	
IXLYAMDSTRC_SCSC@	C		IXLYAMDSTRC1_PEERWAITCOMPSUMTIME	158	
IXLYAMDSTRC_SID	16		IXLYAMDSTRC1_PEERWAITCOMPSUMTIMESQR	160	
IXLYAMDSTRC_SS	C4		IXLYAMDSTRC1_PEERWAITCOMPTIMECOUNT	154	
IXLYAMDSTRC_SSCI	B3	40	IXLYAMDSTRC1_PEERWAITRSVSUMTIME	144	
IXLYAMDSTRC_STATUS	34		IXLYAMDSTRC1_PEERWAITRSVSUMTIMESQR	14C	
IXLYAMDSTRC_STRINREBLD	30	80	IXLYAMDSTRC1_PEERWAITRSVTIMECOUNT	140	
IXLYAMDSTRC_STRNAME	20		IXLYAMDSTRC1_PEERWAITRSVSCHSUMTIME	130	
IXLYAMDSTRC_STRNEXT	8		IXLYAMDSTRC1_PEERWAITRSVSCHSUMTIMESQR	138	
IXLYAMDSTRC_SYNCSUMTIME	54		IXLYAMDSTRC1_PEERWAITRSVSCHTIMECOUNT	12C	
IXLYAMDSTRC_SYNCSUMTIMESQR	5C		IXLYAMDSTRC1_SCCVN	F8	
IXLYAMDSTRC_SYNCTIMECOUNT	50		IXLYAMDSTRC1_SCCADDR	170	
IXLYAMDSTRC_SYNCTOASYNC	A0		IXLYAMDSTRC1_SXTIME	10C	
IXLYAMDSTRC_TCDEC	EC		IXLYAMDSTRC1_WQC	F4	
IXLYAMDSTRC_TDAEC	B8		IXLYAMDSTRC1	0	
IXLYAMDSTRC_TDEC	B4		IXLYAMDSTRC1_AMDATASEQUENCE	2E	
IXLYAMDSTRC_TMEC	E0		IXLYAMDSTRC1_AMVALID	2C	80
IXLYAMDSTRC_TMELC	DC		IXLYAMDSTRC1_ASYNC	6C	
IXLYAMDSTRC_TOTALHIWORKCOUNT	A4		IXLYAMDSTRC1_ASYNC	74	
IXLYAMDSTRC_TOTALWORKCOUNT	A8		IXLYAMDSTRC1_ASYNC	68	
IXLYAMDSTRC_TSCC	E8		IXLYAMDSTRC1_ASYNC	74	
IXLYAMDSTRC_TSS	D8		IXLYAMDSTRC1_ASYNC	68	
IXLYAMDSTRC_TTY	14		IXLYAMDSTRC1_ASYNC	74	
IXLYAMDSTRC_TTY_STATUS	15		IXLYAMDSTRC1_ASYNC	68	
IXLYAMDSTRC_TYPE	0		IXLYAMDSTRC1_ASYNC	74	
IXLYAMDSTRC_UDFOQI	BC	40	IXLYAMDSTRC1_ASYNC	68	
IXLYAMDSTRC_VALID	B0	80	IXLYAMDSTRC1_ASYNC	74	

IXLYAMDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLYAMDSTR_L_DTSVALID	B4	8	IXLYAMDSTR_L_REBLDOLDSTR	28	40
IXLYAMDSTR_L_DUMPSERIALHELD	2C	40	IXLYAMDSTR_L_REIPI	B7	80
IXLYAMDSTR_L_DUMPSERIALRELEASED	50		IXLYAMDSTR_L_REQCT	30	
IXLYAMDSTR_L_EMCCNT	FC		IXLYAMDSTR_L_REQCTASYNC	34	
IXLYAMDSTR_L_FCONTCT	3C		IXLYAMDSTR_L_SID	E	
IXLYAMDSTR_L_FLAGS2	B7		IXLYAMDSTR_L_SS	C4	
IXLYAMDSTR_L_HIWORKQUEUECOUNT	44		IXLYAMDSTR_L_SSCI	B7	40
IXLYAMDSTR_L_IRTCEI	B7	10	IXLYAMDSTR_L_ST	B9	
IXLYAMDSTR_L_LC	C0		IXLYAMDSTR_L_ST_AI	B9	4
IXLYAMDSTR_L_LELX	BB		IXLYAMDSTR_L_ST_CI	B9	20
IXLYAMDSTR_L_LEN	104	108	IXLYAMDSTR_L_ST_DI	B9	8
IXLYAMDSTR_L_LENGTH	4		IXLYAMDSTR_L_ST_KI	B9	1
IXLYAMDSTR_L_LSEC	E0		IXLYAMDSTR_L_ST_LI	B9	10
IXLYAMDSTR_L_LSELC	D4		IXLYAMDSTR_L_ST_NI	B9	2
IXLYAMDSTR_L_LTECH	BA		IXLYAMDSTR_L_ST_PLEIDI	B9	40
IXLYAMDSTR_L_MAXEMCCNT	100		IXLYAMDSTR_L_ST_SKI	B9	80
IXLYAMDSTR_L_MDLES	B8		IXLYAMDSTR_L_STATUS	2C	
IXLYAMDSTR_L_MINSS	CC		IXLYAMDSTR_L_STFLAGS	B9	
IXLYAMDSTR_L_MLSEC	DC		IXLYAMDSTR_L_STRINREBLD	28	80
IXLYAMDSTR_L_MLSELC	D0		IXLYAMDSTR_L_STRNAME	18	
IXLYAMDSTR_L_MREIPI	B7	20	IXLYAMDSTR_L_STRNEXT	8	
IXLYAMDSTR_L_MRSS	E8		IXLYAMDSTR_L_SYNCSUMTIME	58	
IXLYAMDSTR_L_MSS	C8		IXLYAMDSTR_L_SYNCSUMTIMESQR	60	
IXLYAMDSTR_L_NLE	BC		IXLYAMDSTR_L_SYNCNCTIMECOUNT	54	
IXLYAMDSTR_L_NLTEC	D8		IXLYAMDSTR_L_SYNCNCTOASYNCCOUNT	A4	
IXLYAMDSTR_L_PETELR	F8		IXLYAMDSTR_L_TEMCSTGPCT	108	
IXLYAMDSTR_L_PETELR_ELEMENT	FA		IXLYAMDSTR_L_TMAXEMCCNT	104	
IXLYAMDSTR_L_PETELR_ENTRY	F8		IXLYAMDSTR_L_TMEC	F4	
IXLYAMDSTR_L_PHYSICALVERSION	10		IXLYAMDSTR_L_TMELC	F0	
IXLYAMDSTR_L_QUEUEUSUMTIME	80		IXLYAMDSTR_L_TOTALHIWORKCOUNT	A8	
IXLYAMDSTR_L_QUEUEUSUMTIMESQR	88		IXLYAMDSTR_L_TOTALWORKCOUNT	AC	
IXLYAMDSTR_L_QUEUEUETIMECOUNT	7C		IXLYAMDSTR_L_TSS	EC	
IXLYAMDSTR_L_RBLDSTATUS	28		IXLYAMDSTR_L_TTY	C	
IXLYAMDSTR_L_RBLDVALID	D	40	IXLYAMDSTR_L_TTY_STATUS	D	
IXLYAMDSTR_L_REBLDDUPLEXSTR	28	10	IXLYAMDSTR_L_TYPE	0	
IXLYAMDSTR_L_REBLDMETHODSTR	28	8	IXLYAMDSTR_L_TYPERESLIST	D	80
IXLYAMDSTR_L_REBLDNEWSTR	28	20	IXLYAMDSTR_L_VALID	B4	80

Name	Hex Offset	Hex Value
IXLYAMDSTR1_VERSION	10	
IXLYAMDSTR1_WORKQUEUECOUNT	48	
IXLYAMDSTR1	0	
IXLYAMDSTR1_EXECUTIONSUPPRESSED	13C	
IXLYAMDSTR1_FLAGS	10A	
IXLYAMDSTR1_LEN	184	188
IXLYAMDSTR1_LOGICALVERSION	17C	
IXLYAMDSTR1_LSCUR	10C	
IXLYAMDSTR1_MUID	120	
IXLYAMDSTR1_PEERLINKUNAVAILABLECOUNT	138	
IXLYAMDSTR1_PEERWAITCOMPSUMTIME	16C	
IXLYAMDSTR1_PEERWAITCOMPSUMTIMESQR	174	
IXLYAMDSTR1_PEERWAITCOMPTIMECOUNT	168	
IXLYAMDSTR1_PEERWAITRSVSUMTIME	158	
IXLYAMDSTR1_PEERWAITRSVSUMTIMESQR	160	
IXLYAMDSTR1_PEERWAITRSVTIMECOUNT	154	
IXLYAMDSTR1_PEERWAITRSCHSUMTIME	144	
IXLYAMDSTR1_PEERWAITRSCHSUMTIMESQR	14C	
IXLYAMDSTR1_PEERWAITRSCHTIMECOUNT	140	
IXLYAMDSTR1_SCCVN	110	
IXLYAMDSTR1_SCMACCESSCOUNT	134	
IXLYAMDSTR1_SLND	11C	
IXLYAMDSTR1_SSCCADDR	184	
IXLYAMDSTR1_SSCMADDR	124	
IXLYAMDSTR1_SXTIME	114	
IXLYAMDSTR1_WRTCLI	10A	80

IXLYCAA Information

IXLYCAA Programming Interface information

Programming Interface information

IXLYCAA

End of Programming Interface information

IXLYCAA Heading Information • IXLYCAA Map

IXLYCAA Heading Information

Common Name: IXLCACHE Request Answer Area
Macro ID: IXLYCAA
DSECT Name: CAA
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied.
 Key: User supplied.
 Residency: User supplied.
Size: 144 bytes
 CAA -- X'0090' bytes
Created by: - Storage area created by IXLCACHE invoker
 - Fields set by IXLCACHE service routine
Pointed to by: ANSAREA parameter on IXLCACHE requests
Serialization: None required
Function: Maps the answer area output from IXLCACHE requests

IXLYCAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CAA	IXLCACHE answer area
0	(0)	CHARACTER	12	CAAHEADER (0)	Answer area header
0	(0)	SIGNED	4	CAALEVEL	Macro level of this version of the IXLYCAA macro
4	(4)	SIGNED	4	CAAOFFSET	Offset from the beginning of the structure (Caa) to the answer area data (CaaData)
8	(8)	SIGNED	4	CAALENGTH	Length of the answer area data
12	(C)	CHARACTER	132	CAADATA (0)	Answer area data
12	(C)	SIGNED	4	CAARETCODE	Return code. Values are defined in IXLYCON.
16	(10)	SIGNED	4	CAARSNCODE	Reason code. Values are defined in IXLYCON.
20	(14)	BITSTRING	1	CAABYTEA (0)	Answer area bit-level fields
		1...		CAACHANGED	"X'80" Cached subsystem data changed status. Returned for successful READ_DATA requests and WRITE_DATA requests which fail because of an incompatible state. For structures allocated in a CFLEVEL=4 or higher coupling facility CaaChanged is returned on READ_DATA requests which receive the warning that there was no data to read. CaaChanged is returned for WRITE_DATALIST requests that fail because of an incompatible state. The failing WOB index will be placed in CaaWDLIndex. CaaChanged is returned for CASTOUT_DATALIST requests that fail because the entry data is not changed, the failing entry name index will be placed in CaaCDLIndex. For structures allocated in a coupling facility that supports request halting based on entry data changed status and castout lock state, CaaChanged is returned for DELETE_NAME and DELETE_NAMELIST requests that are halted because entry data is changed or the cast-out lock is held and HALTONCHANGED=YES was specified. For DELETE_NAME, the entry name that the request halted on is placed in CaaDelName. For DELETE_NAMELIST, the index of the name element that caused the request to halt is placed in CaaDNLIndex. 1 ==> changed, 0 ==> unchanged.
		.1..		CAAINVLCVI	"X'40" Indicates a local cache vector index was invalidated because interest for the associated item was re-registered using a different vector index. When this bit is set the CaaInvLcviNum field contains the invalidated vector index number. Returned for successful READ_DATA and CASTOUT_DATA requests and WRITE_DATA requests when WHENREG=NO is specified. Also returned on READ_DATA requests which receive the warning that there was no data to read.
		.1..		CAALCVI	"X'40" Only valid for a WRITE_DATA request with WHENREG=YES and VECTORINDEX specified. CaaLcvi indicates that the value of the vectorindex specified on the request does not match the value of the registered local cache vector index. CaaLcviNum will contain the value of the registered local cache vector index.
		..11		CAAPARITY	"X'30" Parity as recorded in the directory entry. Returned for successful READ_DATA and CASTOUT_DATA requests. For structures allocated in a CFLEVEL=4 or higher coupling facility CaaParity is returned on READ_DATA requests which receive the warning that there was no data to read.
		.... 11..		CAACOLCKSTATE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..1.		CAADATACACHED	"X'0C" Castout lock state. Returned for successful READ_DATA requests, for WRITE_DATA requests which fail because the entry is in an incompatible state, for CASTOUT_DATA requests which fail because the castout lock is already held, and for UNLOCK_CASTOUT and UNLOCK_CO_NAME requests which fail because the castout lock is not held or the castout lock state is incompatible. Values are declared below. UNLOCK_CO_NAME is CFLEVEL=4 or higher. For structures allocated in a CFLEVEL=4 or higher coupling facility, CaaCoLockState is returned on READ_DATA requests which receive the warning that there was no data to read. CaaCoLockState is returned for CASTOUT_DATALIST requests that fail because the castout lock is already held for the entry name currently being processed. The failing entry name index will be placed in CaaCDLIndex. For structures allocated in a coupling facility that supports request halting based on entry data changed status and castout lock state, CaaCoLockState is returned for DELETE_NAME and DELETE_NAMELIST requests that are halted because entry data is changed or the cast-out lock is held and HALTONCHANGED=YES was specified. For DELETE_NAME, the entry name that the request halted on is placed in CaaDelName. For DELETE_NAMELIST, the index of the name element that caused the request to halt is placed in CaaDNLIndex.
		.... ...1		CAADJAREAVAILD	"X'02" Data-cached indicator. For structures which are allocated in a CFLEVEL=4 or higher coupling facility it is returned on successful READ_DATA requests. For CASTOUT_DATALIST requests that fail because the entry data is not changed. The failing entry name index will be placed in CaaCDLIndex 1 ==> subsystem data is cached for the entry. 0 ==> no subsystem data is cached, e.g. only a directory entry is allocated for the name.
21	(15)	BITSTRING	1	CAASTGCLFULL	"X'01" Adjunct area validity bit. Returned on READ_DATA and CASTOUT_DATALIST requests when AdjArea has been specified. 1 ==> Valid adjunct data has been returned. 0 ==> Adjunct data did not exist. The storage class from which a reclaiming operation failed, causing the failure of a READ_DATA, WRITE_DATA, WRITE_DATALIST or REG_NAMELIST request because directory or data entry resources could not be obtained to satisfy the request
22	(16)	SIGNED	2	CAALISTINDEX (0)	Area containing various indexes depending on the type of request and the result of the request
22	(16)	SIGNED	2	CAAULINDEX	Index of the name element that caused failure of an UNLOCK_CASTOUT request or the index of the first unprocessed name element if the UNLOCK_CASTOUT completed prematurely or failed due to an invalid index value.
22	(16)	SIGNED	2	CAARNLINDEX	Index of the current registration block returned on a REG_NAMELIST request. A value of zero indicates that no registration blocks were successfully processed. For each of the following return/reason codes, the value of CaaRNIndex will be as follows: IxIRetcodeOk => Index of the last registration block that the connector requested be processed (ENDINDEX). IxIRsncodeTimeout => Index of the first unprocessed registration block. All prior registration blocks were processed. IxIRsncodeStrFull, IxIRsncodeBadStgClass => Index of the registration block associated with the failing registration command. All prior registration blocks were processed. IxIRsnCodeBadVectorOp => Index of the registration block containing the first invalid vector index. None of the specified registration blocks were processed (command processing was suppressed).
22	(16)	SIGNED	2	CAADNLINDEX	Index of the current name element returned on a DELETE_NAMELIST request. For each of the following return/reason codes, the value CaaDNLIndex will be as follows: IxIRsncodeTimeout => Index of the first unprocessed name element. All prior name elements were processed, however, if ErrorAction=CONTINUE was specified then some of the prior name elements may not have been processed successfully. IxIRsnCodeBadEntryVersion => Index of the name element which failed because of a version number mis-match when ErrorAction=TERMINATE was specified. IxIRsnCodeNoEntry => Index of the name element which failed because the entry specified did not exist in the structure when ErrorAction=TERMINATE was specified. IxIRsnCodeHaltChangedData => Index of the name element which caused the request to be halted because the entry specified contains changed data or for which the cast-out lock is held and HALTONCHANGED=YES was specified. An index associated with this reason code is valid only for structures allocated in a coupling facility that supports request halting based on entry data change status and castout lock state. CaaDNLIndex is valid only for structures allocated in a CFLEVEL=5 or higher coupling facility.

IXLYCAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
22	(16)	SIGNED	2	CAAWDLINDEX	Index of the current write-operation block returned on a WRITE_DATALIST request. For each of the following return/reason codes, the value CaaWDLIndex will be as follows: IxIRsnCodeTimeout => Index of the first unprocessed write-operation block, all prior write-operation blocks were processed. IxIRsnCodeBadEntryVersion => Index of the write-operation block which failed because of a version number mismatch, all prior write-operation blocks were processed. IxIRsnCodeNoEntry => Index of the write-operation block which failed because the entry specified did not exist in the structure, all prior write-operation blocks were processed. IxIRsnCodeStrFull => Index of the write-operation block which failed because the target storage class was full, all prior write-operation blocks were processed. IxIRsnCodeElemNumMismatch => Index of the write-operation block which failed because the ElemNum in the write-operation block did not match the actual size of the data area in the data block, all prior write-operation blocks were processed. IxIRsnCodeBadElemNum => Index of the write-operation block which failed because an invalid ElemNum was specified in the write-operation block, all prior write-operation blocks were processed. IxIRsnCodeBadParity => Index of the write-operation block which failed because invalid parity bits were specified in the write-operation block, all prior write-operation blocks were processed. IxIRsnCodeBadCOClass => Index of the write-operation block which failed because invalid Cast-out class was specified in the write-operation block, all prior write-operation blocks were processed. IxIRsnCodeBadStgClass => Index of the write-operation block which failed because invalid storage class was specified in the write-operation block, all prior write-operation blocks were processed. IxIRsnCodeIncompatState => Index of the write-operation block associated with the failing write request, all prior write-operation blocks were processed. IxIRsnCodeBadConId => Index of the write-operation block which failed because an invalid local CONID specified in the write-operation block, all prior write-operation blocks were processed. IxIRsnCodeBadVectorOp => Index of the write-operation block containing the first invalid vector index. None of the specified write-operation blocks were processed (command processing was suppressed). IxIRsnCodeBadGetCOLock => Index of the write-operation block which failed because the change control indicator and the get cast-out lock indicator were both set. None of the specified write-operation blocks were processed (command processing was suppressed). IxIRsnCodeBadWrtSuppressCntl -> Index of the write-operation block which failed because the change control indicator and assignment suppression indicator were not both set when LOCALREGCNTL=YES was specified. None of the specified write-operation blocks were processed. Processing of the entire command was suppressed.
22	(16)	SIGNED	2	CAACDLINDEX	Index of the current name element for a CASTOUT_DATALIST command. For each of the following return/reason codes, the value CaaCDLIndex will be as follows: IxIRsnCodeTimeout => Index of the first unprocessed name element. All prior name elements were processed. IxIRsnCodeBufferFull => Index of the name element which caused the request to end prematurely due to a buffer full condition. All prior name elements were processed. IxIRsnCodeCOUnchanged => Index of the name element which failed because the entry specified did not contain changed subsystem data. All prior name elements were processed. IxIRsnCodeCOLockHeld => Index of the name element which failed because the cast-out lock was already held for the entry specified. All prior name elements were processed. IxIRsnCodeNoEntry => Index of the name element which failed because the entry specified did not exist in the structure. All prior name elements were processed.
22	(16)	SIGNED	2	CAACILINDEX	Index of the current name element for a CROSS_INVALLIST command. For each of the following return/reason codes, the value CaaCILIndex will be as follows: IxIRsnCodeTimeout => Index of the first unprocessed name element. All prior name elements were processed. IxIRsnCodeNoEntry => Index of the name element which failed because the entry specified did not exist in the structure, all prior name elements were processed.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
24	(18)	CHARACTER	2	CAACOLCKVAL	The contents of the castout lock for the entry. Returned for successful READ_DATA requests, for WRITE_DATA requests which fail because the entry is in an incompatible state, for CASTOUT_DATA requests which fail because the castout lock is held, and for UNLOCK_CASTOUT and UNLOCK_CO_NAME requests which fail either because the castout lock is in an incompatible state or because the castout lock is not held by the connection. Unlock_CO_Name is CFLEVEL=4 or higher. For structures allocated in a CFLEVEL=4 or higher coupling facility CaaCoLockVal is returned on READ_DATA requests which receive the warning that there was no data to read. CaaCoLockVal is returned for CASTOUT_DATALIST requests that fail because the castout lock is already held for the entry name currently being processed. The failing entry name index will be placed in CaaCDLIndex. CaaCoLockVal is returned for WRITE_DATALIST requests which fail because the entry is in an incompatible state. The failing entry name index will be placed in CaaWDLIndex. For structures allocated in a coupling facility that supports request halting based on entry data changed status and castout lock state, CaaCoLockVal is returned for DELETE_NAME and DELETE_NAMELIST requests that are halted because entry data is changed or the cast-out lock is held and HALTONCHANGED=YES was specified. For DELETE_NAME, the entry name that the request halted on is placed in CaaDelName. For DELETE_NAMELIST, the index of the name element that caused the request to halt is placed in CaaDNLIndex.
26	(1A)	SIGNED 1... ..	2	CAAREFCOUNT (0) CAAENHANCEDRTALGP PRESENT	The number of processed directory entries that initially had the reference bit set for a RESET_REFBIT request. "X'80" Enhanced RT support present. Returned on READ_COCLASS requests. 1 ==> Enhanced RT support is present in the CF, 0 ==> No enhanced RT support is present
28	(1C)	SIGNED	2	CAAELEMNUM	Cache entry size expressed as the number of elements in the entry. Returned for successful READ_DATA and CASTOUT_DATA requests when BUFFER or BUFLIST is specified. Also returned for READ_DATA, WRITE_DATALIST and CASTOUT_DATA request which fail due to a bad buffer size. For structures allocated in CFLEVEL=4 or higher coupling facilities, returned for successful READ_DATA requests whether or not BUFFER or BUFLIST is specified.
30	(1E)	SIGNED	2	CAAWDLDATAOFFSET (0)	Offset of the data area in the data block that corresponds to the write-operation block of a WRITE_DATALIST request that caused a failure of a WRITE request or the index of the first unprocessed data area in the data block that corresponds to the write-operation block if the WRITE_DATALIST completed prematurely.
30	(1E)	SIGNED	2	CAACOCCLASS	The Castout Class for an entry. For structures allocated in a coupling facility that supports request halting based on entry data changed status and castout lock state, CaaCoClass is returned for DELETE_NAME and DELETE_NAMELIST requests that are halted because entry data is changed or the cast-out lock is held and HALTONCHANGED=YES was specified. For DELETE_NAME, the entry name that the request halted on is placed in CaaDelName. For DELETE_NAMELIST, the index of the name element that caused the request to halt is placed in CaaDNLIndex.
32	(20)	SIGNED	4	CAADIRCOUNT	The number of IXLYDEIBs returned for a READ_DIRINFO request or a READ_COCLASS request with DIRINFOFMT=DIRENTRYLIST, or the number of IXLYCANBs returned for a READ_DIRINFO or READ_COCLASS request with DIRINFOFMT=NAMELIST, or the number of processed directory entries for a RESET_REFBIT request. Returned when any of these requests completes successfully or prematurely.
36	(24)	SIGNED	4	CAACOCOUNT	The total number of data elements assigned to the castout class to which data was just written. Returned for successful WRITE_DATA requests of changed subsystem data.
40	(28)	SIGNED	4	CAATOTCHANGED	The total number of entries assigned to the storage class to which data was just written that contain changed or locked-for-cast-out subsystem data. Returned for successful WRITE_DATA requests of changed subsystem data.
44	(2C)	CHARACTER	8	CAARESTOKEN	Request restart token. Returned for READ_DIRINFO, READ_COCLASS, CROSS_INVAL, DELETE_NAME, and RESET_REFBIT requests which complete prematurely. Valid for connectors that specify ALLOWAUTO=NO on their IXLCONN invocation.
52	(34)	SIGNED	4	CAAINVLCVINUM (0)	Invalidated local cache vector index number. Only valid when the CaaInvLcvi bit is set. Returned for successful READ_DATA and CASTOUT_DATA requests, and for WRITE_DATA requests when WHENREG=NO is specified. Also returned on READ_DATA requests which receive the warning that there was no data to read.

IXLYCAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
52	(34)	SIGNED	4	CAALCVINUM	Local cache vector index number. Returned for WRITE_DATA requests with WHENREG=NO and WRITE_DATALIST requests which fail because the castout lock state is incompatible with the request, and for WRITE_DATA requests with WHENREG=YES and VECTORINDEX specified which fail because the VECTORINDEX specified does not match the registered local cache vector (CaaLcviNum will contain the value of the registered local cache vector). For WRITE_DATA requests with WHENREG=YES and VECTORINDEX specified, CaaLcviNum is only valid when the CaaLcvi bit is set.
56	(38)	SIGNED	4	CAASUSPENDTIME	Suspend time for request (microseconds). Will be zero if the request was not suspended or if the support for suspend time computation is not installed.
60	(3C)	CHARACTER	8	CAAUSERDATA	User data field. Returned on successful Castout_Data requests. CaaUserData is valid only for structures allocated in a CFLEVEL=5 or higher coupling facility.
68	(44)	CHARACTER	8	CAAVERSION	Version number. Returned on Write_Data and WRITE_DATALIST requests when a version number comparison fails, Delete_NameList requests when ErrorAction=TERMINATE is specified and a version number comparison fails, successful Read_Data requests, and successful Castout_Data requests. CaaVersion is valid only for structures allocated in a CFLEVEL=5 or higher coupling facility.
76	(4C)	CHARACTER	20	CAARSVD (0)	Reserved
76	(4C)	CHARACTER	4	CAARSVD1	Reserved for system use
80	(50)	CHARACTER	16	CAARSVD2	Reserved for system use
96	(60)	CHARACTER	1	CAAVERSION0END (0)	End of IXLCACHE answer area for CAA version level 0
96	(60)	CHARACTER	16	CAAEXTRESTOKEN	Request restart token. Returned for READ_DIRINFO, READ_COCLASS, CROSS_INVAL, DELETE_NAME, and RESET_REFBIT requests which complete prematurely. Valid for connectors that specify ALLOWAUTO=YES on their IXLCONN invocation.
112	(70)	CHARACTER	10	CAAINVLCVVECTOR	A bit string that represents the invalidated local cache validity indicator for a write-operation response block. Bit 0 in the bit string represents the invalidated local cache validity indicator for the WORB corresponding to the WOB specified by STARTINDEX. Bit i in the bit string represents the WORB corresponding to the STARTINDEX + i WOB specified in the WRITE_DATALIST request. Each bit position, when set, indicates that a local cache vector index was invalidated because interest for the associated item was re-registered using a different vector index. When this bit is set, the Worb_InvLcviNum field in the corresponding WORB contains the invalidated vector index number. Returned for successful WRITE_DATALIST requests.
122	(7A)	BITSTRING 1...	1	CAABYTEB (0) CAAADJAREANONADDR	Answer area bit-level fields "X'80" Adjunct area addressability bit. Returned on CASTOUT_DATALIST requests when AdjArea has been specified. 1 ==> Storage area specified AdjArea is non-addressable 0 ==> AdjArea is addressable
		.1..		CAADEIBAREANONADDR	"X'40" DEIBAREA addressability bit. Returned on CASTOUT_DATALIST requests. 1 ==> Storage area specified DeibArea is non-addressable 0 ==> DeibArea is addressable
123	(7B)	CHARACTER	16	CAADELNAME (0)	the name of the entry that a DELETE_NAME request was halted on because the entry data is changed or the cast-out lock is held and HALTONCHANGED=YES was specified. CaaDelName is returned for DELETE_NAME requests issued to structures allocated in a coupling facility that supports request halting based on entry data changed status and cast-out lock state
123	(7B)	CHARACTER	10	CAAWRITESUPPRESSVECTOR	a bit string that represents whether write-operation block write requests were suppressed. Each bit represents a write-operation block for a WRITE_DATALIST request that specified LOCALREGCNTL=YES. Bit 0 in the bit string represents a write suppression indicator for the WOB corresponding to STARTINDEX. Bit i in the bit string represents the STARTINDEX + i WOB specified for the WRITE_DATALIST request. The bit string is valid when LOCALREGCNTL=YES was specified on the WRITE_DATALIST request. 1 => the WOB was processed and the write was suppressed due to the user's connection (local cache) being the only registered interest in the directory entry for the data item and no subsystem data for the directory entry is cached. 0 => the WOB was processed and the write operation was not suppressed
133	(85)	CHARACTER	6		Reserved
139	(8B)	CHARACTER	5		Reserved
144	(90)	CHARACTER	1	CAAVERSION1END (0)	End of IXLCACHE answer area for CAA version level 1
144	(90)	CHARACTER	1	CAAEND (0)	End IXLCACHE answer area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Constants					
End of Comment					
144	(90)	X'1'	0	CAALEVEL#	"1" Macro level number
144	(90)	X'1'	0	CAALEVELNUM	"1" Macro level number
144	(90)	X'0'	0	CAALEVEL0	"0" Macro level number
144	(90)	X'1'	0	CAALEVEL1	"1" Macro level number
144	(90)	X'60'	0	CAALEVEL0LEN	"96" Length of CaaLevel0 answer area
144	(90)	X'90'	0	CAALEVEL1LEN	"144" Length of CaaLevel1 answer area
Comment					
Castout lock state values					
Note: To use these values you should reset all of the bits in CAABYTEA except the CAACLOCKSTATE bits and then compare the full byte against these values.					
End of Comment					
		.... ....		CAACOLS_RESET	"B'00000000" The reset state is entered when the name is assigned to the directory entry or when the castout lock is reset to zeros.
		.... .1..		CAACOLS_READFORCASTOUT	"B'00001000" The read for castout state is entered when the castout lock is obtained by a CASTOUT_DATA request.
		.... 1...		CAACOLS_WRITEWITHCASTOUT	"B'00001000" The write with castout state is entered when the castout lock is obtained by a WRITE_DATA request specifying GETCOLOCK=YES.
144	(90)	X'90'	0	CAA_LEN	**-CAA"

IXLYCAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CAA	0		CAAINVLCVI	14	40
CAA_LEN	90	90	CAAINVLCVINUM		
CAAADJAREANONADDR				34	
CAAADJAREAVALID	7A	80	CAAINVLCVVECTOR		
	14	1		70	
CAABYTEA	14		CAALCVI	14	40
CAABYTEB	7A		CAALCVINUM	34	
CAACDLINDEX	16		CAALENGTH	8	
CAACHANGED	14	80	CAALEVEL	0	
CAACILINDEX	16		CAALEVEL#	90	1
CAACOCCLASS	1E		CAALEVELNUM	90	1
CAACOCOUNT	24		CAALEVEL0	90	0
CAACLOCKSTATE			CAALEVEL0LEN	90	60
	14	C	CAALEVEL1	90	1
CAACLOCKVAL	18		CAALEVEL1LEN	90	90
CAACOLS_READFORCASTOUT			CAALISTINDEX	16	
	90	4	CAAOFFSET	4	
CAACOLS_RESET			CAAPARITY	14	30
	90	0	CAAREFCOUNT	1A	
CAACOLS_WRITEWITHCASTOUT			CAARESTOKEN	2C	
	90	8	CAARETCODE	C	
CAADATA	C		CAARNLINDEX	16	
CAADATACACHED			CAARSNCODE	10	
	14	2	CAARSVD	4C	
CAADEIBAREANONADDR			CAARSVD1	4C	
	7A	40	CAARSVD2	50	
CAADELNAME	7B		CAASTGCLFULL	15	
CAADIRCOUNT	20		CAASUSPENDTIME		
CAADNLINDEX	16			38	
CAAELEMNUM	1C		CAATOTCHANGED		
CAAEND	90			28	
CAANHANCEDRTALGPRESNT			CAAULINDEX	16	
	1A	80	CAAUSERDATA	3C	
CAAEXTRESTOKEN			CAAVERSION	44	
	60		CAAVERSION0END		
CAAHEADER	0			60	
			CAAVERSION1END		

IXLYCAA Cross Reference

Name	Hex Offset	Hex Value
	90	
CAAWDLDATAOFFSET		
	1E	
CAAWDLINDEX	16	
CAAWWRITESUPPRESSVECTOR		
	7B	

IXLYCANB Information

IXLYCANB Programming Interface information

Programming Interface information

IXLYCANB

End of Programming Interface information

IXLYCANB Heading Information • IXLYCANB Map

IXLYCANB Heading Information

Common Name: Cache Name Block
Macro ID: IXLYCANB
DSECT Name: CANB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
Key: User supplied
Residency: User supplied
Size: CANB -- X'0020' bytes
Created by: - Storage area created by IXLCACHE invoker
- CANB data created by IXLCACHE service routine
Pointed to by: BUFFER or BUFLIST parameter on IXLCACHE
Serialization: See BUFFER and BUFLIST parameter requirements on the IXLCACHE interface description.
Function: The CANB maps the information returned when the IXLCACHE macro is issued for a READ_COCLASS or READ_DIRINFO request when DIRINFOFMT=NAMELIST is specified.

IXLYCANB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CANB	Cache Name Block
0	(0)	CHARACTER	16	CANBNAME	Name of structure entry meeting the READ_COCLASS or READ_DIRINFO criteria.
16	(10)	CHARACTER	8	CANUSERDATA	Directory entry user data for structure entry.
24	(18)	CHARACTER	7		Reserved
31	(1F)	BITSTRING	1	CANBELEMNUM	Cache entry size expressed as the number of elements in the entry.
32	(20)	CHARACTER	1	CANBEND (0)	End of CANB.
32	(20)	X'20'	0	CANB_LEN	**-CANB"

IXLYCCIH Information

IXLYCCIH Programming Interface information

Programming Interface information

IXLYCCIH

End of Programming Interface information

IXLYCCIH Heading Information • IXLYCCIH Map

IXLYCCIH Heading Information

Common Name: Castout Class Information Header
Macro ID: IXLYCCIH
DSECT Name: CCIH
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: CCIHCOSTATSLIST -- X'0020' bytes
 CCIH1 -- X'0020' bytes
 CCIHCOUNTS -- X'0004' bytes
 CCIHCCIBS -- X'0020' bytes
 CCIH -- X'0004' bytes
 COUNTS -- X'0004' bytes
 CCIBS -- X'0020' bytes
Created by: - Storage area created by IXLCACHE invoker
 - CCIH data created by IXLCACHE service routine
Pointed to by: BUFFER or BUFLIST parameter on IXLCACHE
Serialization: See BUFFER and BUFLIST parameter requirements on the IXLCACHE interface description.
Function: The CCIH contains request-level information returned in the data area from a IXLCACHE READ_COSTATS request. For each castout class, the information returned consists of the number of data elements that are associated with entries in the indicated castout class. For structures which are allocated in a CFLEVEL=5 or higher coupling facility it will also contain the user data field of the first entry if CoStatsFmt=COSTATSLIST is specified on the request.

IXLYCCIH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CCIH	Castout Class Information Header
0	(0)	SIGNED	2	CCIHCOCCLASSBEG	First castout class in the range of castout classes processed
2	(2)	SIGNED	2	CCIHCOCCLASSEND	
4	(4)	CHARACTER	1	CCIHCOUNTSDATA (0)	Beginning of data fields
4	(4)	CHARACTER	1	CCIHEND (0)	
4	(4)	X'4'	0	CCIH_LEN	End of CCIH "-CCIH"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CCIHCOSTATSLIST	Castout class Information mapping for addressing CcihCcibs data mapping Reserved
0	(0)	CHARACTER	32		
32	(20)	CHARACTER	1	CCIHCCIBSDATA (0)	Beginning of data fields
32	(20)	CHARACTER	1	CCIHCOSTATSLISTEND (0)	
32	(20)	X'20'	0	CCIHCOSTATSLIST_LEN	End of CcihCoStatsList "-CCIHCOSTATSLIST"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CCIHCOUNTS	Map the castout class count fields. Castout class count of data elements.
0	(0)	SIGNED	4	CCIHCOUNTSCASTOUTCLASSCOUNT	
0	(0)	X'4'	0	CCIHCOUNTS_LEN	"-CCIHCOUNTS"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CCIHCCIBS	
0	(0)	CHARACTER	32	CCIHCCIB (0)	
0	(0)	SIGNED	4	CCIHCCIBCOUNT	
					Castout class count of data elements
4	(4)	CHARACTER	4		
8	(8)	CHARACTER	8	CCIHCCIBUSERDATA	
					For a structure allocated with a UDF (user data field) order queue for each castout class, this field contains the user data of the first entry on the UDF order queue. For a structure allocated without a UDF order queue, this field contains the user data of the first entry on the castout class queue.
16	(10)	CHARACTER	16		
16	(10)	X'20'	0	CCIHCCIBS_LEN	
					**_CCIHCCIBS"

IXLYCCIH Cross Reference

Name	Hex Offset	Hex Value
CCIH	0	
CCIH_LEN	4	4
CCIHCCIB	0	
CCIHCCIBCOUNT	0	
CCIHCCIBS	0	
CCIHCCIBS_LEN	10	20
CCIHCCIBSDATA	20	
CCIHCCIBUSERDATA	8	
CCIHCOCLASSBEG	0	
CCIHCOCLASSEND	2	
CCIHCOSTATSLIST	0	
CCIHCOSTATSLIST_LEN	20	20
CCIHCOSTATSLISTEND	20	
CCIHCOUNTS	0	
CCIHCOUNTS_LEN	0	4
CCIHCOUNTSCASTOUTCLASSCOUNT	0	
CCIHCOUNTSDATA	4	
CCIHEND	4	

IXLYCEPL Information

IXLYCEPL Programming Interface information

Programming Interface information

IXLYCEPL

End of Programming Interface information

IXLYCEPL Heading Information • IXLYCEPL Map

IXLYCEPL Heading Information

Common Name: Contention Exit Parameter List
Macro ID: IXLYCEPL
DSECT Name: CEPL CEPLNT
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 205
 Key: Key 0
 Residency: Above 16 MB in virtual storage.
Size: 88 bytes + 184*CEPLENT# + length of resource name
Created by: IXLRQCEI
Pointed to by: First word in parameter list provided to contention exit
Serialization: None required
Function: Maps parameter list to contention exit interface to connected user.

IXLYCEPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CEPL	Contention exit parameter list
0	(0)	CHARACTER	16	CEPLCONTOKEN	Connect token identifying the connected user who has been chosen by XES to manage this instance of resource contention (i.e. the connector whose contention exit is executing)
16	(10)	CHARACTER	8	CEPLCONDATA	Connect-time data of the connector whose contention exit is driven. This field is user defined data provided as input to IXLCONN.
24	(18)	ADDRESS	4	CEPLRNAME@	Name of the Resource for which the Contention exit is executing. Please note, the Resource Name along with the Hash Value serves to fully qualify an IXLLOCK Resource
28	(1C)	SIGNED	4	CEPLRNAMELEN	Length of Resource Name
32	(20)	SIGNED	4	CEPLHASHVAL	Hash value of the Resource for which the Contention Exit is executing. Please note, the Hash Value along with the Resource Name fully qualifies an IXLLOCK Resource
36	(24)	CHARACTER	32	CEPLWORK	Contention Exit Work area. Please note, this area is initialized to zero upon the first entry to the Contention Exit. Any updates will persist between invocations of the exit until this instance of Contention management has ceased.
68	(44)	ADDRESS	4	CEPLNEW@	Address of the entry on the Resource Request queue for a new, pending request that has not been previously presented to the exit. This field is only valid when a new request is present on the queue (i.e. CEPLNEW#=1). The new entry is mapped by CEPLNT
72	(48)	BITSTRING	2	CEPLFLAGS (0)	Informational Flags
72	(48)	BITSTRING	1	CEPLREASONFLAGS (0)	Flags indicating the Reason for which the exit has been given control
		1...		CEPLRECOVERY	"X'80" Recovery scenario. This flag will be set to ON on the initial invocation of the exit when contention management responsibilities have been assigned due to the connector who was previously assigned these duties having failed or disconnected. This flag will also be set ON when a connector with an interest in the resource (other than the contention manager) has failed or disconnected such that its entry has been removed
		.1..		CEPLNOTIFYRESPONSE	"X'40" Contention Exit is being invoked to present the results of executing Notify Exits of selected resource owners as requested by the previous invocation of this exit. No new requests will be present on the resource request queue when the exit is being driven for this.
		..1.		CEPLGRANTFAILED	"X'20" XES was unable to grant one or more requests as instructed by the previous invocation of this exit. The resource request queue is updated to reflect the results of the failing requests(s). If a failed request was an attempt to obtain ownership of a resource (i.e. failed IXLLOCK REQUEST(OBTAIN)), the resultant request queue will not contain an entry for the failed request. Any requests to execute the Notify exits of resource owners during the previous invocation of this exit will have been cancelled as a result of the failed attempt to grant a request. No New requests will be present during this invocation of the exit
		...1		CEPLRESTARTAFTERDEFER	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
73	(49)	BITSTRING	1	CEPLMISCFLAGS (0)	"X'10" This flag is ON during the initial invocation of the contention exit after it has been deferred for rebuild processing (i.e. the exit has been restarted after rebuild). Please see the documentation for contention exit return code IxIRcContExitRebuildDefer in mapping macro IXLYCON for more details on deferring a contention exit during rebuild processing. Please note, the content of the Contention Exit Parameter list during this invocation of the exit will be identical to the Contention Exit parameter list that was presented to the previous invocation of the exit (i.e. the invocation which requested that processing be deferred) with the following exceptions... (1) Any work area updates that were made during the previous invocation of the exit will have been preserved (2) A connector whose interest in this resource was reflected on the resource request queue during the previous invocation of the exit may no longer be represented due to recovery processing (i.e. the connector failed or disconnected and cleanup has occurred). Note, the CepIRecovery flag will be ON if cleanup has occurred.
		1... .... .1..		CEPLREBUILD CEPLREBUILDORIG	Miscellaneous informational flags "X'80" Resource in contention is for the new structure during the rebuild process. "X'40" Resource in contention is for the original structure during the rebuild process.
74	(4A)	SIGNED	2	CEPLNEW#	Number of new requests present on the resource request queue. The resource request queue will contain at most one new request during any invocation of the exit. When this value is one, the new entry is pointed to by CepINew
76	(4C)	ADDRESS	4	CEPLENT@	Address of the first entry on the resource request queue. Each entry is mapped by CEPLENT and contains a pointer to any subsequent entries. This field could possibly contain the same value as the CepINew
80	(50)	SIGNED	4	CEPLENT#	Number of entries on the resource request queue. Please note, this value could potentially be zero.
84	(54)	SIGNED	4	CEPLRETCODE	Contention exit return code. Values are defined in IXLYCON.
84	(54)	X'58'	0	CEPL_LEN	**-CEPL"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CEPLENT	Mapping of Resource Request queue elements
0	(0)	ADDRESS	4	CEPLENEX	Output field indicating the address of next CEPLENT. This field will be zero if this is the last element
4	(4)	CHARACTER	4	CEPLECONVERSION	Output field indicating the Version Number of the connector whose interest in the resource for which the exit is being driven is reflected by this entry.
8	(8)	CHARACTER	5		Reserved
13	(D)	SIGNED	1	CEPLECONID	Output field indicating the Connector ID of the connector whose interest in the resource for which the exit is being driven is reflected by this entry
14	(E)	CHARACTER	6		Reserved
20	(14)	CHARACTER	16	CEPLECONNAME	Output field indicating the Connect name of the connector whose interest in the resource for which the exit is being driven is reflected by this entry
36	(24)	CHARACTER	16		Reserved
52	(34)	CHARACTER	32	CEPLEWORK	Entry Work area. Input/Output field which is initialized to zero upon first presentation to the exit. This workarea is shared between this exit and the Notify exit of the connector represented by this entry. Specifically, if this exit requests that the Notify exit of the connector represented by this entry be executed (i.e. CepINotify=ON), the NEPLWork field will be initialized to the value of this field. Similarly, any updates made to the NEPLWork field by the Notify exit will be communicated to the Contention Exit via this field
84	(54)	CHARACTER	4	CEPLEFLAGS (0)	
84	(54)	BITSTRING	1	CEPLESTATUSFLAGS (0)	Output flags representing this connector's interest in the specified resource. The condition indicated by the flags within this field are NOT mutually exclusive and as such may be set to ON singularly or in combination
		1...		CEPLEOWNED	"X'80" Set to ON if the connector represented by this entry is an owner of the resource for which the Contention exit is being executed
		.1..		CEPLEPENDING	"X'40" Set to ON if the entry contains information for a pending request. Specific information regarding the pending request is available in the CepIReq field.
85	(55)	BITSTRING	1	CEPLEACTIONFLAGS (0)	

IXLYCEPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		CEPLEGRANT	Input flag bits indicating actions,if any, should be taken against the resource/request. Please note, the CepleGrant, CepleDeny, and CepleRegrant flags are mutually exclusive. If more than one of these mutually exclusive flags is specified, the first encountered in the bit string will take precedence (i.e. If CepleGrant and CepleDeny are both ON, XES will process it as a request to grant).
		.1..		CEPLEDENY	"X'80" Grant this pending request with the attributes reflected in the CepleGrt fields. If this field is set and this entry does NOT represent a pending request (i.e. CeplePending = OFF), this entry will be ignored.
		..1.		CEPLEREGRANT	"X'40" Deny this pending request. The value of the CepleGudata field will be presented to the requestor via the appropriate means as part of request completion. This ability to "Deny with Updated User Data" could potentially allow informational data, such as why the request was denied, to be transported to the requestor. The values of the CepleGState and CepleGRdata are ignored when this option is used. If this field is set and this entry does NOT represent a pending request (i.e. CeplePending = OFF), this entry will be ignored.
		...1		CEPLENOTIFY	"X'20" Regrant the resource with the State and User data that are reflected in the appropriate CepleGrt fields. The current value of the Record data may not be changed via the regrant function and, as such, the value of the CepleGRData field is ignored when this option is specified. If this field is set and this entry does NOT represent an owned resource (i.e. CepleOwned = OFF), this entry will be ignored.
86	(56)	CHARACTER	2		Reserved
88	(58)	CHARACTER	200	CEPLEHELDREQ (0)	Held/Requested Info
88	(58)	CHARACTER	68	CEPLEHELD (0)	Ownership information. The ownership information is only valid if this entry represents an owned resource as indicated by the CepleOwned flag being ON
88	(58)	SIGNED	1	CEPLEHSTATE	Output field indicating the State in which the connector whose interest is reflected by this entry currently owns the specified resource. Valid values for this field are provided via constants in the IXLYCON macro in the form of IXLSTATE....
89	(59)	CHARACTER	64	CEPLEHUDATA	Output field indicating the User data associated with the owned resource
153	(99)	CHARACTER	3		Reserved
156	(9C)	CHARACTER	132	CEPLERREQ (0)	Pending Request information
156	(9C)	SIGNED	1	CEPLERSTATE	Output field indicating the State in which the connector whose interest is reflected by this entry desires to own the specified resource. Valid values for this field are provided via constants in the IXLYCON macro in the form of IXLSTATExxxx. If this entry does not represent a pending request (CeplePending=OFF) this area will be initialized to the value of CepleHState.
157	(9D)	CHARACTER	64	CEPLERUDATA	Output field indicating the User Data value in which the connector whose interest is reflected by this entry desires to have associated with the specified resource. If this entry does not represent a pending request (CeplePending=OFF) this area will be initialized to the value of CepleHUData.
221	(DD)	CHARACTER	3		Reserved
224	(E0)	CHARACTER	64	CEPLERRDATA	Output area indicating the value that was specified via the RDATAVAL field on the pending IXLLOCK request. If this entry does not represent a pending request (CeplePending=OFF) or it represents an IXLLOCK request for which an RDATAVAL specification is not valid then this area will be initialized to zero.
288	(120)	CHARACTER	132	CEPLEGRT (0)	Grant/ReGrant input area When CepleGrant=ON or CepleReGrant=ON indicates State and Udata values in which to Grant/Regrant the request. This field will be initialized to CepleReq in all invocations of the Contention exit with the following exception: (1) On a response from Notify exits, the CepleGrt field will have the same contents as on the previous invocation of the Contention Exit. That is, within any instance of a contention exit communicating with the Notify Exit, the CepleGrt field will persist
288	(120)	SIGNED	1	CEPLEGSTATE	Granted ownership state, Constants in IXLYCON
289	(121)	CHARACTER	64	CEPLEGUDATA	Granted user data
353	(161)	CHARACTER	3		Reserved
356	(164)	CHARACTER	64	CEPLEGRDATA	Granted Record Data
356	(164)	X'1A4'	0	CEPLENT_LEN	""-CEPLENT"

IXLYCEPL Cross Reference

Name	Hex Offset	Hex Value
CEPL	0	
CEPL_LEN	54	58
CEPLCONDATA	10	
CEPLCONTOKEN	0	
CEPLEACTIONFLAGS		
	55	
CEPLECONID	D	
CEPLECONNAME	14	
CEPLECONVERSION		
	4	
CEPLEDENY	55	40
CEPLEFLAGS	54	
CEPLEGRANT	55	80
CEPLEGRDATA	164	
CEPLEGRT	120	
CEPLEGSTATE	120	
CEPLEGUDATA	121	
CEPLEHELD	58	
CEPLEHELDREQ	58	
CEPLEHSTATE	58	
CEPLEHUDATA	59	
CEPLENEXT	0	
CEPLENOTIFY	55	10
CEPLENT	0	
CEPLENT_LEN	164	1A4
CEPLENT#	50	
CEPLENT@	4C	
CEPLEOWNED	54	80
CEPLEPENDING	54	40
CEPLEREGRANT	55	20
CEPLERREQ	9C	
CEPLERRDATA	E0	
CEPLERSTATE	9C	
CEPLERUDATA	9D	
CEPLESTATUSFLAGS		
	54	
CEPLEWORK	34	
CEPLFLAGS	48	
CEPLGRANTFAILED		
	48	20
CEPLHASHVAL	20	
CEPLMISCFLAGS		
	49	
CEPLNEW#	4A	
CEPLNEW@	44	
CEPLNOTIFYRESPONSE		
	48	40
CEPLREASONFLAGS		
	48	
CEPLREBUILD	49	80
CEPLREBUILDORIG		
	49	40
CEPLRECOVERY	48	80
CEPLRESTARTAFTERDEFER		
	48	10
CEPLRETCODE	54	
CEPLRNAME@	18	
CEPLRNAMELEN	1C	
CEPLWORK	24	

IXLYCFSE Information

IXLYCFSE Programming Interface information

Programming Interface information

IXLYCFSE

End of Programming Interface information

IXLYCFSE Heading Information • IXLYCFSE Map

IXLYCFSE Heading Information

Common Name: Coupling Facility Sender Event Notification Parameter List
Macro ID: IXLYCFSE
DSECT Name: IXLYCFSE
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: CFSE
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: DREF SQA
 Key: 0
Size: IXLYCFSE -- X'0040' bytes
Created by: IXLE1SCH
Pointed to by: On entry to the ENF listen exit, register 1 points to a word which contains the address of the IXLYCFSE data area
Serialization: Serialized by the ENF component
Function: Mapping of parameter list passed to routines listening for ENF44 to communicate XES device changes

IXLYCFSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLYCFSE	, XES Event Notification Parameter List
0	(0)	CHARACTER	4	IXLYCFSEACRONYM	Eyecatcher C'ENF '
4	(4)	CHARACTER	5	IXLYCFSECOMPONENT	Component acronym
9	(9)	CHARACTER	3		Unused
12	(C)	CHARACTER	4		Unused
16	(10)	CHARACTER	4	IXLYCFSETYPE	Type of change that occurred to the device
20	(14)	SIGNED	2	IXLYCFSESUBCHANNEL	Subchannel number
22	(16)	SIGNED	2	IXLYCFSEDEVC	Device number
24	(18)	CHARACTER	40		Unused
Comment					
TYPE codes					
End of Comment					
24	(18)	X'D7C940'	0	IXLYCFSETYPEIPI	"C'IPI '"
24	(18)	X'D7D440'	0	IXLYCFSETYPEIPM	"C'IPM '"
Comment					
Eyecatcher					
End of Comment					
24	(18)	X'C6E2C5'	0	IXLYCFSEEEYECATCHER	"C'CFSE" Eyecatcher
24	(18)	X'40'	0	IXLYCFSE_LEN	""-IXLYCFSE"

IXLYCFSE Cross Reference

Name	Hex Offset	Hex Value
IXLYCFSE	0	
IXLYCFSE_LEN	18	40
IXLYCFSEACRONYM	0	
IXLYCFSECOMPONENT	4	
IXLYCFSEDEVC	16	
IXLYCFSEEYECATCHER	18	C6E2C5
IXLYCFSESUBCHANNEL	14	
IXLYCFSETYPE	10	
IXLYCFSETYPEIPI	18	D7C940
IXLYCFSETYPEIPM	18	D7D440

IXLYCMPL Information

IXLYCMPL Programming Interface information

Programming Interface information

IXLYCMPL

End of Programming Interface information

IXLYCMPL Heading Information • IXLYCMPL Map

IXLYCMPL Heading Information

Common Name: Complete Exit Parameter List
Macro ID: IXLYCMPL
DSECT Name: CMPL CMPLLCSECTION CMPLLOCKSECTION
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 205
 Key: Key 0
 Residency: Above 16 MB in virtual storage.
Size: 248 (X'00F8') bytes for Lock, 96 (x'0060') bytes for List
 CMPL -- X'0040' bytes
 CMPLLCSECTION -- X'0020' bytes
 CMPLLOCKSECTION -- x'00B8' bytes
Created by: IXLRQCMP for locking requests
 IXLRQLCX for serialized list requests
Pointed to by: First word in parameter list provided to complete exit.
Serialization: None required
Function: Maps parameter list to the Complete Exit interface to
 XES connected users.

IXLYCMPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMPL	Complete exit parameter list
0	(0)	CHARACTER	16	CMPLCONTOKEN	Connect token
16	(10)	CHARACTER	8	CMPLCONDATA	Connect-time data
24	(18)	CHARACTER	16	CMPLCONNAME	Connect name as specified by connector
40	(28)	BITSTRING	1	CMPLTYPE (0)	Request type that resulted in complete exit being called
		1...		CMPLLOCK	"X'80" IXLLOCK request or contention exit specified regrant
		.1..		CMPLLIST	"X'40" IXLLIST request
		..1.		CMPLCACHE	"X'20" IXLCACHE request
41	(29)	BITSTRING	1	CMPLFLAGS (0)	Flags
		1...		CMPLREBUILD	"X'80" On => Event reported for new structure during the rebuild process. Off => structure not in rebuild, or event reported for the original structure during rebuild.
42	(2A)	CHARACTER	2		Reserved
44	(2C)	SIGNED	4	CMPLRETCODE	Return code. Values are defined in IXLYCON.
48	(30)	SIGNED	4	CMPLRSNCODE	Reason code. Values are defined in IXLYCON.
52	(34)	CHARACTER	12		Reserved
64	(40)	CHARACTER	1	CMPLEND (0)	Data related to the request is mapped below by CmplLockSection for lock structure requests and CmplLCSection for list and cache structure requests
64	(40)	X'40'	0	CMPL_LEN	"*-CMPL"

Comment

 Cmpl Lock Section

End of Comment

64	(40)	BITSTRING	1	CMPLLOCKSECTION (0)	
64	(40)	CHARACTER	8	CMPLLOCKDATA	Lock time data. This value may be specified via the LOCKDATA keyword on an IXLLOCK request to obtain a resource. If specified, the value will be returned for completion of that event, as well as, for the completion of any subsequent (i.e. Alters, Releases, Regrant) updates to the resource
72	(48)	ADDRESS	4	CMPLRNAME@	Address of resource name
76	(4C)	SIGNED	4	CMPLRNAMELEN	Length of resource name
80	(50)	SIGNED	4	CMPLHASHVAL	Hash value
84	(54)	BITSTRING	1	CMPLRNAME@	Type of Event that is being reported (See IXLSERV... constants in macro IXLYCON for valid values)
85	(55)	BITSTRING	1	CMPLRDATAINFO (0)	Flags providing information regarding the record data options specified on the original requests, as well as, an indicator of which related record data fields are valid for this request type
		1...		CMPLNORDATA	"X'80" Bit Indicating that no record data operation was requested. This bit will be ON when reporting completion of an IXLLOCK REQUEST(OBTAIN) RDATA(NORDATA),IXLLOCK REQUEST(ALTER) RDATA(UNCHANGED), or a Regrant by the contention exit in which record data updates are not allowed
		.1..		CMPLRDATAWRITE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1.		CMPLRDATADELETE	"X'40" Bit indicating that a record data entry was requested to be created or updated. This bit will be ON when reporting completion of an IXLLOCK REQUEST(OBTAIN) RDATA(WRITE) or REQUEST(ALTER) RDATA(WRITE). The contents of the CmplRdata, CmplRtEntryId, and CmplRtEntryCount fields are valid when this field is set to ON
		...1		CMPLRDATAKEEP	"X'20" Bit indicating that a record data entry was requested to be deleted. This bit will be ON when reporting completion of an IXLLOCK REQUEST(ALTER) RDATA(DELETE) or REQUEST(RELEASE) RDATA(DELETE)
		.... 1...		CMPLRDATAKEEPANDUPDATE	"X'10" Bit indicating that a record data entry was requested to be kept. This bit will be ON when reporting completion of an IXLLOCK REQUEST(RELEASE) RDATA(KEEP) UPDATERDATA(NO)
		.... .1..		CMPLRDATAAREACQUIRE	"X'08" Bit indicating that a record data entry was requested to be kept and updated. This bit will be ON when reporting completion of an IXLLOCK REQUEST(RELEASE) RDATA(KEEP) UPDATERDATA(YES). The content of the CmplRdata field is valid when this field is set to ON
		.... ..1.		CMPLRDATAAREACQUIREANDUPDATE	"X'04" Bit indicating that a record data entry was requested to be Reacquired. This bit will be ON when reporting completion of an IXLLOCK REQUEST(OBTAIN) RDATA(REACQUIRE) UPDATERDATA(NO)
					"X'02" Bit indicating that a record data entry was requested to be Reacquired and Updated. This bit will be ON when reporting completion of an IXLLOCK REQUEST(OBTAIN) RDATA(REACQUIRE) UPDATERDATA(YES). The content of the CmplRdata field is valid when this field is set to ON
86	(56)	BITSTRING	1	CMPLLOCKFLAGS (0)	Miscellaneous Flags
		1...		CMPLREQHADCONTENTION	"X'80" On - request encountered either real or false contention. Real contention encountered when CmplFalseContention is Off. False contention encountered when CmplFalseContention is also On.
		.1..		CMPLFALSECONTENTION	"X'40" On - request encountered false contention. Off - request did not encounter false contention. Only meaningful when CmplReqHadContention is also On.
87	(57)	CHARACTER	65	CMPLSU (0)	State, userdata
87	(57)	BITSTRING	1	CMPLSTATE	Ownership state when return code implies a successful update. Otherwise, requested state.
88	(58)	CHARACTER	64	CMPLUDATA	Userdata associated with the owned resource when the return code implies a successful update. Otherwise, this field contains the requested userdata including any updates made by the contention exit
152	(98)	CHARACTER	64	CMPLRDATA	Value that was written to a Coupling Facility record data entry when return code indicates a successful request. Otherwise, this field contains the value requested on the IXLLOCK request plus any updates made by the contention exit. Please note, the Content of this field is only valid if one of the following bits is ON: CmplRdataWrite, CmplRdataReacquireAndUpdate CmplRdataKeepAndUpdate
216	(D8)	CHARACTER	12	CMPLRTEXTENTRYID	Record Data Entry Identifier of the record data entry that was created or updated when return code indicates a successful request. This field is only valid if the CmplRdataWrite bit is ON
228	(E4)	SIGNED	4	CMPLRTEXTENTRYCOUNT	Indicates the number of record table elements that are currently in use for this Lock Structure when return code indicates a successful update. This field is only valid if the CmplRdataWrite bit is ON
232	(E8)	CHARACTER	16		Reserved
232	(E8)	X'B8'	0	CMPLLOCKSECTION_LEN	** -CMPLLOCKSECTION"

Comment

Cmpl List/Cache Section

End of Comment

64	(40)	BITSTRING	1	CMPLLOCKSECTION (0)	
64	(40)	CHARACTER	8	CMPLREQDATA	Request-time user data
72	(48)	CHARACTER	8	CMPLANSAREAINFO (0)	
72	(48)	SIGNED	4	CMPLANSAREAALLET	

IXLYCMPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
76	(4C)	ADDRESS	4	CMPLANSAREA@	Answer area ALET for this request
80	(50)	CHARACTER	16		Answer area address for this request
80	(50)	X'60'	0	CMPLLCLEN	Reserved
80	(50)	X'F8'	0	CMPLLOCKLEN	"96"
80	(50)	X'20'	0	CMPLLCSECTION_LEN	"248"
					**_CMPLLCSECTION"

IXLYCMPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMPL	0		CMPLSU	57	
CMPL_LEN	40	40	CMPLTYPE	28	
CMPLANSAREA@	4C		CMPLUDATA	58	
CMPLANSAREALET					
	48				
CMPLANSAREAINFO					
	48				
CMPLCACHE	28	20			
CMPLCONDATA	10				
CMPLCONNAME	18				
CMPLCONTOKEN	0				
CMPLEND	40				
CMPEVENT	54				
CMPLFALSECONTENTION					
	56	40			
CMPLFLAGS	29				
CMPLHASHVAL	50				
CMPLLCLEN	50	60			
CMPLLCSECTION					
	40				
CMPLLCSECTION_LEN					
	50	20			
CMPLLIST	28	40			
CMPLLOCK	28	80			
CMPLLOCKDATA	40				
CMPLLOCKFLAGS					
	56				
CMPLLOCKLEN	50	F8			
CMPLLOCKSECTION					
	40				
CMPLLOCKSECTION_LEN					
	E8	B8			
CMPLNORDATA	55	80			
CMPLRDATA	98				
CMPLRDATADELETE					
	55	20			
CMPLRDATAINFO					
	55				
CMPLRDATAKEEP					
	55	10			
CMPLRDATAKEEPANDUPDATE					
	55	8			
CMPLRDATAAREACQUIRE					
	55	4			
CMPLRDATAAREACQUIREANDUPDATE					
	55	2			
CMPLRDATAWRITE					
	55	40			
CMPLREBUILD	29	80			
CMPLREQDATA	40				
CMPLREQHADCONTENTION					
	56	80			
CMPLRETCODE	2C				
CMPLRNAME@	48				
CMPLRNAMELEN	4C				
CMPLRSNCODE	30				
CMPLRTENTRYCOUNT					
	E4				
CMPLRTENTRYID					
	D8				
CMPLSTATE	57				

IXLYCOMP Information

IXLYCOMP Programming Interface information

Programming Interface information

IXLYCOMP

End of Programming Interface information

IXLYCOMP Heading Information • IXLYCOMP Map

IXLYCOMP Heading Information

Common Name: CF Dumping Compdata Record Format Mappings
Macro ID: IXLYCOMP
DSECT Name: CompdataName CompIndex CompStrTrl CompStrHdr CompStrObjMapIndex CompStrObjMap CompHashTableHdr CompHashTableCompHashElem CompEntryCntl
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size: COMPDATANAME -- X'0008' bytes
 COMPINDEX -- X'0100' bytes
 COMPSTRTRL -- X'1000' bytes
 COMPSTRHDR -- X'0008' bytes
 COMPSTROBJMAPINDEX -- X'005C' bytes
 COMPSTROBJMAP -- X'0018' bytes
 COMPHASHTABLEHDR -- X'0008' bytes
 COMPHASHSLOTARRAY -- X'0004' bytes
 COMPHASHELEM -- X'0018' bytes
 COMPENTRYCNTL -- X'0018' bytes
Created by: User
Pointed to by: User
Serialization: None Required
Function: This macro is used to map the dump of CF structure data written to and accessed from the dump dataset. The dump dataset is organized into several compdata spaces. Each compdata space contains a specific type of data.
 NOTE: All of the records in the compdata spaces start at address hex 1000. The first page of all compdata spaces are not used
 NOTE: To interpret the dump reason code, include the IXLYSTRC mapping in your program.

IXLYCOMP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPDATANAME	
0	(0)	CHARACTER	3	COMPDATANAMECOMPONENT	Indicates the component prefix
3	(3)	CHARACTER	2	COMPDATASPACE	Nth compdata space of a specific type. The first compdata space should be numbered 00.
5	(5)	CHARACTER	2	COMPDATANAMESTRNUM	Nth structure dumped
7	(7)	CHARACTER	1	COMPDATANAMETYPE	Type of compdata record
7	(7)	X'8'	0	KCOMPDATANAME_LEN	"8" Length of CompDataName
Comment					
Constants defined for use in the Compdata name					
End of Comment					
7	(7)	X'C3C6C4'	0	COMPDATACOMPONENT	"C'CFD'" Used to fill in the component section of the compdata name
7	(7)	X'E2'	0	COMPDATATYPESTR	"C'S'" Structure type compdata
7	(7)	X'C6C4F0'	0	COMPDATATYPEINDEX_0TO3	"C'CFD0'" This is the first 4-byte segment of an 8-byte constant. Name of the master index in the dump
7	(7)	X'F0F0C9'	0	COMPDATATYPEINDEX_4TO7	"C'0001'" This is the second 4-byte segment of an 8-byte constant. Name of the master index in the dump
7	(7)	X'D6'	0	COMPDATATYPEOBJ	"C'O'" Object header type compdata
7	(7)	X'C8'	0	COMPDATATYPEHASH	"C'H'" Hash table type compdata
7	(7)	X'C3'	0	COMPDATATYPEENTRYCNTL	"C'C'" Entry control information type compdata
7	(7)	X'C4'	0	COMPDATATYPEENTRYDATA	"C'D'" Entry data type compdata
7	(7)	X'C1'	0	COMPDATATYPEADJ	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
7	(7)	X'D3'	0	COMPDATATYPELOCK	"C'A" Adjunct data type compdata
7	(7)	X'E4'	0	COMPDATATYPEUSER	"C'L' Lock table type compdata "
7	(7)	X'C5'	0	COMPDATATYPEEMC	"C'U" User control type compdata
7	(7)	X'D8'	0	COMPDATATYPEEVENTQ	"C'E" Event monitor control type compdata
7	(7)	X'8'	0	COMPDATANAME_LEN	"C'Q" Event queue control type compdata
					**_COMPDATANAME"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPINDEX	There will be one CompIndex type entry in the master index compdata space for every structure in the dump
0	(0)	CHARACTER	16	COMPINDEXSTRNAME	Name of the structure
16	(10)	SIGNED	2	COMPINDEXSTRDUMPID	Structure Dump ID
18	(12)	CHARACTER	2		Reserved
20	(14)	CHARACTER	16	COMPINDEXCONNAME	Conname used in requesting the dump
36	(24)	BITSTRING	1	COMPINDEXSTRTYPE	Structure type
37	(25)	BITSTRING	1	COMPINDEXUIDL	User identifier limit (UIDL) used to determine the size of the list number controls for a list structure. This field will be 0 for a cache structure
38	(26)	CHARACTER	2	COMPINDEXSTR#EBCDIC (0)	Structure number in EBCDIC
38	(26)	CHARACTER	2	COMPINDEXSTRNUMEBCDIC	Structure number in EBCDIC
40	(28)	CHARACTER	32	COMPINDEXHDWND	Node element descriptor
72	(48)	SIGNED	4	COMPINDEXLOCKTBLENTLEN	Length of the lock table entries associated with this structure
76	(4C)	ADDRESS	4	COMPINDEXSTRTRLPTR	Pointer to the structure trailer associated with this structure
80	(50)	SIGNED	4	COMPINDEXNODUMPRSN	Reason why the structure was not dumped - the no dump reason codes are defined in the IXLYSTRC mapping
84	(54)	BITSTRING	1	COMPINDEXFLAGS (0)	Master index flags
		1...		COMPINDEXLASTSTR	"X'80" Indicates that this is the last entry in the master index
		.1.		COMPINDEXCONNOTFOUND	"X'40" Indicates that the conname or contoken specified for a cache structure was not found in the policy
		..1.		COMPINDEXSTRINREBLD	"X'20" Indicates that the the structure is in the process of rebuild
		...1		COMPINDEXREBLDOLDSTR	"X'10" Indicates that the structure information pertains to the OLD structure NOTE: Bit is only valid if the CompIndexStrInReblD bit is set
		.... 1...		COMPINDEXREBLDNEWSTR	"X'08" Indicates that the structure information pertains to the NEW structure NOTE: Bit is only valid if the CompIndexStrInReblD bit is set
		.... .1..		COMPINDEXREBLDDUPLEXSTR	"X'04" ON indicates the structure rebuild is a duplexing rebuild. OFF indicates the structure rebuild is a normal rebuild. NOTE: Bit is only valid if the CompIndexStrInReblD bit is set
		.... ..1.		COMPINDEXREBLDMETHODSTR	"X'02" ON indicates the structure rebuild is system managed. OFF indicates the structure rebuild is user managed. NOTE: Bit is only valid if the CompIndexStrInReblD bit is set
85	(55)	CHARACTER	1		Reserved
86	(56)	SIGNED	2	COMPINDEXCONID	Connection ID
88	(58)	CHARACTER	8	COMPINDEXCFNAME	Facility name
96	(60)	CHARACTER	32	COMPINDEXINCIDENTTOKEN	

IXLYCOMP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
128	(80)	SIGNED	4	COMPINDEXCFLEVEL	Incident Token
132	(84)	CHARACTER	124		Coupling facility operational level of the facility in which the structure is allocated
132	(84)	X'100'	0	KCOMPINDEX_LEN	Reserved
132	(84)	X'100'	0	COMPINDEX_LEN	"256" Length of CompIndex
					"*-COMPINDEX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPSTRTRL	There will be a structure trailer for each structure that is dumped (unless the dump dataset fills or an I/O error occurs while the structure is being dumped)
0	(0)	SIGNED	4	COMPSTRTRLDUMPRSN	Reason for an incomplete dump of the structure - the dump reason codes are defined in the IXLYSTRC mapping
4	(4)	SIGNED	4	COMPSTRTRRLOBJIDINCOMPLETE	Object identifier of object that is incomplete
8	(8)	SIGNED	2	COMPSTRTRRLDOTINCOMPLETE	Dumping object type of object that is incomplete
10	(A)	BITSTRING	1	COMPSTRTRLFLAGS (0)	Structure trailer flags
		1...		COMPSTRTRLLOCKDUMPED	"X'80" Indicates that some lock table entries were dumped for this structure
		.1..		COMPSTRTRLUSERDUMPED	"X'40" Indicates that some user controls were dumped for this structure
11	(B)	CHARACTER	21		Reserved
11	(B)	X'1000'	0	KCOMPSTRTRL_LEN	"4096" Length of CompStrTrl
4096	(1000)	X'1000'	0	COMPSTRTRL_LEN	"*-COMPSTRTRL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPSTRHDR	Header for the structure compdata space. There will be a header in each structure compdata space for a structure
0	(0)	ADDRESS	4	COMPSTRHDRDUMPHDR@ (0)	Pointer to the dump header for a given structure
0	(0)	ADDRESS	4	COMPSTRHDRDUMPHDRPTR	Pointer to the dump header for a given structure
4	(4)	ADDRESS	4	COMPSTRHROBJMAPINDEX@ (0)	Pointer to the object map index within the structure compdata space.
4	(4)	ADDRESS	4	COMPSTRHROBJMAPINDEXPTR	Pointer to the object map index within the structure compdata space.
4	(4)	X'8'	0	KCOMPSTRHDR_LEN	"8" Length of CompStrHdr
4	(4)	X'8'	0	COMPSTRHDR_LEN	"*-COMPSTRHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPSTROBJMAPINDEX	Index by object type in the object map.
0	(0)	CHARACTER	16	COMPSTROBJMAPIDXLISTINFO (0)	Information associated with list object map entries
0	(0)	ADDRESS	4	COMPSTROBJMAPIDXTYPELIST@ (0)	Pointer to the beginning of the listnum type object map entries within the structure compdata space.
0	(0)	ADDRESS	4	COMPSTROBJMAPIDXTYPELISTPTR	Pointer to the beginning of the listnum type object map entries within the structure compdata space.
4	(4)	SIGNED	4	COMPSTROBJMAPIDXLISTMINOBJID	Minimum object identifier of the listnum object map entries

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	SIGNED	4	COMPSTROBJMAPIDXLSTMAXOBJID	Maximum object identifier of the listnum object map entries
12	(C)	SIGNED	4	COMPSTROBJMAPIDXTOTALNUMLST	Total number of list number object map entries in this compdata space
16	(10)	CHARACTER	16	COMPSTROBJMAPIDXSTGCINFO (0)	Information associated with the storage class object map entries
16	(10)	ADDRESS	4	COMPSTROBJMAPIDXTYPESTGCLASS@ (0)	Pointer to the beginning of the storage class type object map entries
16	(10)	ADDRESS	4	COMPSTROBJMAPIDXTYPESTGCLASSPTR	Pointer to the beginning of the storage class type object map entries
20	(14)	SIGNED	4	COMPSTROBJMAPIDXSTGCMINOBJID	Minimum object identifier of the storage class object map entries
24	(18)	SIGNED	4	COMPSTROBJMAPIDXSTGCMAXOBJID	Maximum object identifier of the storage class object map entries
28	(1C)	SIGNED	4	COMPSTROBJMAPIDXTOTALNUMSTG	Total number of Storage class object map entries in this compdata space
32	(20)	CHARACTER	16	COMPSTROBJMAPIDXCOCINFO (0)	Information associated with the castout class object map entries
32	(20)	ADDRESS	4	COMPSTROBJMAPIDXTYPECOCCLASS@ (0)	Pointer to the beginning of the castout class type object map entries
32	(20)	ADDRESS	4	COMPSTROBJMAPIDXTYPECOCCLASSPTR	Pointer to the beginning of the castout class type object map entries
36	(24)	SIGNED	4	COMPSTROBJMAPIDXCOCMINOBJID	Minimum object identifier of the castout class object map entries
40	(28)	SIGNED	4	COMPSTROBJMAPIDXCOCMAXOBJID	Maximum object identifier of the castout class object map entries
44	(2C)	SIGNED	4	COMPSTROBJMAPIDXTOTALNUMCOC	Total number of castout class object map entries in this compdata space
48	(30)	ADDRESS	4	COMPSTROBJMAPIDXTYPELOCKTBL@ (0)	Pointer to the lock table type object map entries
48	(30)	ADDRESS	4	COMPSTROBJMAPIDXTYPELOCKTBLPTR	Pointer to the lock table type object map entries
52	(34)	ADDRESS	4	COMPSTROBJMAPIDXTYPEUSER@ (0)	Pointer to the user control type object map entries
52	(34)	ADDRESS	4	COMPSTROBJMAPIDXTYPEUSERPTR	Pointer to the user control type object map entries
56	(38)	CHARACTER	16	COMPSTROBJMAPIDXEVENTQINFO (0)	Information associated with event queue control object map entries
56	(38)	ADDRESS	4	COMPSTROBJMAPIDXTYPEEVENTQ@ (0)	Pointer to the beginning of the event queue control type object map entries within the structure compdata space.
56	(38)	ADDRESS	4	COMPSTROBJMAPIDXTYPEEVENTQPTR	Pointer to the beginning of the event queue control type object map entries within the structure compdata space.
60	(3C)	SIGNED	4	COMPSTROBJMAPIDXEVENTQMINOBJID	Minimum object identifier of the event queue control object map entries
64	(40)	SIGNED	4	COMPSTROBJMAPIDXEVENTQMAXOBJID	Maximum object identifier of the event queue control object map entries
68	(44)	SIGNED	4	COMPSTROBJMAPIDXTOTALNUMEVENTQ	Total number of event queue control object map entries in this compdata space
72	(48)	CHARACTER	20	COMPSTROBJMAPIDXEMCINFO (0)	Information associated with event monitor control object map entries
72	(48)	ADDRESS	4	COMPSTROBJMAPIDXTYPEEMC@ (0)	Pointer to the beginning of the event monitor control type object map entries within the structure compdata space.
72	(48)	ADDRESS	4	COMPSTROBJMAPIDXTYPEEMCPTR	Pointer to the beginning of the event monitor control type object map entries within the structure compdata space.
76	(4C)	CHARACTER	2	COMPSTROBJMAPIDXTYPEEMCNUM	Compdata space number of the pointer to the beginning of the event monitor control type object map entries within the structure compdata space.
78	(4E)	CHARACTER	2		Reserved
80	(50)	SIGNED	4	COMPSTROBJMAPIDXEEMCMINOBJID	Minimum object identifier of the event monitor control object map entries

IXLYCOMP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	SIGNED	4	COMPSTROBJMAPIDXEMCMAXOBJID	Maximum object identifier of the event monitor control object map entries
88	(58)	SIGNED	4	COMPSTROBJMAPIDXTOTALNUMEMEC	Total number of event monitor control object map entries in this compdata space
88	(58)	X'5C'	0	KCOMPSTROBJMAPINDEX_LEN	"92" Length of CompStrObjMapIndex
88	(58)	X'5C'	0	COMPSTROBJMAPINDEX_LEN	**-COMPSTROBJMAPINDEX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPSTROBJMAP	Object map contained in the structure compdata space
0	(0)	SIGNED	4	COMPSTROBJMAPOBJID	Object identifier
4	(4)	SIGNED	2	COMPSTROBJMAPOBJTYPE	Object type
6	(6)	BITSTRING	1	COMPSTROBJMAPFLAGS	(0)
		1...		COMPSTROBJMAPSUMMARY	Flag byte "X'80" Indicates whether the summary option was specified for the object, If so, there will be no entry control, adjunct, or entry data for the object.
		.1.		COMPSTROBJMAPENTRYDATAREQUESTED	"X'40" Indicates whether entry data was requested for the given object
		..1.		COMPSTROBJMAPADJREQUESTED	"X'20" Indicates whether adjunct was requested for the given object
		...1		COMPSTROBJMAPOBJDUMPED	"X'10" Indicates that this object has been dumped. Note that this bit will NEVER be set in the dump - it is used ONLY for internal processing in the dump writing phase.
7	(7)	CHARACTER	1		
8	(8)	ADDRESS	4	COMPSTROBJMAPOBJHDRPTR	Pointer to the object header into the object header compdata space
12	(C)	CHARACTER	2		
14	(E)	CHARACTER	2	COMPSTROBJMAPOBJHDRNUMBER	Number, in EBCDIC, which indicates which object header compdata space the pointer pertains to
16	(10)	CHARACTER	8		Reserved
16	(10)	X'18'	0	KCOMPSTROBJMAP_LEN	"24" Length of CompStrObjMap
16	(10)	X'18'	0	COMPSTROBJMAP_LEN	**-COMPSTROBJMAP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPHASHTABLEHDR	Mapping for the hash table header
0	(0)	SIGNED	4	COMPHASHTABLENUMSLOTS	Indicates the number of slots that are in the hash table
4	(4)	ADDRESS	4	COMPHASHTABLESLOTARRAY@	(0) Pointer to the hash table slot array
4	(4)	ADDRESS	4	COMPHASHTABLESLOTARRAYPTR	Pointer to the hash table slot array
4	(4)	X'8'	0	KCOMPHASHTABLEHDR_LEN	"8" Length of CompHashTableHdr
4	(4)	X'8'	0	COMPHASHTABLEHDR_LEN	**-COMPHASHTABLEHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	COMPHASHSLOTARRAY	Mapping for the hash table
0	(0)	CHARACTER	4	COMPHASHTABLESLOT	(0)
0	(0)	ADDRESS	4	COMPHASHTABLEELEM@	(0)

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	ADDRESS	4	COMPHASHTABLEEEMPTR	Pointer to the first element on the list for the given hash table entry within the compdata space	
0	(0)	X'4'	0	KCOMPHASHTABLESLOT_LEN	Pointer to the first element on the list for the given hash table entry within the compdata space	
0	(0)	X'4'	0	COMPHASHSLOTARRAY_LEN	"4" Length of CompHashTableSlot	
					**_COMPHASHSLOTARRAY"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	COMPHASHELEM	Mapping for a hash table element	
0	(0)	BITSTRING	1	COMPHASHELEMFLAGS		
		1...		COMPHASHELEMBYNAME	Flag byte	
		.1..		COMPHASHELEMBYID	"X'80" Indicates that the hash element contains the name of the element	
		..1.		COMPHASHELEMLAST	"X'40" Indicates that the hash element contains the ID of the element	
1	(1)	CHARACTER	1		"X'20" Indicates that the current hash table element is the last one on the list	
2	(2)	CHARACTER	2	COMPHASHENTRYCNTLNUMBER	Reserved	
					Number, in EBCDIC, which indicates which entry control compdata space the pointer pertains to	
4	(4)	CHARACTER	16	COMPHASHELEMNAME		
					(0)	
					If the hash element is by name, contains the name of the element	
4	(4)	CHARACTER	12	COMPHASHELEMID		
					IF the hash element is by ID, contains the ID of the element	
16	(10)	CHARACTER	4		Reserved	
20	(14)	ADDRESS	4	COMPHASHENTRYCNTLPTR		
					Pointer to the entry controls in the entry control compdata space	
20	(14)	X'18'	0	KCOMPHASHELEM_LEN		
					"24" Length of CompHashElem	
20	(14)	X'18'	0	COMPHASHELEM_LEN		
					**_COMPHASHELEM"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	COMPENTRYCNTL		
					Mapping of the information for one entry	
0	(0)	CHARACTER	24	COMPENTRYCNTLHDR		
					(0)	
0	(0)	ADDRESS	4	COMPENTRYCNTLENTRYDATAPTR		
					Pointer to the entry's entry data in the entry data compdata space	
4	(4)	BITSTRING	1	COMPENTRYCNTLFLAGS		
		1...		COMPENTRYCNTLENTRYDATASERIALIZED		
					"X'80" Indicates whether the entry data was dumped serialized. An ON setting indicates that the data was serialized	
		.1..		COMPENTRYCNTLADJSERIALIZED		
					"X'40" Indicates whether the adjunct data was dumped serialized. An ON setting indicates that the data was serialized	
		..1.		COMPENTRYCNTLONSCM		
					"X'20" Indicates whether the entry resides in coupling facility real storage or storage class memory. 0 => the entry represented by this entry control record resides in coupling facility real storage. 1 => the entry resides in coupling facility storage class memory. No entry control information, adjunct data or entry data is returned	
5	(5)	CHARACTER	1		Reserved	
6	(6)	CHARACTER	2	COMPENTRYCNTLENTRYDATANUMBER		
					Number, in EBCDIC, which indicates which entry data compdata space the pointer pertains to	
8	(8)	SIGNED	4	COMPENTRYCNTLENTRYDATALEN		
					Length of the entry data associated with this entry	
12	(C)	ADDRESS	4	COMPENTRYCNTLADJPTR		
					Pointer to the entry's adjunct data in the adjunct compdata space	
16	(10)	CHARACTER	2			

IXLYCOMP Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
18	(12)	CHARACTER	2	COMPENTRYCNTLADJNUMBER	Number, in EBCDIC, which indicates which adjunct compdata space the pointer pertains to
20	(14)	SIGNED	4	COMPENTRYCNTLPOSWTHINEKEY	Indicates the position of the entry within the entrykey it has
24	(18)	CHARACTER	1	COMPENTRYCNTLININFO (0)	Control information for the current entry NOTE : This field is mapped by the DDil mapping in the IXLYDDIB macro if the structure is a list structure. This field is mapped by the DDic mapping in the IXLYDDIB macro if the structure is a cache structure. To obtain the length of this use the appropriate mappings and length constant in IXLYDDIB.
24	(18)	X'18'	0	KCOMPENTRYCNTLHDR_LEN	"24" Length of CompEntryCntlHdr
24	(18)	X'18'	0	COMPENTRYCNTL_LEN	**COMPENTRYCNTL"

IXLYCOMP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
COMPDATACOMPONENT	7	C3C6C4	COMPENTRYCNTLENTYDATAPTR	0	
COMPDATANAME	0		COMPENTRYCNTLFLAGS	4	
COMPDATANAME_LEN	7	8	COMPENTRYCNTLHDR	0	
COMPDATANAMECOMPONENT	0		COMPENTRYCNTLINFO	18	
COMPDATANAMESTRNUM	5		COMPENTRYCNTLONSCM	4	20
COMPDATANAMETYPE	7		COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATASPACE	3		COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEADJ	7	C1	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEEMC	7	C5	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEENTRYCNTL	7	C3	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEENTRYDATA	7	C4	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEEVENTQ	7	D8	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEHASH	7	C8	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEINDEX_0TO3	7	C6C4F0	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEINDEX_4TO7	7	F0F0C9	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPELOCK	7	D3	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEOBJ	7	D6	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEPESTR	7	E2	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPDATATYPEUSER	7	E4	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTL	0		COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTL_LEN	18	18	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTLADJNUMBER	12		COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTLADJPTR	C		COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTLADJSERIALIZED	4	40	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTLEDATASERIALIZED	4	80	COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTLENTYDATALEN	8		COMPENTRYCNTLPOSWTHINEKEY	14	
COMPENTRYCNTLENTYDATANUMBER			COMPENTRYCNTLPOSWTHINEKEY	14	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
COMPINDEX	0		COMPSTROBJMAPIDXCOCMINOBJID		
COMPINDEX_LEN			24		
COMPINDEXCFLEVEL	84	100	COMPSTROBJMAPIDXEMCINFO	48	
COMPINDEXCFNAME	80		COMPSTROBJMAPIDXEMCMAXOBJID	54	
COMPINDEXCFID	58		COMPSTROBJMAPIDXEMCMINOBJID	50	
COMPINDEXCONID	56		COMPSTROBJMAPIXEVENTQINFO	38	
COMPINDEXCONNAME	14		COMPSTROBJMAPIXEVENTQMAXOBJID	40	
COMPINDEXCONNOTFOUND	54	40	COMPSTROBJMAPIXEVENTQMINOBJID	3C	
COMPINDEXFLAGS	54		COMPSTROBJMAPIXDLISTINFO	0	
COMPINDEXHDWIND	28		COMPSTROBJMAPIXDLISTMAXOBJID	8	
COMPINDEXINCIDENTTOKEN	60		COMPSTROBJMAPIXDLISTMINOBJID	4	
COMPINDEXLASTSTR	54	80	COMPSTROBJMAPIXSTGCINFO	10	
COMPINDEXLOCKTBLENTLEN	48		COMPSTROBJMAPIXSTGCMAXOBJID	18	
COMPINDEXNODUMPRSN	50		COMPSTROBJMAPIXSTGCMINOBJID	14	
COMPINDEXREBLDDUPLEXSTR	54	4	COMPSTROBJMAPIXTOTALNUMCOC	2C	
COMPINDEXREBLDMETHODSTR	54	2	COMPSTROBJMAPIXTOTALNUMEMC	58	
COMPINDEXREBLDNEWSTR	54	8	COMPSTROBJMAPIXTOTALNUMEVENTQ	44	
COMPINDEXREBLDOLDSTR	54	10	COMPSTROBJMAPIXTOTALNUMLST	C	
COMPINDEXSTR#EBCDIC	26		COMPSTROBJMAPIXTOTALNUMSTG	1C	
COMPINDEXSTRDUMPID	10		COMPSTROBJMAPIXTYPECOCLASS@	20	
COMPINDEXSTRINREBLD	54	20	COMPSTROBJMAPIXTYPECOCLASSPTR	20	
COMPINDEXSTRNAME	0		COMPSTROBJMAPIXTYPEEMC@	48	
COMPINDEXSTRNUMEBCDIC	26		COMPSTROBJMAPIXTYPEEMCNUM	4C	
COMPINDEXSTRTRLPTR	4C		COMPSTROBJMAPIXTYPEEMCPTR	48	
COMPINDEXSTRTYPE	24		COMPSTROBJMAPIXTYPEEVENTQ@	38	
COMPINDEXUIDL	25		COMPSTROBJMAPIXTYPEEVENTQPTR	38	
COMPSTRHDR	0		COMPSTROBJMAPIXTYPEPELIST@	0	
COMPSTRHDR_LEN	4	8	COMPSTROBJMAPIXTYPEPELISTPTR	0	
COMPSTRHDRDUMPHDR@	0		COMPSTROBJMAPIXTYPEPELOCKTBL@	30	
COMPSTRHDRDUMPHDRPTR	0		COMPSTROBJMAPIXTYPEPELOCKTBLPTR	30	
COMPSTRHDROBJMAPINDEX@	4		COMPSTROBJMAPIXTYPEPESTGCLASS@	10	
COMPSTRHDROBJMAPINDEXPTR	4		COMPSTROBJMAPIXTYPEPESTGCLASSPTR	10	
COMPSTROBJMAP	0		COMPSTROBJMAPIXTYPEPEUSER@	34	
COMPSTROBJMAP_LEN	10	18	COMPSTROBJMAPIXTYPEPEUSERPTR	34	
COMPSTROBJMAPADJREQUESTED	6	20	COMPSTROBJMAPINDEX	0	
COMPSTROBJMAPENTRYDATAREQUESTED	6	40	COMPSTROBJMAPINDEX_LEN	58	5C
COMPSTROBJMAPFLAGS	6		COMPSTROBJMAPOBJDUMPED	6	10
COMPSTROBJMAPIDXCOCINFO	20		COMPSTROBJMAPOBJHDRNUMBER	E	
COMPSTROBJMAPIDXCOCMAXOBJID	28				

IXLYCOMP Cross Reference

Name	Hex Offset	Hex Value
COMPSTROBJMAPOBJHDRPTR	8	
COMPSTROBJMAPOBJID	0	
COMPSTROBJMAPOBJTYPE	4	
COMPSTROBJMAPSUMMARY	6	80
COMPSTRTRL	0	
COMPSTRTRL_LEN	1000	1000
COMPSTRTRLDOTINCOMPLETE	8	
COMPSTRTRLDUMPRSN	0	
COMPSTRTRLFLAGS	A	
COMPSTRTRLLOCKDUMPED	A	80
COMPSTRTRRLOBJIDINCOMPLETE	4	
COMPSTRTRLUSERDUMPED	A	40
KCOMPDATANAME_LEN	7	8
KCOMPENTRYCNTLHDR_LEN	18	18
KCOMPHASHELEM_LEN	14	18
KCOMPHASHTABLEHDR_LEN	4	8
KCOMPHASHTABLESLOT_LEN	0	4
KCOMPINDEX_LEN	84	100
KCOMPSTRHDR_LEN	4	8
KCOMPSTROBJMAP_LEN	10	18
KCOMPSTROBJMAPINDEX_LEN	58	5C
KCOMPSTRTRL_LEN	B	1000

IXLYCON Information

IXLYCON Programming Interface information

Programming Interface information

IXLYCON

End of Programming Interface information

IXLYCON Heading Information • IXLYCON Map

IXLYCON Heading Information

Common Name: Constants for users of IXL services
Macro ID: IXLYCON
DSECT Name: IXLSDWACOMU
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Size: IXLSDWACOMU -- X'0008' bytes
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: Provides a list of constants for users of IXL services and exits.

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	IXLRETCODEOK	"0"
0	(0)	X'4'	0	IXLRETCODEWARNING	"4"
0	(0)	X'8'	0	IXLRETCODEPARMERROR	"8"
0	(0)	X'C'	0	IXLRETCODEENVERROR	"12"
0	(0)	X'10'	0	IXLRETCODECOMPERROR	"16" Component error

Comment

----- Constants for use with IXLCONN service -----
 IXLCONN MonitorStorage constants. Refer to IXLCONN
 for detailed usage description.

End of Comment

0	(0)	X'0'	0	IXLCONNMONITORSTORAGE	"0"
0	(0)	X'1'	0	IXLCONNMONITORSTORAGEYES	"1"
0	(0)	X'0'	0	IXLMONITORDEFAULT	"0"
0	(0)	X'1'	0	IXLMONITORCFREQRATE	"1"
0	(0)	X'2'	0	IXLMONITORIXLREBLD	"2"

Comment

----- Constants for use with IXLLOCK and IXLSYNCH services -----
 IXLLOCK SyncFailDelay constants. Refer to IXLLOCK
 for detailed usage description.

End of Comment

0	(0)	X'0'	0	IXLSYNCFAILDELAYFORLATCHNO	"0"
0	(0)	X'1'	0	IXLSYNCFAILDELAYFORLATCHYES	"1"

Comment

IXLLOCK CriticalRequest constants. Refer to IXLLOCK
 for detailed usage description.

End of Comment

0	(0)	X'0'	0	IXLLOCKCRITICALREQUESTNO	"0"
0	(0)	X'1'	0	IXLLOCKCRITICALREQUESTYES	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IXLLOCK Resource Ownership States					
					End of Comment
0	(0)	X'0'	0	IXLSTATEFREE	"0"
0	(0)	X'1'	0	IXLSTATESHARED	"1"
0	(0)	X'2'	0	IXLSTATEEXCLUSIVE	"2" IXLLOCK Events
0	(0)	X'1'	0	IXLSERVLOCK	"1"
0	(0)	X'2'	0	IXLSERVALTER	"2"
0	(0)	X'3'	0	IXLSERVUNLOCK	"3"
0	(0)	X'4'	0	IXLSERVREGRANT	"4"
					Comment
IXLLOCK and IXLSYNCH mode values. Refer to IXLLOCK and IXLSYNCH for detailed usage description.					
					End of Comment
0	(0)	X'0'	0	IXLMODESYNCEXIT	"0"
0	(0)	X'1'	0	IXLMODENORESPONSE	"1"
0	(0)	X'2'	0	IXLMODESYNCSUSPEND	"2"
0	(0)	X'3'	0	IXLMODESYNCFAIL	"3"
					Comment
IXLCSP SCMALGORITHM values. Refer to IXLCSP for detailed usage description.					
					End of Comment
0	(0)	X'1'	0	IXLALGORITHMKEYPRIORITY1	"1"
					Comment
Return Codes from the IXLVCTR service ----- For the ModifyVectorSize -----					
					End of Comment
0	(0)	X'0'	0	IXLRETCODEMODIFYDONE	"0"
0	(0)	X'4'	0	IXLRETCODELESSTHAN	"4"
0	(0)	X'8'	0	IXLRETCODENOSTORAGE	"8"
0	(0)	X'C'	0	IXLRETCODEINVALIDTKN	"12"
0	(0)	X'10'	0	IXLRETCODEINVALIDLEN	"16"
					Comment
----- For the TestListState -----					
					End of Comment
0	(0)	X'0'	0	IXLRETCODELSTEMPTY	"0"
0	(0)	X'4'	0	IXLRETCODELSTNONEMPTY	"4"
0	(0)	X'8'	0	IXLRETCODEINDXINVALID	"8"

IXLYCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
----- For the LTVECENRIES -----					
					End of Comment
0	(0)	X'0'	0	IXLRETCODEALLEMPVAL	"0"
0	(0)	X'4'	0	IXLRETCODESOMENEINV	"4"
					Comment
----- For the TestLocalCache -----					
					End of Comment
0	(0)	X'0'	0	IXLRETCODEBUFVALID	"0"
0	(0)	X'4'	0	IXLRETCODEBUFNOTVALID	"4"
					Comment
----- For the TestLocalCache -----					
					End of Comment
0	(0)	X'0'	0	IXLRETCODECONNECTED	"0"
0	(0)	X'4'	0	IXLRETCODENOTCONNECTED	"4"
					Comment

Reason Codes -- IxlRetCodeWarning					
(Note that the reason codes are of the form "xxxxYYYY" where					
"xxxx" is used to contain internal diagnostic information)					

					End of Comment
0	(0)	BITSTRING	0	IXLRSCODEOWNINGRESOURCES	"X'00000401" Disconnect while owning IXLOCK resources.
0	(0)	BITSTRING	0	IXLRSCODEEASYNCH	"X'00000402" Request will be completed asynchronously
					Comment
'00000403'X - reserved					
					End of Comment
0	(0)	BITSTRING	0	IXLRSCODEMOREDATA	"X'00000404" More data exists to be returned - buffer too small
					Comment
'00000405'X - reserved					
					End of Comment
0	(0)	BITSTRING	0	IXLRSCODENOMORERTES	"X'00000406" There are no more recording elements to be read
0	(0)	BITSTRING	0	IXLRSCODESPECIALCONN	"X'00000407" The connection was completed. Additional status information is provided about the structure and/or the connector in the CONA. CONAFLAG contains flags which indicate one or more of the following: connector has been reconnected, rebuild in progress, rebuild stop in progress, alter in progress, or a user sync point event is set.
0	(0)	BITSTRING	0	IXLRSCODERTENOTFOUND	"X'00000408" IXLSYNCH request to clear record structure element found no such entry allocated. The state and/or user data was updated as requested.
0	(0)	BITSTRING	0	IXLRSCODETIMEOUT	"X'00000409" IXLLIST, IXLCACHE, or IXLRT request to process multiple structure entries completed prematurely due to a model dependent timeout.
0	(0)	BITSTRING	0	IXLRSCODENOREADATA	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODEHIGHCOEND	"X'0000040A" IXLCACHE request to read entry data caused interest to be registered, but no data was cached or data existed but the read was suppressed hence no data was read. If the structure entry contained data and adjunct, and ADJAREA was specified, then adjunct was returned and the CaaAdjAreaValid bit in the ANSAREA was set to '1'. If adjunct data did not exist then the CaaAdjAreaValid bit was set to '0'.
0	(0)	BITSTRING	0	IXLRSCODENOADJUNCTDATA	"X'0000040B" IXLCACHE request to read cast-out class statistics specified an ending cast-out class range value that exceeded the defined number of classes for the structure. A subrange of classes through the maximum cast-out class was reported on.
0	(0)	BITSTRING	0	IXLRSCODEBADREADADJDATA	"X'0000040C" IXLCACHE request specified that adjunct data was to be retrieved for an entry, but the structure does not support adjunct data. Normal entry data was retrieved if requested.
0	(0)	BITSTRING	0	IXLRSCODELOCKNOTHELD	"X'0000040D" IXLLIST or IXLCACHE request specified that adjunct data was to be retrieved for an entry, but the provided virtual storage area for adjunct data is not addressable. If requested, normal entry data was retrieved.
0	(0)	BITSTRING	0	IXLRSCODEBUFFERFULL	"X'0000040E" IXLLIST request to determine if a structure lock is held by the invoking connection found that the lock is not held by this connection.
0	(0)	BITSTRING	0	IXLRSCODELOCKCOND	"X'0000040F" IXLLIST, IXLCACHE, or IXLRT request to process multiple structure entries completed prematurely due to a buffer full condition.
0	(0)	BITSTRING	0	IXLRSCODEEXITCOND	"X'00000410" An IXLLIST request that specified LOCKOPER=HELDBY, or specified LOCKMODE=COND, or specified a LOCKCOMP value, found the lock not currently held as required for successful command execution.
0	(0)	BITSTRING	0	IXLRSCODELOCKHELDBYSYS	"X'00000411" An IXLLIST request that specified LOCKMODE=EXIT could not obtain the latch as required for successful command execution
0	(0)	BITSTRING	0	IXLRSCODEREQNOTCOMP	"X'00000412" IXLLIST request to determine if a structure lock is held by the invoking connection found the lock was held by the system on behalf of this connection.
0	(0)	BITSTRING	0	IXLRSCODERCLVCTRNOTSET	"X'00000413" An IXLFCOMP request to test the status of an asynchronous request found that it had not yet completed.
0	(0)	BITSTRING	0	IXLRSCODEALREADYREBUILDING	"X'00000414" An IXLCACHE request to set the reclaim vector was not performed because either the structure size or the entry-to-element ratio is being changed via IXLALTER.
0	(0)	BITSTRING	0	IXLRSCODEALREADYSTOPPING	"X'00000415" The IXLREBLD START or STARTDUPLEX request is ignored because structure rebuild has already been initiated for the same structure name.
0	(0)	BITSTRING	0	IXLRSCODENOTLASTCONFIRMATION	"X'00000416" The IXLREBLD STOP or STOPDUPLEX request is ignored because stop processing was in progress for the same structure name.
0	(0)	BITSTRING	0	IXLRSCODENOELEMENTTOKEEP	"X'00000417" Confirmation processed, however, the next sync point was not set because not all confirmations had been received.
0	(0)	BITSTRING	0	IXLRSCODENOUPTDATEONKEEP	"X'00000418" User specified to keep Record element when releasing resource, but there is no element to keep.
0	(0)	BITSTRING	0	IXLRSCODEFORCECONNDELSTR	"X'00000419" User specified to update a record elements contents when specifying IXLLOCK, RELEASE but the update was unable to be made.
0	(0)	BITSTRING	0	IXLRSCODEFORCESTRDELCONNS	"X'0000041A" Force connection was successful but also resulted in the deallocation of the structure
0	(0)	BITSTRING	0	IXLRSCODEPENDING	"X'0000041B" Force structure was successful but also resulted in the deletion of failed-persistent connection(s).
0	(0)	BITSTRING	0	IXLRSCODEIGNOREFORREBUILDSTOP	"X'0000041C" Force request was accepted but could not be processed immediately. It will be processed when the condition preventing the request from being processed is resolved.
0	(0)	BITSTRING	0	IXLRSCODESYNCHRTNOTDELETED	"X'0000041D" The request is ignored because stop processing was in progress for structure rebuild.

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODENOLOCKSHELD	"X'0000041E" Resource released via IXLSYNCH. However record data element could not be deleted.
0	(0)	BITSTRING	0	IXLRSCODEUSYNCEVENTSET	"X'0000041F" An IXLLIST request specifying LOCKOPER=READNEXT found no locks held from the LOCKINDEX lock to the end of the lock table.
0	(0)	BITSTRING	0	IXLRSCODESTGCLASSERR	"X'00000420" The user event specified has already been set by a peer connection.
0	(0)	BITSTRING	0	IXLRSCODECOCLASSERR	"X'00000421" An IXLMG request to read storage class data could not return all requested data
0	(0)	BITSTRING	0	IXLRSCODESTRUCTUREERR	"X'00000422" An IXLMG request to read cast out class data could not return all requested data
0	(0)	BITSTRING	0	IXLRSCODENODELETEONRELEASE	"X'00000423" An IXLMG request to read structure data could not return the requested data
0	(0)	BITSTRING	0	IXLRSCODENOSTRFOUND	"X'00000424" User specified to delete a record element's contents when specifying IXLLOCK, RELEASE but the delete was unable to be made.
0	(0)	BITSTRING	0	IXLRSCODESTRUCTUREFAIL	"X'00000425" No structures eligible for structure rebuild were found in the specified coupling facility
0	(0)	BITSTRING	0	IXLRSCODEALREADYALTERING	"X'00000426" An IXLMG request to read structure data could not return the requested data, the structure is failed
0	(0)	BITSTRING	0	IXLRSCODEIGNOREFORSYMGDSTOP	"X'00000427" Request rejected because alter is in progress for the structure. A new alter request will not be accepted until current alter completes or is stopped.
0	(0)	BITSTRING	0	IXLRSCODEHALTCHANGEDDATA	"X'00000428" Response ignored because the system-managed process (e.g., rebuild) has been stopped.
0	(0)	BITSTRING	0	IXLRSCODELOCALREGWRTSUPPRESS	"X'0000042A" A DELETE_NAME or DELETE_NAMELIST request with HALTONCHANGED=YES specified was halted due to a structure entry being found to have changed data or having a cast-out lock held.
0	(0)	BITSTRING	0	IXLRSCODENOSCMDATA	"X'0000042C" For a WRITE_DATA request with WHENREG=NO, ASSIGN=NO, LOCALREGCNTL=YES and CHANGED=YES specified, the user's connection is the only registered interest in the directory entry for NAME in the cache structure, and no subsystem data for the directory entry is cached. The write operation is suppressed. No data was written for the data item.
0	(0)	BITSTRING	0	IXLRSCODEWARNINGCFLEVEL	"X'00000430" An IXLMG request to read structure storage-class memory information could not return the requested data. Structure storage-class memory records are not included in the returned data.
0	(0)	BITSTRING	0	IXLRSCODEWARNINGCFLEVEL	"X'00000431" Some request parameters are ignored because the target CF is not at a level that can process them

Comment

Sub-reason code constants for reason code 0431, IxLRsnCodeWarningCFlevel. The sub-reason code is returned as diagnostic data as documented by the applicable service.

End of Comment

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IXLYCON_KSCMWARNINGCFLEVEL

"X'00000001" A service referenced storage-class (flash) memory, but the CF does not support the use of SCM

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				

'000004A1'X - reserved, do not use					
'000004A2'X - reserved, do not use					
'000004A3'X - reserved, do not use					
'000004A4'X - reserved, do not use					
'000004A5'X - reserved, do not use					
'000004A6'X - reserved, do not use					

Reason Codes -- IxlRetCodeParmError					
(Note that the reason codes are of the form "xxxxYYYY" where					
"xxxx" is used to contain internal diagnostic information)					

End of Comment					
0	(0)	BITSTRING	0	IXLRSNCODEBADPARMLIST	"X'00000801" Parameter list could not be accessed
0	(0)	BITSTRING	0	IXLRSNCODEBADPARMLISTALET	"X'00000802" Parameter list ALET is either 1, on the PASN list, or is not valid
0	(0)	BITSTRING	0	IXLRSNCODERESERVEDNOT0	"X'00000803" Reserved field in parameter list is not 0
0	(0)	BITSTRING	0	IXLRSNCODEBADVERSION#	"X'00000804" Version number in parameter list is not valid
0	(0)	BITSTRING	0	IXLRSNCODEBADVERSIONNUM	"X'00000804" Version number in parameter list is not valid
0	(0)	BITSTRING	0	IXLRSNCODEBADTCB	"X'00000805" TCB for request is different than TCB from IXLCONN
0	(0)	BITSTRING	0	IXLRSNCODESRBMODE	"X'00000806" Caller is in SRB mode
0	(0)	BITSTRING	0	IXLRSNCODENOTENABLED	"X'00000807" Caller is not enabled
0	(0)	BITSTRING	0	IXLRSNCODEMASTERAS	"X'00000808" Request is not valid from the Master address space
0	(0)	BITSTRING	0	IXLRSNCODEPRIMARYNOTHOME	"X'00000809" Primary address space does not equal home address space
0	(0)	BITSTRING	0	IXLRSNCODEBADCONTOKEN	"X'0000080A" The requested service determined that the contoken provided as input was not valid. The contoken is not valid for one of the following reasons: disconnect has occurred, EOT of the connector's task, input contoken is not the contoken returned from IXLCONN, or request issued outside the connector's address space. Additionally, IXLLIST, IXLLOCK, IXLFCOMP, IXLCACHE, IXLRT, and IXLSYNCH will be rejected when the contoken has been invalidated during rebuild.
0	(0)	BITSTRING	0	IXLRSNCODEBADCONNAME	"X'0000080B" TConname or VerConName parameter is not valid
0	(0)	BITSTRING	0	IXLRSNCODEALREADYCALLED	"X'0000080C" IXLSYNCH has already been called from the notify exit
0	(0)	BITSTRING	0	IXLRSNCODEAREATOOSMALL	"X'0000080D" Provided area is not large enough, even for the header
0	(0)	BITSTRING	0	IXLRSNCODEBADAREA	"X'0000080E" Provided area cannot be accessed
0	(0)	BITSTRING	0	IXLRSNCODEBADAREALET	"X'0000080F" ALET of provided area is not usable
0	(0)	BITSTRING	0	IXLRSNCODERESOURCENOTFOUND	"X'00000810" Requested resource is not owned, not pending
0	(0)	BITSTRING	0	IXLRSNCODESYNCHBADSTATE	"X'00000811" Requested to IXLSYNCH to state other than Shared, Exclusive, or Free
0	(0)	BITSTRING	0	IXLRSNCODEALREADYOWNED	"X'00000812" Requested resource is already owned
0	(0)	BITSTRING	0	IXLRSNCODEALREADYPENDING	"X'00000813" Requested resource is already pending
0	(0)	BITSTRING	0	IXLRSNCODEBADSTATE	"X'00000814" Requested state is not free, shared, or exclusive
0	(0)	BITSTRING	0	IXLRSNCODEBADNEPL	"X'00000815" Input NEPL is not valid
0	(0)	BITSTRING	0	IXLRSNCODENORTEXISTS	"X'00000816" For an IXLLOCK or IXLRT request, no Record data exists
0	(0)	BITSTRING	0	IXLRSNCODEBADCONID	"X'00000817" An IXLLOCK request specified a Connection identifier that is not associated with the record data entry to be reacquired.
0	(0)	BITSTRING	0	IXLRSNCODENOTLOCKSTR	"X'00000818" The Connect token specified does not represent a lock structure.

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODEBADVECTOROP	"X'00000819" Local cache validity operation failed
0	(0)	BITSTRING	0	IXLRSCODENORTENTRY	"X'0000081A" Record data element specified was not found to be allocated
0	(0)	BITSTRING	0	IXLRSCODENOLENTRIES	"X'0000081B" Number of lock entries was zero on a request describing a lock structure with record data
0	(0)	BITSTRING	0	IXLRSCODENOLISTHDRS	"X'0000081C" Number of list headers specified on connect to a list structure must be greater than zero
0	(0)	BITSTRING	0	IXLRSCODEZEROLUSERS	"X'0000081D" Number of users specified on connect to a lock structure must be greater than zero
0	(0)	BITSTRING	0	IXLRSCODEBADCOLOCKSTATE	"X'0000081E" Change-bit overindication was specified for unlocking a castout lock on either an UNLOCK_CASTOUT request or an UNLOCK_CO_NAME request but the castout lock state indicates write with castout, which is incompatible
0	(0)	BITSTRING	0	IXLRSCODECONNAME	"X'0000081F" The ConName specified is not unique. There is an active connection to this structure with the specified name.
0	(0)	BITSTRING	0	IXLRSCODESTRTYPE	"X'00000820" The structure type specified does not match the type of the allocated structure, or the RNAMELEN attribute specified does not match that of the allocated structure
0	(0)	BITSTRING	0	IXLRSCODESTRSERIAL	"X'00000821" The serialization attribute for a list structure specified via the LOCKENTRIES keyword on connect does not match the currently allocated structure
0	(0)	BITSTRING	0	IXLRSCODEBADREADTYPE	"X'00000822" An IXLLIST READ_LIST or READ_MULT request specified that either entry or adjunct data was to be returned, but the list structure does not contain the requested component. No data is returned.
0	(0)	BITSTRING	0	IXLRSCODECONNAMEERR	"X'00000823" The CONNAME specified is not alphanumeric.
0	(0)	BITSTRING	0	IXLRSCODEWRONGSTRTYPE	"X'00000824" IXLLIST or IXLCACHE request specified for a structure type other than list or cache, respectively.
0	(0)	BITSTRING	0	IXLRSCODENOENTRY	"X'00000825" IXLLIST or IXLCACHE request designated a specific structure entry that does not exist, is not registered, or is not registered with the correct vector index number, or designated an event monitor controls object that does not exist.
0	(0)	BITSTRING	0	IXLRSCODEINCOMPATSTATE	"X'00000826" An IXLCACHE WRITE_DATA or a WRITE_DATALIST request failed because the state of the named data item is incompatible with the request.
0	(0)	BITSTRING	0	IXLRSCODECOLOCKHELD	"X'00000827" IXLCACHE request to cast-out structure data failed because the cast-out lock is already held.
0	(0)	BITSTRING	0	IXLRSCODECOUNCHANGED	"X'00000828" IXLCACHE request to cast-out structure data failed because either no data is cached or the data is unchanged.
0	(0)	BITSTRING	0	IXLRSCODEBADUNLOCKVAL	"X'00000829" IXLCACHE request to unlock one or more cast-out locks encountered an entry to be processed for which the cast-out lock was not held by the invoking connection.
0	(0)	BITSTRING	0	IXLRSCODEBADCOBEG	"X'0000082A" IXLCACHE request to read cast-out class statistics specified a starting cast-out class that exceeds the maximum defined cast-out class for the structure, or the starting cast-out class exceeds the specified ending cast-out class.
0	(0)	BITSTRING	0	IXLRSCODEBADIDINDEX	"X'0000082B" IXLLIST, IXLCACHE, or IXLRT request specifying an input list of entry names or identifiers to be processed had an invalid index specified for the first or last element in the input processing list. For a Castout_datalist request, a value in the range of 1 to 8 must be specified, and ENDINDEX must be greater than or equal to STARTINDEX. For a Cross_InvalList request, a value in the range of 1 to 4096 must be specified, and ENDINDEX must be greater than or equal to STARTINDEX.
0	(0)	BITSTRING	0	IXLRSCODEBADBOUNDARY	"X'0000082C" IXLLIST or IXLCACHE request specified a data area that was not boundary aligned according to requirements.
0	(0)	BITSTRING	0	IXLRSCODEBADSTGCLASS	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODEBADCOCLASS	"X'0000082D" IXLCACHE request specified a storage class outside the bounds of defined storage classes for the structure. For WRITE_DATALIST requests, the storage class specified in the WOB exceeds the maximum defined storage class for the structure. The data is not written, the index of the write-operation block that failed, and the offset in the data block of the data area for the write-operation block being processed is returned in the ANSAREA. All prior write-operation blocks were processed.
0	(0)	BITSTRING	0	IXLRSCODEBADPARITY	"X'0000082E" IXLCACHE request specified a cast-out class outside the bounds of defined cast-out classes for the structure. For WRITE_DATALIST requests, the cast-out class specified in the WOB exceeds the maximum defined cast-out class for the structure. The data is not written, the index of the write-operation block that failed, and the offset in the data block of the data area for the write-operation block being processed is returned in the ANSAREA. All prior write-operation blocks were processed.
0	(0)	BITSTRING	0	IXLRSCODEBADNUMNAMES	"X'0000082F" An IXLCACHE request specified a parity value that was not valid. For WRITE_DATALIST requests, the parity value specified in the WOB was invalid. The data is not written, the index of the write-operation block that failed, and the offset in the data block of the data area for the write-operation block being processed is returned in the ANSAREA. All prior write-operation blocks were processed.
0	(0)	BITSTRING	0	IXLRSCODEBADREQTOKEN	"X'00000830" IXLCACHE request to process an input reference list had an invalid number of input list elements specified.
0	(0)	BITSTRING	0	IXLRSCODEBADREQTOKEN	"X'00000831" IXLFCOMP received an invalid input asynchronous request token. Reasons: The request token does not match the request token returned on the corresponding IXLLIST or IXLCACHE token request, the request token is for a corresponding IXLLIST or IXLCACHE SyncToken request and the request completed synchronously, the request token was specified on a previous IXLFCOMP request that observed the completion of the request, or the same request token was specified by two different IXLFCOMP requests at the same time.
0	(0)	BITSTRING	0	IXLRSCODENORCLVCTR	"X'00000832" IXLCACHE request to set a reclaiming vector did not specify the vector.
0	(0)	BITSTRING	0	IXLRSCODEBADPGBLATTR	"X'00000833" IXLLIST, IXLCACHE, or IXLRT request specified a pageable storage area is non-pageable.
0	(0)	BITSTRING	0	IXLRSCODEBADNONPGBLATTR	"X'00000834" IXLLIST, IXLCACHE, or IXLRT request specified a non-pageable storage area is pageable.
0	(0)	BITSTRING	0	IXLRSCODEBADDATAADDR	"X'00000835" IXLLIST or IXLCACHE request specified a non-addressable virtual storage data area.
0	(0)	BITSTRING	0	IXLRSCODEBADREALADDR	"X'00000836" IXLLIST or IXLCACHE request specified a non-addressable real storage data area.
0	(0)	BITSTRING	0	IXLRSCODEBADWRITEADJDATA	"X'00000837" IXLLIST or IXLCACHE specified adjunct data was to be written to the structure, but the source virtual storage area for the adjunct data is non-addressable
0	(0)	BITSTRING	0	IXLRSCODEBADANSAREA	"X'00000838" IXLLIST or IXLCACHE specified a non-addressable virtual storage answer area.
0	(0)	BITSTRING	0	IXLRSCODEBADREQTOKENAREA	"X'00000839" IXLLIST or IXLCACHE specified a non-addressable virtual storage REQTOKEN area.
0	(0)	BITSTRING	0	IXLRSCODEBADDATAALET	"X'0000083A" IXLLIST or IXLCACHE ASYNC=TOKEN request specified a virtual storage data area not addressable from the current primary address space or from the PASN access list.
0	(0)	BITSTRING	0	IXLRSCODEBADADJALET	"X'0000083B" IXLLIST or IXLCACHE ASYNC=TOKEN request specified a virtual storage adjunct area not addressable from the current primary address space or from the PASN access list.
0	(0)	BITSTRING	0	IXLRSCODEBADANSALET	"X'0000083C" IXLLIST or IXLCACHE ASYNC=TOKEN request specified a virtual storage answer area not addressable from the current primary address space or from the PASN access list.
0	(0)	BITSTRING	0	IXLRSCODEBADANSLEN	"X'0000083D" IXLLIST or IXLCACHE request specified an answer area length that is insufficient for providing answer area data.

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRNSCODEMAXLISTKEY	"X'0000083E" An IXLLIST request failed while trying to assign the list key to an entry which was being created or moved. Either the list key or the list key plus the increment value is greater than the maximum list key.
0	(0)	BITSTRING	0	IXLRNSCODEBADENTRYVERSION	"X'0000083F" IXLLIST or IXLCACHE request failed based on specified entry version number criteria. For WRITE_DATALIST requests, the version number specified in the WOB does not meet the version number comparison criteria specified in the WOB. The data is not written, the version number for the entry, the index of the write-operation block that failed, and the offset in the data block of the data area for the write-operation block being processed is returned in the ANSAREA. All prior write-operation blocks were processed.
0	(0)	BITSTRING	0	IXLRNSCODEBADENTRYLIST	"X'00000840" IXLLIST request failed based on specified entry list number criteria.
0	(0)	BITSTRING	0	IXLRNSCODEBADENTRYNAME	"X'00000841" IXLLIST request processing suppressed entry creation processing because the specified entry name is already assigned.
0	(0)	BITSTRING	0	IXLRNSCODEPERSISTENTLOCK	"X'00000842" An IXLLIST request specifying an unconditional SET or NOTHELD lock operation failed because the lock was held by a connection in the failed persistent state.
0	(0)	BITSTRING	0	IXLRNSCODEBADENTRYID	"X'00000843" IXLLIST request specified an entry identifier or name in a list of identifiers or names to be processed for a non-existent entry.
0	(0)	BITSTRING	0	IXLRNSCODEBADID	"X'00000844" IXLLOCK obtain request to reacquire record data specified an element identifier that does not exist
0	(0)	BITSTRING	0	IXLRNSCODENONAMES	"X'00000845" IXLLIST request specified an input list of entry names to be processed but the structure does not support entry names.
0	(0)	BITSTRING	0	IXLRNSCODEBADLOCKINDEX	"X'00000846" IXLLIST request specified a lock index that exceeds the size of the lock table for the structure.
0	(0)	BITSTRING	0	IXLRNSCODEBADLISTNUMBER	"X'00000847" IXLLIST request specified a list number that exceeds the number of lists defined for the structure.
0	(0)	BITSTRING	0	IXLRNSCODEBADRESET	"X'00000848" IXLLIST request specified a locking operation for a lock table entry not held by the invoking connection
0	(0)	BITSTRING	0	IXLRNSCODEBADRESTOKEN	"X'00000849" An IXLLIST, IXLCACHE, or IXLRT request specified a restart token that is not valid.
0	(0)	BITSTRING	0	IXLRNSCODENOKEYS	"X'0000084A" The structure does not support the use of entry keys, and the request either was a request type that requires the structure to support entry keys, or designated a sublist, list entry, or list position by list number and entry key.
0	(0)	BITSTRING	0	IXLRNSCODENOLOCKS	"X'0000084B" IXLLIST request attempted a locking operation for a structure that does not support a lock table.
0	(0)	BITSTRING	0	IXLRNSCODENOSAFAUTH	"X'0000084C" User does not have proper SAF authorization
Comment					
'0000084D'X - reserved					
End of Comment					
0	(0)	BITSTRING	0	IXLRNSCODEBADMOVETOLIST	"X'0000084E" IXLLIST request specified a list number for MOVETOLIST that exceeds the number of lists defined for the structure.
0	(0)	BITSTRING	0	IXLRNSCODENOSUSPENDISABLE	"X'00000851" The request failed because the disabled caller cannot be suspended
0	(0)	BITSTRING	0	IXLRNSCODENOLISTVECTOR	"X'00000852" IXLLIST request failed because no local vector for monitoring list headers and/or event queues exists for this connection
0	(0)	BITSTRING	0	IXLRNSCODEINVLISTINDEX	"X'00000853" An invalid vector index was specified on a MONITOR_LIST or MONITOR_EVENTQ request with ACTION=START specified.
0	(0)	BITSTRING	0	IXLRNSCODEBADLOCKCOMP	"X'00000854" IXLLIST request specified a LOCKCOMP value which is not valid
0	(0)	BITSTRING	0	IXLRNSCODEENTRIESCHANGED	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'00000855" The record table entry that was represented by the FASTRESTOKEN was deleted or reacquired between IXLRT REQUEST=READBYCONN FASTPATH=YES requests.
Comment					
Removed IxlRsnCodeRebuildNumuser '00000856'X					
End of Comment					
0	(0)	BITSTRING	0	IXLRSCODEBADMAXCONN	"X'00000857" For a lock structure the keyword used to specify the number of users on the initial IXLCONN request is different from the keyword used on the IXLCONN REBUILD request. If MAXCONN is used on the initial connect, then MAXCONN must be used on the rebuild connect. If NUMUSERS is used on the initial connect, then NUMUSERS must be used on the rebuild connect. For a list structure the use of keyword MAXCONN was inconsistent between the initial IXLCONN request and the IXLCONN REBUILD request. If a connector to a list structure explicitly specifies a MAXCONN value on the initial IXLCONN request, then the connector must explicitly specify a MAXCONN value on the IXLCONN REBUILD request. The actual value specified can be different than the value coded on the initial connect. If a connector to a list structure takes the default for MAXCONN on the initial IXLCONN request, then the connector must take the default for MAXCONN on the IXLCONN REBUILD request.
0	(0)	BITSTRING	0	IXLRSCODEBADUSEREVENT	"X'00000858" The value provided for the USEREVENT and NEXTUSEREVENT keywords must be nonzero.
0	(0)	BITSTRING	0	IXLRSCODEBADLISTAUTH	"X'00000859" IXLLIST request failed due to the list authority comparison
0	(0)	BITSTRING	0	IXLRSCODENOTDISABLED	"X'0000085A" IXLLOCK request specified DISABLED=YES but caller is not disabled
0	(0)	BITSTRING	0	IXLRSCODERECORDLISTATTR	"X'0000085B" The record list attribute of the structure is not consistent with the record list attribute of the original structure.
0	(0)	BITSTRING	0	IXLRSCODEINVALIDLISTATTR	"X'0000085C" List structure must be allocated with one of the following: lock entries, data elements, adjunct entries. None were specified.
0	(0)	BITSTRING	0	IXLRSCODEINVALIDSTGCLASS	"X'0000085D" NUMSTGCLASS cannot be zero.
0	(0)	BITSTRING	0	IXLRSCODEINVALIDCOCLASS	"X'0000085E" NUMCOCLASS cannot be zero.
0	(0)	BITSTRING	0	IXLRSCODEINVALIDVECTORLEN	"X'0000085F" VECTORLEN cannot be zero for a cache structure.
0	(0)	BITSTRING	0	IXLRSCODEDIRRATIO	"X'00000860" DIRRATIO or DIRENTRYCOUNT cannot be zero. Directory entries are required for a cache structure.
0	(0)	BITSTRING	0	IXLRSCODEENTRYRATIO	"X'00000861" ENTRYRATIO or ENRYCOUNT cannot be zero. Entries are required for a list structure with data.
0	(0)	BITSTRING	0	IXLRSCODEMAXELEMNUM	"X'00000862" MAXELEMNUM must be greater than or equal to ELEMENTRATIO divided by ENTRYRATIO when allocating a list structure. MAXELEMNUM must be greater than or equal to ELEMENTRATIO divided by DIRRATIO when allocating a cache structure.
0	(0)	BITSTRING	0	IXLRSCODETASKTERM	"X'00000863" Request not allowed from resource manager. Requesting task is going through termination.
0	(0)	BITSTRING	0	IXLRSCODEBADBUFSIZE	"X'00000864" The buffer specified on an IXLLIST or IXLCACHE request is not large enough to contain the data being read. No data is returned. For CASTOUT_DATALIST requests, the specified buffer area is not large enough to contain the data area for the entry in the CASTOUTLIST specified by STARTINDEX. The number of elements in the desired entry is returned in the ANSAREA.
0	(0)	BITSTRING	0	IXLRSCODEBADBUFSPEC	"X'00000865" The buffer specification for an IXLLIST or IXLCACHE request is in error. Refer to the BUFFER or BUFLIST specification requirements.
0	(0)	BITSTRING	0	IXLRSCODEBADBUFSIZE	"X'00000866" The buffer storage key for an IXLLIST or IXLCACHE request is incorrect. For requests which write CF data the data cannot be fetched. For requests which read CF data the data cannot be stored.
0	(0)	BITSTRING	0	IXLRSCODEBADBUFLIST	"X'00000867" The storage area specified by BUFLIST is not addressable.
0	(0)	BITSTRING	0	IXLRSCODEBADRECLVCTR	

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRNSCODEBADSTGSTATS	"X'00000868" The storage area specified by RECLVCTR is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEBADELEMNUM	"X'00000869" The storage area specified by STGSTATS is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEELEMINGRNUM	"X'0000086A" The value specified for ElemNum on a IXLLIST or IXLCACHE request is not valid FOR WRITE_DATALIST requests, the ElemNum specified in the WOB is not valid. The data is not written, the index of the write-operation block that failed, and the offset of data block of the data area for the write-operation block being processed is returned in the ANSAREA. All prior write-operation blocks were processed.
0	(0)	BITSTRING	0	IXLRNSCODESTRSIZEMAX	"X'0000086B" ELEMINGRNUM must be nonzero and a power of two
0	(0)	BITSTRING	0	IXLRNSCODEINVALIDCFLEVEL	"X'0000086D" STRSIZE cannot be larger than the maximum structure size. Maximum structure size is the size specified by the installation in the CFRM active policy.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDVECTORLEN	"X'0000086F" Request rejected because ALLOWALTER=YES was specified and a CFLEVEL of zero was either specified or defaulted to. A CFLEVEL of at least one is required when ALLOWALTER=YES is specified.
0	(0)	BITSTRING	0	IXLRNSCODEMAXELEMNUMELEMCHAR	"X'00000870" The VECTORLEN attribute of the structure is not consistent with the VECTORLEN attribute of the original structure
0	(0)	BITSTRING	0	IXLRNSCODEMINENTRY	"X'00000871" The values specified in MAXELEMNUM and either ELEMCHAR or ELEMINGRNUM would result in entries of size greater than 64K.
0	(0)	BITSTRING	0	IXLRNSCODEMINELEMENT	"X'00000872" The value specified in MINENTRY keyword is not valid. A value in the range of 0 to 100 must be specified.
0	(0)	BITSTRING	0	IXLRNSCODEBADRNINDEX	"X'00000873" The value specified in MINELEMENT keyword is not valid. A value in the range of 0 to 100 must be specified.
0	(0)	BITSTRING	0	IXLRNSCODEBADWDLINDEX	"X'00000874" The value specified for either STARTINDEX or ENDINDEX is not valid. A value in the range of 1 to 32 must be specified, and ENDINDEX must be greater than or equal to STARTINDEX.
0	(0)	BITSTRING	0	IXLRNSCODEBADNSBAREA	"X'00000874" The value specified for either STARTINDEX or ENDINDEX is not valid. For a Write_datalist request, when BUFFER is specified a value in the range of 1 to 256 must be specified. When BUFLIST is specified a value in the range of 1 to 16 must be specified. ENDINDEX must be greater than or equal to STARTINDEX.
0	(0)	BITSTRING	0	IXLRNSCODEBADREQNUM	"X'00000875" The storage area specified by NSBAREA is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEBADLRBTYPE	"X'00000876" The REQNUM value specified on an IXLOCK REQUEST(PROCESSMULT) invocation is not valid. The value must be between 1 and 128 inclusive. Processing is halted with no entries in the REQBUFFER having been processed.
0	(0)	BITSTRING	0	IXLRNSCODEBADREQBUFFER	"X'00000877" A Lock Request Block that was input on an IXLOCK REQUEST(PROCESSMULT) has a value in the LRB_XType field that is not supported by this level of the service routine. Processing of the LRBs in the REQBUFFER is halted. The number of LRBs that were successfully processed prior to the error may be obtained via the REQPROC keyword.
0	(0)	BITSTRING	0	IXLRNSCODEBADMODEVAL	"X'00000878" XES encountered an error while attempting to access storage in the REQBUFFER. The number of LRBs that were successfully processed prior to the error may be obtained via the REQPROC keyword.
0	(0)	BITSTRING	0	IXLRNSCODEBADRNAMELEN	"X'00000879" The MODEVAL value specified on an IXLOCK invocation is not valid for this request type. See IXLMODE... for the list of valid values.
0	(0)	BITSTRING	0	IXLRNSCODENOVARRNAME	"X'0000087A" The RNAMELEN specified on an IXLOCK invocation is not valid. Valid lengths are 1 to 300.
0	(0)	BITSTRING	0	IXLRNSCODEBADSYNCFAILDELAY	"X'0000087B" An IXLOCK request which specified a variable length resource name is not valid because the variable length name feature is not in effect for the lock structure represented by the input contoken. Please consult the RNAMELEN keyword on the IXLCONN macro for information on allocating a lock structure with this attribute.
0	(0)	BITSTRING	0	IXLRNSCODEBADSYNCFAILDELAY	"X'0000087C" The SYNCFAILDELAY value specified on an IXLOCK invocation is not valid. See IxISyncFailDelay... for the list of valid values.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRNSCODEBADWORBAREA	"X'0000087D" The storage area specified by WORBAREA is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEBADFUNCTION	"X'0000087E" The FUNCTION value specified on the IXLCONN invocation is not valid.
0	(0)	BITSTRING	0	IXLRNSCODEBADMOSVECTOR	"X'00000880" The storage area specified by MOSVECTOR is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEBADCFLEVEL	"X'00000881" Request parameters are not appropriate for specified level of coupling facility.

Comment

Sub-reason code constants for reason code 0881, IxIRsnCodeBadCfLevel. Note that the sub-reason code is placed into ConaDiag2 and into the symptom record as diagnostic information.

End of Comment

		.... ...1		IXLYCON_KEMCSTGPCTBADCFLEVEL	"X'00000001"
		.... ..1.		IXLYCON_KUDFORORDERBADCFLEVEL	"X'00000002"
		.... ..11		IXLYCON_KNAMECLASSMASKBADCFLEVEL	"X'00000003"
		.... ..1..		IXLYCON_KENTRYIDTYPEUSERBADCFLEVEL	"X'00000004"
		.... ..1.1		IXLYCON_KKEYTYPESECONDARYBADCFLEVEL	"X'00000005"
0	(0)	BITSTRING	0	IXLRNSCODEBADREFOPTION	"X'00000882" Request parameters are not appropriate for specified REFOPTION.
0	(0)	BITSTRING	0	IXLRNSCODEBADEMCSTGPCT	"X'00000883" Value specified for EmcStgPct is out of range.
0	(0)	BITSTRING	0	IXLRNSCODEBADADMINEMC	"X'00000884" Value specified for MinEMC is out of range.
0	(0)	BITSTRING	0	IXLRNSCODEBADAMDALEVEL	"X'00000885" Value specified for AmdaLevel is not valid
0	(0)	BITSTRING	0	IXLRNSCODEBADREQUEST	"X'00000886" Request type is not valid
0	(0)	BITSTRING	0	IXLRNSCODEBADEXTRESTOKEN	"X'00000887" An IXLLIST, IXLCACHE, or IXLRT request specified an extended restart token that is not valid.
0	(0)	BITSTRING	0	IXLRNSCODEBADSTRUCTURESIZE	"X'00000888" Structure size greater than maximum structure size, or smaller than marginal structure size
0	(0)	BITSTRING	0	IXLRNSCODECALCULATIONOVERFLOW	"X'00000889" Structure size calculation encountered an overflow condition
0	(0)	BITSTRING	0	IXLRNSCODEBADASCMODE	"X'0000088A" Caller's ASC mode does not match the requirements of the invoked service.
0	(0)	BITSTRING	0	IXLRNSCODEBADELEMCHARORINCRNUM	"X'0000088B" Caller's ElemChar or ElemIncrNum specification exceeds the maximum data size of the input coupling facility.
0	(0)	BITSTRING	0	IXLRNSCODECOMPUTEREJECTED	"X'0000088C" An IXLCSP request could not be processed due to invalid input. The CSPA_DiagnosticCode field identifies the bad input.
0	(0)	BITSTRING	0	IXLRNSCODEBADENTRYIDTYPE	"X'0000088D" Request Rejected. EntryIdType requested is not consistent with the EntryIdType of the allocated structure.
0	(0)	BITSTRING	0	IXLRNSCODEINCONSISTENTPARM	"X'0000088E" Request Rejected. A keyword specification was made that also requires one or more other keywords to be specified.

Comment

Sub-reason code constants for reason code 088E, IxIRsnCodeInconsistentParms. Note that for IXLCONN the sub-reason code is placed into ConaDiag2 and into the symptom record as diagnostic information. Note that for IXLCSP the sub-reason code is placed into Cspa_DiagnosticCode.

End of Comment

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..1		IXLYCON_KKEYTYPESECONDARYNOADJUNCT	"X'00000001" SECONDARY was specified for KEYTYPE but NO was specified for ADJUNCT.
		.... ..1.		IXLYCON_KLISTCNTLELEMENTNONE	"X'00000002" ELEMENT was specified for LISTCNTLTYPE but zero was specified for ELEMENTRATIO or ELEMENTCOUNT.
		.... ..11		IXLYCON_KKEEPRATIOSTYPELOCK	"X'00000003" KEEPRATIOS was used with TYPE=LOCK.
		.... ..1..		IXLYCON_KKEEPRATIOSALLOCNO	"X'00000004" KEEPRATIOS was used with ALLOC=NO.
		.... ..1.1		IXLYCON_KSCMALGORITHMNEEDSDATA	"X'00000005" The value specified with SCMALGORITHM requires a structure with data, but ENTRYRATIO, ELEMENTRATIO, ENTRYCOUNT, ELEMENTCOUNT, SCMENTRYCOUNT, or SCMELEMENTCOUNT was zero.
		.... ..11.		IXLYCON_KSCMALGORITHMNEEDSKEYS	"X'00000006" The value specified with SCMALGORITHM requires a structure with keys, but REFOPTION=KEY was not specified
		.... ..111		IXLYCON_KSCMALGORITHMLISTS	"X'00000007" The value specified with SCMALGORITHM requires a structure with a specific number of lists, but LISTHEADERS did not specify the required value
0	(0)	BITSTRING	0	IXLRNSCODEBADENTRYIDVALUE	"X'00000890" The specified User entry Id is zero.
0	(0)	BITSTRING	0	IXLRNSCODEBADKEYRANGEEND	"X'00000891" The specified KeyRangeEnd value is not valid
0	(0)	BITSTRING	0	IXLRNSCODEBADKRNOTEMPTY	"X'00000892" The specified KRNotEmpty value is not valid.
0	(0)	BITSTRING	0	IXLRNSCODEBADLISTNOTEMPTY	"X'00000893" The specified ListNotEmpty value is not valid.
0	(0)	BITSTRING	0	IXLRNSCODEBADKEYCOMPARE	"X'00000894" Request failed based on specified key comparison
0	(0)	BITSTRING	0	IXLRNSCODEBADLISTKEYAREA	"X'00000895" The storage area specified by LISTKEYAREA is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEDUPLICATEENTRYID	"X'00000896" The specified EntryId already exists in the specified structure.
0	(0)	BITSTRING	0	IXLRNSCODEBADKEYTYPE	"X'00000897" The specified KEYTYPE value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADKEYSCANTYPE	"X'00000898" The specified KEYSCLANTYPE value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADSKEYCOMPARE	"X'00000899" The specified SKEYCOMPARE value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADSKEYREQTYPE	"X'0000089A" The specified SKEYREQTYPE value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADKEYCOMPARETYP	"X'0000089B" The specified KEYCOMPARE value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADMOVETOKEY	"X'0000089C" The specified MOVETOKEY value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADMOVETOSKEY	"X'0000089D" The specified MOVETOSKEY value is not valid for the specified structure
0	(0)	BITSTRING	0	IXLRNSCODEBADMINCFLEVEL	"X'0000089E" The specified MINCFLEVEL value is greater than the specified CFLEVEL value
Comment					
'000008A0'X - reserved, do not use					
End of Comment					
0	(0)	BITSTRING	0	IXLRNSCODEBADMRTDLEVEL	"X'000008A8" An invalid value for MRTDLEVEL was specified.
0	(0)	BITSTRING	0	IXLRNSCODEBADSSUSPENDOPTION	"X'000008A9" Suspend=Fail is not a valid option for lock or serialized list structures.
0	(0)	BITSTRING	0	IXLRNSCODEELEMNUMMISMATCH	"X'000008AA" For WRITE_DATALIST requests, the specified data area size in the WOB does not match the actual size of the corresponding data area in the data block.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	0	IXLRNSCODEBADDATAOFFSET	"X'000008AB" On a WRITE_DATALIST request, an invalid DATAOFFSET was specified. No data is returned.
0	(0)	BITSTRING	0	IXLRNSCODEBADGETCOLOCK	"X'000008AC" On a WRITE_DATALIST request, the change control indicator was set and the get castout lock control indicator was also set in the WOB.
0	(0)	BITSTRING	0	IXLRNSCODEBADHIGHSHAREDVRT	"X'000008AD" Request specified a high shared virtual storage area (above 2GB)
0	(0)	BITSTRING	0	IXLRNSCODEBADWRTSUPPRESSCNTL	"X'000008AF" On a WRITE_DATALIST request, LOCALREGCNTL=YES was specified, but the change control indicator and assignment suppression indicator were not set in a WOB. The data is not written, and the index of the failing write-operation block is returned in the ANSAREA. None of the specified write-operation blocks were processed. Processing of the entire command was suppressed.
0	(0)	BITSTRING	0	IXLRNSCODEBADSCMALGORITHM	"X'000008B0" A request specified an invalid value for SCMALGORITHM
0	(0)	BITSTRING	0	IXLRNSCODEVALUEOUTOFRANGE	"X'000008B1" A request specified a value too high or too low for the keyword identified by the sub-reason code. The valid range may be sensitive to the CFLEVEL of the target CF.

Comment

Sub-reason code constants for reason code 08B1, IxLRsnCodeValueOutOfRange. For IXLCONN, the sub-reason code is placed into ConaDiag2 and into the symptom record as diagnostic information. For IXLCSP, the sub-reason code is placed into Cspa_DiagnosticCode.

End of Comment

		.... ..1		IXLYCON_KSCMMAXSIZEHIGH	"X'00000001" SCMMaxSize specified a value out of range high
		.... ..1.		IXLYCON_KSCMENTRYCOUNTHIGH	"X'00000002" SCMEntryCount specified a value out of range high
		.... ..11		IXLYCON_KSCMELEMENTCOUNTHIGH	"X'00000003" SCMElementCount specified a value out of range high
0	(0)	BITSTRING	0	IXLRNSCODEBADUSERTEXT	"X'000008B4" The USERTEXT area specified on an IXLREBLD POPULATING or WAITING request is not addressable.
0	(0)	BITSTRING	0	IXLRNSCODEBADMONITORVAL	"X'000008B5" The value specified with the IXLCONN MONITORVAL keyword is not valid. See IxlMonitorXxx for valid values.
0	(0)	BITSTRING	0	IXLRNSCODEMINIMUMCOUNT	"X'000008BB" Computation would result in counts smaller than the minimum entry count or the minimum element count. Used only when computing with ScmMaxSize>0 (CFLEVEL 19).

Comment

Reason Codes -- IxlRetCodeEnvError
(Note that the reason codes are of the form "xxxxYYYY" where "xxxx" is used to contain internal diagnostic information)

End of Comment

0	(0)	BITSTRING	0	IXLRNSCODENOMORECONNS	"X'00000C02" No further connections available to the specified structure.
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Comment

'00000C03'X - reserved, do not use

End of Comment

0	(0)	BITSTRING	0	IXLRNSCODEJOINFAILED	"X'00000C04" Join Failed. The return code and reason code from IXCJOIN can be found in the connect answer area.
0	(0)	BITSTRING	0	IXLRNSCODESTRNOTINPOLICY	"X'00000C05" Requested structure is not in the CFRM active policy
0	(0)	BITSTRING	0	IXLRNSCODENOCN	"X'00000C06" This system does not have connectivity to the coupling facility containing the structure.

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODECFNOTINPOLICY	"X'0000C07" Requested coupling facility is not in the CFRM active policy
0	(0)	BITSTRING	0	IXLRSCODENOFAC	"X'0000C08" Structure allocation failed because there was not suitable coupling facility to allocate the requested structure.
0	(0)	BITSTRING	0	IXLRSCODECONNPREVENTED	"X'0000C09" Connections to the requested structure are being prevented at this time. See CONSTRUCTURESMDUPESTAB flag for additional structure status.
0	(0)	BITSTRING	0	IXLRSCODESTRNOTALLOCATED	"X'0000C0A" The structure specified is not allocated
0	(0)	BITSTRING	0	IXLRSCODERTFULL	"X'0000C0B" Record portion of Lock structure is full
0	(0)	BITSTRING	0	IXLRSCODENOCNNDUPLEXNEWSTR	"X'0000C0C" This system does not have connectivity to the coupling facility containing the duplexed new structure.
0	(0)	BITSTRING	0	IXLRSCODESUPERSEDED	"X'0000C0D" Request was superseded
0	(0)	BITSTRING	0	IXLRSCODEUSABLECF	"X'0000C0E" FORCE,PNDSTR request specified a CFNAME for a CF that is able to be used
0	(0)	BITSTRING	0	IXLRSCODEDENIED	"X'0000C0F" Request was denied
0	(0)	BITSTRING	0	IXLRSCODEOLDGLOBALMANAGERINSTANCE	"X'0000C10" The global manager instance that initiated the notify exit call is no longer valid. No updates were made during IXLSYNCH processing. The IXLSYNCH requestor should not perform any updates. If updates were made in anticipation of IXLSYNCH completing successfully they should be undone. A new global manager instance may reinitiate a call to the contention exit with the CephRecovery indication on.
0	(0)	BITSTRING	0	IXLRSCODEDEFINE	"X'0000C11" The local vector requested on Connect could not be defined.
0	(0)	BITSTRING	0	IXLRSCODESDNOTCREATED	"X'0000C12" Could not create a data space for storage management.
0	(0)	BITSTRING	0	IXLRSCODEREQPURGED	"X'0000C13" Prior to completion of the request, the request was purged. Reasons: The connector failed, the connector disconnected, the request was purged by IXPURGE, or requests were purged when the connector provided an IXLEERSP response for the Rebuild Stop or Rebuild Cleanup event.
0	(0)	BITSTRING	0	IXLRSCODESTATUSUNKNOWN	"X'0000C14" The IXLLIST or IXLCACHE request has completed, but the final disposition of the request cannot be determined.
0	(0)	BITSTRING	0	IXLRSCODEMAXCONNECTAS	"X'0000C15" Maximum number of serialized connections for this address space exceeded.
0	(0)	BITSTRING	0	IXLRSCODEPASNEXCEEDED	"X'0000C16" Error adding to the PASN access list.
0	(0)	BITSTRING	0	IXLRSCODESTRFULL	"X'0000C17" IXLLIST or IXLCACHE request could not allocate a structure entry or an event monitor controls object as required by the request -- the structure is full
0	(0)	BITSTRING	0	IXLRSCODELISTFULL	"X'0000C18" IXLLIST request could not create a new entry on a list because the list is full.
0	(0)	BITSTRING	0	IXLRSCODETIMERNOTSET	"X'0000C19" XES DIE could not be established for this system
0	(0)	BITSTRING	0	IXLRSCODERESOURCESCONSTRAINED	"X'0000C20" The amount of inuse storage is above a preestablished threshold. Incoming obtain and alter requests are being rejected until sufficient storage is reclaimed to fall below the threshold.
Comment					
'0000C21'X - not used					
End of Comment					
0	(0)	BITSTRING	0	IXLRSCODECONNNOTINPOL	"X'0000C23" Connection failed because information about the previous instance of this connection (for reconnect) could not be rebuilt into the policy. A CFRM couple data set with more CONNECT records is required.
0	(0)	BITSTRING	0	IXLRSCODEINCOMPATNUMUSER	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'0000C24" The composite value of all the NUMUSERS or MAXCONN values specified by connectors to the current structure prevents any additional connections to the structure. This can occur for the following reasons: On Initial connect, the available conid is greater than the smallest NUMUSERS or MAXCONN value specified by an existing connection. On Initial connect, the available conid is greater than the NUMUSERS or MAXCONN value specified on the current IXLCONN request. On Initial connect, the largest conid in use by an existing connection is greater than the NUMUSERS or MAXCONN value specified on the current IXLCONN request. On Rebuild connect, the largest conid in use by an existing connection to the original structure is greater than the NUMUSERS or MAXCONN value specified on the current IXLCONN REBUILD request.
0	(0)	BITSTRING	0	IXLRSCODESTRFAILURE	"X'0000C25" Structure failure occurred.
0	(0)	BITSTRING	0	IXLRSCODECONACTIVE	"X'0000C26" Connection identified by the connect token is still active.
0	(0)	BITSTRING	0	IXLRSCODERSPNOTREC	"X'0000C27" All surviving connections have not responded via IXLEERSP for the requested connection.
0	(0)	BITSTRING	0	IXLRSCODESTILLACTIVECONN	"X'0000C28" Structure cannot be deleted because there are still active connections.
0	(0)	BITSTRING	0	IXLRSCODEXESNOTACTIVE	"X'0000C29" The CFRM function is not active or not available.
0	(0)	BITSTRING	0	IXLRSCODENOSUCHCONNECTION	"X'0000C2A" Connection does not exist
Comment					
Unused '0000C2B'X - '0000C2C'X '0000C2D'X - reserved, do not use '0000C2E'X - reserved, do not use					
End of Comment					
0	(0)	BITSTRING	0	IXLRSCODEFORCECONNPERSISTSTR	"X'0000C2F" Reserved for IBM use.
0	(0)	BITSTRING	0	IXLRSCODEDUMPINPROGRESS	"X'0000C30" Dump in progress
0	(0)	BITSTRING	0	IXLRSCODECONNPENDINGRECONCIL	"X'0000C33" Structure cannot be deleted because there are connections to the structure in the coupling facility which are pending reconciliation into the CFRM active policy
0	(0)	BITSTRING	0	IXLRSCODENOACTIVECONNS	"X'0000C35" Request rejected because there are no active connections.
0	(0)	BITSTRING	0	IXLRSCODESTOPINPROGRESS	"X'0000C36" The IXLREBLD START or STARTDUPLEX request is rejected because stop processing was in progress for the same structure name.
0	(0)	BITSTRING	0	IXLRSCODEUSEREVENTMISMATCH	"X'0000C37" The user event point specified did not match the currently defined sync point.
0	(0)	BITSTRING	0	IXLRSCODEUSERMISMATCH	"X'0000C38" A confirmation was not expected from the responding connector.
Comment					
Unused 0000C3A					
End of Comment					
0	(0)	BITSTRING	0	IXLRSCODEDUMPSEHLED	"X'0000C3B" The request failed because dumping serialization is held
0	(0)	BITSTRING	0	IXLRSCODEREBUILDCONNECT	"X'0000C3C" The rebuild connect request was not successful because original connection failed.
0	(0)	BITSTRING	0	IXLRSCODENOTREBUILDING	"X'0000C3D" The request is rejected because a structure rebuild was not in progress.
0	(0)	BITSTRING	0	IXLRSCODEINCLEANUP	"X'0000C3E" The request is rejected because the phase of processing was CLEANUP. The process cannot be stopped.
0	(0)	BITSTRING	0	IXLRSCODECONNNOTDEFINED	"X'0000C3F" The responding or designated connection is not defined or is not valid.
0	(0)	BITSTRING	0	IXLRSCODECONNNOTACTIVE	

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRNSCODEUNEXPECTEDRESPONSE	"X'0000C40" The responding or designated connection is not active.
0	(0)	BITSTRING	0	IXLRNSCODEINVALIDEVENT	"X'0000C41" A response was not expected from the responding connection.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDCONNEXISTS	"X'0000C42" Response not expected for the specified event.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDBADCONN	"X'0000C44" Rebuild Connect already exists for the specified conname.
0	(0)	BITSTRING	0	IXLRNSCODEREQUESTNOTEXPECTED	"X'0000C45" The issuer of IXLCONN REBUILD is not a connector in the address space the request was issued from or the connector is not active.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDCOMPLETE	"X'0000C46" The request is not expected during the current phase of processing. Applicable requests: - IXLRBLD REQUEST=COMPLETE - IXLRBLD REQUEST=POPULATING - IXLRBLD REQUEST=WAITING. For IXLRBLD REQUEST=POPULATING or WAITING, this reason code may also indicate that the connector did not specify IXLCONN MONITOR=IXLRBLD on the rebuild connect request.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDCONNPHASE	"X'0000C46" Depreciated synonym for IxIRsnCodeRequestNotExpected
0	(0)	BITSTRING	0	IXLRNSCODESUBJCONNNOTDEFINED	"X'0000C47" Rebuild connect (IXLCONN with the REBUILD keyword) was requested during the wrong phase of the rebuild process.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDEERSPIGNORED	"X'0000C48" Subject connector is not defined.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDNOTPERMITTED	"X'0000C49" RebuildConnectFailure response received for a connection which is no longer active. The original connection has terminated.
0	(0)	BITSTRING	0	IXLRNSCODEUSYNCEVENTNOTSET	"X'0000C4A" ALLOWREBLD=NO specified by at least one active connection.
0	(0)	BITSTRING	0	IXLRNSCODERESOURCENOLONGEROWNED	"X'0000C4B" IXLUSYNC REQUEST=SET rejected. The new user event was not set because all confirmations have not yet been received for the current event or all connectors have not been notified of the previously completed user event.
0	(0)	BITSTRING	0	IXLRNSCODENOSTRDUMP	"X'0000C4C" An IXLLOCK ALTER or UNLOCK request for a resource that is no longer owned. Request is denied.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDCONNECTSTOP	"X'0000C4D" Request is not valid because no structure dump exists.
0	(0)	BITSTRING	0	IXLRNSCODEUSYNCSNOEVENTSET	"X'0000C4E" Rebuild Connect request not successful because rebuild stop occurred.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDCONNECTNOPREF	"X'0000C4F" IXLUSYNC REQUEST=CONFIRM or IXLUSYNC REQUEST=CONFIRMSET rejected because no user event set.
0	(0)	BITSTRING	0	IXLRNSCODEREUILDBUILDINPROGRESS	"X'0000C50" Rebuild Connect request not successful because there where no coupling facilities in the preference list and there was no pending policy.
0	(0)	BITSTRING	0	IXLRNSCODEALLOWREBLD	"X'0000C51" Request rejected because a structure rebuild was in progress for the structure. While a structure rebuild is in progress, requests to alter the structure or to force deletion of connections or of the structure are not allowed.
0	(0)	BITSTRING	0	IXLRNSCODECFLEVEL	"X'0000C52" Request rejected because the user either specified ALLOWREBLD=NO and a rebuild was in progress or specified ALLOWREBLD=YES and ALLOWDUPREBLD=NO and a duplexing rebuild was in progress.
0	(0)	BITSTRING	0	IXLRNSCODENOALTERCF	"X'0000C53" Request rejected because a the connection specified a CFLEVEL that is greater than the maximum CFLEVEL supported by the release of MVS on which the IXLCONN was issued. The maximum CFLEVEL is returned to the connector in the IXLYCONA.
0	(0)	BITSTRING	0	IXLRNSCODEALLOWALTER	"X'0000C60" Request rejected because the structure is allocated in a coupling facility that does not support alter. CFLEVEL equal zero.
0	(0)	BITSTRING	0	IXLRNSCODEALTERNOTINPROG	"X'0000C61" Request rejected because at least one active, failing, or failed-persistent connection specified ALLOWALTER=NO on IXLCONN. If connections exist that could not be reconciled into the policy because the policy was too small, then the request is rejected.
0	(0)	BITSTRING	0	IXLRNSCODEALTERNOTINPROG	"X'0000C62" Request rejected because at least one active, failing, or failed-persistent connection specified RATIO=NO on IXLCONN.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODESTRALTERNOTALLOW	"X'0000C63" Request rejected because alter is not in progress for the structure.
0	(0)	BITSTRING	0	IXLRSCODESTRALTERRESTRICT	"X'0000C64" Request rejected because alter is in progress and the connection specified ALLOWALTER=NO on IXLCONN.
0	(0)	BITSTRING	0	IXLRSCODEALTERSTOPINPROG	"X'0000C65" Request rejected because alter is in progress and the connection specified thresholds that are more restrictive than the current composite for existing connections.
0	(0)	BITSTRING	0	IXLRSCODEREBLDNOOTHER	"X'0000C66" Request rejected because alter stop was requested and an alter stop is already in progress.
0	(0)	BITSTRING	0	IXLRSCODEBADREQCFLEVEL	"X'0000C67" Request rejected for one of the following reasons: LOCATION OTHER was either specified or defaulted to and no other suitable coupling facility exists in the preference list or a duplexing rebuild initiated by MVS after the previous duplexing rebuild was stopped by the operator avoids the current coupling facility and the coupling facility containing the previous structure instance and no other coupling facility exists in the preference list.
0	(0)	BITSTRING	0	IXLRSCODENODELAY	"X'0000C68" The request type is not permitted for the level of coupling facility in which the target structure is allocated.
0	(0)	BITSTRING	0	IXLRSCODEREBLDNOBETTERCONN	"X'0000C69" An IXLLOCK request in which the user specified mode(SYNCFAIL) experienced a delay. The request is cancelled.
0	(0)	BITSTRING	0	IXLRSCODEREBLDINSUFFCONN	"X'0000C6A" No coupling facility in the preference list provided better connectivity than the current facility for this LOSSCONN rebuild. The rebuild was not started to avoid a further degradation in connectivity for the application. This condition may be overridden with the LESSCONNACTION option.
0	(0)	BITSTRING	0	IXLRSCODEREBLDCFNAMEXCFSIGSTR	"X'0000C6B" No coupling facility in the preference list provided better or equivalent connectivity than the current facility. The rebuild was not started to avoid a degradation in connectivity for the application. This condition may be overridden with the LESSCONNACTION option. This may also occur during a duplexing rebuild when another coupling facility in the preference list is not available to contain the new duplex structure instance. In this case, the LESSCONNACTION keyword does not apply, and another facility must be made available to the sysplex to allow the duplexing rebuild succeed. This may also occur when an IXLREBLD REQUEST=START is attempted which needs system-managed processing (e.g., rebuild). In the system-managed process case, the LESSCONNACTION keyword does not apply, and another facility must be made available to the sysplex to allow the system-managed process to succeed.
0	(0)	BITSTRING	0	IXLRSCODESUBJCONNNOTFAILING	"X'0000C6C" A rebuild of an XCF Signalling structure is not permitted via the CFNAME keyword on either an IXLREBLD START request or a SETXCF START,REBUILD command.
0	(0)	BITSTRING	0	IXLRSCODEALTERNOTPERMITTED	"X'0000C6D" An IXLEERSP Proxy Response or an IXLUSYNG Proxy Response was attempted for connector which is not marked as failing.
0	(0)	BITSTRING	0	IXLRSCODEDUPLEXNOTPERMITTED	"X'0000C6E" CF structure alter is not permitted to start. This may be because of SETXCF MODIFY,ALTER=DISABLED command. A structure-specific ENF35 will be issued when alter is permitted.
0	(0)	BITSTRING	0	IXLRSCODEWRONGREBUILDTYPE	"X'0000C6F" Duplexing not permitted due to connection or policy specification, there are connections pending reconciliation into the CFRM active policy or there is a pending policy change for the structure.
0	(0)	BITSTRING	0	IXLRSCODENOTDUPLEXESTAB	"X'0000C70" IXLREBLD STOP requested and a duplexing rebuild is in progress or IXLREBLD STOPDUPLEX requested and a non-duplexing rebuild is in progress.
0	(0)	BITSTRING	0	IXLRSCODEDUPLEXCOMPLETE	"X'0000C71" An IXLREBLD STOPDUPLEX KEEP=NEW to switch to the new structure was requested and the process has not reached the duplex established phase. A stop to switch to the new structure cannot be accepted until the duplexing rebuild reaches the duplex established phase.
0	(0)	BITSTRING	0	IXLRSCODESTRFAILED	"X'0000C72" An IXLREBLD DUPLEXCOMPLETE request is not expected. Either switch is not in progress or the connector has not established duplexing yet. If the latter, the connector must either establish duplexing or disconnect, allowing switch processing to proceed.

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRNSCODESTOPPINGDIRECTION	"X'0000C73" The request is rejected because the structure has failed. A request to initiate a duplexing rebuild is rejected if the structure has failed.
0	(0)	BITSTRING	0	IXLRNSCODEDUPLEXNOTFEASIBLE	"X'0000C74" The duplexing rebuild is stopping in a direction that will not keep the structure specified on the IXLREBLD STOPDUPLEX request. The request could not be processed as requested for one of the following reasons: - A request to stop structure duplexing has already been initiated in the other direction. This request is rejected. - A recovery manager is active and this request with REASON=LOSSCONN specified would not have kept the structure in the coupling facility at the recovery site. Duplexing is instead stopped in the other direction to keep the structure in the coupling facility at the recovery site.
0	(0)	BITSTRING	0	IXLRNSCODEDUPALTER	"X'0000C75" The IXLREBLD STARTDUPLEX request was not processed because XES determined that allocation of the rebuild new structure would not be feasible
0	(0)	BITSTRING	0	IXLRNSCODEALTERCFSTART	"X'0000C76" Request rejected because alter stop was requested and a stop of an alter for a structure in a system-managed duplexing rebuild is not allowed
0	(0)	BITSTRING	0	IXLRNSCODEALTERCFSTART	"X'0000C77" Reserved for IBM use.
Comment					
Unused '0000C78'X - '0000C7F'X					
End of Comment					
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFINPROGRESS	"X'0000C80" A request to start a POPULATECF rebuild was attempted when either a POPULATECF rebuild or REALLOCATE process was already in progress. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFNINPROGRESS	"X'0000C81" A request to stop a POPULATECF rebuild was attempted. However, there is no currently active POPULATECF rebuild in progress for the specified coupling facility. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFNOSTRUCTS	"X'0000C83" A request to start a POPULATECF rebuild was attempted. No structures were selected for the request. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFFAILED	"X'0000C84" A request to start a POPULATECF rebuild was attempted. The specified coupling facility has failed. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFNCLEANUP	"X'0000C85" A request to start a POPULATECF rebuild was attempted. The specified coupling facility is in clean up processing. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFDELETEPENDING	"X'0000C86" A request to start a POPULATECF rebuild was attempted. The specified coupling facility is in being deleted from the CFRM active policy. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFINMAINTMODE	"X'0000C87" A request to start a POPULATECF rebuild was attempted. The specified coupling facility is in maintenance mode. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODEREBUILDPOPCFALLOCNOTPERMITTED	"X'0000C88" A request to start a POPULATECF rebuild was attempted. Structure allocation is not permitted in the specified coupling facility. The request is not processed.
Comment					
Unused '0000C89'X - '0000C90'X					
End of Comment					
0	(0)	BITSTRING	0	IXLRNSCODESYSMGDRESPONSENOTPERMITTED	"X'0000C91" The structure is in system-managed processing (e.g., rebuild). A response is not permitted from the connection. The request is not processed.
0	(0)	BITSTRING	0	IXLRNSCODESYSMGDNOTSUPPORTEDSTR	"X'0000C92" A request to initiate a structure rebuild was attempted which needed system-managed processing (e.g., rebuild). The system-managed process cannot be initiated because the structure was not allocated in a coupling facility at the proper CFlevel by a system supporting system-managed processing or has connections that have not been reconciled into the CFRM active policy or structure cleanup is in progress.
0	(0)	BITSTRING	0	IXLRNSCODESYSMGDSTRPREFLIST	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSNCODESYSMDNOTSUPPORTEDCONN	"X'0000C93" A request to initiate a structure rebuild was attempted which needed system-managed processing (e.g., rebuild). The system-managed process cannot be initiated because the preference list for the structure is either empty or contains no other coupling facility at the proper CFlevel or the only capable coupling facility contains the structure and no CFRM policy change is pending.
0	(0)	BITSTRING	0	IXLRSNCODESYSMDBADSTARTREASON	"X'0000C94" A request to initiate a structure rebuild was attempted which needed system-managed processing (e.g., rebuild). The system-managed process cannot be initiated either because there is at least one active connection and all connections did not specify ALLOWAUTO=YES on IXLCONN or because the structure only has failed-persistent connections and all connections did not specify ALLOWAUTO=YES on IXLCONN.
0	(0)	BITSTRING	0	IXLRSNCODESYSMDLOSSCONN	"X'0000C95" An IXLREBLD REQUEST=START invocation would have resulted in system-managed rebuild. The request specified a STARTREASON of LOSSCONN or STRFAILURE, which are not valid reasons for starting the resulting process.
0	(0)	BITSTRING	0	IXLRSNCODESYSMDREQUESTNOTPERMITTED	"X'0000C96" A request to initiate a structure rebuild was attempted which needed system-managed processing (e.g., rebuild). The system-managed process cannot be initiated because an active or failing connector does not have connectivity to the target structure.
0	(0)	BITSTRING	0	IXLRSNCODESYSMDCOMPLETENOTPERMITTED	"X'0000C97" The request was issued for a structure which is undergoing a system-managed process (e.g., rebuild). The request is not processed. Applicable requests: - IXLREBLD REQUEST=COMPLETE - IXLREBLD REQUEST=DUPLXCOMPLETE - IXLREBLD REQUEST=POPULATING - IXLREBLD REQUEST=WAITING
0	(0)	BITSTRING	0	IXLRSNCODECFNOTACCESSIBLE	"X'0000C98" The system does not have connectivity to the requested coupling facility. Possible causes include: The facility is not described by the active CFRM policy, there is no CFRM couple data set, the system from which the request is issued does not have connectivity to the facility, or the facility has failed.
0	(0)	BITSTRING	0	IXLRSNCODESYSMDNOTSUPPORTEDCDS	"X'0000C99" A request to initiate a structure rebuild was attempted which needed system-managed processing (e.g., rebuild). The system-managed process cannot be initiated because the CFRM couple data set was not formatted at the minimum required level.
0	(0)	BITSTRING	0	IXLRSNCODEINSUFFCFLEVELUSER	"X'0000C9A" An IXLCONN request specified a minimum CFLEVEL which is greater than the level of the coupling facility in which the target structure is allocated.
0	(0)	BITSTRING	0	IXLRSNCODESYSMDNOHISTORY	"X'0000C9B" A request to initiate a duplexing rebuild was attempted which needed system-managed processing. The system-managed duplexing rebuild cannot be initiated because there are no connections to the structure and the structure has not previously been duplexed using system-managed processing.
0	(0)	BITSTRING	0	IXLRSNCODEDUPLEXFAILURE	"X'0000C9C" Reserved for IBM use.
0	(0)	BITSTRING	0	IXLRSNCODEQUIESCEDSUSPENDFAIL	"X'0000CA0" The request is failed because the structure is quiesced for a system-managed process (but not a stop or switch to fall out of a system-managed duplexing rebuild), and SUSPEND=FAIL is specified
0	(0)	BITSTRING	0	IXLRSNCODENONCONNDUPLEXOLDSTR	"X'0000CA1" The request failed because the system does not have connectivity to the CF containing the old instance of a duplexed structure
0	(0)	BITSTRING	0	IXLRSNCODESTORAGECLASSMEMORYINUSE	"X'0000CA2" The request failed because the structure has objects in storage-class (flash) memory.
0	(0)	BITSTRING	0	IXLRSNCODESTRALTERSCM	"X'0000CA3" The request failed because the connection specified IXLCONN ALLOWALTER=NO but the target structure is allocated to support storage-class memory
0	(0)	BITSTRING	0	IXLRSNCODEXESFAIL	"X'0000100A" The IXLMG support encountered a software control block failure for which processing could not continue
0	(0)	BITSTRING	0	IXLRSNCODESYSMDXCFERROR	

IXLYCON Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IXLRSCODENOTAVAILABLE	"X'0000100B" An IXLREBLD REQUEST=START was attempted which needed system-managed processing (e.g., rebuild). The system-managed process cannot be initiated because the necessary CFRM active policy data area could not be obtained. The request is not processed.
0	(0)	BITSTRING	0	IXLRSCODENOTAVAILABLE16	"X'FFFFFFF" XES functions are not available. This can be because the hardware necessary to provide XES functions is not present. "X'0000FFFF" XES functions are not available at all. This can be because the hardware necessary to provide XES function is not present.

Comment

Return codes for use within Contention Exit

End of Comment

0	(0)	X'0'	0	IXLRCCONTEXTCONTINUEMANAGEMENT	"0" Continue normal management.
0	(0)	X'4'	0	IXLRCCONTEXTSTOPMANAGEMENT	"4" No further calls to the contention exit should be made unless contention re-occurs. This would be used when notifications were requested, but all contention has ceased.
0	(0)	X'8'	0	IXLRCCONTEXTCALLAGAIN	"8" Indicates that the contention exit should be invoked again with the resource request queue updated to reflect actions (Grants, etc.) that were taken during the previous invocation of the exit. This should be used when the exit has a need to view the updated request queue and cannot wait for the normal means of doing so (i.e. arrival of a new request)
0	(0)	X'C'	0	IXLRCCONTEXTREBUILDDEFER	"12" Indicates that XES should not invoke the contention exit again for this resource on behalf of this instance of the structure until rebuild processing has completed. If this exit is executing on behalf of the new structure during the rebuild process (i.e. CeplRebuild=ON) then the exit will be restarted upon completion of rebuild processing (i.e. when this connector responds to the rebuild cleanup event by issuing IXLEERSP EVENT=REBUILDCLANUP). If this exit is executing on behalf the original structure during the rebuild process (CeplRebuildOrig=ON) then the exit will only be restarted if the rebuild is subsequently stopped. Specifically, it will be restarted after this connector confirms the rebuild stop by successfully issuing IXLEERSP EVENT=REBUILDSTOP. Note, any actions requested by the contention exit through manipulation of the action flags in the CEPL entries will be ignored when this return code is specified. Additionally, if a contention exit returns to XES with this return code during a period when rebuild is not in progress (i.e. CeplRebuild=OFF AND CeplRebuildOrig=OFF) then XES will issue an abend and terminate the connection

Comment

Return codes for use within Event Exit

End of Comment

0	(0)	X'0'	0	IXLRCEVENTEXITRESPONSE	"0" This return code indicates that the connector has confirmed an event presented to the event exit.
0	(0)	X'1'	0	IXLRCEVENTEXITRELEASECONN	"1" This return code indicates that the connector has confirmed a connection failed event or an existing connection event (failed persistent connection only) and has requested that the failed persistent connection be released. Setting this return code is equal to invoking the IXLEERSP service with the RELEASECONN=YES keyword.
0	(0)	X'8'	0	IXLRCEVENTEXITLATERESPONSE	"8" The Connector will issue IXLEERSP later.

Comment

Structure Types - External

End of Comment

....	..11	IXLSTRYPELIST	"X'03" List Structure - External
....	..1.	IXLSTRYPECACHE	"X'04" Cache Structure - External

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Mask for isolating the non-component-diagnostic portion of a reason code, to be ANDed with the return code provided by XES before comparing it to the BIT(32) constants declared in IXLYCON.					
End of Comment					
0	(0)	BITSTRING	0	IXLRSCODEMASK	"X'0000FFFF" Reason code mask
Comment					
IXLUSYNC completion code set by XES when a connector fails or disconnects when a response to an outstanding user sync point is owed.					
End of Comment					
0	(0)	BITSTRING	0	IXLUSYNCFAILEDUSERCOMPCode	"X'0000FFFF" IXLUSYNC completion code set by XES for failed user
Comment					
CFLEVEL constants					
End of Comment					
0	(0)	X'0'	0	IXLCFLEVEL0	"0" CFLEVEL 0
0	(0)	X'1'	0	IXLCFLEVEL1	"1" CFLEVEL 1
0	(0)	X'2'	0	IXLCFLEVEL2	"2" CFLEVEL 2
0	(0)	X'3'	0	IXLCFLEVEL3	"3" CFLEVEL 3
0	(0)	X'4'	0	IXLCFLEVEL4	"4" CFLEVEL 4
0	(0)	X'5'	0	IXLCFLEVEL5	"5" CFLEVEL 5
0	(0)	X'6'	0	IXLCFLEVEL6	"6" CFLEVEL 6
0	(0)	X'7'	0	IXLCFLEVEL7	"7" CFLEVEL 7
0	(0)	X'8'	0	IXLCFLEVEL8	"8" CFLEVEL 8
0	(0)	X'9'	0	IXLCFLEVEL9	"9" CFLEVEL 9
0	(0)	X'A'	0	IXLCFLEVEL10	"10" CFLEVEL 10
0	(0)	X'B'	0	IXLCFLEVEL11	"11" CFLEVEL 11
0	(0)	X'C'	0	IXLCFLEVEL12	"12" CFLEVEL 12
0	(0)	X'D'	0	IXLCFLEVEL13	"13" CFLEVEL 13
0	(0)	X'E'	0	IXLCFLEVEL14	"14" CFLEVEL 14
0	(0)	X'F'	0	IXLCFLEVEL15	"15" CFLEVEL 15
0	(0)	X'10'	0	IXLCFLEVEL16	"16" CFLEVEL 16
0	(0)	X'11'	0	IXLCFLEVEL17	"17" CFLEVEL 17
0	(0)	X'12'	0	IXLCFLEVEL18	"18" CFLEVEL 18
0	(0)	X'13'	0	IXLCFLEVEL19	"19" CFLEVEL 19

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXLSDWACOMU	
0	(0)	CHARACTER	5	IXLSDWACOMUCOMPID	Component ID 'SCIXL'
5	(5)	BITSTRING	1	IXLSDWACOMUFLAGS1	(0)
					First flags byte
		1...		IXLSDWACOMUREQASYNC	"X'80" The IXLLIST/IXLCACHE request is being processed asynchronously. The specified notification method will be used when the request completes.
		.1..		IXLSDWACOMUREQPURGED	"X'40" The IXLLIST/IXLCACHE request was purged. The request was not executed. This bit is only valid when the IxISdwaComuReqAsync bit is not set.
6	(6)	CHARACTER	2		Reserved
8	(8)	CHARACTER	1	IXLSDWACOMUEND	(0)
8	(8)	X'8'	0	IXLSDWACOMU_LEN	"*-IXLSDWACOMU"

IXLYCON Cross Reference

IXLYCON Cross Reference

Name	Hex Offset	Hex Value
IXLALGORITHMKEYPRIORITY1	0	1
IXLCFLEVEL0	0	0
IXLCFLEVEL1	0	1
IXLCFLEVEL10	0	A
IXLCFLEVEL11	0	B
IXLCFLEVEL12	0	C
IXLCFLEVEL13	0	D
IXLCFLEVEL14	0	E
IXLCFLEVEL15	0	F
IXLCFLEVEL16	0	10
IXLCFLEVEL17	0	11
IXLCFLEVEL18	0	12
IXLCFLEVEL19	0	13
IXLCFLEVEL2	0	2
IXLCFLEVEL3	0	3
IXLCFLEVEL4	0	4
IXLCFLEVEL5	0	5
IXLCFLEVEL6	0	6
IXLCFLEVEL7	0	7
IXLCFLEVEL8	0	8
IXLCFLEVEL9	0	9
IXLCONNMONITORSTORAGEENO	0	0
IXLCONNMONITORSTORAGEYES	0	1
IXLLOCKCRITICALREQUESTNO	0	0
IXLLOCKCRITICALREQUESTYES	0	1
IXLMODENORESPONSE	0	1
IXLMODESYNCEXIT	0	0
IXLMODESYNCFAIL	0	3
IXLMODESYNCSUSPEND	0	2
IXLMONITORCFREQRATE	0	1
IXLMONITORDEFAULT	0	0
IXLMONITORIXLREBLD	0	2
IXLRCCONTEXTCALLAGAIN	0	8
IXLRCCONTEXTCONTINUEMANAGEMENT	0	0
IXLRCCONTEXTREBUILDDEFER	0	C
IXLRCCONTEXTSTOPMANAGEMENT	0	4
IXLRCEVENTEXITLATERESPONSE	0	8
IXLRCEVENTEXITRELEASECONN	0	1
IXLRCEVENTEXITRESPONSE	0	0
IXLRETCODEALLEMPVAL	0	0
IXLRETCODEBUFNOTVALID	0	4
IXLRETCODEBUFVALID	0	0
IXLRETCODECOMPERROR	0	10
IXLRETCODECONNECTED	0	0
IXLRETCODEENVEERROR	0	C
IXLRETCODEINDXINVALID	0	8

Name	Hex Offset	Hex Value
IXLRETCODEINVALIDLEN	0	10
IXLRETCODEINVALIDTKN	0	C
IXLRETCODELESSTHAN	0	4
IXLRETCODELSTEMPTY	0	0
IXLRETCODELSTNONEMPTY	0	4
IXLRETCODEMODIFYDONE	0	0
IXLRETCODENOSTORAGE	0	8
IXLRETCODENOTCONNECTED	0	4
IXLRETCODEOK	0	0
IXLRETCODEPARMERROR	0	8
IXLRETCODESOMENEINV	0	4
IXLRETCODEWARNING	0	4
IXLRSNCODEALLOWALTER	0	C61
IXLRSNCODEALLOWREBLD	0	C52
IXLRSNCODEALREADYALTERING	0	427
IXLRSNCODEALREADYCALLED	0	80C
IXLRSNCODEALREADYOWNED	0	812
IXLRSNCODEALREADYPENDING	0	813
IXLRSNCODEALREADYREBUILDING	0	415
IXLRSNCODEALREADYSTOPPING	0	416
IXLRSNCODEALTERCFSTART	0	C77
IXLRSNCODEALTERNOTINPROG	0	C63
IXLRSNCODEALTERNOTPERMITTED	0	C6E
IXLRSNCODEALTERRATIOCHG	0	C62
IXLRSNCODEALTERSTOPINPROG	0	C66
IXLRSNCODEAREATOOSMALL	0	80D
IXLRSNCODEEASYNCH	0	402
IXLRSNCODEBADADJALET	0	83B
IXLRSNCODEBADAMDLEVEL	0	885
IXLRSNCODEBADANSALET	0	83C
IXLRSNCODEBADANSAREA	0	838
IXLRSNCODEBADANSLEN	0	83D
IXLRSNCODEBADAREA	0	80E
IXLRSNCODEBADAREALET	0	80F
IXLRSNCODEBADASCMODE	0	88A
IXLRSNCODEBADBOUNDARY	0	82C
IXLRSNCODEBADBUFKEY	0	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLRSNCODEBADBUFLIST	0	866	IXLRSNCODEBADLISTNUMBER	0	893
IXLRSNCODEBADBUFSIZE	0	867	IXLRSNCODEBADLOCKCOMP	0	847
IXLRSNCODEBADBUFSPEC	0	864	IXLRSNCODEBADLOCKINDEX	0	854
IXLRSNCODEBADCFLEVEL	0	865	IXLRSNCODEBADLRBTYPE	0	846
IXLRSNCODEBADCOBEG	0	881	IXLRSNCODEBADMAXCONN	0	877
IXLRSNCODEBADCOCLASS	0	82A	IXLRSNCODEBADMINCFLEVEL	0	857
IXLRSNCODEBADCOLOCKSTATE	0	82E	IXLRSNCODEBADMINEMC	0	89E
IXLRSNCODEBADCONID	0	81E	IXLRSNCODEBADMODEVAL	0	884
IXLRSNCODEBADCONNAME	0	817	IXLRSNCODEBADMONITORVAL	0	879
IXLRSNCODEBADCONTOKEN	0	80B	IXLRSNCODEBADMOSVECTOR	0	8B5
IXLRSNCODEBADDATAADDR	0	80A	IXLRSNCODEBADMOVETOKEY	0	880
IXLRSNCODEBADDATAALET	0	835	IXLRSNCODEBADMOVETOLIST	0	89C
IXLRSNCODEBADDATAOFFSET	0	83A	IXLRSNCODEBADMOVETOSKEY	0	84E
IXLRSNCODEBADELEMCHARORINCRNUM	0	8AB	IXLRSNCODEBADMRDLEVEL	0	89D
IXLRSNCODEBADELEMNUM	0	88B	IXLRSNCODEBADNEPL	0	8A8
IXLRSNCODEBADEMCSTGPCT	0	86A	IXLRSNCODEBADNONPGBLATTR	0	815
IXLRSNCODEBADENTRYID	0	883	IXLRSNCODEBADNSBAREA	0	834
IXLRSNCODEBADENTRYIDTYPE	0	843	IXLRSNCODEBADNUMNAMES	0	875
IXLRSNCODEBADENTRYIDVALUE	0	88D	IXLRSNCODEBADPARITY	0	830
IXLRSNCODEBADENTRYLIST	0	890	IXLRSNCODEBADPARMLIST	0	82F
IXLRSNCODEBADENTRYNAME	0	840	IXLRSNCODEBADPARMLISTALET	0	801
IXLRSNCODEBADENTRYVERSION	0	841	IXLRSNCODEBADPGBLATTR	0	802
IXLRSNCODEBADEXTRESTOKEN	0	83F	IXLRSNCODEBADREADADJDATA	0	833
IXLRSNCODEBADFUNCTION	0	887	IXLRSNCODEBADREADTYPE	0	40D
IXLRSNCODEBADGETCLOCK	0	87E	IXLRSNCODEBADREALADDR	0	822
IXLRSNCODEBADHIGHSHAREDVIRT	0	8AC	IXLRSNCODEBADRECLVCTR	0	836
IXLRSNCODEBADID	0	8AD	IXLRSNCODEBADREFOPTION	0	868
IXLRSNCODEBADIDINDEX	0	844	IXLRSNCODEBADREQBUFFER	0	882
IXLRSNCODEBADKEYCOMPARE	0	82B	IXLRSNCODEBADREQCFLEVEL	0	878
IXLRSNCODEBADKEYCOMPARETYP	0	894	IXLRSNCODEBADREQNUM	0	C68
IXLRSNCODEBADKEYRANGEEND	0	89B	IXLRSNCODEBADREQTOKEN	0	876
IXLRSNCODEBADKEYSCANTYPE	0	891	IXLRSNCODEBADREQTOKENAREA	0	831
IXLRSNCODEBADKEYTYPE	0	898	IXLRSNCODEBADREQUEST	0	839
IXLRSNCODEBADKRNOTEMPTY	0	897	IXLRSNCODEBADRESET	0	886
IXLRSNCODEBADLISTAUTH	0	892	IXLRSNCODEBADRESTOKEN	0	848
IXLRSNCODEBADLISTKEYAREA	0	859	IXLRSNCODEBADRNAMELEN	0	849
IXLRSNCODEBADLISTNOTEMPTY	0	895	IXLRSNCODEBADRNLINDEX	0	87A

IXLYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLRSNCODEBADSCMALGORITHM	0	874	IXLRSNCODEDEFINE	0	828
IXLRSNCODEBADSKYCOMPARE	0	8B0	IXLRSNCODEDENIED	0	C11
IXLRSNCODEBADSKYREQTYPE	0	899	IXLRSNCODEDIRRATIO	0	C0F
IXLRSNCODEBADSTATE	0	89A	IXLRSNCODEDSNOTCREATED	0	860
IXLRSNCODEBADSTGCLASS	0	814	IXLRSNCODEDUMPINPROGRESS	0	C12
IXLRSNCODEBADSTGSTATS	0	82D	IXLRSNCODEDUMPSERHELD	0	C30
IXLRSNCODEBADSTRUCTURESIZE	0	869	IXLRSNCODEDUPALTER	0	C3B
IXLRSNCODEBADSSUSPENDOPTION	0	888	IXLRSNCODEDUPLEXCOMPLETE	0	C76
IXLRSNCODEBADSYNCFAILDELAY	0	8A9	IXLRSNCODEDUPLEXFAILURE	0	C72
IXLRSNCODEBADTCB	0	87C	IXLRSNCODEDUPLEXFEASIBLE	0	C9C
IXLRSNCODEBADUNLOCKVAL	0	805	IXLRSNCODEDUPLEXNOTPERMITTED	0	C75
IXLRSNCODEBADUSEREVENT	0	829	IXLRSNCODEDUPLICATEENTRYID	0	C6F
IXLRSNCODEBADUSERTEXT	0	858	IXLRSNCODEELEMNCRNUM	0	896
IXLRSNCODEBADVECTOROP	0	8B4	IXLRSNCODEELEMNUMMISMATCH	0	86B
IXLRSNCODEBADVERSION#	0	819	IXLRSNCODEENTRIESCHANGED	0	8AA
IXLRSNCODEBADVERSIONNUM	0	804	IXLRSNCODEENTRYRATIO	0	855
IXLRSNCODEBADWDLINDEX	0	804	IXLRSNCODEEXITCOND	0	861
IXLRSNCODEBADWORBAREA	0	874	IXLRSNCODEFORCECONNDELSTR	0	411
IXLRSNCODEBADWRITEADJDATA	0	87D	IXLRSNCODEFORCECONNPERSISTSTR	0	41A
IXLRSNCODEBADWRTSUPPRESSCNTL	0	837	IXLRSNCODEFORCESTRDELCONNS	0	C2F
IXLRSNCODEBUFFERFULL	0	8AF	IXLRSNCODEHALTCHANGEDDATA	0	41B
IXLRSNCODECALCULATIONOVERFLOW	0	40F	IXLRSNCODEHIGHCOEND	0	42A
IXLRSNCODECFLEVEL	0	889	IXLRSNCODEIGNOREFORREBUILDSTOP	0	40B
IXLRSNCODECFNOTACCESSIBLE	0	C53	IXLRSNCODEIGNOREFORSYSGDSTOP	0	41D
IXLRSNCODECFNOTINPOLICY	0	C98	IXLRSNCODEINCLEANUP	0	428
IXLRSNCODECOCLASSERR	0	C07	IXLRSNCODEINCOMPATNUMUSER	0	C3E
IXLRSNCODECOLOCKHELD	0	422	IXLRSNCODEINCOMPATSTATE	0	C24
IXLRSNCODECOMPUTEREJECTED	0	827	IXLRSNCODEINCONSISTENTPARM	0	826
IXLRSNCODECONACTIVE	0	88C	IXLRSNCODEINSUFFCFLEVELUSER	0	88E
IXLRSNCODECONNAME	0	C26	IXLRSNCODEINVALIDCFLEVEL	0	C9A
IXLRSNCODECONNAMEERR	0	81F	IXLRSNCODEINVALIDCOCLASS	0	86F
IXLRSNCODECONNNOTACTIVE	0	823	IXLRSNCODEINVALIDEVENT	0	85E
IXLRSNCODECONNNOTDEFINED	0	C40	IXLRSNCODEINVALIDLISTATTR	0	C42
IXLRSNCODECONNOTINPOL	0	C3F	IXLRSNCODEINVALIDSTGCLASS	0	85C
IXLRSNCODECONNPENDINGRECONCIL	0	C23	IXLRSNCODEINVALIDVECTORLEN	0	85D
IXLRSNCODECONNPVENTED	0	C33	IXLRSNCODEINVLISTINDEX	0	85F
IXLRSNCODECOUNCHANGED	0	C09	IXLRSNCODEJOINFAILED	0	853

Name	Hex Offset	Hex Value
IXLRSNCODELISTFULL	0	C04
IXLRSNCODELOCALREGWRTSUPPRESS	0	C18
IXLRSNCODELOCKCOND	0	42C
IXLRSNCODELOCKHELDBYSYS	0	410
IXLRSNCODELOCKNOTHELD	0	412
IXLRSNCODEMASK	0	40E
IXLRSNCODEMASTERAS	0	FFFF
IXLRSNCODEMAXCONNECTAS	0	808
IXLRSNCODEMAXELEMNUM	0	C15
IXLRSNCODEMAXELEMNUMELEMCHAR	0	862
IXLRSNCODEMAXLISTKEY	0	871
IXLRSNCODEMINELEMENT	0	83E
IXLRSNCODEMINENTRY	0	873
IXLRSNCODEMINIMUMCOUNT	0	872
IXLRSNCODEMOREDATA	0	8BB
IXLRSNCODENOACTIVECONNS	0	404
IXLRSNCODENOADJUNCTDATA	0	C35
IXLRSNCODENOALTERCF	0	40C
IXLRSNCODENOCOONN	0	C60
IXLRSNCODENOCOONNDDUPLEXNEWSTR	0	C06
IXLRSNCODENOCOONNDDUPLEXOLDSTR	0	C0C
IXLRSNCODENODELAY	0	CA1
IXLRSNCODENODELETEONRELEASE	0	C69
IXLRSNCODENOELEMENTTOKEEP	0	424
IXLRSNCODENOENTRY	0	418
IXLRSNCODENOFAC	0	825
IXLRSNCODENOKEYS	0	C08
IXLRSNCODENOLENTRIES	0	84A
IXLRSNCODENOLISTHDRS	0	81B
IXLRSNCODENOLISTVECTOR	0	81C
IXLRSNCODENOLOCKS	0	852
IXLRSNCODENOLOCKSHELD	0	84B
IXLRSNCODENOMORECONNS	0	41F
IXLRSNCODENOMORERTES	0	C02
IXLRSNCODENONAMES	0	406
IXLRSNCODENORCLVCTR	0	845
IXLRSNCODENOREADDATA	0	832

Name	Hex Offset	Hex Value
IXLRSNCODENORTENTRY	0	40A
IXLRSNCODENORTE EXISTS	0	81A
IXLRSNCODENOSAFAUTH	0	816
IXLRSNCODENOSCM DATA	0	84C
IXLRSNCODENOSTRDUMP	0	430
IXLRSNCODENOSTRFOUND	0	C4D
IXLRSNCODENOSUCHCONNECTION	0	425
IXLRSNCODENOSUSPENDISABLE	0	C2A
IXLRSNCODENOTAVAILABLE	0	851
IXLRSNCODENOTAVAILABLE16	0	FFFFFF
IXLRSNCODENOTDISABLED	0	FFFF
IXLRSNCODENOTDUPLEXESTAB	0	85A
IXLRSNCODENOTENABLED	0	C71
IXLRSNCODENOTLASTCONFIRMATION	0	807
IXLRSNCODENOTLOCKSTR	0	417
IXLRSNCODENOTREBUILDING	0	818
IXLRSNCODENOUPTDATEONKEEP	0	C3D
IXLRSNCODENOVARRNAME	0	419
IXLRSNCODEOLDGLOBALMANAGERINSTANCE	0	87B
IXLRSNCODEOWNINGRESOURCES	0	C10
IXLRSNCODEPASNEXCEEDED	0	401
IXLRSNCODEPENDING	0	C16
IXLRSNCODEPERSISTENTLOCK	0	41C
IXLRSNCODEPRIMARYNOTHOME	0	842
IXLRSNCODEQUIESCEDSUSPENDFAIL	0	809
IXLRSNCODERCLVCTRNOTSET	0	CA0
IXLRSNCODEREBLDINSUFFCONN	0	414
IXLRSNCODEREBLDNOBETTERCONN	0	C6B
IXLRSNCODEREBLDNOOTHER	0	C6A
IXLRSNCODEREBLDBADCONN	0	C67
IXLRSNCODEREBUILDCFNAMEXCFSIGSTR	0	C45
IXLRSNCODEREBUILDCOMPLETE	0	C6C
IXLRSNCODEREBUILDCONNECT	0	C46
IXLRSNCODEREBUILDCONNECTNOPREF	0	C3C
IXLRSNCODEREBUILDCONNECTSTOP	0	C50
IXLRSNCODEREBUILDCONNECTSSTOP	0	C4E
IXLRSNCODEREBUILDCONNEXISTS	0	C44
IXLRSNCODEREBUILDCONNPHASE	0	C44

IXLYCON Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IXLRNSCODEREBUILDDEERSPIGNORED	0	C47	IXLRNSCODESTRNOTALLOCATED	0	C17
IXLRNSCODEREBUILDINPROGRESS	0	C49	IXLRNSCODESTRNOTINPOLICY	0	C0A
IXLRNSCODEREBUILDNOTPERMITTED	0	C51	IXLRNSCODESTRSERIAL	0	C05
IXLRNSCODEREBUILDPOPCFALLOCNOTPERMITTED	0	C4A	IXLRNSCODESTRSZEMAX	0	821
IXLRNSCODEREBUILDPOPCFDELETEPENDING	0	C88	IXLRNSCODESTRTYPE	0	86D
IXLRNSCODEREBUILDPOPCFFAILED	0	C86	IXLRNSCODESTRUCTUREERR	0	820
IXLRNSCODEREBUILDPOPCFINCLEANUP	0	C84	IXLRNSCODESTRUCTUREFAIL	0	423
IXLRNSCODEREBUILDPOPCFINMAINTMODE	0	C85	IXLRNSCODESUBJCONNNOTDEFINED	0	426
IXLRNSCODEREBUILDPOPCFINPROGRESS	0	C87	IXLRNSCODESUBJCONNNOTFAILING	0	C48
IXLRNSCODEREBUILDPOPCFNOSTRUCTS	0	C80	IXLRNSCODESUPERSEDED	0	C6D
IXLRNSCODEREBUILDPOPCFNOTINPROGRESS	0	C83	IXLRNSCODESYNCHBADSTATE	0	C0D
IXLRNSCODEREBUILDVECTORLEN	0	C81	IXLRNSCODESYNCHRTNOTDELETED	0	811
IXLRNSCODERECORDLISTATTR	0	870	IXLRNSCODESYNCHRTNOTDELETED	0	41E
IXLRNSCODEREQNOTCOMP	0	85B	IXLRNSCODESYSMGDBADSTARTREASON	0	C95
IXLRNSCODEREQPURGED	0	413	IXLRNSCODESYSMGDCOMPLETENOTPERMITTED	0	C97
IXLRNSCODEREQUESTNOTEXPECTED	0	C13	IXLRNSCODESYSMGDLOSSCONN	0	C96
IXLRNSCODERESERVEDNOT0	0	C46	IXLRNSCODESYSMGDNOHISTORY	0	C9B
IXLRNSCODERESOURCENOLONGEROWNED	0	803	IXLRNSCODESYSMGDNOTSUPPORTEDCDS	0	C99
IXLRNSCODERESOURCENOTFOUND	0	C4C	IXLRNSCODESYSMGDNOTSUPPORTEDCONN	0	C94
IXLRNSCODERESOURCESCONSTRAINED	0	810	IXLRNSCODESYSMGDNOTSUPPORTEDSTR	0	C92
IXLRNSCODERSPNOTREC	0	C20	IXLRNSCODESYSMGDREQUESTNOTPERMITTED	0	C97
IXLRNSCODERTENOTFOUND	0	C27	IXLRNSCODESYSMGDRESPONSENOTPERMITTED	0	C91
IXLRNSCODERTFULL	0	408	IXLRNSCODESYSMGDSTRPREFLIST	0	C93
IXLRNSCODESPECIALCONN	0	C0B	IXLRNSCODESYSMGDXCFERROR	0	100B
IXLRNSCODESRBMODE	0	407	IXLRNSCODETASKTERM	0	863
IXLRNSCODESTATUSUNKNOWN	0	806	IXLRNSCODETIMEOUT	0	409
IXLRNSCODESTGCLASSERR	0	C14	IXLRNSCODETIMERNOTSET	0	C19
IXLRNSCODESTILLACTIVECONN	0	421	IXLRNSCODEUNEXPECTEDRESPONSE	0	C41
IXLRNSCODESTOPINPROGRESS	0	C28	IXLRNSCODEUSABLECF	0	C0E
IXLRNSCODESTOPPINGDIRECTION	0	C36	IXLRNSCODEUSEREVENTMISMATCH	0	C37
IXLRNSCODESTORAGECLASSMEMORYINUSE	0	C74	IXLRNSCODEUSERMISMATCH	0	C38
IXLRNSCODESTRALTERNOTALLOW	0	CA2	IXLRNSCODEUSYNCEVENTNOTSET	0	C4B
IXLRNSCODESTRALTERRESTRICT	0	C64	IXLRNSCODEUSYNCEVENTSET	0	420
IXLRNSCODESTRALTERSCM	0	C65	IXLRNSCODEUSYNCEVENTSET	0	C4F
IXLRNSCODESTRFAILED	0	CA3	IXLRNSCODEVALUEOUTOFRANGE	0	8B1
IXLRNSCODESTRFAILURE	0	C73	IXLRNSCODEWARNINGCFLEVEL	0	431
IXLRNSCODESTRFULL	0	C25	IXLRNSCODEWRONGREBUILDTYPE	0	C70
			IXLRNSCODEWRONGSTRTYPE		

Name	Hex Offset	Hex Value
IXLRSNCODEXESFAIL	0	824
IXLRSNCODEXESNOTACTIVE	0	100A
IXLRSNCODEZEROLUSERS	0	C29
IXLSDWACOMU	0	81D
IXLSDWACOMU_LEN	8	8
IXLSDWACOMUCOMPID	0	
IXLSDWACOMUEND	8	
IXLSDWACOMUFLAGS1	5	
IXLSDWACOMUREQASYNC	5	80
IXLSDWACOMUREQPURGED	5	40
IXLSERVALTER	0	2
IXLSERVLOCK	0	1
IXLSERVREGRANT	0	4
IXLSERVUNLOCK	0	3
IXLSTATEEXCLUSIVE	0	2
IXLSTATEFREE	0	0
IXLSTATESHARED	0	1
IXLSTRYPECACHE	0	4
IXLSTRYPELIST	0	3
IXLSYNCFAILDELAYFORLATCHNO	0	0
IXLSYNCFAILDELAYFORLATCHYES	0	1
IXLUSYNCFAILEDUSERCOMPCODE	0	FFFF
IXLYCON_KEMCSTGPCTBADCFLEVEL	0	1
IXLYCON_KENTRYIDTYPEUSERBADCFLEVEL	0	4
IXLYCON_KKEEPRATIOSALLOCNO	0	4
IXLYCON_KKEEPRATIOSTYPELOCK	0	3
IXLYCON_KKEYTYPESECONDARYBADCFLEVEL	0	5
IXLYCON_KKEYTYPESECONDARYNOADJUNCT	0	1
IXLYCON_KLISTCNTLELEMENTNONE	0	2
IXLYCON_KNAMECLASSMASKBADCFLEVEL	0	3
IXLYCON_KSCMALGORITMLISTS	0	7
IXLYCON_KSCMALGORITHMNEEDSDATA	0	5
IXLYCON_KSCMALGORITHMNEEDSKEYS	0	6
IXLYCON_KSCMELEMENTCOUNTHIGH	0	3
IXLYCON_KSCMENTRYCOUNTHIGH	0	2
IXLYCON_KSCMMAXSIZEHIGH	0	1
IXLYCON_KSCMWARNINGCFLEVEL	0	1
IXLYCON_KUDFORDERBADCFLEVEL	0	2

IXLYCONA Information

IXLYCONA Programming Interface information

Programming Interface information

IXLYCONA

End of Programming Interface information

IXLYCONA Heading Information • IXLYCONA Map

IXLYCONA Heading Information

Common Name: Connect Answer Area
Macro ID: IXLYCONA
DSECT Name: CONA CONALOCKATTR CONALISTATTR CONACACHEATTR
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER-SUPPLIED
 Key: USER-SUPPLIED
 Residency: USER-SUPPLIED
Size: CONA -- X'03A8' bytes
 CONALOCKATTR -- X'0014' bytes
 CONALISTATTR -- X'0028' bytes
 CONACACHEATTR -- X'001C' bytes
Created by: Created by user and passed as a parameter using the ANSAREA keyword on the IXLCONN macro.
Pointed to by: Pointed to by the ANSAREA_ADDR field in the IXLCONN parameter list
Serialization: None required
Function: Contains all output from the Connect service

IXLYCONA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CONA	Connect Answer area
0	(0)	CHARACTER	4		Reserved
4	(4)	CHARACTER	16	CONACONTOKEN	Connect token that is output from IXLCONN.
20	(14)	CHARACTER	16	CONACONNAME	Name that uniquely identifies this connection to a structure. If a name was provided on connect, this field will equal that name, otherwise a generated name is returned.
36	(24)	CHARACTER	16		Reserved
52	(34)	SIGNED	4	CONADIAG0	See IXLCONN return/reason code documentation to determine whether the diag fields are valid for a particular non-zero return and reason code.
56	(38)	SIGNED	4	CONADIAG1	
60	(3C)	SIGNED	4	CONADIAG2	For reason code xxxx0881 and xxxx088E, ConaDiag2 will contain the sub-reason code as described in the IXLCONN macro under these reason codes.
64	(40)	CHARACTER	8	CONASTRUCTUREVERSION (0)	Structure Version Id
64	(40)	CHARACTER	8	CONAPHYSICALSTRUCTUREVERSION	Physical structure version number. Connectors who specified or defaulted to IXLCONN ALLOWAUTO=NO use this field to uniquely identify a physical instance of the structure. Connectors who specified IXLCONN ALLOWAUTO=YES must use this field, along with ConaPhysicalStructureVersion2, to identify a physical instance of the structure.
72	(48)	CHARACTER	4	CONACONNECTIONVERSION	Connection Version Id
76	(4C)	BITSTRING	1	CONACONID	Connection identifier.
77	(4D)	CHARACTER	3		Reserved
80	(50)	BITSTRING	4	CONAFLAGS (0)	Connection Status Flags. When a flag in this word is on, a return code of 4 and reason code of 'xxxx0407'x will be set by IXLCONN.
		1...		CONARECONNECTED	"X'80" The ConName specified on connect matched the conname of a failed persistent connection, The connection has been re-established.
		.1.		CONAREBUILD	"X'40" 1 => Rebuild is in progress for this structure. 0 => Rebuild is not in progress for this structure.
		..1.		CONAREBUILDSTOP	"X'20" 1 => Rebuild Stop or Stop Duplex is in progress for this structure. 0 => Rebuild Stop or Stop Duplex is not in progress for this structure.
		...1		CONAUSYNCEVENTSET	"X'10" 1 => A user sync point event is set. This user must provide a response via IXLUSYNC. 0 => A user sync point event is not set. This bit will not be set for a Connect with the rebuild keyword.
		.... 1...		CONAALTERINPROGRESS	"X'08" 1 => Alter is currently in progress for the structure. No action is required by this connection. Information concerning the alter request is provided in ConaAlterInfo. 0 => An alter is not in progress
84	(54)	BITSTRING	4	CONASTRUCTUREATTRFLAGS (0)	Structure attribute flags.
84	(54)	BITSTRING	1	CONASTRUCTUREATTRFLAGSB1 (0)	Byte 1 of structure attribute flags

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		CONASTRUCTUREDISP	"X'80" 1 => disposition is KEEP 0 => disposition is DELETE
		.1..		CONACONNALLOC	"X'40" This connection allocated the structure in the hardware. The structure is in an initialized state.
		..1.		CONACONNECTORCONNECTIVITY	"X'20" Flag only valid when a connect request fails due to lack of connectivity to the structure, i.e. with reason code IxlRsnCodeNoConn. 1 => there is at least one active connector to the structure who has connectivity to the structure, 0 => there are no active connectors to the structure who have connectivity to the structure
		...1		CONAIGNOREEXCLUSIONLIST	"X'10" Flag only valid when ConaConnAlloc is on. On => structure was allocated in a facility containing a structure in the exclusion list.
		.... 1...		CONANOTFULLCONNECTIVITY	"X'08" Flag only valid when ConaConnAlloc and ConaRebuild are on. On => Structure was not allocated in a facility in which all existing connections have connectivity.
		.... .1..		CONAVOLATILE	"X'04" On => structure is volatile. Off => structure is non-volatile.
		.... ..1.		CONAFAILUREISOLATED	"X'02" On => structure is allocated in a facility that is failure isolated from the connection. Off => structure is allocated in a facility that is not failure isolated from the connection.
85	(55)	BITSTRING	1	CONASTRUCTUREATTRFLAGSB2 (0)	Byte 2 of structure attribute flags
		1...		CONASYSMGDDUPEXED	"X'80" On => structure is duplexed by system-managed duplexing. Off => structure is not duplexed by system-managed duplexing. Valid only when the connector specifies ALLOWAUTO=YES.
		.1..		CONASYSMGDDUPEXEDFAILISOL	"X'40" On => the primary structure is failure isolated from the secondary structure. Off => the primary structure is not failure isolated from the secondary structure. Valid only when the connector specifies ALLOWAUTO=YES and ConaSysMgdDuplexed is on.
86	(56)	BITSTRING	1	CONASTRUCTUREATTRFLAGSB3 (0)	Byte 3 of structure attribute flags
		1...		CONASTRUCTURESMDUPESTAB	"X'80" Flag only valid when a connect request fails due to connections to structure are being prevented at this time, i.e. with reason code IxlRsnCodeConnPrevented. 1 => the structure is duplexed by system-managed process and is in the duplexed established phase. If the user specified or defaulted to ALLOWAUTO=NO on the connect, the connect will be prevented until such time when the structure becomes simplex. 0 => the structure is not in the duplexed established phase of a system-managed duplexing rebuild
87	(57)	BITSTRING	1	CONASTRUCTUREATTRFLAGSB4	Byte 4 of structure attribute flags
88	(58)	SIGNED	4	CONASTRUCTURETYPE	Type of structure. Constants with names of the form "XTYPE_nnnn" are defined by the list form of the IXLCONN macro for the different possible structure types.
92	(5C)	SIGNED	4	CONASTRUCTURESIZE	Actual structure size in 4K blocks. The actual structure size may be less than the requested size due to insufficient space in the preference list facilities.
96	(60)	SIGNED	4	CONAMAXSTRUCTURESIZE	Maximum structure size in 4K blocks saved at the time the structure was allocated.
100	(64)	CHARACTER	12	CONAVECTORTOKEN	Applicable for List and Cache structures. Always returned for Cache. May be zero for a list structure if list headers and event queue are not to be monitored.
112	(70)	SIGNED	4	CONAVECTORLEN	Actual Vector length. Applicable for List and Cache structures. Always returned for Cache. May be zero for a list structure if list headers and event queue are not to be monitored. The length of the vector may be less than or more than the requested size.
116	(74)	SIGNED	2	CONAACCESSTIME	Maximum time that connectors can tolerate not having access to the structure. Access will be denied when dump serialization is obtained on the structure by SVC Dump. The unit is tenths of seconds. This value is only valid when ConaAccessTimeNoLimit is off.
118	(76)	CHARACTER	1	CONAACCESSTIMEFLAGS	Reserved
119	(77)	CHARACTER	1	CONAACCESSTIMEFLAGS (0)	Reserved
		1...		CONAACCESSTIMENOLIMIT	

IXLYCONA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
120	(78)	CHARACTER	36	CONAUNIONAREA1 (0)	"X'80" 0=> the access time is defined by ConaAccessTime. 1 => the connector can tolerate not having access to the structure for an unlimited amount of time.
120	(78)	CHARACTER	36	CONAUSERSYNCPPOINTINFO (0)	Area mapped based on return code
120	(78)	SIGNED	4	CONAUSERSYNCPPOINTEVENT	User sync point information. User Sync point information is not returned for a connect with the rebuild keyword.
124	(7C)	CHARACTER	32	CONAUSERSYNCPPOINTUSERSTATE	User sync point event set by IXLUSYNC.
120	(78)	CHARACTER	36	CONACLEARLTBYXESINFO (0)	User state set by IXLUSYNC.
120	(78)	BITSTRING	1	CONACLEARLTBYXESFLAGS (0)	When return code 0000000C with reason code 02010C09 is returned for a lock structure with lock cleanup in progress by XES, ConaClearLTbyXESValid is on and additional information is provided.
		1...		CONACLEARLTBYXESVALID	Flags
		.1..		CONARECONNECTATTEMPT	"X'80" 1 => The return code 0000000C with reason code 02010C09 is returned for a lock structure with lock cleanup in progress by XES. The additional information is valid.
121	(79)	CHARACTER	3		"X'40" 1 => The ConName specified on connect matched the conname of a failed-persistent connection.
124	(7C)	CHARACTER	32	CONADISCFAILINGSTRING	Reserved
156	(9C)	SIGNED	4	CONAMINSTRUCTURESIZE	The string indicating the connections that are failing and still need to have a response to the disconnect. See ConaDiscFailedConfString for the composite string indicating the connections that still have to provide a response. The connection identifier is used for the bit position within the string. The string starts with bit position zero. For example, if connections with connection identifiers 1, 4, and 6 are represented in the string, the 1st byte would be '4A'X with all remaining bytes '00'X.
160	(A0)	SIGNED	4	CONAFPCONNNOTINPOLICY	Minimum control space required (in 4K blocks) to allocate the structure with the attributes specified. Note that the structure may be able to be allocated smaller than this, but if so the structure attributes such as entry/element ratio may differ substantially from those that were requested.
164	(A4)	SIGNED	4	CONAMVSRELEASEMAXCFLEVEL	Number of failed- persistent connections that are defined in the structure, but could not be reconstructed into the policy because the policy was too small. The Existing Connection event will not be presented for connections in this state. This situation only occurs when all systems fail, and the first system in the sysplex is re-ipld with a policy that supports a smaller number of connectors.
168	(A8)	SIGNED	4	CONAALLOCREQUESTEDSTRSIZE	Maximum Coupling Facility Operational level supported by this release of MVS
172	(AC)	CHARACTER	8	CONALOGICALSTRUCTUREVERSION	Structure size (in 4K blocks) requested when structure was allocated. This field is valid only when ConaConnAlloc is on. The ConaStructureSize contains the actual structure size. The actual structure size may be less than the requested size due to insufficient space in the preference list facilities.
180	(B4)	CHARACTER	4		Logical structure version. Used in conjunction with the physical version number to identify an instance of a structure. The value of this field is set equal to the physical version number when the structure is initially allocated. It changes when a process that allocates a new instance of the structure (for example, rebuild) is user-managed, but not when it is system-managed.
184	(B8)	CHARACTER	64	CONASTRUCTUREATTRIBUTES	Reserved
248	(F8)	CHARACTER	40	CONAREBUILDINFO (0)	This area is mapped by ConaListAttr for a list structure, ConaLockAttr for a lock structure, and ConaCacheAttr for a Cache structure.
248	(F8)	BITSTRING	1	CONAREBUILDSTARTREASON	Information for a connection that connects during rebuild: Information is valid when ConaRebuild or ConaRebuildStop is set and the IXLCONN REBUILD keyword is not specified.
249	(F9)	BITSTRING	1	CONAREBUILDSTOPREASON	Constants defined in IXL YEEPL. Reason specified on IXLREBLD REQUEST=START

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
250	(FA)	BITSTRING	1	CONAREBUILDFLAGS (0)	Constants defined in IXLVEEPL. Reason specified on IXLREBLD REQUEST=STOP.
		1... ..		CONAREBUILDPCONNS	flags "X'80" 1 => failed persistent connections existed at rebuild start. This includes connections that could not be reconciled into the policy because the policy was too small. 0 => no failed persistent connections at rebuild start.
		.1... ..		CONAREBUILDDUPLEX	"X'40" 1 => The rebuild currently in progress was started to create a duplex copy of the structure. 0 => The rebuild currently in progress was started for a non-duplexing rebuild.
		..1.		CONAREBUILDDUPLEXSWITCH	"X'20" 1 => A duplex rebuild switch is in progress to forward complete the duplex rebuild to the new structure. The connector will not receive a duplex rebuild switch event. 0 => A duplex rebuild switch is not in progress. This bit is only valid when ConaRebuildPhase= ConaRebuildPhaseDupEstab
251	(FB)	BITSTRING	1	CONAREBUILDPTLOSSCONN	Percent loss of connectivity associated with an MVS-initiated loss of connectivity rebuild
252	(FC)	SIGNED	4	CONASTARTRSNCONNECTORCODE	Valid when ConaRebuildStartReason is equal to EeplStartRsnConnector. The user code was specified on IXLREBLD REQUEST=START. The field is equivalent to EeplStartRsnConnectorCode.
256	(100)	SIGNED	4	CONASTOPRSNCONNECTORCODE	Valid when ConaRebuildStopReason is equal to EeplStopRsnConnector. The user code was specified on IXLREBLD REQUEST=STOP. The field is equivalent to EeplStopRsnConnectorCode.
260	(104)	CHARACTER	8	CONAREBUILDCART	Valid when the rebuild start reason is operator and ConaRebuild is on, or when the rebuild stop reason is operator and ConaRebuildStop is on.
268	(10C)	SIGNED	4	CONAREBUILDCONSID	Valid when the rebuild start reason is operator and ConaRebuild is on, or when the rebuild stop reason is operator and ConaRebuildStop is on.
272	(110)	BITSTRING	1	CONAREBUILDPHASE	Indicates what phase the rebuild was in when this connect occurred. This field is only valid when ConaRebuild is on. When ConaRebuild is on and ConaRebuildDuplex is off, the value of this field can only be ConaRebuildPhaseQuiesce. When ConaRebuild is on and ConaRebuildDuplex is on, the value of this field can be ConaRebuildPhaseQuiesce, or ConaRebuildPhaseConnect, or ConaRebuildPhaseDupEstab.
273	(111)	CHARACTER	15	CONAALTERINFO (0)	Reserved
288	(120)	CHARACTER	20		
288	(120)	BITSTRING	4	CONAALTERFLAGS (0)	Information concerning an alter request. This information is applicable only when ConaAlterInProgress is set
		1... ..		CONAALTERSIZE	"X'80" Indicates that a change in the structure size was requested
		.1..		CONAALTERRATIO	"X'40" Indicates that a change in the entry-to-element ratio was requested
		..1.		CONAALTERRATIOCHG	"X'20" Indicates whether current threshold composite permits the ratio to change via alter. on => indicates that the ratio can change.
		...1		CONAALTEREMCSTG	"X'10" Indicates that a change in the Event Monitor Controls storage percentage was requested. Applicable only to keyed list structures allocated in a coupling facility that supports CFLEVEL 4 or higher.
		.... .1..		CONAALTERCFSTART	"X'04" Indicates whether or not the alter is CF INITIATED. ON => indicates that the alter is CF INITIATED.
292	(124)	SIGNED	4	CONAALTERTARGETSIZE	Target size when a size change requested
296	(128)	SIGNED	2	CONAALTERENTRYRATIO	Entry portion of the entry-to-element ratio when a ratio change is requested.
298	(12A)	SIGNED	2	CONAALTERELEMENTRATIO	Element portion of the entry-to-element ratio when a ratio change is requested.
300	(12C)	BITSTRING	1	CONAALTERMINENTRY	The current composite of % of in-use entries that must be available when the alter completes.
301	(12D)	BITSTRING	1	CONAALTERMINELEMENT	

IXLYCONA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
302	(12E)	BITSTRING	1	CONAALTERNINEMC	The current composite of % of in-use elements that must be available when the alter completes.
303	(12F)	CHARACTER	1		The current composite of % of in-use EMC entries that must be available when the alter completes.
304	(130)	SIGNED	2	CONAALTEREMCSTGPCT	Reserved target percent of structure to be available for Event Monitor Controls when an EmcStgPct change is requested. Applicable only to keyed list structures, allocated in a coupling facility that supports CFLEVEL 4 or higher.
306	(132)	CHARACTER	2		Reserved
308	(134)	CHARACTER	32	CONADISCFIILEDCONFSTRING	When return code 0000000C with reason code 02010C27 is returned, contains a string indicating the connections that still have to respond to the disconnect of the previous instance of the connector. When return code 0000000C with reason code 02010C09 is returned and ConaClearLTbyXESValid is on, then XES is doing lock cleanup for the lock structure and this field contains a composite string of the connections that still have to respond to the disconnect of any previous instance of the connector(s). For reason code 02010C09, see ConaClearLTbyXESInfo. The connection identifier is used for the bit position within the string. The string starts with bit position zero. For example, if connections with connection identifiers 1, 4, and 6 are represented in the string, the 1st byte would be '4A'X with all remaining bytes '00'X.
340	(154)	CHARACTER	484	CONAFACILITYARRAY (0)	

Comment

ConaFacilityArray provides additional diagnostic information about unsuccessful attempts to allocate a structure. The data in the facility array is valid in two cases: 1) IXLCONN returns return code 0 and ConaConnAlloc is set 2) IXLCONN returns return code C, reason code xxxx0C08 because there were no suitable facilities in the preference list. The facility array is NOT in any particular order (i.e., the array is not in preference/exclusion list order). The array identifies facilities attempted and the reason the structure could not be allocated in the specified facility.

End of Comment

340	(154)	SIGNED	4	CONAFACILITYCOUNT	Count of the number of facilities attempted. this count indicates how many entries in the array are valid.
344	(158)	CHARACTER	60	CONAFACILITY (0)	
344	(158)	CHARACTER	60	CONAFACILITYENTRY (0)	
344	(158)	CHARACTER	8	CONAFACILITYNAME	Facility name
352	(160)	SIGNED	4	CONAFACILITYRSNCODE	Reason facility was not suitable. Constants defined below.
356	(164)	SIGNED	4	CONAFACILITYMINREQSIZE	Minimum apportionable structure size. This is the minimum number of 4K blocks of CF storage required to allocate a structure with the attributes specified on connect. This field is only valid when ConaFacilityRsnCode is ConaRsnInvalidStructureSize or ConaRsnInsufficientSpace. Note that it may be possible to allocate the structure smaller than this, but structure attributes such as the entry/element ratio may differ substantially from those that were requested.

Comment

Current space and model dependent limits for each facility.

End of Comment

360	(168)	CHARACTER	44	CONAFACILITYINFO (0)	Current CF space and model dependent limits
360	(168)	CHARACTER	20	CONAFACILITYINFOSPACE (0)	This information is valid only when ConaFacilityRsnCode is set to ConaRsnParameterError, ConaRsnInvalidStructureSize, or ConaRsnInsufficientSpace.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
360	(168)	SIGNED	4	CONAFACILITYTOTALSPACE	Total space in the facility in 4K blocks. (total space includes control and non-control space).
364	(16C)	SIGNED	4	CONAFACILITYTOTALCONTROLSPACE	Total control space in the facility in 4K blocks.
368	(170)	SIGNED	4	CONAFACILITYFREESPACE	Total free space in 4K blocks. (free space includes control and non-control space)
372	(174)	SIGNED	4	CONAFACILITYFREECONTROLSPACE	Free control space in 4K blocks.
376	(178)	SIGNED	2	CONAFACILITYSTORAGEINCREMENT	Storage increment size (in 4K blocks)
378	(17A)	BITSTRING	1	CONAFACILITYMAXELEMCHAR	Maximum element characteristic. The element size can be determined by the following formula: 256 times (2 to the power of CONAFACILITYMAXELEMCHAR)
379	(17B)	BITSTRING	1	CONAFACILITYUSERLIMIT	Model dependent limit for the number of users supported by the structure type specified on IXLCONN. This limit may be greater than the number of users permitted to connect to the structure, due to other constraints such as policy size.
380	(17C)	CHARACTER	12	CONAFACILITYINFODIAG (0)	
380	(17C)	SIGNED	4	CONADIAG3	Contents depend on the value of ConaFacilityRsnCode
384	(180)	SIGNED	4	CONADIAG4	Contents depend on the value of ConaFacilityRsnCode
388	(184)	SIGNED	4	CONADIAG5	Contents depend on the value of ConaFacilityRsnCode
392	(188)	SIGNED	4	CONAFACILITYCFLEVEL	Coupling facility level. This information is valid only when ConaFacilityRsnCode is set to ConaRsnParameterError, ConaRsnInvalidStructureSize, ConaRsnInsufficientSpace, ConaRsnNoConn, ConaRsnUnknown, ConaRsnFacilityFailure, or ConaRsnStrFailure

Comment

Facility Limits. The following are structure specific limits.

End of Comment

396	(18C)	CHARACTER	8	CONAFACILITYINFOLIMITS (0)	This information is valid only when ConaFacilityRsnCode is set to ConaRsnParameterError, ConaRsnInvalidStructureSize, or ConaRsnInsufficientSpace.
396	(18C)	SIGNED	4	CONAFACILITYMAXLISTHEADER	List structure only. Max number of list headers.
400	(190)	BITSTRING	1	CONAFACILITYMAXSTORAGECLASS	Cache structure only. Max number of storage classes.
401	(191)	BITSTRING	1	CONAFACILITYMAXLOCKUSERS	Max number of users supported for a lock structure based on the model dependent limit for the width of a lock entry. This value may be greater than the actual number of users that can connect to the structure, due to other constraints such as policy size.
402	(192)	SIGNED	2	CONAFACILITYMAXCASTOUTCLASS	Cache structure only. Max number of cast out classes.

Comment

Current space and model dependent limits for the facility that the structure was allocated in. This information is returned regardless of whether ConaConnAlloc is set or not. This information is current rather than from the time the structure was allocated.

End of Comment

824	(338)	CHARACTER	44	CONACFACILITYINFO (0)	The following information is about the structure and the facility in which the structure is currently allocated.
824	(338)	SIGNED	4	CONACFACILITYTOTALSPACE	Total space in the facility in 4K blocks. (total space includes control and non-control space).
828	(33C)	SIGNED	4	CONACFACILITYTOTALCONTROLSPACE	Total control space in the facility in 4K blocks.

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
832	(340)	SIGNED	4	CONACFACILITYFREESPACE	Total free space in 4K blocks. (free space includes control and non-control space)
836	(344)	SIGNED	4	CONACFACILITYFREECONTROLSPACE	Free control space in 4K blocks.
840	(348)	SIGNED	2	CONACFACILITYSTORAGEINCREMENT	Storage increment size (in 4K blocks)
842	(34A)	BITSTRING	1	CONACFACILITYMAXELEMCHAR	Maximum element characteristic. The element size can be determined by the following formula: 256 times (2 to the power of CONAFACILITYMAXELEMCHAR)
843	(34B)	BITSTRING	1	CONACFACILITYUSERLIMIT	Maximum number of users supported by the allocated structure based on the model dependent limit of the coupling facility. This limit may be greater than the number of users permitted to connect to the structure, due to other constraints such as policy size.
844	(34C)	SIGNED	4	CONACFACILITYCFLEVEL	Coupling facility operational level. The level of operations that can be performed against this structure. The connector must not perform operations against this structure that require a coupling facility level greater than ConaCFacilityCFLevel or ConaMVSReleaseMaxCFLevel, whichever is less.
848	(350)	CHARACTER	8	CONACFACILITYNAME	Coupling facility name at time of connect. This may be changed later by policy switch
856	(358)	CHARACTER	4		Reserved
Comment					
Facility Limits. The following are structure specific limits.					
End of Comment					
860	(35C)	SIGNED	4	CONACFACILITYMAXLISTHEADER	List structure only. Max number of list headers.
864	(360)	BITSTRING	1	CONACFACILITYMAXSTORAGECLASS	Cache structure only. Max number of storage classes.
865	(361)	BITSTRING	1	CONACFACILITYMAXLOCKUSERS	Max number of users supported for a lock structure based on the model dependent limit for the width of a lock entry. This value may be greater than the actual number of users that can connect to the structure, due to other constraints such as policy size.
866	(362)	SIGNED	2	CONACFACILITYMAXCASTOUTCLASS	Cache structure only. Max number of cast out classes.
868	(364)	SIGNED	4	CONADIAG6	
872	(368)	SIGNED	4	CONADIAG7	
876	(36C)	SIGNED	4	CONADIAG8	
880	(370)	SIGNED	4	CONADIAG9	
884	(374)	SIGNED	4	CONADIAG10	
888	(378)	CHARACTER	8	CONAPHYSICALSTRUCTUREVERSION2	2nd physical structure version number. Applicable only for connectors who specified IXLCONN ALLOWAUTO=YES. This field, along with ConaPhysicalStructureVersion, uniquely identifies a physical instance of the structure.
896	(380)	SIGNED	4	CONADIAG11	Will be filled in when the allocated structure is allocated at a size smaller than MINSIZE. This will only be filled in when ConaFacilityRsnCode is set to ConaRsnInsufficientSpace
900	(384)	CHARACTER	4		Reserved
904	(388)	SIGNED	8	CONAESTIMATEDMAXENTRIES	Estimated max number of entries supported by the structure. Using both real storage and storage-class memory, at most this number of entries can be allocated to the structure. This count is, at best, only substantially accurate. Connectors must not rely on exactly this number of entries being available for use. Zero when storage-class memory will not be associated with the structure.
912	(390)	SIGNED	8	CONAESTIMATEDMAXELEMENTS	Estimated max number of elements supported by the structure. Using both real storage and storage-class memory, at most this number of elements can be allocated to the structure. This count is, at best, only substantially accurate. Connectors must not rely on exactly this number of elements being available for use. Zero when storage-class memory will not be associated with the structure.
920	(398)	CHARACTER	16		Reserved
920	(398)	X'0'	0	CONARNSUCCESS	"0" Reason: Structure was successfully allocated in the facility.
920	(398)	X'1'	0	CONARSNNOCONNPOLICY	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
920	(398)	X'2'	0	CONARSNFACILITYNOTINPOLICY	"1" Reason: Active policy indicates that this system does not have connectivity to the facility. Action: Physical connectivity must be re-established. Then re-issue the connect request again. See message IXC518I for possible explanations of why the system does not have connectivity to the coupling facility.
920	(398)	X'3'	0	CONARSNNOCONN	"2" Reason: The facility is not defined in the active policy. Action: Verify that the set of facilities actually in use in the sysplex is correct and matches the administrative policy most recently activated.
920	(398)	X'4'	0	CONARSNFACILITYFAILURE	"3" Reason: Connectivity to the facility has been lost. Action: Physical connectivity must be re-established. Then re-issue the connect request again.
920	(398)	X'5'	0	CONARSNSTRFAILURE	"4" Reason: Facility has failed.
920	(398)	X'6'	0	CONARSNPARAMETERERROR	"5" Reason: Structure failed during the allocate processes.
920	(398)	X'7'	0	CONARSNINVALIDSTRUCTURESIZE	"6" Reason: The structure attributes were inconsistent with the model dependent attributes of the facility. Action: Change the attributes of the structure based on the model dependent limits returned for each facility.
920	(398)	X'8'	0	CONARSNALLOCTNOTPERMITTED	"7" Reason: Structure size specified was too small to allocate the structure with the attributes specified. This may be the result of the initial allocation size being too small to accommodate the maximum structure and/or the maximum storage-class memory associated with the structure. One possible scenario is that the initial structure size was calculated based on a CF with a CFLEVEL different from where the structure was allocated previously. ConaFacilityMinReqSize is set to the minimum storage required to allocate the structure in this facility with the requested attributes. Action: Increase the structure size specified on IXLCONN, or increase the initial size in the CFRM policy.
920	(398)	X'9'	0	CONARSNXCFCOMPERROR	"8" Reason: New structures cannot be allocated in the facility according to the active policy. Reasons: the coupling facility is being removed from the active policy, the coupling facility has failed, the coupling facility is in the policy reconciliation process, or the coupling facility is in maintenance mode.
920	(398)	X'A'	0	CONARSNUNKNOWN	"9" Reason: XCF component error. Action: Call IBM Service.
920	(398)	X'B'	0	CONARSNINSUFFICIENTSPACE	"10" Reason: Unknown hardware error: Call IBM Service.
920	(398)	X'C'	0	CONARSNREBLDOTHER	"11" Reason: There was not sufficient space in the facility to allocate the structure. ConaFacilityMinReqSize is set to the minimum storage required to allocate the structure in this facility with the requested attributes. Action: Make sure there is a facility in the preference list with sufficient space.
920	(398)	X'D'	0	CONARSNREBLDUSERSTOOSMALL	"12" Reason: Location= other was specified on rebuild request or defaulted to for STARTREASON=LOSSCONN or REQUEST=STARTDUPLEX requests. Since the original structure was allocated in this facility, this facility was not used when trying to allocate the new structure for rebuild. Action: Make sure there is another suitable facility in the preference list.
920	(398)	X'E'	0	CONARSNINSUFFCONNECTIVITY	"13" Reason: Facility was not selected for a rebuild connect request because the facility does not support a number of users greater than or equal to the highest connection ID for the original structure.
920	(398)	X'F'	0	CONARSNPREFERREDCFSELECTED	"14" Reason: Facility was not selected because it did not provide the required facility connectivity, as specified by the CONNECTIVITY= specification.
920	(398)	X'10'	0	CONARSNREBLDDUPLEXOTHER	"15" Reason: Facility was not selected because a more preferable facility was already selected
920	(398)	X'11'	0	CONARSNFACILITYPOPCFNOTSUITABLE	"16" Reason: A previous duplexing rebuild was stopped by an operator, the CFRM policy specified DUPLEX(ENABLED) for this structure and CFRM reduplexed (or attempted to reduplex) the structure. It could not be placed in this facility because the operator requested that it be moved out of the facility by stopping the previous rebuild. Action: Make sure there is another suitable facility in the preference list.
920	(398)	X'12'	0	CONARSNIMPLIEDREBLDOTHER	"17" Reason: Facility was not selected because it was not as suitable a location for the structure, as its current location
					"18" Reason: Facility was not selected because it holds the rebuild old structure, and since there is no policy chg pending, the rebuild assumes that a MOVE of the structure is required

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
920	(398)	X'13'	0	CONARSNINSUFFCFLEVELUSER	"19" Reason: The coupling facility CFLEVEL was not at or above the minimum required for an original connector or for the current set of active and failed-persistent rebuild connectors.
920	(398)	X'14'	0	CONARSNINSUFFCFLEVELMVS	"20" Reason: Facility was not at or above the minimum required CF level to support the MVS managed process doing the rebuild.
920	(398)	X'15'	0	CONARSNINSUFFUSERLIMIT	"21" Reason: Facility was not selected because it does not support as many connectors as its current location.
920	(398)	X'16'	0	CONARSNSTRLIMITSTOOSMALL	"22" Reason: Facility was not selected because its structure limits (e.g., number of castout classes, storage classes, list headers, or lock users) are less than those in use in the old structure
920	(398)	X'17'	0	CONARSNBADALLOCATERESULTS	"23" Reason: An attempt to allocate a structure in the facility resulted in a structure with attributes (e.g., size or object counts) less suitable than the old structure
920	(398)	X'18'	0	CONARSNCOMPUTEDSIZEINVALID	"24" Reason: When the structure size was computed from the required object counts (eg. entries, elements, list headers, etc), the operation failed, or it returned a computed maximum structure size that was larger than the policy-specified SIZE value, plus a toleration amount.
920	(398)	X'19'	0	CONARSNNOPEERCONNPRISEC	"25" Reason: For a system-managed duplexing rebuild, the CF containing the rebuild old structure did not have connectivity (via CF-to-CF link) to this CF.
920	(398)	X'1A'	0	CONARSNNOPEERCONNSECPRI	"26" Reason: For a system-managed duplexing rebuild, this CF did not have connectivity (via CF-to-CF link) to the CF containing the Rebuild old structure.
920	(398)	X'1B'	0	CONARSNPREFERRED1	"27" Reason: Reserved for IBM use.
920	(398)	X'1C'	0	CONARSNPREFERRED2	"28" Reason: Reserved for IBM use.
920	(398)	X'1D'	0	CONARSNNOFREESID	"29" Reason: No SID available
920	(398)	X'1E'	0	CONARSNINSUFFSCM	"30" Reason: Reserved for IBM use.
920	(398)	X'1F'	0	CONARSNCOMPUTEDCOUNTS	"31" Reason: Reserved for IBM use.

Comment

Constants for ConaRebuildPhase

End of Comment

920	(398)	X'1'	0	CONAREBUILDPHASEQUIESCE	"1" The structure is in the Rebuild Quiesce phase. The connector will not receive the rebuild quiesce event. The connector is responsible for responding with IXLEERSP REBLDQUIESCE.
920	(398)	X'2'	0	CONAREBUILDPHASECONNECT	"2" The structure is in the Rebuild Connect phase. The connector will not receive the rebuild quiesce event nor the rebuild connect event. The connector is responsible for issuing IXLCONN REBUILD and responding with IXLREBLD COMPLETE.
920	(398)	X'5'	0	CONAREBUILDPHASEDUPSTAB	"5" The structure is in the Duplexing Established phase. The connector will not receive the rebuild quiesce event nor the rebuild connect event nor the rebuild duplex established event. The connector is responsible for issuing IXLCONN REBUILD. The connector is not required to issue IXLREBLD COMPLETE. If ConaRebuildDuplexSwitch is also on, then the connector is responsible for issuing IXLREBLD DUPLEXCOMPLETE.
920	(398)	X'3A8'	0	CONA_LEN	""-CONA"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CONALOCKATTR	
0	(0)	BITSTRING	1	CONALOCKFLAGS	
		1...		(0) CONALOCKRECORD	"X'80" 0 => No record entries, 1 => record entries allocated
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	CONALOCKNUMUSERS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	SIGNED	4	CONALOCKENTRIES	Number of users supported.
12	(C)	SIGNED	4	CONALOCKRECORDELEMENTS	Number of lock entries.
16	(10)	SIGNED	4	CONALOCKMAXRECORDELEMENTS	Actual number of record elements in use at the time of connect. Valid only if record elements are present in the structure
16	(10)	X'14'	0	CONALOCKATTR_LEN	Max number of record elements supported by the structure. Valid only if record elements are present in the structure. This count is only substantially accurate. Connectors must not rely on exactly this number of record data elements being available for use.
					**_CONALOCKATTR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CONALISTATTR	
0	(0)	BITSTRING	1	CONALISTFLAGS	
		1...		CONALISTCONTROL	"X'80" 0 => List counts kept on an entry basis, 1 => List counts kept on an element basis.
		.1..		CONALISTLOCK	"X'40" 0 => No Lock entries, 1 => Lock entries
		..1.		CONALISTDATA	"X'20" 0 => No data elements, 1 => data elements
		...1		CONALISTADJ	"X'10" 0 => No adjunct, 1 => adjunct
		.... 1..		CONALISTNAMESUPPORT	"X'08" 0 => No Name support, 1 => Name support.
		.... .1..		CONALISTKEYSUPPORT	"X'04" 0 => No Key support, 1 => Key Support.
		.... ..1.		CONALISTSECONDARYKEYSUPPORT	"X'02" 0 ==> No secondary key support 1 ==> secondary key support CFLEVEL >= 9
1	(1)	CHARACTER	1		Reserved
2	(2)	BITSTRING	1	CONALISTELEMENCRNUM	Data element increment number. The data element size is determined from the following formula: 256 times CONALISTELEMENCRNUM. Valid only if data elements are supported by the structure
3	(3)	BITSTRING	1	CONALISTELEMCHAR	Data element characteristic. The data element size is determined from the following formula: 256 times (2 to the power of CONALISTELEMCHAR). Valid only if data elements are supported by the structure
4	(4)	SIGNED	4	CONALISTMAXELEMNUM	Maximum number of data elements per entry. Valid only if data elements are supported by the structure.
8	(8)	SIGNED	4	CONALISTHEADERS	List header count
12	(C)	SIGNED	4	CONALISTLOCKENTRIES	Number of lock entries
16	(10)	SIGNED	4	CONALISTELEMENTCOUNT	Number of data elements in use at the time of connect. This count includes the number of list elements for the structure that currently reside in coupling facility real and storage class memory. Valid only if data elements are supported by the structure.
20	(14)	SIGNED	4	CONALISTMAXELEMENTCOUNT	Max number of data elements supported by the real storage allocated to the structure. See ConaEstimatedMaxElements for the total that may be allocated to the structure (including both elements in real storage and storage-class memory). Valid only if data elements are supported by the structure. This count is only substantially accurate. Connectors must not rely on exactly this number of elements being available for use.
24	(18)	SIGNED	4	CONALISTENTRYCOUNT	Number of entries in use at the time of connect. This count includes the number of list entries for the structure that currently reside in coupling facility real and storage class memory.
28	(1C)	SIGNED	4	CONALISTMAXENTRYCOUNT	Max number of entries supported by the real storage allocated to the structure. See ConaEstimatedMaxEntries for the total that may be allocated to the structure (including both elements in real storage and storage-class memory). This count is only substantially accurate. Connectors must not rely on exactly this number of entries being available for use.
32	(20)	SIGNED	4	CONALISTEMCCOUNT	

IXLYCONA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
36	(24)	SIGNED	4	CONALISTMAXEMCCOUNT	Number of Event Monitor Controls objects in use at time of connect. Applicable only to keyed list structure allocated in a coupling facility that supports CFLEVEL 3 or higher.
36	(24)	X'28'	0	CONALISTATTR_LEN	Maximum possible number of Event Monitor Controls objects in the structure. Applicable only to keyed list structure allocated in a coupling facility that supports CFLEVEL 3 or higher. **_CONALISTATTR"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CONACACHEATTR	
0	(0)	SIGNED	4	CONACACHEDIRENTRYCOUNT	Directory entry count. Count of the number of entries supported in this structure. This count is only substantially accurate. Connectors must not rely on exactly this number of entries being available for use.
4	(4)	SIGNED	4	CONACACHEMAXELEMENTCOUNT	Max number of data elements supported by the structure. Nonzero only if data elements are supported by the structure. This count is only substantially accurate. Connectors must not rely on exactly this number of elements being available for use.
8	(8)	BITSTRING	1	CONACACHEFLAGS (0)	
		1...		CONACACHEADJUNCT	"X'80" 0 => No adjunct, 1 => adjunct
		.1...		CONACACHEUDFORDER	"X'40" 0 => No UDF order queue, 1 => UDF order queue is maintained for each castout class. This information is returned only when the structure is allocated in a CFLEVEL 5 or higher facility.
9	(9)	BITSTRING	1	CONACACHEMAXSTGCLASS	Maximum storage class value
10	(A)	SIGNED	2	CONACACHEMAXCOCLASS	Maximum castout-class value
12	(C)	BITSTRING	1	CONACACHEELEMCHAR	Data element characteristic. The data element size is determined from the following formula: 256 times (2 to the power of CONACACHEELEMCHAR). Valid only if data elements are supported by the structure
13	(D)	BITSTRING	1	CONACACHEELEMCRNUM	Data element increment number. The data element size is determined from the following formula: 256 times CONACACHEELEMCRNUM. Valid only if data elements are supported by the structure
14	(E)	BITSTRING	2	CONACACHENAMECLASSMASK	Name class mask. Applicable only to structures allocated in a CFLEVEL=7 or higher coupling facility
16	(10)	SIGNED	4	CONACACHEMAXELEMNUM	Maximum number of data elements per entry. Valid only if data elements are supported by the structure
20	(14)	SIGNED	4	CONACACHECHGDIRENTRYCOUNT	Count of total changed directory entries. This information is returned only when the structure is allocated in a CFLEVEL 1 or higher facility.
24	(18)	SIGNED	4	CONACACHECHGDIRELEMENTCOUNT	Count of total changed data elements. This information is returned only when the structure is allocated in a CFLEVEL 1 or higher facility.
24	(18)	X'1C'	0	CONACACHEATTR_LEN	**_CONACACHEATTR"

IXLYCONA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CONA	0		CONACFACILITYFREECONTROLSPACE	344	
CONA_LEN	398	3A8	CONACFACILITYFREESPACE	340	
CONAACCESSTIME	74		CONACFACILITYINFO	338	
CONAACCESSTIMEFLAGS	77		CONACFACILITYMAXCASTOUTCLASS	362	
CONAACCESSTIMENOLIMIT	77	80	CONACFACILITYMAXELEMCHAR	34A	
CONAALLOCREQUESTEDSTRSIZE	A8		CONACFACILITYMAXLISTHEADER	35C	
CONAALTERCFSTART	120	4	CONACFACILITYMAXLOCKUSERS	361	
CONAALTERELEMENTRATIO	12A		CONACFACILITYMAXSTORAGECLASS	360	
CONAALTEREMCSTG	120	10	CONACFACILITYNAME	350	
CONAALTEREMCSTGPCT	130		CONACFACILITYSTORAGEINCREMENT	348	
CONAALTERENTRYRATIO	128		CONACFACILITYTOTALCONTROLSPACE	33C	
CONAALTERFLAGS	120		CONACFACILITYTOTALSPACE	338	
CONAALTERINFO	120		CONACFACILITYUSERLIMIT	34B	
CONAALTERINPROGRESS	50	8	CONACLEARLBYXESFLAGS	78	
CONAALTERMINELEMENT	12D		CONACLEARLBYXESINFO	78	
CONAALTERMINEMC	12E		CONACLEARLBYXESVALID	78	80
CONAALTERMINENTRY	12C		CONACONID	4C	
CONAALTERRATIO	120	40	CONACONNALLOC	54	40
CONAALTERRATIOCHG	120	20	CONACONNAME	14	
CONAALTERSIZE	120	80	CONACONNECTIONVERSION	48	
CONAALTERTARGETSIZE	124		CONACONNECTORCONNECTIVITY	54	20
CONACACHEADJUNCT	8	80	CONACONTOKEN	4	
CONACACHEATTR	0		CONADIAG0	34	
CONACACHEATTR_LEN	18	1C	CONADIAG1	38	
CONACACHECHGDIRELEMENTCOUNT	18		CONADIAG10	374	
CONACACHECHGDIRENTRYCOUNT	14		CONADIAG11	380	
CONACACHEDIRENTRYCOUNT	0		CONADIAG2	3C	
CONACACHEELEMCHAR	C		CONADIAG3	17C	
CONACACHEELEMNUM	D		CONADIAG4	180	
CONACACHEFLAGS	8		CONADIAG5	184	
CONACACHEMAXCOCLASS	A		CONADIAG6	364	
CONACACHEMAXELEMENTCOUNT	4		CONADIAG7	368	
CONACACHEMAXELEMNUM	10		CONADIAG8	36C	
CONACACHEMAXSTGCLASS	9		CONADIAG9	370	
CONACACHENAMECLASSMASK	E		CONADISCFWAILEDCONFSTRING	134	
CONACACHEUDFORDER	8	40	CONADISCFWAILINGSTRING	7C	
CONACFACILITYCFLEVEL	34C		CONAESTIMATEDMAXELEMENTS	390	
			CONAESTIMATEDMAXENTRIES	388	
			CONAFACILITY	158	
			CONAFACILITYARRAY	154	
			CONAFACILITYCFLEVEL	188	
			CONAFACILITYCOUNT	154	
			CONAFACILITYENTRY	158	
			CONAFACILITYFREECONTROLSPACE	174	

IXLYCONA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CONAFACILITYFREESPACE	170		CONALISTNAMESUPPORT	1C	
CONAFACILITYINFO	168		CONALISTSECONDARYKEYSUPPORT	0	8
CONAFACILITYINFODIAG	17C		CONALISTLOCKATTR	0	2
CONAFACILITYINFOLIMITS	18C		CONALISTLOCKATTR_LEN	10	14
CONAFACILITYINFOSPACE	168		CONALISTLOCKENTRIES	8	
CONAFACILITYMAXCASTOUTCLASS	192		CONALISTLOCKFLAGS	0	
CONAFACILITYMAXELEMCHAR	17A		CONALISTLOCKMAXRECORDELEMENTS	10	
CONAFACILITYMAXLISTHEADER	18C		CONALISTLOCKNUMUSERS	4	
CONAFACILITYMAXLOCKUSERS	191		CONALISTLOCKRECORD	0	80
CONAFACILITYMAXSTORAGECLASS	190		CONALISTLOCKRECORDELEMENTS	C	
CONAFACILITYMINREQSIZE	164		CONALISTLOGICALSTRUCTUREVERSION	AC	
CONAFACILITYNAME	158		CONALISTMAXSTRUCTURESIZE	60	
CONAFACILITYRSNCODE	160		CONALISTMINSTRUCTURESIZE	9C	
CONAFACILITYSTORAGEINCREMENT	178		CONALISTMVSRELEASEMAXCFLEVEL	A4	
CONAFACILITYTOTALCONTROLSPACE	16C		CONALISTNOTFULLCONNECTIVITY	54	8
CONAFACILITYTOTALSPACE	168		CONALISTPHYSICALSTRUCTUREVERSION	40	
CONAFACILITYUSERLIMIT	17B		CONALISTPHYSICALSTRUCTUREVERSION2	378	
CONAFAILUREISOLATED	54	2	CONALISTREBUILD	50	40
CONAFLAGS	50		CONALISTREBUILD CART	104	
CONAFPCONNSNOTINPOLICY	A0		CONALISTREBUILD CONSID	10C	
CONAIGNOREDEXCLUSIONLIST	54	10	CONALISTREBUILD DUPLEX	FA	40
CONALISTADJ	0	10	CONALISTREBUILD DUPLEX SWITCH	FA	20
CONALISTATTR	0		CONALISTREBUILD FLAGS	FA	
CONALISTATTR_LEN	24	28	CONALISTREBUILD FPCONNS	FA	80
CONALISTCONTROL	0	80	CONALISTREBUILD INFO	F8	
CONALISTDATA	0	20	CONALISTREBUILD PCTLOSSCONN	FB	
CONALISTELEMCHAR	3		CONALISTREBUILD PHASE	110	
CONALISTELEMENTCOUNT	10		CONALISTREBUILD PHASE CONNECT	398	2
CONALISTELEM INCRNUM	2		CONALISTREBUILD PHASE DUPESTAB	398	5
CONALISTEMCCOUNT	20		CONALISTREBUILD PHASE QUIESCE	398	1
CONALISTENTRYCOUNT	18		CONALISTREBUILD STARTREASON	F8	
CONALISTFLAGS	0		CONALISTREBUILD STOP	50	20
CONALISTHEADERS	8		CONALISTREBUILD STOPREASON	F9	
CONALISTKEYSUPPORT	0	4	CONALISTRECONNECT ATTEMPT	78	40
CONALISTLOCK	0	40	CONALISTRECONNECTED	50	80
CONALISTLOCKENTRIES	C		CONALISTRECONSNALLOCCNOTPERMITTED	398	8
CONALISTMAXELEMENTCOUNT	14		CONALISTRECONSNBADALLOCATERESULTS	398	17
CONALISTMAXELEMNUM	4		CONALISTRECONSNCOMPUTEDCOUNTS		
CONALISTMAXEMCCOUNT	24				
CONALISTMAXENTRYCOUNT					

Name	Hex Offset	Hex Value
	398	1F
CONARSNCOMPUTEDSIZEINVALID		
	398	18
CONARSNFACILITYFAILURE		
	398	4
CONARSNFACILITYNOTINPOLICY		
	398	2
CONARSNFACILITYPOPCFNOTSUITABLE		
	398	11
CONARSNIMPLIEDREBLDOTHER		
	398	12
CONARSNINSUFFCFLEVELMVS		
	398	14
CONARSNINSUFFCFLEVELUSER		
	398	13
CONARSNINSUFFCONNECTIVITY		
	398	E
CONARSNINSUFFICIENTSPACE		
	398	B
CONARSNINSUFFSCM		
	398	1E
CONARSNINSUFFUSERLIMIT		
	398	15
CONARSNINVALIDSTRUCTURESIZE		
	398	7
CONARSNNOCONN		
	398	3
CONARSNNOCONNPOLICY		
	398	1
CONARSNNOFREESID		
	398	1D
CONARSNNOPEERCONNPRISEC		
	398	19
CONARSNNOPEERCONNSECPRI		
	398	1A
CONARSNPARAMETERERROR		
	398	6
CONARSNPREFERREDCFSELECTED		
	398	F
CONARSNPREFERREDCF1		
	398	1B
CONARSNPREFERREDCF2		
	398	1C
CONARSNREBLDDUPLEXOTHER		
	398	10
CONARSNREBLDOTHER		
	398	C
CONARSNREBLDUSERSTOOSMALL		
	398	D
CONARSNSTRFAILURE		
	398	5
CONARSNSTRLIMITSTOOSMALL		
	398	16
CONARSNSUCCESS		
	398	0
CONARSNUNKNOWN		
	398	A
CONARSNXCFCOMPEERROR		
	398	9
CONASTARTRSNCONNECTORCODE		
	FC	
CONASTOPRSNCONNECTORCODE		
	100	
CONASTRUCTUREATTRFLAGS		
	54	
CONASTRUCTUREATTRFLAGSB1		
	54	
CONASTRUCTUREATTRFLAGSB2		
	55	
CONASTRUCTUREATTRFLAGSB3		
	56	
CONASTRUCTUREATTRFLAGSB4		
	57	
CONASTRUCTUREATTRIBUTES		

Name	Hex Offset	Hex Value
	B8	
CONASTRUCTUREDISP		
	54	80
CONASTRUCTURESIZE		
	5C	
CONASTRUCTURESMDUPESTAB		
	56	80
CONASTRUCTURETYPE		
	58	
CONASTRUCTUREVERSION		
	40	
CONASYSMGDDUPLEXED		
	55	80
CONASYSMGDDUPLEXEDFAILISOL		
	55	40
CONAUNIONAREA1		
	78	
CONAUSERSYNCPINTEVENT		
	78	
CONAUSERSYNCPINTEVENT		
	78	
CONAUSERSYNCPINTEVENT		
	78	
CONAUSERSYNCPINTEVENT		
	7C	
CONAUSYNCEVENTSET		
	50	10
CONAVECTORLEN		
	70	
CONAVECTORTOKEN		
	64	
CONAVOLATILE		
	54	4

IXLYCRRB Information

IXLYCRRB Programming Interface information

Programming Interface information

IXLYCRRB

End of Programming Interface information

IXLYCRRB Heading Information • IXLYCRRB Cross Reference

IXLYCRRB Heading Information

Common Name: Cache Register Name List Registration Block
Macro ID: IXLYCRRB
DSECT Name: CRRB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: 64 bytes
Created by: IXLCACHE invoker
Pointed to by: BUFFER or BUFLIST parameter on IXLCACHE
Serialization: See BUFFER and BUFLIST parameter requirements on the IXLCACHE interface description.
Function: The CRRB maps the registration blocks provided when the IXLCACHE macro is issued for a REG_NAMELIST request.

IXLYCRRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRRB	Cache Register Name List Registration Block
0	(0)	SIGNED	1	CRRBSTGCLASS	Storage class to which the entry named in this registration block should be assigned.
1	(1)	BITSTRING 1...	1	CRRBFLAGS (0) CRRBASSIGNCNTL	Flag byte "X'80" Assignment Control 1 ==> A directory entry should be assigned for the entry named in this registration block, if one does not currently exist 0 ==> A directory entry should not be assigned if one does not currently exist
		.1..		CRRBNAMEREPLACECNTL	"X'40" Name-Replacement Control 1 ==> Any registered interest for the specified local cache vector index and the entry specified by CrrbOldName in this registration block will be deregistered 0 ==> No deregistration of interest for the entry specified by CrrbOldName will be performed
2	(2)	CHARACTER	14		Reserved
16	(10)	CHARACTER	16	CRRBNAME	Directory Entry Name
32	(20)	CHARACTER	16	CRRBOLDNAME	Old Name. When CrrbNameReplaceCntl is one and CrrbName and CrrbOldName are not equal, interest will be deregistered in the directory entry designated by CrrbOldName for the CrrbVectorIndex prior to registering interest in the entry designated by CrrbName.
48	(30)	SIGNED	4	CRRBVECTORINDEX	Local Cache Vector Index
52	(34)	CHARACTER	12		Reserved
64	(40)	CHARACTER	1	CRRBEND (0)	End of CRRB
64	(40)	X'40'	0	CRRB_LEN	"*-CRRB"

IXLYCRRB Cross Reference

Name	Hex Offset	Hex Value
CRRB	0	
CRRB_LEN	40	40
CRRBASSIGNCNTL	1	80
CRRBEND	40	
CRRBFLAGS	1	
CRRBNAME	10	
CRRBNAMEREPLACECNTL	1	40
CRRBOLDNAME	20	
CRRBSTGCLASS	0	
CRRBVECTORINDEX	30	

IXLYCSCS Information

IXLYCSCS Programming Interface information

Programming Interface information

IXLYCSCS

End of Programming Interface information

IXLYCSCS Heading Information • IXLYCSCS Map

IXLYCSCS Heading Information

Common Name: Cache Storage Class Statistics - CSCS
Macro ID: IXLYCSCS
DSECT Name: CSCS
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: 256 bytes
 CSCS -- X'0100' bytes
Created by: Storage area created by IXLCACHE invoker
Pointed to by: STGSTATS parameter on IXLCACHE
Serialization: See STGSTATS parameter requirements on the IXLCACHE interface description.
Function: The CSCS maps the information returned from the IXLCACHE macro for a READ_STGSTATS request.

IXLYCSCS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CSCS	Cache storage class statistics
0	(0)	SIGNED	4	CSCSREADHITC	Read hit counter. Number of times data was returned on a read request.
4	(4)	SIGNED	4	CSCSRMDIRHITC	Read miss, directory hit counter. Number of times a read request found the entry assigned to the cache, but no data was present to read
8	(8)	SIGNED	4	CSCSRMASSUPRC	Read miss, assignment suppressed counter. Number of times a read request failed to find the entry in the cache, and assignment of the entry name was not requested.
12	(C)	SIGNED	4	CSCSRMNAMEASC	Read miss, name assigned counter. Number of times a read request failed to find the requested entry in the cache, and a directory entry was successfully assigned for the name.
16	(10)	SIGNED	4	CSCSRMTSCFULLC	Read miss, target storage class full counter. Number of times a read request failed to find the requested entry in the cache, and a directory entry could not be assigned to the name due to insufficient resources in the target storage class.
20	(14)	SIGNED	4	CSCSWHITCB0C	Write hit change Bit 0 ctr. Number of times a write request successfully wrote unchanged data to the cache.
24	(18)	SIGNED	4	CSCSWHITCB1C	Write hit change Bit 1 ctr. Number of times a write request successfully wrote changed data to the cache.
28	(1C)	SIGNED	4	CSCSWMNOTREGC	Write miss, not registered counter. Number of times a write request with WHENREG=YES could not be processed because the user did not have registered interest in the entry, or did not have registered interest in the entry with the correct local vector index.
32	(20)	SIGNED	4	CSCSWMINVSTATEC	Write miss, invalid state counter. Number of times a write request could not be processed due to an incompatible entry state.
36	(24)	SIGNED	4	CSCSWMTSCFULLC	Write miss, target storage class full counter. Number of times a write request could not be processed due to insufficient resources in the target storage class.
40	(28)	SIGNED	4	CSCSDIRENTRYRCLC	Directory entry reclaim counter. Number of times a request associated with this storage class performed a directory entry reclaim.
44	(2C)	SIGNED	4	CSCSDAENTRCLC	Data entry reclaim counter. Number of times a request associated with this storage class performed a data area reclaim.
48	(30)	SIGNED	4	CSCSXIDIRRCLC	XI directory reclaim counter. Number of XIs issued as a result of a directory entry reclaim.
52	(34)	SIGNED	4	CSCSXIWRITEC	XI write counter. Number of XIs issued as a result of a write request.
56	(38)	SIGNED	4	CSCSXINMINVALC	XI name invalidation counter. Number of XIs issued as a result of a DELETE_NAME request.
60	(3C)	SIGNED	4	CSCSXICMINVALC	XI complement invalidation counter. Number of XIs issued as a result of a CROSS_INVAL request.
64	(40)	SIGNED	4	CSCSCASTOUTC	Castout Counter. Number of castout operations performed against entries in this storage class.
68	(44)	SIGNED	4	CSCSREFSIGMISSC	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
72	(48)	SIGNED	4	CSCSTMCFULLC	Reference signal miss counter. Number of times a name specified on a PROCESS_REFLIST request was not associated with the storage class.
76	(4C)	SIGNED	4	CSCSDIRENTRYC	Target storage class full counter. Number of times a request was unable to reclaim a directory entry or data resources from this storage class.
80	(50)	SIGNED	4	CSCSDATAAREAIEC	Directory entry counter. Number of cache directory entries currently assigned to this storage class.
84	(54)	SIGNED	4	CSCSTOTCHNGDC	Data area element counter. Number of cache data elements associated with entries that are currently assigned to this storage class.
88	(58)	SIGNED	4	CSCSDATAAREAC	Total changed counter. Number of directory entries assigned to this storage class which are currently changed or locked-for-castout.
92	(5C)	SIGNED	4	CSCSCMPLREFLSTC	Data area counter. The number of directory entries assigned to this storage class which have data associated with them (see CscsDatAreaEleC to understand the total amount of data these entries contain).
96	(60)	SIGNED	4	CSCSPRTCREFLSTC	Completed reference lists counter. Number of times a PROCESS_REFLIST command was completed.
100	(64)	SIGNED	4	CSCSXILCVIREPL	Partially completed reference lists counter. Number of times a PROCESS_REFLIST command was partially completed.
104	(68)	SIGNED	4	CSCSWUXIC	XI for local cache vector index replacement. Number of XIs issued as a result of replacement of a registered local cache vector index with a more current local cache vector index.
108	(6C)	SIGNED	4	CSCSUDERIC	Write unchanged with XI counter. Number of successful write requests which specified CROSSINVAL=YES.
112	(70)	SIGNED	4	CSCSWMASC	Unchanged directory entry with registered interest counter. Number of directory entries in the storage class which have registered interest by a local cache and contain unchanged data. Valid when the cache structure resides in a CFLEVEL=8 or above coupling facility
116	(74)	SIGNED	4	CSCSWMWSC	Write Miss Assignment Suppression Counter. Number of write requests that requested directory assignment suppression (ASSIGN=NO or WOB_Asc = '1'b) that were suppressed because a directory entry did not exist. Valid when the cache structure resides in a CFLEVEL=18 or above coupling facility
120	(78)	CHARACTER	136		Write Miss Write Suppression Counter. Number of write requests that specified LOCALREGNTL=YES that were suppressed due to the local cache being the only registered interest in the directory entry and the data entry did not have cached subsystem data. Valid when the cache structure resides in a CFLEVEL=18 or above coupling facility
256	(100)	CHARACTER	1	CSCSEND (0)	Reserved
256	(100)	X'100'	0	CSCS_LEN	End of CSCS
					**-CSCS"

IXLYCSCS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSCS	0		CSCSRMNAMEASC		
CSCS_LEN	100	100		C	
CSCSCASTOUTC	40		CSCSRMTSCFULLC		10
CSCSCMPLREFLSTC	5C		CSCSTMCFULLC		48
CSCSDAENTRCLC			CSCSTOTCHNGDC		54
	2C		CSCSUDERIC		6C
CSCSDATAAREAC	58		CSCSWHITCB0C		14
CSCSDATAAREAIEC			CSCSWHITCB1C		18
	50		CSCSWMASC		70
CSCSDIRENTRYC	4C		CSCSWMINVSTATEC		20
CSCSDIRENTRYRCLC				20	
	28		CSCSWMNOTREGC		1C
CSCSEND	100				
CSCSPRTCREFLSTC			CSCSWMTSCFULLC		24
	60		CSCSWMWSC		74
CSCSREADHITC	0		CSCSWUXIC		68
CSCSREFSIGMISSC			CSCSXICMINVALC		3C
	44				
CSCSRMASSUPRC	8		CSCSXIDIRRCLC		30
CSCSRMDIRHITC					
	4		CSCSXILCVIREPL		

IXLYCSCS Cross Reference

Name	Hex Offset	Hex Value
	64	
CSCSXINMINVALC	38	
CSCSXIWRITEC	34	

IXLYCSPA Information

IXLYCSPA Programming Interface information

Programming Interface information

IXLYCSPA

End of Programming Interface information

IXLYCSPA Heading Information • IXLYCSPA Map

IXLYCSPA Heading Information

Common Name: IXLCSP Request Answer Area
Macro ID: IXLYCSPA
DSECT Name: CSPA
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: 256 bytes
 CSPA -- 'X'0100' bytes
Created by: Invoker of IXLCSP service.
Pointed to by: ANSAREA parameter on IXLCSP
Serialization: NONE
Function: Maps the answer area output from IXLCSP requests

IXLYCSPA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CSPA	IXLCSP answer area
0	(0)	CHARACTER	32	CSPA_HEADER (0)	Header information
0	(0)	SIGNED	2	CSPA_VERSION	IXLYCSPA version number
2	(2)	SIGNED	2	CSPA_LENGTH	Length of the answer area
4	(4)	SIGNED	2	CSPA_OFFSET	Offset from the beginning of the structure (CSPA) to the answer area data (CSPA_Data)
6	(6)	CHARACTER	26		Reserved
32	(20)	CHARACTER	224	CSPA_DATA (0)	Data returned by IXLCSP
32	(20)	CHARACTER	64	CSPA_COMMONDATA (0)	Data common to all IXLCSP requests
32	(20)	SIGNED	4	CSPA_STRSIZE	Structure size in 4K blocks
36	(24)	SIGNED	4	CSPA_MAXSIZE	Maximum structure size in 4K blocks
40	(28)	SIGNED	4	CSPA_MINSIZE	Minimum structure size in 4K blocks
44	(2C)	SIGNED	4	CSPA_MARGINALSIZE	Marginal structure size in 4K blocks
48	(30)	SIGNED	4	CSPA_MRCS	Minimum required control storage in 4K blocks
52	(34)	SIGNED	2	CSPA_DIAGNOSTICCODE	Diagnostic code. Set only when IXLCSP RC='04'x and RSN is 'xxxx0431'x, or RC='08'x and RSN is one of the following values: 'xxxx0881'x, 'xxxx088C'x, 'xxxx088E'x, 'xxxx08B1'x. Constants for the diagnostic codes when RSN='xxxx088C'x are defined below. Diagnostic codes for the other reasons are defined in IXLYCON.
54	(36)	SIGNED	2		Reserved.
56	(38)	SIGNED	4	CSPA_ACTUALCFLEVEL	CFLEVEL of designated coupling facility. Valid for use if not zero.
60	(3C)	SIGNED	4	CSPA_NEEDEDCEFLVEL	The CFLEVEL supported by the designated coupling facility must be greater than or equal to this value in order to process the compute request. Valid for use if not zero
64	(40)	CHARACTER	8	CSPA_SCMMAXSIZE	Maximum amount of storage-class (flash) memory in 4K blocks that may be associated with the target structure
72	(48)	SIGNED	4	CSPA_ESTMAXAUGSPACE	Estimated maximum augmented space in 4K blocks that may be required to support SCM maximum size
76	(4C)	SIGNED	4	CSPA_FIXEDAUGSPACE	Minimum amount of augmented space in 4K blocks that is always assigned to the structure
80	(50)	CHARACTER	16		Reserved
96	(60)	CHARACTER	96	CSPA_STRTPEDATA (0)	Output data specific to the target structure type
----- Comment -----					
CSPA_OutData: Cache structure					
----- End of Comment -----					
96	(60)	CHARACTER	96	CSPA_CACHEDATA (0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
96	(60)	SIGNED	4	CSPA_CACHEDIRENTRYCOUNT	Cache-specific output Number of directory entries that can be contained in the target structure
100	(64)	SIGNED	4	CSPA_CACHEELEMENTCOUNT	Total number of elements that can be contained in the target structure
104	(68)	SIGNED	4	CSPA_CACHEDIRTOELEMENTRATIO (0)	Directory- to-element ratio that could be achieved in the target structure
104	(68)	SIGNED	2	CSPA_CACHEDIRRATIO	Directory part of the directory-to-element ratio
106	(6A)	SIGNED	2	CSPA_CACHEELEMENTRATIO	Element part of the directory-to- element ratio
108	(6C)	CHARACTER	84		Reserved

Comment

CSPA_OutData: List structure

End of Comment

96	(60)	CHARACTER	96	CSPA_LISTDATA (0)	List-specific output
96	(60)	SIGNED	4	CSPA_LISTEMCCOUNT	Number of event monitor controls that can be contained in the target structure
100	(64)	SIGNED	4	CSPA_LISTENTRYCOUNT	Number of list entries that can be contained in the target structure
104	(68)	SIGNED	4	CSPA_LISTELEMENTCOUNT	Total number of elements that can be contained in the target structure
108	(6C)	SIGNED	2	CSPA_LISTEMCSTGPCT	Percentage of structure storage over the marginal structure size that can be allocated to event monitor controls in the target structure. Expressed as a decimal number in hundredths of a percent.
110	(6E)	CHARACTER	2		Reserved
112	(70)	SIGNED	4	CSPA_LISTENTRYTOELEMENTRATIO (0)	Entry- to-element ratio that could be achieved in the target structure
112	(70)	SIGNED	2	CSPA_LISTENTRYRATIO	Entry part of the entry-to-element ratio
114	(72)	SIGNED	2	CSPA_LISTELEMENTRATIO	Element part of the entry-to-element ratio
116	(74)	SIGNED	4	CSPA_LISTLOCKENTRIES	Number of lock entries that can be contained in the target structure. Valid on either successful computation or return code 8 reason code IxIRsnCodeBadStructureSize (xxxx0888)
120	(78)	CHARACTER	8	CSPA_LISTSCMENTRYCOUNT	Estimated number of list entries that can be contained in the storage-class memory associated with the target structure
128	(80)	CHARACTER	8	CSPA_LISTSCMELEMENTCOUNT	Estimated number of data elements that can be contained in the storage-class memory associated with the target structure
136	(88)	CHARACTER	8	CSPA_LISTSCMENTRYOVERFLOW	Estimated number of list entries in excess of 2**32 - 1 that could be accommodated by the input amount of SCM
144	(90)	CHARACTER	8	CSPA_LISTSCMELEMENTOVERFLOW	Estimated number of data elements in excess of 2**32 - 1 that could be accommodated by the input amount of SCM
152	(98)	CHARACTER	40		Reserved

Comment

CSPA_OutData: Lock structure

End of Comment

96	(60)	CHARACTER	96	CSPA_LOCKDATA (0)	Lock-specific output
96	(60)	SIGNED	4	CSPA_LOCKRDATAENTRYCOUNT	Number of record data entries that can be contained in the target structure
100	(64)	SIGNED	4	CSPA_LOCKENTRIES	

IXLYCSPA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Number of lock entries that can be contained in the target structure. Valid on either successful computation or return code 8 reason code IxIRsnCodeBadStructureSize (xxxx0888)
104	(68)	CHARACTER	88		Reserved
192	(C0)	CHARACTER	64		Reserved
256	(100)	CHARACTER	1	CSPA_END (0)	End IXL CSP answer area
256	(100)	X'100'	0	CSPA_SIZELEVEL0	"256" Size in bytes of CSPA at macro level 0
256	(100)	X'0'	0	CSPA_LEVELNUM	"0" Macro level number

Comment

Constants for CSPA_DiagnosticCode when RSN='xxxx0431'x, 'xxxx0881'x, 'xxxx088E'x, and 'xxxx08B1'x are defined in IXLYCON.

Constants for CSPA_DiagnosticCode when RSN='xxxx088C'x

End of Comment

256	(100)	X'4'	0	CSPA_BADMAXSIZE	"4" Maximum structure size outside CF limits
256	(100)	X'6'	0	CSPA_BADLISTHEADERS	"6" Number of list headers outside CF limits
256	(100)	X'7'	0	CSPA_BADLISTELEMCHAR	"7" List element characteristic outside CF limits
256	(100)	X'8'	0	CSPA_BADLOCKNUMUSERS	"8" Number of lock structure users outside CF limits
256	(100)	X'9'	0	CSPA_BADLOCKENTRIES	"9" Number of locks outside CF limits
256	(100)	X'A'	0	CSPA_BADLISTMAXELEMNUM	"10" Maximum entry size (maximum number of elements) outside CF limits
256	(100)	X'B'	0	CSPA_BADLISTENTRYTOELEMRTIO	"11" Entry- to-element ratio (EntryRatio and ElementRatio keywords) outside CF limits
256	(100)	X'C'	0	CSPA_BADLISTENTRYCOUNT	"12" Maximum entry count outside CF limits
256	(100)	X'D'	0	CSPA_BADLISTELEMENTCOUNT	"13" Maximum element count outside CF limits
256	(100)	X'11'	0	CSPA_BADLISTSTRUCTURETYPE	"17" List structure attributes inconsistent. Can be caused by specifying ListCnt!Type= Element when the structure has no data.
256	(100)	X'12'	0	CSPA_BADCACHEELEMCHAR	"18" Cache element characteristic outside CF limits
256	(100)	X'13'	0	CSPA_BADCACHENUMCOCLASS	"19" Maximum number of castout classes outside CF limits
256	(100)	X'14'	0	CSPA_BADCACHEMAXELEMNUM	"20" Maximum entry size (maximum number of elements) outside CF limits
256	(100)	X'15'	0	CSPA_BADCACHENUMSTGCLASS	"21" Maximum number of storage classes outside CF limits
256	(100)	X'16'	0	CSPA_BADCACHEDIRTOELEMRTIO	"22" Directory- to-element ratio (DirRatio and ElementRatio keywords) outside CF limits
256	(100)	X'17'	0	CSPA_BADCACHEDIRENTRYCOUNT	"23" Maximum directory entry count outside CF limits
256	(100)	X'18'	0	CSPA_BADCACHEELEMENTCOUNT	"24" Maximum element count outside CF limits
256	(100)	X'80'	0	CSPA_BADSCMELEMENTCOUNT	"128" Count of elements in storage-class memory outside CF limits
256	(100)	X'100'	0	CSPA_LEN	**_CSPA"

IXLYCSPA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSPA	0		CSPA_LISTEMCSTGPCT		
CSPA_ACTUALCFLEVEL	38			6C	
CSPA_BADCACHEDIRENTRYCOUNT	100	17	CSPA_LISTENTRYCOUNT		64
CSPA_BADCACHEDIRTOELEMNRATIO	100	16	CSPA_LISTENTRYRATIO		70
CSPA_BADCACHEELEMCHAR	100	12	CSPA_LISTENTRYTOELEMNRATIO		70
CSPA_BADCACHEELEMENTCOUNT	100	18	CSPA_LISTLOCKENTRIES		74
CSPA_BADCACHEMAXELEMNUM	100	14	CSPA_LISTSCMELEMENTCOUNT		80
CSPA_BADCACHENUMCOCLASS	100	13	CSPA_LISTSCMELEMENTOVERFLOW		90
CSPA_BADCACHENUMSTGCLASS	100	15	CSPA_LISTSCMENTRYCOUNT		78
CSPA_BADLISTELEMCHAR	100	7	CSPA_LISTSCMENTRYOVERFLOW		88
CSPA_BADLISTELEMENTCOUNT	100	D	CSPA_LOCKDATA		60
CSPA_BADLISTENTRYCOUNT	100	C	CSPA_LOCKENTRIES		64
CSPA_BADLISTENTRYTOELEMNRATIO	100	B	CSPA_LOCKRDATAENTRYCOUNT		60
CSPA_BADLISTHEADERS	100	6	CSPA_MARGINALSIZE		2C
CSPA_BADLISTMAXELEMNUM	100	A	CSPA_MAXSIZE		24
CSPA_BADLISTSTRUCTURETYPE	100	11	CSPA_MINSIZE		28
CSPA_BADLOCKENTRIES	100	9	CSPA_MRCS		30
CSPA_BADLOCKNUMUSERS	100	8	CSPA_NEEDEDLEVEL		3C
CSPA_BADMAXSIZE	100	4	CSPA_OFFSET		4
CSPA_BADSCMELEMENTCOUNT	100	80	CSPA_SCMMAXSIZE		40
CSPA_CACHEDATA	60		CSPA_STRSIZE		20
CSPA_CACHEDIRENTRYCOUNT	60		CSPA_STRYPEDATA		60
CSPA_CACHEDIRRATIO	68		CSPA_VERSION		0
CSPA_CACHEDIRTOELEMNRATIO	68		CSPA_SIZELEVEL0	100	100
CSPA_CACHEELEMENTCOUNT	64		CSPA_LEVELNUM	100	0
CSPA_CACHEELEMENTRATIO	6A				
CSPA_COMMONDATA	20				
CSPA_DATA	20				
CSPA_DIAGNOSTICCODE	34				
CSPA_END	100				
CSPA_ESTMAXAUGSPACE	48				
CSPA_FIXEDAUGSPACE	4C				
CSPA_HEADER	0				
CSPA_LEN	100	100			
CSPA_LENGTH	2				
CSPA_LISTDATA	60				
CSPA_LISTELEMENTCOUNT	68				
CSPA_LISTELEMENTRATIO	72				
CSPA_LISTEMCCOUNT	60				

IXLYCUNB Information

IXLYCUNB Programming Interface information

Programming Interface information

IXLYCUNB

End of Programming Interface information

IXLYCUNB Heading Information • IXLYCUNB Map

IXLYCUNB Heading Information

Common Name: Cache Unlock-castout Name Block
Macro ID: IXLYCUNB
DSECT Name: CUNB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: CUNB -- X'0020' bytes
Created by: IXLCACHE invoker
Pointed to by: BUFFER or BUFLIST parameter on IXLCACHE for UNLOCK_CASTOUT. It is included as a parameter called the CUNBAREA for UNLOCK_CO_NAME.
Serialization: See BUFFER, BUFLIST, and CUNBAREA parameter requirements on the IXLCACHE interface description.
Function: The CUNB maps the name blocks provided when the IXLCACHE macro is issued for an UNLOCK_CASTOUT request. It is also used to map a single name block passed as the CUNBAREA when the IXLCACHE macro is issued for an UNLOCK_CO_NAME request.

IXLYCUNB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CUNB	Cache Name Block
0	(0)	CHARACTER	16	CUNBNAME	Name of structure entry for which UNLOCK_CASTOUT or UNLOCK_CO_NAME processing is to be performed.
16	(10)	CHARACTER	8	CUNBUSERDATA	Value with which to update the directory entry user data.
24	(18)	BITSTRING	1	CUNBBYTEA (0)	Flag byte A
		1...		CUNBCHANGE0I	"X'80" Change-bit OverIndication. 1 ==> the entry is to be left in the changed state and associated with the last specified cast-out class following UNLOCK_CASTOUT or UNLOCK_CO_NAME processing. This is not valid for cache entries with a castout state which indicates write with castout. 0 ==> UNLOCK_CASTOUT or UNLOCK_CO_NAME processing is not to alter the changed status, and should only disassociate the entry from a cast-out class if the current directory entry change bit indicates unchanged data.
		..11		CUNBPARITY	"X'30" Value with which to update the directory entry parity.
25	(19)	CHARACTER	7		Reserved
32	(20)	CHARACTER	1	CUNBEND (0)	End of CUNB
32	(20)	X'20'	0	CUNB_LEN	"-CUNB"

IXLYDCAC Information

IXLYDCAC Programming Interface information

Programming Interface information

IXLYDCAC

End of Programming Interface information

IXLYDCAC Heading Information • IXLYDCAC Map

IXLYDCAC Heading Information

Common Name: Dumping Cache Structure Controls Mapping
Macro ID: IXLYDCAC
DSECT Name: DCAC
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size: DCACEXTSTRUCTURECONTROLS -- X'0200' bytes
 DCACDUPLEXINGCONTROLS -- X'003C' bytes
 DCAC -- X'0100' bytes
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping Cache Structure controls.

IXLYDCAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DCAC	Mapping for Cache Structure controls
0	(0)	CHARACTER	20		Reserved
20	(14)	SIGNED	4	DCACTOTALDIRENTCT	Total Directory-entry count - specifies the number of directory entries allocated for the cache structure. This count is only substantially accurate.
24	(18)	SIGNED	4	DCACTOTALDTAREAELEMCT	Total data area element count - specifies the number of data area elements allocated for the cache structure. This count is only substantially accurate.
28	(1C)	CHARACTER	1	DCACFLAGBYTE1 (0)	Flag byte 1
		1...		DCACADJASGNIND	"X'80" Adjunct-assignment indicator - indicates if adjunct areas are present
		.1..		DCACUDFORDERQUEUEIND	"X'40" UDF order queue indicator - indicates that a user data field order queue is being maintained (LEVEL5)
		..1.		DCACDUPLEXINGSTATE	"X'20" Duplexing State - indicates that a structure is in a state of being duplexed (LEVEL11)
		...1		DCACIRTCEI	"X'10" Indicates enablement of Immediate RTC Completion. (LEVEL16)
		.... ..1.		DCACREAPPINPROGRESS	"X'02" Reapportionment in progress indicator (LEVEL1)
		.... ...1		DCACSIZECHNGINPROGRESS	"X'01" Structure size change in progress indicator (LEVEL1)
29	(1D)	BITSTRING	1	DCACMAXSTGCLASS	Maximum storage class - specifies the number of storage classes.
30	(1E)	BITSTRING	2	DCACNAMECLASSMASK	Name class mask (LEVEL7)
32	(20)	SIGNED	2	DCACMAXCSTCLASS	Maximum castout class - specifies the number of castout values.
34	(22)	BITSTRING	1	DCACDTAREAELEMCHAR	Data area element characteristic - specifies the number of bytes in each data area element
35	(23)	BITSTRING	1	DCACMAXDTAREASIZE	Maximum data area size - specifies the maximum allowable size of a data area as an integral multiple of the data area element size. The valid values are 1-255
36	(24)	SIGNED	4	DCACSTRSIZE	Structure size - specifies the number of 4K units of facility storage allocated for the cache
40	(28)	SIGNED	4	DCACMAXSTRSIZE	Maximum structure size - specifies the maximum number of 4K units of facility storage that can be allocated for the cache
44	(2C)	SIGNED	4	DCACMINSTRSIZE	Minimum Structure Size - specifies the minimum number of 4K units of facility storage that can be allocated for the cache with the requested attributes. Note that the structure can be allocated smaller than this, but if so, structure attributes such as the entry/element ratio will differ significantly from those which were requested.
48	(30)	CHARACTER	16	DCACSTRAUTH	Structure Authority - A 16 byte value associated with each bit in the SID vector
64	(40)	CHARACTER	32	DCACUSRSTRCNTL	User Structure Control - a 32 byte field defined by the user
96	(60)	BITSTRING	32	DCACLIDVECTOR	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
					LCID Vector - A bit string with an initial value of zero. Set to one when a user is assigned a value of (i). The bit at position I is set to zero when a user is unassigned	
128	(80)	SIGNED	4	DCACTGTSTRSIZE	Target Structure Size - specifies the target number of 4K units to be allocated for the cache	
132	(84)	SIGNED	4	DCACTGDIRENTCT	Target Directory Entry Count - specifies the target for the maximum number of possible directory entries in a cache structure	
136	(88)	SIGNED	4	DCACTGDTAREALEMCT	Target Data-Area-Element Count - specifies the target for the maximum number of data area elements that are available for assignment to directory entries in a cache structure	
140	(8C)	SIGNED	4	DCACPENDDIRTODATARATIO (0)	Pending directory to data ratio (LEVEL1)	
140	(8C)	SIGNED	2	DCACPENDDIRTODATADIR	Pending directory to data ratio, directory portion (LEVEL1)	
142	(8E)	SIGNED	2	DCACPENDDIRTODADATA	Pending directory to data ratio, data portion (LEVEL1)	
144	(90)	SIGNED	4	DCACMARGINALSTRSIZE	Marginal structure size - true minimum size with which the structure can be allocated (LEVEL1)	
148	(94)	SIGNED	4	DCACTOTSTRCHANGEDENTCT	Total structure changed entry count. This count is only substantially accurate (LEVEL1)	
152	(98)	SIGNED	4	DCACTOTSTRCHANGEDELEMCT	Total structure changed element count. This count is only substantially accurate (LEVEL1)	
156	(9C)	CHARACTER	2		Reserved	
158	(9E)	SIGNED	2	DCACCASTOUTCLASSCURSOR	Castout Class Cursor (LEVEL8)	
160	(A0)	CHARACTER	32	DCACEXTUSERSTRCONTROLS	Extended User Structure Controls (LEVEL8)	
192	(C0)	SIGNED	4	DCACWWQUEUEUECOUNTER	Write With Castout queue counter (LEVEL8)	
196	(C4)	SIGNED	4	DCACSTRCOPYCNTLVERSION	Structure copy controls version number (LEVEL8)	
200	(C8)	SIGNED	4	DCACCOUNTUNCHWITHREGINT	Global count of unchanged directory entries with registered interest (LEVEL8)	
204	(CC)	SIGNED	4	DCACFREEDIRENTRYCOUNT	Free directory entry count (LEVEL8)	
208	(D0)	SIGNED	4	DCACFREEDATAAREACOUNT	Free data area element count (LEVEL8)	
212	(D4)	CHARACTER	4		Reserved	
216	(D8)	CHARACTER	1	DCACOFFSET216 (0)	217th byte	
		.... 1111		DCACSSX	"X'0F" Signalling Segment Index - identifies the segment of the local signalling vector array that is used to receive duplexing signals for the cache structure that are initiated by the remote facility when duplexing is active. Zero when DCaclrtcei is OFF. (LEVEL16)	
217	(D9)	CHARACTER	1	DCACOFFSET217 (0)	218th byte	
		.... 1111		DCACDSSX	"X'0F" Duplex Signalling Segment Index - identifies the segment of the remote-facility signalling vector array that is the target of duplexing signals for the peer cache structure when duplexing is active. Set when the structure is made duplexing active. Zero when DCaclrtcei is OFF. (LEVEL16)	
218	(DA)	SIGNED	2	DCACDRXL	Duplex retry index limit - specifies the maximum duplexing retry index value that is supported for duplexing signals targeted to the remote-facility duplexed cache structure. Zero when DCaclrtcei is OFF. (LEVEL16)	
220	(DC)	CHARACTER	4		Reserved	
224	(E0)	CHARACTER	8	DCACSTREXECUTIONTIME	Time CF spent executing work related to this structure. (LEVEL15)	
232	(E8)	CHARACTER	24		Reserved	
232	(E8)	X'100'	0	DCAC_LEN	**-DCAC"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	DCACDUPLEXINGCONTROLS	Duplexing controls from the dump header	

IXLYDCAC Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	32	DCACDUPCONNODEDESC	node descriptor
32	(20)	CHARACTER	16	DCACDUPCONSTRUCTAUTH	Structure authority
48	(30)	CHARACTER	8	DCACDUPCONSYSID	System id
56	(38)	CHARACTER	2		reserved
58	(3A)	CHARACTER	2	DCACDUPCONSTRUCTUREID	Structure Id
58	(3A)	X'3C'	0	DCACDUPLEXINGCONTROLS_LEN	**_DCACDUPLEXINGCONTROLS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DCACEXTSTRUCTURECONTROLS	Mapping for extended Cache Structure Controls (LEVEL19)
0	(0)	CHARACTER	512		Reserved

Comment

Length Constants

End of Comment

0	(0)	X'100'	0	KDCAC_LEN	"256" Length of DCac
0	(0)	X'200'	0	DCACEXTSTRUCTURECONTROLS_LEN	**_DCACEXTSTRUCTURECONTROLS"

IXLYDCAC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCAC	0			60	
DCAC_LEN	E8	100	DCACMARGINALSTRSIZE	90	
DCACADJASGNIND	1C	80	DCACMAXCSTCLASS	20	
DCACCASTOUTCLASSCURSOR	9E		DCACMAXDTAREASIZE	23	
DCACCOUNTUNCHWITHREGINT	C8		DCACMAXSTGCLASS	1D	
DCACDRXL	DA		DCACMAXSTRSIZE	28	
DCACDSSX	D9	F	DCACMINSTRSIZE	2C	
DCACDTAREAEMCHAR	22		DCACNAMECLASSMASK	1E	
DCACDUPCONNODEDESC	0		DCACOFFSET216	D8	
DCACDUPCONSTRUCTAUTH	20		DCACOFFSET217	D9	
DCACDUPCONSTRUCTUREID	3A		DCACPENDDIRTODATADATA	8E	
DCACDUPCONSYSID	30		DCACPENDDIRTODATADIR	8C	
DCACDUPLEXINGCONTROLS	0		DCACPENDDIRTODATARATIO	8C	
DCACDUPLEXINGCONTROLS_LEN	3A	3C	DCACREAPPINPROGRESS	1C	2
DCACDUPLEXINGSTATE	1C	20	DCACSIZECHNGINPROGRESS	1C	1
DCACEXTSTRUCTURECONTROLS	0		DCACSSX	D8	F
DCACEXTSTRUCTURECONTROLS_LEN	0	200	DCACSTRAUTH	30	
DCACEXTUSERSTRCONTROLS	A0		DCACSTRCOPYCNTLVERSION	C4	
DCACFLAGBYTE1	1C		DCACSTREXECUTIONTIME	E0	
DCACFREEDATAAREACOUNT	D0		DCACSTRSIZE	24	
DCACFREEDIRENTRYCOUNT	CC		DCACTGTDIRENTCT	84	
DCACIRTCEI	1C	10	DCACTGDTAREAEMMCT	88	
DCACLCLIDVECTOR					

Name	Hex Offset	Hex Value
DCACTGTSTRSIZE	80	
DCACTOTALDIRENTCT	14	
DCACTOTALDTAREAELEMCT	18	
DCACTOTSTRCHANGEDELEMCT	98	
DCACTOTSTRCHANGEDENTCT	94	
DCACUDFORDERQUEUEIND	1C	40
DCACUSRSTRCNTL	40	
DCACWWCOQUEUECOUNTER	C0	
KDCAC_LEN	0	100

IXLYDCCC Information

IXLYDCCC Programming Interface information

Programming Interface information

IXLYDCCC

End of Programming Interface information

IXLYDCCC Heading Information • IXLYDCCC Map

IXLYDCCC Heading Information

Common Name: Dumping Castout Class Controls Mapping
Macro ID: IXLYDCCC
DSECT Name: Dccc
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size: DCCC -- X'0020' bytes
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping castout class controls

IXLYDCCC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DCCC	Mapping for castout class controls
0	(0)	SIGNED	4	DCCCCASTOUTCLASSCOUNT	Castout Class Count - specifies the number of data elements associated with entries that are in the indicated castout class
4	(4)	CHARACTER	2		Reserved
6	(6)	BITSTRING	1	DCCCCASTOUTCLASSFLAGS	
		1... ..		(0)	Flag byte
				DCCCCASTOUTCLASSSCANSTATE	"X'80" Castout class scan state If DcccCastoutClassScanId is 0 then the scan is available. Otherwise, if the scan state is 0 then the scan is in progress. Otherwise the scan is complete.
7	(7)	BITSTRING	1	DCCCCASTOUTCLASSSCANID	Castout class scan Id. If it is 0 then the scan is available.
8	(8)	CHARACTER	24		Reserved
8	(8)	X'20'	0	DCCC_LEN	"*-DCCC"

IXLYDDIB Information

IXLYDDIB Programming Interface information

Programming Interface information

IXLYDDIB

End of Programming Interface information

IXLYDDIB Heading Information • IXLYDDIB Map

IXLYDDIB Heading Information

Common Name: Dumping Information Block mappings
Macro ID: IXLYDDIB
DSECT Name: DLte DDil DDic DLucb DLccb DEMc
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size: DLTE -- X'0004' bytes
 DDIL -- X'0040' bytes
 DDIC -- X'0080' bytes
 DLUCB -- X'0080' bytes
 DLCCB -- X'0080' bytes
 DEMC -- X'0040' bytes
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides mappings for:
 Lock table entry (LTE). The LTE contains the Lock table entry information associated with a structure and is mapped by DLte.
 List-entry control block (LECB). The LECB contains the element controls associated with a list structure and is mapped by DDil.
 Directory information block (DIFB). The DIFB contains the element controls associated with a cache structure and is mapped by DDic.
 List-user control block (LUCB). The LUCB contains the list user controls and is mapped by DLucb
 Local-cache control block (LCCB). The LCCB contains the local cache controls and is mapped by DLccb
 Event Monitor control block (EMC). The EMC contains the event monitor controls associated with a list structure and is mapped by DEMc.

IXLYDDIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLTE	Mapping for the Lock table entry
0	(0)	SIGNED	4	DLTEENTRYNUMBER	Lock table entry number - index into the lock table
4	(4)	CHARACTER	1	DLTEENTRYVALUE (0)	
					Lock table entry value - Contents of the lock index in the lock table. To obtain the length of this field, look in the StrBHeader mapping for the field called StrBTableEntryLen. Then subtract the length of the DLteEntryNumber from the This value can only be obtained after using the access service and mapping the output buffer with the StrBHeader mapping.
4	(4)	BITSTRING	1	DLTECONNECTIONID (0)	connection ID
		1... ..		DLTESYSTEMHELD	
					"X'80" 0 => Lock is held by the connection ID found in this lock table entry 1 => Lock is held by the system
4	(4)	X'4'	0	DLTE_LEN	"-DLTE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DDIL	Mapping for List-entry control block
0	(0)	BITSTRING	1	DDILDTLSTENTSIZE	Data elements in entry - the number of data elements in an entry
1	(1)	CHARACTER	7		Reserved
8	(8)	SIGNED	4	DDILLISTNUM	List Number - The number of the list to which the list entry belongs to
12	(C)	CHARACTER	12	DDILLEID	List-entry identifier - A value that identifies a list entry in an object list
24	(18)	CHARACTER	8	DDILVERSIONNUM	Version number - An eight byte value that is conditionally compared and conditionally updated. The version number is initialized to zero when a list entry is created

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
32	(20)	CHARACTER	16	DDILLSTENTKEY (0)	List-entry key - partially designates the position of the list entry on the list. This field is mutually exclusive with DDilLstEntName
32	(20)	CHARACTER	16	DDILLSTENTNAME	List-entry name - fully designates the position of the list entry in the list. It is unique to a list set at any particular instant. This field is mutually exclusive with DDILLstEntKey NOTE - To determine which field to use, check the last two bits in the list structure type (LST) field in the list structure controls (This is mapped by IXLYDLIC). X'10' says that the entry is keyed, not named. X'01' says that the entry is named, not keyed. X'00' indicates that the entry is neither keyed nor named
48	(30)	CHARACTER	8	DDILSCMTOKEN (0)	SCM Token - describes the location of the list entry controls in CF storage class memory. When the list entry controls are located in coupling facility storage class memory, an SCM token is stored. Otherwise zeros are stored. When an SCM token is stored, bit 62 of the SCM token is set to B'1'. Reserved bits 0-55
48	(30)	CHARACTER	7	DDILSCMTOKENBYTE8 (0)	Reserved bits 0-55
55	(37)	BITSTRING	1		
		.... ..1.		DDILLSTENTCNTLLOC	"X'02" =1, an SCM token is stored and the list entry controls reside in CF SCM. =0, the list entry controls reside in CF storage Reserved
56	(38)	CHARACTER	8		Reserved
56	(38)	X'40'	0	KDDIL_LEN	"64" Length of DDil
56	(38)	X'40'	0	DDIL_LEN	"*-DDIL"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	DDIC	Mapping for Directory information block
0	(0)	CHARACTER	16	DDICNAME	Name - The value specified by the program when the named data object is registered in cache
16	(10)	CHARACTER	8	DDICUSERDATA	User-data field - value that is associated with the data when it is initially changed in the facility cache and is maintained until the data table entry is reused. The user data field is valid when the data is cached
24	(18)	BITSTRING	1	DDICSTGCLASS	Storage class - identifies the storage class assigned for the name
25	(19)	CHARACTER	1	DDICFLAGBYTE1 (0)	Flag Byte 1
		1... ..		DDICCHGIND	"X'80" Change indicator
		.1.. ..		DDICDTCACHEDIND	"X'40" Data-cached indicator
		..11 ..		DDICPARITYIND	"X'30" Parity value
		.... 11..		DDICCSTLOCKSTATE	"X'0C" Castout lock state. Values are declared below.
26	(1A)	SIGNED	2	DDICCSTCLASS	Castout class - The value identifies the castout class assigned for the name
28	(1C)	SIGNED	2	DDICCSTLKVAL	Castout lock value - indicates the castout state of the data. Zero means the data is not being castout and if non-zero, the first byte identifies the local cache that is casting out the data block from facility cache to DASD Reserved
30	(1E)	CHARACTER	1	DDICDATAAREASIZE	Data elements in entry - number of elements in an entry
31	(1F)	BITSTRING	1		
32	(20)	CHARACTER	32	DDICLOCCACHEIND	Local-cache indicators
64	(40)	CHARACTER	1	DDICFLAGBYTE3 (0)	Flag Byte 3
		1... ..		DDICLCENVALIND	"X'80" LCEN validity indicator - A 1 in this field indicates that the local cache entry number is valid. A 0 in this field indicates that the local cache entry field is invalid Reserved
65	(41)	CHARACTER	3	DDICLCACHEENTNUM	Local-cache entry number - The value indicates the number of a local cache entry
68	(44)	SIGNED	4		
72	(48)	CHARACTER	8	DDICCACHEVERSION	Cache entry version number. Valid only for structures allocated in a CFLEVEL=5 or higher coupling facility. Reserved
80	(50)	CHARACTER	48	KDDIC_LEN	"128" Length of DDic
80	(50)	X'80'	0		

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Castout lock state values					
Note: To use these values you should reset all of the bits in DDICFLAGBYTE1 except the DDICSTLOCKSTATE bits and then compare the full byte against these values.					
End of Comment					
		.... ....		DDICCOLS_RESET	"B'00000000" The reset state is entered when the name is assigned to the directory entry or when the castout lock is reset to zeros.
		.... .1..		DDICCOLS_READFORCASTOUT	"B'00000100" The read for castout state is entered when the castout lock is obtained by a CASTOUT_DATA request.
		.... 1...		DDICCOLS_WRITEWITHCASTOUT	"B'00001000" The write with castout state is entered when the castout lock is obtained by a WRITE_DATA request specifying GETCOLOCK=YES.
80	(50)	X'80'	0	DDIC_LEN	""-DDIC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLUCB	Mapping for List-user control block
0	(0)	CHARACTER	1		Reserved
1	(1)	CHARACTER	1	DLUCBUSERID	User identifier - The value identifies the user
2	(2)	CHARACTER	5		Reserved
7	(7)	CHARACTER	1	DLUCBFLAGBYTE1 (0)	Flag Byte 1
		1...		DLUCBUSERSTATE	"X'80" User state - state of the user. One indicates attached and zero indicates detached
8	(8)	CHARACTER	8	DLUCBLSTNOTIFYTOKEN	List-notification token - specifies a list notification vector to the system
16	(10)	CHARACTER	16	DLUCUSERAUTH	User authority
32	(20)	CHARACTER	8		Reserved
40	(28)	CHARACTER	8	DLUCBSYSID	System identifier - The value is specified by the program when a message path is activated
48	(30)	CHARACTER	64	DLUCBATTCHCNTL	User Attachment Control - a 64 byte field per attached user
112	(70)	CHARACTER	16		Reserved
112	(70)	X'80'	0	KDLUCB_LEN	"128" Length of DLUCB
112	(70)	X'80'	0	DLUCB_LEN	""-DLUCB"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLCCB	Mapping for Local-cache control block
0	(0)	CHARACTER	1		Reserved
1	(1)	CHARACTER	1	DLCCBLOCCACHEID	Local-cache identifier - Value that identifies a local cache
2	(2)	CHARACTER	5		Reserved
7	(7)	CHARACTER	1	DLCCBFLAGBYTE1 (0)	Flag Byte 1
		11..		DLCCBATTSTATUS	"X'C0" Attachment status - describes the state of the attachment to the local cache. See constant definitions starting with kDLccbAS.
8	(8)	CHARACTER	8	DLCCBLOCCACHETOKEN	Local-cache token - The value is used to identify the local cache on the central processing complexes
16	(10)	CHARACTER	16	DLCCBLCLCACHEAUTH	Local Cache Authority
32	(20)	CHARACTER	8		Reserved
40	(28)	CHARACTER	8	DLCCBSYSID	System identifier - Value specified by the program when a message path is activated
48	(30)	CHARACTER	64	DLCCBATTACHINFO	Attachment Information - A 64 byte value set by the program when the local cache is attached
112	(70)	CHARACTER	16		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
112	(70)	X'80'	0	KDLCCB_LEN	"128" Length of DLccb
Comment					
Attachment status values					
Note: To use these values you should copy the contents of DLccbFlagByte1 to separate storage, mask off all bits except the DLccbAttStatus bits and then compare the masked byte against these values.					
End of Comment					
		.... ....		KDLCCBAS_DETACHED	"B'00000000" Connector detached
		1...		KDLCCBAS_ATTACHED	"B'10000000" Connector attached
		11..		KDLCCBAS_DETACHPENDING	"B'11000000" Connector detach pending
112	(70)	X'80'	0	DLCCB_LEN	"*-DLCCB"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DEMC	Mapping for Event Monitor control block
0	(0)	CHARACTER	1		reserved
1	(1)	BITSTRING	1	DEMCCONID	Connection identifier of the connector associated with the EMC.
2	(2)	CHARACTER	5		reserved
7	(7)	BITSTRING	1	DEMCFLAGS (0)	flags
		.... .1..		DEMCNOTIFYONEVERY	"X'04" ON ==> indicates that an EMC will be queued to the associated event queue whenever a list entry is added to the sublist. OFF ==> indicates that an EMC will be queued to the associated event queue whenever the first list entry is added to the sublist (CFLEVEL 9)
		.... ..1.		DEMCKEYTYPE	"X'02" ON ==> if EMC is associated with a sublist of secondarykeys, indicates DEMCSecondaryKey is valid. OFF ==> if EMC is associated with a sublist of entrykeys, also indicates DEMCListEntKey is valid (CFLEVEL 9)
		.... ..1		DEMCEMCQUEUED	"X'01" 1 indicates EMC is queued to the event queue of connector identified by ConID
8	(8)	SIGNED	4	DEMCLISTNUM	List number of the list with which EMC is associated. Partially designates the subsidiary list
12	(C)	CHARACTER	4		reserved
16	(10)	CHARACTER	32	DEMCLISTENTRYKEYS (0)	EntryKey or Secondary key indicated by DemcKeyType
16	(10)	CHARACTER	32	DEMCENTKEYBUF (0)	KeyType = B'0' Reserved
16	(10)	CHARACTER	16		
32	(20)	CHARACTER	16	DEMCLISTENTKEY	List entry key of sublist with which EMC is associated. Partially designates the subsidiary list
16	(10)	CHARACTER	32	DEMCSECONDARYKEY	KeyType = B'1', SecondaryKey of the sublist with which the EMC is associated. (CFLEVEL 9)
48	(30)	CHARACTER	16	DEMCUNC	User notification control data supplied by connector when this EMC was established to monitor the indicated sublist via IXLLIST REQUEST=MONITOR_SUBLIST, ACTION=START,UNC=xunc
48	(30)	X'40'	0	KDEMC_LEN	"64" Length of DEMc
48	(30)	X'40'	0	DEMC_LEN	"*-DEMC"

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Name	Hex Offset	Hex Value
DDIC	0	
DDIC_LEN	50	80
DDICCACHEVERSION		
	48	
DDICCHGIND	19	80
DDICCOLS_READFORCASTOUT		
	50	4
DDICCOLS_RESET		
	50	0
DDICCOLS_WRITEWITHCASTOUT		
	50	8
DDICCSTCLASS	1A	
DDICCSTLKVAL	1C	
DDICCSTLOCKSTATE		
	19	C
DDICDATAAREASIZE		
	1F	
DDICDTCACHEDIND		
	19	40
DDICFLAGBYTE1		
	19	
DDICFLAGBYTE3		
	40	
DDICLCACHEENTNUM		
	44	
DDICLCENVALIND		
	40	80
DDICLOCCACHEIND		
	20	
DDICNAME	0	
DDICPARITYIND		
	19	30
DDICSTGCLASS	18	
DDICUSERDATA	10	
DDIL	0	
DDIL_LEN	38	40
DDILDTLSTENTSIZE		
	0	
DDILLEID	C	
DDILLISTNUM	8	
DDILLSTENTCNTLLOC		
	37	2
DDILLSTENTKEY		
	20	
DDILLSTENTNAME		
	20	
DDILSCMTOKEN	30	
DDILSCMTOKENBYTE8		
	37	
DDILVERSIONNUM		
	18	
DEMC	0	
DEMC_LEN	30	40
DEMCCONID	1	
DEMCCEMCQUEUED		
	7	1
DEMCENTKEYBUF		
	10	
DEMCFLAGS	7	
DEMCKEYTYPE	7	2
DEMCLISTENTKEY		
	20	
DEMCLISTENTRYKEYS		
	10	
DEMCLISTNUM	8	
DEMCNOTIFYONEVERY		
	7	4
DEMCSECONDARYKEY		
	10	
DEMCUNC	30	
DLCCB	0	
DLCCB_LEN	70	80

Name	Hex Offset	Hex Value
DLCCBATTACHINFO		
	30	
DLCCBATTSTATUS		
	7	C0
DLCCBFLAGBYTE1		
	7	
DLCCBLCLCACHEAUTH		
	10	
DLCCBLOCCACHEID		
	1	
DLCCBLOCCACHETOKEN		
	8	
DLCCBSYSID	28	
DLTE	0	
DLTE_LEN	4	4
DLTECONNECTIONID		
	4	
DLTEENTRYNUMBER		
	0	
DLTEENTRYVALUE		
	4	
DLTESYSTEMHELD		
	4	80
DLUCB	0	
DLUCB_LEN	70	80
DLUCBATTCHCNTL		
	30	
DLUCBFLAGBYTE1		
	7	
DLUCBLSTNOTIFYTOKEN		
	8	
DLUCBSYSID	28	
DLUCBUSERAUTH		
	10	
DLUCBUSERID	1	
DLUCBUSERSTATE		
	7	80
KDDIC_LEN	50	80
KDDIL_LEN	38	40
KDEMC_LEN	30	40
KDLCCB_LEN	70	80
KDLCCBAS_ATTACHED		
	70	80
KDLCCBAS_DETACHED		
	70	0
KDLCCBAS_DETACHPENDING		
	70	C0
KDLUCB_LEN	70	80

IXLYDEIB Information

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IXLYDEIB

End of Programming Interface information

IXLYDEIB Heading Information • IXLYDEIB Map

IXLYDEIB Heading Information

Common Name: Directory Entry Information Block - DEIB
Macro ID: IXLYDEIB
DSECT Name: DEIB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes:
 Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: DEIB -- X'0080' bytes
Created by:
 - Storage area created by IXLCACHE invoker
 - DEIB data created by IXLCACHE service routine
Pointed to by: BUFFER or BUFLIST paramter on IXLCACHE
Serialization: See BUFFER and BUFLIST parameter requirements on the IXLCACHE interface description.
Function: The DEIB maps the information returned for a single cache structure directory entry returned on some IXLCACHE macro requests.

IXLYDEIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DEIB	Directory Entry Information Block
0	(0)	CHARACTER	16	DEIBNAME	Name of the structure entry for which this Deib contains directory information.
16	(10)	CHARACTER	8	DEIBUSERDATA	Directory entry user data field.
24	(18)	SIGNED	1	DEIBSTGCLASS	Storage class associated with the entry.
25	(19)	BITSTRING	1	DEIBBYTEA (0)	Bit level directory entry fields.
		1...		DEIBCHANGED	"X'80" Entry changed bit. 1 ==> any cached subsystem data is changed. 0 ==> any cached subsystem data is unchanged.
		.1..		DEIBCACHED	"X'40" Data-cached indicator. 1 ==> subsystem data is cached for the entry. 0 ==> no subsystem data is cached, e.g. only a directory entry is allocated for the name.
		..11		DEIBPARITY	"X'30" Parity associated with the entry.
		.... 11..		DEIBCOLOCKSTATE	"X'0C" Castout lock state. Values are declared below.
26	(1A)	SIGNED	2	DEIBCOCLASS	Castout class associated with the entry.
28	(1C)	CHARACTER	2	DEIBCOLOCKVAL	Contents of the castout lock for the entry. (First byte is the connection ID, second byte is the process ID.)
30	(1E)	CHARACTER	1		Reserved
31	(1F)	SIGNED	1	DEIBELEMNUM	Cache entry size expressed as the number of elements in the entry
32	(20)	CHARACTER	32	DEIBLCINTEREST	Bit string identifying which connected users have registered interest in the entry. The relative position of a bit in the string associates it with a connection ID. 1 ==> the associated connection has registered interest in the entry. 0 ==> the connection does not have registered interest in the entry. Bit 0 in this string will always be zero.
64	(40)	CHARACTER	8		Reserved
72	(48)	CHARACTER	8	DEIBVERSION	Cache entry version number. Valid only for structures allocated in a CFLEVEL=5 or higher coupling facility.
80	(50)	CHARACTER	48		Reserved
128	(80)	CHARACTER	1	DEIBEND (0)	End of Deib

Comment

Castout lock state values

Note: To use these values you should reset all of the bits in DEIBBYTEA except the DEIBCOLOCKSTATE bits and then compare the full byte against these values.

End of Comment

		.... ....		DEIBCOLS_RESET	"B'00000000" The reset state is entered when the name is assigned to the directory entry or when the castout lock is reset to zeros.
		.... .1..		DEIBCOLS_READFORCASTOUT	"B'00000100" The read for castout state is entered when the castout lock is obtained by a CASTOUT_DATA request.
		.... 1...		DEIBCOLS_WRITEWITHCASTOUT	"B'00001000" The write with castout state is entered when the castout lock is obtained by a WRITE_DATA request specifying GETCOLOCK=YES.
128	(80)	X'80'	0	DEIB_LEN	**_DEIB"

IXLYDEIB Cross Reference

Name	Hex Offset	Hex Value
DEIB	0	
DEIB_LEN	80	80
DEIBBYTEA	19	
DEIBCACHED	19	40
DEIBCHANGED	19	80
DEIBCOCLASS	1A	
DEIBCOLOCKSTATE		
	19	C
DEIBCOLOCKVAL		
	1C	
DEIBCOLS_READFORCASTOUT		
	80	4
DEIBCOLS_RESET		
	80	0
DEIBCOLS_WRITEWITHCASTOUT		
	80	8
DEIBELEMNUM	1F	
DEIBEND	80	
DEIBLCINTEREST		
	20	
DEIBNAME	0	
DEIBPARITY	19	30
DEIBSTGCLASS	18	
DEIBUSERDATA	10	
DEIBVERSION	48	

IXLYDELI Information

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Programming Interface information

IXLYDELI

End of Programming Interface information

IXLYDELI Heading Information • IXLYDELI Map

IXLYDELI Heading Information

Common Name: Delete EntryList Input
Macro ID: IXLYDELI
DSECT Name: DELI
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: DELI1 -- X'0010' bytes
 DELI2 -- X'000C' bytes
 DELI3 -- X'0040' bytes
Created by: Storage area created by IXLLIST or IXLLSTM invoker.
Pointed to by: BUFFER or BUFLIST
Serialization: See BUFFER/BUFLIST parameter requirements on the IXLLIST/IXLLSTM interface description.
Function: Maps the information needed to identify an individual list entry to be deleted via the IXLLIST REQUEST=DELETE_ENTRYLIST or IXLLSTM REQUEST=DELETE_ENTRYLIST service.
 The storage area(s) indicated by BUFFER or BUFLIST on an IXLLSTM REQUEST=DELETE_ENTRYLIST contain an input array of elements. Each element may be mapped by DELI1, DELI2, or DELI3, and contains the information needed for deleting entries from a list.
 The storage area(s) indicated by BUFFER or BUFLIST on an IXLLIST REQUEST=DELETE_ENTRYLIST contain an input array of elements. Each element is mapped by DELI1 or DELI2, and contains the information needed for deleting entries from a list.
 The format (and size) of each element is determined by the structure characteristics, and the options specified on the IXLLSTM/IXLLIST REQUEST=DELETE_ENTRYLIST.
 Each element in the array is mapped DELI1 when:
 1. IXLLSTM REQUEST=DELETE_ENTRYLIST is specified with LISTTYPE=NAMELIST and VERSIONCOMPARE=YES or VERSIONCOMPARE=NO
 2. IXLLIST REQUEST=DELETE_ENTRYLIST is specified with LISTTYPE=NAMELIST.
 Each element in the array is mapped DELI2 when:
 1. IXLLSTM REQUEST=DELETE_ENTRYLIST is specified with LISTTYPE=IDLIST and VERSIONCOMPARE=YES or VERSIONCOMPARE=NO
 2. IXLLIST REQUEST=DELETE_ENTRYLIST is specified with LISTTYPE=IDLIST.
 Each element in the array is mapped DELI3 when:
 1. IXLLSTM REQUEST=DELETE_ENTRYLIST is specified with VERSIONCOMPARE=BYENTRY.

IXLYDELI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DELI1	Delete EntryList Input
0	(0)	CHARACTER	16	DELI1_LIST_ENTRYNAME	List Entry Name of entry to be deleted when LISTTYPE=NAMELIST is specified.
16	(10)	CHARACTER	1	DELI1_END (0)	End of DELI type 1
16	(10)	X'10'	0	DELI1_LEN	**-DELI1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DELI2	Delete EntryList Input
0	(0)	CHARACTER	12	DELI2_LIST_ENTRYID	List Entry Id of entry to be deleted when LISTTYPE=IDLIST is specified.
12	(C)	CHARACTER	1	DELI2_END (0)	End of DELI type 2
12	(C)	X'C'	0	DELI2_LEN	**-DELI2"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	DELI3	Delete EntryList Input
0	(0)	CHARACTER	16	DELI3_LIST_ENTRYNAME (0)	List Entry Name which identifies the entry to be deleted when LISTTYPE=NAMELIST is specified.
0	(0)	CHARACTER	12	DELI3_LIST_ENTRYID	List Entry Id which identifies the entry to be deleted when LISTTYPE=IDLIST is specified.
16	(10)	CHARACTER	4	DELI3_FLAGS (0)	Reserved
20	(14)	BITSTRING 11..	1	DELI3_VERSCOMPTYPE	Flags "X'0C" Version comparison type. Designates how the list entry version number is to be compared when VERSIONCOMPARE=BYENTRY is specified on IXLSTM. 00 - No comparison 01 - The version number in the list entry must be equal to the version number in Deli3_VersComp. 11 - The version number in the list entry must be less than or equal to the version number specified in Deli3_VersComp. Reserved
21	(15)	CHARACTER	11	DELI3_VERSCOMP	Reserved
32	(20)	CHARACTER	8	DELI3_VERSCOMP	Comparative version number specifies the value to be compared to the version number of the designated entry when Deli3_VersCompType is not "none". Reserved
40	(28)	CHARACTER	24	DELI3_END (0)	Reserved
64	(40)	CHARACTER	1	DELI3_END (0)	End of DELI type 3

Comment

Deli3_VersCompType and Deli3_VersComp only apply to the list entry designated by Deli3_List_EntryName or Deli3_List_EntryId in each array element.

End of Comment

....	....	DELI_VERSCOMPTYPE_NONE	"B'00000000"	
....	.1..	DELI_VERSCOMPTYPE_EQUAL	"B'00000100"		
....	11..	DELI_VERSCOMPTYPE_LESOREQUAL	"B'00001100"		
64	(40)	X'40'	0	DELI3_LEN	**-DELI3"

IXLYDELI Cross Reference

Name	Hex Offset	Hex Value
DELI_VERSCOMPTYPE_EQUAL	40	4
DELI_VERSCOMPTYPE_LESOREQUAL	40	C
DELI_VERSCOMPTYPE_NONE	40	0
DELI1	0	
DELI1_END	10	
DELI1_LEN	10	10
DELI1_LIST_ENTRYNAME	0	
DELI2	0	
DELI2_END	C	
DELI2_LEN	C	C
DELI2_LIST_ENTRYID	0	
DELI3	0	
DELI3_END	40	
DELI3_FLAGS	14	
DELI3_LEN	40	40
DELI3_LIST_ENTRYID	0	
DELI3_LIST_ENTRYNAME	0	
DELI3_VERSCOMP	20	
DELI3_VERSCOMPTYPE	14	C

IXLYDEQC Information

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IXLYDEQC Heading Information • IXLYDEQC Map

IXLYDEQC Heading Information

Common Name: Dumping Event Queue Controls Mapping
Macro ID: IXLYDEQC
DSECT Name: DEQC
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size: DEQC -- X'0020' bytes
Created by: IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping Event Queue controls

IXLYDEQC Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	DEQC	Mapping for the event queue controls	
0	(0)	CHARACTER	1		reserved	
1	(1)	SIGNED	1	DEQCCONID	Connection ID	
2	(2)	CHARACTER	5		reserved	
7	(7)	BITSTRING	1	DEQCFLAGS (0)	Flags	
		1...		DEQCEVENTQDRIVEEXIT	"X'80" Event notification request type. 1 indicates that the connection list transition exit will be driven when an empty to not empty state transition occurs. The user specified IXLLIST REQUEST=MONITOR_EVENTQ, ACTION=START, DRIVEEXIT=YES.	
		.1..		DEQCEVENTQMONITORINGACTIVE	"X'40" Event queue monitoring active. 1 indicates that the user associated with the event queue is monitoring the event queue	
		..1.		DEQC_EVENTQUEUEUETYPE	"X'20" 1 = Event queue has EMCs for sublists of Secondary keys, 0 = Event queue has EMCs for sublists of Entry keys (LEVEL 9)	
8	(8)	SIGNED	4	DEQCEVENTQVECTORINDEX	Event notification vector index number specifies a list notification vector entry associated with this event queue	
12	(C)	SIGNED	4	DEQCEVENTQCNT	Event monitor controls queued count - specifies the number of event monitor controls queued to the event queue	
16	(10)	SIGNED	4	DEQCEVENTQTRANSOUNT	Event queue state transition count - specifies the approximate number of empty to not empty event queue transitions that have occurred since the connector became active	
20	(14)	CHARACTER	12		reserved	
						Comment
Length Constants						
						End of Comment
20	(14)	X'20'	0	KDEQC_LEN	"32" Length of DEQC	
20	(14)	X'20'	0	DEQC_LEN	"*-DEQC"	

IXLYDEQC Cross Reference

Name	Hex Offset	Hex Value
DEQC	0	
DEQC_EVENTQUEUEUETYPE	7	20
DEQC_LEN	14	20
DEQC_CONID	1	
DEQCEVENTQCNT	C	
DEQCEVENTQDRIVEEXIT	7	80
DEQCEVENTQMONITORINGACTIVE	7	40
DEQCEVENTQTRANSCOUNT	10	
DEQCEVENTQVECTORINDEX	8	
DEQCFLAGS	7	
KDEQC_LEN	14	20

IXLYDLC Information

IXLYDLC Programming Interface information

Programming Interface information

IXLYDLC

End of Programming Interface information

IXLYDLC Heading Information • IXLYDLC Map

IXLYDLC Heading Information

Common Name: Dumping List Controls Mapping
Macro ID: IXLYDLC
DSECT Name: Dlc DlcListMonTblEntry
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size: DLC -- X'0108' bytes
 DLCLISTMONTBLENTY -- X'0008' bytes
 DLCKRGEMONTBLENTY -- X'0008' bytes
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping list header controls and the list monitor table entries found in the list controls.

IXLYDLC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLC	Mapping for list header controls
0	(0)	CHARACTER	256	DLCCNTLINFO (0)	Fixed area in the list number controls
0	(0)	CHARACTER	18		Reserved
18	(12)	BITSTRING	1	DLCLISTFLAGS (0)	Flag byte
		1...		DLCLISTSETSCANSTATE	"X'80" List set scan state If DlcListSetScanId is 0 then the scan is available. Otherwise, if the scan state is 0 then the scan is in progress. Otherwise the scan is complete. (LEVEL8)
19	(13)	BITSTRING	1	DLCLISTSETSCANID	List set scan Id. If it is 0 then the scan is available. (LEVEL8)
20	(14)	CHARACTER	3		Reserved
23	(17)	BITSTRING	1	DLCLIFLAGS (0)	Flags
		1...		DLCCURSORDIRECTION	"X'80" Cursor direction, 0=head to tail, 1=tail to head (LEVEL1)
		..1.		DLCELEMCOUNTINDICATOR	"X'20" Element Count Indicator (ECI) (LEVEL19) 0 = List-entry count (LEC) and list-entry-count limit (LECL) are defined. 1 = List-element count (LELC) and list-element-count limit (LELCL) are defined
24	(18)	SIGNED	4	DLCLISTENTRYCOUNTLIMIT (0)	List entry count limit - specifies the maximum number of possible list entries in a list
24	(18)	SIGNED	4	DLCLISTELEMENTCOUNTLIMIT	List element count limit - specifies the maximum number of possible list elements in a list
28	(1C)	SIGNED	4	DLCLISTENTRYCOUNT (0)	List entry count - number of list entries currently on a list that reside in CF real memory
28	(1C)	SIGNED	4	DLCLISTELEMENTCOUNT	List element count - number of list elements currently on a list that reside in CF real memory
32	(20)	SIGNED	4	DLCLSTSTETRANSCT	List state transition count - specifies the number of empty to not empty list state transitions that have occurred
36	(24)	CHARACTER	12	DLCLISTCURSOR	List Cursor
48	(30)	CHARACTER	16	DLCLISTAUTH	List Authority
64	(40)	CHARACTER	32	DLCLISTDESC	List Description - The user specified description of the list
96	(60)	CHARACTER	16	DLCLISTKEY	List key for key assignment (LEVEL1)
112	(70)	CHARACTER	16	DLCMAXLISTKEY	Maximum list key for key assignment (LEVEL1)
128	(80)	CHARACTER	16	DLCKEYRANGESTART	Lower or starting value of key range (LEVEL9)
144	(90)	CHARACTER	16	DLCKEYRANGEEND	Upper or ending value of key range (LEVEL9)
160	(A0)	SIGNED	4	DLCKEYRANGEEMPTYCOUNT	Number of entries that must remain in the keyrange to suppress a notempty to empty list notification (LEVEL9)
164	(A4)	SIGNED	4	DLCKEYRANGENOTEMPTYCOUNT	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
168	(A8)	SIGNED	4	DLCLISTEMPTYCOUNT	Number of entries that must be included in the key range before an empty to notempty list notification is generated (LEVEL9)
172	(AC)	SIGNED	4	DLCLISTNOTEMPTYCOUNT	Number of entries that must remain in the list to suppress a notempty to empty list notification (LEVEL9)
176	(B0)	CHARACTER	8	DLCSCLISTENTRYCOUNT	Number of entries that must be included in the list before an empty to notempty list notification is generated (LEVEL9)
184	(B8)	CHARACTER	8	DLCSCLISTELEMENTCOUNT	SCM List entry count. The number of list entries that reside in storage class memory (CFLEVEL 19)
192	(C0)	CHARACTER	64		SCM List element count. The number of list elements that reside in storage class memory (CFLEVEL 19)
256	(100)	CHARACTER	8	DLCLISTMONTBLENTYARR	Reserved
256	(100)	X'108'	0	DLCLISTMONTBLENTYARR	Array of list monitor table entries (LEVEL < 9) or an array of list monitor table entries followed by an array of keyrange monitor table entries (LEVEL >= 9)
256	(100)	X'108'	0	DLCLISTMONTBLENTYARR	""-DLC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLCLISTMONTBLENTYARR	List monitor table entry - contains info used to process the list notification vector of each user who has registered interest in the state transition of the list
0	(0)	CHARACTER	1	DLCLISTMONFLAGS (0)	Flag byte
		1...		DLCLISTMONACTIVE	"X'80" List monitoring active bit - zero indicates that list monitoring was not active. One indicates that list monitoring was active
		.1..		DLCLISTNOTIFYREQTYPE	"X'40" List notification request type
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	DLCLISTNOTIFYENTRYNUM	List notification entry number - The number of list notification entry number
4	(4)	X'8'	0	DLCLISTMONTBLENTY_LEN	""-DLCLISTMONTBLENTY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLCKRGEMONTBLENTYARR	Key range monitor table entry - contains info used to process the list notification vector of each user who has registered interest in the state transition of the keyrange
0	(0)	CHARACTER	1	DLCKRGEMONFLAGS (0)	Flag byte
		1...		DLCKRGEMONACTIVE	"X'80" KeyRange monitoring active bit - zero indicates keyrange monitoring was not active. One indicates that keyrange monitoring was active
		.1..		DLCKRGENOTIFYREQTYPE	"X'40" KeyRange notification request type
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	DLCKRGENOTIFYENTRYNUM	KeyRange notification entry number - The number of keyrange notification vector entry
4	(4)	X'8'	0	DLCKRGEMONTBLENTY_LEN	""-DLCKRGEMONTBLENTY"

IXLYDLC Cross Reference

IXLYDLC Cross Reference

Name	Hex Offset	Hex Value
DLC	0	
DLC_LEN	100	108
DLCCNTLINFO	0	
DLCCURSORDIRECTION		
	17	80
DLCELEMCOUNTINDICATOR		
	17	20
DLCLFLAGS	17	
DLCKEYRANGEEMPTYCOUNT		
	A0	
DLCKEYRANGEEND		
	90	
DLCKEYRANGENOTEMPTYCOUNT		
	A4	
DLCKEYRANGESTART		
	80	
DLCKRGEMONACTIVE		
	0	80
DLCKRGEMONFLAGS		
	0	
DLCKRGEMONTBENTRY		
	0	
DLCKRGEMONTBENTRY_LEN		
	4	8
DLCKRGENOTIFYENTRYNUM		
	4	
DLCKRGENOTIFYREQTYPE		
	0	40
DLCLISTAUTH	30	
DLCLISTCURSOR		
	24	
DLCLISTDESC	40	
DLCLISTELEMENTCOUNT		
	1C	
DLCLISTELEMENTCOUNTLIMIT		
	18	
DLCLISTEMPTYCOUNT		
	A8	
DLCLISTENTRYCOUNT		
	1C	
DLCLISTENTRYCOUNTLIMIT		
	18	
DLCLISTFLAGS	12	
DLCLISTKEY	60	
DLCLISTMONACTIVE		
	0	80
DLCLISTMONFLAGS		
	0	
DLCLISTMONTBENTRY		
	0	
DLCLISTMONTBENTRY_LEN		
	4	8
DLCLISTMONTBENTRYARR		
	100	
DLCLISTNOTEMPTYCOUNT		
	AC	
DLCLISTNOTIFYENTRYNUM		
	4	
DLCLISTNOTIFYREQTYPE		
	0	40
DLCLISTSETSCANID		
	13	
DLCLISTSETSCANSTATE		
	12	80
DLCLSTSTETTRANSCT		
	20	
DLCMAXLISTKEY		
	70	
DLCSCLISTELEMENTCOUNT		
	B8	
DLCSCLISTENTRYCOUNT		
	B0	

IXLYDLCC Information

IXLYDLCC Programming Interface information

Programming Interface information

IXLYDLCC

End of Programming Interface information

IXLYDLCC Heading Information • IXLYDLCC Map

IXLYDLCC Heading Information

Common Name: Dumping Local Cache Controls Mapping
Macro ID: IXLYDLCC
DSECT Name: Dlcc
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
Key: User Defined
Residency: User Defined
DLCC -- X'0020' bytes
Size:
Created by: User
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping local cache controls

IXLYDLCC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLCC	, Mapping for the local cache controls
0	(0)	SIGNED	4	DLCCNUMATTCHEDUSERS	Number of attached users
4	(4)	CHARACTER	28		reserved
4	(4)	X'20'	0	DLCC_LEN	**-DLCC"

IXLYDLIC Information

IXLYDLIC Programming Interface information

Programming Interface information

IXLYDLIC

End of Programming Interface information

IXLYDLIC Heading Information • IXLYDLIC Map

IXLYDLIC Heading Information

Common Name: Dumping List Structure Controls Mapping
Macro ID: IXLYDLIC
DSECT Name: DLIC
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes:
 Subpool: User Defined
 Key: User Defined
 Residency: User Defined
Size:
 DLICEXTSTRUCTURECONTROLS -- X'0200' bytes
 DLICDUPLEXINGCONTROLS -- X'003C' bytes
 DLIC -- X'0100' bytes
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping List Structure controls.

IXLYDLIC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLIC	Mapping for List Structure controls
0	(0)	CHARACTER	23		Reserved
23	(17)	CHARACTER	1	DLICFLAGBYTE3 (0)	Flag Byte 3 (LEVEL1)
	1... ..			DLICDUPLEXINGSTATE	"X'80" Duplexing State - Indicates that a structure is in a state of being duplexed (LEVEL11)
	.1.. ..			DLICWAITONREADYTOCOMP	"X'40" Wait on ready to complete list indicator - Indicates the sending of the RTC signal is delayed until the RTC is received. During this time no resources can be held for the list item being processed (LEVEL11)
	..1.			DLICIRTCEI	"X'20" Indicates enablement of Immediate RTC Completion. (LEVEL16)
	.... .1..			DLICMONREAPPINPROGRESS	"X'04" Monitor reapportionment in progress indicator (LEVEL4). 1 indicates that the list structure monitor to entry storage ratio is being reapportioned. 0 indicates that the list structure monitor to entry storage ratio is not being reapportioned.
	.... ..1.			DLICREAPPINPROGRESS	"X'02" Entry reapportionment in progress indicator (LEVEL1). 1 indicates that the list structure entry to element storage ratio is being reapportioned. 0 indicates that the list structure entry to element storage ratio is not being reapportioned.
	.... ...1			DLICSIZECHNGINPROGRESS	"X'01" Structure size change in progress indicator (LEVEL1)
24	(18)	BITSTRING	1	DLICMAXDTLSTENTSIZ	Maximum data list entry size - specifies the maximum size of a data list entry as an integral multiple of the list element size. The valid values are 1-255
25	(19)	CHARACTER	1	DLICFLAGBYTE2 (0)	Flag Byte 2
25	(19)	BITSTRING	1	DLICLISTSTRTYPE (0)	List Structure type - indicates the list objects created on allocation
	1... ..			DLICLISTSTR_SKI	"X'80" Secondary key indicator bit 0 0 ==> Secondary keys are not supported. 1 ==> Secondary keys are supported. (LEVEL9)
	.1..			DLICLISTSTR_PLEIDI	"X'40" PLEID indicator, bit 1 - 0 indicates that the structure supports programmable list entry identifiers. (LEVEL8)
	..1.			DLICLISTSTR_CI	"X'20" Counter indicator, bit 2 - 0 indicates that the list entry count and list entry count limit are defined. 1 indicates that the list element count and list element count limit are defined
	...1			DLICLISTSTR_LOCK	"X'10" Locks requested, bit 3 - 0 indicates that no lock table is allocated. 1 indicates that a lock table is allocated
	.... 1...			DLICLISTSTR_DATA	"X'08" Data requested, bit 4 - 0 indicates that the list entries do not have data. 1 indicates that the list entries do have data
	.... .1..			DLICLISTSTR_ADJ	"X'04" Adj requested, bit 5 - 0 indicates that the list entries do not have adjunct data. 1 indicates that the list entries so do have adjunct data
	.... ..1.			DLICLISTSTR_NSR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		DLICLISTSTR_KSR	"X'02" Name support, bit 6 - 0 indicates that the list entries are not named. 1 indicates that the list entries are named
26	(1A)	BITSTRING	1	DLICLKTBLENTCHAR	"X'01" Key support, bit 7 - 0 indicates that the list entries are not keyed. 1 indicates that the list entries are keyed
27	(1B)	BITSTRING	1	DLICLSTELEMCHAR	Lock-table-entry characteristic - specifies the number of bytes in each lock table entry. This is ignored if a lock table is not created
28	(1C)	SIGNED	4	DLICMINSTRSIZE	List element characteristic - specifies the number of bytes in each element
32	(20)	SIGNED	4	DLICLKTBLENTCT	Minimum Structure Size - specifies the minimum number of 4K units of facility storage that can be allocated for the list with the requested attributes. Note that the structure can be allocated smaller than this, but if so, structure attributes such as the entry/element ratio will differ significantly from those which were requested.
36	(24)	SIGNED	4	DLICLISTCT	Lock-table-entry count - specifies the number of lock table entries allocated. This is ignored if a lock table is not created
40	(28)	SIGNED	4	DLICSTRSIZE	List count - specifies the number of lists created
44	(2C)	SIGNED	4	DLICMAXSTRSIZE	Structure size - specifies the number of 4K units of facility storage allocated for the structure
48	(30)	SIGNED	4	DLICTGTSTRSIZE	Maximum Structure size - specifies the max number of 4K units of storage blocks that can be allocated
52	(34)	SIGNED	4	DLICTGTMAXELEMCT	Target Structure Size - specifies the target number of 4K units for facility storage to be allocated for the list
56	(38)	SIGNED	4	DLICTGTMAXENTRYCT	Target Maximum element count - specifies the target for the maximum number of list elements that are available for assignment to list entries or retry data blocks, or both
60	(3C)	SIGNED	4	DLICMAXLSTSTRELEMCT	Target Maximum Entry Count - specifies the target for the maximum number of possible list entries in a list structure
64	(40)	SIGNED	4	DLICLSTSTRELEMCT	Maximum list structure element count - specifies the max number of list elements that are available for assignment to list entries. This count is only substantially accurate.
68	(44)	SIGNED	4	DLICNZLKTBLENTCT	List Structure element count - specifies the number of list elements that have been assigned to list entries.
72	(48)	SIGNED	4	DLICMAXLSTENTCT	Nonzero lock-table-entry count - specifies the number of nonzero lock table entries that exist in the structure. This is ignored if the lock table is not created
76	(4C)	SIGNED	4	DLICLSTENTCT	Maximum list-structure-entry- count - specifies the maximum number of possible list entries in a list structure. This count is only substantially accurate.
80	(50)	CHARACTER	16	DLICSTRAUTH	List-structure-entry count - specifies the number of existing list entries in the list structure
96	(60)	CHARACTER	32	DLICUSRSTRCNTL	Structure Authority - A 16 byte value associated with each bit in the SID vector
128	(80)	BITSTRING	32	DLICUIDVECTOR	User Structure Control - a 32 byte field defined by the user
160	(A0)	SIGNED	4	DLICPENDENTTOELEM(0)	UID Vector - A bit string with an initial value of zero. A bit is set to one when a user is assigned with a user ID of i. The bit at position i is set to 0 when the user is unassigned
160	(A0)	SIGNED	2	DLICPENDENTTOELEMENT	Pending entry to element ratio (LEVEL1)
162	(A2)	SIGNED	2	DLICPENDENTTOELEM	Pending entry to element ratio, entry portion (LEVEL1)
164	(A4)	SIGNED	4	DLICMARGINALSTRSIZE	Pending entry to element ratio, element portion (LEVEL1)
168	(A8)	SIGNED	4	DLICEMCCT	Marginal structure size - true minimum size with which the structure can be allocated (LEVEL1)
172	(AC)	SIGNED	4	DLICMAXEMCCT	Event monitor controls count - the number of event monitor controls objects which are currently in use in the structure (LEVEL3)
176	(B0)	SIGNED	4	DLICTGTMAXEMCCT	Maximum event monitor controls count - the maximum number of event monitor controls, as currently allocated in the structure (LEVEL3)
					Target maximum event monitor controls count - the target maximum number of event monitor controls (LEVEL3)

IXLYDLIC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
180	(B4)	SIGNED	4	DLICPENDMONTONENTRATIO (0)	Pending monitor to entry storage ratio (LEVEL 4)
180	(B4)	SIGNED	2	DLICPENDMONTONENTMON	Pending monitor to entry ratio, monitor portion (LEVEL4)
182	(B6)	SIGNED	2	DLICPENDMONTONENTENT	Pending monitor to entry ratio, entry portion (LEVEL4)
184	(B8)	SIGNED	4	DLICLISTSETCURSOR	List Set Cursor storage ratio (LEVEL 8)
188	(BC)	SIGNED	4	DLICSTRCOPYCNTLVERSION	Structure copy controls version number (LEVEL 8)
192	(C0)	CHARACTER	32	DLICEXTUSERSTRCONTROLS	Extended user structure controls (LEVEL 8)
224	(E0)	CHARACTER	1	DLICMAXIMUMUSERID	Maximum User Identifier (LEVEL10)
225	(E1)	CHARACTER	7		Reserved
232	(E8)	SIGNED	4	DLICSLND	Subsidiary list notification delay (SLND). Bit positions 0-31 correspond to bit positions 32-63 of the CPU timer. Bit 19 represents one microsecond. (LEVEL16)
236	(EC)	CHARACTER	1	DLICOFFSET236 (0)	237th byte
		.... 1111		DLICSSX	"X'0F" Signalling Segment Index - identifies the segment of the local signalling vector array that is used to receive duplexing signals for the list structure that are initiated by the remote facility when duplexing is active. Zero when DLiclrcei is OFF. (LEVEL16)
237	(ED)	CHARACTER	1	DLICOFFSET237 (0)	238th byte
		.... 1111		DLICDSSX	"X'0F" Duplex Signalling Segment Index - identifies the segment of the remote-facility signalling vector array that is the target of duplexing signals for the peer list structure when duplexing is active. Set when the structure is made duplexing active. Zero when DLiclrcei is OFF. (LEVEL16)
238	(EE)	SIGNED	2	DLICDRXL	Duplex retry index limit - specifies the maximum duplexing retry index value that is supported for duplexing signals targeted to the remote-facility duplexed list structure. Zero when DLiclrcei is OFF. (LEVEL16)
240	(F0)	CHARACTER	8	DLICSTREXECUTIONTIME	Time CF spent executing work related to this structure. (LEVEL15)
248	(F8)	CHARACTER	8		Reserved
248	(F8)	X'100'	0	DLIC_LEN	"*-DLIC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLICDUPLEXINGCONTROLS	Duplexing controls from the dump header
0	(0)	CHARACTER	32	DLICDUPCONNODEDESC	node descriptor
32	(20)	CHARACTER	16	DLICDUPCONSTRUCTAUTH	Structure authority
48	(30)	CHARACTER	8	DLICDUPCONSYSID	System id
56	(38)	CHARACTER	2		reserved
58	(3A)	CHARACTER	2	DLICDUPCONSTRUCTUREID	Structure Id
58	(3A)	X'3C'	0	DLICDUPLEXINGCONTROLS_LEN	"*-DLICDUPLEXINGCONTROLS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLICEXTSTRUCTURECONTROLS	Mapping for extended List Structure Controls (LEVEL19)
0	(0)	SIGNED	8	DLICEXTSTRCON_MXSCM	Maximum storage-class memory the structure can use in 4K blocks
8	(8)	BITSTRING	1	DLICEXTSTRCON_SCMAT	SCM Algorithm Type
9	(9)	BITSTRING	1	DLICEXTSTRCON_SCMEUT	SCM expeditious upper threshold
10	(A)	BITSTRING	1	DLICEXTSTRCON_SCMFT	SCM full threshold
11	(B)	CHARACTER	1		Reserved
12	(C)	SIGNED	4	DLICEXTSTRCON_MSBECC	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
16	(10)	SIGNED	4	DLICEXTSTRCON_MSBELC	The maximum number of list entries that can be stored in a single storage-class memory buffer
20	(14)	SIGNED	4	DLICEXTSTRCON_MNELC	The maximum number of list elements that can be stored in a single storage-class memory buffer
24	(18)	SIGNED	4	DLICEXTSTRCON_MNEC	Minimum element count
28	(1C)	CHARACTER	8		Reserved
36	(24)	SIGNED	4	DLICEXTSTRCON_FXAUS	Fixed augmented space in 4K blocks
40	(28)	CHARACTER	4		Reserved
44	(2C)	SIGNED	4	DLICEXTSTRCON_IUAUS	In-use augmented space in 4K blocks
48	(30)	SIGNED	8	DLICEXTSTRCON_IUSCM	In-use storage-class memory by the structure in 4K blocks
56	(38)	CHARACTER	4		Reserved
60	(3C)	SIGNED	4	DLICEXTSTRCON_EMXAUS	Estimated maximum space in 4K blocks that may be assigned as augmented space for the structure
64	(40)	SIGNED	8	DLICEXTSTRCON_EMSEC	Estimated maximum number of list entries that may reside in storage-class memory for the structure
72	(48)	SIGNED	8	DLICEXTSTRCON_EMSELC	Estimated maximum number of list elements that may reside in storage-class memory for the structure
80	(50)	SIGNED	8	DLICEXTSTRCON_SLSEC	Number of existing structure list entries in the list set that reside in storage-class memory
88	(58)	SIGNED	8	DLICEXTSTRCON_SLSELC	Number of existing structure list elements in the list set that reside in storage-class memory
96	(60)	BITSTRING	1	DLICEXTSTRCON_SCMLT	Percentage of the list entry and list element counts that determines the lower threshold for migration between storage-class memory and CF storage
97	(61)	BITSTRING	1	DLICEXTSTRCON_SCMUT	Percentage of the list entry and list element counts that determines the upper threshold for migration from CF storage to storage-class memory
98	(62)	BITSTRING	1	DLICEXTSTRCON_SCMLTR	Percentage of the list entry and list element counts that determines the lower threshold regulator for migration between CF SCM and CF real storage. The lower threshold regulators are used to stop migration from CF SCM into CF real storage after being triggered by the lower threshold
99	(63)	BITSTRING	1	DLICEXTSTRCON_SCMUTR	Percentage of the list entry and list element counts that determines the upper threshold regulator for migration between CF real storage and CF SCM. The upper threshold regulators are used to stop migration from CF real storage into CF SCM after being triggered by the upper threshold
100	(64)	SIGNED	4	DLICEXTSTRCON_SCMWC	SCM write count. Number of list write operations performed to storage class memory
104	(68)	SIGNED	4	DLICEXTSTRCON_SCMRFC	SCM read after fault count. The number of read operations against storage-class memory that were initiated by a reference to list structure objects residing on storage class memory
108	(6C)	SIGNED	4	DLICEXTSTRCON_SCMRPC	SCM read for prefetch count. The number of read operations against storage-class memory that were initiated as a prefetch operation in order to retrieve list structure objects on storage-class memory that are expected to be referenced
112	(70)	SIGNED	8	DLICEXTSTRCON_SRSTFM	The accumulated service times in microseconds for read operations to storage-class memory
120	(78)	SIGNED	8	DLICEXTSTRCON_SRSTSM	The accumulated squares of service times, in squared microsecond units for read operations to storage-class memory
128	(80)	SIGNED	8	DLICEXTSTRCON_SWSTFM	The accumulated service times in microseconds for write operations to storage-class memory
136	(88)	SIGNED	8	DLICEXTSTRCON_SWSTSM	The accumulated squares of service times, in squared microsecond units, for write operations to storage class memory
144	(90)	SIGNED	8	DLICEXTSTRCON_SCMRBT	

IXLYDLIC Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
152	(98)	SIGNED	8	DLICEXTSTRCON_SCMWBT	SCM read bytes transferred. Number of bytes in 4K-byte units transferred from storage class memory to CF storage
160	(A0)	SIGNED	4	DLICEXTSTRCON_SAECC	SCM write bytes transferred. Number of bytes in 4K-byte units transferred from CF storage to storage-class memory
164	(A4)	SIGNED	4	DLICEXTSTRCON_SRCC1C	SCM auxiliary enabled command count. Number of commands that required the use of CF auxiliary frames
168	(A8)	SIGNED	4	DLICEXTSTRCON_SRCC2C	SCM reference count 1 - The number of references against storage-class memory to locate list structure objects
172	(AC)	SIGNED	4	DLICEXTSTRCON_SRCC3C	SCM reference count 2 - The number of references against storage-class memory to resolve list entry key hashing
176	(B0)	SIGNED	4	DLICEXTSTRCON_SRCC4C	SCM reference count 3 - The number of references against storage-class for the purpose of migrating list structure objects from CF storage to storage-class memory to allow for the creation of new list structure objects in CF storage
180	(B4)	CHARACTER	332		SCM reference count 4 - The number of commands that were suppressed because storage-class memory migration was required to complete key-range initialization Reserved
Comment					
Length Constants					
End of Comment					
180	(B4)	X'100'	0	KDLIC_LEN	"256" Length of DLIC
180	(B4)	X'200'	0	DLICEXTSTRUCTURECONTROLS_LEN	""-DLICEXTSTRUCTURECONTROLS"

IXLYDLIC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DLIC	0			C	
DLIC_LEN	F8	100	DLICEXTSTRCON_MSBELC		
DLICDRXL	EE			10	
DLICDSSX	ED	F	DLICEXTSTRCON_MXSCM		
DLICDUPCONNODEDESC				0	
	0		DLICEXTSTRCON_SAECC		
DLICDUPCONSTRUCTAUTH				A0	
	20		DLICEXTSTRCON_SCMAT		
DLICDUPCONSTRUCTUREID				8	
	3A		DLICEXTSTRCON_SCMEUT		
DLICDUPCONSYSID				9	
	30		DLICEXTSTRCON_SCMFT		
DLICDUPLEXINGCONTROLS				A	
	0		DLICEXTSTRCON_SCMLT		
DLICDUPLEXINGCONTROLS_LEN				60	
	3A	3C	DLICEXTSTRCON_SCMLTR		
DLICDUPLEXINGSTATE				62	
	17	80	DLICEXTSTRCON_SCMRBT		
DLICEMCCT	A8			90	
DLICEXTSTRCON_EMSEC			DLICEXTSTRCON_SCMRFC		
	40			68	
DLICEXTSTRCON_EMSEL			DLICEXTSTRCON_SCMRPC		
	48			6C	
DLICEXTSTRCON_EMXAUS			DLICEXTSTRCON_SCMUT		
	3C			61	
DLICEXTSTRCON_FXAUS			DLICEXTSTRCON_SCMUTR		
	24			63	
DLICEXTSTRCON_IUAUS			DLICEXTSTRCON_SCMWBT		
	2C			98	
DLICEXTSTRCON_IUSCM			DLICEXTSTRCON_SCMWC		
	30			64	
DLICEXTSTRCON_MNEC			DLICEXTSTRCON_SLSEC		
	18			50	
DLICEXTSTRCON_MNELC			DLICEXTSTRCON_SLSELC		
	14			58	
DLICEXTSTRCON_MSBE			DLICEXTSTRCON_SRCC1C		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DLICEXTSTRCON_SRCC2C	A4		DLICOFFSET236	44	
DLICEXTSTRCON_SRCC3C	A8		DLICOFFSET237	EC	
DLICEXTSTRCON_SRCC4C	AC		DLICPENDENTTOELEM	ED	
DLICEXTSTRCON_SRSTFM	B0		DLICPENDENTTOELEMENT	A2	
DLICEXTSTRCON_SRSTSM	70		DLICPENDENTTOELEM	A0	
DLICEXTSTRCON_SWSTFM	78		DLICPENDENTTOELEM	A0	
DLICEXTSTRCON_SWSTSM	80		DLICPENDMONT	B6	
DLICEXTSTRUCTURECONTROLS	88		DLICPENDMONT	B4	
DLICEXTSTRUCTURECONTROLS_LEN	0	200	DLICPENDMONT	B4	
DLICEXTUSERSTRCONTROLS	B4		DLICREAPPINPROGRESS	17	2
DLICFLAGBYTE2	C0		DLICSIZECHNGINPROGRESS	17	1
DLICFLAGBYTE3	19		DLICSLND	E8	
DLICIRTCEI	17	20	DLICSSX	EC	F
DLICLISTCT	24		DLICSTRAUTH	50	
DLICLISTSETCURSOR	B8		DLICSTRCOPYCNTLVERSION	BC	
DLICLISTSTR_ADJ	19	4	DLICSTREXECUTIONTIME	F0	
DLICLISTSTR_CI	19	20	DLICSTRSIZE	28	
DLICLISTSTR_DATA	19	8	DLICTGTMAXELEMCT	34	
DLICLISTSTR_KSR	19	1	DLICTGTMAXEMCCT	B0	
DLICLISTSTR_LOCK	19	10	DLICTGTMAXENTRYCT	38	
DLICLISTSTR_NSR	19	2	DLICTGTSTRSIZE	30	
DLICLISTSTR_PLEIDI	19	40	DLICUIDVECTOR	80	
DLICLISTSTR_SKI	19	80	DLICUSRSTRCNTL	60	
DLICLISTSTRTYPE	19		DLICWAITONREADYTOCOMP	17	40
DLICLKTBLENTCHAR	1A		KDLIC_LEN	B4	100
DLICLKTBLENTCT	20				
DLICLSTELEMCHAR	1B				
DLICLSTENTCT	4C				
DLICLSTSTRELEMCT	40				
DLICMARGINALSTRSIZE	A4				
DLICMAXDTLSTENTSIZE	18				
DLICMAXEMCCT	AC				
DLICMAXIMUMUSERID	E0				
DLICMAXLSTENTCT	48				
DLICMAXLSTSTRELEMCT	3C				
DLICMAXSTRSIZE	2C				
DLICMINSTRSIZE	1C				
DLICMONREAPPINPROGRESS	17	4			
DLICNZLKTBLENTCT					

IXLYDLUC Information

IXLYDLUC Programming Interface information

Programming Interface information

IXLYDLUC

End of Programming Interface information

IXLYDLUC Heading Information • IXLYDLUC Map

IXLYDLUC Heading Information

Common Name: Dumping List User Controls Mapping
Macro ID: IXLYDLUC
DSECT Name: Dluc
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
Key: User Defined
Residency: User Defined
Size: DLUC -- X'0020' bytes
Created by: User
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping list user controls

IXLYDLUC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLUC	, Mapping for the list user controls
0	(0)	SIGNED	4	DLUCNUMATTCHEDUSERS	Number of attached users
4	(4)	CHARACTER	28		reserved
4	(4)	X'20'	0	DLUC_LEN	**-DLUC"

IXLYDNNB Information

IXLYDNNB Programming Interface information

Programming Interface information

IXLYDNNB

End of Programming Interface information

IXLYDNNB Heading Information • IXLYDNNB Map

IXLYDNNB Heading Information

Common Name: Cache Delete-Name-List Name Block
Macro ID: IXLYDNNB
DSECT Name: DNNB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
Key: User supplied
Residency: User supplied
Size: DNNB -- X'0020' bytes
Created by: IXLCACHE invoker
Pointed to by: BUFFER or BUFLIST parameter on IXLCACHE
Serialization: See BUFFER and BUFLIST parameter requirements on the IXLCACHE interface description.
Function: The DNNB maps the name blocks provided when the IXLCACHE macro is issued for a Delete_NameList request.

IXLYDNNB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DNNB	Cache Delete_NameList name block.
0	(0)	CHARACTER	16	DNNBNAME	Name of structure entry for which delete processing is to be performed.
16	(10)	CHARACTER	8	DNNBVERSCOMP	Comparative version. Used when version number comparison is requested via the VersCompType keyword.
24	(18)	CHARACTER	8		Reserved
32	(20)	CHARACTER	1	DNNBEND (0)	End of DNNB
32	(20)	X'20'	0	DNNB_LEN	""-DNNB"

IXLYDSCC Information

IXLYDSCC Programming Interface information

Programming Interface information

IXLYDSCC

End of Programming Interface information

IXLYDSCC Heading Information • IXLYDSCC Map

IXLYDSCC Heading Information

Common Name: Dumping Storage Class Controls Mapping
Macro ID: IXLYDSCC
DSECT Name: Dsccl
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes:
 Subpool: User Defined
 Key: User Defined
 Residency: User Defined
 DSCC -- X'0200' bytes
Size:
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: None required
Function: Provides a map of the dumping storage class controls

IXLYDSCC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	DSCC	Mapping for storage class controls
0	(0)	CHARACTER	4		Reserved
4	(4)	SIGNED	4	DSCCREADHITCTR	Read Hit counter - the number of times the data was returned on a read request to cached data
8	(8)	SIGNED	4	DSCCREADMISDIRHITCTR	Read Miss directory hit counter - the number of times a read request to cached data in the directory for which the data was not cached
12	(C)	SIGNED	4	DSCCREADMISASNSUPCTR	Read miss assign suppressed counter - the number of times a read request to a name which was not assigned in the directory and the name assignment was intentionally suppressed
16	(10)	SIGNED	4	DSCCREADMISNMEASNCTR	Read miss name assigned counter - The number of times a read request to a name which was not assigned in the directory and a directory entry was successfully assigned to the name
20	(14)	SIGNED	4	DSCCREADMISSTGTSTGCLFULCTR	Read miss target Stg Cl full counter - The number of times a read request to a name which was not assigned in the directory and a name assignment could not be completed due to a lack of resources in the target storage class
24	(18)	SIGNED	4	DSCCWRITEHITGHGEB0CTR	Write hit change bit 0 counter - The number of times unchanged data was written
28	(1C)	SIGNED	4	DSCCWRITEHITGHGEB1CTR	Write hit change bit 1 counter - The number of times changed data was written
32	(20)	SIGNED	4	DSCCWRITEMISSNOTREGCTR	Write miss not registered counter - The number of times a write request to data failed because connection interest was not previously registered, but required
36	(24)	SIGNED	4	DSCCWRITEMISSINVSTATECTR	Write miss invalid state counter - the number of times a write request to data failed because the named data already had cached changed data
40	(28)	SIGNED	4	DSCCWRITEMISSSTGTSTGCLFULCTR	Write miss target Stg Cl full counter - the number of times a write request to data failed because either the named data item was not identified to the structure and no directory entry resource was obtainable or no data entry resource could be obtained to contain the data
44	(2C)	SIGNED	4	DSCCDIRENTRECLAIMCTR	Directory entry reclaim counter - The number of times a directory entry was reclaimed
48	(30)	SIGNED	4	DSCCDATATABENTRECLAIMCTR	Data table entry reclaim counter - The number of times a data entry was reclaimed
52	(34)	SIGNED	4	DSCCXIDIRRECLAIMCTR	XI for directory reclaim counter - The number of times a cross-invalidation (XI) was performed as a result of a directory entry reclaim
56	(38)	SIGNED	4	DSCCXIWRITECTR	XI for write counter - The number of times a cross-invalidation (XI) was performed as a result of a request to write cached data
60	(3C)	SIGNED	4	DSCCXINAMEINVALIDCTR	XI for name invalidation counter - The number of times a cross-invalidation (XI) was performed as a result of a request to delete a named data item
64	(40)	SIGNED	4	DSCCXICOMPINVALIDCTR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
68	(44)	SIGNED	4	DSCCCASTOUTCTR	XI for complement invalidation counter - The number of times a cross-invalidation (XI) was performed as an explicit connected user request to perform cross-invalidation for a named data item
72	(48)	SIGNED	4	DSCCREFSIGMISSCTR	Castout counter - The number of times data has been cast out
76	(4C)	SIGNED	4	DSCCTGTSTGCLSSFULLCTR	Reference signal miss counter - The number of named data items processed for process reference list command which was not found in the directory
80	(50)	SIGNED	4	DSCCDIRENTCTR	Target storage class full counter - The number of times that directory entry allocation failed because the resources were unavailable and all named data items for the storage class had changed cached data
84	(54)	SIGNED	4	DSCCDATAAREAELEMCTR	Directory entry counter - The number of directory entries assigned to the storage class
88	(58)	SIGNED	4	DSCCTOTALCHANGEDCOUNT	Data area element counter - The number of data area elements assigned to the storage class
92	(5C)	SIGNED	4	DSCCDATAAREACTR	Total changed count - The number of directory entries in the storage class that are in a changed state
96	(60)	SIGNED	4	DSCCCOMPREFLSTCTR	Data area counter - The number of data-area assigned to a storage class
100	(64)	SIGNED	4	DSCCPARTCOMPREFLSTCTR	Completed reference lists counter - Processing of a reference list has been completed by initiating a reference signal for each name that is in the name list and is assigned to the directory
104	(68)	SIGNED	4	DSCCXILCENREPLCTR	Partially completed reference lists counter - Processing of a reference list was abandoned due to the expiration of a model dependent timeout
108	(6C)	SIGNED	4	DSCCWRITEUNCHXICTR	XI for LCEN replacement counter - The number of times a cross-invalidate (XI) signal was issued to satisfy a local-cache- entry-registration process
112	(70)	SIGNED	4	DSCCUNCHWITHREGINTCTR	Write unchanged with XI counter - the number of times an entry was written unchanged requesting XI
116	(74)	SIGNED	4	DSCCWRITEMISSASNSUPCTR	Unchanged directory entries with registered interest counter
120	(78)	SIGNED	4	DSCCWRITEMISSWRITESUPCTR	Write Miss Assignment Suppression Counter - Number of write requests that requested directory assignment suppression that were suppressed because a directory entry did not exist.
124	(7C)	CHARACTER	2		Write Miss Write Suppression Counter - Number of write requests that were suppressed due to the local cache being the only registered interest in the directory entry and the data entry did not have cached subsystem data
126	(7E)	SIGNED	2	DSCCREPEATFACTOR	Reserved
128	(80)	CHARACTER	128	DSCCRECLAIMVECTOR	Repeat factor - The number of times the reclaiming counts are initialized with the values in the reclaiming vector
256	(100)	CHARACTER	256		Reclaiming vector - The number of reclaims for named data items in the specified storage class
256	(100)	X'200'	0	DSCC_LEN	Reserved "-DSCC"

IXLYDSCC Cross Reference

IXLYDSCC Cross Reference

Name	Hex Offset	Hex Value
DSCC	0	
DSCC_LEN	100	200
DSCCCASTOUTCTR		
	44	
DSCCCOMPREFLSTCTR		
	60	
DSCCDATAAREACTR		
	5C	
DSCCDATAREAELEMCTR		
	54	
DSCCDATATABENTRECLAIMCTR		
	30	
DSCCDIRENTRCTR		
	50	
DSCCDIRENTRRECLAIMCTR		
	2C	
DSCCPARTCOMPREFLSTCTR		
	64	
DSCCREADHITCTR		
	4	
DSCCREADMISSASNSUPCTR		
	C	
DSCCREADMISSDIRHITCTR		
	8	
DSCCREADMISSNMEASNCTR		
	10	
DSCCREADMISSTGTSTGCLFULCTR		
	14	
DSCCRECLAIMVECTOR		
	80	
DSCCREFSIGMISSCTR		
	48	
DSCCREPEATFACTOR		
	7E	
DSCCTGTSTGCLSSFULLCTR		
	4C	
DSCCTOTALCHANGEDCOUNT		
	58	
DSCCUNCHWITHREGINTCTR		
	70	
DSCCWRITEHITCHGEB0CTR		
	18	
DSCCWRITEHITCHGEB1CTR		
	1C	
DSCCWRITEMISSASNSUPCTR		
	74	
DSCCWRITEMISSINVSTATECTR		
	24	
DSCCWRITEMISSNOTREGCTR		
	20	
DSCCWRITEMISSSTGTSTGCLFULCTR		
	28	
DSCCWRITEMISSWRITESUPCTR		
	78	
DSCCWRITEUNCHXICTR		
	6C	
DSCCXICOMPINVALIDCTR		
	40	
DSCCXIDIRRECLAIMCTR		
	34	
DSCCXILCENREPLCTR		
	68	
DSCCXINAMEINVALIDCTR		
	3C	
DSCCXIWRITECTR		
	38	

IXLYEEPL Information

IXLYEEPL Programming Interface information

Programming Interface information

IXLYEEPL

End of Programming Interface information

IXLYEEPL Heading Information • IXLYEEPL Map

IXLYEEPL Heading Information

Common Name: Event Exit Parameter List
Macro ID: IXLYEEPL
DSECT Name: EEPL
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 203
 Key: 0
 Residency: Above 16 MB in virtual storage.
Size: EEPL -- X'0108' bytes
 EEPLLOSSCONNINFO -- X'0001' bytes
 EEPLREBUILDQUIESCEINFO -- X'0004' bytes
 EEPLREBUILDCONNECTSCOMPLETEINFO -- X'0048' bytes
 EEPLUSERSYNCPPOINTINFO -- X'004C' bytes
 EEPLVOLATILITYSTATECHANGEINFO -- X'0001' bytes
 EEPLXSRECOMMENDACTIONINFO -- X'0002' bytes
 EEPLLOSSCONNPNCTNOTIFYINFO -- X'0002' bytes
 EEPLALTERBEGININFO -- X'0014' bytes
 EEPLALTERENDINFO -- X'0060' bytes
 EEPLSTRAVAILABILITYINFO -- X'0009' bytes
 EEPLSTRSTATECHANGEINFO -- X'0060' bytes
Created by: IXLX1EEI
Pointed to by: R1 points to a word which contains the address of the EEPL on entry to the event exit
Serialization: None required
Function: Mapping of parameter list for event exit.
 The event exit is identified by user on IXLCONN.

IXLYEEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPL	Event exit parameter list
0	(0)	CHARACTER	24	EEPLCONNINFOTARGET (0)	This section contains information about the connector whose event exit has been driven.
0	(0)	CHARACTER	16	EEPLCONTOKEN	Connect token of the connector whose event exit is driven.
16	(10)	BITSTRING	8	EEPLCONDATA	Connect-time data of the connector whose event exit is driven. This field is user defined data provided as input to IXLCONN.
24	(18)	CHARACTER	60	EEPLGENERALINFO (0)	This section contains general information about the event
24	(18)	SIGNED	2		Reserved
26	(1A)	SIGNED	2	EEPLEVENT	Event code. See event constants defined below. For a description of event type and identification see prolog NOTES.
28	(1C)	SIGNED	4	EEPLEVENTSEQ	Event Sequence Number.
32	(20)	SIGNED	4	EEPLRETCODE	Event exit return code. Values are defined in IXLYCON. This can be set within the exit's recovery as well and will be honored in that case too.
36	(24)	CHARACTER	12	EEPLOPERATORINFO (0)	Applicable only for events that were initiated by the operator. For rebuild events (see prolog): IXLREBLD REQUEST=START or REQUEST=STARTDUPLEX, STARTREASON=OPERATOR => For all rebuild events except rebuild process complete, when EeplRebuildStartReason indicates the rebuild was initiated by the operator. IXLREBLD REQUEST=STOP or REQUEST=STOPDUPLEX, STOPREASON=OPERATOR => For rebuild stop event, when EeplRebuildStopReason indicates the rebuild was stopped by the operator. Note that for a stop of a duplexing rebuild, the stop may either initiate a true rebuild stop event, or may initiate a switch event
36	(24)	CHARACTER	8	EEPLCART	CART associated with operator. See EeplOperatorInfo.
44	(2C)	SIGNED	4	EEPLCONSID	Console id associated with operator. See EeplOperatorInfo.
48	(30)	CHARACTER	16	EEPLSTRNAME	Structure Name.
64	(40)	CHARACTER	8	EEPLSTRUCTUREVERSION (0)	Structure Version. See EeplStrStateStrVersionFlag to determine the structure instance represented.
64	(40)	CHARACTER	8	EEPLSTRPHYSICALVERSION	Physical version for the structure. Changes when a new instance of the structure is allocated, as in a user-managed or system-managed rebuild, and there is at least one active connector to observe the allocation.
72	(48)	BITSTRING	1	EEPLSTRSTATE (0)	Provides structure state indicators
		1...		EEPLSTRSTATEREBUILD	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		EEPLSTRSTATEREBUILDSTOP	"X'80" On => Structure rebuild process is in progress for this structure. Off => Structure rebuild process is not in progress for this structure. A structure rebuild process is initiated either by IXLREBLD or SETXCF operator command. There are two types (rebuild and duplexing rebuild) indicated by EeplStrStateRebuildDuplex. There are two methods (user-managed and system-managed) indicated by EeplStrStateProcessMethod.
		...1.		EEPLSTRSTATEFPERSISTENTCONNS	"X'40" Only valid if EeplStrStateRebuild is on. A structure rebuild process is stopped either by IXLREBLD or SETXCF operator command. On => Structure rebuild process has been stopped. Off => Structure rebuild process has not been stopped.
		...1.		EEPLSTRSTATESTRVERSIONFLAG	"X'20" On => Failed persistent connections existed when the structure rebuild process was initiated. Bit is valid for all rebuild events except rebuild process complete and rebuild stop process complete.
		.... 1...		EEPLSTRSTATEREBUILDDDUPLEX	"X'10" Indicates the instance represented by EeplStructureVersion. Off => Structure version is for the only/old/primary instance of the structure. On => Structure version is for the new/secondary instance and structure rebuild process is in progress (EeplStrStateRebuild is on).
		.... .1..		EEPLSTRFAILDUPLEXOUTOFSYNCH	"X'08" Indicates the type of structure rebuild process. On => duplexing rebuild, Off => rebuild (may also be referred to as non-duplexing rebuild). Only valid when EeplStrStateRebuild is on.
		.... ...1		EEPLSTRSTATEPROCESSMETHOD	"X'04" On => The structure has failed as the result of an out of synch condition detected by a duplexed request issued during the duplex established phase of a system-managed duplexing rebuild. Only valid for structure failure event.
73	(49)	BITSTRING	1	EEPLREBUILDSTARTREASON	"X'01" On => The process in progress is system-managed, Off => the process in progress is user-managed. This indicator describes the method of the process when EeplStrStateRebuild is indicated.
					This field is valid for all rebuild events except rebuild process complete and rebuild stop process complete. Constants are declared below for all possible rebuild start reasons. The constant names begin with "EeplStartRsn".
74	(4A)	BITSTRING	1	EEPLREBUILDSTOPREASON	This field is valid for all rebuild events except rebuild process complete and rebuild stop process complete. The field will be zero until a rebuild stop is initiated. Constants are declared below for all possible rebuild stop reasons. The constant names begin with "EeplStopRsn".
75	(4B)	BITSTRING	1	EEPLREBUILDPCTLOSSCONN	Percent lossconn. Will contain a nonzero value only for an MVS-initiated rebuild due to loss of connectivity. Valid for all rebuild events except rebuild process complete and rebuild stop process complete.
76	(4C)	SIGNED	4	EEPLSTARTRSNCONNECTORCODE	This field is valid when EeplRebuildStartReason is set to EeplStartRsnConnector. EeplStartRsnConnectorCode is a user defined value provided as input on IXLREBLD.
80	(50)	SIGNED	4	EEPLSTOPRSNCONNECTORCODE	This field is valid when EeplRebuildStopReason is set to EeplStopRsnConnector. EeplStopRsnConnectorCode is a user defined value provided as input on IXLREBLD.
84	(54)	CHARACTER	68	EEPLCONNINFOSUBJECT (0)	This section contains information about the connection which is the subject of the event. Connection events have a subject. See the event constants defined below for a description of Connection events. For a description of event type and identification see prolog NOTES.
84	(54)	SIGNED	3		Reserved
87	(57)	BITSTRING	1	EEPLSUBJCONID	Connection identifier.
88	(58)	CHARACTER	16	EEPLSUBJCONTOKEN	Connect token of user that is subject of the event.
104	(68)	CHARACTER	16	EEPLSUBJCONNAME	Connect Name of the user that is the subject of the event.
120	(78)	SIGNED	4	EEPLSUBJCONVERSION	Connection version
124	(7C)	CHARACTER	8	EEPLSUBJSYSNAME	System name corresponding to the user designated by EeplSubjContoken.
132	(84)	BITSTRING	1	EEPLSUBJFLAGS (0)	These flags provide additional information about the subject connection.
		1...		EEPLSUBJDISPOSITIONKEEP	

IXLYEEPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		EEPLSUBJFAILISOL	"X'80" On => Connection disposition is KEEP, Off => Connection disposition is DELETE (not persistent).
133	(85)	BITSTRING	1	EEPLFAILEDCONNFLAGS (0)	"X'40" This flag is valid for the EeplExistingConnection (when EeplStateActive is on), EeplRebuildExistingConnection (when EeplStateActive is on), EeplNewConnection, and EeplRebuildNewConnection events and when EeplSubjInfoLevel is equal to or greater than EeplSubjInfoLevel1. On => Connection is failure isolated with respect to the structure described by EeplStrname and EeplStructureVersion.
		1...		EEPLTERMINATEDABNORMAL	These flags provide additional information only for the disconnected/failed connection event.
		.1..		EEPLDISCWITHLOCKRESOURCES	"X'80" On => connection was terminated by a task, address space, system failure, a disconnect w/ REASON=FAILURE or a disconnect w/REASON=NORMAL while still holding lock resources. Off => connection was terminated normally via disconnect REASON=NORMAL and no lock resources were held.
		..1.		EEPLDISCFROMNEWSTRALSO	"X'40" On => Disconnect occurred when lock resources were still held.
134	(86)	BITSTRING	1	EEPLEXISTINGCONNFLAGS (0)	"X'20" On => Connection was disconnected from the new structure during rebuild in addition to the disconnect from the old structure.
		1...		EEPLSTATEACTIVE	These flags provide additional information about the Existing Connection and Rebuild Existing Connection event
		.1..		EEPLDUMMYLASTEVENT	"X'80" On => Connection is active, Off => Connection is failed-persistent.
		..1.		EEPLFPATIXLCONN	"X'40" This flag is valid for the EeplExistingConnection and EeplRebuildExistingConnection events. On => Dummy event indicating that all existing connection events have been received. Off => real event, more existing connection events to be presented to the event exit. Note: When the EeplDummyLastEvent bit is ON in the EEPL, the only other EEPL fields set are in the following sections: EeplGeneralInfo and EeplConnInfoTarget
		...1		EEPLNOTCONNSTR	"X'20" This flag is valid for the EeplExistingConnection event. On => The connection was failed persistent at the time this connection connected. EeplStateActive will also be on since the connection is now active. Off => Connection was either active or failed persistent at the time this connection connected. Use EeplStateActive to determine connection state.
135	(87)	CHARACTER	1		"X'10" This flag is valid for the EeplExistingConnection and EeplRebuildExistingConnection events. On => The connection had lost connectivity to the structure prior to the target connection connecting to the structure. Off => Connection has not lost connectivity.
136	(88)	CHARACTER	8	EEPLSUBJCONLEVEL	Reserved.
144	(90)	CHARACTER	8	EEPLSUBJDISCDATA	User specified connection version/release level.
152	(98)	CHARACTER	16	EEPLCONNINFOSUBJECT2 (0)	Disconnect-time data for the connector who is the subject of the disconnect failed connection, existing connection, or rebuild existing connection event.
152	(98)	SIGNED	4	EEPLSUBJCFLEVEL	This section contains information about the connection which is the subject of the event. Connection events have a subject. See the event constants defined below for a description of Connection events. For a description of event type and identification see prolog NOTES.
156	(9C)	BITSTRING	1	EEPLSUBJINFOLEVEL	Connect-time specified value for CFLEVEL.
157	(9D)	CHARACTER	11		Information level of the information presented for the subject connection
168	(A8)	CHARACTER	96	EEPLEVENTSPECIFICINFO	Reserved.
168	(A8)	X'108'	0	EEPL_LEN	This section contains event specific information. This area is mapped differently for each event.
					"*-EEPL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLLOSSCONNINFO	Mapping of EeplEventSpecificInfo for the loss of connectivity event. (EeplLossConn).
0	(0)	BITSTRING 1...	1	EEPLLOSSCONNSTRFLAGS (0) EEPLLOSSCONNSTRNEW	"X'80" This bit is only valid when EeplStrStateRebuild is ON and EeplStrStateProcessMethod is OFF. On => connectivity was lost to the new/secondary instance allocated for structure rebuild process. Off => connectivity was lost to the only/old/primary instance.
		.1..		EEPLLOSSCONNDELAYACTION	"X'40" This bit is for use when the target and subject connection are the same to support delaying connection action. When target and subject are different there is no action required of the target connection. On => The connection that is the subject of the event should delay decision on action to disconnect or start rebuild of structure since XESrecommendation, lossconn percentage notification, or structure rebuild quiesce event will be delivered. Off => no additional information available to aid in decision to disconnect or rebuild structure. The subject connection which lost connectivity must either disconnect or start rebuild.
1	(1)	X'1'	0	EEPLLOSSCONNINFO_LEN	**EEPLLOSSCONNINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLREBUILDQUIESCEINFO	Mapping of EeplEventSpecificInfo for the rebuild quiesce event (EeplRebuildQuiesce).
0	(0)	BITSTRING 1...	4	EEPLREBUILDQUIESCEINFOFLAGS (0)	Flags for rebuild process attributes
		.1..		EEPLREBUILDQUIESCELCCONT	"X'80" LESSCONNACTION attribute indicator. 0==>rebuild is LESSCONNACTION=TERMINATE, 1==>rebuild is LESSCONNACTION=CONTINUE
				EEPLREBUILDQUIESCELOCOTHER	"X'40" LOCATION attribute indicator. 0==>rebuild is LOCATION=NORMAL, 1==>rebuild is LOCATION=OTHER
4	(4)	X'4'	0	EEPLREBUILDQUIESCEINFO_LEN	**EEPLREBUILDQUIESCEINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLREBUILDCONNECTSCOMPLETEINFO	Mapping of EeplEventSpecificInfo for the rebuild connects complete event (EeplRebuildConnectsComplete).
0	(0)	CHARACTER	32	EEPLCONNSACTIVE	Bit string representing the set of active connections at the time all connections had attempted to do a rebuild connect. The bit position maps to a connection identifier. See the block comment above for a description.
32	(20)	CHARACTER	32	EEPLCONNSSUCCESSFUL	Bit string representing the set of connections that successfully did a rebuild connect. See the block comment above for a description.
64	(40)	SIGNED	4	EEPLCONNSACTIVETOTAL	Count of ON bits in the EeplConnsActive bit string.
68	(44)	SIGNED	4	EEPLCONNSSUCCESSFULTOTAL	Count of ON bits in the EeplConnsSuccessful bit string.
68	(44)	X'48'	0	EEPLREBUILDCONNECTSCOMPLETEINFO_LEN	**EEPLREBUILDCONNECTSCOMPLETEIN"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLUSERSYNCPPOINTINFO	Mapping of EeplEventSpecificInfo for the User Sync Point event (EeplUserSyncPoint).
0	(0)	SIGNED	4	EEPLCOMPLETEDUSEREVENT	
4	(4)	SIGNED	4	EEPLNEXTUSEREVENT	
8	(8)	CHARACTER	32	EEPLCOMPLETEDUSERSTATE	
40	(28)	CHARACTER	32	EEPLNEXTUSERSTATE	

IXLYEEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
72	(48)	SIGNED	4	EEPLCOMPLETEDUSERCOMPCODE	Highest completion code value for the completed user sync point, as set by any confirming user or implicitly by XES when a connector failed or disconnected
72	(48)	X'4C'	0	EEPLUSERSYNCPPOINTINFO_LEN **_EEPLUSERSYNCPPOINTINFO"	
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLVOLATILITYSTATECHANGEINFO	Mapping of EeplEventSpecificInfo for the volatility state change event (EeplVolatilityStateChange).
0	(0)	BITSTRING 1... ..	1	EEPLVOLATILITYSTATECHANGEFLAGS (0) EEPLVOLATILENEW	"X'80" This bit is only valid when EeplStrStateRebuild is ON and EeplStrStateProcessMethod is OFF. For system-managed process, the bit will be off. On => the volatility state change event is for the new/secondary instance allocated for structure rebuild process. Off => the volatility state change event is for the only/old/primary instance.
1	(1)	.1.. .. X'1'	0	EEPLVOLATILE EEPLVOLATILITYSTATECHANGEINFO_LEN **_EEPLVOLATILITYSTATECHANGEINFO"	"X'40" Off => structure is non-volatile, On => structure is volatile.
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLXESRECOMMENDACTIONINFO	Mapping of EeplEventSpecificInfo for the XES recommend action event (EeplXESrecommendAction).
0	(0)	BITSTRING 1... ..	1	EEPLXESRECOMMENDACTIONFLAGS (0) EEPLXESRECOMMENDACTIONPOLICY	"X'80" On => Policy available for determining action recommended by XES.
1	(1)	.1.. .. BITSTRING	1	EEPLXESRECOMMENDACTIONDISCONNECT "X'40" On => Action is disconnect.	
1	(1)	X'2'	0	EEPLXESRECOMMENDACTIONPCTLOSSCONN EEPLXESRECOMMENDACTIONINFO_LEN **_EEPLXESRECOMMENDACTIONINFO"	When delivered subsequent to a LOSSCONN event and policy was available for evaluating the scope of the loss of connectivity in terms of SFM policy weights, indicates the percentage loss of connectivity as viewed by the system presented with this event. There is no guarantee that all connectors will be presented with the same percentage value.
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLLOSSCONNPNCTNOTIFYINFO	Mapping of EeplEventSpecificInfo for the Lossconn percentage notification event (EeplLossconnPctNotify).
0	(0)	BITSTRING	1	Unused	
1	(1)	BITSTRING	1	EEPLLOSSCONNPNCTNOTIFYPCTLOSSCONN	When delivered subsequent to a LOSSCONN event and policy was available for evaluating the scope of the loss of connectivity in terms of SFM policy weights, indicates the percentage loss of connectivity as viewed by the system presented with this event. There is no guarantee that all connectors will be presented with the same percentage value.
1	(1)	X'2'	0	EEPLLOSSCONNPNCTNOTIFYINFO_LEN **_EEPLLOSSCONNPNCTNOTIFYINFO"	
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLALTERBEGININFO	Mapping of EeplEventSpecificInfo for the begin structure alter event.
0	(0)	BITSTRING 1... ..	1	EEPLALTERBEGINFLAGS (0) EEPLALTERBEGINSIZE	Structure alter flags

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		EEPLALTERBEGINRATIO	"X'80" '1'b => value for size specified
		..1.		EEPLALTERBEGINEMCSTG	"X'40" '1'b => value for ratio specified
		.... .1..		EEPLALTERBEGINCFSTART	"X'20" '1'b => value for EmcStg specified
		.... ..1.		EEPLALTERBEGINDUPREBLDOLD	"X'04" '1'b => Alter is CF INITIATED.
		.... ...1		EEPLALTERBEGINDUPREBLDNEW	"X'02" '1'b => values pertain to Rebuild Old (primary) structure instance. Only valid when EeplStrStateRebuild is ON, EeplStrStateRebuildDuplex is ON, and EeplStrStateProcessMethod is OFF.
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	EEPLALTERSIZE	Requested size in 4K blocks if EeplAlterBeginSize is on
8	(8)	SIGNED	2	EEPLALTERENTRYRATIO	Requested entry portion of entry-to-element ratio if EeplAlterBeginRatio is on
10	(A)	SIGNED	2	EEPLALTERELEMENTRATIO	Requested element portion of entry-to-element ratio if EeplAlterBeginRatio is on
12	(C)	CHARACTER	6	EEPLALTERCOMPOSITE	(0)
12	(C)	BITSTRING	2	EEPLALTERCOMPOSITEFLAGS	(0)
		1...		EEPLALTERRATIO	"X'80" '1'b => permit ratio change RATIO=YES for all connections
14	(E)	BITSTRING	1	EEPLALTERMINENTRY	% available entries
15	(F)	BITSTRING	1	EEPLALTERMINELEMENT	% available elements
16	(10)	BITSTRING	1	EEPLALTERMINEMC	% available EMCs
17	(11)	BITSTRING	1		reserved
18	(12)	SIGNED	2	EEPLALTEREMCSTGPCT	Requested percent of structure to be available for Event Monitor Controls when an EmcStgPct change is requested.
18	(12)	X'14'	0	EEPLALTERBEGININFO_LEN	""-EEPLALTERBEGININFO"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	EEPLALTERENDINFO	Mapping of EeplEventSpecificInfo for the structure alter end event.
0	(0)	BITSTRING	1	EEPLALTERENDFLAGS	(0)
		1...		EEPLALTERENDSIZE	Structure alter end flags
		.1..		EEPLALTERENDRATIO	"X'80" '1'b => value for size specified
		..1.		EEPLALTERENDEMSTG	"X'40" '1'b => value for ratio specified
		.... .1..		EEPLALTERENDCFSTART	"X'20" '1'b => value for EmcStg specified
		.... ..1.		EEPLALTERENDDUPREBLDOLD	"X'04" '1'b => Alter is CF INITIATED. Fields defined in EeplAlterEndTargetValues do not apply.
		.... ...1		EEPLALTERENDDUPREBLDNEW	"X'02" '1'b => values pertain to Rebuild Old (primary) structure instance. Only valid when EeplStrStateRebuild is ON, EeplStrStateRebuildDuplex is ON, and EeplStrStateProcessMethod is OFF.
1	(1)	CHARACTER	1		"X'01" '1'b => values pertain to Rebuild New (Secondary) structure instance. Only valid when EeplStrStateRebuild is ON, EeplStrStateRebuildDuplex is ON, and EeplStrStateProcessMethod is OFF.
2	(2)	BITSTRING	2	EEPLALTERENDSTATEFLAGS	(0)
					At least one flag bit will be set.
2	(2)	BITSTRING	1	EEPLALTERENDSTATUSFLAG1	(0)

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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		EEPLALTERENDALL	If any flags are set in this byte then fields defined in EeplAlterEndCurrentValues, EeplAlterEndTargetValues, EeplAlterEndEstMaxEntElem, and EeplAlterEndAdditionalCurrentV alues are valid. See individual field comment for cases where the value may be zero.
		.1..		EEPLALTERENDSOME	"X'80" Processing able to meet the specified targets
		..1.		EEPLALTERENDREBLD	"X'40" Processing not able to meet the specified targets
					"X'20" XES stopped the alter request due to rebuild initiated for structure. EeplAlterEndAll or EeplAlterEndSome will also be set, to indicate whether all or some targets were met.
3	(3)	BITSTRING	1	EEPLALTERENDSTATUSFLAG2 (0)	
		1...		EEPLALTERENDSTRFAIL	If any flags set in this field then size and counts below will be zero. See individual flag comment for cases where the values may be non-zero.
		.1..		EEPLALTERENDLOSSCONN	"X'80" XES did not complete the alter request due to structure failure.
		..1.		EEPLALTERENDSTOPBEFORESTART	"X'40" XES did not complete the alter request due to no connectivity to the structure.
		...1		EEPLALTERENDREQEXCEPTION	"X'20" XES did not complete the alter request due to a request to stop the initial alter, or due to structure rebuild being initiated. The request to stop the alter was received before any coupling facility operations with respect to the original alter request could be performed. The structure was not changed by the initial alter request.
		.... 1..		EEPLALTERENDREBLDDEALLOC	"X'10" Ratios specified on alter request are not consistent with structure attributes. For example, a structure alter to change the ratio of a structure created without data is rejected.
		.... .1..		EEPLALTERENDESTSCM	"X'08" An alter was initiated during a duplexing rebuild, but the duplexing rebuild was stopped before the alter completed. This structure instance will be deallocated when the duplexing rebuild completes, so the alter for this instance is being stopped.
4	(4)	CHARACTER	16	EEPLALTERENDCURRENTVALUES (0)	
					Current sizes and counts for the structure
4	(4)	SIGNED	4	EEPLALTERENDMINSTRSIZE	Current minimum structure size which is similar to either ConaMinStructureSize or ConaFacilityMinReqSize
8	(8)	SIGNED	4	EEPLALTERENDCURRENTSIZE	Current size
12	(C)	SIGNED	4	EEPLALTERENDENTRYCOUNT (0)	
					Current entry count. This count is only substantially accurate.
12	(C)	SIGNED	4	EEPLALTERENDDIRCOUNT (0)	
					Current directory count. This count is only substantially accurate.
12	(C)	SIGNED	4	EEPLALTERENDRECORDELEMENTS	Current record element count. This count is only substantially accurate.
16	(10)	SIGNED	4	EEPLALTERENDELEMCOUNT	Current element count. This count is only substantially accurate.
20	(14)	CHARACTER	28	EEPLALTERENDTARGETVALUES (0)	
					Target size and counts determined by the coupling facility. Only valid when EeplAlterEndCfStart is OFF.
20	(14)	SIGNED	4	EEPLALTERENDTARGETSIZE	Target size
24	(18)	SIGNED	4	EEPLALTERENDTARGETENTRYCOUNT (0)	
					Target entry count
24	(18)	SIGNED	4	EEPLALTERENDTARGETDIRCOUNT (0)	
					Target directory count
24	(18)	SIGNED	4	EEPLALTERENDTARGETRECORDELEMENTS	Target record element count.
28	(1C)	SIGNED	4	EEPLALTERENDTARGETELEMOUNT	Target element count

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	SIGNED	4	EEPLALTERENDTARGETEMCCOUNT	Target Event Monitor Controls count
36	(24)	CHARACTER	12		Reserved
48	(30)	CHARACTER	20	EEPLALTERENDADDITIONALCURRENTVALUES (0)	Additional current values for structure
48	(30)	SIGNED	4	EEPLALTERENDEMCCOUNT	Current Event Monitor Control count. This value is only substantially accurate.
52	(34)	SIGNED	4	EEPLALTERENDMAXSTRSIZE	Current maximum structure size in 4K blocks which is similar to ConaMaxStructureSize. A non-zero value indicates that the value provided is valid. A zero value indicates that the support for setting this field is not installed on the system that completed alter processing. See EeplAlterEndStatusFlag1.
56	(38)	CHARACTER	12		Reserved
68	(44)	CHARACTER	4		Reserved
72	(48)	CHARACTER	16	EEPLALTERENDESTMAXENTELEM (0)	Estimated maximum number of structure entries and elements supported by the structure. Using both CF real and storage class memory, this is the most number of entries and elements that can be allocated to the structure. Values will be zero when the maximum number of structure entries and elements that can be allocated to the structure is what is supported by the real storage allocated to the structure. When zero, refer to ConaListMaxEntryCount and ConaListMaxElementCount for the maximum number of structure objects supported by the structure.
72	(48)	CHARACTER	8	EEPLALTERENDESTMAXENTRIES	Current estimated maximum number of entries that can reside in CF real and storage class memory for the structure. This number is an aggregation of the maximum entry count for real storage and estimated maximum entry count for SCM assigned to the structure
80	(50)	CHARACTER	8	EEPLALTERENDESTMAXELEMENTS	Current estimated maximum number of elements that can reside in CF real and storage class memory for the structure. This number is an aggregation of the maximum element count for real storage and estimated maximum element count for SCM assigned to the structure
88	(58)	CHARACTER	8		Reserved
88	(58)	X'60'	0	EEPLALTERENDINFO_LEN	**-EEPLALTERENDINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLSTRAVAILABILITYINFO	Mapping of EeplEventSpecificInfo for events structure temporarily unavailable (EeplStrTemporarilyUnavailable) and structure available (EeplStrAvailable).
0	(0)	CHARACTER	8	EEPLSTRAVAILABILITYAUTOVERSION	System-managed process version
8	(8)	BITSTRING	1	EEPLSTRAVAILABILITYPROCESS	System-managed process identification. See Process Constants for definitions.
8	(8)	X'9'	0	EEPLSTRAVAILABILITYINFO_LEN	**-EEPLSTRAVAILABILITYINFO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EEPLSTRSTATECHANGEINFO	Mapping of EeplEventSpecificInfo for the structure state change event
0	(0)	CHARACTER	8	EEPLSSCAUTOVERSION	System-managed process version. Valid when EeplSSCProcessType is set to EeplSysManagedRebuild or EeplSysManagedDuplexingRebuild.
8	(8)	BITSTRING	1	EEPLSSCPROCESSSTYPE	Type of process that caused the structure state change. See Process Constants for definitions.
9	(9)	BITSTRING	2	EEPLSSCVALIDITYFLAGS (0)	Flags identifying which fields contain valid information about characteristics of the structure. These flags serve as validity indicators for the fields in EeplSSCCharacteristics.
9	(9)	BITSTRING	1	EEPLSSCVALIDITYFLAG1 (0)	First byte of flags
		1... ..		EEPLSSCCFLEVELVALID	

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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		EEPLSSCCFNAMEVALID	"X'80" '1'b => Coupling facility operational level of the coupling facility in which the structure resides is valid
		..1.		EEPLSSCCVOLATILEVALID	"X'40" '1'b => CFNAME of coupling facility in which the structure resides is valid
		...1		EEPLSSCSTRPHYSICALVERSIONVALID	"X'20" '1'b => Volatility characteristic of the coupling facility in which the structure resides is valid
		.... 1...		EEPLSSCCFAILUREISOLATEVALID	"X'10" '1'b => Physical structure version number field is valid
		.... .1..		EEPLSSCSTRPHYSICALVERSION2VALID	"X'08" '1'b => Structure failure isolation state is valid
		.... ..1.		EEPLSSCDUPLEXSTATEVALID	"X'04" '1'b => 2nd physical structure version number field is valid
		.... ...1		EEPLSSCSIZEINFOVALID	"X'02" '1'b => Duplexing state is valid
10	(A)	BITSTRING	1	EEPLSSCCVALIDITYFLAG2 (0)	"X'01" '1'b => Structure size information is valid in fields EeplSSCStrStructureSize, EeplSSCStrMaxStrSize, and EeplSSCStrMinStrSize.
		1...		EEPLSSCCUSERLIMITINFOVALID	Second byte of flags "X'80" '1'b => Structure user limit information is valid in fields EeplSSCStrFacilityUserLimit, EeplSSCStrLockNumUsers
11	(B)	BITSTRING	1	Reserved	
12	(C)	CHARACTER	78	EEPLSSCCCHARACTERISTICS (0)	Current characteristics of the structure and the coupling facility in which it resides. Information in this section is valid only if the corresponding validity flag in field EeplSSCValidityFlags is set.
12	(C)	BITSTRING	4	EEPLSSCCCHARACTERISTICFLAGS (0)	Flags describing the current characteristics
		1...		EEPLSSCCVOLATILE	"X'80" '1'b => Structure resides in a volatile coupling facility. Valid only if EeplSSCVolatileValid set.
		.1..		EEPLSSCCSYSGDDUPLEXED	"X'40" '1'b => Structure is duplexed by system-managed duplexing. Valid only if EeplSSCDuplexStateValid is set.
		..1.		EEPLSSCCSYSGDDUPLEXEDFAILISOL	"X'20" '1'b => the primary structure instance is failure isolated from the secondary structure instance. '0'b => the primary structure instance is not failure isolated from the secondary structure instance. Valid only if EeplSSCDuplexStateValid is set.
12	(C)	BITSTRING	3	Reserved	
16	(10)	SIGNED	4	EEPLSSCCFLEVEL	Coupling facility operational level of the coupling facility in which the structure resides. Valid only if EeplSSCCflevelValid set.
20	(14)	CHARACTER	8	EEPLSSCCFNAME	Name of coupling facility in which the structure resides. Valid only if EeplSSCCfnameValid set.
28	(1C)	CHARACTER	32	EEPLSSCCFAILUREISOLATE	Indicates failure isolation status with respect to the structure at the time the event was added to the event stack. If the bit corresponding to a connector's connection ID is on, that connector is active and failure-isolated with respect to the structure. If the bit is off, either the corresponding connector is not active, or is active but not failure-isolated with respect to the structure. Valid only if EeplSSCFailureIsolateValid set.
60	(3C)	CHARACTER	8	EEPLSSCSTRPHYSICALVERSION	Physical structure version number. This field, along with EeplSSCStrPhysicalVersion2, uniquely identifies a physical instance of the structure. Valid only if EeplSSCStrPhysicalVersionValid is set.
68	(44)	CHARACTER	8	EEPLSSCSTRPHYSICALVERSION2	2nd physical structure version number. This field, along with EeplSSCStrPhysicalVersion, uniquely identifies a physical instance of the structure. Valid only if EeplSSCStrPhysicalVersion2Valid is set.
76	(4C)	SIGNED	4	EEPLSSCSTRSTRUCTURESIZE	Structure size in 4K blocks which is similar to ConaStructureSize. Valid only if EeplSSCSizeInfoValid is set.
80	(50)	SIGNED	4	EEPLSSCSTRMAXSTRSIZE	Maximum structure size in 4K blocks which is similar to ConaMaxStructureSize. Valid only if EeplSSCSizeInfoValid is set.
84	(54)	SIGNED	4	EEPLSSCSTRMINSTRSIZE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
88	(58)	BITSTRING	1	EEPLSSCSTRFACILITYUSERLIMIT	Minimum structure size in 4K blocks which is similar to ConaMinStructureSize. Valid only if EeplSSCSizeInfoValid is set.
89	(59)	BITSTRING	1	EEPLSSCSTRLOCKNUMUSERS	Maximum number of users supported by the structure based on the model dependent limit of the coupling facility and the NUMUSERS or MAXCONN specification on IXLCONN. This limit may be greater than the number of users permitted to connect to the structure due to other constraints such as policy size.
90	(5A)	CHARACTER	6		Maximum number of users supported for a lock structure Reserved
Comment					
Event Constants: constants defining values of EeplEvent					
See prolog NOTES for event type and identification description.					
Connection Event					
Structure Event					
Rebuild Event					
End of Comment					
90	(5A)	X'1'	0	EEPLEXISTINGCONNECTION	"1" Connection Event: A new connector is learning about an existing connection. See EeplExistingConnFlags.
90	(5A)	X'2'	0	EEPLNEWCONNECTION	"2" Connection Event: Existing connector receives an event about a new connection.
90	(5A)	X'3'	0	EEPLDISCFAILCONNECTION	"3" Connection Event: A connection has ended (abnormally because of end of task, end of memory, end of system, disconnect with REASON=FAILURE, or normally with a disconnect). See EeplFailedConnFlags.
90	(5A)	X'4'	0	EEPLLOSSCONN	"4" Connection Event: The subject of this event lost connectivity to the structure.
90	(5A)	X'5'	0	EEPLSTRFAILURE	
90	(5A)	X'6'	0	EEPLREBUILDQUIESCE	"5" Structure Event: Structure failure occurred.
90	(5A)	X'7'	0	EEPLREBUILDCONNECT	"6" Structure Event: Event is a rebuild event. A rebuild has been initiated against this structure. Requires an event exit response via IXLEERSP.
90	(5A)	X'8'	0	EEPLREBUILDEXISTINGCONNECTION	"7" Structure Event: Event is a rebuild event. Rebuild Quiesce has been completed by each connector. Each connector should issue IXLCONN REBUILD.
90	(5A)	X'9'	0	EEPLREBUILDNEWCONNECTION	"8" Connection Event: Event is a rebuild event. A new connector is learning about an existing connection already connected to the new rebuild structure. See EeplExistingConnFlags.
90	(5A)	X'A'	0	EEPLREBUILDCONNECTFAILURE	"9" Connection Event: Event is a rebuild event. Existing connector to the new rebuild structure receives an event about a new connection.
90	(5A)	X'B'	0	EEPLREBUILDCONNECTSCOMPLETE	"10" Connection Event: Event is a rebuild event. A rebuild connection terminated before the IXLCONN REBUILD request completed.
90	(5A)	X'C'	0	EEPLREBUILDCLEANUP	"11" Structure Event: Event is a rebuild event. All connectors have attempted to connect to the new structure allocated for rebuild.
90	(5A)	X'D'	0	EEPLREBUILDPROCESSSCOMPLETE	"12" Structure Event: Event is a rebuild event. All connectors have completed rebuild processing. Cleanup processing remains. Requires an event exit response via IXLEERSP.
90	(5A)	X'E'	0	EEPLREBUILDSTOP	"13" Structure Event: Event is a rebuild event. Rebuild processing is complete. Resume normal use of the structure.
90	(5A)	X'F'	0	EEPLREBUILDSTOPPROCESSSCOMPLETE	"14" Structure Event: Event is a rebuild event. Stop rebuild processing Requires an event exit response via IXLEERSP.
90	(5A)	X'10'	0	EEPLUSERSYNCPPOINT	"15" Structure Event: Event is a rebuild event. Stop rebuild processing complete.
90	(5A)	X'11'	0	EEPLVOLATILITYSTATECHANGE	"16" Structure Event: New user sync point defined and/or a user sync point is complete.
90	(5A)	X'12'	0	EEPLXESRECOMMENDACTION	"17" Structure Event: The volatility state of the structure has changed.
90	(5A)	X'13'	0	EEPLALTERBEGIN	"18" Connection Event: XES recommended action based on policy data.
90	(5A)	X'14'	0	EEPLALTEREND	"19" Structure Event: Structure alter begin.
					"20" Structure Event: Structure alter end.

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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
90	(5A)	X'15'	0	EEPLREBILDDUPLXESTABLISHED	"21" Structure Event: Event is a rebuild event. Duplexing has been established by each connector. Each connector may begin normal duplexed structure operations. This event is valid only for a duplexing rebuild.
90	(5A)	X'16'	0	EEPLREBILDSWITCH	"22" Structure Event: Event is a rebuild event. A duplexing rebuild stop has been requested, to switch to simplex mode using only the new structure. Each connector should prepare to switch and then confirm via IXLREBLD REQUEST=DUPLXCOMPLETE. This event is valid only for a duplexing rebuild.
90	(5A)	X'17'	0	EEPLLOSSCONNPNCTNOTIFY	"23" Connection Event: Lossconn Percentage Notification event.
90	(5A)	X'18'	0	EEPLSTRTEMPORARILYUNAVAILABLE	"24" Structure Event: A system-managed process has been initiated for the structure. Access to the structure will be prevented until the EeplStrAvailable event is presented. The event can be responded to either implicitly or via IXLEERSP.
90	(5A)	X'19'	0	EEPLSTRAVAILABLE	"25" Structure Event: A system-managed process has finished.
90	(5A)	X'1A'	0	EEPLSTRSTATECHANGE	"26" Structure Event: The characteristics of the structure or the coupling facility in which it resides may have changed.
90	(5A)	X'1A'	0	EEPLMAXEVENT	"26"

Comment

Rebuild Start and Stop Reason Constants
 Provided only on rebuild events (see prolog for list)
 NOTE: Constant names begin "EeplStartRsn" for start reasons
 Constant names begin "EeplStopRsn" for stop reasons

End of Comment

90	(5A)	X'1'	0	EEPLSTARTRSNLOSSCONN	"1" The rebuild was initiated because connector(s) lost connectivity to the facility containing the structure.
90	(5A)	X'2'	0	EEPLSTARTRSNSTRFAIL	"2" The rebuild was initiated because the structure failed. Structure failure also occurs if the facility containing the structure fails.
90	(5A)	X'3'	0	EEPLSTARTRSNCONNECTOR	"3" The structure rebuild process was initiated for an application specific reason. The application may identify its reason using the EeplStartRsnConnectorCode field.
90	(5A)	X'3'	0	EEPLSTOPRSNCONNECTOR	"3" The structure rebuild process was stopped for an application specific reason. The application may identify its reason using the EeplStopRsnConnectorCode field.
90	(5A)	X'4'	0	EEPLSTARTRSNOPERATOR	"4" The structure rebuild process was initiated by the operator.
90	(5A)	X'4'	0	EEPLSTOPRSNOPERATOR	"4" The structure rebuild process was stopped by the operator.
90	(5A)	X'5'	0	EEPLSTOPRSNLOSSCONNNEW	"5" The structure rebuild process was stopped because connector(s) lost connectivity to the coupling facility containing the new/secondary instance allocated for the process.
90	(5A)	X'5'	0	EEPLSTARTRSNPOLICY	"5" The duplexing rebuild was initiated by MVS in response to CFRM policy specification (DUPLX(ENABLED)).
90	(5A)	X'6'	0	EEPLSTOPRSNLOSSCONNOLD	"6" The structure rebuild process was stopped because connector(s) lost connectivity to the coupling facility containing the only/old/primary instance.
90	(5A)	X'7'	0	EEPLSTOPRSNSTRFAILNEW	"7" The structure rebuild process was stopped because the new/secondary instance allocated for the process failed. This reason is only set by MVS. MVS initiates stop processing when the new/secondary instance fails.
90	(5A)	X'8'	0	EEPLSTOPRSNSTRFAILOLD	"8" The structure rebuild process was stopped because the only/old/primary instance failed.
90	(5A)	X'9'	0	EEPLSTOPRSNSTRINSUFFCONN	"9" The structure rebuild process was stopped because the new/secondary instance does not provide connectivity which is better than or equivalent to the old/primary instance.
90	(5A)	X'A'	0	EEPLSTOPRSNSTRNOBETTERCONN	"10" The rebuild was stopped because the new/secondary instance does not provide better connectivity than the old/primary instance for this LossConn structure rebuild.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
90	(5A)	X'B'	0	EEPLSTOPRSNPOLICY	"11" The duplexing rebuild was stopped by MVS in response to CFRM policy specification (DUPLEX(DISABLED)).
90	(5A)	X'C'	0	EEPLSTOPRSNLOSSCONN	"12" The duplexing rebuild was stopped because connector(s) lost connectivity to one of the instances of the structure.
90	(5A)	X'D'	0	EEPLSTOPRSNSTRFAILURE	"13" The duplexing rebuild was stopped because one of the instances of the structure failed.
90	(5A)	X'E'	0	EEPLSTOPRSNINSUFFCONNCHGCON	"14" The duplexing rebuild was stopped because of insufficient connectivity due to a change in the set of connectors to the structure.
90	(5A)	X'F'	0	EEPLSTOPRSNPOPCFNOTSUITABLE	"15" The rebuild was stopped because the facility for which the populate process was started was not a suitable location for the structure.
90	(5A)	X'10'	0	EEPLSTOPRSNCONNECTORHANG	"16" The rebuild was stopped to try to alleviate a hang of a structure-related process caused by failure of a connector to provide an expected response
90	(5A)	X'11'	0	EEPLSTOPRSNNOCONIDAVAIL	"17" The duplexing rebuild was stopped because the structure instance did not have any available CONIDs
90	(5A)	X'12'	0	EEPLSTOPRSNALLOWUSERLIMCHG	"18" The duplexing rebuild was stopped because the structure instances had different facility user limits and a connector does not allow user limit changes. A connector must specify MAXCONN on IXLCONN to support user limit changes

Comment

Subject Information Level Constants

End of Comment

90	(5A)	X'1'	0	EEPLSUBJINFOLEVEL1	"1" The information presented for the connection is "level 1" information. Fields only filled in for "level 1" are indicated in the field description.
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Comment

Process Constants: constants defining values of
EepLSTRavailabilityProcess
EepLSSCProcessType

End of Comment

90	(5A)	X'1'	0	EEPLSYSMANAGEDREBUILD	"1" System-managed Process: the event is associated with a system-managed rebuild.
90	(5A)	X'2'	0	EEPLSYSMANAGEDDUPLEXINGREBUILD	"2" System-managed Process: the event is associated with a system-managed duplexing rebuild.
90	(5A)	X'60'	0	EEPLSTRSTATECHANGEINFO_LEN	**-EEPLSTRSTATECHANGEINFO"

IXLYEEPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EEPL	0		EEPLALTERBEGINRATIO	0	40
EEPL_LEN	A8	108	EEPLALTERBEGINSIZE	0	80
EEPLALTERBEGIN	5A	13	EEPLALTERCOMPOSITE	C	
EEPLALTERBEGINCFSTART	0	4	EEPLALTERCOMPOSITEFLAGS	C	
EEPLALTERBEGINUPREBLDNEW	0	1	EEPLALTERELEMENTRATIO	A	
EEPLALTERBEGINUPREBLDOLD	0	2	EEPLALTEREMCSTGPCT	12	
EEPLALTERBEGINEMCSTG	0	20	EEPLALTEREND	5A	14
EEPLALTERBEGINFLAGS	0		EEPLALTERENDADDITIONALCURRENTVALUES	30	
EEPLALTERBEGININFO	0		EEPLALTERENDALL	2	80
EEPLALTERBEGININFO_LEN	12	14	EEPLALTERENDCFSTART		

IXLYEEPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EEPLALTERENDCURRENTSIZE	0	4	EEPLALTERENDTARGETVALUES	14	
EEPLALTERENDCURRENTVALUES	8		EEPLALTERENTRYRATIO	14	
EEPLALTERENDDIRCOUNT	4		EEPLALTERMINELEMENT	8	
EEPLALTERENDDUPREBLDNEW	C		EEPLALTERMINEMC	F	
EEPLALTERENDDUPREBLDOLD	0	1	EEPLALTERMINENTRY	10	
EEPLALTERENDELEMOUNT	0	2	EEPLALTERRATIO	E	
EEPLALTERENDEMCCOUNT	10		EEPLALTERSIZE	C	80
EEPLALTERENDEMCCSTG	30		EEPLCART	4	
EEPLALTERENDENTRYCOUNT	0	20	EEPLCOMPLETEDUSERCOMPCode	24	
EEPLALTERENDESTMAXELEMENTS	C		EEPLCOMPLETEDUSEREVENT	48	
EEPLALTERENDESTMAXELEM	50		EEPLCOMPLETEDUSERSTATE	0	
EEPLALTERENDESTMAXENTRIES	48		EEPLCONDDATA	8	
EEPLALTERENDESTSCM	48		EEPLCONNINFOSUBJECT	10	
EEPLALTERENDFLAGS	3	4	EEPLCONNINFOSUBJECT2	54	
EEPLALTERENDINFO	0		EEPLCONNINFOTARGET	98	
EEPLALTERENDINFO_LEN	0		EEPLCONNSACTIVE	0	
EEPLALTERENDLOSSCONN	58	60	EEPLCONNSACTIVETOTAL	0	
EEPLALTERENDMAXSTRSIZE	3	40	EEPLCONNSUCCESSFUL	40	
EEPLALTERENDMINSTRSIZE	34		EEPLCONNSUCCESSFULTOTAL	20	
EEPLALTERENDRATIO	4		EEPLCONSID	44	
EEPLALTERENDREBLD	0	40	EEPLCONNTOKEN	2C	
EEPLALTERENDREBLDDEALLOC	2	20	EEPLDISCFAILCONNECTION	0	
EEPLALTERENDRECORDELEMENTS	3	8	EEPLDISCFROMNEWSTRALSO	5A	3
EEPLALTERENDREQEXCEPTION	C		EEPLDISCWITHLOCKRESOURCES	85	20
EEPLALTERENDSIZE	3	10	EEPLDUMMYLASTEVENT	85	40
EEPLALTERENDSOME	0	80	EEPLEVENT	86	40
EEPLALTERENDSTATEFLAGS	2	40	EEPLEVENTSEQ	1A	
EEPLALTERENDSTATUSFLAG1	2		EEPLEVENTSPECIFICINFO	1C	
EEPLALTERENDSTATUSFLAG2	3		EEPLEXISTINGCONNECTION	A8	
EEPLALTERENDSTOPBEFORESTART	3	20	EEPLEXISTINGCONNFLAGS	5A	1
EEPLALTERENDSTRFAIL	3	80	EEPLFAILEDCONNFLAGS	86	
EEPLALTERENDTARGETDIRCOUNT	18		EEPLFPATIXLCONN	85	
EEPLALTERENDTARGETTELEMOUNT	1C		EEPLGENERALINFO	86	20
EEPLALTERENDTARGETMCCOUNT	20		EEPLLOSSCONN	18	
EEPLALTERENDTARGETENTRYCOUNT	18		EEPLLOSSCONNDELAYACTION	5A	4
EEPLALTERENDTARGETRECORDELEMENTS	18		EEPLLOSSCONNINFORM	0	40
EEPLALTERENDTARGETSIZE	18		EEPLLOSSCONNINFORM_LEN	0	
			EEPLLOSSCONNINFORM_LEN	1	1
			EEPLLOSSCONNINFORM_LEN	5A	17
			EEPLLOSSCONNINFORM_LEN	0	
			EEPLLOSSCONNINFORM_LEN	1	2

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EEPLLOSSCONNPNCTNOTIFYPCTLOSSCONN	1		EEPLSSCCHARACTERISTICS	C	
EEPLLOSSCONNSTRFLAGS	0		EEPLSSCDUPLEXSTATEVALID	9	2
EEPLLOSSCONNSTRNEW	0	80	EEPLSSCFailureISOLATE	1C	
EEPLMAXEVENT	5A	1A	EEPLSSCFailureISOLATEVALID	9	8
EEPLNEWCONNECTION	5A	2	EEPLSSCPROCESSSType	8	
EEPLNEXTUSEREVENT	4		EEPLSSCSIZEINFOVALID	9	1
EEPLNEXTUSERSTATE	28		EEPLSSCSTRFACILITYUSERLIMIT	58	
EEPLNOTCONNSTR	86	10	EEPLSSCSTRLOCKNUMUSERS	59	
EEPLOPERATORINFO	24		EEPLSSCSTRMAXSTRSIZE	50	
EEPLREBUILDCLANUP	5A	C	EEPLSSCSTRMINSTRSIZE	54	
EEPLREBUILDCONNECT	5A	7	EEPLSSCSTRPHYSICALVERSION	3C	
EEPLREBUILDCONNECTFAILURE	5A	A	EEPLSSCSTRPHYSICALVERSIONVALID	9	10
EEPLREBUILDCONNECTSCOMPLETE	5A	B	EEPLSSCSTRPHYSICALVERSION2	44	
EEPLREBUILDCONNECTSCOMPLETEINFO	0		EEPLSSCSTRPHYSICALVERSION2VALID	9	4
EEPLREBUILDCONNECTSCOMPLETEINFO_LEN	44	48	EEPLSSCSTRSTRUCTURESIZE	4C	
EEPLREBUILDDDUPLEXESTABLISHED	5A	15	EEPLSSCSYSMGDDUPLEXED	C	40
EEPLREBUILDEXISTINGCONNECTION	5A	8	EEPLSSCSYSMGDDUPLEXEDFAILISOL	C	20
EEPLREBUILDNEWCONNECTION	5A	9	EEPLSSCUSERLIMITINFOVALID	A	80
EEPLREBUILDPCTLOSSCONN	4B		EEPLSSCVALIDITYFLAGS	9	
EEPLREBUILDPROCESSCOMPLETE	5A	D	EEPLSSCVALIDITYFLAG1	9	
EEPLREBUILDQUIESCE	5A	6	EEPLSSCVALIDITYFLAG2	A	
EEPLREBUILDQUIESCEINFO	0		EEPLSSCVOLATILE	C	80
EEPLREBUILDQUIESCEINFO_LEN	4	4	EEPLSSCVOLATILEVALID	9	20
EEPLREBUILDQUIESCEINFOFLAGS	0		EEPLSTARTRSNCONNECTOR	5A	3
EEPLREBUILDQUIESCELCCONT	0	80	EEPLSTARTRSNCONNECTORCODE	4C	
EEPLREBUILDQUIESCELOCOTHER	0	40	EEPLSTARTRSNLOSSCONN	5A	1
EEPLREBUILDSTARTREASON	49		EEPLSTARTRSNOPERATOR	5A	4
EEPLREBUILDSTOP	5A	E	EEPLSTARTRSNPOLICY	5A	5
EEPLREBUILDSTOPPROCESSCOMPLETE	5A	F	EEPLSTARTRSNSTRFAIL	5A	2
EEPLREBUILDSTOPREASON	4A		EEPLSTATEACTIVE	86	80
EEPLREBUILDSWITCH	5A	16	EEPLSTOPRSNALLOWUSERLIMCHG	5A	12
EEPLRETCODE	20		EEPLSTOPRSNCONNECTOR	5A	3
EEPLSSCAUTOVERSION	0		EEPLSTOPRSNCONNECTORCODE	50	
EEPLSSCCFLEVEL	10		EEPLSTOPRSNCONNECTORHANG	5A	10
EEPLSSCCFLEVELVALID	9	80	EEPLSTOPRSNINSUFFCONNCHGCON	5A	E
EEPLSSCCFNAME	14		EEPLSTOPRSNLOSSCONN	5A	C
EEPLSSCCFNAMEVALID	9	40	EEPLSTOPRSNLOSSCONNNEW	5A	5
EEPLSSCCHARACTERISTICFLAGS	C				

IXLYEEPL Cross Reference

Name	Hex Offset	Hex Value
EEPLSTOPRSNLOSSCONNOLD		
5A	6	
EEPLSTOPRSNNOCONIDAVAIL		
5A	11	
EEPLSTOPRSNOPERATOR		
5A	4	
EEPLSTOPRSNPOLICY		
5A	B	
EEPLSTOPRSNPOPCFNOTSUITABLE		
5A	F	
EEPLSTOPRSNSTRFAILNEW		
5A	7	
EEPLSTOPRSNSTRFAILOLD		
5A	8	
EEPLSTOPRSNSTRFAILURE		
5A	D	
EEPLSTOPRSNSTRINSUFFCONN		
5A	9	
EEPLSTOPRSNSTRNOBETTERCONN		
5A	A	
EEPLSTRAVAILABILITYAUTOVERSION		
0		
EEPLSTRAVAILABILITYINFO		
0		
EEPLSTRAVAILABILITYINFO_LEN		
8	9	
EEPLSTRAVAILABILITYPROCESS		
8		
EEPLSTRAVAILABLE		
5A	19	
EEPLSTRFAILDUPLEXOUTOFSYNCH		
48	4	
EEPLSTRFAILURE		
5A	5	
EEPLSTRNAME		
30		
EEPLSTRPHYSICALVERSION		
40		
EEPLSTRSTATE		
48		
EEPLSTRSTATECHANGE		
5A	1A	
EEPLSTRSTATECHANGEINFO		
0		
EEPLSTRSTATECHANGEINFO_LEN		
5A	60	
EEPLSTRSTATEFPERSISTENTCONNS		
48	20	
EEPLSTRSTATEPROCESSMETHOD		
48	1	
EEPLSTRSTATEREBUILD		
48	80	
EEPLSTRSTATEREBUILDDDUPLEX		
48	8	
EEPLSTRSTATEREBUILDSTOP		
48	40	
EEPLSTRSTATESTRVERSIONFLAG		
48	10	
EEPLSTRTEMPORARILYUNAVAILABLE		
5A	18	
EEPLSTRUCTUREVERSION		
40		
EEPLSUBJCFLEVEL		
98		
EEPLSUBJCONID		
57		
EEPLSUBJCONLEVEL		
88		
EEPLSUBJCONNAME		
68		
EEPLSUBJCONTOKEN		
58		
EEPLSUBJCONVERSION		
78		
EEPLSUBJDISCDATA		
90		

Name	Hex Offset	Hex Value
EEPLSUBJDISPOSITIONKEEP		
84	80	
EEPLSUBJFAILISOL		
84	40	
EEPLSUBJFLAGS		
84		
EEPLSUBJINFOLEVEL		
9C		
EEPLSUBJINFOLEVEL1		
5A	1	
EEPLSUBJSYSNAME		
7C		
EEPLSYSMANAGEDDUPLEXINGREBUILD		
5A	2	
EEPLSYSMANAGEDREBUILD		
5A	1	
EEPLTERMINATEDABNORMAL		
85	80	
EEPLUSERSYNCPPOINT		
5A	10	
EEPLUSERSYNCPPOINTINFO		
0		
EEPLUSERSYNCPPOINTINFO_LEN		
48	4C	
EEPLVOLATILE		
0	40	
EEPLVOLATILENEW		
0	80	
EEPLVOLATILITYSTATECHANGE		
5A	11	
EEPLVOLATILITYSTATECHANGEFLAGS		
0		
EEPLVOLATILITYSTATECHANGEINFO		
0		
EEPLVOLATILITYSTATECHANGEINFO_LEN		
1	1	
EEPLXESRECOMMENDACTION		
5A	12	
EEPLXESRECOMMENDACTIONDISCONNECT		
0	40	
EEPLXESRECOMMENDACTIONFLAGS		
0		
EEPLXESRECOMMENDACTIONINFO		
0		
EEPLXESRECOMMENDACTIONINFO_LEN		
1	2	
EEPLXESRECOMMENDACTIONPCTLOSSCONN		
1		
EEPLXESRECOMMENDACTIONPOLICY		
0	80	

IXLYEMC Information

IXLYEMC Programming Interface information

Programming Interface information

IXLYEMC

End of Programming Interface information

IXLYEMC Heading Information • IXLYEMC Map

IXLYEMC Heading Information

Common Name: Event Monitor Controls
Macro ID: IXLYEMC
DSECT Name: EMC
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: 64 bytes
 EMC -- X'0040' bytes
Created by: Storage area created by IXLLIST/IXLLSTC invoker.
Pointed to by: BUFFER or BUFLIST
Serialization: See BUFFER/BUFLIST parameter requirements on the IXLLIST/IXLLSTC interface description.
Function: Maps the information returned by an IXLLIST/IXLLSTC dequeue event queue request.
 The output area(s) indicated by BUFFER or BUFLIST on an IXLLIST/IXLLSTC REQUEST=DEQ_EVENTQ are filled with zero or more entries. Each entry is mapped by EMC and contains the Event Monitor Controls that were dequeued from the user's event queue within the structure. Each such EMC identifies a monitored sublist that was nonempty when the event queue was read.

IXLYEMC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EMC	Event Monitor Controls
0	(0)	CHARACTER	1		Reserved (zero).
1	(1)	SIGNED	1	EMCCONID	Connection Identifier.
2	(2)	CHARACTER	5		Reserved (zero).
7	(7)	BITSTRING	1	EMC_FLAGS (0)	
		.... .1..		EMC_NOTIFYONEVERY	
		.... ..1.		EMC_KEYTYPE	"X'04" 1 ==> indicates that an EMC will be queued to the event queue for every list entry added to the sublist (CFLEVEL >= 9) 0 ==> indicates that an EMC will be queued to the event queue for only the first list entry added to the sublist
8	(8)	SIGNED	4	EMCLISTNUM	List number of the list header containing the sublist.
12	(C)	CHARACTER	4		Reserved, specify as zero
16	(10)	CHARACTER	32	EMCLISTENTRYKEYS (0)	
16	(10)	CHARACTER	32	EMCLISTENTRYKEYBUF (0)	Entry Key or Secondary key indicated by Emc_KeyType
16	(10)	CHARACTER	16		KeyType = B'0'
32	(20)	CHARACTER	16	EMCLISTENTRYKEY	Reserved, specify as zero
16	(10)	CHARACTER	32	EMCSECONDARYKEY	KeyType = B'0', List Entry Key of sublist with which the EMC is associated.
48	(30)	CHARACTER	16	EMCUNC	KeyType = B'1', Secondary List Entry Key of sublist with which the EMC is associated.(CFLEVEL >= 9)
64	(40)	CHARACTER	1	EMCLISTEND (0)	User Notification Controls. The 16 bytes of user data defined when the user registered interest in the monitoring of this sublist.
64	(40)	X'40'	0	EMC_LEN	End Event Monitor Controls
					"*-EMC"

IXLYEMC Cross Reference

Name	Hex Offset	Hex Value
EMC	0	
EMC_FLAGS	7	
EMC_KEYTYPE	7	2
EMC_LEN	40	40
EMC_NOTIFYONEVERY	7	4
EMCCONID	1	
EMCLISTEND	40	
EMCLISTENTRYKEY		
	20	
EMCLISTENTRYKEYBUF		
	10	
EMCLISTENTRYKEYS		
	10	
EMCLISTNUM	8	
EMCSECONDARYKEY		
	10	
EMCUNC	30	

IXLYLAA Information

IXLYLAA Programming Interface information

Programming Interface information

IXLYLAA

End of Programming Interface information

IXLYLAA Heading Information • IXLYLAA Map

IXLYLAA Heading Information

Common Name: List Answer Area
Macro ID: IXLYLAA
DSECT Name: LAA
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: 256 bytes
 LAA -- 'X'0100' bytes
Created by: Invoker of IXLLIST/IXLLSTC/IXLLSTE/IXLLSTM service.
Pointed to by: ANSAREA parameter on
 IXLLIST/IXLLSTC/IXLLSTE/IXLLSTM
Serialization: NONE
Function: Maps the answer area output from
 IXLLIST/IXLLSTC/IXLLSTE/IXLLSTM requests

IXLYLAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LAA	List answer area
0	(0)	CHARACTER	12	LAAHEADER (0)	List Answer area header
0	(0)	SIGNED	4	LAALEVEL	Macro level of this version of the IXLYLAA macro
4	(4)	SIGNED	4	LAAOFFSET	Offset from the beginning of the structure (Laa) to the answer area data (LaaData)
8	(8)	SIGNED	4	LAALENGTH	Length of the answer area data
12	(C)	CHARACTER	244	LAADATA (0)	List Answer area data
12	(C)	SIGNED	4	LAARETCODE	Return code. Values are defined in IXLYCON.
16	(10)	SIGNED	4	LAARSNCODE	Reason code. Values are defined in IXLYCON.

Comment

LaaOutData contains information returned by the IXLLIST request. Different information is returned for different requests and for different LaaRetcode/LaaRsncode combinations. Use the submapping that is appropriate for the type of request that was issued. Take note of the circumstances under which the data is valid for use.

End of Comment

20	(14)	CHARACTER	216	LAAOUTDATA (0)	Output data that is unique to the IXLLIST request that was made.
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Comment

 LaaOutData: Monitor Event Queue ACTION=START (CFLEVEL >= 3)

End of Comment

20	(14)	CHARACTER	140	LAAMNEQ (0)	MONITOR_EVENTQ ACTION=START
20	(14)	CHARACTER	132		Reserved.
152	(98)	CHARACTER	3		Reserved.
155	(9B)	BITSTRING	1	LAAMNEQ_FLAGS (0)	
		.... ...1		LAAMNEQ_EVENTQUEUED	"X'01" ON if the user's event queue was not empty. Returned when the request completes successfully.
156	(9C)	SIGNED	4	LAAMNEQ_EVENTCNT	Count of number of events (Event Monitor Control objects) queued to user's event queue when monitoring was established. Returned when the request completes successfully.

Comment

 LaaOutData: Monitor List ACTION=START (CFLEVEL >= 0)

End of Comment

20	(14)	CHARACTER	140	LAAMNL (0)	MONITOR_LIST ACTION=START
20	(14)	CHARACTER	132		Reserved.
152	(98)	CHARACTER	3		Reserved.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
155	(9B)	BITSTRING.....1	1	LAAMNL_FLAGS (0) LAAMNL_ENTRYQUEUED	"X'01" ON if the list was not empty. Returned if the request completes successfully and the structure is allocated in a level 3 (or greater) coupling facility.
156	(9C)	SIGNED	4	LAAMNL_LISTCNT	Count of in-use entries or elements residing on the list when monitoring was established. Returned when the request completes successfully.
Comment					

LaaOutData: Monitor Sublist ACTION=START (CFLEVEL >= 3)

End of Comment					
20	(14)	CHARACTER	144	LAAMNSL (0)	MONITOR_SUBLIST ACTION=START
20	(14)	CHARACTER	132		Reserved.
152	(98)	CHARACTER	3		Reserved.
155	(9B)	BITSTRING.....1	1	LAAMNSL_FLAGS (0) LAAMNSL_ENTRYQUEUED	"X'01" ON if the sublist was not empty. Returned when the request completes successfully.
156	(9C)	SIGNED	4	LAAMNSL_EMCCNT	Count of Event Monitor Control (EMC) objects in use by the structure when monitoring was established. Returned when the request completes successfully, or when the request fails because the structure has no more EMCs (rsn=IxIRsnCodeStrFull)
160	(A0)	SIGNED	4	LAAMNSL_MAXEMCCNT	Maximum number of EMCs for the structure. Returned when the request completes successfully, or when the request fails because the structure has no more EMCs (rsn=IxIRsnCodeStrFull)

Comment

LaaOutData: Monitor Sublists (CFLEVEL >= 3)

End of Comment					
20	(14)	CHARACTER	144	LAAMNSLS (0)	MONITOR_SUBLISTS
20	(14)	CHARACTER	132		Reserved.
152	(98)	CHARACTER	2		Reserved.
154	(9A)	SIGNED	2	LAAMNSLS_FAILINDEX	Index of first unprocessed input MSRI (mapped by IXLYMSRI) entry when the request completes prematurely. Premature completion can occur when the request times out (rsn=IxIRsnCodeTimeout), when the structure has no more EMCs left (rsn=IxIRsnCodeStrFull), or when an invalid list number is specified in an MSRI (rsn=IxIRsnCodeBadListNumber).
156	(9C)	SIGNED	4	LAAMNSLS_EMCCNT	Count of Event Monitor Control (EMC) objects in use by the structure when MONITOR_SUBLISTS completed. Returned when the request completes successfully or when it completes prematurely.
160	(A0)	SIGNED	4	LAAMNSLS_MAXEMCCNT	Maximum number of EMCs for the structure. Returned when the request completes successfully or when it completes prematurely.

Comment

LaaOutData: Dequeue Event Queue (CFLEVEL >= 3)

End of Comment					
20	(14)	CHARACTER	8	LAADEQ (0)	DEQ_EVENTQ
20	(14)	SIGNED	4	LAADEQ_EMCCQUEUEDCNT	Number of Event Monitor Control (EMC) objects still queued to the event queue. Returned when the request completes successfully or terminates with EMCs still on the event queue (rsn=IxIRsnCodeTimeout).
24	(18)	SIGNED	4	LAADEQ_NUMEMCREAD	

IXLYLAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Number of EMC objects that were dequeued and read. The storage area identified by BUFFER or BUFLIST on the IXLLIST invocation contains the EMCs, which are numbered from one to this count. The EMCs in the storage area are mapped by IXLYEMC. Returned when the request completes successfully or terminates with EMCs still on the event queue (rsn=IXLRsnCodeTimeout).

LaaOutData: Read Event Monitor Controls (CFLEVEL >= 3)					

End of Comment					
20	(14)	CHARACTER	72	LAAREMC (0)	READ_EMCONTROLS Indicated data is returned only when the request completes successfully.
20	(14)	CHARACTER	2		Reserved.
22	(16)	BITSTRING	1	LAAREMC_CONID	Connection identifier of the connector associated with the EMC.
23	(17)	BITSTRING	1	LAAREMC_FLAGS (0)	
		.... .1..		LAAREMC_NOTIFYONEVERY	"X'04" ON ==> indicates that an EMC will be queued to the associated event queue whenever a list entry is added to the sublist. OFF ==> indicates that an EMC will be queued to the associated event queue whenever the first list entry is added to the sublist. (CFLEVEL >=9)
		.... ..1.		LAAREMC_EMCKEYTYPE	"X'02" ON ==> if EMC is associated with a sublist for a secondary key. LaaREMC_SecondaryKey is valid. OFF ==> if EMC is associated with a sublist for list entry key. LaaREMC_ListEntryKey is valid (CF level >= 9)
		.... ...1		LAAREMC_EMQUEUEUED	"X'01" ON if EMC is queued to event queue of connector identified by ConId.
24	(18)	SIGNED	4	LAAREMC_LISTNUM	List number of the list with which EMC is associated.
28	(1C)	CHARACTER	16	LAAREMC_LISTENTRYKEY	List entry key of sublist with which EMC is associated. Valid when LaaREMC_EmcKeyType = OFF.
44	(2C)	CHARACTER	16	LAAREMC_UNC	User notification control data supplied by connector when this EMC was established to monitor the indicated sublist.
60	(3C)	CHARACTER	32	LAAREMC_SECONDARYKEY	Secondary key of sublist with which EMC is associated. Valid when LaaREMC_EmcKeyType = ON. (CFLEVEL>=9)

LaaOutData: Read Event Queue Controls (CFLEVEL >= 3)					

End of Comment					
20	(14)	CHARACTER	16	LAAREQC (0)	READ_EQCONTROLS Indicated data is returned only when the request completes successfully.
20	(14)	CHARACTER	3		Reserved (zeros)
23	(17)	BITSTRING	1	LAAREQC_FLAGS (0)	
		1...		LAAREQC_DRIVEEXIT	"X'80" ON if XES is to drive the connection list transition exit when the user's event queue changes from empty to non-empty.
		.1..		LAAREQC_MONITORINGACTIVE	"X'40" ON if monitoring is active for this event queue
		..1.		LAAREQC_EVENTQUEUEUETYPE	"X'20" ON = Queue of EMCs that are associated with a sublists for secondary keys, OFF = Queue of EMCs that are associated with sublists for entry keys.(CFLEVEL >= 9)
24	(18)	SIGNED	4	LAAREQC_VECTORINDEX	Vector index associated with the monitored event queue
28	(1C)	SIGNED	4	LAAREQC_EMQUEUEUCNT	Number of Event Monitor Control (EMC) objects queued to the event queue.
32	(20)	SIGNED	4	LAAREQC_EVENTTRAN	Approximate number of empty to non-empty event queue transitions that have occurred.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				

LaaOutData: Read_LControls (CFLEVEL >= 0)					

End of Comment					
20	(14)	CHARACTER	216	LAARLC (0)	READ_LCONTROLS
20	(14)	CHARACTER	32	LAARCLISTDESC	The user specified description of the list. Returned on successful Read_LControls requests
52	(34)	CHARACTER	16	LAARCLISTAUTH	List authority. Returned on successful Read_LControls requests
68	(44)	SIGNED	4	LAARCLISTLIMIT (0)	The maximum number of entries or elements which can be placed on the list. Returned on successful Read_LControls requests
68	(44)	SIGNED	4	LAALISTLIMIT	The maximum number of entries or elements which can be placed on the list. Returned on successful Read_LControls requests
72	(48)	SIGNED	4	LAARCLISTTRAN (0)	Approximate number of empty to non-empty transitions for the list. Returned on successful Read_LControls requests.
72	(48)	SIGNED	4	LAALISTTRAN	Approximate number of empty to non-empty transitions for the list. Returned on successful Read_LControls requests.
76	(4C)	SIGNED	2	LAARCLMICNT (0)	Count of list monitoring information entries (mapped by IXLYLMI) returned. Returned for successful Read_LControls requests. The entries are numbered from 0 to LAALMICNT-1. The first entry (number 0) is not used. The rest of the entries correspond to the connections, e.g. entry 1 corresponds to the connection with Conld=1.
76	(4C)	SIGNED	2	LAALMICNT	Count of list monitoring information entries (mapped by IXLYLMI) returned. Returned for successful Read_LControls requests. The entries are numbered from 0 to LAALMICNT-1. The first entry (number 0) is not used. The rest of the entries correspond to the connections, e.g. entry 1 corresponds to the connection with Conld=1.
78	(4E)	CHARACTER	6		Reserved
84	(54)	CHARACTER	16	LAARCLISTKEY	List controls key value. Returned on successful Read_LControls requests.
100	(64)	CHARACTER	16	LAARLCMAXLISTKEY	List controls maximum list key value. Returned on successful Read_LControls requests.
116	(74)	CHARACTER	16	LAARLCKEYRANGESTART	Key value that specifies the lower or starting value of the Key range being monitored. (CFLEVEL >= 9)
132	(84)	CHARACTER	16	LAARLCKEYRANGEEND	Key value that specifies the upper or ending value of the Key range being monitored. (CFLEVEL >= 9)
148	(94)	CHARACTER	8		Reserved
156	(9C)	SIGNED	4	LAARCLISTCNT	Count of in-use entries or elements residing on the processed list. This count includes the number of in-use list entries or elements for the processed list that reside in coupling facility real and storage class memory. Returned for successful Read_LControls requests.
160	(A0)	SIGNED	4	LAARCLISTEMPTYCOUNT	Count of number of list entries that must remain in the list to suppress a not-empty to empty state change. (CFLEVEL >= 9)
164	(A4)	SIGNED	4	LAARCLISTNOTEMPTYCOUNT	Count of number of list entries that must be included in the list before an empty-to-not-empty state change will occur. (CFLEVEL >= 9)
168	(A8)	SIGNED	4	LAARLCKEYRANGEEMPTYCOUNT	Count of the number of list entries that must remain in the Key range to suppress a not-empty to empty state change. (CFLEVEL >= 9)
172	(AC)	SIGNED	4	LAARLCKEYRANGENOTEMPTYCOUNT	Count of the number of list entries that must be included in the key range before an empty-to-not-empty state change will occur. (CFLEVEL >= 9)
176	(B0)	CHARACTER	12	LAARCLISTCURSOR (0)	List cursor. Returned on successful Read_LControls requests. This is a list entry identifier. A value of zero means the list cursor has not been set for the list.
176	(B0)	CHARACTER	12	LAALISTCURSOR	List cursor. Returned on successful Read_LControls requests. This is a list entry identifier. A value of zero means the list cursor has not been set for the list.

IXLYLAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
188	(BC)	BITSTRING	1	LAARLCFLAGS (0)	Flags
		1... ..		LAACURSORDIR	"X'80" List cursor direction. 0 -> from head to tail. 1 -> from tail to head. Returned on successful Read_LControls requests. (CFLEVEL >= 1)
		.1.. ..		LAARLCELEMCOUNTIND	"X'40" Element Count Indicator: 0 -> LaaRlcListLimit and LaaRlcListCnt expressed in number of list entries. 1 -> LaaRlcListLimit and LaaRlcListCnt expressed in number of list elements. Returned for successful Read_LControls requests. (CFLEVEL >= 19)
189	(BD)	CHARACTER	47		Reserved

Comment

LaaOutData: Read_StrCounts (CFLEVEL >= 0)

End of Comment

20	(14)	CHARACTER	28	LAARSTC (0)	READ_STRCOUNTS
20	(14)	SIGNED	4	LAARSTCLISTLOCKENTRIES	Number of lock entries for the list structure.
24	(18)	SIGNED	4	LAARSTCLISTELEMENTCOUNT	Number of data elements in use for the structure. This count includes the number of data elements for the structure that currently reside in coupling facility real and storage class memory.
28	(1C)	SIGNED	4	LAARSTCMAXELEMENTCOUNT	Number of data elements allocated to the structure in coupling facility real storage
32	(20)	SIGNED	4	LAARSTCLISTENTRYCOUNT	Number of entries in use for the list structure. This count includes the number of list entries for the structure that currently reside in coupling facility real and storage class memory.
36	(24)	SIGNED	4	LAARSTCMAXENTRYCOUNT	Number of entries allocated to the structure in coupling facility real storage
40	(28)	SIGNED	4	LAARSTCLISTEMCCOUNT	Number of Event Monitor Controls objects in use for this structure. Applicable only to keyed list structure.
44	(2C)	SIGNED	4	LAARSTCMAXEMCCOUNT	Maximum possible number of Event Monitor Controls objects in the structure. Applicable only to keyed list structure.

Comment

LaaOutData: Other requests

End of Comment

20	(14)	CHARACTER	216	LAAOUTOTHER (0)	Other requests
20	(14)	CHARACTER	64	LAALCTL (0)	List entry controls, mapped by IXLYLCTL. These are returned for READ, WRITE, MOVE, and DELETE whenever the request completes successfully. These are also returned for the following requests for the following failure conditions: READ: because of list number, version number or key comparison failure, or because the buffer is too small to contain the entry being read WRITE: because of list number, version number or key comparison failure, or because the specified entry name or entryID was not unique which prevented the creation of a new entry. The returned controls are for the allocated entry for which the name or ID conflict exists. MOVE: because of list number, version number or key comparison failure, or because the buffer is too small to contain the entry being read, or because the specified entry name or entryID was not unique which prevented the creation of a new entry. The returned controls are for the allocated entry for which the name or ID conflict exists. DELETE: because of a list number, version number or key comparison failure READ_LIST: because of a listnumber comparison failure, or because the buffer is too small to contain the first entry being read or, because the request completed prematurely - the controls are for the first unprocessed entry. READ_MULT: because the buffer is too small to contain the first entry being read MOVE_ENTRYLIST: because of a list number, version number or key comparison failure DELETE_LIST: because of a list number comparison failure or because the request completed prematurely (the controls are for the first unprocessed entry). DELETE_ENTRYLIST: because of a list number, version number of key comparison failure

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
20	(14)	CHARACTER	32	LAALISTDESC	The user specified description of the list. Returned on successful READ_LCONTROLS requests and on READ, READ_LIST, READ_MULT, WRITE, WRITE_LCONTROLS, MOVE, DELETE, DELETE_MULT, and DELETE_ENTRYLIST requests when the request fails because of an authority mismatch.
52	(34)	CHARACTER	16	LAALISTAUTH	List authority. Returned on successful READ_LCONTROLS requests and on READ, READ_LIST, READ_MULT, WRITE, WRITE_LCONTROLS, MOVE, DELETE, DELETE_MULT, and DELETE_ENTRYLIST requests when the request fails because of an authority mismatch.
68	(44)	CHARACTER	16		Reserved
84	(54)	CHARACTER	64	LAARLRLMCTLS (0)	List entry controls, mapped by IXLYLCTL. These are returned for READ_LIST and READ_MULT requests specifying TYPE=ECONTROLS which either complete successfully or prematurely. The controls correspond to the first processed entry.
84	(54)	CHARACTER	16	LAALISTKEY	List controls key value. Returned on successful READ_LCONTROLS requests and on WRITE and MOVE requests which fail because the maximum list key value would be exceeded. Only returned for structures allocated on level 1 or greater coupling facilities.
100	(64)	CHARACTER	16	LAAMAXLISTKEY	List controls maximum list key value. Returned on successful READ_LCONTROLS requests and on WRITE and MOVE requests which fail because the maximum list key value would be exceeded. Only returned for structures allocated on level 1 or greater coupling facilities.
116	(74)	CHARACTER	32		Reserved
148	(94)	SIGNED	4	LAATOTALCNT	Total count of in-use entries in the list structure. This count includes the number of list entries for the structure that currently reside in coupling facility real and storage class memory. Returned for successful READ, WRITE, MOVE, and DELETE requests.
152	(98)	SIGNED	4	LAATOTALELECNT	Total count of in-use elements in the list structure. This count includes the number of list elements for the structure that currently reside in coupling facility real and storage class memory. Returned for successful READ, WRITE, MOVE, and DELETE requests.
156	(9C)	SIGNED	4	LAALISTCNT (0)	Count of in-use entries or elements residing on the processed list. This count includes the number of list entries or elements for the processed list that currently reside in coupling facility real and storage class memory. Returned for successful READ, WRITE, MOVE, DELETE, and READ_LCONTROLS requests. For MOVE requests this field reflects the target list.
156	(9C)	SIGNED	4	LAAREADCNT (0)	Count of entries read by READ_LIST or READ_MULT. Returned for both successful and premature request completion.
156	(9C)	SIGNED	4	LAADELCNT (0)	Count of entries deleted by DELETE_MULT, DELETE_ENTRYLIST, or DELETE_LIST. Returned for both successful and premature request completion, and on DELETE_ENTRYLIST when it fails because an entry does not exist or because of an invalid index value, OR because the list number, version number or key comparison failed.
156	(9C)	SIGNED	4	LAAMOVECNT	Count of entries moved or successfully processed. Returned on successful completion of a MOVE_ENTRYLIST request. Also returned for a MOVE_ENTRYLIST when the request completes prematurely, OR the request fails because the list entry does not exist, OR because the index is not valid, OR because the target list number is not valid, OR because the list number, version number or key comparison failed, OR because the list is full. (CFLEVEL 9)
160	(A0)	SIGNED	2	LAFAILINDEX	Index into ENTRYIDLIST or NAMELIST supplied to a DELETE_ENTRYLIST or MOVE_ENTRYLIST indicating either: the index of the list entry which does not exist, OR the index of the first unprocessed entry when the request completed prematurely or failed due to an invalid index value OR the index of the list entry which encountered a version number, list number or key comparison failure.
162	(A2)	CHARACTER	1	LAFULLDIAG	Diagnostic information provided when the request cannot be completed because the structure is full.
163	(A3)	BITSTRING	1	LAACONID	Connection ID of the connection holding the lock, or zeros if no connection holds the lock. Returned for HELDBY locking operations, whenever LOCKCOMP is specified, or whenever a LOCKMODE of COND is specified and the lock is not already appropriately held or not held as is required for successful request completion. Also returned for unconditional SET and NOTHELD operations which fail because the lock is held by a failed persistent connection and for RESET operations when LOCKCOMP is omitted and the request fails because the lock is not held by the invoking connection. Also returned for TEST operations when the lock is not held by the specified connection and for READNEXT operations.
164	(A4)	SIGNED	4	LAALOCKINDEX	The index of the lock found for a request specifying a LOCKOPER value of READNEXT. If the request completed prematurely this is the index of the next lock to be processed.
168	(A8)	CHARACTER	20	LAARESTARTTOKENAREA (0)	Area containing output restart tokens

IXLYLAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
168	(A8)	CHARACTER	20	LAARESTOKENAREA (0)	Area containing standard restart token
168	(A8)	CHARACTER	8	LAARESTOKEN	Request restart token. Returned on READ_MULT and DELETE_MULT requests which complete prematurely. Valid for connectors that specify ALLOWAUTO=NO on their IXLCONN invocation.
176	(B0)	CHARACTER	12		Unused
168	(A8)	CHARACTER	20	LAAEXTRESTOKENAREA (0)	Area containing extended restart token
168	(A8)	CHARACTER	16	LAAEXTRESTOKEN	Request extended restart token. Returned on READ_MULT and DELETE_MULT requests which complete prematurely. Valid for connectors that specify ALLOWAUTO=YES on their IXLCONN invocation.
184	(B8)	CHARACTER	4		Reserved
188	(BC)	BITSTRING .1..	1	LAAFLAGS1 (0) LAAENTRYCREATED	Flags "X'40" The request created a new entry. Returned on successful WRITE requests and successful MOVE requests when DATAOPER=WRITE is specified. Only returned for structures allocated on level 1 or greater coupling facilities.
189	(BD)	CHARACTER	3		Reserved
192	(C0)	CHARACTER	32	LAASECONDARYKEY	Secondary Key - this is returned for WRITE, MOVE, and DELETE whenever the request completes successfully. These are also returned for the following requests for the following failure conditions: READ: because of list number, version number or key comparison failure, or because the buffer is too small to contain the entry being read WRITE: because of list number, version number or key comparison failure, or because the specified entryID was not unique which prevented the creation of a new entry. MOVE: because of list number, version number or key comparison failure DELETE: because of a list number, version number or key comparison failure READ_LIST: because of a list number comparison failure, or because the buffer is too small to contain the first entry being read READ_MULT: because the buffer is too small to contain the first entry being read MOVE_ENTRYLIST: because of a list number, version number or key comparison failure DELETE_LIST: because of a list number comparison failure, or because the request completed prematurely DELETE_ENTRYLIST: because of a list number, version number of key comparison failure
224	(E0)	CHARACTER	8		Reserved
232	(E8)	SIGNED	4	LAASUSPENDTIME	Suspend time for request (microseconds). Will be zero if the request was not suspended or if the support for suspend time computation is not installed.
					Comment

Fields reserved for system use					

					End of Comment
236	(EC)	CHARACTER	20	LAARSVD (0)	Reserved
236	(EC)	CHARACTER	4	LAARSVD1	Reserved for system use
240	(F0)	CHARACTER	16	LAARSVD2	Reserved for system use
256	(100)	CHARACTER	1	LAAEND (0)	End IXLLIST answer area
256	(100)	X'100'	0	LAAMAXSIZELEVEL0	"256" Maximum size in bytes of LAA at macro level 0.
256	(100)	X'0'	0	LAALEVEL#	"0" Macro level number
256	(100)	X'0'	0	LAALEVELNUM	"0" Macro level number
256	(100)	X'100'	0	LAA_LEN	**-'LAA"

IXLYLAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LAA	0		LAAOUTDATA	14	
LAA_LEN	100	100	LAAOUTOTHER	14	
LAACONID	A3		LAAREADCNT	9C	
LAACURSORDIR	BC	80	LAAREMC	14	
LAADATA	C		LAAREMC_CONID		
LAADLCNT	9C			16	
LAADEQ	14		LAAREMC_EMCKEYTYPE	17	2
LAADEQ_EMCCQUEUEDCNT	14		LAAREMC_EMCCQUEUED	17	1
LAADEQ_NUMEMCCREAD	18		LAAREMC_FLAGS	17	
LAAEND	100		LAAREMC_LISTENTRYKEY	1C	
LAAENTRYCREATED	BC	40	LAAREMC_LISTNUM	18	
LAAEXTRESTOKEN	A8		LAAREMC_NOTIFYONEVERY	17	4
LAAEXTRESTOKENAREA	A8		LAAREMC_SECONDARYKEY	3C	
LAAFALINDEX	A0		LAAREMC_UNC	2C	
LAAFALAGS1	BC		LAAREQC	14	
LAAFALLDIAG	A2		LAAREQC_DRIVEEXIT		
LAAHEADER	0			17	80
LAAKMAXSIZELEVEL0	100	100	LAAREQC_EMCCQUEUEDCNT	1C	
LAAALCTL	14		LAAREQC_EVENTQUEUETYPE	17	20
LAAALNGTH	8		LAAREQC_EVENTTRAN	20	
LAAALEVEL	0		LAAREQC_FLAGS	17	
LAAALEVEL#	100	0	LAAREQC_MONITORINGACTIVE	17	40
LAAALEVELNUM	100	0	LAAREQC_VECTORINDEX	18	
LAAALSTAUTH	34		LAARESTARTTOKENAREA	A8	
LAAALSTCNT	9C		LAARESTOKEN	A8	
LAAALSTCURSOR	B0		LAARESTOKENAREA	A8	
LAAALSTDESC	14		LAARETCODE	C	
LAAALSTKEY	54		LAARLC	14	
LAAALSTLIMIT	44		LAARLCELEMCOUNTIND	BC	40
LAAALSTTRAN	48		LAARLCFLAGS	BC	
LAAALMICNT	4C		LAARLCKEYRANGEEMPTYCOUNT	A8	
LAAALOCKINDEX	A4		LAARLCKEYRANGEEND	84	
LAAAMAXLISTKEY	64		LAARLCKEYRANGENOTEMPTYCOUNT	AC	
LAAAMNEQ	14		LAARLCKEYRANGESTART	74	
LAAAMNEQ_EVENTCNT	9C		LAARLCLSTAUTH	34	
LAAAMNEQ_EVENTQUEUED	9B	1	LAARLCLSTCNT	9C	
LAAAMNEQ_FLAGS	9B		LAARLCLSTCURSOR	B0	
LAAAMNL	14		LAARLCLSTDESC	14	
LAAAMNL_ENTRYQUEUED	9B	1	LAARLCLSTEMPTYCOUNT	A0	
LAAAMNL_FLAGS	9B		LAARLCLSTKEY	54	
LAAAMNL_LISTCNT	9C		LAARLCLSTLIMIT	44	
LAAAMNSL	14		LAARLCLSTNOTEMPTYCOUNT	A4	
LAAAMNSL_EMCCCNT	9C		LAARLCLSTTRAN	48	
LAAAMNSL_ENTRYQUEUED	9B	1			
LAAAMNSL_FLAGS	9B				
LAAAMNSL_MAXEMCCCNT	A0				
LAAAMNSLS	14				
LAAAMNSLS_EMCCCNT	9C				
LAAAMNSLS_FAILINDEX	9A				
LAAAMNSLS_MAXEMCCCNT	A0				
LAAAMOVECNT	9C				
LAAOFFSET	4				

IXLYLAA Cross Reference

Name	Hex Offset	Hex Value
LAARLCLMICNT	4C	
LAARLCMAXLISTKEY		
	64	
LAARLRMLCTL	54	
LAARSNCODE	10	
LAARSTC	14	
LAARSTCLISTELEMENTCOUNT		
	18	
LAARSTCLISTEMCCOUNT		
	28	
LAARSTCLISTENTRYCOUNT		
	20	
LAARSTCLISTLOCKENTRIES		
	14	
LAARSTCMAXELEMENTCOUNT		
	1C	
LAARSTCMAXEMCCOUNT		
	2C	
LAARSTCMAXENTRYCOUNT		
	24	
LAARSVD	EC	
LAARSVD1	EC	
LAARSVD2	F0	
LAASECONDARYKEY		
	C0	
LAASUSPENDTIME		
	E8	
LAATOTALCNT	94	
LAATOTALELECNT		
	98	

IXLYLCTL Information

IXLYLCTL Programming Interface information

Programming Interface information

IXLYLCTL

End of Programming Interface information

IXLYLCTL Heading Information • IXLYLCTL Cross Reference

IXLYLCTL Heading Information

Common Name: List Entry Controls mapping
Macro ID: IXLYLCTL
DSECT Name: LCTL
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: 64 bytes
Created by: Storage area created by IXLLIST invoker
 Data fields set by IXLLIST service routine
Pointed to by: ANSAREA, BUFFER or BUFLIST
Serialization: See BUFFER/BUFLIST parameter requirements on the IXLLIST interface description.
Function: Maps the list entry controls returned in the IXLLIST answer area specified by ANSAREA, and also maps the list entry controls returned in the area(s) specified by BUFFER or BUFLIST for an IXLLIST READ_LIST or READ_MULT request when list entry controls were requested.

IXLYLCTL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LCTL	, List Entry Controls
0	(0)	CHARACTER	32	LCTLNONMKY (0)	Subset of list entry controls which are always valid
0	(0)	SIGNED	1	LCTLELEMNUM	List entry size expressed as the number of elements in the entry
1	(1)	CHARACTER	7		Reserved
8	(8)	SIGNED	4	LCTLLISTNUM	The number of the list on which the list entry resides
12	(C)	CHARACTER	12	LCTLENTYID	List entry identifier
24	(18)	CHARACTER	8	LCTLVERSION	List entry version number
32	(20)	CHARACTER	16	LCTLNAME (0)	List entry name. Only meaningful if the structure supports names.
32	(20)	CHARACTER	16	LCTLKEY	List entry key. Only meaningful if the structure supports keys.
48	(30)	CHARACTER	16		Reserved
64	(40)	CHARACTER	1	LCTLEND (0)	End of List Entry Controls
64	(40)	X'40'	0	LCTL_LEN	**-LCTL"

IXLYLCTL Cross Reference

Name	Hex Offset	Hex Value
LCTL	0	
LCTL_LEN	40	40
LCTLELEMNUM	0	
LCTLEND	40	
LCTLENTYID	C	
LCTLKEY	20	
LCTLLISTNUM	8	
LCTLNAME	20	
LCTLNONMKY	0	
LCTLVERSION	18	

IXLYLEPL Information

IXLYLEPL Programming Interface information

Programming Interface information

IXLYLEPL

End of Programming Interface information

IXLYLEPL Heading Information • IXLYLEPL Cross Reference

IXLYLEPL Heading Information

Common Name: List Transition Exit Parameter List
Macro ID: IXLYLEPL
DSECT Name: LEPL
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 205
 Key: 0
 Residency: Above 16 MB in virtual storage.
Size: LEPL -- X'0040' bytes
Created by: IXLX1LTE
Pointed to by: R1 points to a word which contains the address of the LEPL on entry to the list transition exit.
Serialization: None required
Function: Mapping of parameter list of list transition exit interface to user of XES.

IXLYLEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LEPL	List transition exit parm list
0	(0)	CHARACTER	24	LEPLCONNINFOTARGET (0)	This section contains information about the connector whose List Transition Exit has been driven.
0	(0)	CHARACTER	16	LEPLCONTOKEN	Connect token of the connector whose List Transition Exit has been driven.
16	(10)	BITSTRING	8	LEPLCONDATA	Connect-time data of the connector whose List Transition Exit has been driven.
24	(18)	CHARACTER	4	LEPLCONNINFOSUBJECT (0)	This section contains information about the event presented to the connector.
24	(18)	SIGNED	2	LEPLEVENT	Event code, see below
26	(1A)	SIGNED	2		Reserved
28	(1C)	CHARACTER	12	LEPLVECTORTOKEN	Vector Token
40	(28)	CHARACTER	24		Reserved
40	(28)	X'1'	0	LEPLLISTTRANS	"1" Structure Event: A list header or user's event queue (or both) in the structure to which the user is connected has transitioned from an empty to non-empty state
40	(28)	X'40'	0	LEPL_LEN	**-LEPL"

IXLYLEPL Cross Reference

Name	Hex Offset	Hex Value
LEPL	0	
LEPL_LEN	28	40
LEPLCONDATA	10	
LEPLCONNINFOSUBJECT	18	
LEPLCONNINFOTARGET	0	
LEPLCONTOKEN	0	
LEPLEVENT	18	
LEPLLISTTRANS	28	1
LEPLVECTORTOKEN	1C	

IXLYLMI Information

IXLYLMI Programming Interface information

Programming Interface information

IXLYLMI

End of Programming Interface information

IXLYLMI Heading Information • IXLYLMI Map

IXLYLMI Heading Information

Common Name: List Monitoring Information
Macro ID: IXLYLMI
DSECT Name: LMI
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: 8 bytes
 LMI -- X'0008' bytes
 KRMI -- X'0008' bytes
Created by: Storage area created by IXLLIST/IXLLSTC invoker
 Data fields set by IXLLIST/IXLLSTC service routine
Pointed to by: BUFFER or BUFLIST
Serialization: See BUFFER/BUFLIST parameter requirements on the IXLLIST/IXLLSTC interface description.
Function: Maps the list monitoring information for a connection identifier returned from a READ_LCONTROLS request. Also maps the Keyrange monitoring information for a connection identifier returned from a READ_LCONTROLS request from a CF with CFLEVEL >= 9. The IXLYLAA LAALMICNT field contains the count of list monitoring information entries returned and the count of Keyrange monitoring information entries returned from a CF with CFLEVEL >=9. The list monitoring entries are numbered from from 0 to LAALMICNT-1. The Keyrange monitoring entries, if returned, are also numbered from 0 to LAALMICNT-1, and follow the list monitoring information entries. LAALMICNT is one greater than the user limit returned in ConaCFacilityUserLimit at time of connect (IXLCONN). The first entry (number 0) of both the list monitoring information entries and the Keyrange monitoring information entries is not used. The rest of the entries correspond to the connections, e.g. entry number 1 corresponds to the connection with ConId=1.

IXLYLMI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LMI	List Monitoring information
0	(0)	BITSTRING	1	LMIFLAGS (0)	Bit level fields
		1...		LMILMACTIVE	"X'80" List monitoring active bit: 0 ==> The associated connection is not monitoring the list 1 ==> The associated connection is monitoring the list
		.1..		LMIDRIVEEXIT	"X'40" List transition exit bit: This bit is only meaningful if the LmiLMActive bit is set. 0 ==> The list transition exit for the associated connection will not be driven on empty to non-empty list state transitions. 1 ==> The list transition exit for the associated connection will be driven on empty to non- empty list state transitions.
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	LMIVECTORINDEX	List notification vector index: The index of the vector entry being used to monitor list state changes for the associated connection.
8	(8)	CHARACTER	1	LMIEND (0)	End List Monitoring Information
8	(8)	X'8'	0	LMI_LEN	**"LMI"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	KRMI	KeyRange Monitoring information (CFLEVEL >=9)
0	(0)	BITSTRING	1	KRMIFLAGS (0)	Bit level fields
		1...		KRMILMACTIVE	"X'80" KeyRange monitoring active bit: 0 ==> The associated connection is not monitoring the Key range 1 ==> The associated connection is monitoring the Key range
		.1..		KRMIDRIVEEXIT	"X'40" KeyRange transition exit bit. This bit is only meaningful if the KrmiLMActive bit is set. 0 ==> The Keyrange transition exit for the associated connection will not be driven on empty to non-empty state transitions. 1 ==> The Keyrange transition exit for the associated connection will be driven on empty to non-empty state transitions.
1	(1)	CHARACTER	3		Reserved

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	SIGNED	4	KRMIVECTORINDEX	KeyRange notification vector index: The index of the vector entry being used to monitor Keyrange state changes for the associated connection. End KeyRange Monitoring information "-KRM"
8	(8)	CHARACTER	1	KRMIEND (0)	
8	(8)	X'8'	0	KRMI_LEN	

IXLYLMI Cross Reference

Name	Hex Offset	Hex Value
KRMI	0	
KRMI_LEN	8	8
KRMIDRIVEEXIT	0	40
KRMIEND	8	
KRMIFLAGS	0	
KRMILMACTIVE	0	80
KRMIVECTORINDEX	4	
LMI	0	
LMI_LEN	8	8
LMIDRIVEEXIT	0	40
LMIEND	8	
LMIFLAGS	0	
LMILMACTIVE	0	80
LMIVECTORINDEX	4	

IXLYLRB Information

IXLYLRB Programming Interface information

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IXLYLRB

End of Programming Interface information

IXLYLRB Heading Information • IXLYLRB Map

IXLYLRB Heading Information

Common Name: Lock Request Block
Macro ID: IXLYLRB
DSECT Name: LRB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: LRB_RELEASE_VER0 -- X'00A0' bytes
Created by: IXLLOCK invoker
Pointed to by: REQBUFFER parameter on IXLLOCK
Serialization: See REQBUFFER parameter requirements on the IXLLOCK interface description.
Function: The LRB maps the Lock request blocks provided when the IXLLOCK macro is issued for a PROCESSMULT request.

IXLYLRB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	LRB_RELEASE_VER0	IXLLOCK Lock Request Block used for specifying a request to release (i.e. Unlock) a resource and either delete or keep the associated record data element	
0	(0)	SIGNED	1	LRB_XTYPE	LRBs are specified on a request type (Obtain, Alter, Release) basis. When specifying a request using this mapping the user must set this field to the value of LRB_XType_ReleaseVers0	
1	(1)	CHARACTER	7		Reserved. Should be initialized to binary zeroes	
8	(8)	CHARACTER	64	LRB_XRNAME	Resource Name	
72	(48)	SIGNED	4	LRB_XHASHVAL	Hash Value	
76	(4C)	CHARACTER	64	LRB_XUDATAVAL	User Data Value	
140	(8C)	SIGNED	1	LRB_XMODE	Mode in which the request should be completed if XES is unable to do so immediately. Valid modes for the type of requests that may be specified for this type of LRB are SYNCEXIT (specify by constant LRB_MODE_SYNCEXIT) or NORESPONSE (Specify by constant LRB_MODE_NORESPONSE). Note, SYNCSPEND and SYNCFAIL mode requests are not supported through the Lock Request Block (LRB) Interface.	
141	(8D)	SIGNED	1		Reserved, should be initialized to binary zeroes	
142	(8E)	BITSTRING	1	LRB_XRDATA (0)	Record data options that are to be performed as part of releasing the resource. The record data options that may be validly specified via this type of LRB include Delete the record data entry (Note, this is processed in the same manner as an IXLLOCK REQUEST(RELEASE) RDATA(DELETE) request. Please consult the IXLLOCK macro for more information on this option) or KEEP the record data entry (Note, this is processed in the same manner as an IXLLOCK REQUEST(RELEASE) RDATA(KEEP) UPDATERDATA(NO). The ability to update record data when keeping it is not supported by this version of the LRB. Please consult the IXLLOCK macro for more information on this option). If this field contains a value other than LRB_Rdata_Delete_Mask or LRB_Rdata_Keep_Mask then XES will treat the request as if LRB_RDATA_DELETE_MASK was specified	
		..1.		LRB_XRDATA_DELETE	"X'20" When this bit is ON, XES will process this release request similar to an IXLLOCK REQUEST(RELEASE) RDATA(DELETE) request. This bit may be explicitly set to ON or the LRB_RData_Mask constants may be used to set the entire LRB_RData field	
		.... .1..		LRB_XRDATA_KEEP	"X'04" When this bit is ON, XES will process this release request similar to an IXLLOCK REQUEST(RELEASE) RDATA(KEEP) UPDATERDATA(NO) request. This bit may be explicitly set to ON or the LRB_RData_Mask constants may be used to set the entire LRB_RData field	
143	(8F)	CHARACTER	5		Reserved, should be initialized to binary zeroes	
148	(94)	SIGNED	4	LRB_XRETCODE	Return code from this request. Note any return code that may be received in response to the IXLLOCK request options that are analogous to those specified on this Lock Request Block may also be received in this area. For instance, if the request needs to be completed asynchronously due to contention then this field will contain a warning value (rc=4, with the LRB_RSNCODE set to IxIRsnCodeAsync). Any return codes that deal with XES's processing of the request buffer as a whole (i.e. processing halted due to inaccessible REQBUFFER storage, etc.) are returned via the Retcode, rsncode parameters on the IXLLOCK interface	
152	(98)	SIGNED	4	LRB_XRSNCODE	Similar to the LRB_Retcode field, this area contains the reason code indicating the disposition of the request that was specified via this Lock request Block (LRB)	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
156	(9C)	CHARACTER	4		Reserved, should be initialized to binary zeroes
156	(9C)	X'A0'	0	LRB_RELEASE_VER0_LEN	""-LRB_RELEASE_VER0"

IXLYLRB Cross Reference

Name	Hex Offset	Hex Value
LRB_RELEASE_VER0	0	
LRB_RELEASE_VER0_LEN	9C	A0
LRB_XHASHVAL	48	
LRB_XMODE	8C	
LRB_XRDATA	8E	
LRB_XRDATA_DELETE	8E	20
LRB_XRDATA_KEEP	8E	4
LRB_XRETCODE	94	
LRB_XRNAME	8	
LRB_XRSNCODE	98	
LRB_XTYPE	0	
LRB_XUDATAVAL	4C	

IXLYMELI Information

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IXLYMELI

End of Programming Interface information

IXLYMELI Heading Information • IXLYMELI Map

IXLYMELI Heading Information

Common Name: Move EntryList Input
Macro ID: IXLYMELI
DSECT Name: MELI
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: MELI1 -- X'0020' bytes
 MELI2 -- X'0040' bytes
 MELI3 -- X'0060' bytes
Created by: Storage area created by IXLLSTM invoker.
Pointed to by: BUFFER or BUFLIST
Serialization: See BUFFER/BUFLIST parameter requirements on the IXLLSTM interface description.
Function: Maps the information needed to identify an individual list entry to be moved and/or updated via the IXLLSTM REQUEST=MOVE_ENTRYLIST service. The storage area(s) indicated by BUFFER or BUFLIST on an IXLLSTM REQUEST=MOVE_ENTRYLIST contain an input array of elements. Each element may be mapped by MELI1, MELI2, or MELI3, and contains the information needed to request moving of a list entry. The format (and size) of each element is determined by the structure characteristics, and the options specified on the IXLLSTM REQUEST=MOVE_ENTRYLIST. Each element in the array is mapped MELI1 when:
 1. The structure does not support keyed entries and VERSIONCOMPARE=NO or VERSIONCOMPARE=YES is specified.
 2. The structure does support keyed entries and MOVETOKEY=UNCHANGED, MOVETOSKEY=UNCHANGED with VERSIONCOMPARE=NO or VERSIONCOMPARE=YES specified.
 3. The structure does support keyed entries and MOVETOKEY=LISTKEY, MOVETOSKEY=UNCHANGED with VERSIONCOMPARE=NO or VERSIONCOMPARE=YES specified.
 Each element in the array is mapped MELI2 when:
 1. VERSIONCOMPARE=BYENTRY or MOVETOKEY=TARGETKEY is specified with MOVETOSKEY=UNCHANGED.
 Each element in the array is mapped MELI3 when:
 1. MOVETOSKEY=TARGETKEY is specified.

IXLYMELI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MELI1	Move EntryList Input
0	(0)	CHARACTER	16	MELI1_LIST_ENTRYNAME (0)	List Entry Name - designates the list entry to be moved when ListType=NameList is specified
0	(0)	CHARACTER	12	MELI1_LIST_ENTRYID	List Entry Id - designates the list entry to be moved when ListType=IdList is specified
16	(10)	SIGNED	4	MELI1_TARGET_LISTNUMBER	Target List Number - designates the list number the designated list entry will be moved to
20	(14)	BITSTRING 1... ..	1	MELI1_FLAGS (0) MELI1_TARGET_DIRECTION	Flags0 "X'80" Target direction - partially designates the target position on the list specified by Meli1_Target_ListNumber 0 - HeadToTail 1 - TailToHead
		.1..		MELI1_SKEY_TARGET_DIRECTION	"X'40" Secondary target direction - partially designates the target position on the sublist specified by Meli1_Target_ListNumber and the secondary key of the list entry 0 - HeadToTail 1 - TailToHead
		..1.		MELI1_KEY_POSITION	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		MELI1_SKEY_POSITION	"X'20" Key Position - indicates whether the list entry should be moved or should keep its current position on the sublist based on entry key ordering. 0 - Update position, specifies that the list entry should be moved from its current position on the sublist as specified by Meli1_Target_Direction. 1 - Keep position, specifies that the list entry should not be moved but keep its current position based on entry key ordering on the sublist if and only if the list number specified by Meli1_Target_ListNumber matches the current list number that contains the list entry, and the list entry key is not changed by the move operation when MOVETOKEY=UNCHANGED
21	(15)	BITSTRING .1..	1	MELI1_FLAGS1 (0) MELI1_TARGET_LISTLIMIT	Flags1 "X'10" SKey Position - indicates whether the list entry should be moved or should keep its current position on the secondary sublist. 0 - Update position, specifies that the list entry should be moved from its current position to a position on the subsidiary sublist as specified by Meli1_SKey_Target_Direction. 1 - Keep position, specifies that the list entry should not be moved but keep its current position based on secondary key ordering on the sublist if and only if the list number specified by Meli1_Target_ListNumber matches the current list number that contains the list entry.
22	(16)	CHARACTER	10		"X'40" Target ListLimit - indicates whether the listlimit set for the target list should be enforced or ignored. 0 - Enforce target list limits, specifies that the move request will be failed if the list limit (list-element count limit or list- entry count limit) are exceeded as a result of moving this entry 1 - Ignore target list limit, specifies that processing of this entry will proceed even if the current listlimit will be exceeded as a result of moving this entry
32	(20)	CHARACTER	1	MELI1_END (0)	Reserved End of MELI type 1
32	(20)	X'20'	0	MELI1_LEN	"*-MELI1"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	MELI2	Move EntryList Input
0	(0)	CHARACTER	16	MELI2_LIST_ENTRYNAME (0)	List Entry Name - designates the list entry to be moved when ListType=NameList is specified
0	(0)	CHARACTER	12	MELI2_LIST_ENTRYID	List Entry Id - designates the list entry to be moved when ListType=IdList is specified
16	(10)	SIGNED	4	MELI2_TARGET_LISTNUMBER	Target List Number - designates the list number the designated list entry will be moved to
20	(14)	BITSTRING 1...	1	MELI2_FLAGS (0) MELI2_TARGET_DIRECTION	Flags
		.1..		MELI2_SKEY_TARGET_DIRECTION	"X'80" Target direction - partially designates the target position on the list specified by Meli2_Target_ListNumber 0 - HeadToTail 1 - TailToHead
		..1.		MELI2_KEY_POSITION	"X'40" Secondary target direction - partially designates the target position on the sublist specified by Meli2_Target_ListNumber and the secondary key of the list entry 0 - HeadToTail 1 - TailToHead
		...1		MELI2_SKEY_POSITION	"X'20" Key Position - indicates whether the list entry should be moved or should keep its current position on the sublist based on entry key ordering. 0 - Update position, specifies that the list entry should be moved from its current position on the sublist as specified by Meli2_Target_Key and Meli2_Target_Direction. 1 - Keep position, specifies that the list entry should not be moved but keep its current position based on entry key ordering on the sublist if and only if the list number specified by Meli2_Target_ListNumber matches the current list number that contains the list entry, and the list entry key is not changed by the move operation when MOVETOKEY=UNCHANGED
		.... 11..		MELI2_VERSCOMPTYPE	"X'10" SKey Position - indicates whether the list entry should be moved or should keep its current position on the secondary sublist. 0 - Update position, specifies that the list entry should be moved from its current position to a position on the subsidiary sublist as specified by Meli2_SKey_Target_Direction. 1 - Keep position, specifies that the list entry should not be moved but keep its current position based on secondary key ordering on the sublist if and only if the list number specified by Meli2_Target_ListNumber matches the current list number that contains the list entry.

IXLYMELI Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..11		MELI2_VERSUPDATE	"X'0C" Version comparison type Designates how the list entry version number is to be compared when VERSIONCOMPARE=BYENTRY is specified on IXLLSTM. 00 - No comparison 01 - The version numbers in the list entry must be equal to the version number in Meli2_VersComp. 10 - The version number in the list entry must be greater than or equal to the version number specified in Meli2_VersComp. 11 - The version number in the list entry must be less than or equal to the version number specified in Meli2_VersComp.
21	(15)	BITSTRING	1	MELI2_FLAGS1 (0)	"X'03" Version update - specifies if the entry version number of the moved list entry will be updated. 00 - No update 01 - Decrement version 10 - Increment version 11 - Update version number with Meli2_NewVersion Flags1
		.1..		MELI2_TARGET_LISTLIMIT	"X'40" Target ListLimit - indicates whether the listlimit set for the target list should be enforced or ignored. 0 - Enforce target list limits, specifies that the move request will be failed if the list limit (list-element count limit or list- entry count limit) are exceeded as a result of moving this entry 1 - Ignore target list limit, specifies that processing of this entry will proceed even if the current listlimit will be exceeded as a result of moving this entry Reserved
22	(16)	CHARACTER	10		
32	(20)	CHARACTER	8	MELI2_VERSCOMP	Comparative version number specifies the value to be compared to the version number of the designated entry when Meli2_VersCompType is not NONE.
40	(28)	CHARACTER	8	MELI2_NEWVERSION	New version number to be assigned to the list entry when it has been moved to the target list when Meli2_VersUpdate is SET
48	(30)	CHARACTER	16	MELI2_TARGET_KEY	Target List Entry Key - specifies the entry key to be assigned to the list entry when it is moved to the target list. Only valid when MOVETOKEY=TARGETKEY was specified on IXLLSTM.
64	(40)	CHARACTER	1	MELI2_END (0)	End of MELI type 2
64	(40)	X'40'	0	MELI2_LEN	**-MELI2"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	MELI3	Move EntryList Input
0	(0)	CHARACTER	12	MELI3_LIST_ENTRYID	List Entry Id - designates the list entry to be moved when ListType=IdList is specified Reserved
12	(C)	CHARACTER	4		
16	(10)	SIGNED	4	MELI3_TARGET_LISTNUMBER	Target List Number - designates the list number the designated list entry will be moved to
20	(14)	BITSTRING	1	MELI3_FLAGS (0)	Flags
		1...		MELI3_TARGET_DIRECTION	"X'80" Target direction - partially designates the target position on the list specified by Meli3_Target_ListNumber 0 - HeadToTail 1 - TailToHead
		.1..		MELI3_SKEY_TARGET_DIRECTION	"X'40" Secondary key target direction - partially designates the target position on the sublist specified by Meli3_Target_ListNumber and the secondary key of the list entry 0 - HeadToTail 1 - TailToHead
		..1.		MELI3_KEY_POSITION	"X'20" Key Position - indicates whether the list entry should be moved or should keep its current position on the sublist based on entry key ordering. 0 - Update position, specifies that the list entry should be moved from its current position on the sublist as specified by Meli3_Target_Key and Meli3_Target_Direction. 1 - Keep position, specifies that the list entry should not be moved but keep its current position based on entry key ordering on the sublist if and only if the list number specified by Meli3_Target_ListNumber matches the current list number that contains the list entry, and the list entry key is not changed by the move operation when MOVETOKEY=UNCHANGED
		.... 11..		MELI3_VERSCOMPTYPE	"X'0C" Version comparison type Designates how the list entry version number is to be compared when VERSIONCOMPARE=BYENTRY is specified on IXLLSTM. 00 - No comparison 01 - The version numbers in the list entry must be equal to the version number in Meli3_VersComp. 10 - The version number in the list entry must be greater than or equal to the version number specified in Meli3_VersComp. 11 - The version number in the list entry must be less than or equal to the version number specified in Meli3_VersComp.
		.... ..11		MELI3_VERSUPDATE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
21	(15)	BITSTRING .1..	1	MELI3_FLAGS1 (0) MELI3_TARGET_LISTLIMIT	"X'03" Version update - specifies if the entry version number of the moved list entry will be updated. 00 - No update 01 - Decrement version 10 - Increment version 11 - Update version number with Meli3_NewVersion Flags1 "X'40" Target ListLimit - indicates whether the listlimit set for the target list should be enforced or ignored. 0 - Enforce target list limits, specifies that the move request will be failed if the list limit (list-element count limit or list- entry count limit) are exceeded as a result of moving this entry 1 - Ignore target list limit, specifies that processing of this entry will proceed even if the current listlimit will be exceeded as a result of moving this entry Reserved
22	(16)	CHARACTER	10	MELI3_VERSCOMP	Comparative version number specifies the value to be compared to the version number of the designated entry when Meli3_VersCompType is not NONE.
32	(20)	CHARACTER	8		
40	(28)	CHARACTER	8	MELI3_NEWVERSION	New version number to be assigned to the list entry when it has been moved to the target list when Meli3_VersUpdate is SET
48	(30)	CHARACTER	16	MELI3_TARGET_KEY	Target List Entry Key - specifies the entry key to be assigned to the list entry when it is moved to the target list. Only valid when MOVETOKEY=TARGETKEY was specified on IXLLSTM.
64	(40)	CHARACTER	32	MELI3_TARGET_SKEY	Secondary Target List Entry Key - specifies the secondary list key to be assigned to the list entry when it is moved to the target list. Only valid when MOVETOSKEY=TARGETKEY was specified on IXLLSTM.
96	(60)	CHARACTER 1... .... .... .... .1.. .... .... .... ..1. .... .... .... ...1 ........ ........ .1.. 11.. .... .... .... ...1.... ..1. .... ..11.... .....1..	1	MELI3_END (0) MELI_DIRECTION_HEADTOTAIL "B'00000000" MELI_DIRECTION_TAILTOHEAD "B'10000000" MELI_SKEYDIRECTION_HEADTOTAIL "B'00000000" MELI_SKEYDIRECTION_TAILTOHEAD "B'01000000" MELI_KEYPOSITION_UPDATE "B'00000000" MELI_KEYPOSITION_KEEP "B'00100000" MELI_SKEYPOSITION_UPDATE "B'00000000" MELI_SKEYPOSITION_KEEP "B'00010000" MELI_VERSCOMPTYPE_NONE "B'00000000" MELI_VERSCOMPTYPE_EQUAL "B'00000100" MELI_VERSCOMPTYPE_LESSOREQUAL "B'00001100" MELI_VERSUPDATE_NONE "B'00000000" MELI_VERSUPDATE_DECREMENT "B'00000001" MELI_VERSUPDATE_INCREMENT "B'00000010" MELI_VERSUPDATE_SET "B'00000011" MELI_LISTLIMIT_ENFORCE "B'00000000" MELI_LISTLIMIT_IGNORE "B'01000000"	End of MELI type 3
96	(60)	X'60'	0	MELI3_LEN	"*-MELI3"

IXLYMELI Cross Reference

IXLYMELI Cross Reference

Name	Hex Offset	Hex Value
MELI_DIRECTION_HEADTOTAL	60	0
MELI_DIRECTION_TAILTOHEAD	60	80
MELI_KEYPOSITION_KEEP	60	20
MELI_KEYPOSITION_UPDATE	60	0
MELI_LISTLIMIT_ENFORCE	60	0
MELI_LISTLIMIT_IGNORE	60	40
MELI_SKEYDIRECTION_HEADTOTAL	60	0
MELI_SKEYDIRECTION_TAILTOHEAD	60	40
MELI_SKEYPOSITION_KEEP	60	10
MELI_SKEYPOSITION_UPDATE	60	0
MELI_VERSCOMPTYPE_EQUAL	60	4
MELI_VERSCOMPTYPE_LESSOREQUAL	60	C
MELI_VERSCOMPTYPE_NONE	60	0
MELI_VERSUPDATE_DECREMENT	60	1
MELI_VERSUPDATE_INCREMENT	60	2
MELI_VERSUPDATE_NONE	60	0
MELI_VERSUPDATE_SET	60	3
MELI1	0	
MELI1_END	20	
MELI1_FLAGS	14	
MELI1_FLAGS1	15	
MELI1_KEY_POSITION	14	20
MELI1_LEN	20	20
MELI1_LIST_ENTRYID	0	
MELI1_LIST_ENTRYNAME	0	
MELI1_SKEY_POSITION	14	10
MELI1_SKEY_TARGET_DIRECTION	14	40
MELI1_TARGET_DIRECTION	14	80
MELI1_TARGET_LISTLIMIT	15	40
MELI1_TARGET_LISTNUMBER	10	
MELI2	0	
MELI2_END	40	
MELI2_FLAGS	14	
MELI2_FLAGS1	15	
MELI2_KEY_POSITION	14	20
MELI2_LEN	40	40
MELI2_LIST_ENTRYID	0	
MELI2_LIST_ENTRYNAME	0	
MELI2_NEWVERSION	28	
MELI2_SKEY_POSITION	14	10
MELI2_SKEY_TARGET_DIRECTION	14	40

Name	Hex Offset	Hex Value
MELI2_TARGET_DIRECTION	14	80
MELI2_TARGET_KEY	30	
MELI2_TARGET_LISTLIMIT	15	40
MELI2_TARGET_LISTNUMBER	10	
MELI2_VERSCOMP	20	
MELI2_VERSCOMPTYPE	14	C
MELI2_VERSUPDATE	14	3
MELI3	0	
MELI3_END	60	
MELI3_FLAGS	14	
MELI3_FLAGS1	15	
MELI3_KEY_POSITION	14	20
MELI3_LEN	60	60
MELI3_LIST_ENTRYID	0	
MELI3_NEWVERSION	28	
MELI3_SKEY_TARGET_DIRECTION	14	40
MELI3_TARGET_DIRECTION	14	80
MELI3_TARGET_KEY	30	
MELI3_TARGET_LISTLIMIT	15	40
MELI3_TARGET_LISTNUMBER	10	
MELI3_TARGET_SKEY	40	
MELI3_VERSCOMP	20	
MELI3_VERSCOMPTYPE	14	C
MELI3_VERSUPDATE	14	3

IXLYMRTD Information

IXLYMRTD Programming Interface information

Programming Interface information

IXLYMRTD

End of Programming Interface information

IXLYMRTD Heading Information • IXLYMRTD Cross Reference

IXLYMRTD Heading Information

Common Name: Mapping of Multiple Record Data Entries
Macro ID: IXLYMRTD
DSECT Name: MRTD MRTD1
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: MRTD -- X'0050' bytes
 MRTD1 -- X'0070' bytes
Created by: Issuer of IXLRT macro
Pointed to by: DATAREA parameter on IXLRT requests
Serialization: None required
Function: Maps the data returned by IXLRT macro invocation

IXLYMRTD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MRTD	Record Data Entry Information, level 0
0	(0)	CHARACTER	80	MRTDENTRY (0)	
0	(0)	CHARACTER	12	MRTDENTRYID	Entry identifier of the specified Record Data Element
12	(C)	CHARACTER	4	(0)	
12	(C)	SIGNED	1	MRTDOWNNERCONID	Conid of the connector for which the specified Record Data Elementis associated
13	(D)	CHARACTER	3		Reserved
16	(10)	CHARACTER	64	MRTDDATA	Record Element contents
16	(10)	X'50'	0	MRTD_LEN	"*-MRTD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MRTD1	Record Data Entry Information, level 1
0	(0)	CHARACTER	112	MRTD1ENTRY (0)	MRTD entry
0	(0)	CHARACTER	80		Mapped by MRTD mapping, level 0
80	(50)	CHARACTER	8	MRTD1RDATATYPE	Record Data type
88	(58)	CHARACTER	24		Reserved
88	(58)	X'70'	0	MRTD1_LEN	"*-MRTD1"

IXLYMRTD Cross Reference

Name	Hex Offset	Hex Value
MRTD	0	
MRTD_LEN	10	50
MRTDDATA	10	
MRTDENTRY	0	
MRTDENTRYID	0	
MRTDOWNNERCONID		
	C	
MRTD1	0	
MRTD1_LEN	58	70
MRTD1ENTRY	0	
MRTD1RDATATYPE		
	50	

IXLYMSRI Information

IXLYMSRI Programming Interface information

Programming Interface information

IXLYMSRI

End of Programming Interface information

IXLYMSRI Heading Information • IXLYMSRI Map

IXLYMSRI Heading Information

Common Name: Monitor Sublist Registration Input
Macro ID: IXLYMSRI
DSECT Name: MSRI
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: 64 bytes
 MSRI -- X'0040' bytes
Created by: Storage area created by IXLLIST/IXLLSTC invoker.
Pointed to by: BUFFER or BUFLIST
Serialization: See BUFFER/BUFLIST parameter requirements on the IXLLIST/IXLLSTC interface description.
Function: Maps the information needed to identify an individual sublist when invoking the IXLLIST/IXLLSTC service to monitor sublists.
 The storage area(s) indicated by BUFFER or BUFLIST on an IXLLIST/IXLLSTC REQUEST=MONITOR_SUBLISTS contain an input array of entries. Each entry is mapped by MSRI and contains the information needed to request monitoring for one sublist.

IXLYMSRI Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	MSRI	Sublist Monitoring input	
0	(0)	CHARACTER	1		Reserved, specify as zero	
1	(1)	SIGNED	1	MSRICONID	Connection identifier	
2	(2)	CHARACTER	5		Reserved, specify as zero	
7	(7)	BITSTRING	1	MSRIEMC_FLAGS (0)	Event Monitor Control Flags	
		.... ..1..		MSRIEMC_NOTIFYONEVERY	"X'04" 1 ==> indicates that an EMC should be queued to the event queue for every list entry added to the sublist (CFLEVEL >= 9) 0 ==> indicates that an EMC should be queued to the event queue for only the first list entry added to the sublist	
		.... ..1.		MSRIEMC_KEYTYPE	"X'02" 1 ==> indicates sublist monitoring is requested for a sublist with the secondary key specified by MsriSecondaryKey (CFLEVEL >= 9) 0 ==> indicates sublist monitoring is requested for a sublist with a list entry key specified by MsriListEntryKey	
8	(8)	SIGNED	4	MSRILISTNUM	The list number of the sublist for which monitoring is desired	
12	(C)	CHARACTER	4		Reserved, specify as zero	
16	(10)	CHARACTER	32	MSRILISTENTRYKEYS (0)	List Entry or Secondary key indicated by MsriEMC_KeyType	
16	(10)	CHARACTER	32	MSRILISTENTRYKEYBUF (0)	KeyType = B'0' Reserved, specify as zero	
16	(10)	CHARACTER	16	MSRILISTENTRYKEY	KeyType = B'0', List Entry Key of sublist for which monitoring is desired.	
32	(20)	CHARACTER	16	MSRISECONDARYKEY	KeyType = B'1', Secondary List Entry Key of sublist for which monitoring is desired.(CFLEVEL >= 9)	
16	(10)	CHARACTER	32	MSRISECONDARYKEY	KeyType = B'1', Secondary List Entry Key of sublist for which monitoring is desired.(CFLEVEL >= 9)	
48	(30)	CHARACTER	16	MSRIUNC	User Notification Controls. 16 bytes of user defined data associated with the monitoring of this sublist.	
64	(40)	CHARACTER	1	MSRIEND (0)	End Sublist Monitoring Info	
64	(40)	X'40'	0	MSRI_LEN	"-MSRI"	

IXLYMSRI Cross Reference

Name	Hex Offset	Hex Value
MSRI	0	
MSRI_LEN	40	40
MSRICONID	1	
MSRIEMC_FLAGS	7	
MSRIEMC_KEYTYPE	7	2
MSRIEMC_NOTIFYONEVERY	7	4
MSRIEND	40	
MSRILISTENTRYKEY	20	
MSRILISTENTRYKEYBUF	10	
MSRILISTENTRYKEYS	10	
MSRILISTNUM	8	
MSRISECONDARYKEY	10	
MSRIUNC	30	

IXLYNDE Information

IXLYNDE Programming Interface information

Programming Interface information

IXLYNDE

End of Programming Interface information

IXLYNDE Heading Information • IXLYNDE Cross Reference

IXLYNDE Heading Information

Common Name: Node Descriptor
Macro ID: IXLYNDE
DSECT Name: NDE
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: user-defined
 Key: user-defined
 Residency: user-defined
Size: 32
 NDE -- 'X'0020' bytes
Created by: User
Pointed to by: None
Serialization: None
Function: Maps a node descriptor as pertains to coupling facilities

IXLYNDE Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	NDE	Node Descriptor	
0	(0)	BITSTRING	4	NDEWORD0 (0)	Header Word 0	
0	(0)	BITSTRING	1	NDEBYTE0	Word 0 Byte 0 - RESERVED	
1	(1)	BITSTRING	1	NDEBYTE1 (0)	Word 0 Byte 1	
		1111		NDECONFIGCODE		"X'F0" Configuration code. Bits 0-3. B'0000' indicates side 0, B'0001' indicates side 1. If not partitioned, the value will be B'0000'
		.... .1..		NDEPPMODE		"X'04" PP/SI mode indicator. 0 = processor is in single-image (SI) mode, 1 = processor is in physically partitioned (PP) mode
2	(2)	BITSTRING	1	NDEBYTE2	Word 0 Byte 2 - RESERVED	
3	(3)	BITSTRING	1	NDEBYTE3 (0)	Word 0 Byte 3	
3	(3)	SIGNED	1	NDEPARTITION	LPAR Partition Number	
4	(4)	CHARACTER	26	NDEEBCDIC (0)	EBCDIC portion of NDE	
4	(4)	CHARACTER	6	NDETYPE	EBCDIC node type	
10	(A)	CHARACTER	3	NDEMODEL	EBCDIC model number - this number is not guaranteed to be the current model number.	
13	(D)	CHARACTER	3	NDEMF0	EBCDIC node manufacturer	
16	(10)	CHARACTER	2	NDEPLANT	EBCDIC manufacturer plant ID	
18	(12)	CHARACTER	12	NDESEQUENCE	EBCDIC sequence number	
30	(1E)	CHARACTER	2	(0)		
30	(1E)	CHARACTER	1		RESERVED	
31	(1F)	SIGNED	1	NDECPCID	Central Processor Complex (CPC) identifier	
31	(1F)	X'20'	0	NDE_LEN	"*-NDE"	

IXLYNDE Cross Reference

Name	Hex Offset	Hex Value
NDE	0	
NDE_LEN	1F	20
NDEBYTE0	0	
NDEBYTE1	1	
NDEBYTE2	2	
NDEBYTE3	3	
NDECONFIGCODE	1	F0
NDECPCID	1F	
NDEEBCDIC	4	
NDEMF0	D	
NDEMODEL	A	
NDEPARTITION	3	
NDEPLANT	10	
NDEPPMODE	1	4
NDESEQUENCE	12	
NDETYPE	4	
NDEWORD0	0	

IXLYNEPL Information

IXLYNEPL Programming Interface information

Programming Interface information

IXLYNEPL

End of Programming Interface information

IXLYNEPL Heading Information • IXLYNEPL Map

IXLYNEPL Heading Information

Common Name: Notify Exit Parameter List
Macro ID: IXLYNEPL
DSECT Name: NEPL NEPLListSection NEPLLockSection NEPLENT
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 205
 Key: Key 0
 Residency: Above 16 MB in virtual storage.
Size: Lock: 360 bytes + 190*NEPLENT# + length of resource name
 List: 108 bytes
Created by: IXLRQNEI for locking requests
 IXLRQLNX for serialized list requests
Pointed to by: First word in parameter list provided to notify exit.
Serialization: None required
Function: Maps parameter list to notify exit for XES connectors

IXLYNEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NEPL	Notify exit parameter list
0	(0)	CHARACTER	16	NEPLCONTOKEN	Connect token
16	(10)	CHARACTER	8	NEPLCONDATA	Connect-time data
24	(18)	CHARACTER	16	NEPLCONNAME	Connect name as specified by connector
40	(28)	BITSTRING	1	NEPLTYPE (0)	Request type that resulted in notify exit being called
		1...		NEPLLOCK	"X'80" IXLLOCK request resulted in contention and contention exit specified notify for resource owner
41	(29)	CHARACTER	1	NEPLLIST	"X'40" IXLLIST request resulted in contention for a lock structure entry
		.1..		NEPLSTRUCTURESTATUS (0)	Reserved
		1...		NEPLREBUILD	"X'80" Resource for which we are being Notified is for the new structure during the rebuild process
42	(2A)	CHARACTER	2		Reserved
44	(2C)	CHARACTER	1	NEPLEND (0)	Data related to the request is mapped below by NepLockSection for lock structure requests and NepListSection for list structure request
44	(2C)	X'2C'	0	NEPL_LEN	**"-NEPL"
					Comment

Nepl List Section					

					End of Comment
44	(2C)	BITSTRING	1	NEPLLISTSECTION (0)	
44	(2C)	SIGNED	4	NEPLLOCKINDEX	LOCKINDEX for this request
48	(30)	CHARACTER	4		Reserved
52	(34)	CHARACTER	24	NEPLOWNERINFO (0)	
52	(34)	CHARACTER	8	NEPLOWNERLOCKDATA	Lock owner's lock time data
60	(3C)	BITSTRING	4	NEPLOWNERFLAGS (0)	Lock owner flags
		1...		NEPLOWNERPERSISTENTLOCK	"X'80" 1 -> lock is persistent and therefore the lock data is Zero.
64	(40)	CHARACTER	12		Reserved
76	(4C)	CHARACTER	32	NEPLPENDINGINFO (0)	Information about pending request
76	(4C)	CHARACTER	1		Reserved
77	(4D)	SIGNED	1	NEPLPENDINGCONID	Connection Id
78	(4E)	CHARACTER	2	NEPLPENDINGFLAGS (0)	
		1...		NEPLPENDINGREQUESTTYPE	"X'80" 1 -> LockOper=Set, 0 -> LockOper=NotHeld
80	(50)	CHARACTER	16	NEPLPENDINGCONNAME	Connection Name
96	(60)	CHARACTER	12		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
108	(6C)	CHARACTER	1	NEPLLISTSECTIONEND (0)	
108	(6C)	X'40'	0	NEPLLISTSECTION_LEN	**-NEPLLISTSECTION"
Comment					

NepI Lock Section					

End of Comment					
44	(2C)	BITSTRING	1	NEPLOCKSECTION (0)	
44	(2C)	CHARACTER	8	NEPLOCKDATA	Lock time data
52	(34)	CHARACTER	32	NEPLTOKEN	Token used by XES
84	(54)	ADDRESS	4	NEPLRNAME@	Address of resource name
88	(58)	SIGNED	4	NEPLRNAMELEN	Length of resource name
92	(5C)	SIGNED	4	NEPLHASHVAL	Hash value
96	(60)	CHARACTER	32	NEPLWORK	Work area, passed from the contention exit via the CEPELWORK field. This field will be presented back to the contention exit with the results from the notify exits. The results are presented even if the notify exit released the resource via the IXLSYNCH service unless the contention exit specified stop management. See the IXLYCEPL mapping for more details.
128	(80)	CHARACTER	68	NEPLHELD (0)	
128	(80)	SIGNED	1	NEPLSTATE	Ownership state, Constants in IXLYCON
129	(81)	CHARACTER	64	NEPLUDATA	Userdata
193	(C1)	CHARACTER	3		Reserved
196	(C4)	ADDRESS	4	NEPLENT@	Address of requests if NepLENT# is not 0
200	(C8)	SIGNED	4	NEPLENT#	Number of requests
204	(CC)	CHARACTER	147	NEPLOUT (0)	Input/Output Area for communicating with IXLSYNCH
204	(CC)	CHARACTER	68	NEPLOSU (0)	State and userdata for IXLSYNCH to use for ownership updates. Initialized to NepIHeld.
204	(CC)	SIGNED	1	NEPLOSTATE	Requested ownership state Constants in IXLYCON
205	(CD)	CHARACTER	64	NEPLOUDATA	Requested userdata
269	(10D)	CHARACTER	3		reserved
272	(110)	BITSTRING	1	NEPLORTACTION (0)	
					Input area to indicate what to do with Record data
		1...		NEPLORTWRITE	"X'80" Input area to indicate write the Record data in NepIORIData
		.1..		NEPLORTDELETE	
					"X'40" Input area to indicate delete the currently associated Record data entry
		..11 1111		NEPLORTACTIONRSV	
					"X'3F" Reserved, set to 0
273	(111)	CHARACTER	12	NEPLOENTRYID	Output area specifying identifier of record data entry which may have been created via IXLSYNCH
285	(11D)	CHARACTER	64	NEPLORTDATA	Input area to specify Record data to be written
349	(15D)	CHARACTER	2	NEPLORSV66	Reserved, set to 0
349	(15D)	X'133'	0	NEPLOCKSECTION_LEN	**-NEPLOCKSECTION"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NEPLENT	Request entry for IXLLOCK related requests
0	(0)	ADDRESS	4	NEPLENEXT@	Address of next NepIENT
4	(4)	CHARACTER	4	NEPLECONVERSION	
					Requestor's connector version
8	(8)	CHARACTER	5		Reserved
13	(D)	SIGNED	1	NEPLECONID	Requestor's connector ID
14	(E)	CHARACTER	6		Reserved
20	(14)	CHARACTER	16	NEPLECONNAME	Connect name as specified by connector
36	(24)	CHARACTER	16		Reserved
52	(34)	BITSTRING	2	NEPLEFLAGS	

Comment

Note -- if HSTATE is 0 then the resource is not owned. If HSTATE not = RSTATE or HUDATA not = RUDATA then an alter of some sort is pending

End of Comment

IXLYNEPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
54	(36)	CHARACTER	136	NEPLEHELDREQ (0)	Held/Requested state
54	(36)	CHARACTER	68	NEPLEHELD (0)	Held state
54	(36)	SIGNED	1	NEPLEHSTATE	Ownership state Constants in IXLYCON
55	(37)	CHARACTER	64	NEPLEHUDATA	Userdata
119	(77)	CHARACTER	3		Reserved
122	(7A)	CHARACTER	68	NEPLERREQ (0)	Requested state
122	(7A)	SIGNED	1	NEPLERSTATE	Requested ownership state, Constants in IXLYCON
123	(7B)	CHARACTER	64	NEPLERUDATA	Requested userdata
187	(BB)	CHARACTER	3		Reserved
187	(BB)	X'6C'	0	NEPLLISTLEN	"108"
187	(BB)	X'168'	0	NEPLLOCKLEN	"360"
187	(BB)	X'BE'	0	NEPLENT_LEN	"*-NEPLENT"

IXLYNEPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NEPL	0		NEPLOUT	CC	
NEPL_LEN	2C	2C	NEPLOWNERFLAGS	3C	
NEPLCONDATA	10		NEPLOWNERINFO	34	
NEPLCONNAME	18		NEPLOWNERLOCKDATA	34	
NEPLCONTOKEN	0		NEPLOWNERPERSISTENTLOCK	3C	80
NEPLECONID	D		NEPLPENDINGCONID	4D	
NEPLECONNAME	14		NEPLPENDINGCONNAME	50	
NEPLECONVERSION	4		NEPLPENDINGFLAGS	4E	
NEPLEFLAGS	34		NEPLPENDINGINFO	4C	
NEPLEHELD	36		NEPLPENDINGREQUESTTYPE	4E	80
NEPLEHELDREQ	36		NEPLREBUILD	29	80
NEPLEHSTATE	36		NEPLRNAME@	54	
NEPLEHUDATA	37		NEPLRNAMELEN	58	
NEPLEND	2C		NEPLSTATE	80	
NEPLENEXT@	0		NEPLSTRUCTURESTATUS	29	
NEPLENT	0		NEPLTOKEN	34	
NEPLENT_LEN	BB	BE	NEPLTYPE	28	
NEPLENT#	C8		NEPLUDATA	81	
NEPLENT@	C4		NEPLWORK	60	
NEPLERREQ	7A				
NEPLERSTATE	7A				
NEPLERUDATA	7B				
NEPLHASHVAL	5C				
NEPLHELD	80				
NEPLLIST	28	40			
NEPLLISTLEN	BB	6C			
NEPLLISTSECTION	2C				
NEPLLISTSECTION_LEN	6C	40			
NEPLLISTSECTIONEND	6C				
NEPLLOCK	28	80			
NEPLLOCKDATA	2C				
NEPLLOCKINDEX	2C				
NEPLLOCKLEN	BB	168			
NEPLLOCKSECTION	2C				
NEPLLOCKSECTION_LEN	15D	133			
NEPLOENTRYID	111				
NEPLORSV66	15D				
NEPLORTACTION	110				
NEPLORTACTIONRSV	110	3F			
NEPLORTDATA	11D				
NEPLORTDELETE	110	40			
NEPLORTWRITE	110	80			
NEPLOSTATE	CC				
NEPLOSU	CC				
NEPLOUDA	CD				

IXLYNSB Information

IXLYNSB Programming Interface information

Programming Interface information

IXLYNSB

End of Programming Interface information

IXLYNSB Heading Information • IXLYNSB Map

IXLYNSB Heading Information

Common Name: Register Name List Name-State Block
Macro ID: IXLYNSB
DSECT Name: NSB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User supplied
 Key: User supplied
 Residency: User supplied
Size: NSB -- X'0100' bytes
Created by: - Storage area created by IXLCACHE invoker
 - NSB data created by IXLCACHE service routine
Pointed to by: NSBAREA parameter on IXLCACHE
Serialization: See NSBAREA parameter requirements on the IXLCACHE interface description.
Function: The NSB maps the information returned when the IXLCACHE macro is issued for a REG_NAMELIST request.

IXLYNSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NSB	Register Name List Name-State Block
0	(0)	CHARACTER	64	NSBARRAYCHAR (0)	Entire NSB array
0	(0)	CHARACTER	2	NSBARRAY (0)	Array of NSB entries
0	(0)	BITSTRING	1	NSBFLAGS (0)	Name-State Block Flags. Valid when interest was successfully registered for the associated item.
		1... ..		NSBCHANGED	"X'80" Cached subsystem data changed status. 1 ==> changed, 0 ==> unchanged
		.1.. ..		NSBDATACACHED	"X'40" Data-cached indicator. Indicates whether subsystem data is cached for the entry (vs. directory entry only in cache). 1 ==> data cached, 0 ==> data not cached
		..11 ..		NSBPARTY	"X'30" Parity as recorded in the directory entry.
		.... 11..		NSBCOLOCKSTATE	"X'0C" Castout lock state. Constants are declared in IXLYCAA. Possible values are: '00' => CaaCols_Reset Reset state is entered when the name is assigned to the directory entry or when the castout lock is released. '01' => CaaCols_ReadForCastout Read for castout state is entered when the castout lock is obtained by a CASTOUT_DATA request. '10' => CaaCols_WriteWithCastout Write with castout state is entered when the castout lock is obtained by a WRITE_DATA request specifying GETCOLOCK=YES.
		.... ..1.		NSBINLVCVI	"X'02" Invalidated local cache vector validity indicator. Indicates that a local cache vector index was invalidated because interest for the associated item was re-registered using a different vector index. 1 => the associated NsbInLcvNum array entry contains the invalidated local cache vector index number 0 => the associated NsbInLcvNum array entry is not valid
		.... ..1		NSBREGPERFORMED	"X'01" Registration-performed indicator. The registration operation was successful for the entry name and local cache vector index in the corresponding registration block.
1	(1)	SIGNED	1	NSBELEMNUM	Cache entry size expressed as the number of elements in the entry. NsbElemnum is returned only when the structure is allocated in a CFLEVEL=4 or higher coupling facility.
64	(40)	CHARACTER	128	NSBINLVCVINUMARRAYCHAR (0)	Entire NSB invalidated vector index number array
64	(40)	CHARACTER	4	NSBINLVCVINUMARRAY (0)	Invalidated local cache vector index number array
64	(40)	SIGNED	4	NSBINLVCVINUM	Invalidated local cache vector index number. Value of the local cache vector index that was invalidated when interest for the associated item was re-registered using a different vector index. Valid only when the NsbInLcvi flag in the corresponding Nsb array entry is set.
192	(C0)	CHARACTER	64		Reserved
256	(100)	CHARACTER	1	NSBEND (0)	End of NSB
256	(100)	X'100'	0	NSB_LEN	"-NSB"

IXLYNSB Cross Reference

Name	Hex Offset	Hex Value
NSB	0	
NSB_LEN	100	100
NSBARRAY	0	
NSBARRAYCHAR	0	
NSBCHANGED	0	80
NSBCOLOCKSTATE		
	0	C
NSBDATACACHED		
	0	40
NSBELEMNUM	1	
NSBEND	100	
NSBFLAGS	0	
NSBINVLCVI	0	2
NSBINVLCVINUM		
	40	
NSBINVLCVINUMARRAY		
	40	
NSBINVLCVINUMARRAYCHAR		
	40	
NSBPARTY	0	30
NSBREGPERFORMED		
	0	1

IXLYRTAA Information

IXLYRTAA Programming Interface information

Programming Interface information

IXLYRTAA

End of Programming Interface information

IXLYRTAA Heading Information • IXLYRTAA Cross Reference

IXLYRTAA Heading Information

Common Name: IXLRT answer area mapping
Macro ID: IXLYRTAA
DSECT Name: RTAA
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
 24 bytes
Size: 24 bytes
Created by: Issuer of IXLRT macro
Pointed to by: ANSAREA_ADDR in the parameter list points to the RTAA
Serialization: None required
Function: Maps the data returned by IXLRT macro invocation

IXLYRTAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAA	IXLRT Answer Area
0	(0)	CHARACTER	12	RTAAHEADER (0)	Header
0	(0)	SIGNED	4	RTAALEVEL	Macro level of this version of the IXLYRTAA macro
4	(4)	SIGNED	4	RTAAOFFSET	Offset from the beginning of the structure (Rtaa) to the answer area data (RtaaData)
8	(8)	SIGNED	4	RTAALENGTH	Length of the answer area data
12	(C)	CHARACTER	12	RTAADATA (0)	IXLRT answer area data
12	(C)	SIGNED	4	RTAATOTALCOUNT	Total Count of record data entries allocated for the structure. Returned on CREATENTRY, READENTRY, UPDATENTRY, and DELETENTRY requests.
16	(10)	SIGNED	4	RTAACONNCOUNT (0)	Count of record data entries associated with the target connector. Returned on CREATENTRY, READENTRY, UPDATENTRY, and DELETENTRY requests.
16	(10)	SIGNED	4	RTAAREADCNT (0)	Count of entries read for a READALL or READBYCONN request
16	(10)	SIGNED	4	RTAADELCNT	Count of entries deleted for DELETENTRYLIST or DELETEBYCONN requests
20	(14)	SIGNED	4	RTAAFALINDEX	Index into the list of entry identifiers supplied on a DELETENTRYLIST request indicating a record data entry which does not exist, or is an invalid index, or index of first unprocessed entry when the DELETENTRYLIST request completed prematurely
20	(14)	X'0'	0	RTAA_LEVEL#	"0" Macro Level Number
20	(14)	X'18'	0	RTAA_LEN	"*-RTAA"

IXLYRTAA Cross Reference

Name	Hex Offset	Hex Value
RTAA	0	
RTAA_LEN	14	18
RTAA_LEVEL#	14	0
RTAACONNCOUNT		
	10	
RTAADATA	C	
RTAADELCNT	10	
RTAAFALINDEX		
	14	
RTAAHEADER	0	
RTAALENGTH	8	
RTAALEVEL	0	
RTAAOFFSET	4	
RTAAREADCNT	10	
RTAATOTALCOUNT		
	C	

IXLYSTRC Information

IXLYSTRC Programming Interface information

Programming Interface information

IXLYSTRC

End of Programming Interface information

IXLYSTRC Heading Information • IXLYSTRC Map

IXLYSTRC Heading Information

Common Name: Partial Dump Reason Code constants
Macro ID: IXLYSTRC
DSECT Name: N/A
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: None
 Key: None
 Residency: None
Size: 0 bytes
Created by: None
Pointed to by: None
Serialization: No Requirement
Function: Contains the constants that are used by IPCS, SDUMP, and XES to evaluate the dump reason codes

IXLYSTRC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	STRC_PARTRSNUNEXPECTEDFAILURE	"1" Unexpected failure SDRSN: SDRSTRLE
0	(0)	X'2'	0	STRC_PARTRSNSTORNOTAVAIL	"2" Storage not available to complete the dump of a structure SDRSN: SDRSTRLE
0	(0)	X'3'	0	STRC_PARTRSNSTRNOTAVAIL	"3" Structure not available SDRSN: SDRSTRSF
0	(0)	X'4'	0	STRC_PARTRSNFACILNOTAVAIL	"4" Facility not available SDRSN: SDRSTRFF
0	(0)	X'5'	0	STRC_PARTRSNNDUMPTBLNOTAVAIL	"5" Structure dump table not available SDRSN: SDRSTRPS
0	(0)	X'6'	0	STRC_PARTRSNNDUMPTBLFULL	"6" Not all of the requested data could fit in the structure dump table SDRSN: SDRSTRLE @P3C
0	(0)	X'7'	0	STRC_PARTRSNLOSSSERL	"7" Loss of serialization - Some control and possibly adjunct, object controls, lock table, and user control data not dumped SDRSN: SDRSTRRS
0	(0)	X'8'	0	STRC_PARTRSNSOMEDATANOTSERL	"8" Loss of serialization - Some entry data requested serialized but not dumped serialized SDRSN: SDRSTRRS
0	(0)	X'9'	0	STRC_PARTRSNRECENTERED	"9" Recovery routine entered SDRSN: SDRSTRRC
0	(0)	X'A'	0	STRC_PARTRSNSTRDUMPPARTIAL	"10" Not all of the requested data could be written to the dump dataset. Possible reasons are: 1) Data set is full 2) I/O error 3) Unretryable error SDRSN: none

Comment

Constants for the No Dump Reason Codes

End of Comment

0	(0)	X'33'	0	STRC_NORSNUNEXPECTEDFAILURE	"51" Unexpected failure SDRSN: SDRSTRLE
0	(0)	X'34'	0	STRC_NORSNSTORNOTAVAIL	"52" Storage not available to process the dump of a structure SDRSN: SDRSTRLE
0	(0)	X'35'	0	STRC_NORSNSTRNOTAVAIL	"53" Structure not available SDRSN: SDRSTRSF
0	(0)	X'36'	0	STRC_NORSNFACILNOTAVAIL	"54" Facility not available SDRSN: SDRSTRFF
0	(0)	X'37'	0	STRC_NORSNDUMPTBLNOTAVAIL	"55" Structure dump table not available SDRSN: SDRSTRPS
0	(0)	X'38'	0	STRC_NORSNATZERO	"56" Structure user set accesstime to zero SDRSN: SDRSTRRS
0	(0)	X'39'	0	STRC_NORSNLOSSSERL	"57" Loss of serialization SDRSN: SDRSTRRS
0	(0)	X'3A'	0	STRC_NORSNRECENTERED	"58" Recovery routine entered SDRSN: SDRSTRRC
0	(0)	X'3B'	0	STRC_NORSNNODUMPSPACE	"59" No facility dump space SDRSN: SDRSTRNS
0	(0)	X'3C'	0	STRC_NORSNUSERERROR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'3D'	0	STRC_NORSNLOCKTYPE	"60" Possible user error in STRLIST parameter list: 1) Structure does not exist in policy 2) Structure type is not compatible with range options SDRSN: SDRSTRLU
0	(0)	X'3E'	0	STRC_NORSNSTRALREADYDUMPED	"61" Structure is a Lock Structure which cannot be dumped SDRSN: SDRSTRLU
0	(0)	X'3F'	0	STRC_NORSNREADPAREMERROR	"62" Structure was already dumped SDRSN: SDRSTRLU
0	(0)	X'40'	0	STRC_NORSNNOFREEDUMPSPACE	"63" Structure parameters were unavailable SDRSN: SDRSTRLE
					"64" No free facility dump space SDRSN: SDRSTRNS

IXLYSTRC Cross Reference

Name	Hex Offset	Hex Value
STRC_NORSNATZERO	0	38
STRC_NORSNDUMPTBLNOTAVAIL	0	37
STRC_NORSNFACILNOTAVAIL	0	36
STRC_NORSNLOCKTYPE	0	3D
STRC_NORSNLOSSERL	0	39
STRC_NORSNNODUMPSPACE	0	3B
STRC_NORSNNOFREEDUMPSPACE	0	40
STRC_NORSNREADPAREMERROR	0	3F
STRC_NORSNRECENTERED	0	3A
STRC_NORSNSTORNNOTAVAIL	0	34
STRC_NORSNSTRALREADYDUMPED	0	3E
STRC_NORSNSTRNOTAVAIL	0	35
STRC_NORSNUNEXPECTFAILURE	0	33
STRC_NORSNUSERERROR	0	3C
STRC_PARTRSNNDUMPTBLFULL	0	6
STRC_PARTRSNNDUMPTBLNOTAVAIL	0	5
STRC_PARTRSNFACILNOTAVAIL	0	4
STRC_PARTRSNLOSSERL	0	7
STRC_PARTRSNRECENTERED	0	9
STRC_PARTRSNSOMEDATANOTSERL	0	8
STRC_PARTRSNSTORNNOTAVAIL	0	2
STRC_PARTRSNSTRDUMPPARTIAL	0	A
STRC_PARTRSNSTRNOTAVAIL	0	3
STRC_PARTRSNUNEXPECTFAILURE	0	1

IXLYWOB Information

IXLYWOB Programming Interface information

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IXLYWOB

End of Programming Interface information

IXLYWOB Heading Information • IXLYWOB Map

IXLYWOB Heading Information

Common Name: Write Operation Block
Macro ID: IXLYWOB
DSECT Name: WOB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: 256 bytes
 WOB -- 'X'0100' bytes
Created by: Storage area created by IXLCACHE invoker.
Pointed to by: BUFFER Parameter on IXLCACHE invocation.
Serialization: See BUFFER parameter requirements on the IXLCACHE interface description.
Function: Maps the information needed to identify an individual cache entry to be written via the IXLCACHE REQUEST=WRITE_DATALIST.
 The storage area(s) indicated by BUFFER on an IXLCACHE REQUEST=WRITE_DATALIST contain an input array of elements. Each element may be mapped by the WOB, and contains the information needed for writing entries to a cache structure.

IXLYWOB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WOB	Write Operation Block
0	(0)	CHARACTER	21		Reserved
21	(15)	SIGNED	1	WOB_STGCLASS	Storage class - use this field to assign a storage class to the data item being written. Any previous assignment is updated to the new specification
22	(16)	SIGNED	2	WOB_COCLASS	Castout class - use this field to assign a cast-out class to the data item being written. Any previous assignment is updated to the new specification. This applies when the change control indicator is set
24	(18)	CHARACTER	8		Reserved
32	(20)	CHARACTER	16	WOB_NAME	Entry name
48	(30)	CHARACTER	16	WOB_OLDNAME	Old name - use this field to specify the name of the data item for which your interest should be deregistered
64	(40)	SIGNED	4	WOB_VECTORINDEX	Local Cache vector index - contains the index into the local cache vector for ConToken for the entry specified by WOB_Name. The vector entry identified by this number will be used by cache services to indicate both your interest in the data item and the validity of the copy of the data item in your local cache buffer. This field is required when the suppress registration bit is not set or when oldname is specified.
68	(44)	CHARACTER	4		Reserved
72	(48)	CHARACTER	8	WOB_UDF	User Data field - use this field to specify user-defined information to be written to the directory entry for the data item specified by WOB_Name. The information is only written when the WOB_CHGC indicator is set indicating changed data is to be written to the structure and one of the following is true: There is no entry data in the structure for WOB_Name or there is unchanged entry data in the structure for WOB_Name. If the WOB_CHGC indicator is not set, the user data field will be ignored
80	(50)	BITSTRING	1	WOB_FLAGS1 (0)	Flag byte
		1... ..		WOB_CHGC	"X'80" Change control bit - use this field to specify whether changed data is to be written to an entry in the cache structure. 1 ==> the data to be written is changed. The changed data will be assigned to the specified cast-out class (WOB_CCL) superseding any previously specified cast-out class for the data. With the exception of your connection, all users with registered interest in the data will have their interest deregistered such that their locally cached copies of the data are invalidated. 0 ==> the data is written unchanged. The cached copy is the same as the permanent storage copy.
		.1..		WOB_NRC	"X'40" Name replacement control bit - 1 ==> Any registered interest for the specified local cache vector index and the entry specified by WOB_OldName in this write operation block will be deregistered. 0 ==> No deregistration of interest for the entry specified by WOB_OldName will be performed.
		..11		WOB_CP	"X'30" Castout parity bits - value with which to update the directory entry parity. The parity bits are only updated when the WOB_CHGC indicator is set indicating changed data is to be written to the structure. If the WOB_CHGC indicator is not set, the parity bits will be ignored
		.... 1...		WOB_GETCOLOCK	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		WOB_CROSSINVAL	"X'08" Get Castout lock control bit - 1 ==> The cast-out lock is obtained 0 ==> The cast-out lock is not obtained. The cast-out lock is only obtained when the WOB_CHGC indicator is not set indicating that unchanged data is being written. If the WOB_CHGC indicator is set and the WOB_GetCOLock is set, the data will not be written, the cast-out lock will not be obtained and the index of the failing WOB is placed in the ANSAREA. None of the specified WOBs will be processed, meaning processing of the entire command was suppressed.
					"X'04" Cross-invalidate control bit - use this value to specify whether cross-invalidate processing should be performed when writing unchanged data. 1 ==> Cross-invalidate processing is performed 0 ==> Cross-invalidate processing is not performed
81	(51)	SIGNED	1	WOB_PROCESSID	Castout process ID - use this field to specify a user defined process identifier to be placed in the cast-out lock along with the connection identifier. This field is only used when WOB_GetCOLock is set.
82	(52)	CHARACTER	1		Reserved
83	(53)	SIGNED	1	WOB_ELEMNUM	Elemnum - use this field to specify the number of elements to be allocated to the data entry. Valid values can be in the range of 0 to 255 where 0 is valid only when WOB_CHGC is 0. The value for ElemNum must match the size of the data area in the data block corresponding to WOB being processed
84	(54)	CHARACTER	4		Reserved
88	(58)	CHARACTER	8	WOB_VERSCOMP	Comparative version number - use this field to specify a version number to be compared to the version number of the entry designated by WOB_Name. If the condition specified by WOB_VersCompType is not met, then the request is terminated. WOB_VersComp is needed to ensure that updates to the version number via WOB_VersUpdate are not processed multiple times as a result of internal request redrive logic affecting this request
96	(60)	CHARACTER	8	WOB_NEWVERS	Version number - use this field to specify the value that is to be assigned to the entry version number
104	(68)	BITSTRING	1	WOB_FLAGS2 (0)	Flag byte
		1...		WOB_ASC	"X'80" Assignment Suppression control - use this field to specify whether a directory entry will be assigned for WOB_Name if one does not currently exist. 1 ==> No directory entry will be assigned 0 ==> A directory entry will be assigned
		.1..		WOB_SREG	"X'40" Suppress registration - use this field to specify whether the request should register connection interest in the entry. 1 ==> No connection interest will be registered. 0 ==> Connection interest registration will be performed.
		.... 1...		WOB_VERSCOMPSTYPE	"X'08" Version comparison request type - use this field to specify how the structure entry version number comparison is to be performed. 1 ==> LessOrEqual - the version number for the structure entry must be less than or equal to the value specified for WOB_VersComp. 0 ==> Equal - the version number for the structure entry must be equal to the value specified for WOB_VersComp.
		.... .1..		WOB_VERSCOMPVALID	"X'04" Indicates whether or not the VersComp field should be used to perform entry version number comparison using the version comparison request type in WOB_VersCompType. 1 ==> The WOB_VersComp is valid 0 ==> The WOB_VersComp is invalid
		.... ..11		WOB_VERSUPDATE	"X'03" Version request type - use this field to specify how the entry version number will be updated or, for those cases where an entry is created, initialized. 00 ==> None - the version number is not updated. On a request that causes an entry to be created, the version number is set to contain all binary zeros. 10 ==> Inc - the version number will be incremented. On a request that causes an entry to be created, the version number for the created entry is set to contain all binary zeros except for the low order bit, which is set to one. 01 ==> Dec - the version number will be decremented. On a request that causes an entry to be created, the version number for the created entry is set to contain all binary ones. 11 ==> Set - the version number will be set to the value specified by WOB_NewVers, including the case where an entry is created.
105	(69)	CHARACTER	87		Reserved
192	(C0)	CHARACTER	64	WOB_AA	Adjunct area - This area will be ignored if the structure does not support adjunct data
256	(100)	CHARACTER	1	WOB_END (0)	End of WOB
		.... ....		WOB_VERSUPDATE_TYPE_NONE	"B'00000000"
		.... ...1		WOB_VERSUPDATE_TYPE_DEC	"B'00000001"
		.... ..1.		WOB_VERSUPDATE_TYPE_INC	"B'00000010"
		.... ..11		WOB_VERSUPDATE_TYPE_SET	"B'00000011"
256	(100)	X'100'	0	WOB_LEN	"*-WOB"

IXLYWOB Cross Reference

IXLYWOB Cross Reference

Name	Hex Offset	Hex Value
WOB	0	
WOB_AA	C0	
WOB_ASC	68	80
WOB_CHGC	50	80
WOB_COCLASS	16	
WOB_CP	50	30
WOB_CROSSINVAL		
	50	4
WOB_ELEMNUM	53	
WOB_END	100	
WOB_FLAGS1	50	
WOB_FLAGS2	68	
WOB_GETCOLOCK		
	50	8
WOB_LEN	100	100
WOB_NAME	20	
WOB_NEWVERS	60	
WOB_NRC	50	40
WOB_OLDNAME	30	
WOB_PROCESSID		
	51	
WOB_SREG	68	40
WOB_STGCLASS	15	
WOB_UDF	48	
WOB_VECTORINDEX		
	40	
WOB_VERSCOMP	58	
WOB_VERSCOMPTYPE		
	68	8
WOB_VERSCOMPVALID		
	68	4
WOB_VERSUPDATE		
	68	3
WOB_VERSUPDATE_TYPE_DEC		
	100	1
WOB_VERSUPDATE_TYPE_INC		
	100	2
WOB_VERSUPDATE_TYPE_NONE		
	100	0
WOB_VERSUPDATE_TYPE_SET		
	100	3

IXLYWORB Information

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IXLYWORB Heading Information • IXLYWORB Map

IXLYWORB Heading Information

Common Name: Write-Operation Response Block
Macro ID: IXLYWORB
DSECT Name: WORB
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User specified
 Key: User specified
 Residency: User specified
Size: 192 bytes
 WORB -- X'00C0' bytes
Created by: - Storage area created by IXLCACHE invoker
 - WORB data created by IXLCACHE service routine
Pointed to by: WORBAREA parameter on IXLCACHE
Serialization: See WORBAREA parameter requirements on the IXLCACHE interface description.
Function: The WORB maps the information returned when the IXLCACHE macro is issued for a WRITE_DATALIST request.

IXLYWORB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	WORB	Write Operation Response Block	
0	(0)	CHARACTER	192	WORBARRAYCHAR (0)	Entire WORB area	
0	(0)	CHARACTER	12	WORBARRAY (0)	Array of WORB entries	
0	(0)	SIGNED	4	WORB_COCOUNT	Total number of data elements assigned to the castout class to which data was just written for the corresponding WOB	
4	(4)	SIGNED	4	WORB_TOTCHANGED	The total number of entries assigned to the storage class to which data was just written for the corresponding WOB that contain changed or locked-for-cast-out subsystem data.	
8	(8)	SIGNED	4	WORB_INVLCVINUM	Invalidated local cache vector index number. This represents the local cache vector index that was invalidated because interest for the associated item was re-registered using a different vector index. This field is only valid when the bit position corresponding to the WORB being processed in CAALvLcviVector is set to one.	
12	(C)	CHARACTER	1	WORB_END (0)	End of WORB	
192	(C0)	X'C0'	0	WORB_LEN	"*-WORB"	

IXLZSTRB Information

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IXLZSTRB

End of Programming Interface information

IXLZSTRB Heading Information • IXLZSTRB Map

IXLZSTRB Heading Information

Common Name: IXLZSTR Macro Service ANSAREA Mappings
Macro ID: IXLZSTRB
DSECT Name: StrBHeader StrBStrSummary StrBSummary StrBStrDetail StrBStrDetail1 StrBDetail StrBEMCDetail StrBEntry
Owning Component: Cross System Extended Services (SCIXL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
Key: User Defined
Residency: User Defined
Size: STRBSTRDETAIL1 -- X'0044' bytes
STRBHEADER -- X'0088' bytes
STRBSTRSUMMARY -- X'0068' bytes
STRBSUMMARY -- X'000C' bytes
STRBSTRDETAIL -- X'003C' bytes
STRBDETAIL -- X'0024' bytes
STRBEMCDETAIL -- X'0020' bytes
STRBENTRY -- X'0038' bytes
Created by: The IXLZSTR CF Structure Data Access Service in the user defined ANSAREA
Pointed to by: User
Serialization: No requirement
Function: This macro maps the ANSAREA data that was requested on the IXLZSTR macro and provides constants to interpret any return and reason codes issued. This macro will map the contents of the ANSAREA for all IXLZSTR requests, with the exception of the user control and lock index requests. In the case where the user control information is returned from the IXLZSTR service, the DLccb mapping found in IXLYDDIB will map the answer area entries if the structure requested is a cache structure or the DLucb mapping found in IXLYDDIB will map the answer area entries if the structure is a list structure. In the case where lock table entries are requested, the DLte mapping found in IXLYDDIB will map the answer area entries.
NOTE: To determine the length of each individual StrBEntry entry, perform the following calculation:
StrBTableEntryLen + StrBEntryAdjLen + StrBEntryEDataLen + StrBEntryCntLen
This calculation will always give the correct length.
The reason this should be done for each individual StrBEntry is that there may be times when some or all of the entries may not contain adjunct data or entry data, even though it was requested. By performing this calculation, the user is insured that movement to the next entry in the ANSAREA will be correct.
NOTE: To interpret the dump reason code, include the IXLYSTRC mapping in your program.

IXLZSTRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBHEADER	Mapping for the header section of the answer area
0	(0)	SIGNED	4	STRBNUMTABLEENTRIES	Number of table entries
4	(4)	SIGNED	4	STRBTABLEENTRYLEN	Length of the table entry. For table entries that point to other areas of the answer area, i.e. control information, the length of the area that is pointed to is included in the table entry length NOTE - If the ENTRYDATA keyword is specified on the IXLZSTR macro, this field will not include the length of the entry data in the total length. The reason for this is that two different entries in the answer area could have two different entrydata lengths, thus invalidating this field. To obtain the length of the entrydata in the answer area, see StrBEntryEDataLen in the StrBEntry entry. If the ADJUNCT keyword is specified on the IXLZSTR macro, this field will not include the length of the adjunct data. The reason for this is that the adjunct data may be requested, but not in the dump. To obtain the length of the adjunct data in the answer area, see STRbEntryAdjLen in the StrBEntry
8	(8)	ADDRESS	4	STRBFIRSTTABLEENTRY@	Pointer to the first table entry in the answer area
12	(C)	SIGNED	4	STRBTABLEENTRYTYPE	Type of entries that are mapped in the answer area
16	(10)	CHARACTER	104	STRBSTRINFO	Summary information about the structure that was specified on the IXLZSTR request. This area will not be filled in when the request is TYPE(STRUCTURE) STRLEVEL(SUMMARY) request. This area can be mapped by the StrBStrSummary mapping

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
120	(78)	SIGNED	4	STRBSTARTRANGE	If the StrbPosRange bit is off, this variable will hold the start of a range of CLASS, LISTNUM, LOCKENTRIES, USERCNTLS, EMCONTROLS, or EVENTQS object values specified on the IXLZSTR macro. If the StrbPosRange bit is on, this variable will hold the start of a position range within a requested CLASS or LISTNUM value. This value can be found in StrBEntryValue NOTE - This field will only be valid if the TYPE parameter on the IXLZSTR macro is CLASS, LISTNUM, LOCKENTRIES, USERCNTLS, EMCONTROLS, or EVENTQS and the StrBHeaderAll bit is off
124	(7C)	SIGNED	4	STRBENDRANGE	If the StrbPosRange bit is off, this variable will hold the end of a range of CLASS, LISTNUM, LOCKENTRIES, USERCNTLS, EMCONTROLS, or EVENTQS object values specified on the IXLZSTR macro. If the StrbPosRange bit is on, this variable will hold the end of a position range within a requested CLASS or LISTNUM value. This value can be found in StrBEntryValue NOTE - This field will only be valid if the TYPE parameter on the IXLZSTR macro is CLASS, LISTNUM, LOCKENTRIES, USERCNTLS, EMCONTROLS, or EVENTQS and the StrBHeaderAll bit is off
128	(80)	SIGNED	4	STRBHEADEROBJECTVALUE	Value of the object the entries were attempted to be retrieved from. See StrBHeaderFlags and StrBHeaderFlags2 to determine whether this value is a storage class, castout class, list number, or connection id. NOTE: This field is only valid if the request was a TYPE(CLASS) CLASSLEVEL(ENTRY) request, a TYPE(LISTNUM) LISTNUMLEVEL(ENTRY) request, a TYPE(EMCONTROLS) EMCLEVEL(EMC) request, or a TYPE(EVENTQS) EQLEVEL(EMC) request
132	(84)	BITSTRING	1	STRBHEADERFLAGS (0)	Flag Byte
		1...		STRBHEADERALL	"X'80" 0 => Indicates a range was specified 1 => Indicates that all of a class, listnum, usercntls, lockentries, emcontrols or eventqs was specified. NOTE - This bit will only be valid if the TYPE parameter on the IXLZSTR macro is CLASS, LISTNUM, LOCKENTRIES, USERCNTLS, EMCONTROLS, or EVENTQS
		.1..		STRBPOS RANGE	"X'40" 0 => Indicates that SUMMARY or DETAIL level information was requested or STARTVAL and or ENDDVAL were specified or defaulted to on the IXLZSTR macro. StrBStartRange, StrBEndRange, and StrBHeaderAll bits are referencing ranges of CLASS (when StrBObjRngCoc or StrBObjRngStg are set), LISTNUM (when StrBObjRngLnm is set), LOCKENTRIES, USERCNTLS, EMCONTROLS (when StrBObjRngEmc is set) or EVENTQS (when StrBObjRncEqc is set). 1 => Indicates that ENTRY level, or ENTRY level with STARTPOS and optionally ENDDPOS, or EMC level information, was requested for the object value specified in StrBHeaderObjectValue. For ENTRY level information, StrBStartRange, StrBEndRange, and StrBHeaderAll bits are referencing ranges of entry positions within a CLASS (when StrBHeaderCoc or StrBHeaderStg is set) or a LISTNUM (when StrBHeaderLnm is set). For EMC level information (StrBHeaderEmc or StrBHeaderEqc is set), StrBHeaderAll will be set and StrBStartRange and StrBEndRange do not apply.
		..1.		STRBTAILORDPROB	"X'20" If ENTRYKEY and ORDER(TAIL) were specified on the IXLZSTR macro and the dump of the entries was partial, this bit bit will be set to indicate that the dump of the entrykey may be partial because the last entry dumped for this object had the requested entrykey
Comment					
The following 3 bits only apply for TYPE(CLASS) CLASSLEVEL(ENTRY) requests and for TYPE(LISTNUM) LISTNUMLEVEL(ENTRY) requests. The object value these bits identify is located in the field StrBHeaderObjectValue					
End of Comment					
		...1		STRBHEADERCOC	"X'10" 0 => This object value in the StrBHeaderObjectValue field is not a castout class 1 => This object value in the StrBHeaderObjectValue field is a castout class
		.... 1..		STRBHEADERSTG	"X'08" 0 => This object value in the StrBHeaderObjectValue field is not a storage class 1 => This object value in the StrBHeaderObjectValue field is a storage class
		.... .1..		STRBHEADERLNM	"X'04" 0 => This object value in the StrBHeaderObjectValue field is not a list number 1 => This object value in the StrBHeaderObjectValue field is a list number
		.... ..1.		STRBTAILPOS RANGE	

IXLZSTRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
133	(85)	BITSTRING	1	STRBHEADERFLAGS2 (0)	"X'02" 0 => The position range specified is going from head to tail order 1 => The position range specified is going from tail to head order NOTE: This bit is valid only if the StrBPosRange bit is set Flag Byte2
Comment					
<p>The following 3 bits only apply for TYPE(CLASS) CLASSLEVEL(SUMMARY) or CLASSLEVEL(DETAIL) requests and for TYPE(LISTNUM) LISTNUMLEVEL(SUMMARY) or LISTNUMLEVEL(DETAIL) requests. The object ranges these bits identify are located in StrBHeaderAll if all was requested or in StrBStartRange and StrBEndRange if a range was requested</p>					
End of Comment					
		1... ..		STRBOBJRNGCOC	"X'80" 0 => The range requested is not a castout class 1 => The range requested is a castout class
		.1... ..		STRBOBJRNGSTG	"X'40" 0 => The range requested is not a storage class 1 => The range requested is a storage class
		..1.		STRBOBJRNLNM	"X'20" 0 => The range requested is not a list number 1 => The range requested is a list number
Comment					
<p>The following 2 bits only apply for TYPE(EMCONTROLS) EMCLEVEL(EMC) or TYPE(EVENTQS) EQLEVEL(EMC) requests. The object value these bits identify is located in the field StrBHeaderObjectValue</p>					
End of Comment					
		...1		STRBHEADEREMC	"X'10" 0 => The object value in the StrBHeaderObjectValue field is not a list number 1 => This object value in the StrBHeaderObjectValue field is a list number
		.... 1...		STRBHEADEREQC	"X'08" 0 => The object value in the StrBHeaderObjectValue field is not a connection id 1 => This object value in the StrBHeaderObjectValue field is a connection id
Comment					
<p>The following 2 bits only apply for TYPE(EMCONTROLS) EMCLEVEL(SUMMARY) or TYPE(EVENTQS) EQLEVEL(DETAIL) requests. The object ranges these bits identify are located in StrBHeaderAll if all was requested or in StrBStartRange and StrBEndRange if a range was requested</p>					
End of Comment					
		.... .1..		STRBOBJRNGEMC	"X'04" 0 => The range requested is not a list number 1 => The range requested is a list number
		.... ..1.		STRBOBJRNGEQC	"X'02" 0 => The range requested is not a connection id 1 => The range requested is a connection id
134	(86)	CHARACTER	2		
Comment					
<p>Constants for the table entry These constants will be used in StrBTableEntryType</p>					
End of Comment					
134	(86)	X'1'	0	STRBTABLEENTRYSTRSUMMARY	"1" TYPE=STRUCTURE STRLEVEL=SUMMARY entries are in the answer area
134	(86)	X'2'	0	STRBTABLEENTRYSTRDETAIL	"2" TYPE=STRUCTURE STRLEVEL=DETAIL entries are in the answer area
134	(86)	X'3'	0	STRBTABLEENTRYSTRSUMMARY	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
134	(86)	X'4'	0	STRBTABLEENTRYDETAIL	"3" TYPE=CLASS CLASSLEVEL=SUMMARY or TYPE=LISTNUM LISTNUMLEVEL=SUMMARY or TYPE=EMCONTROLS EMCLEVEL=SUMMARY entries are in the answer area
134	(86)	X'5'	0	STRBTABLEENTRYENTRY	"4" TYPE=CLASS CLASSLEVEL=DETAIL or TYPE=LISTNUM LISTNUMLEVEL=DETAIL or TYPE=EVENTQS EMCLEVEL=DETAIL entries are in the answer area
134	(86)	X'6'	0	STRBTABLEENTRYLOCK	"5" TYPE=CLASS CLASSLEVEL=ENTRY, TYPE=LISTNUM LISTNUMLEVEL=ENTRY, or TYPE=ENTRY entries are in the answer area
134	(86)	X'7'	0	STRBTABLEENTRYDLUCB	"6" TYPE=LOCKENTRIES entries are in the answer area - Use the DLte mapping in IXLYDDIB to map the entries
134	(86)	X'8'	0	STRBTABLEENTRYDLCCB	"7" TYPE=USERCNTLS entries are in the answer area and the structure requested is a list structure - Use the DLucb mapping in IXLYDDIB to map the entries
134	(86)	X'9'	0	STRBTABLEENTRYEMCDETAIL	"8" TYPE=USERCNTLS entries are in the answer area and the structure requested is a cache structure - Use the DLccb mapping in IXLYDDIB to map the entries
134	(86)	X'88'	0	STRBHEADER_LEN	"9" TYPE=EMCONTROLS EMCLEVEL=EMC or TYPE=EVENTQS EMCLEVEL=EMC entries are in the answer area
					**"-STRBHEADER"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	STRBSTRSUMMARY	
0	(0)	CHARACTER	16	STRBSTRSUMMARYNAME	Structure name
16	(10)	BITSTRING	1	STRBSTRSUMMARYTYPE	Structure type
17	(11)	CHARACTER	1		reserved
18	(12)	SIGNED	2	STRBSTRSUMMARYSTRDUMPID	Structure Dump ID
20	(14)	SIGNED	4	STRBSTRSUMMARYDUMPRSN	Reason code, if dump status is other than complete - the dump reason codes are defined in the IXLYSTRC mapping
24	(18)	CHARACTER	32	STRBSTRSUMMARYHDWND	Facility Node descriptor
56	(38)	CHARACTER	8	STRBSTRSUMMARYCFNAME	Facility Name
64	(40)	CHARACTER	32	STRBSTRSUMMARYINCIDENTTOKEN	Incident token
96	(60)	BITSTRING	1	STRBSTRSUMMARYFLAGS	(0)
					Flag Byte
		1...		STRBSTRSUMMARYFLGCOMPLETE	"X'80" Indicates that the dump of the lock table or the user controls was complete NOTE: This field only applies when a user requests LOCKENTRIES or USERCNTLS information
		.1..		STRBSTRSUMMARYSTRINREBLD	"X'40" Indicates that the the structure is in the process of rebuild
		..1.		STRBSTRSUMMARYREBLDOLDSTR	"X'20" Indicates that the structure information pertains to the OLD structure NOTE: Bit is only valid if the StrBStrSummaryStrInReblD is set
		...1		STRBSTRSUMMARYREBLDNEWSTR	"X'10" Indicates that the structure information pertains to the NEW structure NOTE: Bit is only valid if the StrBStrSummaryStrInReblD is set
		.... 1...		STRBSTRSUMMARYREBLDDUPLEXSTR	"X'08" ON indicates the structure rebuild is a duplexing rebuild. OFF indicates the structure rebuild is a normal rebuild. NOTE: Bit is only valid if the StrBStrSummaryStrInReblD is set
		.... .1..		STRBSTRSUMMARYREBLDMETHODSTR	"X'04" ON indicates the structure rebuild is system managed. OFF indicates the structure rebuild is user managed. NOTE: Bit is only valid if the StrBStrSummaryStrInReblD is set
97	(61)	CHARACTER	3		Reserved
100	(64)	SIGNED	4	STRBSTRSUMMARYCFLEVEL	Coupling facility operational level of facility in which structure is allocated

IXLZSTRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
100	(64)	X'68'	0	STRBSTRSUMMARY_LEN	"*-STRBSTRSUMMARY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBSUMMARY	
0	(0)	SIGNED	4	STRBSUMMARYVALUE	Value of the CLASS or LISTNUM or EMCONTROLS. See StrbSummaryFlags to determine if this value is a storage class, castout class, or list number value
4	(4)	BITSTRING	1	STRBSUMMARYFLAGS	
		1...		(0) STRBSUMMARYCOMPLETE	"X'80" Indicates that dump is complete for all the entries in the CLASS or LISTNUM or all the event monitor controls (EMCONTROLS) associated with the list number.
		.1..		STRBSUMMARYCOC	"X'40" 0 => This is not a castout class entry 1 => This is a castout class entry
		..1.		STRBSUMMARYSTG	"X'20" 0 => This is not a storage class entry 1 => This is a storage class entry
		...1		STRBSUMMARYLNM	"X'10" 0 => This is not a list number entry 1 => This is a list number entry
		.... 1...		STRBSUMMARYEMC	"X'08" 0 => This is not an event monitor controls entry. 1 => This is an event monitor controls (EMCONTROLS) entry
5	(5)	CHARACTER	3		reserved
8	(8)	CHARACTER	4		reserved for alignment
8	(8)	X'C'	0	STRBSUMMARY_LEN	"*-STRBSUMMARY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBSTRDETAIL	
0	(0)	ADDRESS	4	STRBSTRDETAILCNTL@	Pointer to the structure controls in the answer area. The controls can be mapped by the DCac mapping found in IXLYDCAC if the structure is a cache structure, or the controls can be mapped by the DLic mapping found in IXLYDLIC if the structure is a list structure
4	(4)	SIGNED	4	STRBSTRDETAILCNTLLEN	Length of the structure controls
8	(8)	ADDRESS	4	STRBSTRDETAILARB@	Pointer to the ARB in the answer area. The ARB can be mapped by the ARB mapping found in IHAARB. The length of the ARB is always one page. If the ARB is not present in the dump, this pointer will be zero
12	(C)	SIGNED	4	STRBSTRDETAILARBLEN	The length of the ARB
16	(10)	SIGNED	4	STRBSTRDETAILARBNUMRANGES	The number of ranges that are in the ARB. This number should be used to index through the ARB ranges
20	(14)	SIGNED	4	STRBSTRDETAILARBBLASTRNGPROC	The index of the last range that was processed in the ARB
24	(18)	CHARACTER	16	STRBSTRDETAILCONNAME	name of connected user whose registry information was gathered
40	(28)	SIGNED	2	STRBSTRDETAILCONID	Connection ID
42	(2A)	BITSTRING	1	STRBSTRDETAILFLAGS	
		(0)		(0)	Structure Detail Flags
		1...		STRBSTRDETAILCONNOTFOUND	"X'80" Indicates that the conname or contoken specified for this structure could not be found in the policy when the structure was dumped
43	(2B)	CHARACTER	1		Reserved
44	(2C)	ADDRESS	4	STRBSTRDETAILSCC@	Pointer to the structure copy controls in the answer area.
48	(30)	SIGNED	4	STRBSTRDETAILSCCLEN	The length of the structure copy controls
52	(34)	ADDRESS	4	STRBSTRDETAILDUPCON@	Pointer to the duplexing controls data in the answer area.
56	(38)	SIGNED	4	STRBSTRDETAILDUPCONLEN	The length of the duplexing controls
56	(38)	X'3C'	0	STRBSTRDETAIL_LEN	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					**-STRBSTRDETAIL"
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBSTRDETAIL1	
0	(0)	CHARACTER	60		Mapped by StrBStrDetail
60	(3C)	ADDRESS	4	STRBSTRDETAILEXTSTRCNTL@	Pointer to the extended structure controls in the answer area. The controls can be mapped by the DlicExtStructureControls mapping found in IXLYDLIC if the structure is a list structure and by the DcacExtStructureControls mapping found in IXLYDCAC if the structure is a cache structure
64	(40)	SIGNED	4	STRBSTRDETAILEXTSTRCNTLLEN	Length of the extended structure controls
64	(40)	X'44'	0	STRBSTRDETAIL1_LEN	**-STRBSTRDETAIL1"
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBDETAIL	
0	(0)	SIGNED	4	STRBDETAILVALUE	Value of the CLASS, LISTNUM or EVENTQS. See StrbDetailFlags to determine if this value is a storage class, castout class, list number value or connection id.
4	(4)	SIGNED	4	STRBDETAILNUMENTRIES	Number of entries dumped for the CLASS, LISTNUM or EVENTQS. NOTE: If the STRBDETAILCOMPLETE bit is not set, this number will not be valid
8	(8)	BITSTRING	1	STRBDETAILFLAGS (0)	"X'80" Indicates that all the entries were dumped for the CLASS, LISTNUM, or all of the event monitor controls were dumped for an event queue
		1...		STRBDETAILCOMPLETE	"X'80" Indicates that all the entries were dumped for the CLASS, LISTNUM, or all of the event monitor controls were dumped for an event queue
		.1..		STRBDETAILCOC	"X'40" 0 => This is not a castout class entry 1 => This is a castout class entry
		..1.		STRBDETAILSTG	"X'20" 0 => This is not a storage class entry 1 => This is a storage class entry
		...1		STRBDETAILLNM	"X'10" 0 => This is not a list number entry 1 => This is a list number entry
		.... 1...		STRBDETAILEQC	"X'08" 0 => This is not an event queue (EVENTQS) entry 1 => This is an event queue (EVENTQS) entry
9	(9)	CHARACTER	3		reserved
12	(C)	SIGNED	4		Reserved
16	(10)	ADDRESS	4	STRBDETAILCNTL@	Pointer to the CLASS, LISTNUM or event queue controls found in the answer area. The controls can be mapped by the Dccc mapping found in IXLYDCCC if the controls are cast out class controls. The controls can be mapped by the Dsc mapping found in IXLYDSCC if the controls are storage class controls. The controls can be mapped by the Dlc mapping found in IXLYDLC if the controls are list controls. The controls can be mapped by the Deqc mapping found in IXLYDEQC if the controls are event queue controls.
20	(14)	SIGNED	4	STRBDETAILCNTLLEN	Length of the controls
24	(18)	CHARACTER	12		reserved for alignment
24	(18)	X'24'	0	STRBDETAIL_LEN	**-STRBDETAIL"
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBEMCDetail	
0	(0)	SIGNED	4	STRBEMCDetailVALUE	Value of the connection id or the list number associated with event monitor controls. See StrBEMCDetailFlags to determine if this value is a connection id or a list number value
4	(4)	SIGNED	4	STRBEMCDetailNUMENTRIES	Number of event monitor controls dumped for the connection id or the list number. If the StrBEMCDetailComplete bit is not set, this number will not be valid

IXLZSTRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	BITSTRING	1	STRBEMCDetailFlags	
		1...		(0) STRBEMCDetailComplete	"X'80" 1 indicates that all the event monitor controls were dumped for the connection id or list number
		.1..		STRBEMCDetailEMC	"X'40" 0 => This is not an event monitor controls (EMCONTROLS) entry 1 => This is an event monitor controls (EMCONTROLS) entry
		..1.		STRBEMCDetailEQC	"X'20" 0 => This is not an event queue (EVENTQS) entry 1 => This is an event queue (EVENTQS) entry
9	(9)	CHARACTER	3		reserved
12	(C)	SIGNED	4		Reserved
16	(10)	ADDRESS	4	STRBEMCDetailEMC@	Pointer to event monitor controls in the answer area mapped by DEmc mapping found in IXLYDDIB
20	(14)	SIGNED	4	STRBEMCDetailEMCLEN	Length of the event monitor controls reserved for alignment
24	(18)	CHARACTER	8		
24	(18)	X'20'	0	STRBEMCDetail_LEN	"*-STRBEMCDetail"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STRBENTRY	
0	(0)	ADDRESS	4	STRBENTRYCNTL@	Pointer to the entry control information in the answer area. The entry control information can be mapped by the DDil mapping in the IXLYDDIB macro if the structure is a list structure or by the DDic mapping in the IXLYDDIB macro if the structure is a cache structure.
4	(4)	SIGNED	4	STRBENTRYCNTLLEN	Length of the entry control information
8	(8)	ADDRESS	4	STRBENTRYEDATA@	Pointer to the entry's entry data in the answer area NOTE: IF no entry data was returned, the pointer to the entry data in the answer area will be zero
12	(C)	SIGNED	4	STRBENTRYTOTALDATALEN	Total length of entry data
16	(10)	SIGNED	4	STRBENTRYEDATALEN	Length of the entry data returned NOTE: If no entry data was returned, the length will be set to zero
20	(14)	SIGNED	4	STRBENTRYEDATALENLEFT2PROC	Length of entry data left to process to retrieve all of the entry data associated with this entry. This variable can be used to allocate a bigger answer area so that the remainder of this entry's entry data can be returned all at once before proceeding to the next entry, if one exists
24	(18)	ADDRESS	4	STRBENTRYADJ@	Pointer to the entry's adjunct information in the answer area NOTE: IF no adjunct data was returned, the pointer to the adjunct data in the answer area will be zero
28	(1C)	SIGNED	4	STRBENTRYADJLEN	Length of the adjunct data NOTE: If no adjunct data was returned, the length will be set to zero
32	(20)	SIGNED	4	STRBENTRYPOSVALUE	Entry position of the entry in the class or listnum. If the StrBKeyPosValue is On, this is the entry position of the entry within the requested entrykey NOTE: If this is from a TYPE(ENTRY) request, the field is invalid
36	(24)	BITSTRING	1	STRBENTRYFlags	
		1...		(0) STRBENTRYEDATASERIALIZED	"X'80" Indicates whether the entry data was dumped serialized
		.1..		STRBENTRYADJDSERIALIZED	"X'40" Indicates whether the adjunct data was dumped serialized
		..1.		STRBPARTENTRYDATA	"X'20" 0 => All of the entry data that could fit did make it out into the answer area 1 => All of the entry data was not able to be put into the answer area The reason for this is because there was an access error while retrieving the entry data. NOTE: this bit will only be valid if StrBEntryDataReq is on
		...1		STRBENTRYEDATAREQ	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1..		STRBENTRYADJDREQ	"X'10" Indicates whether the entry data was requested to be returned on the IXLZSTR macro NOTE: Entry data may be partially returned due to insufficient space in the answer area or not returned due to failure to get the entry data written out to the dump data set. Please check the return code and reason codes from the IXLZSTR service and the fields in this mapping, StrBEntry, to check that state of the entrydata retrieval
		.... .1..		STRBENTRYONSCM	"X'08" Indicates whether the adjunct data was requested to be returned on the IXLZSTR macro NOTE: Adjunct data may not be returned due to a failure to get it written out to the dump data set. Please check the fields in this mapping, StrBEntry, to insure that the adjunct data was returned
37	(25)	BITSTRING	1	STRBENTRYFLAGS2 (0)	"X'04" For a TYPE(LISTNUM) request, indicates whether the entry resides in coupling facility real storage or storage class memory. 0 => the entry represented by this StrBEntry table entry resides in coupling facility real storage. 1 => the entry represented by this StrBEntry table entry resides in coupling facility storage class memory. No entry control information, adjunct data or entry data is returned
		1...		STRBKEYPOSVALUE	Flag Byte 2 - NOTE: If this is from a TYPE(ENTRY) request, the field is invalid
38	(26)	CHARACTER	2		"X'80" 0 => Entry position found in the StrBEntryPosValue is the entry position in the total list of entries 1 => Entry position found in the StrBEntryPosValue is the entry position in the list of entries with the requested entrykey NOTE: To find the entrykey that was requested, map the DDil mapping on the pointer to the entry controls in this entry and look at the value of the DDilLstEntKey field reserved for alignment
40	(28)	CHARACTER	16		reserved for expansion
Comment					
Structure Type Constants					
End of Comment					
		.... ..11		STRBSTRTYPELIST	"X'03" List Structure - External
		.... .1..		STRBSTRTYPECACHE	"X'04" Cache Structure - External
Comment					
Length constants for the mappings					
End of Comment					
40	(28)	X'0'	0	STRBRETCODESUCC	"0" Successful Completion - IXLZSTR returned all requested data
40	(28)	X'4'	0	STRBRETCODEMOREDATA	"4" Successful Completion - Additional data available but not returned
40	(28)	X'8'	0	STRBRETCODENODATA	"8" No data returned in ANSAREA
40	(28)	X'C'	0	STRBRETCODEENVERR	"12" Environmental Error
40	(28)	X'10'	0	STRBRETCODEFAIL	"16" Failure in IXLZSTR Processing
Comment					
Reason Codes from the IXLZSTR Macro Service for when the return code is StrBRetCodeSucc					
End of Comment					
40	(28)	X'0'	0	STRBRNSNCODESUCC	"0" Successful Completion - IXLZSTR returned all requested data
Comment					
Reason Codes from the IXLZSTR Macro Service for when the return code is StrBRetCodeMoreData					
End of Comment					
40	(28)	X'4'	0	STRBRNSNCODEANSANOTLGE	

IXLZSTRB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
<p style="text-align: right;">"4" ANSAREA was not large enough to contain the data to be returned by IXLZSTR. To retrieve the remainder of the data, invoke IXLZSTR again with the same keywords and the RESTOKEN as input to the macro</p> <hr/> <p style="text-align: center;">Comment</p> <hr/> <p>Reason Codes from the IXLZSTR Macro Service for when the return code is StrBRetCodeNoData</p> <hr/> <p style="text-align: right;">End of Comment</p>					
40	(28)	X'4'	0	STRBRNSNCODENOSTRNAME	"4" The STRNAME specified on the IXLZSTR macro does not appear in the dump
40	(28)	X'8'	0	STRBRNSNCODENOSTRDUMPID	"8" The STRNAME specified on the IXLZSTR macro does appear in the dump, but the STRDUMPID does not appear in the dump
40	(28)	X'C'	0	STRBRNSNCODENOFACDATA	"12" No coupling facility data appears in the dump
40	(28)	X'10'	0	STRBRNSNCODENOTMINSTOR	"16" ANSAREA specified on the IXLZSTR macro does not meet the minimum storage requirement for the request
40	(28)	X'14'	0	STRBRNSNCODENOATTRSTR	"20" The data does not appear in the dump because the attributes of the requested data does not match the attributes of the structure type
40	(28)	X'18'	0	STRBRNSNCODEINVALIDDRGE	"24" The range specification on the IXLZSTR macro is invalid. The starting value is greater than the ending value
<hr/> <p style="text-align: center;">Comment</p> <hr/> <p>Reason Codes from the IXLZSTR Macro Service for when the return code is StrBRetCodeEnvErr</p> <hr/> <p style="text-align: right;">End of Comment</p>					
40	(28)	X'4'	0	STRBRNSNCODENOSTOR	"4" Unable to obtain system storage
<hr/> <p style="text-align: center;">Comment</p> <hr/> <p>Reason Codes from the IXLZSTR Macro Service for when the return code is StrBRetCodeFail</p> <hr/> <p style="text-align: right;">End of Comment</p>					
40	(28)	X'4'	0	STRBRNSNCODENOREADS	"4" Some data could not be accessed in the dump data set
40	(28)	X'38'	0	STRBENTRY_LEN	**-STRBENTRY"

IXLZSTRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STRBDETAIL	0		STRBDETAILVALUE		
STRBDETAIL_LEN	18	24		0	
STRBDETAILCNTL@	10		STRBEMCDetail	0	
STRBDETAILCNTLLEN	14		STRBEMCDetail_LEN	18	20
STRBDETAILCOC	8	40	STRBEMCDetailCOMPLETE	8	80
STRBDETAILCOMPLETE	8	80	STRBEMCDetailEMC	8	40
STRBDETAILEQC	8	8	STRBEMCDetailEMC@	10	
STRBDETAILFLAGS	8		STRBEMCDetailEMCLEN	14	
STRBDETAILLLNM	8	10	STRBEMCDetailEQC	8	20
STRBDETAILNUMENTRIES	4		STRBEMCDetailFLAGS	8	
STRBDETAILSTG	8	20	STRBEMCDetailNUMENTRIES	4	
			STRBEMCDetailVALUE		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	0		STRBPARTENTRYDATA		
STRBENDRANGE	7C			24	20
STRBENTRY	0		STRBPOSRANGE	84	40
STRBENTRY_LEN		38	STRBRETCODEENVERR	28	C
STRBENTRYADJ@	28		STRBRETCODEFAIL	28	10
	18		STRBRETCODEMOREDATA	28	4
STRBENTRYADJREQ			STRBRETCODENODATA	28	8
STRBENTRYADJSERIALIZED	24	8	STRBRETCODESUCC	28	0
	24	40	STRBRSNCODEANSANOTLGE	28	4
STRBENTRYADJLEN			STRBRSNCODEINVALIDDRGE	28	18
STRBENTRYCNTL@	1C		STRBRSNCODENOATTRSTR	28	14
	0		STRBRSNCODENOFACDATA	28	C
STRBENTRYCNTLLEN	4		STRBRSNCODENOREADS	28	4
STRBENTRYEDATA@	8		STRBRSNCODENOSTOR	28	4
STRBENTRYEDATALEN			STRBRSNCODENOSTRDUMPID	28	8
STRBENTRYEDATALENLEFT2PROC	10		STRBRSNCODENOSTRNAME	28	4
	14		STRBRSNCODENOTMINSTOR	28	10
STRBENTRYEDATAREQ	24	10	STRBRSNCODESUCC	28	0
STRBENTRYEDATASERIALIZED	24	80	STRBSTARTRANGE	78	
STRBENTRYFLAGS			STRBSTRDETAIL	0	
STRBENTRYFLAGS2	24		STRBSTRDETAIL_LEN	38	3C
STRBENTRYONSCM	25		STRBSTRDETAILARB@	8	
STRBENTRYPOSVALUE	24	4	STRBSTRDETAILARBLASTRNGPROC	14	
STRBENTRYTOTALEDATALEN	20		STRBSTRDETAILARBLEN	C	
	C		STRBSTRDETAILARBNUMRANGES	10	
STRBFIRSTTABLEENTRY@	8		STRBSTRDETAILCNTL@	0	
STRBHEADER	0		STRBSTRDETAILCNTLLEN	4	
STRBHEADER_LEN	86	88	STRBSTRDETAILCONID	28	
STRBHEADERALL	84	80	STRBSTRDETAILCONNAME	18	
STRBHEADERCOC	84	10	STRBSTRDETAILCONNOTFOUND	2A	80
STRBHEADEREMC	85	10	STRBSTRDETAILDUPCON@	34	
STRBHEADEREQC	85	8	STRBSTRDETAILDUPCONLEN	38	
STRBHEADERFLAGS	84		STRBSTRDETAILEXTSTRCNTL@	3C	
STRBHEADERFLAGS2	85		STRBSTRDETAILEXTSTRCNTLLEN	40	
STRBHEADERRLNM	84	4	STRBSTRDETAILFLAGS	2A	
STRBHEADEROBJECTVALUE	80		STRBSTRDETAILSCC@	2C	
STRBHEADERSTG	84	8	STRBSTRDETAILSCCLEN	30	
STRBKEYPOSVALUE	25	80	STRBSTRDETAIL1	0	
STRBNUMTABLEENTRIES	0		STRBSTRDETAIL1_LEN		
STRBOBJRNGCOC	85	80			
STRBOBJRNGEMC	85	4			
STRBOBJRNGEQC	85	2			
STRBOBJRNGLNM	85	20			
STRBOBJRNGSTG	85	40			

IXLZSTRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STRBSTRINFO	40	44		86	1
STRBSTRSUMMARY	10		STRBTABLEENTRYSUMMARY	86	3
	0		STRBTABLEENTRYTYPE	C	
STRBSTRSUMMARY_LEN	64	68	STRBTAILORDPROB	84	20
STRBSTRSUMMARYCFLEVEL	64		STRBTAILPOSRANGE	84	2
STRBSTRSUMMARYCFNAME	38				
STRBSTRSUMMARYDUMPRSN	14				
STRBSTRSUMMARYFLAGS	60				
STRBSTRSUMMARYFLGCOMPLETE	60	80			
STRBSTRSUMMARYHDWIND	18				
STRBSTRSUMMARYINCIDENTTOKEN	40				
STRBSTRSUMMARYNAME	0				
STRBSTRSUMMARYREBLDDUPLEXSTR	60	8			
STRBSTRSUMMARYREBLDMETHODSTR	60	4			
STRBSTRSUMMARYREBLDNEWSTR	60	10			
STRBSTRSUMMARYREBLDOLDSTR	60	20			
STRBSTRSUMMARYSTRDUMPID	12				
STRBSTRSUMMARYSTRINREBLD	60	40			
STRBSTRSUMMARYTYPE	10				
STRBSTRTYPECACHE	28	4			
STRBSTRTYPELIST	28	3			
STRBSUMMARY	0				
STRBSUMMARY_LEN	8	C			
STRBSUMMARYCOC	4	40			
STRBSUMMARYCOMPLETE	4	80			
STRBSUMMARYEMC	4	8			
STRBSUMMARYFLAGS	4				
STRBSUMMARYLNM	4	10			
STRBSUMMARYSTG	4	20			
STRBSUMMARYVALUE	0				
STRBTABLEENTRYDETAIL	86	4			
STRBTABLEENTRYDLCCB	86	8			
STRBTABLEENTRYDLUCB	86	7			
STRBTABLEENTRYEMCDetail	86	9			
STRBTABLEENTRYENTRY	86	5			
STRBTABLEENTRYLEN	4				
STRBTABLEENTRYLOCK	86	6			
STRBTABLEENTRYSTRDETAIL	86	2			
STRBTABLEENTRYSTRSUMMARY					

IXZ\$XPL Information

IXZ\$XPL Programming Interface information

Programming Interface information

IXZ\$XPL

End of Programming Interface information

IXZ\$XPL Heading Information • IXZ\$XPL Map

IXZ\$XPL Heading Information

Common Name: JESXCF Exit parameter list
Macro ID: IXZ\$XPL
DSECT Name: IXZ\$XPL XIT01_INDICATOR XIT01_RESPONSE XIT01_XPL XIT02_INDICATOR XIT02_RESPONSE XIT02_XPL MSG_EXTENTS XIT03_INDICATOR XIT03_RESPONSE XIT03_XPL INSTALLATION_TABLE
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'Z\$XPL '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: Variable depending on the exit being called
Created by: Caller of the installation exit
Pointed to by: Register 1 (qualified by AR1) on entry to the installation exit
Serialization: None
Function: Provide parameter information to installation exits provided by the JESXCF component

IXZ\$XPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZ\$XPL	
0	(0)	CHARACTER	6	XPLEYE	IXZ\$XPL eyecatcher
6	(6)	BITSTRING	1	XPLVERS	IXZ\$XPL version
6	(6)	X'1'	0	XPLVERS_CURR	"XPLVERS_440" Current version
6	(6)	X'1'	0	XPLVERS_440	"1" Version for SP 5.1.0
7	(7)	BITSTRING	1	XPL_EXIT_VERS	Version number of the exit specific section of the IXZ\$XPL
8	(8)	CHARACTER	16	XPL_EXIT_NAME	The name of the exit being called
24	(18)	BITSTRING	1	XPL_ACTIVE_JES	The type of JES under which we are being being called (JES2 or JES3)
		1...		XPL_JES2	"X'80" Running under JES2
		.1..		XPL_JES3	"X'40" Running under JES3
25	(19)	BITSTRING	3	XPL_RSV1	Reserved for future development
28	(1C)	BITSTRING	8	XPL_INDICATOR	Indicator Flags
36	(24)	BITSTRING	8	XPL_RESPONSE	Response Flags
44	(2C)	ADDRESS	4	XPL_INSTALL_DATA	A Pointer to a queue of installation defined tables created in exit IXZXIT03
48	(30)	SIGNED	4	XPL_SIZE	The size of the IXZ\$XPL include the base, exit specific sections, and the message
52	(34)	SIGNED	4	XPL_BASE_SIZE	The run time length of the base section
52	(34)	X'38'	0	XPL_END_BASE	"" The end of the base section of the IXZ\$XPL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XIT01_INDICATOR	
0	(0)	BITSTRING	1	XIT01_INDICATORS	Environmental information passed to exit IXZXIT01
		1...		XIT01_SYSEVT	"X'80" Called for a system event message
		.1..		XIT01_ACK	"X'40" Called for an acknowledgement message
		..1.		XIT01_APPL	"X'20" Called for an application message

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XIT01_RESPONSE	
0	(0)	BITSTRING	1	XIT01_CHANGES	Indicate what changes have been made by the exit to the message
		1...		XIT01_DEST_UP	"X'80" The destination has been updated
		.1..		XIT01_SOURCE_UP	"X'40" The address of the originator of the message has been updated
		..1.		XIT01_MESSAGE_UP	"X'20" The message data has been updated
		...1		XIT01_EXTENTS	"X'10" The message extents have been added

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XIT01_XPL	
0	(0)	CHARACTER	40	XIT01_DESTINATION (0)	Destination information for the message
0	(0)	CHARACTER	8	XIT01_DXCFGROUP	The group name portion of the destination address
8	(8)	CHARACTER	16	XIT01_DXCFMEMBER	The member name portion of the destination address
24	(18)	CHARACTER	16	XIT01_DXCFMAILBOX	The mailbox name portion of the destination address
40	(28)	CHARACTER	40	XIT01_SENDER (0)	Origin information for the message
40	(28)	CHARACTER	8	XIT01_SXCFGROUP	The group name portion of the senders address
48	(30)	CHARACTER	16	XIT01_SXCFMEMBER	The member name portion of the senders address
64	(40)	CHARACTER	16	XIT01_SXCFMAILBOX	The mailbox name portion of the senders address
80	(50)	SIGNED	4	XIT01_MESSAGE_LEN	Length of the message data being sent
84	(54)	ADDRESS	4	XIT01_MESSAGE	Pointer to the message data being sent
88	(58)	SIGNED	4	XIT01_MESSAGE_UPLen	Updated length of the message data
92	(5C)	ADDRESS	4	XIT01_MESSAGE_UPADDR	Pointer to the update message data to be sent
96	(60)	SIGNED	4	XIT01_MAX_ADD	The maximum amount of data that can be added via extents or changed message length
100	(64)	ADDRESS	4	XIT01_NAME_EXTENTS	Pointer to Installation added message extents

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XIT02_INDICATOR	
0	(0)	BITSTRING	1	XIT02_INDICATORS	Environmental information passed to exit IXZXIT02
		1... ..		XIT02_SYSEVT	"X'80" Called for a system event message
		.1.. ..		XIT02_ACK	"X'40" Called for an acknowledgement message
		..1.		XIT02_APPL	"X'20" Called for an application message

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XIT02_RESPONSE	
0	(0)	BITSTRING	1	XIT02_CHANGES	Indicate what changes have been made by the exit to the message
		1... ..		XIT02_SOURCE_UP	"X'80" The address of the originator of the message has been updated
		.1.. ..		XIT02_MESSAGE_UP	"X'40" The message data has been updated

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XIT02_XPL	
0	(0)	CHARACTER	40	XIT02_DESTINATION (0)	Destination information for the message
0	(0)	CHARACTER	8	XIT02_DXCFGROUP	The group name portion of the destination address
8	(8)	CHARACTER	16	XIT02_DXCFMEMBER	The member name portion of the destination address
24	(18)	CHARACTER	16	XIT02_DXCFMAILBOX	The mailbox name portion of the destination address
40	(28)	CHARACTER	40	XIT02_SENDER (0)	Origin information for the message
40	(28)	CHARACTER	8	XIT02_SXCFGROUP	The group name portion of the senders address
48	(30)	CHARACTER	16	XIT02_SXCFMEMBER	

IXZ\$XPL Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
64	(40)	CHARACTER	16	XIT02_SXCFMAILBOX	The member name portion of the senders address	
80	(50)	SIGNED	4	XIT02_MESSAGE_LEN	The mailbox name portion of the senders address	
84	(54)	ADDRESS	4	XIT02_MESSAGE	Length of the message data being sent	
88	(58)	SIGNED	4	XIT02_MESSAGE_UPLen	Pointer to the message data being sent	
92	(5C)	ADDRESS	4	XIT02_MESSAGE_UPADDR	Updated length of the message data	
96	(60)	SIGNED	4	XIT02_MAX_ADD	Pointer to the update message data to be sent	
100	(64)	ADDRESS	4	XIT02_NAME_EXTENTS	The maximum amount of data that can be added via changed message lengths	
					Pointer to Installation added message extents	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	MSG_EXTENTS		
0	(0)	CHARACTER	8	MSG_EXTENT_NAME		
8	(8)	SIGNED	4	MSG_EXTENT_LEN	Name of the message extent	
12	(C)	ADDRESS	4	MSG_EXTENT	Length of the message extent including the header	
16	(10)	ADDRESS	4	NEXT_EXTENT	Address of the message extent	
16	(10)	X'14'	0	MSG_EXTENT_END	Address of the next message extent	
16	(10)	X'14'	0	LEN_MSG_EXTENT_MAP	"" End of the message extent mapping	
					"MSG_EXTENT_END-MSG_EXTENTS" Length of the message extent mapping	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	XIT03_INDICATOR		
0	(0)	BITSTRING	1	XIT03_INDICATORS		
		1... ..		XIT03_CONNECT	Environmental information passed to exit IXZXIT03	
		.1.. ..		XIT03_DISCONNECT	"X'80" Called as part of connect processing	
					"X'40" Called as part of disconnect processing	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	XIT03_RESPONSE		
0	(0)	BITSTRING	1	XIT03_CHANGED		
		1... ..		XIT03_INSTALL	Installation tables were added	
					"X'80" Installation tables were added	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	XIT03_XPL		
0	(0)	CHARACTER	8	XIT03_GROUP	The XCF group name of group being connected to or disconnected from	
8	(8)	CHARACTER	16	XIT03_MEMBER	The XCF member name of member being connected to or disconnected from	
24	(18)	ADDRESS	4	XIT03_INSTALLATION		
					A Pointer to a queue of installation defined tables that will be passed to exits IXZXIT01 and IXZXIT02	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	INSTALLATION_TABLE		
0	(0)	CHARACTER	8	INST_TAB_NAME		
8	(8)	SIGNED	4	INST_TAB_LEN	Name of the installation defined table	
12	(C)	ADDRESS	4	INST_TAB	Length of the installation defined table	
					Address of the installation defined table	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
16	(10)	ADDRESS	4	NEXT_INST_TAB	
16	(10)	X'14'	0	INST_TAB_END	Address of the next installation defined table
16	(10)	X'14'	0	LEN_INST_TAB_MAP	*** End of the installation table mapping
					"INST_TAB_END-INSTALLATION_TABLE" Length of the installation table mapping

IXZ\$XPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
INST_TAB	C		XIT01_SXCFGROUP	28	40404040
INST_TAB_END	10	14	XIT01_SXCMAILBOX	40	40404040
INST_TAB_LEN	8	0	XIT01_SXCFMEMBER	30	40404040
INST_TAB_NAME	0	40404040	XIT01_SYSEVT	0	80
INSTALLATION_TABLE	0		XIT01_XPL	0	
IXZ\$XPL	0		XIT02_ACK	0	40
LEN_INST_TAB_MAP	10	14	XIT02_APPL	0	20
LEN_MSG_EXTENT_MAP	10	14	XIT02_CHANGES	0	0
MSG_EXTENT	C		XIT02_DESTINATION	0	
MSG_EXTENT_END	10	14	XIT02_DXCFGROUP	0	40404040
MSG_EXTENT_LEN	8	0	XIT02_DXCFMAILBOX	18	40404040
MSG_EXTENT_NAME	0	40404040	XIT02_DXCFMEMBER	8	40404040
MSG_EXTENTS	0		XIT02_INDICATOR	0	
NEXT_EXTENT	10		XIT02_INDICATORS	0	0
NEXT_INST_TAB	10		XIT02_MAX_ADD	60	0
XIT01_ACK	0	40	XIT02_MESSAGE	54	
XIT01_APPL	0	20	XIT02_MESSAGE_LEN	50	0
XIT01_CHANGES	0	0	XIT02_MESSAGE_UP	0	40
XIT01_DEST_UP	0	80	XIT02_MESSAGE_UPADDR	5C	
XIT01_DESTINATION	0		XIT02_MESSAGE_UPLN	58	0
XIT01_DXCFGROUP	0	40404040	XIT02_NAME_EXTENTS	64	
XIT01_DXCFMAILBOX	18	40404040	XIT02_RESPONSE	0	
XIT01_DXCFMEMBER	8	40404040	XIT02_SENDER	28	
XIT01_EXTENTS	0	10	XIT02_SOURCE_UP	0	80
XIT01_INDICATOR	0		XIT02_SXCFGROUP	28	40404040
XIT01_INDICATORS	0	0	XIT02_SXCMAILBOX	40	40404040
XIT01_MAX_ADD	60	0	XIT02_SXCFMEMBER	30	40404040
XIT01_MESSAGE	54		XIT02_SYSEVT	0	80
XIT01_MESSAGE_LEN	50	0	XIT02_XPL	0	
XIT01_MESSAGE_UP	0	20	XIT03_CHANGED	0	0
XIT01_MESSAGE_UPADDR	5C		XIT03_CONNECT	0	80
XIT01_MESSAGE_UPLN	58	0	XIT03_DISCONNECT	0	40
XIT01_NAME_EXTENTS	64		XIT03_GROUP	0	40404040
XIT01_RESPONSE	0		XIT03_INDICATOR	0	
XIT01_SENDER	28		XIT03_INDICATORS	0	0
XIT01_SOURCE_UP	0	40			

IXZ\$XPL Cross Reference

Name	Hex Offset	Hex Value
XIT03_INSTALL	0	80
XIT03_INSTALLATION	18	
XIT03_MEMBER	8	40404040
XIT03_RESPONSE	0	
XIT03_XPL	0	
XPL_ACTIVE_JES	18	0
XPL_BASE_SIZE	34	0
XPL_END_BASE	34	38
XPL_EXIT_NAME	8	40404040
XPL_EXIT_VERS	7	1
XPL_INDICATOR	1C	0
XPL_INSTALL_DATA	2C	
XPL_JES2	18	80
XPL_JES3	18	40
XPL_RESPONSE	24	0
XPL_RSV1	19	0
XPL_SIZE	30	0
XPLEYE	0	E95BE7D7
XPLVERS	6	1
XPLVERS_CURR	6	1
XPLVERS_440	6	1

IXZYIXAC Information

IXZYIXAC Programming Interface information

Programming Interface information

IXZYIXAC

End of Programming Interface information

IXZYIXAC Heading Information • IXZYIXAC Cross Reference

IXZYIXAC Heading Information

Common Name: JESXCF Acknowledgement message
Macro ID: IXZYIXAC
DSECT Name: IXZYIXAC
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'YIXAC '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: See YIXAC_LENGTH
Created by: JESXCF component in response to IXZXIXAC macro
Pointed to by: Returned to the caller of the IXZXIXRM macro
Serialization: None
Function: Provides acknowledgement information on delivery of messages issued via the IXZXIXSM macro service.

IXZYIXAC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZYIXAC	JES XCF Acknowledgement message
0	(0)	CHARACTER	6	YIXACEYE	Control block eyecatcher
6	(6)	BITSTRING	1	YIXACVER	Control block version
6	(6)	X'1'	0	IXACCURR	"IXAC510" Current version
6	(6)	X'1'	0	IXAC510	"1" Version for HBB5510
7	(7)	BITSTRING	1	YIXAC_FLAG1	Flag byte 1
		1...		RC_PROVIDED	"X'80" The receiving routine provided return code information
8	(8)	CHARACTER	8	YIXAC_REQ_TOKEN	Request token for the message that this acknowledgement is for
16	(10)	SIGNED	4	YIXAC_APPL_RETURN_CODE	Return code information returned by the receiving routine
20	(14)	CHARACTER	8	YIXAC_TIME_SENT	Time that the message was sent by the sending routine (Store Clock format)
28	(1C)	CHARACTER	8	YIXAC_TIME_ACK	Time that the message was acknowledged (Store Clock)
36	(24)	SIGNED	2	YIXAC_APPL_DLEN	Length of the data returned to the sender via the IXZXIXAC macro
38	(26)	SIGNED	2	YIXAC_APPL_DATA	Offset from the start of the IXZYIXAC mapping to the data returned to the sender via the IXZXIXAC macro
38	(26)	X'28'	0	YIXAC_END	*** End of IXZYIXAC mapping
38	(26)	X'28'	0	YIXAC_LENGTH	"YIXAC_END-IXZYIXAC" Length of IXZYIXAC mapping

IXZYIXAC Cross Reference

Name	Hex Offset	Hex Value
IXACCURR	6	1
IXAC510	6	1
IXZYIXAC	0	
RC_PROVIDED	7	80
YIXAC_APPL_DATA		
YIXAC_APPL_DLEN	26	0
YIXAC_APPL_RETURN_CODE		
YIXAC_END	24	0
YIXAC_FLAG1	10	0
YIXAC_LENGTH	26	28
YIXAC_REQ_TOKEN		
YIXAC_TIME_ACK	8	40404040
YIXAC_TIME_SENT	1C	40404040
YIXACEYE	14	40404040
YIXACVER	0	E8C9E7C1
	6	0

IXZYIXEN Information

IXZYIXEN Programming Interface information

Programming Interface information

IXZYIXEN

End of Programming Interface information

IXZYIXEN Heading Information • IXZYIXEN Map

IXZYIXEN Heading Information

Common Name: JESXCF Message Envelope
Macro ID: IXZYIXEN
DSECT Name: IXZYIXEN
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'YIXEN '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: 116 Bytes
Created by: JESXCF component based upon input from the IXZXISM macro
Pointed to by: Returned by the IXZXIRM macro service
Serialization: None
Function: Provide header and control information about messages being sent between JES software components

IXZYIXEN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZYIXEN	JES XCF Message Envelope
0	(0)	CHARACTER	6	YIXENEYE	Control block eyecatcher
6	(6)	BITSTRING	1	YIXENVER	Control block version
6	(6)	X'1'	0	IXENCURR	"IXEN510" Current version
6	(6)	X'1'	0	IXEN510	"1" Version for HBB5510
7	(7)	BITSTRING	1	YIXEN_FLAG1	Flag byte
		1... ..		RESENT_DUE_TO_IPL	"X'80" Message has been resent to the receiving system, because the receiving system was re-IPLed
		.1.. ..		MESSAGE_REROUTED	"X'40" Message has been rerouted by the IXZXIRR service
		..1.		MESSAGE_RESIDUAL	"X'20" Message was present in the mailbox when the attacher disconnected
		...1		MESSAGE_RECEIVED	"X'10" Message has been received
		.... 1...		MESSAGE_CHECKPOINTED	"X'08" Message has been checkpointed
8	(8)	SIGNED	4	YIXEN_JESXCF_MAINT_LVL	Maintaince level of the JESXCF component
12	(C)	SIGNED	4	YIXEN_MESSAGE_SEQ	Message sequence number
16	(10)	CHARACTER	40	SENDING_ADDRESS (0)	Address of the receiver of the message
16	(10)	CHARACTER	8	SENDING_GROUP	Group name of the receiver
24	(18)	CHARACTER	16	SENDING_MEMBER	Member name of the receiver
40	(28)	CHARACTER	16	SENDING_MAILBOX	Mailbox name of the receiver
56	(38)	CHARACTER	40	RETURN_ADDRESS (0)	Address of the sender of the message
56	(38)	CHARACTER	8	RETURN_GROUP	Group name of the sender
64	(40)	CHARACTER	16	RETURN_MEMBER	Member name of the sender
80	(50)	CHARACTER	16	RETURN_MAILBOX	Mailbox name of the sender
96	(60)	BITSTRING	1	REQTYPE	Type of message request
		1... ..		SYNC_TYPE	"X'80" Synchronous message
		.1..		ASYNCTYPE	"X'40" Asynchronous message that does not return an acknowledgement message to the sender
		..1.		ASYNACK_TYPE	"X'20" Asynchronous message that returns an acknowledgement message to the sender
		...1		COMM_TYPE	"X'10" Asynchronous message that will not be resent to the receiver if the receiving system re-IPLs. No acknowledgement will be sent to the sender of the message
		.... 1...		ACKMSG_TYPE	"X'08" Acknowledgement message
97	(61)	BITSTRING	1	REQTYPE2	Reserved for development
98	(62)	BITSTRING	1	SEGTYPE	Type of message segment

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1... ..		FIRST_SEGMENT	"X'80" First segment of a multi- segmented message
		.1.. ..		MIDDLE_SEGMENT	"X'40" Middle segment of a multi- segmented message
		..1.		LAST_SEGMENT	"X'20" Last segment of a multi- segmented message
		...1		SINGLE_SEGMENT	"X'10" Single segmented message
		.... 1...		ABORT_SEGMENT	"X'08" Last segment of a multi- segmented message because the message has been aborted
99	(63)	BITSTRING	1	SEGTYPE2	Reserved for development
100	(64)	BITSTRING	1	MESSAGE_CONTENT	Content of the message
		1... ..		SYSTEM_EVENT	"X'80" A system event
		.1.. ..		ACK_MESSAGE	"X'40" An acknowledgement message
		..1.		APPL_MESSAGE	"X'20" Application message
101	(65)	BITSTRING	1	MESSAGE_CONTENT2	Reserved for development
102	(66)	SIGNED	2	LENGTH_OF_MESSAGE	Length of the message not including the envelope this is an unsigned variable with a range of 0 - 64K
104	(68)	SIGNED	2	MESSAGE_OFFSET	Offset from the start of the envelope to the message data this is an unsigned variable with a range of 0 - 64K
106	(6A)	BITSTRING	1	YIXEN_MSGATTR	Message attribute flags
		1... ..		J3CONNECT	"X'80" This is a JES3 Connect message
		.1.. ..		EXPRESS	"X'40" This is a JES3 Express message
107	(6B)	BITSTRING	1	YIXEN_RSV1	Reserved for development
108	(6C)	SIGNED	4	SYSTEM_RETURN_CODE	System return code
112	(70)	SIGNED	4	SYSTEM_REASON_CODE	System reason code

IXZYIXEN Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ABORT_SEGMENT	62	8	REQTYPE	60	0
ACK_MESSAGE	64	40	REQTYPE2	61	0
ACKMSG_TYPE	60	8	RESENT_DUE_TO_IPL	7	80
APPL_MESSAGE	64	20	RETURN_ADDRESS	38	
ASYNCTYPE	60	40	RETURN_GROUP	38	40404040
ASYNACK_TYPE	60	20	RETURN_MAILBOX	50	40404040
COMM_TYPE	60	10	RETURN_MEMBER	40	40404040
EXPRESS	6A	40	SEGTYPE	62	0
FIRST_SEGMENT	62	80	SEGTYPE2	63	0
IXENCURR	6	1	SENDING_ADDRESS	10	
IXEN510	6	1	SENDING_GROUP	10	40404040
IXZYIXEN	0		SENDING_MAILBOX	28	40404040
J3CONNECT	6A	80	SENDING_MEMBER	18	40404040
LAST_SEGMENT	62	20	SINGLE_SEGMENT	62	10
LENGTH_OF_MESSAGE	66	0	SYNC_TYPE	60	80
MESSAGE_CHECKPOINTED	7	8	SYSTEM_EVENT	64	80
MESSAGE_CONTENT	64	0	SYSTEM_REASON_CODE	70	0
MESSAGE_CONTENT2	65	0	SYSTEM_RETURN_CODE	6C	0
MESSAGE_OFFSET	68	0	YIXEN_FLAG1	7	0
MESSAGE_RECEIVED	7	10	YIXEN_JESXCF_MAINT_LVL	8	0
MESSAGE_REROUTED	7	40	YIXEN_MESSAGE_SEQ	C	0
MESSAGE_RESIDUAL	7	20	YIXEN_MSGATTR		
MIDDLE_SEGMENT	62	40			

IXZYIXEN Cross Reference

Name	Hex Offset	Hex Value
	6A	0
YIXEN_RSV1	6B	0
YIXENEYE	0	E8C9E7C5
YIXENVER	6	0

IXZYIXIF Information

IXZYIXIF Programming Interface information

Programming Interface information

IXZYIXIF

End of Programming Interface information

IXZYIXIF Heading Information • IXZYIXIF Map

IXZYIXIF Heading Information

Common Name: JESXCF Information list entry
Macro ID: IXZYIXIF
DSECT Name: IXZYIXIF
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'YIXIF '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: See YIXIF_LENGTH
Created by: JESXCF component in response a IXZIXIF macro call
Pointed to by: Returned by IXZIXIRM
Serialization: None
Function: Provide information to the users of the JESXCF about the JES and XCF connections.

IXZYIXIF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZYIXIF	JES XCF Member information record
0	(0)	CHARACTER	6	YIXIFEYE	Control block eyecatcher
6	(6)	BITSTRING	1	YIXIFVER	Control block version
6	(6)	X'1'	0	IXIFCURR	"IXIF510" Current version
6	(6)	X'1'	0	IXIF510	"1" Version for HBB5510
7	(7)	BITSTRING	1	YIXIF_FLAG1	Flag byte 1
		1...		YIXIF_JES2	"X'80" The JES member is running JES2
		.1..		YIXIF_JES3	"X'40" The JES member is running JES3
		..1.		YIXIF_UNKNOWN	"X'20" Member is not attached via JESXCF
8	(8)	SIGNED	2	YIXIF_LEN	Length of this element of the array
10	(A)	SIGNED	2	YIXIF_OFFSET	Offset from the beginning of this element of the array to the next element. This is zero if this is the last element of the array
12	(C)	BITSTRING	8	YIXIF_REQ_TOKEN	Request token for that was returned to the caller of the IXZIXIF service
20	(14)	CHARACTER	8	YIXIF_F MID	The release level of the JES product
28	(1C)	SIGNED	4	YIXIF_MAINT_LVL	JESXCF maintenance level
32	(20)	CHARACTER	8	YIXIF_GROUP	XCF Group name
40	(28)	CHARACTER	16	YIXIF_MEMBER	XCF Member name
56	(38)	CHARACTER	8	YIXIF_SYSNAME	MVS System name that the JES is running on
64	(40)	CHARACTER	32	YIXIF_USTATE	User state information Set by IXZIXIUS macro service
96	(60)	BITSTRING	8	YIXIF_MEMBER_TOKEN	XCF Member token
104	(68)	BITSTRING	8	YIXIF_SYSPLEX_TOKEN	XCF Sysplex token
112	(70)	BITSTRING	1	YIXIF_MEMBER_STATUS	Member Status
		1...		YIXIF_ACTIVE	"X'80" Member is active, connection between JESXCF address space and JES address space is functioning
		.1..		YIXIF_NO_JESXCF	"X'40" MVS XCF state of the member is active but the connection between JESXCF address space and JES address space is not functioning, probable cause is JES abend.
		..1.		YIXIF_NOT_ACTIVE	"X'20" Both MVS XCF status and JESXCF connection status indicates that the member is not active
113	(71)	BITSTRING	3	YIXIF_RESERVED1	Reserved for development
116	(74)	SIGNED	4	YIXIF_SYSTEM_TOKEN	XCF System token
120	(78)	CHARACTER	4	YIXIF_SSNAME	Subsystem interface name
120	(78)	X'7C'	0	YIXIF_END	*** End of the IXZYIXIF mapping
120	(78)	X'7C'	0	YIXIF_LENGTH	"YIXIF_END-IXZYIXIF" Length of the IXZYIXIF mapping

IXZYIXIF Cross Reference

Name	Hex Offset	Hex Value
IXIFCURR	6	1
IXIF510	6	1
IXZYIXIF	0	
YIXIF_ACTIVE	70	80
YIXIF_END	78	7C
YIXIF_FLAG1	7	0
YIXIF_FMID	14	40404040
YIXIF_GROUP	20	40404040
YIXIF_JES2	7	80
YIXIF_JES3	7	40
YIXIF_LEN	8	0
YIXIF_LENGTH	78	7C
YIXIF_MAINT_LVL		
	1C	0
YIXIF_MEMBER	28	40404040
YIXIF_MEMBER_STATUS		
	70	0
YIXIF_MEMBER_TOKEN		
	60	0
YIXIF_NO_JESXCF		
	70	40
YIXIF_NOT_ACTIVE		
	70	20
YIXIF_OFFSET	A	0
YIXIF_REQ_TOKEN		
	C	0
YIXIF_RESERVED1		
	71	0
YIXIF_SSINAME		
	78	40404040
YIXIF_SYSNAME		
	38	40404040
YIXIF_SYSPLEX_TOKEN		
	68	0
YIXIF_SYSTEM_TOKEN		
	74	0
YIXIF_UNKNOWN		
	7	20
YIXIF_USTATE	40	40404040
YIXIFEYE	0	E8C9E7C9
YIXIFVER	6	0

IXZYIXJE Information

IXZYIXJE Programming Interface information

Programming Interface information

IXZYIXJE

End of Programming Interface information

IXZYIXJE Heading Information • IXZYIXJE Cross Reference

IXZYIXJE Heading Information

Common Name: JESXCF Event notification
Macro ID: IXZYIXJE
DSECT Name: IXZYIXJE
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'YIXJE '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: 41 bytes
Created by: JESXCF subcomponent
Pointed to by: YIXSE_OFFSET in a system event envelope
Serialization: None
Function: Provide notification of events that the JESXCF address space has detected. Such as:
 1) Termination of the connection between JESXCF and the JES address space

IXZYIXJE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZYIXJE	Post exit parameter list
0	(0)	CHARACTER	6	YIXJEEYE	Eyecatcher, must be set to YIXJE
6	(6)	BITSTRING	1	YIXJEVER	Parameter list version indicator
6	(6)	X'1'	0	IXJECURR	"IXJE510" Current version
6	(6)	X'1'	0	IXJE510	"1"
7	(7)	BITSTRING	1	YIXJERSV	Reserved
8	(8)	BITSTRING	1	YIXJE_TYPE	Event type
		1...		YIXJE_CONNTERM	
9	(9)	CHARACTER	8	YIXJE_GROUP	"X'80" Connection between JESXCF and specified JES terminated
17	(11)	CHARACTER	16	YIXJE_MEMBER	Group name of the member whose connection terminated
33	(21)	BITSTRING	8	YIXJE_REQTOKEN	Member name of the member whose connection terminated
					The request token for the message that timed out

IXZYIXJE Cross Reference

Name	Hex Offset	Hex Value
IXJECURR	6	1
IXJE510	6	1
IXZYIXJE	0	
YIXJE_CONNTERM	8	80
YIXJE_GROUP	9	40404040
YIXJE_MEMBER	11	40404040
YIXJE_REQTOKEN	21	0
YIXJE_TYPE	8	
YIXJEEYE	0	E8C9E7D1
YIXJERSV	7	0
YIXJEVER	6	0

IXZYIXPE Information

IXZYIXPE Programming Interface information

Programming Interface information

IXZYIXPE

End of Programming Interface information

IXZYIXPE Heading Information • IXZYIXPE Cross Reference

IXZYIXPE Heading Information

Common Name: JESXCF Post exit parameter list
Macro ID: IXZYIXPE
DSECT Name: IXZYIXPE
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'YIXPE '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: 56 bytes
Created by: Caller of the post exit
Pointed to by: Register 1 points to a word that points to the IXZYIXPE parameters
Serialization: None
Function: Provide parameter information to a JESXCF post exit.

IXZYIXPE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZYIXPE	Post exit parameter list
0	(0)	CHARACTER	6	YIXPEEYE	Eyecatcher, must be set to YIXPE
6	(6)	BITSTRING	1	YIXPEVER	Parameter list version indicator
6	(6)	X'1'	0	IXPECURR	"IXPE510" Current version
6	(6)	X'1'	0	IXPE510	"1"
7	(7)	BITSTRING	1	YIXPRERS	Reserved
8	(8)	CHARACTER	40	YIXPE_POSTED_ADDRESS (0)	Address of the mailbox that the post routine is being called for
8	(8)	CHARACTER	8	YIXPE_GROUP	Group name of the mailbox
16	(10)	CHARACTER	16	YIXPE_MEMBER	Member name of the mailbox
32	(20)	CHARACTER	16	YIXPE_MAILBOX	Mailbox name part of the address
48	(30)	ADDRESS	4	YIXPE_POSTDATA	Address of the POSTDATA area defined when the mailbox is created
52	(34)	BITSTRING	4	YIXPE_POSTDATA_ALET	ALET that can be used to qualify the POSTDATA area that was created when the mailbox was created

IXZYIXPE Cross Reference

Name	Hex Offset	Hex Value
IXPECURR	6	1
IXPE510	6	1
IXZYIXPE	0	
YIXPE_GROUP	8	40404040
YIXPE_MAILBOX		
	20	40404040
YIXPE_MEMBER	10	40404040
YIXPE_POSTDATA		
	30	
YIXPE_POSTDATA_ALET		
	34	0
YIXPE_POSTED_ADDRESS		
	8	
YIXPEEYE	0	E8C9E7D7
YIXPEVER	6	0
YIXPRERS	7	0

IXZYIXSE Information

IXZYIXSE Programming Interface information

Programming Interface information

IXZYIXSE

End of Programming Interface information

IXZYIXSE Heading Information • IXZYIXSE Cross Reference

IXZYIXSE Heading Information

Common Name: JESXCF System Event Message
Macro ID: IXZYIXSE
DSECT Name: IXZYIXSE
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: 'YIXSE '
 Offset: 0
 Length: 6
Storage Attributes: Subpool: N/A
 Key: 1
Size: 10 bytes
Created by: JESXCF component as a result of the XCF system event SRB exit being driven
Pointed to by: Address returned as a message by the IXZXIXRM macro service
Serialization: None
Function: Provide JES Dispatchable Units access to system event information

IXZYIXSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IXZYIXSE	JES XCF System event message
0	(0)	CHARACTER	6	YIXSEEYE	Eyecatcher
6	(6)	BITSTRING	1	YIXSEVER	Control block version
6	(6)	X'1'	0	IXSECURR	"IXSE510" Current version
6	(6)	X'1'	0	IXSE510	"1" Version for HBB5510
7	(7)	BITSTRING	1	YIXSE_TYPE	Type of system event
		1... ..		YIXSE_SYSEVENT	"X'80" System event is being processed the message data is mapped by IXCYGEPL
		..1.		YIXSE_JESEVENT	"X'20" Message is a notification of an event detected by the JESXCF address space. The message data is mapped by IXZYIXJE.
		...1		YIXSE_INFO	"X'10" Response to a request for member information. The message data is mapped by IXZYIXIF.
8	(8)	SIGNED	2	YIXSE_OFFSET	Offset from the start of the IXZYIXSE mapping to the message data. Use YIXSE_TYPE to determine the type of mapping to be applied to the message data.

IXZYIXSE Cross Reference

Name	Hex Offset	Hex Value
IXSECURR	6	1
IXSE510	6	1
IXZYIXSE	0	
YIXSE_INFO	7	10
YIXSE_JESEVENT	7	20
YIXSE_OFFSET	8	0
YIXSE_SYSEVENT	7	80
YIXSE_TYPE	7	0
YIXSEEYE	0	E8C9E7E2
YIXSEVER	6	0

IXZYPIDS Information

IXZYPIDS Programming Interface information

Programming Interface information

IXZYPIDS

End of Programming Interface information

IXZYPIDS Heading Information • IXZYPIDS Map

IXZYPIDS Heading Information

Common Name: JESXCF Performance Information Data Stream
Macro ID: IXZYPIDS
DSECT Name: IXZYPIDS
Owning Component: JESXCF (SCJSC)
Eye-Catcher ID: N/A
 Offset: N/A
 Length: N/A
Storage Attributes: Subpool: N/A
 Key: 1
Size: Variable
Created by: JESXCF component as a result of a IXZXIXPI macro invocation
Pointed to by: Address is maintained by the caller of the IXZXIXPI service
Serialization: None
Function: Provide delay information for a JES3 environment

IXZYPIDS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
		.... ..1		PIDS_BEGIN	"X'0001" Key that indicates the start of the data stream
		.... ..1.		PIDS_JES_ASID	"X'0002" Key indicates the JES ASID
		.... ..11		PIDS_NUM_DELAY	"X'0003" Key indicates the number of delays
		.... ..1..		PIDS_DELAY	"X'0004" Key indicates the start of a delay entry
		.... ..1.1		PIDS_REQ_ASID	"X'0005" Key indicates the requesters ASID
		.... ..11.		PIDS_REQ_TYPE	"X'0006" Key indicates the request type
		.... ..111		PIDS_REQ_SUBTYPE	"X'0007" Key indicates the request subtype

JCT Information

JCT Heading Information

Common Name: Job Control Table
Macro ID: IEFAJCTB
DSECT Name: INJMJCT, IEFAACTB
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: 'JCT '
 Offset: -4 (SWA prefix)
 Length: 4 bytes
Storage Attributes: Subpool: 236 or 237 (SWA), or 241 (MSTR)
 Key: 1
 Residency: Below 16 MB in virtual storage
Size: 352 bytes - 176 bytes for IEFAJCTB
 Frequency: One per job
Created by: The Interpreter
Pointed to by: - JSCBJCTA field (SVA) of the JSCB data area
 - SWBUFPTTR field in IEFZB506 upon return from IEFQMREQ macro (Preferred method of SVA translation)
 - SWBLKPTR field in IEFZB505 upon return from SWAREQ macro
Serialization: None required
Function: IEFAJCTB contains job status information and pointers to other data areas used by the initiator. IEFAACTB contains job accounting information and is contained in this mapping.

JCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	(0)	
0	(0)	X'0'	0	INJMJCT	***
0	(0)	CHARACTER	3	JCTDSKAD	SVA OF THIS JCT
3	(3)	CHARACTER	1	JCTIDENT	JCT ID = 0
3	(3)	X'0'	0	JCTID	"0"
4	(4)	CHARACTER	1	JCTJSRNO	INTERNAL JOB SERIAL NUMBER
5	(5)	CHARACTER	1	JCTJLBS (0)	JOBLIB SWITCH BITS 0-3
5	(5)	CHARACTER	1	JCTJSTAT	JOB STATUS INDICATORS
5	(5)	X'20'	0	JCTJSTPC	"32" BIT-2/JOB STEP CANCELLED BY CONDITION CODES
5	(5)	X'8'	0	JCTABEND	"8" BIT 4 - JCT ABEND BIT HW16
5	(5)	X'4'	0	INCMSTS	"4" BIT-5/JOB FAILED BIT BIT 5 = 1 JOB FAILED BIT 6 = 0 GO JOB
5	(5)	X'2'	0	INDMCTLG	"2" BIT 6 = 1 CATALOG JOB
5	(5)	X'2'	0	INCMCAT	"2" BIT-6/CATALOG BIT
5	(5)	X'1'	0	INCMNSET	"1" BIT7/RESERVED
6	(6)	CHARACTER	1	JCTJMGPO	MESSAGE CLASS
7	(7)	CHARACTER	1	JCTJBYTE (0)	MSGLEVEL & PRIORITY
7	(7)	CHARACTER	1	JCTJMGLV (0)	4 BITS FOR MESSAGE LEVEL, SET BY IEFVJA
7	(7)	X'10'	0	INCMML1	"16" JCL MESSAGE LEVEL=1 BIT I68
7	(7)	X'20'	0	INCMML2	"32" JCL MESSAGE LEVEL=2 BIT I68
7	(7)	X'80'	0	INCMALL	"128" ALLOCATION MESSAGE LEVEL=1 BIT I68
7	(7)	CHARACTER	1	JCTJPRTY	4 BITS FOR JOB PRIORITY
8	(8)	CHARACTER	8	JCTJNAME	JOBNAME
16	(10)	CHARACTER	8	JCTJTPTN	T/P TERMINAL NAME
24	(18)	CHARACTER	4	JCTPDIP	PDI CORE POINTER Y02670
28	(1C)	CHARACTER	3	JCTGDGNT	GDG NAME TABLE Y02670
31	(1F)	CHARACTER	1	JCTJCSMF	JOB CLASS SPECS FOR SMF Y02668 TERMINATION ROUTINES Y02668
32	(20)	CHARACTER	4	JCTSDKAD	SVA OF FIRST SCT
36	(24)	CHARACTER	3	JCTJCTX	SVA OF JCTX
39	(27)	CHARACTER	1		RESERVED
40	(28)	CHARACTER	4	JCTACTAD	SVA OF FIRST ACT
44	(2C)	CHARACTER	8	JCTSMRBA	RBA SYSTEM MSG D.S. Y02641
52	(34)	CHARACTER	1	JCTSTCT	STEP NO. OF FAILING STEP Y02641
53	(35)	CHARACTER	1	JCTFLGS1	JCT flags byte
		1... ..		JCTTDSFU	"X'80" TEMPDSFORMAT bit, set by IEFVJA when IEFZB445's DEFTDSFU is on indicating SYSTEM TEMPDSFORMAT is UNIQUE. Read by IEFVDA,IEFDB414 and IEFAB452.
		.1.		JCTRCMAX	"X'40" JOBR=MAXRC specified on jobcard
		..1.		JCTRCLST	"X'20" JOBR=LASTRC specified on jobcard
		...1		JCTRCSTP	"X'10" JOBR=STEP specified on jobcard
		.... 1...		JCTDSENQ	"X'08" DSENQSHR function is active

JCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		JCTDSESA	"X'04" DSENGSHR JCL ALLOW
		.... ..1.		JCTDSESD	"X'02" DSENGSHR JCL DISALLOW NOTE: if neither JCTDSESA nor JCTDSESD are ON, then USEJC is behavior. This behavior is the default for all levels, however, the JOBCLASS attribute on lower levels is always DISALLOW, so the JCL specification doesn't matter, the function will be disabled.
54	(36)	CHARACTER	1	JCTCCODE (0)	CONDITION CODES AND OPERATORS
54	(36)	CHARACTER	2	JCTJDPCD	DEPENDENCY CODE
56	(38)	CHARACTER	2	JCTJDPOP	DEPENDENCY OPERATOR
58	(3A)	CHARACTER	28		ROOM FOR 7 MORE DEPS
86	(56)	CHARACTER	1	JCTRSW1	CHECKPOINT/RESTART SWITCHES
86	(56)	X'80'	0	JCTWARMS	"128" BIT0 - WARM START
86	(56)	X'40'	0	JCTSTERM	"64" STEP TERMINATION HAS BEGUN (PCP WARM START ONLY)AACAA
86	(56)	X'20'	0	JCTCONTR	"32" BIT 2 - JOB IS ELIGIBLE FOR CONTINUE RESTART Y02641 PROCESSING
86	(56)	X'10'	0	JCTCKFT	"16" BIT 3 - CHECKPOINT TAKEN FOR THIS STEP
86	(56)	X'8'	0	JCTCKPTR	"8" BIT 4 - CHECKPOINT RESTART (INTRA-STEP) TO BE DONE
86	(56)	X'4'	0	JCTSTEPR	"4" BIT 5 - STEP RESTART TO BE DONE

Comment

BITS 6AND 7 MUST BE ZERO

End of Comment

87	(57)	CHARACTER	1	JCTRSW2	CHECKPOINT/RESTART SWITCHES
87	(57)	X'80'	0	JCTSYSCK	"128" BIT 0 - SYSCHK DD STATEMENT PRESENT
87	(57)	X'40'	0	JCTNARST	"64" BIT 1 - JOB INELIGIBLE FOR AUTOMATIC RESTART Y02641
87	(57)	X'20'	0	JCTNORST	"32" BIT 2 - NO RESTART TO BE DONE
87	(57)	X'10'	0	JCTNOCKP	"16" BIT 3 - NO CHECKPOINTS TO BE TAKEN
87	(57)	X'8'	0	JCTRESTT	"8" BIT 4 - DO RESTART IF NECESSARY
87	(57)	X'4'	0	JCTDSOCR	"4" BIT 5- RESERVED M2344
87	(57)	X'2'	0	JCTSUBSR	"2" BIT 6- Subsystem requested continue restart
87	(57)	X'1'	0	JCTDSDRA	"1" BIT 7- DSDR processing has not successfully ended

Comment

IN ORDER TO IMPLEMENT MVT IT HAS BEEN NECESSARY TO ADD THE FOLLOWING FIELDS TO THE JCT. TO AVOID CAUSING ERRORS IN THE CASE OF THE REASSEMBLING OF ALREADY EXISTING MODULES WHICH REFERENCE THESE FIELDS, THEY ARE GENERATED HERE ONLY AS COMMENTS CARDS. NOTE THAT DUE TO THE FACT THAT THIS MACRO GENERATES THE ACT IMMEDIATELY AFTER THE JCT, IT IS NOT POSSIBLE TO REFERENCE THESE FIELDS BY CODING THEM AFTER THE MACRO. FOR NOW THEY MUST BE REFERENCED BY DISPLACEMENT (WHICH IS GIVEN BELOW), PREFERABLY THROUGH THE USE OF EQUATES AND THE SYMBOLS BELOW. NOTE ALSO THAT THIS MACRO IS NOT VALID FOR REFERENCING THE ACT UNTIL THESE NEW FIELDS HAVE ACTUALLY BEEN INCORPORATED.

JCTDETD DS CL4 SVA OF DSENG TABLE
(DISPLACEMENT = 88 (DECIMAL))
JCTEQREG DS CL2 REGION PARAMETER (BINARY)
(DISPLACEMENT = 92 (DECIMAL))

End of Comment

88	(58)	CHARACTER	1	(6)	ROOM FOR THE ABOVE
94	(5E)	CHARACTER	1	JCTQIDNT	IDENTITY OF Q FOR JOB (MVT ONLY)
95	(5F)	CHARACTER	1	JCTSNUMB	NUMBER OF STEPS RUN (MVT ONLY)
96	(60)	SIGNED	4	JCTSTIOT	SVA OF COMPRESSED TIOT (MVT ONLY)

Comment

IN PCP-C/R SAVE OF SCATALLY BY IEFRAPCP AACAA

End of Comment

100	(64)	SIGNED	4	JCTDEVT	DEVICE TYPE OF CHECKPOINT DATA SET
104	(68)	CHARACTER	1	JCTCKTTR (3)	SVA OF JFCB FOR CHECKPOINT DATA SET
107	(6B)	CHARACTER	1	JCTNTRK	NUMBER OF TRACKS ON SYS1.JOBQE USED BY PTM258 THE JOB -SET AND USED BY THE INIT./TERM. PTM258
108	(6C)	SIGNED	2	JCTNRCKP	NUMBER OF CHECKPOINTS TAKEN
110	(6E)	CHARACTER	1	JCTVOLSQ	VOLUME SEQUENCE NUMBER FOR CHECKPOINT DATA SET
111	(6F)	CHARACTER	1	JCTJSB	JOB STATUS SWITCHES Y02641
111	(6F)	X'40'	0	JCTJ3RUN	"64" When on, JES3 is running in this address space
111	(6F)	X'20'	0	JCTJ3UAF	"32" When on, JES3 version supports call to SMS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
UNITAFF SSI					
End of Comment					
111	(6F)	X'10'	0	JCTHASDD	"16" JOB HAS DD STATEMENTS
111	(6F)	X'8'	0	JCTJSBIN	"8" JOB ENTERED INTERPRETATION Y02641
111	(6F)	X'4'	0	JCTJSBAL	"4" JOB ENTERED ALLOCATION Y02641
111	(6F)	X'2'	0	JCTJSBEX	"2" JOB ENTERED EXECUTION Y02641
111	(6F)	X'1'	0	JCTJSBTM	"1" JOB ENTERED TERMINATION Y02641
112	(70)	CHARACTER	3	JCTSSTR	SVA OF SCT FOR FIRST STEP TO BE RUN
115	(73)	CHARACTER	1		RESERVED
116	(74)	CHARACTER	1	JCTSTAT2	ADDITIONAL STATUS INDICATORS O102
116	(74)	X'80'	0	JCTSPSYS	"128" BIT 0 - =1 INDICATES SPOOLED SYSIN FOR JOB O102 SET BY IEFVDA O102 TESTED BY IEESD575(Queue ALTER)- O102 MVT AND MFT ONLY O102
116	(74)	X'40'	0	JCTADSPC	"64" BIT 1 - =1 INDICATES ADDRSPC=REAL Y01029 SET BY VEA AND VJA Y01029
116	(74)	X'20'	0	JCTENDIT	"32" SET BY IEFSD41Q,IEFWEXTA A25134 TESTED BY IEFDSOWR,IEFYNIMP A25134 JOB TERMINATION INDICATOR A25134
116	(74)	X'10'	0	JCTSWSM	"16" BIT 3 - =1 INDICATES WARM START MESSAGE M3144 'INIT=JOBNAME' IS TO BE SUPPRESSED M3144 FOR THIS JOB M3144 SET BY IEFVHH M3144 TESTED BY IEFSD305 M3144
116	(74)	X'8'	0	JCTPERFM	"8" BIT 4=1 PERFORM SPECIFIED ON THE JOB CARD
116	(74)	X'4'	0	JCTBLP	"4" 0-BLP WILL BE TREATED AS NL Y02668 1-BLP WILL BE TREATED AS BYPASS Y02668 LABEL PROCESSING Y02668
116	(74)	X'2'	0	JCTSISO	"2" SYSIN/SYSOUT SWA BELOW THE LINE INDICATOR
116	(74)	X'1'	0	JCTSWAUP	"1" SWA ABOVE THE LINE INDICATOR
117	(75)	CHARACTER	1	JCTCKIDL	LENGTH OF CHECKPOINT ID
118	(76)	CHARACTER	16	JCTCKIDT	CHECKPOINT IDENT AACA

AACA
 THE FOLLOWING SYSTEMS MGMT FACILITIES SUBFIELDS MUST AACA
 BEGIN ON A HALF WORD BOUNDARY AACA
 AACA

End of Comment					
134	(86)	CHARACTER	3	JCTJMR	SVA OF JMR *** SYSTEMS *** AACA
137	(89)	CHARACTER	1	JCTJMRD	DATE DIFFERENCE STEP START-JOB START * AACA
138	(8A)	CHARACTER	1	JCTJMROP	SMF OPTION SWITCHES * MANAGEMENT AACA
139	(8B)	CHARACTER	1	JCTJMRCL	SMF CANCELLATION CONTROL STATUS * AACA
		...1.		UJICAN	"X'20" JOB was cancelled by IEFUJI
		...1		USICAN	"X'10" JOB was cancelled by IEFUSI
		.... 1...		ACTRTRCAN	"X'08" JOB was cancelled by IEFACRTR
140	(8C)	CHARACTER	3		RESERVED * FACILITIES
143	(8F)	CHARACTER	3	JCTJMRSS	STEP START TIME OF DAY * AACA
146	(92)	CHARACTER	3	JCTJMRJT	JOB START TIME OF DAY * SUBFIELDS AACA
149	(95)	CHARACTER	3	JCTJMRJD	RESERVED *****
152	(98)	CHARACTER	4	JCTSRBT	ACCUMULATED SRB TIME FOR JOB Y02652
156	(9C)	CHARACTER	1		RESERVED
157	(9D)	CHARACTER	3	JCTSSD	RESERVED
160	(A0)	CHARACTER	8	JCTUSER8 (0)	USER ID FIELD. Used for APPC Transactions
160	(A0)	CHARACTER	7	JCTUSER	USER ID FIELD. SET BY C/I MODULE IEFVJA AS A RESULT OF A USER KEYWORD ON THE JOB STATEMENT.
167	(A7)	CHARACTER	1	JCTPRFMF	PERFORMANCE GROUP NUMBER
168	(A8)	CHARACTER	4	JCTACODE	ABEND CODE FIELD Y02641
172	(AC)	CHARACTER	4	JCTVULDP	POINTER TO VOLUME UNLOAD TABLE Y02670
172	(AC)	X'B0'	0	JCTLNGETH	"-INJMJCT" JCT LENGTH 20001

20001
 ACCOUNT CONTROL TABLE

End of Comment					
176	(B0)	DBL WORD	8	IEFAACTB (0)	
176	(B0)	CHARACTER	3	ACTDSKAD	SVA OF THIS ACT
179	(B3)	CHARACTER	1	ACTIDENT	TABLE ID ACT = 16
179	(B3)	X'1'	0	ACTID	"1"
180	(B4)	CHARACTER	4	ACTJTIME	JOB RUNNING TIME

JCT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
184	(B8)	CHARACTER	20	ACTPRGNM	PROGRAMMERS NAME
204	(CC)	CHARACTER	3	ACTNEXT	SVA OF NEXT ACT
207	(CF)	CHARACTER	1	ACTJNFLD	NBR OF JOB ACCOUNTING FIELDS
208	(D0)	CHARACTER	144	ACTACCNT	THE REST OF THE FIELDS HAVE THE FOLLOWING FORMAT FOR JOB ACCOUNTING- 1 BYTE- LENGTH OF FIELD VARIABLE BYTES- CONTENTS OF FIELD (REPEATED FOR N FIELDS) STEP ACCOUNTING HAS THE FOLLOWING FORMAT FOR EACH STEP- 3 BYTES- MAXIMUM STEP RUNNING TIME 1 BYTE- NBR OF FIELDS IN STEP 1 BYTE- LENGTH OF FIELD VARIABLE BYTES- CONTENTS OF FIELD (LAST 2 REPEATED N TIMES)
Comment					
THIS SECTION FORMERLY HELD THE SMB MADE OBSOLETE BY AOS/II RELEASE 2					
End of Comment					

JCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ACTACCNT	D0		JCTJMRCL	8B	
ACTDSKAD	B0		JCTJMRD	89	
ACTID	B3	1	JCTJMRJD	95	
ACTIDENT	B3		JCTJMRJT	92	
ACTJNFLD	CF		JCTJMROP	8A	
ACTJTIME	B4		JCTJMRSS	8F	
ACTNEXT	CC		JCTJNAME	8	
ACTPRGNM	B8		JCTJPRTY	7	
ACTRTCAN	8B	8	JCTJSB	6F	
IEFAACTB	B0		JCTJSBAL	6F	4
INCMALL	7	80	JCTJSBEX	6F	2
INCMCAT	5	2	JCTJSBIN	6F	8
INCMML1	7	10	JCTJSBTM	6F	1
INCMML2	7	20	JCTJSRNO	4	
INCMNSET	5	1	JCTJSTAT	5	
INCMSTS	5	4	JCTJSTPC	5	20
INDMCTLG	5	2	JCTJTPTN	10	
INJMJCT	0	0	JCTJ3RUN	6F	40
JCTABEND	5	8	JCTJ3UAF	6F	20
JCTACODE	A8		JCTJLNTH	AC	B0
JCTACTAD	28		JCTNARST	57	40
JCTADSPC	74	40	JCTNOCKP	57	10
JCTBLP	74	4	JCTNORST	57	20
JCTCCODE	36		JCTNRCKP	6C	
JCTCKFT	56	10	JCTNTRK	6B	
JCTCKIDL	75		JCTPDIP	18	
JCTCKIDT	76		JCTPERFM	74	8
JCTCKPTR	56	8	JCTPRFMF	A7	
JCTCKTTR	68		JCTQIDNT	5E	
JCTCONTR	56	20	JCTRCLST	35	20
JCTDEVT	64		JCTRCMAX	35	40
JCTDSDRA	57	1	JCTRCSTP	35	10
JCTDSENG	35	8	JCTRESTT	57	8
JCTDSESA	35	4	JCTRSW1	56	
JCTDSESD	35	2	JCTRSW2	57	
JCTDSKAD	0		JCTSCT	34	
JCTDSOCR	57	4	JCTSDKAD	20	
JCTENDIT	74	20	JCTSISO	74	2
JCTFLGS1	35		JCTSMRBA	2C	
JCTGDGNT	1C		JCTSNUMB	5F	
JCTHASDD	6F	10	JCTSPSYS	74	80
JCTID	3	0	JCTSRBT	98	
JCTIDENT	3		JCTSSD	9D	
JCTJBLBS	5		JCTSSTR	70	
JCTJBYTE	7		JCTSTAT2	74	
JCTJCSMF	1F		JCTSTEPR	56	4
JCTJCTX	24		JCTSTERM	56	40
JCTJDPCD	36		JCTSTIOT	60	
JCTJDPOP	38		JCTSUBSR	57	2
JCTJMGLV	7		JCTSWAUP	74	1
JCTJMGPO	6		JCTSWSM	74	10
JCTJMR	86		JCTSYSCK	57	80

Name	Hex Offset	Hex Value
JCTTDSFU	35	80
JCTUSER	A0	
JCTUSER8	A0	
JCTVOLSQ	6E	
JCTVULDP	AC	
JCTWARMS	56	80
UJICAN	8B	20
USICAN	8B	10

JCTX Information

JCTX Heading Information

Common Name: JOB CONTROL TABLE EXTENSION
Macro ID: IEFJCTX
DSECT Name: JCTXIN
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236 or 237 (SWA), or 241 (MSTR)
 Key: 1
 Residency: Below
Size: 176 Below
 Frequency: One per Job
Created by: The Interpreter
Pointed to by: - JCTJCTX field (SVA) in the JCT data area
Serialization: None
Function: Contains job status information in addition to that contained in the JCT

JCTX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	176	JCTXIN	TABLE NAME
0	(0)	ADDRESS	3	JCTXDSKA	DISK ADDR OF THIS JCTX.
3	(3)	CHARACTER	1	JCTXIDNT	JCTX IDENTIFICATION = 30
4	(4)	CHARACTER	8	JCTXGROP	GROUP ID FIELD
12	(C)	CHARACTER	8	JCTXJVTN	JCL DEFINITION VECTOR TABLE (JDVT) NAME
20	(14)	ADDRESS	4	JCTXSWB	SCHEDULER WORK BLOCK (SWB) STRUCTURE POINTER
24	(18)	CHARACTER	1	JCTXRSV1	RESERVED
25	(19)	CHARACTER	3	JCTXRGSZ	REGION STORAGE SIZE IN K BYTES
28	(1C)	CHARACTER	4	JCTXRSV2	RESERVED
32	(20)	CHARACTER	8	JCTXMLSZ	MEMLIMIT SIZE IN M BYTES-ON DWORD@LAA
40	(28)	CHARACTER	4	JCTXRSV3	RESERVED
44	(2C)	CHARACTER	8	JCTXR02C	RESERVED, WAS JCTXTIME,JCTXVFUT JCTXVFAT
52	(34)	UNSIGNED	4	JCTXSTMT	JOB STATEMENT NUMBER
56	(38)	UNSIGNED	4	JCTXTSTM	TOTAL NUMBER STATEMENTS FOR JOB
60	(3C)	UNSIGNED	4	JCTXJTL	MAXIMUM JOB TIME LIMIT
64	(40)	UNSIGNED	4	JCTXJCLV	JCL VERSION NUMBER
68	(44)	ADDRESS	4	JCTXDSTB	Address of Data Set Information Table
72	(48)	CHARACTER	16	JCTXSJFS	SJF shared latch step chain serialization work area - required to be on a double-word boundary
88	(58)	CHARACTER	4	JCTXSSD	STEP START DATE
92	(5C)	CHARACTER	4	JCTXJMRD	JOB START DATE
96	(60)	CHARACTER	8	JCTXSPRC	PROC name for started tasks when JOBNAME= is used, otherwise, binary zeroes
104	(68)	SIGNED	4	JCTXSONC	Step time on CP. Only useful when IFAs are configured. Otherwise, ASCBEJST can be used. Applies only to current/last step
108	(6C)	SIGNED	4	JCTXJONC	Job time on CP when IFAs configured
112	(70)	SIGNED	4	JCTXSONI	Step time on IFA. Applies only to current/last step
116	(74)	SIGNED	4	JCTXJONI	Job time on IFA
120	(78)	SIGNED	4	JCTXSIOC	Step time IFA-eligible on CP. Applies only to current/last step
124	(7C)	SIGNED	4	JCTXJIOC	Job time IFA-eligible on CP
128	(80)	SIGNED	4	JCTXSONS	Step time on SUP. Applies only to current/last step
132	(84)	SIGNED	4	JCTXJONS	Job time on SUP
136	(88)	SIGNED	4	JCTXSSOC	Step time SUP-eligible on CP. Applies only to current/last step
140	(8C)	SIGNED	4	JCTXJSOC	Job time SUP-eligible on CP
144	(90)	CHARACTER	8	JCTXJCLS	Eight character jobclass
152	(98)	CHARACTER	23	JCTXRESV	Reserved for future use
175	(AF)	UNSIGNED	1	JCTXVERS	VERSION LEVEL

JCTX Constants • JCTX Cross Reference

JCTX Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	JCTX3320	01 = HBB4410
1	DECIMAL	2	JCTX4420	02 = HBB4420
1	DECIMAL	2	JCTXCVER	02 = HBB4420 (Requires recompile of creating modules if changed)
1	DECIMAL	2	JCTXLVID	CURRENT LEVEL

JCTX Cross Reference

Name	Hex Offset	Hex Value
JCTXDSKA	0	
JCTXDSTB	44	
JCTXGROP	4	
JCTXIDNT	3	
JCTXIN	0	
JCTXJCLS	90	
JCTXJCLV	40	
JCTXJIOC	7C	
JCTXJMRD	5C	
JCTXJONC	6C	
JCTXJONI	74	
JCTXJONS	84	
JCTXJSOC	8C	
JCTXJTL	3C	
JCTXJVTN	C	
JCTXMLSZ	20	
JCTXRESV	98	
JCTXRGSZ	19	
JCTXRSV1	18	
JCTXRSV2	1C	
JCTXRSV3	28	
JCTXR02C	2C	
JCTXSIOC	78	
JCTXSJFS	48	
JCTXSONC	68	
JCTXSONI	70	
JCTXSONS	80	
JCTXSPRC	60	
JCTXSSD	58	
JCTXSSOC	88	
JCTXSTMT	34	
JCTXSWB	14	
JCTXSTM	38	
JCTXVERS	AF	

JESCT Information

JESCT Programming Interface information

Programming Interface information

JESCT

ONLY the following fields are part of the programming interface information:

- JESBCHRP
- JESBCHRS
- JESBR14L
- JESBR14N
- JESDEFST
- JESDSEMD
- JESDSEME
- JESFRQEX
- JESOPCAT
- JESOPEXP
- JESTDSFI
- JESTDSFU
- JESTLIBD
- JESTLIBE
- JESVUFL
- JESVUMTR
- JESVUTRK
- JES3OUTD

End of Programming Interface information

JESCT Heading Information • JESCT Map

JESCT Heading Information

Common Name: Job Entry Subsystem Communication Table
Macro ID: IEFJESCT
DSECT Name: JESCT, JESPEXT
Owning Component: Initiator/SubSystem Interface (SC1B6)
Eye-Catcher ID: - JESCT: JEST
 - JESPEXT: JESPEXT
 Offset: - JESCT: 0
 - JESPEXT: 0
 Length: - JESCT: 4
 - JESPEXT: 7
Storage Attributes: Subpool: - JESCT: nucleus - JESPEXT: 241 (common)
 Key: - JESCT: 0 - JESPEXT: 0
 Residency: - JESCT: below - JESPEXT: below
Size: - JESCT: 128 bytes
 - JESPEXT: 152 bytes
Created by: - JESCT:
 IEFJESDM, the data only module just for the base portion of the JESCT which resides in the nucleus.
 - JESPEXT:
 IEFSCHAL, a Scheduler address space initialization module which acquires the storage for the pageable extension.
Pointed to by: - JESCT: CVTJESCT field in the CVT
 - JESPEXT: JESCTEXT field in the JESCT
Serialization: None for the data areas in this macro. However individual fields are serialized as mentioned for the field or in some cases by services referenced.
Function: This macro provides the mapping for the JESCT and its pageable extension. Its purpose is to provide a combination of information and a vector table for the subsystem interface or scheduler service related functions.

JESCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JESCT	
0	(0)	CHARACTER	4	JESCTID	ACRONYM: JEST
4	(4)	ADDRESS	4	JESUNITS	POINTER TO SYSRES UCB
8	(8)	ADDRESS	4	JESWAA	ADDRESS OF THE SWA Y02668 MANAGER - LOCATE MODE Y02668
12	(C)	ADDRESS	4	JESQMGR	ADDRESS OF SWA MANAGER Y02668 MOVE MODE Y02668
16	(10)	ADDRESS	4	JESRESQM	ENTRY POINT USED TO INTERFACE BETWEEN THE QMNGRIO MACRO AND THE RESIDENT SWA MNGR Y02668
20	(14)	ADDRESS	4	JESSSREQ	ADDRESS OF THE IEFSSREQ Y02668 ROUTINE Y02668
24	(18)	ADDRESS	4	JESSSCT	ADDRESS OF THE FIRST Y02668 SUBSYSTEM COMMUNICATIONS Y02668 TABLE Y02668
28	(1C)	BITSTRING	4	JESPJESN	NAME OF PRIMARY JOB ENTRY Y02668 SUBSYSTEM SET AT SYSGEN Y02668
32	(20)	ADDRESS	4	JESALLOC	DEVICE ALLOCATION ENTRY POINT USED BY INITIATOR
36	(24)	ADDRESS	4	JESUNALC	DEVICE UNALLOCATION ENTRY POINT USED BY INITIATOR
40	(28)	ADDRESS	4	JESCATL	DEVICE ALLOCATION PRIVATE CATALOG ENTRY POINT USED BY INITIATOR
44	(2C)	SIGNED	4	JESNUCBS	NUMBER OF TAPE AND DA UCB'S IN SYSTEM. USED BY DEVICE ALLOCATION
48	(30)	ADDRESS	4	JESSASTA	ADDRESS OF SUBSYSTEM ALLOCATION SEQUENCE TABLE
52	(34)	ADDRESS	4	JESEDT	Address of Allocation Eligible Device Table, valid only during NIP.
56	(38)	ADDRESS	4	JESRECM	ADDRESS OF IEFJRECM RESOURCE MANAGER
60	(3C)	ADDRESS	4	JESRECF	ADDRESS OF IEFJRECF RESOURCE MANAGER
64	(40)	ADDRESS	4	JESHASH	ADDRESS OF SUBSYSTEM HASH TABLE
68	(44)	SIGNED	2	JESNRSS	TOTAL NUMBER OF SUBSYSTEMS
70	(46)	BITSTRING	1	JESFLG	FLAG BYTE
		1.. . . .		JESJSSNT	"X'80" IEFJSSNT EXISTS
		..1. . . .		JESFSIT	"X'40" FSI Trace installed.
		..1. . . .		JESFRQEX	"X'20" SSI function request exit installed
		...1		JESRSV15	"X'10" RESERVED
		.... 1.. . . .		JESRSV16	"X'08" RESERVED
		.... ..1. . . .		JESRSV17	"X'04" RESERVED
		.... ..1. . . .		JESRSV18	"X'02" RESERVED
		.... ...1		JESRSV19	"X'01" RESERVED
71	(47)	BITSTRING	1	JESJESFG	PRIMARY SUBSYSTEM FLAGS
		1.. . . .		JESPSUBA	"X'80" PRIMARY SUBSYSTEM ACTIVE INDICATOR

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		JESPSUBI	"X'40" IF JESPSUBA=1 AND THIS BIT =0 THEN MVS CONSOLE ALTERING COMMANDS MAY BE USED BUT JES3 CONSOLE ALTERING COMMANDS MAY NOT BE USED. IF JESPSUBA=1 AND THIS BIT =1 THEN JES3 CONSOLE ALTERING COMMANDS MAY BE USED IN ADDITION TO MVS CONSOLE ALTERING COMMANDS. IF JESPSUBA=0 THEN ONLY MVS CONSOLE ALTERING COMMANDS MAY BE USED.
		...1		JES3ACTV	"X'20" JES3 SUBSYSTEM ACTIVE
		.... 1...		JES3OUTD	"X'10" JES3 support of OUTADD/OUTDEL MVS services available
		.... .1..		JESRSV24	"X'08" RESERVED
		.... .1..		JESRSV25	"X'04" RESERVED
		.... ..1.		JESRSV26	"X'02" RESERVED
		.... ...1		JESRSV27	"X'01" RESERVED
72	(48)	ADDRESS	4	JESALLOP	POINTER TO ALLOCATION DESCRIPTOR BLOCK
76	(4C)	SIGNED	2	JESALLOA	ASID OF ALLOCATION ADDRESS SPACE
78	(4E)	BITSTRING	1	JESALLOF	ALLOCATION FUNCTION FLAGS
		1...		JESUASR	"X'80" UNIT ALLOCATION STATUS RECORDING IS ACTIVE
		.1..		JESUASF	"X'40" UNIT ALLOCATION STATUS RECORDING HAS FAILED
		...1		JESUPLER	"X'20" UPL DOES NOT MATCH THE UCBS
		.... 1...		JESALRDY	"X'10" ALLOCATION READY
		.... ..1.		JESV2EDT	"X'08" EDT VERSION 2 OR LATER INDICATOR
		.... ...1		JESDEFST	"X'04" SET BY IEFAB4I0. WHEN ON, THIS BIT INDICATES THAT ALLOCxx SYSTEM FLAGS ARE COPIED TO THE CORRESPONDING JESPEXT FLAGS.
		.... ..1.		JESRSV06	"X'02" RESERVED
		.... ...1		JESRSV07	"X'01" RESERVED
79	(4F)	BITSTRING	1	JESRSV08	RESERVED
80	(50)	ADDRESS	4	JESPCDP	POINTER IN CSA FOR PCDPARMS
84	(54)	SIGNED	4	JESAUCBS	NUMBER OF ALL UCBS IN THE SYSTEM
88	(58)	SIGNED	4	JESDUECB	DISPLAY ALLOCATION SDUMP ECB
92	(5C)	ADDRESS	4	JESUPLP	UCB POINTER LIST ADDRESS
96	(60)	ADDRESS	4	JESMNTP	POINTER TO ARRAY OF MOUNT- ABLE DEVICE TYPES
100	(64)	ADDRESS	4	JESCTEXT	POINTER TO THE PAGEABLE JESCT EXTENSION
104	(68)	ADDRESS	4	JESPTT	POINTER TO THE PROGRAM PROPERTIES TABLE
108	(6C)	ADDRESS	4	JESRSTRT	POINTER TO RESTART CODE TABLE
112	(70)	ADDRESS	4	JESPARSE	POINTER TO THE PARSER ROUTINE
116	(74)	ADDRESS	4	JESXB603	POINTER TO RESTART COMPONENT MESSAGE MODULE (IEFXB603)
120	(78)	ADDRESS	4	JESDACA	POINTER TO THE DEVICE ALLOCATION COMMUNICATION AREA
124	(7C)	ADDRESS	4	JESRSV28	RESERVED FIELD

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JESPEXT	
0	(0)	SIGNED	4	(0)	JESCT EXTENSION
0	(0)	CHARACTER	7	JESSID	IDENTIFIER 'JESPEXT'
7	(7)	BITSTRING	1	JESSVERS	CONTROL BLOCK VERSION NUMBER
8	(8)	ADDRESS	4	JESSJCNL	ADDRESS OF SCHEDULER JCL FACILITY ROUTER ROUTINE
12	(C)	ADDRESS	4	JESSJDVT	ADDRESS OF JCL DEFINITION VECTOR TABLE CHAIN
16	(10)	ADDRESS	4	JESSJRNL	ADDRESS OF JOURNAL WRITE RTNE
20	(14)	ADDRESS	4	JESDB401	Unused except for formatter use
24	(18)	ADDRESS	4	JESXVNSL	IEFXVNSL ENTRY POINT
28	(1C)	ADDRESS	4	JESGB4DC	IEFGB4DC ENTRY POINT
32	(20)	ADDRESS	4	JESGB4UV	IEFGB4UV ENTRY POINT
36	(24)	ADDRESS	4	JESAB445	Address of the Devcie Allocation Defaults Table - Initialized by IEFAB4I0
40	(28)	ADDRESS	4	JESGB400	ALLOCATION PUT INTERFACE RTNE.
44	(2C)	ADDRESS	4	JESQB551	IEFQB551 ENTRY POINT
48	(30)	ADDRESS	4	JESQB556	IEFQB556 ENTRY POINT
52	(34)	ADDRESS	4	JESXBPUT	JOURNAL PUT/GET INTERFACE RTN
56	(38)	ADDRESS	4	JESIB650	IEFIB650 ENTRY POINT (MSG MOD)
60	(3C)	ADDRESS	4	JESSJF	ADDRESS OF SCHEDULER JCL FACILITY ROUTINE
64	(40)	SIGNED	4	JESTIOTS	SIZE OF THE TASK I/O TABLE TIOT
68	(44)	SIGNED	4	JESMAXDD	MAXIMUM NUMBER OF SINGLE UNIT DD'S ALLOWED FOR A JOB STEP
72	(48)	ADDRESS	4	JESQMST	ADDRESS OF THE SWA MANAGER STORAGE TABLE (QMST)
76	(4C)	ADDRESS	4	JESPQDIR	ADDRESS OF THE SWA MANAGER DIAGNOSTICS ROUTINE
80	(50)	ADDRESS	4	JESGDTOK	ADDRESS OF THE ALLOCATION GET DD TOKEN SERVICE
84	(54)	ADDRESS	4	JESSMSIB	POINTER TO THE STORAGE MANAGEMENT SUBSYSTEM SSIB
88	(58)	ADDRESS	4	JESQBSVA	ADDRESS OF SWA MANAGER ROUTINE SUPPORTING UNAUTHORIZED, TASK AND CROSS MEMORY MODE CALLERS
92	(5C)	ADDRESS	4	JESMECHK	ADDRESS OF THE MUTUAL EXCLUSIVITY CHECKER ROUTINE
96	(60)	ADDRESS	4	JESXBCHK	Address of the scheduler checkpoint SWA blocks routine, used by DFP during checkpoint processing - Initialized by IEFQBINT at master scheduler base initialization
100	(64)	ADDRESS	4	JESFSICB	Address of FSI trace Control Block

JESCT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
104	(68)	ADDRESS	4	JESSJTCL	Address of the SWBTU processor control routine IEFJSJTCL: -initialized by IEFJSJL0D during master scheduler base initial. -Normally referenced through the SWBTUREQ macro
108	(6C)	SIGNED	4	JESPTTUS	PPT table concurrent use count -Normally referenced through the IEFPPSCN macro
112	(70)	ADDRESS	4	JESPTTSC	PPT scan routine IEFPTTSC: -initialized by IEFJSJINT during master scheduler base initial. -Normally referenced through the IEFPPSCN macro
116	(74)	SIGNED	4	JESDSNNO	Counter for final qualifier of temporary data set name
120	(78)	CHARACTER	2	JESDSNID	ID for temporary data sets on this system.
122	(7A)	SIGNED	2	JESRSVEA	Reserved for future use
124	(7C)	SIGNED	4	JESSSIVT	Token for SSI vector table
128	(80)	CHARACTER	4	JESSSIPC	PC number for IEFSSI macro
132	(84)	CHARACTER	4	JESVTPC	PC number for IEFSSVT macro
136	(88)	ADDRESS	4	JESMSGT@	SSI message table address
140	(8C)	BITSTRING	4	JESPALF (0)	JESPEXT flags reflecting ALLOCxx SYSTEM statement settings -Set by Allocation Initialization Routine IEFAB410 and updated by SETALLOC command processing
140	(8C)	BITSTRING	1	JESPALF1	1ST BYTE OF ALLOCXX SYSTEM FLAGS
		1..		JESBR14L	"X'80" On when SYSTEM IEFBR14_DELMIGDS is set to LEGACY
		.1..		JESBR14N	"X'40" On when SYSTEM IEFBR14_DELMIGDS is set to NORECALL
		..1.		JESTLIBE	"X'20" On when SYSTEM TAPELIB_PREF is set to EQUAL
		...1		JESTLIBD	"X'10" On when SYSTEM TAPELIB_PREF is set to BYDEVICES
		.... 1..		JESVUFL	"X'08" On when SYSTEM VERIFY_UNCAT is set to FAIL
		.... .1..		JESVUTRK	"X'04" On when SYSTEM VERIFY_UNCAT is set to TRACK only
		.... ..1.		JESVUMTR	"X'02" On when SYSTEM VERIFY_UNCAT is set to MSGTRACK
		.... ...1		JESTDSFU	"X'01" On when SYSTEM TEMPDSFORMAT is set to UNIQUE
141	(8D)	BITSTRING	1	JESPALF2	2ND BYTE OF ALLOCXX SYSTEM FLAGS
		1..		JESTDSFI	"X'80" On when SYSTEM TEMPDSFORMAT is set to UNIQUE
		.1..		JESDSEME	"X'40" On when SYSTEM MEMDSENQMGMT is set to ENABLE
		..1.		JESDSEMD	"X'20" On when SYSTEM MEMDSENQMGMT is set to DISABLE
		...1		JESVULTR	"X'10" On when SYSTEM VERIFY_UNCAT is set to LOGTRACK
		.... 1..		JESBCHRS	"X'08" On when SYSTEM BATCH_RCLMIGDS set to SERIAL
		.... .1..		JESBCHRP	"X'04" On when SYSTEM BATCH_RCLMIGDS set to PARALLEL 2 bits reserved for future use for ALLOCxx SYSTEM keywords
		.... ..1.		JESOPEXP	"X'02" On when SYSTEM OPTCDB_SPLIT is set to EXPLICIT
		.... ...1		JESOPCAT	"X'01" On when SYSTEM OPTCDB_SPLIT is set to CATALOG
142	(8E)	BITSTRING	1	JESPALF3	Reserved for future use for ALLOCxx SYSTEM keywords
143	(8F)	BITSTRING	1	JESPALF4	Reserved for future use for ALLOCxx SYSTEM keywords
144	(90)	SIGNED	4	JESRSVEC	Reserved for future use
148	(94)	SIGNED	4	JESRSVED	Reserved for future use
152	(98)	SIGNED	4	JESSCH_ MODULETABLE (4)	Module table for Scheduler, each word is a pointer to a subcomponent module table that is obtained by IEFSCHA1. See IEFSCHMT
152	(98)	X'8'	0	JESSCVER	"8" CURRENT VERSION LEVEL

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	JESCT	RESETS PROGRAM COUNTER

JESCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JESAB445	24		JESDB401	14	
JESALLOA	4C	0	JESDEFST	4E	4
JESALLOC	20		JESDSEMD	8D	20
JESALLOF	4E	0	JESDSEME	8D	40
JESALLOP	48		JESDSNID	78	
JESALRDY	4E	10	JESDSNNO	74	
JESAUCBS	54	0	JESDUECB	58	0
JESBCHRP	8D	4	JESEDT	34	
JESBCHRS	8D	8	JESFLG	46	0
JESBR14L	8C	80	JESFRQEX	46	20
JESBR14N	8C	40	JESFSICB	64	
JESCATL	28		JESFSIT	46	40
JESCT	0		JESGB4DC	1C	
JESCT	0		JESGB4UV	20	
JESCTEXT	64		JESGB400	28	
JESCTID	0	D1C5E2E3	JESGDTOK	50	
JESDACA	78		JESHASH	40	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JESIB650	38		JESUNALC	24	
JESJESFG	47	0	JESUNITS	4	
JESJSSNT	46	80	JESUPLER	4E	20
JESMAXDD	44		JESUPLP	5C	
JESMECHK	5C		JESVTPC	84	
JESMNTP	60		JESVUFL	8C	8
JESMSGT@	88		JESVULTR	8D	10
JESNRSS	44	0	JESVUMTR	8C	2
JESNUCBS	2C	0	JESVUTRK	8C	4
JESOPCAT	8D	1	JESV2EDT	4E	8
JESOPEXP	8D	2	JESWAA	8	
JESPALF	8C		JESXBCHK	60	
JESPALF1	8C	0	JESXBPUT	34	
JESPALF2	8D	0	JESXB603	74	
JESPALF3	8E	0	JESXVNSL	18	
JESPALF4	8F	0	JES3ACTV	47	20
JESPARSE	70		JES3OUTD	47	10
JESPCDP	50				
JESPEXT	0				
JESPJESN	1C	0			
JESPPT	68				
JESPPTSC	70				
JESPPTUS	6C				
JESPQDIR	4C				
JESPMST	48				
JESPSUBA	47	80			
JESPSUBI	47	40			
JESQBSVA	58				
JESQB551	2C				
JESQB556	30				
JESQMGR	C				
JESREFC	3C				
JESRECM	38				
JESRESQM	10				
JESRSTRT	6C				
JESRSVEA	7A				
JESRSVEC	90				
JESRSVED	94				
JESRSV06	4E	2			
JESRSV07	4E	1			
JESRSV08	4F	0			
JESRSV15	46	10			
JESRSV16	46	8			
JESRSV17	46	4			
JESRSV18	46	2			
JESRSV19	46	1			
JESRSV24	47	8			
JESRSV25	47	4			
JESRSV26	47	2			
JESRSV27	47	1			
JESRSV28	7C				
JESSASTA	30				
JESSCH_MODULETABLE					
	98				
JESSCOVER	98	8			
JESSID	0				
JESSJCNL	8				
JESSJDVT	C				
JESSJF	3C				
JESSJRNL	10				
JESSJTCL	68				
JESSMSIB	54				
JESSSCT	18				
JESSSIPC	80				
JESSSIVT	7C				
JESSSREQ	14				
JESSVERS	7				
JESTDSFI	8D	80			
JESTDSFU	8C	1			
JESTIOTS	40				
JESTLIBD	8C	10			
JESTLIBE	8C	20			
JESUASF	4E	40			
JESUASR	4E	80			

JFCB Information

JFCB Programming Interface information

Programming Interface information

JFCB

ONLY the following fields are part of the programming interface information:

- JFCABN
- JFCACC
- JFCACT
- JFCALLOW
- JFCALX
- JFCAMSTR
- JFCASA
- JFCBABFS
- JFCBABS
- JFCBABST
- JFCBADBF
- JFCBADSP
- JFCBAL
- JFCBAVR
- JFCBAXBF
- JFCBBFTA
- JFCBBFTK
- JFCBBFTR
- JFCBCEOV
- JFCBCKPT
- JFCBCRDT
- JFCBCTRI
- JFCBCYL
- JFCBDQTY
- JFCBDR LH
- JFCBDSNM
- JFCBELNM
- JFCBEND
- JFCBEXAD
- JFCBEXP
- JFCBEXTP
- JFCBFLG1
- JFCBFLG3
- JFCBFLSQ
- JFCBFOUT
- JFCBFRID
- JFCBFTEK
- JFCBGNCP
- JFCBIN
- JFCBLGTH
- JFCBLKSI
- JFCBLP
- JFCBLSR
- JFCBLSRD
- JFCBLTM
- JFCBLTYP
- JFCBMASK
- JFCBNTCS
- JFCBNVOL
- JFCBPQTY
- JFCBPROT
- JFCBQNAM
- JFCBSPAC
- JFCBSQTY
- JFCBTRK
- JFCBUFIN
- JFCBUFL
- JFCBUFMX
- JFCBUFNO
- JFCBUFOF
- JFCBUFSI
- JFCBV LCT
- JFCBVLSQ
- JFCBVOLS
- JFCBXPDT
- JFCBWWU
- JFCCHAR
- JFCCOMP
- JFCCONV
- JFCCPRI
- JFCCYL
- JFCCYLOF
- JFCDEL
- JFCDEN
- JFCDISP
- JFCDQDSP
- JFCDSEQN
- JFCDSORG
- JFCDSRG1
- JFCDSRG2
- JFCDUAL
- JFCDWORD
- JFCDYN
- JFC EBCD
- JFC EQUAL
- JFCEROPT
- JFC EVEN
- JFC EXC
- JFC EXT
- JFCFCBAL
- JFCFCBID
- JFCFCBVR
- JFCFEED
- JFCFIX
- JFCFMREC
- JFCFNCBD
- JFCFNCBI
- JFCFNCBP
- JFCFNCBR
- JFCFNCBT
- JFCFNCBW
- JFCFNCBX
- JFCFOLD
- JFCFUNC
- JFCFWORD
- JFCIND
- JFCINOP
- JFCINTVL
- JFCIPLTX
- JFCKEYLE
- JFCCLIMCT
- JFCCLRECL
- JFCMAC
- JFCMAST
- JFCMIXG
- JFCMOD
- JFCMODE
- JFCMODEO
- JFCMODER
- JFCNCOMP
- JFCNCP
- JFCNEW
- JFCNL
- JFCNOCC
- JFCNSL
- JFCNTM
- JFCNWRIT
- JFCOLD
- JFCONE
- JFCONTIG
- JFCOPEN
- JFCOPTJ
- JFCOPTQ
- JFCORGAM
- JFCORGCX
- JFCORGDA
- JFCORGG S
- JFCORGIS
- JFCORGPO
- JFCORGPS
- JFCORGTQ
- JFCORGTR
- JFCORGTX
- JFCORGU
- JFCOUTLI
- JFCOUTOP
- JFCOVER
- JFCPCI
- JFCPCIA1
- JFCPCIA2
- JFCPCIBT
- JFCPCIN1
- JFCPCIN2
- JFCPCIR1
- JFCPCIR2
- JFCPCIX1
- JFCPCIX2
- JFCPDS
- JFCPOSID
- JFCPRTSP
- JFCRBIDC
- JFCRBIDO
- JFCRCFM
- JFCRECFM
- JFCRECV
- JFCREDUC
- JFCREL
- JFCREORG
- JFCRFB
- JFCRFO
- JFCRFS
- JFCRK P
- JFCRLSE
- JFCROUND
- JFCSDNAM
- JFCSDS
- JFCSEND
- JFCSHARE
- JFCSIM
- JFCSKP
- JFCSL
- JFCSLCRE
- JFCSLDES
- JFCSPNO
- JFCSPONE
- JFCSPTHR
- JFCSP TWO
- JFCSTACK
- JFCSTAND
- JFCSUL
- JFC THRSH
- JFC TOPT
- JFC TRAN
- JFC TREV
- JFC TRTCH
- JFC TWO
- JFCUCSID
- JFCUCSOP
- JFCUND
- JFCVAR

JFCB Programming Interface information

- JFCVARD
- JFCVER
- JFCVLDQ
- JFCVLDQ1
- JFCVLDQ2
- JFCVLDQ3
- JFCVLDQ4
- JFCVLDQ5
- JFCWUMSG
- JFCWVCBD
- JFCWVCIS
- JFCWVCSP
- JFC1600
- JFC200
- JFC556
- JFC6250
- JFC800

End of Programming Interface information

JFCB Heading Information

Common Name: Job File Control Block
Macro ID: IEFJFCBN
DSECT Name: INFMJFCB (No DSECT generated)
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: JFCB
 Offset: -4 (SWA prefix)
 Length: 4 bytes
Storage Attributes: Subpool: 236 or 237 (SWA), 241 for MSTR address space
 Key: 1
 Residency: Any
Size: 192 bytes (176 bytes mapped)
Created by: Interpreter and Dynamic Allocation
Pointed to by: - TIOEJFCB field (SVA) of the TIOT data area (DD entry JFCB)
 - SWBUFPTTR field in IEFZB506 upon return from IEFQMREQ macro (Preferred method of SVA translation)
 - Output from DFSMS RDJFCB Macro
 - SWBLKPTR field in IEFZB505 upon return from SWAREQ macro
Serialization: None for Interpreter, SVC 99 processing for Dynamic Allocation and Unallocation
Function: The Job Management routines construct a JFCB for each ddname specified in a job step. In a concatenated data set, each of the multiple DD cards is given a ddname of blanks. A JFCB is then concatenated for each DD, including those with a name of blanks. It is brought into virtual storage when the data set is opened. Information in a JFCB may be modified during OPEN processing.

JFCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	
0	(0)	X'0'	0	INFMJFCB	***
0	(0)	CHARACTER	8	JFCBQNAM (0)	- PROCESS QUEUE NAME (QNAME=) (TCAM)
0	(0)	CHARACTER	44	JFCBDSNM	- DATA SET NAME (DSNAME=)
44	(2C)	CHARACTER	7	JFCIPLTX (0)	- MODULE NAME OF NETWORK CONTROL PROGRAM (DCB=IPLTXID=) (TCAM) ICB391
44	(2C)	CHARACTER	8	JFCBLSRD (0)	- Target DDNAME for Batch LSR when JFCBLSR indicator is ON
44	(2C)	CHARACTER	8	JFCBELNM	- DSNAME= ELEMENT (MEMBER) NAME (DSNAME=x(member)) MEMBER NAME OR RELATIVE GENERATION NUMBER. TYPE OF AREA (INDEX, PRIME OR OVERFLOW) FOR AN INDEXED SEQUENTIAL DATA SET ONLY.
52	(34)	BITSTRING	1	JFCBTSDM	- JOB MANAGEMENT/DATA MANAGEMENT INTERFACE
		1...		JFCCAT	"X'80" - DATA SET IS CATALOGED
		.1.		JFCVSL	"X'40" - VOLUME SERIAL LIST HAS BEEN CHANGED
		..1.		JFCSDS	"X'20" - SUBSYSTEM DATA SET - This dataset is either a SYSIN/SYSOUT dataset, or SUBSYS= was specified on the DD statement
		...1		JFCTTR	"X'10" - A JOB STEP IS TO BE RESTARTED. USE JFCBOTTR INSTEAD OF DS1LSTAR FIELD TO REPOSITION DATA SET IF AUTOMATIC STEP RESTART OCCURS. (THIS JOB HAD ABEND PROCESSING FOR A DATA SET OPENED FOR MOD.)
		.... 1..		JFCNWRIT	"X'08" - DO NOT WRITE BACK THE JFCB DURING OPEN PROCESSING
		.... .1.		JFCNDSCB	"X'04" - DO NOT MERGE DSCB OR LABEL FIELDS INTO THIS JFCB
		.... ..1.		JFCNDCB	"X'02" - DO NOT MERGE DCB FIELDS INTO THIS JFCB
		.... ...1		JFCPAT	"X'01" - THE PATTERNING DSCB IS COMPLETE
53	(35)	CHARACTER	3	JFCBDSCB	- TTR OF THE FORMAT 1 DSCB FOR DATA SET PART ON THE FIRST VOLUME OF THE DATA SET
56	(38)	CHARACTER	4	JFCFCBID (0)	- FORMS CONTROL BUFFER IMAGE ID (FCB=name) - FORMS CONTROL BUFFER IMAGE ID (3211 Printer) - OR DATA PROTECTION IMAGE ID (3525 Card punch WITH THE READ AND PRINT FEATURES) - OR FORMAT RECORD ID MDC007
56	(38)	CHARACTER	4	JFCBFRID (0)	- ** RESERVED-O ** (DCB=FRID=) (3886 dev) MDC024
56	(38)	CHARACTER	4	JFCRBIDO (0)	- THE PHYSICAL LOCATION ON THE TAPE OF THE FIRST STANDARD-LABEL HEADER RECORD TO BE PROCESSED BY OPEN
56	(38)	BITSTRING	2	JFCAMCRO	- CHECKPOINT/RESTART OPTION INDICATORS (AMP=('CROPS=)) (VSAM) ICB438

JFCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
		X'80' - RCK - (default) perform both the data-erase and the data set post-checkpoint modification test			
		X'40' - NCK - No data set post-checkpoint modification test			
		X'20' - NRE - No data-erase test			
		X'10' - NRC - No data-erase test and No data set post-checkpoint modification test			
					End of Comment
58	(3A)	SIGNED	2	JFCAMSTR	- NUMBER OF STRINGS (AMP=('STRNO=num')) (VSAM) ICB438
60	(3C)	SIGNED	2	JFCBADBF	- NUMBER OF DATA BUFFERS (AMP=('BUFND=num')) (VSAM) ICB438
62	(3E)	SIGNED	2	JFCNLREC	- LOGICAL RECORD LENGTH (VSAM) ICB438
					Comment
<p>The tape device selection information is used to communicate device selection information for tape library requests. The information is only valid for tape library requests, but should not be used to test whether the DD is a tape library allocation (a zero value doesn't mean it's a non-tape library request). The values assigned to JFCTRKNO, JFCMEDIA, JFCOMPTY and JFCSPECL are hex values rather than bit values.</p>					
					End of Comment
64	(40)	BITSTRING	2	JFCBTDSI (0)	- Tape Device Selection Information Set by SMS/Dataclass or Dynamic Allocation Used by SMS/OAM
64	(40)	BITSTRING	1	JFCTDSI1	- TDSI byte 1
		1111		JFCTRKNO	"X'F0" - Track recording technique
		.... ....		JFCNOREC	"X'00" - Recording technology unknown or not specified
		...1		JFC18TRK	"X'10" - 18 track recording mode - (hex value)
		..1.		JFC36TRK	"X'20" - 36 track recording mode - (hex value)
		..11		JFC128TK	"X'30" - 128 track recording mode - (hex value)
		..1.		JFC256TK	"X'40" - 256 track recording mode - (hex value)
		..1.		JFC384TK	"X'50" - 384 track recording mode - (hex value)
		..11.		JFCEFM1	"X'60" - Enterprise Format 1 - (hex value)
		..111.		JFCEFM2	"X'70" - Enterprise Format 2 - (hex value)
		1...		JFCEFM3	"X'80" - Enterprise Encryption Format 2 - (hex value)
		1..1		JFCEFM4	"X'90" - Enterprise Format 3 - (hex value)
		1.1.		JFCEFM5	"X'A0" - Enterprise Encryption Format 3 - (hex value)
		1.11		JFCEFM6	"X'B0" - Enterprise Format 4 - (hex value)
		11..		JFCEFM7	"X'C0" - Enterprise Encryption Format 4 - (hex value)
		.... 1111		JFCMEDIA	"X'0F" - Media type
		.... ....		JFCNOMED	"X'00" - Media type unknown or not specified
		.... ...1		JFCBMED1	"X'01" - Cartridge System Tape - (hex value)
		.... ..1.		JFCBMED2	"X'02" - Enhanced Capacity Cartridge System Tape - (hex value)
		.... ...11		JFCBMED3	"X'03" - 1/2 inch / 320 meter particle media
		.... ..1.		JFCBMED4	"X'04" - Reserved for future media type
		.... ..1.1		JFCBMED5	"X'05" - Enterprise Cartridge Tape
		.... ...11.		JFCBMED6	"X'06" - Enterprise WORM Cartridge Tape
		.... ..111		JFCBMED7	"X'07" - Enterprise Economy Cartridge Tape
		.... 1...		JFCBMED8	"X'08" - Enterprise Economy WORM Cartridge Tape
		.... 1..1		JFCBMED9	"X'09" - Enterprise Extended Cartridge Tape
		.... 1.1.		JFCBME10	"X'0A" - Enterprise Extended WORM Cartridge Tape
		.... 1.11		JFCBME11	"X'0B" - Enterprise Advanced Cartridge Tape
		.... 11..		JFCBME12	"X'0C" - Enterprise Advanced WORM Cartridge Tape
		.... 11.1		JFCBME13	"X'0D" - Enterprise Advanced Economy Cartridge Tape
65	(41)	BITSTRING	1	JFCTDSI2	- TDSI byte 2
		1111		JFCOMPTY	"X'F0" - Compaction type. Does not necessarily mean TRTCH=COMP was specified.
		.... ....		JFCCMPNS	"X'00" - Compaction type unknown or not specified
		...1		JFCNOCMP	"X'10" - Compaction not used - (hex value)
		..1.		JFCBIDRC	"X'20" - Compaction type=IDRC - (hex value)
		..1.		JFCBCMPY	"X'20" - Compaction = YES - (hex value)
		.... 1111		JFCSPECL	"X'0F" - Special attributes
		.... ....		JFCNOSPC	"X'00" - Volume has no special attributes
		.... ...1		JFCRCOM	"X'01" - Read compatibility attribute. When set, it indicates that the volumes will be used for input only and read compatible devices can be added to the device eligibility - (hex value)
66	(42)	BITSTRING	1	JFCBLTYP	- LABEL TYPE (LABEL=)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		JFCDSEQN	"X'80" - DATASET SEQUENCE NUMBER Specified (LABEL=(ds-seq#,label))
		.1.		JFCBAL	"X'40" - AL - ISO/ANSI (ver 1) ISO/ANSI/FIPS (ver 3)
Comment					
X'48' - AUL - User labels ans AL type labels					
End of Comment					
		..1.		JFCBLTM	"X'20" - LTM - LEADING TAPE MARK NOTE: OPEN/CLOSE/EOV AND RESTART must space over a tape mark if one exists. ICB398
		...1		JFCBLP	"X'10" - BLP - BYPASS LABEL PROCESSING
		.... 1.1.		JFCSUL	"X'0A" - SUL - STANDARD and USER LABELS
		.... .1..		JFCNSL	"X'04" - NSL - NONSTANDARD LABEL
		.... .1.1.		JFCSL	"X'02" - SL - STANDARD LABEL (default)
		.... ..1		JFCNL	"X'01" - NL - NO LABEL
67	(43)	CHARACTER	3	JFCBOTTR (0)	- DASD MOD DATA SET - IF AUTOMATIC STEP RESTART WAS REQUESTED, TTR OF THE END-OF-DATA INDICATOR EXISTING WHEN THE DATA SET WAS FIRST OPENED DURING THE ORIGINAL EXECUTION OF THE CURRENT STEP
67	(43)	SIGNED	1	JFCBUFOF	- TAPE DATA SET - THIS FIELD CONTAINS THE BUFFER OFFSET (DCB=BUFOFF=)
		1... ..		JFCBFOFL	"X'80" - L - Specifies that the block prefix is 4bytes and contains the block length NOTE: If the BUFOFF=number format was specified, JFCBUFOF will contain the length of the block prefix (in bytes)
68	(44)	BITSTRING	1	JFCFUNC (0)	- FUNCTION INDICATORS (DCB=FUNC=) For the 3505 Card reader and the 3525 Card punch ICB392
		1... ..		JFCFNCBI	"X'80" - I - INTERPRET (PUNCH AND PRINT) ICB392
		.1.		JFCFNCBR	"X'40" - R - READ ICB392
		..1.		JFCFNCPB	"X'20" - P - PUNCH ICB392
		.... .1..		JFCFNCPW	"X'10" - W - PRINT ICB392
		.... 1... ..		JFCFNCPD	"X'08" - D - DATA PROTECTION - PUNCH ICB392
		.... .1..		JFCFNCPX	"X'04" - X - THIS DATA SET IS TO BE PRINTED. THIS MAY BE CODED WITH PW OR RPW TO DISTINGUISH THE DATA SET TO BE PRINTED FROM THE DATA SET TO BE PUNCHED. ICB392
		.... ..1.		JFCFNCPB	"X'02" - T - TWO-LINE PRINT SUPPORT REQUEST. THE SECOND PRINT LINE IS LOCATED ON CARD LINE THREE. ICB392
		.... ..1		JFCRSV31	"X'01','C','X" RESERVED
68	(44)	SIGNED	2	JFCBFLSQ	- LABEL= FILE (DATA SET) SEQUENCE NUMBER (LABEL=(ds-seq#,..))
70	(46)	SIGNED	2	JFCBVLSQ	- VOLUME= VOLUME SEQUENCE NUMBER (VOL=(,vol-seq#,..))
72	(48)	CHARACTER	8	JFCBMSK (0)	- DATA MANAGEMENT MASK
72	(48)	BITSTRING	5	JFCBOPS1	- OPEN ROUTINE INTERNAL SWITCHES
77	(4D)	BITSTRING	1	JFCBFLG1	- FLAG BYTE
		1... ..		JFCSTAND	"X'80" - VOLUME LABEL PROCESSING STANDARD
		.1.		JFCSLCRE	"X'40" - CREATION OF A STANDARD LABEL IS NECESSARY
		..1.		JFCSLDES	"X'20" - DESTRUCTION OF A STANDARD LABEL IS NECESSARY
		...1		JFCDUAL	"X'10" - DUAL-DENSITY CHECK DETECTED
		.... 1111		JFCOPEN	"X'0F" - OPEN ROUTINE INTERNAL SWITCHES
		.... 1... ..		JFCNSVL	"X'08" - VALID EXTRACTED FROM SENSE
		.... ..1		JFCBPWBP	"X'01" - PASSWORD BYPASS INDICATOR MDC010
78	(4E)	BITSTRING	1	JFCBFLG2	- FLAG BYTE OF OPEN SWITCHES
		1... ..		JFCINOP	"X'80" - TREAT THE INOUT OPTION OF OPEN AS INPUT (LABEL=(,..,IN))
		.1.		JFCOUTOP	"X'40" - TREAT THE OUTIN OPTION OF OPEN AS OUTPUT (LABEL=(,..,OUT))
		..1.		JFCDEFER	"X'20" - SET ONLY IN A JFCB RECORDED IN A DATA SET DESCRIPTOR RECORD (DSDR) BY THE CHECKPOINT ROUTINE. INDICATES THAT THE DATA SET RELATED TO THE JFCB IS BEING PROCESSED SEQUENTIALLY, AT THE CHECKPOINT, ON A VOLUME OTHER THAN THE VOLUME ON WHICH PROCESSING BEGAN IN THE CURRENT STEP. WHEN RESTART OCCURS, THIS BIT CAUSES DEFERRED VOLUME MOUNTING.
		..1.		JFCNRPS	"X'20" - USE BY OPEN ROUTINES - SET TO INDICATE THAT THIS DATA SET RESIDES ON A NON-RPS DEVICE. RESET TO ZERO WHEN OPEN PROCESSING IS COMPLETED. ICB495
		...1		JFCMODNW	"X'10" - DISPOSITION OF THIS DATA SET HAS BEEN CHANGED FROM MOD TO NEW. DISPOSITION (IN JFCBIND2) WILL BE RESTORED TO MOD AFTER OPEN.
		.... 1... ..		JFCSDRPS	"X'08" - USE SEARCH DIRECT FOR ROTATIONAL POSITION SENSING (RPS) DEVICES ICB398
		.... .1..		JFCTRACE	"X'04" - GTF TRACE IS TO OCCUR DURING OPEN/CLOSE/EOV AND DYNAMIC ALLOCATION PROCESSING OF DCB (AMP=TRACE) ICB392
		.... ..1.		JFCBBUFF	"X'02" - If ON, JFCBUFOF contains either a user-coded buffer offset or invalid data resulting from a JFCB-to-JFCB merge. If OFF, JFCBOTTR (containing structure for JFCBUFOF) is available to store the TTR of the DSCB for the data set represented by this JFCB.

JFCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..1		JFCRCTLG	"X'01" - OPEN HAS UPDATED THE TTR. SCHEDULER STEP TERMINATION ROUTINE IS TO RECATALOG THIS DATA SET AND PLACE IN THE CATALOG ENTRY THE DSCB TTR CONTAINED IN JFCBDCSB IF THIS DATA SET IS CATALOGED.
79	(4F)	BITSTRING	1	JFCBOPS2	- OPEN ROUTINE INTERNAL SWITCHES
80	(50)	CHARACTER	3	JFCBCRDT	- DATA SET CREATION DATE in the format: 'YYDDDD' in which the year is an offset from 1900, i.e. 1989 is 1900 + 89. The 89 in hex is 59, in this case January 8, 1989 would be 590008. This date is the date of the Allocation of the data set and is not valid until the Allocation is processing.
83	(53)	CHARACTER	3	JFCBXPDT	- DATA SET EXPIRATION DATE (LABEL=EXPDT=) Stored in the same format as the Creation Date This field may alternately contain the date that is calculated by adding the Retention Period (LABEL=RETPD=) to the Creation Date (JFCBCRDT). NOTE: JFCBXPDT is not valid until the data set is actually allocated.
86	(56)	BITSTRING	1	JFCBIND1	- INDICATOR BYTE 1
		11..		JFCRLSE	"X'CO" - RELEASE EXTERNAL STORAGE (SPACE=(,),RLSE))
		..11		JFCLOC	"X'30" - DATA SET HAS BEEN LOCATED
		.... 11..		JFCADDED	"X'0C" - NEW VOLUME HAS BEEN ADDED TO THE DATA SET
		.... ..1.		JFCGDG	"X'02" - DATA SET IS A MEMBER OF A GENERATION DATA GROUP
		.... ..1		JFCPDS	"X'01" - DATA SET IS A MEMBER OF A PARTITIONED DATA SET
		.1..		JFCBRLSE	"X'40" - ** RESERVED-O **
		.... 11..		JFCBLOCT	"X'10" - ** RESERVED-O **
		.... ..1.		JFCBNEWV	"X'04" - ** RESERVED-O **
		.... ..1		JFCBPMEM	"X'01" - ** RESERVED-O **
87	(57)	BITSTRING	1	JFCBIND2	- INDICATOR BYTE 2
		11..		JFCDISP	"X'CO" - BIT PATTERN FOR NEW, MOD, OLD
		11..		JFCNEW	"X'CO" - NEW DATA SET (DISP=NEW)
		1..		JFCMOD	"X'80" - MOD DATA SET (DISP=MOD)
		.1..		JFCOLD	"X'40" - OLD DATA SET (DISP=OLD)
		..11		JFCBRWPW	"X'30" - PASSWORD IS REQUIRED TO WRITE BUT NOT TO READ (DATA SET SECURITY) (LABEL=(,NOPWREAD))
		...1		JFCSECUR	"X'10" - PASSWORD IS REQUIRED TO READ OR TO WRITE (DATA SET SECURITY) (LABEL=(,PASSWORD))
		.... 1..		JFCSHARE	"X'08" - SHARED DATA SET
		.... ..1.		JFCENT	"X'04" - DELETE THIS JFCB BEFORE ALLOCATION FOR A RESTARTED GENERATION DATA GROUP
		.... ..1.		JFCREQ	"X'02" - STORAGE VOLUME REQUESTED
		.... ..1		JFCTEMP	"X'01" - DATA SET WILL BE DELETED WHEN JOB COMPLETES WITH A NORMAL CONDITION CODE
		.1..		JFCBSTAT	"X'40" - ** RESERVED-O **
		...1		JFCBSCTY	"X'10" - ** RESERVED-O **
		.... ..1.		JFCBGDGA	"X'04" - ** RESERVED-O **
88	(58)	ADDRESS	4	JFCAMPTR (0)	- POINTER TO AMPBLK FOR ADDITIONAL VSAM PARAMETERS ICB438
88	(58)	CHARACTER	3	JFCAMSV (0)	- SVA OF AMPX CONTROL BLOCK EXTENSION TO THE JFCB YA05186
88	(58)	BITSTRING	1	JFCBUFNO (0)	- NUMBER OF BUFFERS REQUIRED FOR THIS DATA SET (DCB=BUFNO=)
88	(58)	BITSTRING	1	JFCBUFIN (0)	- INPUT Buffers (DCB=BUFIN=) BITS 0-3 CONTAIN THE NUMBER OF BUFFERS ASSIGNED INITIALLY FOR RECEIVING OPERATIONS FOR EACH LINE IN A LINE GROUP (TCAM)
88	(58)	BITSTRING	1	JFCBFOUT (0)	- OUTPUT Buffers (DCB=BUFOUT=) BITS 4-7 CONTAIN THE NUMBER OF BUFFERS ASSIGNED INITIALLY FOR SENDING OPERATIONS FOR EACH LINE IN A LINE GROUP (TCAM)
88	(58)	BITSTRING	1	JFCBUFRQ	- ** RESERVED-O ** (DCB=BUFRQ=)
89	(59)	SIGNED	1	JFCBGNCP (0)	- (DCB=GNCP=) FOR GAM, THIS FIELD IS USED FOR THE NUMBER OF IOB'S CONSTRUCTED BY THE OPEN ROUTINE. MAXIMUM NUMBER IS 99. MDC025
89	(59)	BITSTRING	1	JFCBIAR (0)	- ** RESERVED-O ** (DCB=HIARCHY=)
		1... ..1.		JFCHIER	"X'84" - ** RESERVED-O **
		.... ..1.		JFCHIER1	"X'04" - ** RESERVED-O **
89	(59)	BITSTRING	1	JFCBFALN (0)	- BUFFER ALIGNMENT (DCB=BFALN=)
		.... ..1.		JFCDWORD	"X'02" - D - DOUBLE WORD BOUNDARY
		.... ..1		JFCFWORD	"X'01" - F - FULL WORD BOUNDARY
89	(59)	BITSTRING	1	JFCBFTEK	- BUFFERING TECHNIQUE (DCB=BFTEK=)
		.1..		JFCSIM	"X'40" - S - SIMPLE BUFFERING
		.11.		JFCBBFTA	"X'60" - A - AUTOMATIC RECORD AREA CONSTRUCTION FOR QSAM LOCATE MODE PROCESSING OF SPANNED RECORDS. DURING LOGICAL RECORD INTERFACE PROCESSING. OPEN IS TO CONSTRUCT A RECORD AREA IF IT AUTOMATICALLY CONSTRUCTS BUFFERS.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		JFCBFBTR	"X'20'" - R - FOR BSAM CREATE BDAM PROCESSING OR BDAM PROCESSING OF UNBLOCKED SPANNED RECORDS, SOFTWARE TRACK OVERFLOW. OPEN FORMS A SEGMENT WORK AREA POOL AND STORES THE ADDRESS OF THE SEGMENT WORK AREA CONTROL BLOCK IN THE DCBEOBW FIELD OF THE DATA CONTROL BLOCK. WRITE USES A SEGMENT WORK AREA TO WRITE A RECORD AS ONE OR MORE SEGMENTS. - BDAM INPUT PROCESSING OF UNBLOCKED SPANNED RECORDS WITH KEYS, RECORD OFFSET PROCESSING. READ READS ONE RECORD SEGMENT INTO THE RECORD AREA. THE FIRST SEGMENT OF A RECORD IS PRECEDED IN THE RECORD AREA BY THE KEY. SUBSEQUENT SEGMENTS ARE AT AN OFFSET EQUAL TO THE KEY LENGTH.
		...1		JFCCEXC	"X'10'" - E - EXCHANGE BUFFERING
		.... 1...		JFCDDYN	"X'08'" - D - DYNAMIC BUFFERING
90	(5A)	SIGNED	2	JFCBUFL	- BUFFER LENGTH (DCB=BUFL=)
92	(5C)	BITSTRING	1	JFCEROPT	- ERROR OPTION (DCB=EROPT=) DISPOSITION OF PERMANENT ERRORS IF USER RETURNS FROM A SYNCHRONOUS ERROR EXIT. (QSAM)
		1...		JFCACC	"X'80'" - ACC - ACCEPT
		..1.		JFCCKP	"X'40'" - SKP - SKIP
		..1.		JFCABN	"X'20'" - ABE - ABNORMAL END OF TASK
		...1		JFCCTOPT	"X'10'" - T - ON-LINE TERMINAL TEST (BTAM) ICB349
		.... 1..		JFCRSV02	"X'08',C'X'" RESERVED
		.... ..1.		JFCRSV03	"X'04',C'X'" RESERVED
		.... ..1.		JFCRSV04	"X'02',C'X'" RESERVED
		.... ...1		JFCRSV05	"X'01',C'X'" RESERVED
93	(5D)	CHARACTER	1	JFCRTTCH (0)	- TAPE RECORDING TECHNIQUE (DCB=TRTCH=)
		..1. ..11		JFCEVEN	"X'23'" - E - EVEN PARITY (7-track)
		..11 1.11		JFCTRAN	"X'3B'" - T - EOD/EBCDIC TRANSLATION (7-track)
		...1 ..11		JFCCONV	"X'13'" - C - DATA CONVERSION (7-track)
		..1. 1.11		JFCTREV	"X'2B'" - ET - EVEN PARITY AND TRANSLATION (7-track)
		.... 1..		JFCCOMP	"X'08'" - COMP - ENHANCED 3480 DATA RECORDING
		.... ..1.		JFCNCOMP	"X'04'" - NOCOMP - ENHANCED 3480 DATA RECORDING
		..1. ..1.		JFC1TRAK	"X'42'" - TBD - RESERVED FUTURE DEVELOPMENT
		1.. ..1.		JFC2TRAK	"X'82'" - TBD - RESERVED FUTURE DEVELOPMENT
		11. ..1.		JFC4TRAK	"X'C2'" - TBD - RESERVED FUTURE DEVELOPMENT
93	(5D)	BITSTRING	1	JFCKEYLE (0)	- DIRECT ACCESS KEY LENGTH (DCB=KEYLEN=)
93	(5D)	BITSTRING	1	JFCODE (0)	- ** RESERVED-O ** (DCB=CODE=)
		1...		JFCNOCON	"X'80'" - N - NO CONVERSION ** RESERVED-O **
		..1.		JFCBCD	"X'40'" - I - IBM BCD ** RESERVED-O **
		..1.		JFCFRI	"X'20'" - F - FRIDEN ** RESERVED-O **
		...1		JFCBUR	"X'10'" - B - BURROUGHS ** RESERVED-O **
		.... 1..		JFCNCR	"X'08'" - C - NATIONAL CASH REGISTER ** RESERVED-O **
		.... ..1.		JFCASCII	"X'04'" - A - ASCII (8-TRACK) ** RESERVED-O **
		.... ..1.		JFCCTTY	"X'02'" - T - TELETYPE ** RESERVED-O **
		.... ...1		JFCRSV32	"X'01',C'X'" RESERVED
93	(5D)	BITSTRING	1	JFCMODE (0)	- MODE OF OPERATION (CARD READER, CARD PUNCH) (DCB=MODE=) ICB394
		1...		JFCBIN	"X'80'" - C - Card Image (COLUMN BINARY MODE)
		..1.		JFCBCD	"X'40'" - E - EBCDIC MODE
		..1.		JFCMODEO	"X'20'" - O - OPTICAL MARK READ MODE (3505 ONLY) ICB394
		...1		JFCMODER	"X'10'" - R - READ COLUMN ELIMINATE MODE (3505 AND 3525 WITH READ FEATURE) ICB394
		.... 1..		JFCRSV06	"X'08',C'X'" RESERVED
		.... ..1.		JFCRSV07	"X'04',C'X'" RESERVED
93	(5D)	BITSTRING	1	JFCSTACK (0)	- STACKER SELECTION (CARD READER, CARD PUNCH) (DCB=STACK=)
		.... ..1.		JFCTWO	"X'02'" - 2 - STACKER TWO
		.... ...1		JFCONE	"X'01'" - 1 - STACKER ONE
93	(5D)	BITSTRING	1	JFCPRTSP	- NORMAL PRINTER SPACING (DCB=PRTSP=)
		...1 1.1		JFCSPTHR	"X'19'" - 3 - SPACE THREE LINES
		...1 ..1.		JFCSP TWO	"X'11'" - 2 - SPACE TWO LINES
		.... 1.1		JFCSPONE	"X'09'" - 1 - SPACE ONE LINE
		.... ...1		JFCSPNO	"X'01'" - 0 - NO SPACING
94	(5E)	BITSTRING	1	JFCDEN	- TAPE DENSITY - 2400/3400 SERIES MAGNETIC TAPE UNITS (DCB=DEN=)
		.... ..11		JFC200	"X'03'" - 0 - 200 BPI (7-track)
		..1. ..11		JFC556	"X'43'" - 1 - 556 BPI (7-track)
		1.. ..11		JFC800	"X'83'" - 2 - 800 BPI (7-track and 9-track)
		11. ..11		JFC1600	"X'C3'" - 3 - 1600 BPI (9-track)
		11.1 ..11		JFC6250	"X'D3'" - 4 - 6250 BPI (9-track) ICB474
95	(5F)	SIGNED	3	JFCBABFS (0)	- TOTAL BUFFER SIZE FOR ALL VSAM BUFFERS (AMP=('BUFSP=num')) (VSAM) ICB438
95	(5F)	CHARACTER	3	JFCLIMCT (0)	- SEARCH LIMIT (BDAM) (DCB=LIMCT=) (value stored at offset JFCLIMCT+1)
95	(5F)	CHARACTER	1	JFCBOTHI	High order byte for JFCBOTTR. Valid only if JFCCTTR is on.

JFCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
96	(60)	CHARACTER	2	JFCTRKBL	- DATA SET OPENED FOR MOD - IF AUTOMATIC STEP RESTART WAS REQUESTED, TRACK BALANCE EXISTING WHEN THE DATA SET WAS FIRST OPENED DURING THE ORIGINAL EXECUTION OF THE CURRENT STEP
98	(62)	BITSTRING	2	JFCDSORG (0)	- DATA SET ORGANIZATION
98	(62)	BITSTRING	1	JFCDSRG1	- BYTE 1 OF JFCDSORG (DCB=DSORG=)
		1... ..		JFCORGIS	"X'80" - IS - INDEXED SEQUENTIAL
					Comment
					X'81' - ISU - INDEXED SEQUENTIAL Unmovable
					End of Comment
		.1.. ..		JFCORGPS	"X'40" - PS - PHYSICAL SEQUENTIAL
					Comment
					X'41' - PSU - PHYSICAL SEQUENTIAL Unmovable
					End of Comment
		..1.		JFCORGDA	"X'20" - DA - DIRECT ACCESS
					Comment
					X'21' - DAU - DIRECT ACCESS Unmovable
					End of Comment
		...1		JFCORGCX	"X'10" - CX - COMM. LINE GROUP (BTAM,QTAM) MDC011
		.... 1..		JFCORGCC	"X'08" - CQ - ** RESERVED-O ** MDC012
		.... .1.		JFCORGMC	"X'04" - MQ - ** RESERVED-O ** MDC013
		.... ..1.		JFCORGPO	"X'02" - PO - PARTITIONED
					Comment
					X'03' - POU - PARTITIONED Unmovable
					End of Comment
		.... ..1		JFCORGU	"X'01" - ..U - UNMOVABLE - THE DATA CONTAINS LOCATION DEPENDENT INFORMATION (used in conjunction with other settings)
99	(63)	BITSTRING	1	JFCDSRG2	- BYTE 2 OF JFCDSORG (DCB=DSORG= cont.)
		1..		JFCORGGS	"X'80" - GS - GRAPHICS
		.1..		JFCORGTX	"X'40" - - TCAM LINE GROUP MDC014
		..1.		JFCORGTQ	"X'20" - - TCAM MESSAGE QUEUE MDC015
		...1		JFCRSV13	"X'10',C'X'" RESERVED, BINARY ZERO
		.... 1..		JFCORGAM	"X'08" - - VSAM ICB438
		.... ..1.		JFCORGTR	"X'04" - - TCAM 3705 MDC016
		.... ..1.		JFCRSV15	"X'02',C'X'" RESERVED, BINARY ZERO
		.... ...1		JFCRSV16	"X'01',C'X'" RESERVED, BINARY ZERO
100	(64)	BITSTRING	1	JFCRECFM	- RECORD FORMAT (DCB=RECFM=) (AMP=('RECFM=))
		111.		JFCRCFM	"X'E0" - - RECORD FORMAT (USASI/USASCI)
		11..		JFCFMREC	"X'C0" - - HIGH-ORDER TWO BITS OF JFCRECFM TO BE TESTED FOR RECORD FORMAT
		11..		JFCUND	"X'C0" - U - UNDEFINED
		1..		JFCFIX	"X'80" - F - FIXED
		.1..		JFCVAR	"X'40" - V - VARIABLE
		..1.		JFCVARD	"X'20" - D - VARIABLE (FORMAT D FOR USASI/USASCI)
		..1.		JFCRFO	"X'20" - T - TRACK OVERFLOW
		...1		JFCRFB	"X'10" - B - BLOCKED - MAY NOT OCCUR WITH UNDEFINED
		.... 1..		JFCRFS	"X'08" - S - FOR FIXED LENGTH RECORD FORMAT, STANDARD BLOCKS. NO TRUNCATED BLOCKS OR UNFILLED TRACKS ARE EMBEDDED IN THE DATA SET. FOR VARIABLE LENGTH RECORD FORMAT, SPANNED RECORDS.
		.... ..1.		JFCCHAR	"X'06" - - CONTROL CHARACTER
		.... .1.		JFCASA	"X'04" - A - AMERICAN NATIONAL STANDARD (ASA) CONTROL CHARACTER (IOS/ANSI)
		.... ..1.		JFCMAC	"X'02" - M - MACHINE CODE CONTROL CHARACTER
		.... ....		JFCNOCC	"X'00" - - NO CONTROL CHARACTER
101	(65)	BITSTRING	1	JFCOPTCD	- OPTION CODES (DCB=OPTCD=)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
QSAM - BSAM - BPAM					
End of Comment					
		1...		JFCWVCSP	"X'80" - W - WRITE VALIDITY CHECK
		.1.		JFCALLOW	"X'40" - U - ALLOW A DATA CHECK CAUSED BY AN INVALID CHARACTER (1403 PRINTER WITH UCS FEATURE)
		..1.		JFCPCIBT	"X'20" - C - CHAINED SCHEDULING USING THE PROGRAM CONTROLLED INTERRUPTION
		...1		JFCBCKPT	"X'10" - H - BYPASS EMBEDDED DOS CHECKPOINT RECORDS ON TAPE ICB398
		.... 1..		JFCRSV18	"X'08',C'X" RESERVED
		.... .1..		JFCREDUC	"X'04" - Z - USE REDUCED ERROR RECOVERY PROCEDURE (MAGNETIC TAPE) (EXCP ALSO)
		.... .1..		JFCSRCHD	"X'04" - - USE SEARCH DIRECT (SD), INSTEAD OF SEARCH PREVIOUS, ON ROTATIONAL POSITION SENSING (RPS) DEVICE. (DIRECT ACCESS)
		.... ..1.		JFCRSV21	"X'02',C'X" RESERVED
		.... ...1		JFCOPTJ	"X'01" - J - 3800 CONTROL CHARACTER (MDC301)
Comment					
BISAM - QISAM					
End of Comment					
		1...		JFCWVCIS	"X'80" - W - WRITE VALIDITY CHECK
		.1.		JFCRSV17	"X'40',C'X" RESERVED
		..1.		JFCMAST	"X'20" - M - MASTER INDEXES
		...1		JFCIND	"X'10" - I - INDEPENDENT OVERFLOW AREA
		.... 1..		JFCCYL	"X'08" - Y - CYLINDER OVERFLOW AREA
		.... .1..		JFCRSV19	"X'04',C'X" RESERVED
		.... ..1.		JFCDEL	"X'02" - L - DELETE OPTION
		.... ...1		JFCREORG	"X'01" - R - REORGANIZATION CRITERIA
Comment					
BDAM					
End of Comment					
		1...		JFCWVCBD	"X'80" - W - WRITE VALIDITY CHECK
		.1.		JFCOVER	"X'40" - - TRACK OVERFLOW
		..1.		JFCEXT	"X'20" - E - EXTENDED SEARCH
		...1		JFCFEED	"X'10" - F - FEEDBACK
		.... 1..		JFCACT	"X'08" - A - ACTUAL ADDRESSING
		.... .1..		JFCRSV20	"X'04',C'X" RESERVED
		.... ..1.		JFCRSV22	"X'02',C'X" RESERVED
		.... ...1		JFCREL	"X'01" - R - RELATIVE BLOCK ADDRESSING
Comment					
USASI/USASCII					
End of Comment					
		.... 1..		JFCOPTQ	"X'08" - - EBCDIC TO ASCII OR ASCII TO EBCDIC TRANSLATION REQUIRED
Comment					
TCAM					
End of Comment					
		1...		JFCSDNAM	"X'80" - W - SOURCE OR DESTINATION NAME PRECEDES MESSAGE (AFTER CONTROL BYTE)
		.1.		JFCWUMSG	"X'40" - U - WORK UNIT IS A MESSAGE (DEFAULT WORK UNIT IS A RECORD)
		..1.		JFCBWBW	"X'20" - C - CONTROL BYTE PRECEDES WORK UNIT

JFCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
VSAM					
X'12' - IL - AMP=('OPTCD=IL')					
X'10' - I - AMP=('OPTCD=I')					
X'02' - L - AMP=('OPTCD=L')					
X'00' - - - AMP=('OPTCD=')					
End of Comment					
102	(66)	SIGNED	2	JFCBLKSI (0)	- MAXIMUM BLOCK SIZE (DCB=BLKSIZE=)
102	(66)	SIGNED	2	JFCBUFSI (0)	- MAXIMUM BUFFER SIZE (DCB=BUFSIZE=)
102	(66)	SIGNED	2	JFCBAXBF	- NUMBER OF INDEX BUFFERS (AMP=('BUFNI=num')) (VSAM) ICB438
104	(68)	SIGNED	2	JFCLRECL	- LOGICAL RECORD LENGTH (DCB=LRECL=)
106	(6A)	SIGNED	1	JFCNCP (0)	- NUMBER OF CHANNEL PROGRAMS (DCB=NCP=) MAXIMUM NUMBER OF READ OR WRITE REQUESTS WHICH MAY BE ISSUED PRIOR TO A CHECK. NUMBER OF IOB'S GENERATED. (MAXIMUM NUMBER IS 255.)
106	(6A)	SIGNED	1	JFCBUFMX	- MAXIMUM NUMBER OF BUFFERS (DCB=BUFMAX=) THE MAXIMUM NUMBER OF BUFFERS TO BE USED FOR DATA TRANSFER FOR EACH LINE IN THIS LINE GROUP (TCAM)
107	(6B)	SIGNED	1	JFCNTM (0)	- NUMBER OF TRACKS (DCB=NTM=) THE NUMBER OF TRACKS THAT DETERMINE THE DEVELOPMENT OF A MASTER INDEX. MAXIMUM NUMBER IS 99. (ISAM)
107	(6B)	BITSTRING	1	JFCPCI	- PROGRAM-CONTROLLED INTERRUPTION (PCI) FLAG BYTE (TCAM) (DCB=PCI=)
				JFCPCIX1	"X'80" - PCI=(X,) RECEIVE OPERATIONS ICB473
				JFCPCIX2	"X'40" - PCI=(X) SEND OPERATIONS X INDICATES THAT AFTER THE FIRST BUFFER IS FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON SEND OPERATIONS), A PCI OCCURS DURING THE FILLING OR EMPTING OF THE NEXT BUFFER. THE FIRST BUFFER REMAINS ALLOCATED AND ANOTHER IS ALLOCATED. ICB473
		..1.		JFCPCIA1	"X'20" - PCI=(A,) RECEIVE OPERATIONS
		...1		JFCPCIA2	"X'10" - PCI=(,A) SEND OPERATIONS A INDICATES THAT AFTER THE FIRST BUFFER IS FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON SEND OPERATIONS), A PCI OCCURS DURING THE FILLING OR EMPTING OF THE NEXT BUFFER. THE FIRST BUFFER IS DEALLOCATED. A BUFFER IS ALLOCATED IN PLACE OF THE DEALLOCATED BUFFER.
		.... 1..		JFCPCIN1	"X'08" - PCI=(N,) RECEIVE OPERATIONS
		.... .1..		JFCPCIN2	"X'04" - PCI=(,N) SEND OPERATIONS N INDICATES THAT NO PCIS ARE TAKEN DURING FILLING (ON RECEIVE OPERATIONS) OR EMPTING (ON SEND OPERATIONS) OF BUFFERS. BUFFERS ARE DEALLOCATED AT THE END OF TRANSMISSION.
		.... ..1.		JFCPCIR1	"X'02" - PCI=(R,) RECEIVE OPERATIONS
		.... ...1		JFCPCIR2	"X'01" - PCI=(,R) SEND OPERATIONS R INDICATES THAT AFTER THE FIRST BUFFER IS FILLED (ON RECEIVE OPERATIONS) OR EMPTIED (ON SEND OPERATIONS), A PCI OCCURS DURING THE FILLING OR EMPTING OF EACH SUCCEEDING BUFFER. THE COMPLETED BUFFER IS DEALLOCATED, BUT NO NEW BUFFER IS ALLOCATED TO TAKE ITS PLACE.
Comment					
NORMAL 108 SEGMENT					
End of Comment					
108	(6C)	BITSTRING	4	JFCRESRV (0)	- FIRST BYTE CONTAINS NUMBER OF BYTES FOR TIME OF DAY. SECOND BYTE CONTAINS NUMBER OF BYTES FOR DATE. THIRD BYTE CONTAINS NUMBER OF BYTES FOR OUT SEQ. FOURTH BYTE CONTAINS NUMBER OF BYTES IN. (TCAM)
108	(6C)	CHARACTER	4	JFCRBIDC (0)	- THE PHYSICAL LOCATION OF WHAT WILL BE THE FIRST STANDARD-LABEL HEADER RECORDS OF THE NEXT DATASET ON THE TAPE VOLUME
108	(6C)	SIGNED	2	JFCRKP	- THE RELATIVE POSITION OF THE FIRST BYTE OF THE KEY WITHIN EACH LOGICAL RECORD (DCB=RKP=) NOTE: The maximum value = (Logical Record Length - Key Length)
110	(6E)	BITSTRING	1	JFCCYLOF	- CYLINDER OVERFLOW (DCB=CYLOFL=) THE NUMBER OF TRACKS TO BE RESERVED ON EACH CYLINDER TO HOLD RECORDS THAT OVERFLOW FROM OTHER TRACKS ON THAT CYLINDER. NOTE: The maximum value is 99.
111	(6F)	CHARACTER	1	JFCDBUFN	- RESERVED
112	(70)	BITSTRING	1	JFCINTVL	- INTERVAL (DCB=INTVL=) INTENTIONAL DELAY, IN SECONDS, BETWEEN PASSES THROUGH A POLLING LIST

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>END OF NORMAL 108 SEGMENT 108 PRINTER SEGMENT NOTE THIS SEGMENT REPLACES THE NORMAL 108 SEGMENT IF THE DD STATEMENT USES THE UCS PARAMETER.</p>					
End of Comment					
108	(6C)	CHARACTER	4	JFCUCSID	- NAME OF THE UCS IMAGE TO BE LOADED (UCS=parm1)
112	(70)	BITSTRING	1	JFCUCSOP	- OPERATION OF THE UCS IMAGE TO BE LOADED
		1... ..		JFCBEXTP	"X'80'" - JFCB EXTENSION PRESENT FOR 3800 DEVICE The SVA in JFCBEXAD points to a JFCBE (MDC302)
		.1.		JFCFOLD	"X'40'" - UCS IMAGE IS TO BE LOADED IN THE FOLD MODE (UCS=x,FOLD)
		..1.		JFCRSV25	"X'20',C'X'" RESERVED
		...1		JFCVER	"X'10'" - UCS IMAGE IS TO BE VERIFIED (UCS=x,x,VERIFY)
		.... 1..		JFCFCBAL	"X'08'" - FORMS ARE TO BE ALIGNED (FCB=x,ALIGN)
		.... .1.		JFCFCBVR	"X'04'" - FORMS CONTROL BUFFER (FCB) IMAGE IS TO BE VERIFIED (FCB=x,x,VERIFY)
		.... ..1.		JFCRSV26	"X'02',C'X'" RESERVED
		.... ...1		JFCRSV27	"X'01',C'X'" RESERVED
Comment					
<p>END OF 108 PRINTER SEGMENT</p>					
End of Comment					
113	(71)	SIGNED	3	JFCOUTLI (0)	- SMF - SYSOUT LIMIT (OUTLIM=) Contains the maximum number of logical records specified for this output data set. MDC017
113	(71)	SIGNED	1	JFCTHRSH (0)	- THRESHOLD (DCB=THRSH=) Percentage of nonreusable disk message queue records that are to be used before a flush closedown occurs.
113	(71)	BITSTRING	1	JFCCPRI	- TRANSMISSION PRIORITY (DCB=CPRI=) (TCAM) PRIORITY BETWEEN SEND AND RECEIVE OPERATIONS
		1... ..		JFCRSV53	"X'80',C'X'" RESERVED MDC020
		.1.		JFCRSV54	"X'40',C'X'" RESERVED MDC019
		..1.		JFCRSV55	"X'20',C'X'" RESERVED MDC018
		...1		JFCRSV33	"X'10',C'X'" RESERVED
		.... 1..		JFCRSV34	"X'08',C'X'" RESERVED
		.... .1.		JFCRECV	"X'04'" - R - RECEIVE PRIORITY MDC018
		.... ..1.		JFCEQUAL	"X'02'" - E - EQUAL PRIORITY MDC019
		.... ...1		JFCSEND	"X'01'" - S - SEND PRIORITY MDC020
114	(72)	SIGNED	2	JFCSOWA	- ** RESERVED-O ** (DCB=SOWA=)
116	(74)	BITSTRING	1	JFCBNTCS	- NUMBER OF OVERFLOW TRACKS
117	(75)	BITSTRING	1	JFCBNVOL	- NUMBER OF VOLUME SERIAL NUMBERS
118	(76)	CHARACTER	30	JFCBVOLS (0)	- THE FIRST FIVE VOLUME SERIAL NUMBERS
118	(76)	CHARACTER	22		- FIRST 22 BYTES OF JFCBVOLS
140	(8C)	CHARACTER	8	JFCMSVGP	- ** RESERVED-O ** (MDC306)
148	(94)	BITSTRING	1	JFCBEXTL	- LENGTH OF BLOCK OF EXTRA VOLUME SERIAL NUMBERS (BEYOND FIVE)
149	(95)	CHARACTER	3	JFCBEXAD	- SYSTEM VIRTUAL ADDRESS (SVA) OF FIRST JFCB EXTENSION BLOCK JFCBX (IEFJFCBX) - contains additional vols JFCBE (IEFJFCBE) - contains 3800 printer info (MDC303)
152	(98)	CHARACTER	3	JFCBPQTY (0)	- SPACE= Primary quantity (SPACE=(,((prim-qty))) PRIMARY QUANTITY OF DIRECT ACCESS STORAGE REQUIRED
152	(98)	CHARACTER	3	JFCRUNIT	- UNIT TYPE (EBCDIC) OF A DEVICE AT A REMOTE TERMINAL. THE FIRST TWO CHARACTERS ARE RD (READER), PR (PRINTER) OR PU (PUNCH). THE THIRD CHARACTER IS A NUMBER FROM 1 TO 9 ICB387
155	(9B)	BITSTRING	1	JFCBCTRI	- SPACE PARAMETERS (SPACE=)
		11..		JFCBSPAC	"X'C0'" - BIT PATTERN FOR SPACE REQUESTS
		11..		JFCBCYL	"X'C0'" - CYL REQUEST (SPACE=(CYL,(...)))
		1...		JFCBTRK	"X'80'" - TRK REQUEST (SPACE=(TRK,(...)))
		.1.		JFCBAVR	"X'40'" - AVRAGE BLOCK LENGTH (blklgth) REQUEST (SPACE=(blklgth,(x,x)))
		..1.		JFCBMSGP	"X'20'" - ** RESERVED-O ** (MSVGP) (MDC307)
		...1		JFCBLKSZ	"X'10'" - ON indicates that the JFCBLKSI has been set to zero via external interface. Set to OFF by DFP Open once zero value is propagated. Set ON by: External interface Checked by: DFP Open Set OFF by: DFP Open
		.... 1..		JFCCONTIG	"X'08'" - CONTIG REQUEST (SPACE=(x,(x,x),,CONTIG))
		.... .1.		JFCMIXG	"X'04'" - MXIG REQUEST (SPACE=(x,(x,x),,MXIG))
		.... ..1.		JFCALX	"X'02'" - ALX REQUEST (SPACE=(x,(x,x),,ALX))
		.... ...1		JFCROUND	"X'01'" - ROUND REQUEST (SPACE=(x,(x,x),,ROUND))
		.... ....		JFCBABS	"X'00'" - ABSTR REQUEST (SPACE=(ABSTR,(...)))
156	(9C)	CHARACTER	3	JFCBSQTY (0)	- SPACE= Secondary quantity (SPACE=(,sec-qty))) SECONDARY QUANTITY OF DIRECT ACCESS STORAGE REQUIRED

JFCB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
156	(9C)	SIGNED	2	JFCRQID	- QUEUE IDENTIFICATION (QID) USED BY ACCESS METHOD TO DETERMINE THE REMOTE TERMINAL LOCATION FOR THIS JOB. ICB387
158	(9E)	BITSTRING	1		- LAST BYTE OF JFCBSQTY (MDC304)
159	(9F)	BITSTRING	1	JFCFLGS1	- FLAG BYTE (ICB488) SA53458
		1... ..		JFCBDLET	"X'80" - ** RESERVED-O ** (OS/VS1) (MDC305)
		1... ..		JFCBLSR	"X'80" - Batch/LSR dataset
		.1.		JFCTOPEN	"X'40" - TAPE DATA SET HAS BEEN OPENED MDC026
		..1.		JFCBADSP	"X'20" - AUTOMATIC DATA SET PROTECTION INDICATOR (MDC310)
		...1		JFCBPROT	"X'10" - RACF PROTECT REQUESTED (OS/VS2) (MDC314)
		.... 1...		JFCBCEOV	"X'08" - CHKPT=EOV SPECIFIED FOR THIS DATA SET (MDC312)
		.... ..1.		JFCVRDS	"X'04" - VIO DATA SET MDC006
		.... ..1.		JFCBCKDS	"X'02" - DATA SET IS CHECKPOINT DATASET
		.... ...1		JFCBUAFF	"X'01" - UNIT AFFINITY SPECIFIED FOR THIS DATA SET (ICB488) SA53458
160	(A0)	CHARACTER	3	JFCBDQTY	- SPACE= Directory quantity (SPACE=(,dir-qty)) QUANTITY OF DIRECT ACCESS STORAGE REQUIRED FOR A DIRECTORY OR AN EMBEDDED INDEX AREA
163	(A3)	ADDRESS	3	JFCBSPNM (0)	- ** RESERVED-O ** (OS/VS1) (MDC315)
163	(A3)	BITSTRING	1	JFCBFLG3	- FLAG BYTE (OS/VS2) (MDC316)
		1... ..		JFCDQDSP	"X'80" - REQUEST DEQUEUE OF TAPE VOLUME WHEN DEMOUNTED (MDC317)
		.1.		JFCBEXP	"X'40" - EXPIRATION DATE SPECIFIED (MDC318)
		..1.		JFCBBFTK	"X'20" - LRECL=NNNNNK WAS SPECIFIED
		...1		JFCPOSID	"X'10" - JFCRBIDO CONTAINS THE PHYSICAL LOCATION ON THE TAPE OF THE FIRST STANDARD-LABEL HEADER RECORD TO BE PROCESSED BY OPEN
		.... 1...		JFCTEMPS	"X'08" - This flag identifies a Temporary, SMS Managed DASD dataset. It is set by MVS Allocation's IEFAB490 module and used by DFP Open processing.
		.... ..1.		JFCBDDTK	"X'04" - Set on by IEFAB434 and IEFAB492 (Alloc) only across a DADSM ALLOCATE call to indicate register 6 contains a pointer to the DD token
		.... ..1.		JFCULEOV	"X'02" Request that volumes be unloaded and the SYSZVOLS ENQ be released when the end of volume is reached or CLOSE is processed
		.... ...1		JFCBRV07	"X'01','C'X" - RESERVED
164	(A4)	SIGNED	2	JFCBRV08	- RESERVED (OS/VS2)
166	(A6)	SIGNED	2	JFCBABST	- SPACE= Absolute track (ABSTR) request address (SPACE=(ABSTR,(prim-qty,address,)) RELATIVE ADDRESS OF FIRST TRACK TO BE ALLOCATED
168	(A8)	ADDRESS	3	JFCBSBNM	- ** RESERVED-O ** (SUBALLOC=)
171	(AB)	CHARACTER	3	JFCBDR LH	- SPACE= AVERAGE DATA BLOCK LENGTH (blklgth) (SPACE=(blklgth,(,)))
174	(AE)	BITSTRING	1	JFCBVLCT	- VOLUME COUNT (volct) (VOL=(,volct))
175	(AF)	BITSTRING	1	JFCVLDQ	- Volser dequeue indicators (bit placement corresponds to volser placement within JFCAVOLS, i.e., 1-5)
		1... ..		JFCVLDQ1	"X'80" First volser in JFCAVOLS has been dequeued
		.1.		JFCVLDQ2	"X'40" Second volser in JFCAVOLS has been dequeued
		..1.		JFCVLDQ3	"X'20" Third volser in JFCAVOLS has been dequeued
		...1		JFCVLDQ4	"X'10" Fourth volser in JFCAVOLS has been dequeued
		.... 1...		JFCVLDQ5	"X'08" Fifth volser in JFCAVOLS has been dequeued
175	(AF)	X'B0'	0	JFCBLGTH	"176" - LENGTH OF JFCB (x'B0')
175	(AF)	X'B0'	0	JFCBEND	***

JFCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
INFMJFCB	0	0	JFCBAXBF	66	
JFCABN	5C	20	JFCBBFTA	59	60
JFCACC	5C	80	JFCBBFTK	A3	20
JFCACT	65	8	JFCBBFTR	59	20
JFCADDED	56	C	JFCBBUFF	4E	2
JFCALLOW	65	40	JFCBCD	5D	40
JFCALX	9B	2	JFCBCEOV	9F	8
JFCAMCRO	38		JFCBCKDS	9F	2
JFCAMPTR	58		JFCBCKPT	65	10
JFCAMSTR	3A		JFCBCMPY	41	20
JFCAMSVA	58		JFCBCRDY	50	
JFCASA	64	4	JFCBCTRI	9B	
JFCASCI	5D	4	JFCBCYL	9B	C0
JFCBABFS	5F		JFCBDDTK	A3	4
JFCBABS	9B	0	JFCBDLET	9F	80
JFCBABST	A6		JFCBDQTY	A0	
JFCBADBF	3C		JFCBDR LH	AB	
JFCBADSP	9F	20	JFCBDSCB	35	
JFCBAL	42	40	JFCBDSNM	0	
JFCBAVR	9B	40	JFCBELNM	2C	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JFCBEND	AF	B0	JFCBUFNO	58	
JFCBEXAD	95		JFCBUFOF	43	
JFCBEXP	A3	40	JFCBUFRQ	58	
JFCBEXTL	94		JFCBUFSI	66	
JFCBEXTP	70	80	JFCBUR	5D	10
JFCBFALN	59		JFCBVLCT	AE	
JFCBFLG1	4D		JFCBVLSQ	46	
JFCBFLG2	4E		JFCBVOLS	76	
JFCBFLG3	A3		JFCBXPDT	53	
JFCBFLSQ	44		JFCCAT	34	80
JFCBFOFL	43	80	JFCCBWU	65	20
JFCBFOUT	58		JFCCHAR	64	6
JFCBFRID	38		JFCCMPNS	41	0
JFCBFTEK	59		JFCCODE	5D	
JFCBGDGA	57	4	JFCCOMP	5D	8
JFCBGNCP	59		JFCCONV	5D	13
JFCBHIAI	59		JFCCPRI	71	
JFCBIDRC	41	20	JFCCYL	65	8
JFCBIN	5D	80	JFCCYLOF	6E	
JFCBIND1	56		JFCDBUFN	6F	
JFCBIND2	57		JFCDEFER	4E	20
JFCBLGTH	AF	B0	JFCDEL	65	2
JFCBLKSI	66		JFCDEN	5E	
JFCBLKSZ	9B	10	JFCDISP	57	C0
JFCBLOCT	56	10	JFCDQDSP	A3	80
JFCBLP	42	10	JFCDSEQN	42	80
JFCBLSR	9F	80	JFCDSORG	62	
JFCBLSRD	2C		JFCDSRG1	62	
JFCBLTM	42	20	JFCDSRG2	63	
JFCBLTYP	42		JFCDUAL	4D	10
JFCBMASK	48		JFCDWORD	59	2
JFCBMED1	40	1	JFCDYN	59	8
JFCBMED2	40	2	JFCEBCD	5D	40
JFCBMED3	40	3	JFCEEFM2	40	80
JFCBMED4	40	4	JFCEEFM3	40	A0
JFCBMED5	40	5	JFCEEFM4	40	C0
JFCBMED6	40	6	JFCEFMT1	40	60
JFCBMED7	40	7	JFCEFMT2	40	70
JFCBMED8	40	8	JFCEFMT3	40	90
JFCBMED9	40	9	JFCEFMT4	40	B0
JFCBME10	40	A	JFCENT	57	4
JFCBME11	40	B	JFCEQUAL	71	2
JFCBME12	40	C	JFCEROPT	5C	
JFCBME13	40	D	JFCEVEN	5D	23
JFCBMSGP	9B	20	JFCExc	59	10
JFCBNEWV	56	4	JFCExt	65	20
JFCBNTCS	74		JFCFCBAL	70	8
JFCBNVOL	75		JFCFCBID	38	
JFCBOPS1	48		JFCFCBVR	70	4
JFCBOPS2	4F		JFCFEED	65	10
JFCBOTH1	5F		JFCFIX	64	80
JFCBOTTR	43		JFCFLGS1	9F	
JFCBPMEM	56	1	JFCFMREC	64	C0
JFCBPQTY	98		JFCFNCBD	44	8
JFCBPROT	9F	10	JFCFNCCI	44	80
JFCBPWBP	4D	1	JFCFNCCBP	44	20
JFCBQNAM	0		JFCFNCCBR	44	40
JFCBRLSE	56	40	JFCFNCCBT	44	2
JFCBRV07	A3	1	JFCFNCCBW	44	10
JFCBRV08	A4		JFCFNCCBX	44	4
JFCBRWPW	57	30	JFCFOLD	70	40
JFCBSBNM	A8		JFCFRI	5D	20
JFCBSCTY	57	10	JFCFUNC	44	
JFCBSPAC	9B	C0	JFCFWORD	59	1
JFCBSPNM	A3		JFCGDG	56	2
JFCBSQTY	9C		JFCHIER	59	84
JFCBSTAT	57	40	JFCHIER1	59	4
JFCBTDSI	40		JFCIND	65	10
JFCBTRK	9B	80	JFCINOP	4E	80
JFCBTSDM	34		JFCINTVL	70	
JFCBUAFF	9F	1	JFCIPLTX	2C	
JFCBUFIN	58		JFCKEYLE	5D	
JFCBUFL	5A		JFCCLIMCT	5F	
JFCBUFMX	6A		JFCLOC	56	30

JFCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JFCLRECL	68		JFCREDUC	65	4
JFCMAC	64	2	JFCREL	65	1
JFCMAST	65	20	JFCREORG	65	1
JFCMEDIA	40	F	JFCREQ	57	2
JFCMIXG	9B	4	JFCRESRV	6C	
JFCMOD	57	80	JFCRFB	64	10
JFCMODE	5D		JFCRFO	64	20
JFCMODEO	5D	20	JFCRFS	64	8
JFCMODER	5D	10	JFCRKP	6C	
JFCMODNW	4E	10	JFCRLSE	56	C0
JFCMSVGP	8C		JFCROUND	9B	1
JFCNCOMP	5D	4	JFCRQID	9C	
JFCNCP	6A		JFCRSV02	5C	8
JFCNCR	5D	8	JFCRSV03	5C	4
JFCNDCB	34	2	JFCRSV04	5C	2
JFCNDCB	34	4	JFCRSV05	5C	1
JFCNEW	57	C0	JFCRSV06	5D	8
JFCNL	42	1	JFCRSV07	5D	4
JFCNLREC	3E		JFCRSV13	63	10
JFCNOCC	64	0	JFCRSV15	63	2
JFCNOCMP	41	10	JFCRSV16	63	1
JFCNOCON	5D	80	JFCRSV17	65	40
JFCNOMED	40	0	JFCRSV18	65	8
JFCNOREC	40	0	JFCRSV19	65	4
JFCNOSPC	41	0	JFCRSV20	65	4
JFCNRPS	4E	20	JFCRSV21	65	2
JFCNSL	42	4	JFCRSV22	65	2
JFCNTM	6B		JFCRSV25	70	20
JFCNWRT	34	8	JFCRSV26	70	2
JFCOLD	57	40	JFCRSV27	70	1
JFCOMPTY	41	F0	JFCRSV31	44	1
JFCONE	5D	1	JFCRSV32	5D	1
JFCONTIG	9B	8	JFCRSV33	71	10
JFCOPEN	4D	F	JFCRSV34	71	8
JFCOPTCD	65		JFCRSV53	71	80
JFCOPTJ	65	1	JFCRSV54	71	40
JFCOPTQ	65	8	JFCRSV55	71	20
JFCORGAM	63	8	JFCRUNIT	98	
JFCORGCC	62	8	JFCSDNAM	65	80
JFCORGCC	62	10	JFCSDRPS	4E	8
JFCORGDA	62	20	JFCSDS	34	20
JFCORGGS	63	80	JFCSECUR	57	10
JFCORGIS	62	80	JFCSEND	71	1
JFCORGMQ	62	4	JFCSHARE	57	8
JFCORGPO	62	2	JFCSIM	59	40
JFCORGPS	62	40	JFCSKP	5C	40
JFCORGTQ	63	20	JFCSL	42	2
JFCORGTR	63	4	JFCSLCRE	4D	40
JFCORGTX	63	40	JFCSLDES	4D	20
JFCORGU	62	1	JFCNSVL	4D	8
JFCOUTLI	71		JFCSOWA	72	
JFCOUTOP	4E	40	JFCSPEC	41	F
JFCOVER	65	40	JFCSPNO	5D	1
JFCPAT	34	1	JFCSPONE	5D	9
JFCPCI	6B		JFCSPTHR	5D	19
JFCPCIA1	6B	20	JFCSP TWO	5D	11
JFCPCIA2	6B	10	JFCSRCHD	65	4
JFCPCIBT	65	20	JFCSTACK	5D	
JFCPCIN1	6B	8	JFCSTAND	4D	80
JFCPCIN2	6B	4	JFCSUL	42	A
JFCPCIR1	6B	2	JFCTDSI1	40	
JFCPCIR2	6B	1	JFCTDSI2	41	
JFCPCIX1	6B	80	JFCTEMP	57	1
JFCPCIX2	6B	40	JFCTEMPS	A3	8
JFCPDS	56	1	JFCTHRSH	71	
JFCPOSID	A3	10	JFCTOPEN	9F	40
JFCPRTSP	5D		JFCTOPT	5C	10
JFCRBIDC	6C		JFCTRACE	4E	4
JFCRBIDO	38		JFCTRAN	5D	3B
JFCRCFM	64	E0	JFC TREV	5D	2B
JFCRCTLG	4E	1	JFC TRKBL	60	
JFCRDCOM	41	1	JFC TRKNO	40	F0
JFCRECFM	64		JFC TRTCH	5D	
JFCRECV	71	4	JFC TTR	34	10

Name	Hex Offset	Hex Value
JFCTTY	5D	2
JFCTWO	5D	2
JFCUCSID	6C	
JFCUCSOP	70	
JFCULEOV	A3	2
JFCUND	64	C0
JFCVAR	64	40
JFCVARD	64	20
JFCVER	70	10
JFCVLDQ	AF	
JFCVLDQ1	AF	80
JFCVLDQ2	AF	40
JFCVLDQ3	AF	20
JFCVLDQ4	AF	10
JFCVLDQ5	AF	8
JFCVRDS	9F	4
JFCVSL	34	40
JFCWUMSG	65	40
JFCWVCBD	65	80
JFCWVCIS	65	80
JFCWVCSP	65	80
JFC1TRAK	5D	42
JFC128TK	40	30
JFC1600	5E	C3
JFC18TRK	40	10
JFC2TRAK	5D	82
JFC200	5E	3
JFC256TK	40	40
JFC36TRK	40	20
JFC384TK	40	50
JFC4TRAK	5D	C2
JFC556	5E	43
JFC6250	5E	D3
JFC800	5E	83

JFCBE Information

JFCBE Programming Interface information

Programming Interface information

JFCBE

ONLY the following fields are part of the programming interface information:

- JFCBBST
- JFCBCFS
- JFCBELEN
- JFCBEOPN
- JFCBMAGT
- JFCBTRS1
- JFCBTRS2
- JFCBTRS3
- JFCBTRS4
- JFCDSID
- JFCGRP1
- JFCGRP2
- JFCGRP3
- JFCGRP4
- JFCGRP5
- JFCGRP6
- JFCGRP7
- JFCGRP8
- JFCIDTRC
- JFCIMTOT
- JFCMODIF

End of Programming Interface information

JFCBE Heading Information • JFCBE Map

JFCBE Heading Information

Common Name: JOB FILE CONTROL BLOCK EXTENSION FOR 3800 PRINTER KEYWORDS
Macro ID: IEFJFCBE
DSECT Name: JFCBE
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236 or 237 (SWA), or 241 (MSTR)
 Key: 1
 Residency: Above or Below
Size: 176
 Frequency: One per DD when 3800 device information specified on the allocation request.
Created by: Interpreter and Dynamic Allocation
Pointed to by: - Register 0 on entry to the DFSMS OPEN JFCBE user exit
Serialization: None for Interpreter, SVC 99 processing for Dynamic Allocation and Unallocation
Function: This macro maps the Job File Control Block Extension for the 3800 device.

JFCBE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JFCBE	, -
0	(0)	CHARACTER	3	JFCBEXTR	- SVA FOR NEXT EXTENSION BLOCK
3	(3)	BITSTRING	1	JFCBETYP	- TABLE ID OF JFCBE
3	(3)	X'29'	0	JFCBEID	"41" - JFCBE IDENTIFIER
4	(4)	BITSTRING	1	JFCBFLAG	- FLAG BYTE
		1...		JFCBEOPN	"X'80" - USER OPEN EXIT MODIFIED THIS BLOCK - The flag is set in the exit routine (MDC304)
		.1..		JFCBE003	"X'40',C'X'" - RESERVED
		..1.		JFCBE004	"X'20',C'X'" - RESERVED
		...1		JFCBE005	"X'10',C'X'" - RESERVED
		.... 1..		JFCBE006	"X'08',C'X'" - RESERVED
		.... .1.		JFCBCFS	"X'04" - CONTINUOUS FORM STACKING (BURST=NO)
		.... .1.		JFCBBST	"X'02" - BURST FORM STACKING (BURST=YES)
		.... ...1		JFCBE007	"X'01',C'X'" - RESERVED
5	(5)	SIGNED	1	JFCIDTRC	- TABLE REFERENCE CHARACTER FOR COPY MODIFICATION PATTERN (MODIFY=(,trc))
6	(6)	BITSTRING	1	JFCBE008	- RESERVED
7	(7)	SIGNED	1	JFCIMTOT	- NUMBER OF IMAGE COPIES (FLASH=(,count))
8	(8)	CHARACTER	4	JFCBMAGT	- FORMS IMAGE CARTRIDGE ID (FLASH=(overlay-name))
12	(C)	CHARACTER	4	JFCMODIF	- COPY MODIFICATION ID (MODIFY=module-name)
16	(10)	CHARACTER	4	JFCBE009	- RESERVED (MDC301)
20	(14)	CHARACTER	4	JFCBTRS1	- NAME OF TRANSLATE TABLE 1 (CHARS=tbl-name1)
24	(18)	CHARACTER	4	JFCBTRS2	- NAME OF TRANSLATE TABLE 2 (CHARS=(t1,tbl-name2))
28	(1C)	CHARACTER	4	JFCBTRS3	- NAME OF TRANSLATE TABLE 3 (CHARS=(t1,t2,tbl-name3))
32	(20)	CHARACTER	4	JFCBTRS4	- NAME OF TRANSLATE TABLE 4 (CHARS=(t1,t2,t3,tbl-name4))
36	(24)	CHARACTER	8	JFCGROUP (0)	- OUTPUT DISTRIBUTION IN GROUPS
36	(24)	SIGNED	1	JFCGRP1	- FOR FIRST GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp1)))
37	(25)	SIGNED	1	JFCGRP2	- FOR SECOND GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp2)))
38	(26)	SIGNED	1	JFCGRP3	- FOR THIRD GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp3)))
39	(27)	SIGNED	1	JFCGRP4	- FOR FOURTH GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp4)))
40	(28)	SIGNED	1	JFCGRP5	- FOR FIFTH GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp5)))
41	(29)	SIGNED	1	JFCGRP6	- FOR SIXTH GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp6)))
42	(2A)	SIGNED	1	JFCGRP7	- FOR SEVENTH GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp7)))
43	(2B)	SIGNED	1	JFCGRP8	- FOR EIGHTH GROUP, NUMBER OF TIMES EACH PAGE IS PRINTED BEFORE GOING TO NEXT PAGE (COPIES=(n,(gp8)))
44	(2C)	CHARACTER	8	JFCDSID	- DSID ID VALUE (DSID=id), placed here for 3540 diskette compatibility
52	(34)	BITSTRING	124	JFCBE010	- RESERVED
52	(34)	X'BO'	0	JFCBELEN	"*_JFCBE" - LENGTH OF JFCB EXTENSION (MDC302)
52	(34)	X'34'	0	JFCBEULN	"JFCBE010-JFCBE" LENGTH OF USED FIELDS IN JFCB EXTENSION (MDC303)

JFCBE Cross Reference

Name	Hex Offset	Hex Value
JFCBBST	4	2
JFCBCFS	4	4
JFCBE	0	
JFCBEID	3	29
JFCBELEN	34	B0
JFCBEOPN	4	80
JFCBETYP	3	
JFCBEULN	34	34
JFCBEXTR	0	
JFCBE003	4	40
JFCBE004	4	20
JFCBE005	4	10
JFCBE006	4	8
JFCBE007	4	1
JFCBE008	6	
JFCBE009	10	
JFCBE010	34	
JFCBFLAG	4	
JFCBMAGT	8	
JFCBTRS1	14	
JFCBTRS2	18	
JFCBTRS3	1C	
JFCBTRS4	20	
JFCDSID	2C	
JFCGROUP	24	
JFCGRP1	24	
JFCGRP2	25	
JFCGRP3	26	
JFCGRP4	27	
JFCGRP5	28	
JFCGRP6	29	
JFCGRP7	2A	
JFCGRP8	2B	
JFCIDTRC	5	
JFCIMTOT	7	
JFCMODIF	C	

JFCBX Information

JFCBX Programming Interface information

Programming Interface information

JFCBX

ONLY the following fields are part of the programming interface information:

- JFCBXNXT
- JFCBXTTTR
- JFCBXVOL
- JFCXVD
- JFCXVD1
- JFCXVD10
- JFCXVD11
- JFCXVD12
- JFCXVD13
- JFCXVD14
- JFCXVD15
- JFCXVD2
- JFCXVD3
- JFCXVD4
- JFCXVD5
- JFCXVD6
- JFCXVD7
- JFCXVD8
- JFCXVD9

End of Programming Interface information

JFCBX Heading Information • JFCBX Map

JFCBX Heading Information

Common Name: JOB FILE CONTROL BLOCK EXTENSION
Macro ID: IEFJFCBX
DSECT Name: JFCBX (defined by invoker)
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236 or 237 (SWA), or 241 (MSTR)
 Key: 1
 Residency: Above or Below
Size: 176
 FREQUENCY = One or more per DD with more than five volume serial numbers specified. Each JFCBX holds up to 15 volume serial numbers.
Created by: Interpreter and Dynamic Allocation
Pointed to by: - JFCBEXAD field (SVA) of the JFCB data area
 - JFCBXNXT field (pointer) of the JFCBX data area
 - SWBUFPTTR field in IEFZB506 upon return from IEFQMREQ macro (Preferred method of SVA translation)
 - SWBLKPTR field in IEFZB505 upon return from SWAREQ macro
Serialization: None for Interpreter, SVC 99 processing for Dynamic Allocation and Unallocation
Function: This macro maps the Job File Control Block Extension. It is used to record volume serial numbers in excess of the five recorded in the JFCBVOLS field of the JFCB.

JFCBX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	CHARACTER	3	JFCBXTTTR	- SVA FOR NEXT EXTENSION BLOCK
3	(3)	CHARACTER	1		- RESERVED
4	(4)	CHARACTER	6	JFCBXVOL (15)	- MAXIMUM NO. OF 15-SIX BYTE VOL. SER. NUMBERS
94	(5E)	CHARACTER	2		- RESERVED
96	(60)	CHARACTER	44	JFCBXNAM	- ALIAS NAME FOR DSNAME IN THE JFCB (MDC002) YM3584
140	(8C)	CHARACTER	4	JFCBXDEV	- DEVICE TYPE RETRIEVED FROM CATALOG FOR RECATALOG (MDC003) YM3584
144	(90)	BITSTRING	2	JFCXVD	- Volser dequeue indicators (bit placement corresponds to volser placement within JFCBXVOL, i.e., 1-15)
144	(90)	BITSTRING	0	JFCXVD1	"X'8000" First volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD2	"X'4000" Second volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD3	"X'2000" Third volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD4	"X'1000" Fourth volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD5	"X'0800" Fifth volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD6	"X'0400" Sixth volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD7	"X'0200" Seventh volser in JFCBXVOL was dequeued
144	(90)	BITSTRING	0	JFCXVD8	"X'0100" Eighth volser in JFCBXVOL was dequeued
		1...		JFCXVD9	"X'0080" Ninth volser in JFCBXVOL was dequeued
		.1..		JFCXVD10	"X'0040" Tenth volser in JFCBXVOL was dequeued
		..1.		JFCXVD11	"X'0020" Eleventh volser in JFCBXVOL was dequeued
		...1		JFCXVD12	"X'0010" Twelfth volser in JFCBXVOL was dequeued
		.... 1...		JFCXVD13	"X'0008" Thirteenth volser in JFCBXVOL was dequeued
		.... .1..		JFCXVD14	"X'0004" Fourteenth volser in JFCBXVOL was dequeued
		.... ..1.		JFCXVD15	"X'0002" Fifteenth volser in JFCBXVOL was dequeued
146	(92)	CHARACTER	26		- RESERVED
172	(AC)	ADDRESS	4	JFCBXNXT	- ADDRESS OF NEXT JFCB EXTENSION MDC001

JFCBX Cross Reference

Name	Hex Offset	Hex Value
JFCBXDEV	8C	
JFCBXNAM	60	
JFCBXNXT	AC	
JFCBXTTR	0	
JFCBXVOL	4	
JFCXVD	90	
JFCXVD1	90	8000
JFCXVD10	90	40
JFCXVD11	90	20
JFCXVD12	90	10
JFCXVD13	90	8
JFCXVD14	90	4
JFCXVD15	90	2
JFCXVD2	90	4000
JFCXVD3	90	2000
JFCXVD4	90	1000
JFCXVD5	90	800
JFCXVD6	90	400
JFCXVD7	90	200
JFCXVD8	90	100
JFCXVD9	90	80

JICA Information

JICA Heading Information

Common Name: JES/INTERPRETER COMMUNICATIONS AREA
Macro ID: IEFJICA
DSECT Name: JICA
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: JICA
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: 253
 Key: 0
 Residency: Below
Size: 256 bytes
 Frequency: 1 per invocation of Interpreter
Created by: The Initiator and JES3
Pointed to by: NELJICA field of the IEFNEL data area
Serialization: None
Function: Mapping for the JES/Interpreter Communications Area (JICA), which is an extension of IEFNEL.

JICA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JICA	
0	(0)	CHARACTER	4	JICAID	IDENTIFIER 'JICA' ACRONYM
4	(4)	BITSTRING	1	JICAVERS	VERSION NUMBER
5	(5)	CHARACTER	1	JICARSV1	RESERVED
6	(6)	SIGNED	2	JICALGTH	LENGTH OF JICA
8	(8)	CHARACTER	8	JICASPAF (0)	SPOOL ACCESS FACILITY TOKENS
8	(8)	ADDRESS	4	JICASRQT	SCHEDULING REQUIREMENTS TOKEN
12	(C)	ADDRESS	4	JICAJOBT	JOB INFORMATION SPOOL ACCESS FACILITY TOKEN
16	(10)	CHARACTER	8	JICAUSER	USER ID
24	(18)	CHARACTER	8	JICAGRP	GROUP ID
32	(20)	CHARACTER	4	JICASSNM	SUBSYSTEM NAME
36	(24)	BITSTRING	1	JICAXMOD	EXECUTION MODE NOTE: any changes made to this field must also be made to field SSSA7XMD in the IEFSSSA mapping macro
		1... ..		JICABTCH	"X'80" BATCH
		.1.. ..		JICATASK	"X'40" TASK
		..1.		JICATSO	"X'20" TSO
		...1		JICADYAS	"X'10" BYPASS DYNALLOC SPACE PROCESSING
		.... 1...		JICASCAN	"X'08" TYPRUN=SCAN SPECIFIED
37	(25)	CHARACTER	3	JICARSV2	RESERVED
40	(28)	ADDRESS	4	JICAPLCO	SCHEDULING SERVICES PLCO OUTPUT SSOB EXTENSION
44	(2C)	ADDRESS	4	JICANVOL	POINTER TO A LIST OF NON-STORAGE SUBSYSTEM MANAGED CATALOG VOLUMES
48	(30)	BITSTRING	1	JICADSBP	SUBPOOL TO RETURN DATA IN
49	(31)	CHARACTER	80	JICAUTKN	UTOKEN TO PASS TO SMS IDAX
129	(81)	CHARACTER	127	JICARSV3	RESERVED
Comment					
ADDITIONAL DATA					
End of Comment					
129	(81)	X'2'	0	JICACVER	"2" VERSION NUMBER
129	(81)	X'100'	0	JICAFIXD	"*-JICA" LENGTH OF JICA

JICA Cross Reference

JICA Cross Reference

Name	Hex Offset	Hex Value
JICA	0	
JICABTCH	24	80
JICACVER	81	2
JICADSBP	30	
JICADYAS	24	10
JICAFIXD	81	100
JICAGRP	18	
JICAID	0	
JICAJOBT	C	
JICALGTH	6	
JICANVOL	2C	
JICAPLCO	28	
JICARSV1	5	
JICARSV2	25	
JICARSV3	81	
JICASCAN	24	8
JICASPAF	8	
JICASRQT	8	
JICASSNM	20	
JICATASK	24	40
JICATSO	24	20
JICAUSER	10	
JICAUTKN	31	
JICAVERS	4	
JICAXMOD	24	

JMR Information

JMR Programming Interface information

Programming Interface information

JMR

End of Programming Interface information

JMR Heading Information • JMR Map

JMR Heading Information

Common Name: Job Management Record
Macro ID: IEFJMR
DSECT Name: JMR
Owning Component: Interpreter - CI (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Obtained via GETMAIN
 Subpool: 255, 236 or 237
 Key: 1
 Residency: Below
Size: 148 bytes (decimal)
 Frequency: 1 per job
Created by: IEFSMFIE or IEFTB721
Pointed to by: TCTJMR field of the TCT (IEFTCT) data area
Serialization: None
Function: Contains job information accumulated by IBM-supplied data collection routines. It is also an information source for JES and the user exit routines.

JMR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JMR	
0	(0)	CHARACTER	8	JMRJOB	JOB NAME
8	(8)	SIGNED	4	JMRENTY	ENTRY TIME IN 1/100'S SEC
12	(C)	SIGNED	4	JMREDATE	ENTRY DATE 0CYDDDF
16	(10)	CHARACTER	4	JMRCPUID	CPU - SID AND MDL FROM SMCA
20	(14)	CHARACTER	8	JMRUSEID	User-defined identification field (taken from common exit parameter area).
28	(1C)	CHARACTER	1	JMRSTEP	STEP NUMBER
28	(1C)	X'1D'	0	JMRLGEND	***
28	(1C)	X'1D'	0	JMRLOGSZ	"JMRLGEND-JMRJOB" SIZE OF JOB LOG
29	(1D)	CHARACTER	1	JMRINDC	INDICATOR SWITCHES 20011

Comment

BIT MEANINGS SAME AS JMROPT FIELD 20011

End of Comment

30	(1E)	CHARACTER	1	JMRFLG	JOB STATUS INDICATOR Y02668
		1...		JMRSTRS	"X'80" STEP RESTART Y02668
		.1.		JMRCHRS	"X'40" CHECKPOINT RESTART Y02668
		..1.		JMRCNRS	"X'20" CONTINUE RESTART Y02668
		...1		JMRABCOD	"X'10" ON=COMP CODE IN JES3 JMRCONDC FIELD OFF=CONDITION
		.... 1...		JMRWARM	"X'08" WARMSTART JOB Y02668
31	(1F)	CHARACTER	1	JMRCLASS	JOB CLASS
32	(20)	SIGNED	4	JMRUCOM	USER COMMUNICATION - INITIALIZED 0
36	(24)	SIGNED	4	JMRUTLP	POINTER TO USER TIME LIMIT EXIT ROUTINE PARAMETER AREA
36	(24)	X'28'	0	JMRSIZE	"*-JMR" SIZE OF JMR IN CORE, Used by JES
40	(28)	SIGNED	4	JMRDRSTP (2)	RDR STOP TIME AND DATE
48	(30)	SIGNED	4	JMRJOBIN	JOB SYSIN CT
52	(34)	CHARACTER	2	JMRDRDR	RDR DEVICE CLASS AND TYPE
54	(36)	CHARACTER	1	JMROPT	OPTION SWITCHES
		1...		JMRJOBWS	"X'80" JOB FUNCTIONS REQUESTED
		.1.		JMRSTPSW	"X'40" STEP FUNCTIONS REQUESTED
		..1.		JMREXITS	"X'20" USER EXITS REQUESTED
		...1		JMRXONLY	"X'10" EXITS ONLY SPECIFIED
		.... ...1		JMRFINDD	"X'01" FOREGROUND INDICATED 20011
55	(37)	CHARACTER	1	JMRVERSN	JMR VERSION
55	(37)	X'0'	0	JMRVER0	"0" JMR: Version 0 DSECT is 76 bytes
55	(37)	X'1'	0	JMRVER1	"1" JMRE: For version 1, JMR extension DSECT extends the JMR DSECT by 72 bytes

Comment

Note: JMR and JMRE DSECT storage must be contiguous

End of Comment

56	(38)	SIGNED	4	(0)	
56	(38)	CHARACTER	5	JMRSYSOC	SYSOUT CLASSES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
PARM LIST PASSED TO IEFUJV IN C/I					
End of Comment					
61	(3D)	CHARACTER	1	JMRJCLCD	JCL CODE
		1... ..		JMRCIV	"X'80" CODE 128 - C/I DEFINED JCL VERB NOT DEFINED BELOW
		.1.. ..		JMRJDTVB	"X'40" CODE 64 - JDT-DEFINED JCL VERB
		..1. ..		JMRINTRP	"X'20" CODE 32 - JCL HAS BEEN INTERPRETED
		...1 ..		JMRCNVTD	"X'10" CODE 16 - JCL HAS BEEN CONVERTED
		.... 1..		JMRPROCV	"X'08" CODE 8 - PROC VERB
		.... .1..		JMRDDV	"X'04" CODE 4 - DD VERB
		.... ..1.		JMREXECV	"X'02" CODE 2 - EXEC VERB
		.... ...1		JMRJOBV	"X'01" CODE 1 - JOB VERB
Comment					
X'00' CODE 0 - NULL VERB					
End of Comment					
62	(3E)	CHARACTER	1	(2)	
64	(40)	SIGNED	4	JMRJOBP	PTR TO JOB LOG
68	(44)	SIGNED	4	JMRJCLP	PTR TO JCL CARD
72	(48)	SIGNED	4	JMRJCLCP	PTR TO JCL CODE
72	(48)	X'40'	0	JMRPTRS	"JMRJOBP"
72	(48)	X'4C'	0	JMRELENG	"-JMRJOB" Size of base JMR
76	(4C)	SIGNED	4	JMRENDV0 (0)	End of Version 0 JMR - See JMRVERSN

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JMRE	, JMR version 1 extension
0	(0)	X'0'	0	JMRPARM1	*** Version 1 fields
0	(0)	CHARACTER	8	JMRCLAS8	8 character jobclass
8	(8)	CHARACTER	64	JMRJOBCORRELATOR	
72	(48)	SIGNED	4	JMRENDV1 (0)	JES job correlator for inclusion in SMF records
72	(48)	X'48'	0	JMRELEN1	End of Version 1 JMRE - See JMRVERSN
72	(48)	SIGNED	4	JMREENDG (0)	***-JMRE" Length of V1 JMR extension
72	(48)	X'48'	0	JMRELENG	End of JMR Extension
					***-JMRE" Length of JMR extension

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JMR	Resume JMR DSECT

JMR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JMR	0		JMREXECV	3D	2
JMR	0		JMREXITS	36	20
JMRABCOD	1E	10	JMRFIND	36	1
JMRCHRS	1E	40	JMRFLG	1E	
JMRCIV	3D	80	JMRINDC	1D	
JMRCLASS	1F		JMRINTRP	3D	20
JMRCLAS8	0		JMRJCLCD	3D	
JMRCNRS	1E	20	JMRJCLCP	48	
JMRCNVTD	3D	10	JMRJCLP	44	
JMRCPUID	10		JMRJDTVB	3D	40
JMRDDV	3D	4	JMRJOB	0	
JMRDRSTP	28		JMRJOBCORRELATOR		
JMRE	0			8	
JMREDATE	C		JMRJOBIN	30	
JMREENDG	48		JMRJOBP	40	
JMRELENG	48	48	JMRJOBV	36	80
JMRELEN1	48	48	JMRJOBV	3D	1
JMRENDV0	4C		JMRELENG	48	4C
JMRENDV1	48		JMRLGEND	1C	1D
JMRENTRY	8		JMRLOGSZ	1C	1D

JMR Cross Reference

Name	Hex Offset	Hex Value
JMROPT	36	
JMRPARG1	0	0
JMRPROCV	3D	8
JMRPTRS	48	40
JMRRDR	34	
JMRSIZE	24	28
JMRSTEP	1C	
JMRSTPSW	36	40
JMRSTRS	1E	80
JMRSYSOC	38	
JMRUCOM	20	
JMRUSEID	14	
JMRUTLP	24	
JMRVERSN	37	
JMRVER0	37	0
JMRVER1	37	1
JMRWARM	1E	8
JMRXONLY	36	10

JSAB Information

JSAB Programming Interface information

Programming Interface information

JSAB

INCLUDE ONLY

End of Programming Interface information

JSAB Heading Information • JSAB Map

JSAB Heading Information

Common Name: Job scheduler address space control block
Macro ID: IAZJSAB
DSECT Name: IAZJSAB
Owning Component: JES Common (SC141)
Eye-Catcher ID: JSAB
 Offset: JSABID-JSAB
 Length: L'JSABID
Storage Attributes: Subpool: 245 (address space level) or 253 (subtask level)
 Key: 0
 Residency: Above or below 16M
Size: See JSABSIZE
Created by: JES2, JES3
Pointed to by: ASSEBJSAB field of the ASSB data area
 STCBJSAB field of the STCB data area
Serialization: None.
Function: Provides information about the job currently running in an address space.

JSAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IAZJSAB	
0	(0)	X'0'	0	JSAB	"IAZJSAB" ALTERNATE DSECT NAME
0	(0)	CHARACTER	4	JSABID	JSAB ID
4	(4)	ADDRESS	4	JSABNEXT	JSAB CHAIN FIELD
8	(8)	SIGNED	4	JSABLEN	Length of control block

Comment

Preceding fields are "frozen" for SUMMARY DUMP purposes

End of Comment

12	(C)	BITSTRING	1	JSABVERS	CONTROL BLOCK VERSION
12	(C)	X'1'	0	JSABVRS1	"1" JSAB version 1
12	(C)	X'2'	0	JSABVRS2	"2" JSAB version 2
12	(C)	X'2'	0	JSABVRSN	"2" Current JSAB version
13	(D)	BITSTRING	1	JSABFLG1	JSAB FLAG 1
		1... ..		JSABNVAL	"B'10000000" This JSAB is not valid (It is LOGICALLY deleted)
		.1... ..		JSABSTSK	"B'01000000" Subtask level JSAB
14	(E)	BITSTRING	1	JSABFLG2	JSAB FLAG 2
15	(F)	BITSTRING	1	JSABCLR (0)	Start of re-use clear area
15	(F)	BITSTRING	1	JSABCLEV	CREATING COMPONENT'S CODE LEVEL (JSABVRSN LAST TIME JSAB-CREATING CODE WAS UPDATED)
16	(10)	CHARACTER	1	JSABBLST (0)	START OF CHARACTER DATA
16	(10)	CHARACTER	4	JSABSCID	SCHEDULING COMPONENT'S ID (JES2, JES3)
20	(14)	CHARACTER	8	JSABWKID (0)	WORK UNIT ID
20	(14)	CHARACTER	8	JSABJBID	JOB ID
28	(1C)	CHARACTER	8	JSABJBNM	JOB NAME
36	(24)	CHARACTER	8	JSABPREF	PREFIX USED IN MESSAGES JES2 -> EQUAL TO JSABJBID JES3 -> EQUAL TO JSABJBNM
44	(2C)	CHARACTER	8	JSABUSID	USERID
52	(34)	CHARACTER	4	JSABSSNM	Creating Subsystem name
56	(38)	CHARACTER	16	JSABRESC	Reserved for future use
56	(38)	X'48'	0	JSABBLND	"" END OF CHARACTER DATA
72	(48)	DBL WORD	8	JSABESTK	PROGRAM ENTRY START TIME (STORE CLOCK TIME - STCK)
80	(50)	DBL WORD	8	JSABXSTK	PROGRAM EXECUTION START TIME (STORE CLOCK TIME - STCK)
88	(58)	ADDRESS	4	JSABUSER	USER AREA POINTER
92	(5C)	CHARACTER	8	JSABGPNM	XCF group name
100	(64)	BITSTRING	8	JSABJSTA (0)	JES Status
100	(64)	BITSTRING	1	JSABJFL1	JES Status flags
		1... ..		JSABJ1SP	"B'10000000" JES supports JES status
		.1... ..		JSABJ1PS	"B'01000000" Waiting for PSO
		..1... ..		JSABJ1CN	"B'00100000" Waiting for CS (Cancel)
		...1... ..		JSABJ1ST	"B'00010000" Waiting for CS (Status)
		.... 1... ..		JSABJ1TR	"B'00001000" Waiting for job term
		.... .1... ..		JSABJ1RQ	"B'00000100" Waiting for job reenqueue
		.... ..1... ..		JSABJ1IW	"B'00000010" Initiator waiting for job
		.... ...1... ..		JSABJ1SS	"B'00000001" Waiting for SPOOL space
101	(65)	BITSTRING	1	JSABJFL2	More JES Status flags
		1... ..		JSABJ2CM	"B'10000000" Waiting for JES Cross Memory Lock (JES2 only)
		.1... ..		JSABJ2SA	"B'01000000" Waiting for SAPI
		..1... ..		JSABJ2NU	"B'00100000" Waiting for notify user (JES3 only)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		JSABJ2ES	"B'00010000" Waiting for extended status (JES3 only)
		.... 1...		JSABJ2PC	"B'00001000" Waiting for JES class properties (JES3 only)
		.... .1..		JSABJ2PN	"B'00000100" Waiting for JES nodes properties (JES3 only)
		.... ..1.		JSABJ2PS	"B'00000010" Waiting for JES spool properties (JES3 only)
		.... ...1		JSABJ2PI	"B'00000001" Waiting for JES inits properties (JES3 only)
102	(66)	BITSTRING	1	JSABJFL3	More JES Status flags
		1...		JSABJ3PX	"B'10000000" Waiting for JES JESPLEX properties (JES3 only)
		.1..		JSABJ3WO	"B'01000000" Waiting for WTO (JES3 only)
		..1.		JSABJ3ER	"B'00100000" Waiting for ENDREQ (JES3 only)
		...1		JSABJ3JD	"B'00010000" Waiting for JDS access (JES3 only)
		.... 1...		JSABJ3DA	"B'00001000" Waiting for dynamic allocation (JES3 only)
		.... .1..		JSABJ3TC	"B'00000100" Waiting for TCPIP NJE global services (JES3 only)
		.... ..1.		JSABJ3FS	"B'00000010" Waiting for FSS request - writer (JES3 only)
		.... ...1		JSABJ3CI	"B'00000001" Waiting for CI driver - CI FSS (JES3 only)
103	(67)	BITSTRING	1	JSABJFL4	More JES Status flags
		1...		JSABJ4ST	"B'10000000" Waiting for SETUP request (JES3 only)
		.1..		JSABJ4VL	"B'01000000" Waiting for validate destination (JES3 only)
		..1.		JSABJ4SJ	"B'00100000" Waiting for SJF services (JES3 only)
		...1		JSABJ4DY	"B'00010000" Waiting for dynamic allocation change of DD (JES3 only)
		.... 1...		JSABJ4DC	"B'00001000" Waiting for dynamic allocation via SSOBDYCD (JES3 only)
		.... .1..		JSABJ4NQ	"B'00000100" Waiting for change ENQ use (JES3 only)
		.... ..1.		JSABJ4DD	"B'00000010" Waiting for change DD name (JES3 only)
		.... ...1		JSABJ4JD	"B'00000001" Waiting for JES Device Info (JES3 only)
104	(68)	BITSTRING	4		Reserved for status flags
108	(6C)	SIGNED	4	JSABRESV (5)	Reserved for future use
128	(80)	DBL WORD	8	(0)	Cause double word boundary
128	(80)	X'80'	0	JSABSIZ1	**-JSAB" Length OF JSAB version 1
128	(80)	X'71'	0	JSABCLRL	**-JSABCLR" Length of re-use clear area
128	(80)	CHARACTER	64	JSABCORR	Job correlator
192	(C0)	DBL WORD	8	(0)	Cause double word boundary
192	(C0)	X'C0'	0	JSABSIZ2	**-JSAB" Length OF JSAB version 2
192	(C0)	X'C0'	0	JSABSIZE	**-JSAB" LENGTH OF JSAB
192	(C0)	X'38'	0	JSABBLSZ	"JSABBLND-JSABBLST" LENGTH OF CHARACTER AREA

Comment

RETURN CODES

End of Comment

192	(C0)	X'0'	0	JSABOK	"0" JSAB PROCESSING OK
192	(C0)	X'4'	0	JSABNOST	"4" JSAB STORAGE NOT OBTAINED/RELEASED
192	(C0)	X'8'	0	JSABNFND	"8" JSAB NOT FOUND RETURN CODE
192	(C0)	X'C'	0	JSABNOFL	"12" Requested field does not exist in active JSAB

JSAB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IAZJSAB	0		JSABJ1PS	64	40
JSAB	0	0	JSABJ1RQ	64	4
JSABBLND	38	48	JSABJ1SP	64	80
JSABBLST	10		JSABJ1SS	64	1
JSABBLSZ	C0	38	JSABJ1ST	64	10
JSABCLEV	F		JSABJ1TR	64	8
JSABCLR	F		JSABJ2CM	65	80
JSABCLRL	80	71	JSABJ2ES	65	10
JSABCORR	80		JSABJ2NU	65	20
JSABESTK	48		JSABJ2PC	65	8
JSABFLG1	D		JSABJ2PI	65	1
JSABFLG2	E		JSABJ2PN	65	4
JSABGPNM	5C		JSABJ2PS	65	2
JSABID	0		JSABJ2SA	65	40
JSABJBID	14		JSABJ3CI	66	1
JSABJBNM	1C		JSABJ3DA	66	8
JSABJFL1	64		JSABJ3ER	66	20
JSABJFL2	65		JSABJ3FS	66	2
JSABJFL3	66		JSABJ3JD	66	10
JSABJFL4	67		JSABJ3PX	66	80
JSABJSTA	64		JSABJ3TC	66	4
JSABJ1CN	64	20	JSABJ3WO	66	40
JSABJ1IW	64	2	JSABJ4DC	67	8

JSAB Cross Reference

Name	Hex Offset	Hex Value
JSABJ4DD	67	2
JSABJ4DY	67	10
JSABJ4JD	67	1
JSABJ4NQ	67	4
JSABJ4SJ	67	20
JSABJ4ST	67	80
JSABJ4VL	67	40
JSABLEN	8	
JSABNEXT	4	
JSABNFND	C0	8
JSABNOFL	C0	C
JSABNOST	C0	4
JSABNVAL	D	80
JSABOK	C0	0
JSABPREF	24	
JSABRESC	38	
JSABRESV	6C	
JSABSCID	10	
JSABSIZE	C0	C0
JSABSIZ1	80	80
JSABSIZ2	C0	C0
JSABSSNM	34	
JSABSTSK	D	40
JSABUSER	58	
JSABUSID	2C	
JSABVERS	C	
JSABVRSN	C	2
JSABVRS1	C	1
JSABVRS2	C	2
JSABWKID	14	
JSABXSTK	50	

JSCB Information

JSCB Programming Interface information

Programming Interface information

JSCB

ONLY the following fields are part of the programming interface information:

- JSCBACT
- JSCBPASS
- JSCBQMPI
- JSCBTIOD
- JSCBAUTH
- JSCBPGMN
- JSCBSTEP

End of Programming Interface information

JSCB Heading Information • JSCB Map

JSCB Heading Information

Common Name: Job/Step Control Block
Macro ID: IEZJSCB
DSECT Name: IEZJSCB
Owning Component: Initiator (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 253
 Key: 0
 Residency: Below 16 MB in virtual storage.
Size: 192 bytes
Created by: IEESB601
 IEESB606
 IEFIB600
Pointed to by: TCBJSCB field of data area TCB
 JSCBACT field of data area JSCB (active JSCB)
Serialization: None required
Function: Communication of job or step related data items. This is the base for the job step environment, in particular SWA and Allocation.

JSCB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	IEZJSCB		
Comment						
SECTION 1 DATA ITEMS USED IN OS/VS1 AND OS/VS2						
End of Comment						
188	(BC)	X'BC'	0	JSCBSEC1	*** - START OF JSCB SECTION 1	
188	(BC)	SIGNED	4	JSCRSV01	- RESERVED	
192	(C0)	ADDRESS	4	JSCHPCE (0)	- ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) PROCESSOR CONTROL ELEMENT ICB459	
192	(C0)	BITSTRING	1	JSCRSV32	- RESERVED ICB459	
193	(C1)	ADDRESS	3	JSCHPCEA	- ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) PROCESSOR CONTROL ELEMENT ICB459	
196	(C4)	ADDRESS	4	JSCBSHR	- ADDRESS OF ASSEMBLY CHAIN (VSAM) ICB434	
200	(C8)	ADDRESS	4	JSCBTCP	- ADDRESS OF TIOT CHAINING ELEMENT CHAIN (VSAM) ICB434	
204	(CC)	ADDRESS	4	JSCBPCC	- ADDRESS OF PRIVATE CATALOG CONTROL BLOCK CHAIN (VSAM) ICB434	
208	(D0)	ADDRESS	4	JSCBTCBP	- ADDRESS OF INITIATOR'S TCB (VSAM) ICB434	
212	(D4)	ADDRESS	4	JSCBIJSC	- ADDRESS OF JSCB OF THE INITIATOR THAT ATTACHED THIS JOB STEP (OS/VS1) MDC003	
216	(D8)	ADDRESS	4	JSCBDBTB	- ADDRESS OF THE DEB TABLE FOR THIS JOB STEP (OS/VS1) MDC029	
220	(DC)	CHARACTER	4	JSCBID	- JOB SERIAL NUMBER (OS/VS1)	
224	(E0)	ADDRESS	4	JSCBDCB (0)	- ADDRESS OF DCB FOR DATA SET CONTAINING SCHEDULER TABLES FOR THIS JOB	
224	(E0)	BITSTRING	1	JSCRSV02	- RESERVED	
225	(E1)	ADDRESS	3	JSCBDCBA	- ADDRESS OF DCB FOR DATA SET CONTAINING SCHEDULER TABLES FOR THIS JOB	
228	(E4)	SIGNED	1	JSCBSTEP	- CURRENT STEP NUMBER. THE FIRST STEP IS NUMBER 1.	
229	(E5)	BITSTRING	3	JSCRSV03	- RESERVED	
232	(E8)	ADDRESS	4	JSCBSECB	- ECB FOR COMMUNICATION BETWEEN MAIN STORAGE SUPERVISOR AND THE INITIATOR WHILE WAITING FOR A REGION.	
236	(EC)	BITSTRING	1	JSCBOPTS	- OPTION SWITCHES	
		1... ..		JSCRSV04	"X'80',C'X'" - RESERVED	
		..1.		JSCRSV05	"X'40',C'X'" - RESERVED	
		..1.		JSCBLONG	"X'20'" - THE PARTITION CANNOT BE REDEFINED BECAUSE THE JOB OCCUPYING IT IS DEFINED AS LONG RUNNING (OS/VS1) ICB351	
		...1		JSCRSV06	"X'10',C'X'" - RESERVED	
		.... 1..		JSCRSV07	"X'08',C'X'" - RESERVED	
		.... ..1.		JSCBTIOD	"X'04'" - WHEN SET BY PROGRAM, EXCLUSIVE ENQS FOR THE SYSZTIOT RESOURCE MAY DEFER TO SHARED REQUESTS.	
		.... ...1		JSCSIOTS	"X'02'" - CHECKPOINT MUST SCAN SIOT MDC018	
				JSCBAUTH	"X'01'" - The step represented by this JSCB is authorized to issue the MODESET macro instruction. Although this bit has been designated PI, IBM recommends that very careful design consideration be given to its use. To avoid the likelihood of creating a system integrity exposure, do not turn on JSCBAUTH.	
237	(ED)	BITSTRING	3	JSCRSV10	- RESERVED ICB351	
240	(F0)	BITSTRING	3	JSCRSV17	- Reserved	
243	(F3)	BITSTRING	1	JSCBSWT1	- STATUS SWITCHES (OS/VS2) ICB351	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		JSCBPASS	"X'80" - WHEN THIS BIT IS SET TO ONE AND A CORRESPONDING BIT IN THE DCB IS SET TO ONE, OPEN WILL BYPASS PASSWORD PROTECTION FOR THE DATA SET BEING OPENED (OS/VS2). ALTHOUGH THIS BIT HAS BEEN DESIGNATED PSPI, IBM RECOMMENDS THAT VERY CAREFUL DESIGN CONSIDERATION BE GIVEN TO ITS USE.
		.1.. ..		JSCBUNIN	"X'40" - When ON, indicates that Allocation received control directly from the Initiator. Set/Reset by IEFBB410
		..1.		JSCRSV12	"X'20',C'X'" - RESERVED
		...1		JSCRSV13	"X'10',C'X'" - RESERVED
		.... 1...		JSCRSV14	"X'08',C'X'" - RESERVED
		.... .1..		JSCRSV15	"X'04',C'X'" - RESERVED
		.... ..1.		JSCRSV16	"X'02',C'X'" - RESERVED
		.... ...1		JSCBPMSG	"X'01" - A MESSAGE HAS BEEN ISSUED BECAUSE THE DUMP DATA SET WAS NOT SUCCESSFULLY OPENED. PREVENTS USE OF MULTIPLE SMB'S FOR MULTIPLE OPEN FAILURES IN JOB STEP. (OS/VS2) ICB351
244	(F4)	ADDRESS	4	JSCBQMPI	- ADDRESS OF THE QUEUE MANAGER PARAMETER AREA (QMPA) FOR THE JOB'S INPUT QUEUE TABLE ENTRIES (OS/VS2)
248	(F8)	ADDRESS	4	JSCBJESW	- ADDRESS OF THE JES WORKAREA
252	(FC)	CHARACTER	4	JSCBWTP (0)	- WRITE-TO-PROGRAMMER (WTP) DATA
252	(FC)	BITSTRING	1	JSCBWTFG	- FLAGS USED BY WTP SUPPORT
		1... ..		JSCBIOFG	"X'80" - THE PREVIOUS WTP I/O OPERATION HAD AN I/O ERROR
		.1..		JSCBRET	"X'40" - TEXT BREAKING INDICATOR, ADDITIONAL MESSAGE TEXT SCANNING REQUIRED (OS/VS1) ICB470
		..1.		JSCBBMO	"X'20" - Buffer Messages Only flag. Set by IEFAB4B2 when an SMS Message is being processed that is being directed to the Programmer when Monitor Status is active. Checked by IEEAB400 to avoid a WTO that was already issued by IEFAB4B2.
		...1		JSCRSV19	"X'10',C'X'" - RESERVED
		.... 1...		JSCRSV20	"X'08',C'X'" - RESERVED
		.... .1..		JSCRSV21	"X'04',C'X'" - RESERVED
		.... ..1.		JSCRSV22	"X'02',C'X'" - RESERVED
		.... ...1		JSCRSV23	"X'01',C'X'" - RESERVED
253	(FD)	SIGNED	1	JSCBWTSP	- NUMBER OF THE LAST JOB STEP TO ISSUE WTP
254	(FE)	SIGNED	2	JSCBPMG	- NUMBER OF WTP OPERATIONS ISSUED FOR THE STEP IDENTIFIED BY JSCBWTSP
256	(100)	ADDRESS	4	JSCBCSCB	- ADDRESS OF COMMAND SCHEDULING CONTROL BLOCK (CSCB) USED TO PROCESS COMMANDS RECEIVED FOR THIS JOB STEP ICB351
256	(100)	X'48'	0	JSCBS1LN	("*-JSCBSEC1") - LENGTH OF SECTION 1
Comment					
SECTION 2 DATA ITEMS USED ONLY IN OS/VS1					
End of Comment					
256	(100)	X'104'	0	JSCBSEC2	*** - START OF JSCB SECTION 2 ICB351
Comment					
CURRENTLY NO OS/VS1 ONLY DATA ITEMS ICB351					
End of Comment					
256	(100)	X'0'	0	JSCBS2LN	("*-JSCBSEC2") - LENGTH OF SECTION 2 ICB351
Comment					
SECTION 3 DATA ITEMS USED ONLY IN OS/VS2					
End of Comment					
260	(104)	X'104'	0	JSCBSEC3	*** - START OF JSCB SECTION 3 ICB351
260	(104)	SIGNED	4	JSCBJCT (0)	- Structure containing SVA of JCT
260	(104)	BITSTRING	1	JSCRSV24	- RESERVED ICB351
261	(105)	CHARACTER	3	JSCJCTP (0)	- ALIAS FOR JSCBJCTA MDC025
261	(105)	CHARACTER	3	JSCBJCTA	- SVA of JCT, use SWAREQ to convert to a pointer
264	(108)	ADDRESS	4	JSCBPSCB	- ADDRESS OF TSO PROTECTED STEP CONTROL BLOCK
268	(10C)	SIGNED	2	JSCBASID (0)	- ADDRESS SPACE IDENTIFIER (MDC028) YM0446
268	(10C)	SIGNED	2	JSCBTJID	- TSO TERMINAL JOB IDENTIFIER
270	(10E)	BITSTRING	1	JSCBFBYT	- FLAG BYTE (MDC300)
		1... ..		JSCBRV01	"X'80',C'X'" - RESERVED
		.1..		JSCBADSP	"X'40" - AUTOMATIC DATA SET PROTECTION FOR THIS USER (MDC302)
		..1.		JSCBRV02	"X'20',C'X'" - RESERVED
		...1		JSCBRV03	"X'10',C'X'" - RESERVED
		.... 1...		JSCBSJFY	"X'08" - Used by BB131
		.... ..1.		JSCBSJFN	"X'04" - Used by BB131

JSCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		JSCBRV06	"X'02',,C'X'" - RESERVED
		.... ...1		JSCBRV07	"X'01',,C'X'" - RESERVED
271	(10F)	BITSTRING	1	JSCBRV08	- RESERVED
272	(110)	SIGNED	4	JSCBIECB	- ECB USED FOR COMMUNICATION BETWEEN DYNAMIC ALLOCATION AND THE INITIATOR IN ORDER TO PERFORM DATA SET INTEGRITY
276	(114)	CHARACTER	8	JSCBJRBA	- JOB JOURNAL RELATIVE BYTE ADDRESS (RBA) (MDC031) YM7086
284	(11C)	ADDRESS	4	JSCBALOC	- ADDRESS OF THE ALLOCATION WORK AREA
288	(120)	ADDRESS	4	JSCBJNLF (0)	- INITIATOR JSCB ONLY - ADDRESS OF JSCB FOR STEP BEING INITIATED. OTHERWISE, ZERO ICB431
288	(120)	BITSTRING	1	JSCBJSB	- JOB JOURNAL STATUS INDICATORS ICB332
		1...		JSCBJNLF	"X'80'" - NOTHING SHOULD BE WRITTEN IN JOURNAL ICB332
		.1.		JSCBJNLF	"X'40'" - NO JOB JOURNAL MDC017
		..1.		JSCBJNLF	"X'20'" - ERROR IN JOURNAL, DO NOT WRITE ICB332
Comment					
EQU X'10' - RESERVED (WAS JSCBJSBJ) MDC001					
End of Comment					
		.... 1...		JSCBJSBI	"X'08'" - JOB HAS NOT ENTERED ALLOCATION FOR THE FIRST TIME ICB332
		.... ..1.		JSCBJSBA	"X'04'" - JOB HAS ENTERED ALLOCATION ICB332
		.... ..1.		JSCBJSBX	"X'02'" - JOB HAS COMPLETED ALLOCATION ICB332
		.... ...1		JSCBJSBT	"X'01'" - JOB HAS ENTERED TERMINATION ICB332
289	(121)	ADDRESS	3	JSCBJNLA	- INITIATOR JSCB ONLY - ADDRESS OF JSCB FOR STEP BEING INITIATED. OTHERWISE, ZERO ICB431
292	(124)	ADDRESS	4	JSCBJNLR	- POINTER TO JOB JOURNAL RPL MDC023
296	(128)	ADDRESS	4	JSCBSMLR	- ADDRESS OF SYSTEM MESSAGE DATA SET RPL MDC024
300	(12C)	ADDRESS	4	JSCBSUB (0)	- ADDRESS OF JES-SUBTL FOR THIS JOB STEP ICB333
300	(12C)	BITSTRING	1	JSCRSV31	- RESERVED ICB333
301	(12D)	ADDRESS	3	JSCBSUBA	- ADDRESS OF JES-SUBTL FOR THIS JOB STEP ICB333
304	(130)	SIGNED	2	JSCBSONO	- THE NUMBER OF SYSOUT DATA SETS PLUS ONE ICB335
306	(132)	SIGNED	2	JSCRSV28	- RESERVED
308	(134)	CHARACTER	8	JSCBFRBA	- RELATIVE BYTE ADDRESS (RBA) OF THE FIRST JOURNAL BLOCK (MDC032) YM7086
316	(13C)	ADDRESS	4	JSCBSSIB	- ADDRESS OF THE SUBSYSTEM IDENTIFICATION BLOCK MDC021
320	(140)	ADDRESS	4	JSCDSABQ	- ADDRESS OF QDB FOR DSAB CHAIN MDC007
324	(144)	ADDRESS	4	JSCRSV35	- Reserved - was JSCBASW2
328	(148)	SIGNED	4	JSCSCT (0)	- Structure containing SVA of SCT
328	(148)	BITSTRING	1	JSCRSV55	- RESERVED
329	(149)	CHARACTER	3	JSCSCTP	- SVA of SCT, use SWAREQ to convert to a pointer
332	(14C)	ADDRESS	4	JSCMTCOR	- ADDRESS OF TIOT MAIN STORAGE MANAGEMENT AREA MDC010
336	(150)	ADDRESS	4	JSCBVATA	- ADDRESS OF VAT USED DURING SYSTEM RESTART OR AUTOMATIC RESTART MDC011
340	(154)	SIGNED	2	JSCDDNNO	- COUNTER USED BY DYNAMIC ALLOCATION TO GENERATE DD NAMES MDC012
342	(156)	SIGNED	2	JSCBODNO	- COUNTER USED BY DYNAMIC OUTPUT TO GENERATE OUTPUT DESCRIPTOR NAMES. THIS NUMBER INCREASES OVER THE LIFE OF THE JOB AND WRAPS.
344	(158)	SIGNED	2	JSCDDNUM	- NUMBER OF DD ENTRIES CURRENTLY ALLOCATED INCLUDING IN USE AND NOT IN USE ENTRIES MDC022
346	(15A)	BITSTRING	1	JSCRSV33	- RESERVED MDC019
347	(15B)	SIGNED	1	JSCBSWSP	- SWA SUBPOOL MDC015
348	(15C)	ADDRESS	4	JSCBACT	- POINTER TO ACTIVE JSCB MDC014
352	(160)	ADDRESS	4	JSCBUFPT	- ADDRESS OF ALLOCATION/UNALLOCATION WRITE-TO-PROGRAMMER BUFFER MDC030
356	(164)	ADDRESS	4	JSCRSV34	- Reserved - was JSCBASWA
360	(168)	CHARACTER	8	JSCBPGMN (0)	- JOB STEP PROGRAM NAME (MDC304)
360	(168)	ADDRESS	4	JSCBECB1	- ADDR OF CANCEL ECB WHILE WAITING FOR A REGION (IEFSD363)
364	(16C)	ADDRESS	4	JSCBECB2	- ADDR OF WAIT FOR REGION ECB WHILE WAITING FOR A REGION (IEFSD263)
368	(170)	ADDRESS	4	JSCDSNQP	- Pointer to the first DSENG Table
372	(174)	ADDRESS	4	JSCBCSCX	- ADDRESS OF CSCX EXTENSION TO CSCB 6
376	(178)	SIGNED	4	JSCAMCPL	- ALLOCATION MESSAGE CELLPOOL ID
376	(178)	X'78'	0	JSCBS3LN	"(*-JSCBSEC3)" - LENGTH OF SECTION 3 ICB351
376	(178)	X'BC'	0	JSCBDISP	"(260-JSCBS1LN)" - DISPLACEMENT OF FIRST JSCB DATA BYTE
376	(178)	X'48'	0	JSCBAOS1	"JSCBS1LN+JSCBS2LN" - OS/VS1 JSCB LENGTH ICB351
376	(178)	X'CO'	0	JSCBAOS2	"JSCBS1LN+JSCBS3LN" - OS/VS2 JSCB LENGTH ICB332

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Comment
END OF JSCB					
					End of Comment

JSCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IEZJSCB	0		JSCBSJFY	10E	8
JSCAMCPL	178		JSCBSMLR	128	
JSCBACT	15C		JSCBSONO	130	
JSCBADSP	10E	40	JSCBSSIB	13C	
JSCBALOC	11C		JSCBSTEP	E4	
JSCBAOS1	178	48	JSCBSUB	12C	
JSCBAOS2	178	C0	JSCBSUBA	12D	
JSCBASID	10C		JSCBSWSP	15B	
JSCBAUTH	EC	1	JSCBSWT1	F3	
JSCBBMO	FC	20	JSCBS1LN	100	48
JSCBCSCB	100		JSCBS2LN	100	0
JSCBCSCX	174		JSCBS3LN	178	78
JSCBDBTB	D8		JSCBTCBP	D0	
JSCBDCB	E0		JSCBTCP	C8	
JSCBDCBA	E1		JSCBTIOD	EC	4
JSCBDISP	178	BC	JSCBTJID	10C	
JSCBECB1	168		JSCBUFPT	160	
JSCBECB2	16C		JSCBUNIN	F3	40
JSCBFBYT	10E		JSCBVATA	150	
JSCBFRBA	134		JSCBWTFG	FC	
JSCBID	DC		JSCBWTP	FC	
JSCBIECB	110		JSCBWTSP	FD	
JSCBIJSC	D4		JSCDDNNO	154	
JSCBIOFG	FC	80	JSCDDNUM	158	
JSCBJCT	104		JSCDSABQ	140	
JSCBJCTA	105		JSCDSNQP	170	
JSCBJESW	F8		JSCHPCE	C0	
JSCBJJSB	120		JSCHPCEA	C1	
JSCBJNL	120		JSCJCTP	105	
JSCBJNLA	121		JSCRSV01	BC	
JSCBJNLE	120	20	JSCRSV02	E0	
JSCBJNLF	120	40	JSCRSV03	E5	
JSCBJNLN	120	80	JSCRSV04	EC	80
JSCBJNLR	124		JSCRSV05	EC	40
JSCBJRBA	114		JSCRSV06	EC	10
JSCBJSBA	120	4	JSCRSV07	EC	8
JSCBJSBI	120	8	JSCRSV10	ED	
JSCBJSBT	120	1	JSCRSV12	F3	20
JSCBJSBX	120	2	JSCRSV13	F3	10
JSCBLONG	EC	20	JSCRSV14	F3	8
JSCBODNO	156		JSCRSV15	F3	4
JSCBOPTS	EC		JSCRSV16	F3	2
JSCBPASS	F3	80	JSCRSV17	F0	
JSCBPCC	CC		JSCRSV19	FC	10
JSCBPGMN	168		JSCRSV20	FC	8
JSCBPMG	FE		JSCRSV21	FC	4
JSCBPMSG	F3	1	JSCRSV22	FC	2
JSCBPSCB	108		JSCRSV23	FC	1
JSCBQMPI	F4		JSCRSV24	104	
JSCBRET	FC	40	JSCRSV28	132	
JSCBRV01	10E	80	JSCRSV31	12C	
JSCBRV02	10E	20	JSCRSV32	C0	
JSCBRV03	10E	10	JSCRSV33	15A	
JSCBRV06	10E	2	JSCRSV34	164	
JSCBRV07	10E	1	JSCRSV35	144	
JSCBRV08	10F		JSCRSV55	148	
JSCBSECB	E8		JSCSCT	148	
JSCBSEC1	BC	BC	JSCSCTP	149	
JSCBSEC2	100	104	JSCSIOTS	EC	2
JSCBSEC3	104	104	JSCVMCOR	14C	
JSCBSHR	C4				
JSCBSJFN	10E	4			

JSIPL Information

JSIPL Programming Interface information

Programming Interface information

JSIPL

End of Programming Interface information

JSIPL Heading Information • JSIPL Cross Reference

JSIPL Heading Information

Common Name: Subsystem initialization parameter list
Macro ID: IEFJSIPL
DSECT Name: JSIPL
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 0
Size: 32 bytes
Created by: IEFJSBLD
Pointed to by: On entry to the initialization routine, register 1 points to a two-word parameter list and the second word points to IEFJSIPL.
Serialization: None
Function: Defines the subsystem initialization routine parameter list. This parameter list points to the user parameters specified in parmlib member IEFSSNxx, the IEFSSI macro, or the SETSSI command.

JSIPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JSIPL	
0	(0)	BITSTRING	1	JSILGTH	Length of the parameter list
1	(1)	BITSTRING	1	JSICONID	Reserved - always 0
2	(2)	BITSTRING	1	JSILGTPR	Length of the parameter string specified in the IEFSSNxx parmlib member, IEFSSI macro invocation, or SETSSI command that defined this subsystem. Length does not include any enclosing apostrophes, which are not passed to the initialization routine.
3	(3)	BITSTRING	1	JSIVER	Version of parameter list
4	(4)	ADDRESS	4	JSIADRPR	Address of the parameter string specified in the IEFSSNxx parmlib member, IEFSSI macro invocation, or SETSSI command that defined this subsystem.
8	(8)	SIGNED	4	JSIRSV1	Reserved
12	(C)	SIGNED	4	JSICNSID	Console id to be used when issuing WTOs. This field is not valid and is always 0 for subsystems defined through IEFSSNxx, IEFSSI, or SETSSI.
16	(10)	CHARACTER	8	JSICART	Command and response token. This field is not valid and is always 0 for subsystems defined through IEFSSNxx, IEFSSI, or SETSSI.
24	(18)	CHARACTER	8	JSICNAME	Console name to be used by subsystem initialization routine when issuing WTOs
24	(18)	X'20'	0	JSIPLGTH	"*-JSIPL" Length of initialization parameter list
24	(18)	X'1'	0	JSIVER1	"1" Version 1
24	(18)	X'2'	0	JSIVER2	"2" Version 2
24	(18)	X'2'	0	JSICVER	"JSIVER2" Current version number

JSIPL Cross Reference

Name	Hex Offset	Hex Value
JSIADRPR	4	
JSICART	10	
JSICNAME	18	
JSICNSID	C	
JSICONID	1	
JSICVER	18	2
JSILGTH	0	
JSILGTPR	2	
JSIPL	0	
JSIPLGTH	18	20
JSIRSV1	8	
JSIVER	3	
JSIVER1	18	1
JSIVER2	18	2

JSPA Information

JSPA Programming Interface information

Programming Interface information

JSPA

End of Programming Interface information

JSPA Heading Information • JSPA Map

JSPA Heading Information

Common Name: Job Separator Page Data Area
Macro ID: IAZJSPA
DSECT Name: IAZJSPA or JSPA for the common section. JSPEXT for the JSPA extension.
Owning Component: JES Common Component (SC141)
Eye-Catcher ID: 'JSPA'
 Offset: JSPAID-JSPA
 Length: 04
Storage Attributes: Subpool: 230 (for JES2 and JES3), 241 (for JES3), As defined by FSCBCBSP in IATYFSCB (for JES3)
 Key: 1
 Residency: For JES3 and JES2, anywhere (above or below 16M) if the FSS is running 31-bit mode, else below the 16M line. Private storage in the FSS address space.
Size: JSPASIZE - Equate for the size of the common section (common section + JES section + user section),
 JSPEXSIZE - Equate for the size of the JSPA extension,
 JSPEJSPS - Equate for the size of the JSPA base section plus the size of one JSPA extension
Created by: The JES2 and JES3 Get Data Set (GETDS) routines.
Pointed to by: GDSJSPA field of the IAZFSIP data area
 For JES2, the JSPA is contained within the JOE Information Block (\$JIB) starting at label JIBJSPA.
 For JES3, the JSPA is contained within the FSI Service Request List (IATYSRL).
Serialization: None required
Function: IAZJSPA maps the JES Job Separator Page Data Area.
 The JSPA is used to transmit information about the returned data set to produce header and trailer pages in FSS-supplied exits.

Extension areas may exist after the JSPA base as indicated by the JSPA1EXT bit of flag JSPAFLG1. The extension area begins at label JSPEXT. A header area is defined to prefix all extensions. The first halfword of this area (JSPEXNUM) is the number of extensions. The second halfword is the length of all extensions. The next four words are reserved for future use. Immediately following the header area is the first JSPA extension - the common area extension. To obtain the address of the extension header, add the content of JSPALEN to the address of the JSPA.

For JES3, the JSPA resides within the Service Request List (IATYSRL). The SRL/JSPA is initially built in the FSS address space and then sent to the JES3 Global address space through the SSIISERV service. While in the JES3 address space, the SRL/JSPA resides within a Staging Area (IATYSTA).

JSPA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IAZJSPA	
0	(0)	X'0'	0	JSPA	"IAZJSPA" ALTERNATE DSECT NAME
0	(0)	CHARACTER	4	JSPAID	JSPA PARAMETER LIST ID
4	(4)	SIGNED	2	JSPALEN	LENGTH OF THE JSPA BASE (DOES NOT INCLUDE THE JSPA EXTENSION)
6	(6)	ADDRESS	1	JSPAFLG1	FLAG BYTE
		1...		JSPA1CON	"B'10000000" OUTPUT GROUP CONTINUATION
		.1.		JSPA1EXT	"B'01000000" EXTENSION AREA IS PRESENT
		..1.		JSPA1UND	"B'00100000" USERID JSPCEUID UNDEFINED
		...1		JSPA4DG	"B'00010000" Device Number (JSPADEVN) in 4-Digit format
7	(7)	ADDRESS	1		RESERVED
8	(8)	CHARACTER	8	JSPAJBNM	JOB NAME
16	(10)	CHARACTER	8	JSPAJBID	JOB ID
24	(18)	CHARACTER	8	JSPADEVN	DEVICE NAME
32	(20)	CHARACTER	4	JSPADEVN	Device Address in EBCDIC
36	(24)	SIGNED	4	JSPAJMR	JMR ADDRESS
36	(24)	X'28'	0	JSPABEND	"*-JSPA" SIZE OF JSPA BASE SECTION

Comment

JES DEPENDENT SECTION - FIELDS DETERMINED BY THE JES

End of Comment

40	(28)	SIGNED	4	JSPAJES (0)	JES DEPENDENT DATA AREA
40	(28)	CHARACTER	8	JSPJGRP1	OUTPUT GROUP NAME
48	(30)	SIGNED	2	JSPJGRP1	OUTPUT GROUP ID 1
50	(32)	SIGNED	2	JSPJGRP2	OUTPUT GROUP ID 2
52	(34)	CHARACTER	8	JSPJGRPD	OUTPUT GROUP DESTINATION NAME
60	(3C)	CHARACTER	4	JSPJRMNO	ROOM ROUTING NUMBER
64	(40)	CHARACTER	20	JSPJPNAM	PROGRAMMER NAME
84	(54)	CHARACTER	24	JSPJDSNM (0)	DATA SET NAME, FULLY QUALIFIED
84	(54)	CHARACTER	8	JSPJDSPN	DATA SET PROCEDURE NAME

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
92	(5C)	CHARACTER	8	JSPJDSSN	DATA SET STEP NAME
100	(64)	CHARACTER	8	JSPJDSDD	DATA SET DD NAME
108	(6C)	CHARACTER	1	JSPJSOCL	SYSOUL CLASS
109	(6D)	CHARACTER	1	JSPJPRI0	DATA SET PRIORITY
112	(70)	SIGNED	4	JSPJEND (0)	END OF JES DEPENDENT SECTION
112	(70)	X'48'	0	JSPJSIZE	"JSPJEND-JSPAJES" SIZE OF JES JSPA AREA

Comment

USER DEPENDENT SECTION - USER RELATED FIELDS

End of Comment

112	(70)	SIGNED	4	JSPAUSER (0)	USER DEPENDENT DATA AREA
112	(70)	SIGNED	4	JSPAUSR1	RESERVED FOR USER
116	(74)	SIGNED	4	JSPAUSR2	RESERVED FOR USER
120	(78)	SIGNED	4	JSPUEND (0)	END OF USER DEPENDENT SECTION
120	(78)	X'8'	0	JSPUSIZE	"JSPUEND-JSPAUSER" SIZE OF USER JSPA AREA
120	(78)	SIGNED	4	JSPAEND (0)	END OF COMMON JSPA BASE
120	(78)	X'78'	0	JSPASIZE	"*-JSPA" SIZE OF JSPA (BASE, JES, USER)
120	(78)	X'78'	0	JSPABLEN	"JSPASIZE" SIZE OF JSPA (FOR SP 1.3.3)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JSPEXT	JSPA EXTENSION AREA
0	(0)	SIGNED	2	JSPXNUM	NUMBER OF EXTENSIONS
2	(2)	SIGNED	2	JSPXLEN	LENGTH OF ALL EXTENSIONS
4	(4)	SIGNED	4		RESERVED
8	(8)	SIGNED	4		RESERVED
12	(C)	SIGNED	4		RESERVED
16	(10)	SIGNED	4		RESERVED
16	(10)	X'14'	0	JSPEHSZE	"*-JSPEXT" JSPA EXTENSION AREA HEADER SIZE
20	(14)	SIGNED	4	JSPCEXT (0)	START OF COMMON EXTENSION
20	(14)	SIGNED	2	JSPCELEN	LENGTH OF COMMON EXTENSION AREA
22	(16)	SIGNED	2	JSPCEVSN	VERSION NUMBER
24	(18)	SIGNED	4	JSPCECID	COMMON AREA EXTENSION ID
24	(18)	X'1'	0	JSPCEXTI	"1" IBM COMMON EXTENSION
28	(1C)	CHARACTER	8	JSPCEUID	USERID
36	(24)	CHARACTER	8	JSPCESEC	SECURITY LABEL
44	(2C)	CHARACTER	53	JSPCEDSN	DATASET RESOURCE NAME
97	(61)	CHARACTER	3		RESERVED
100	(64)	SIGNED	4	JSPCESEG	SEGMENT ID
100	(64)	X'54'	0	JSPESIZE	"*-JSPCEXT" JSPA EXTENSION AREA COMMON SIZE
100	(64)	X'68'	0	JSPESIZE	"JSPEHSZE+JSPESIZE" JSPA EXTENSION HEADER PLUS EXTENSION COMMON AREA SIZE
100	(64)	X'E0'	0	JSPJESPS	"JSPASIZE+JSPESIZE" JSPA BASE PLUS JSPA EXTENSION SIZE
100	(64)	X'3'	0	JSPCEVNM	"3" CURRENT VERSION NUMBER

JSPA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IAZJSPA	0		JSPA1UND	6	20
JSPA	0	0	JSPA4DG	6	10
JSPABEND	24	28	JSPCECID	18	
JSPABLEN	78	78	JSPCEDSN	2C	
JSPADEVA	20		JSPCELEN	14	
JSPADEVN	18		JSPCESEC	24	
JSPAEND	78		JSPCESEG	64	
JSPAFLG1	6		JSPCEUID	1C	
JSPAID	0		JSPCEVNM	64	3
JSPAJBID	10		JSPCEVSN	16	
JSPAJBNM	8		JSPCEXT	14	
JSPAJES	28		JSPCEXTI	18	1
JSPAJMR	24		JSPESIZE	64	54
JSPALEN	4		JSPEHSZE	10	14
JSPASIZE	78	78	JSPJESPS	64	E0
JSPAUSER	70		JSPESIZE	64	68
JSPAUSR1	70		JSPXLEN	2	
JSPAUSR2	74		JSPXNUM	0	
JSPA1CON	6	80	JSPEXT	0	
JSPA1EXT	6	40	JSPJDSDD	64	

JSPA Cross Reference

Name	Hex Offset	Hex Value
JSPJDSNM	54	
JSPJDSPN	54	
JSPJDSSN	5C	
JSPJEND	70	
JSPJGRPD	34	
JSPJGRPN	28	
JSPJGRP1	30	
JSPJGRP2	32	
JSPJPNAM	40	
JSPJPRIO	6D	
JSPJRMNO	3C	
JSPJSIZE	70	48
JSPJSOCL	6C	
JSPUEND	78	
JSPUSIZE	78	8

LCCA Information

LCCA Programming Interface information

Programming Interface information

LCCA

ONLY the following fields are part of the programming interface information:

- LCCAC063
- LCCASRBC
- LCCATCBC
- LCCAWTIM
- LCCALCCX
- LCCASTFL
- LCCAWTD

End of Programming Interface information

LCCA Heading Information • LCCA Map

LCCA Heading Information

Common Name: Logical Configuration Communication Area
Macro ID: IHALCCA
DSECT Name: LCCA
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: LCCA
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 239
 Key: 0
Size: OFFSET OF LCCAEND MINUS THE OFFSET OF LCCA
Created by: IEAVNIPO
 IEEVCPPRA
Pointed to by: PSALCCAV field of the PSA data area
 PSALCCAR field of the PSA data area
 LCCATxxP field of the LCCAVT data area
 (where xx is the processor number)
 LCCADCPU field of the LCCA data area
 (failing processor's LCCA)
 LCCARCPU field of the LCCA data area
 (recovering processor's LCCA)
Serialization: Disablement
Function: Contains processor related data.

LCCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LCCA	
0	(0)	CHARACTER	4	LCCALCCA	- CONTROL BLOCK ACRONYM IN EBCDIC
4	(4)	SIGNED	2	LCCACPUA	- LOGICAL CPU ADDRESS
6	(6)	SIGNED	2	LCCACAFM	- BIT MASK CORRESPONDING TO LOGICAL CPU ADDRESS. This mask covers only CPUs 0-15 and can be used only for CPU affinity checking
8	(8)	SIGNED	4	LCCAPGR1 (16)	- PROGRAM FLIH RECURSION REGISTER SAVE AREA 1
72	(48)	CHARACTER	64	LCCAPGA2 (0)	- Same as LCCAPGR2
72	(48)	SIGNED	4	LCCAPGR2 (16)	- PROGRAM FLIH MAIN ENTRY REGISTER SAVE AREA (MDC346)
136	(88)	BITSTRING	8	LCCAPPSW	- PROGRAM FLIH MAIN ENTRY PSW SAVE AREA
144	(90)	SIGNED	4	LCCAPINT (0)	- PROGRAM FLIH MAIN ENTRY ILC AND INTERRUPT CODE SAVE AREA
144	(90)	BITSTRING	1		- RESERVED - SET TO 0
145	(91)	BITSTRING	1	LCCAPILC	- INSTRUCTION LENGTH CODE
146	(92)	BITSTRING	1	LCCAPEEC	- EXCEPTION - EXTENSION CODE
		.... ..1.		LCCAPITX	"X'02'" Program Interrupt within Transactional Execution
147	(93)	BITSTRING	1	LCCAPICD	- PROGRAM INTERRUPT CODE
		1...		LCCAPPER	"X'80'" - PER BIT IN INTERRUPT CODE
		..1.		LCCAPMC	"X'40'" - MC BIT IN INTERRUPT CODE
148	(94)	SIGNED	4	LCCAPVAD (0)	- PROGRAM FLIH MAIN ENTRY TRANSLATION EXCEPTION ADDRESS SAVE AREA
148	(94)	BITSTRING	3		- FIRST THREE BYTES OF ADDRESS
		1...		LCCAPVXM	"X'80'" - TEA MODE STATE 0 = PRIMARY 1 = SECONDARY (MDC338)
151	(97)	BITSTRING	1	LCCAPDXC (0)	- Data exception code for PI 7
151	(97)	BITSTRING	1	LCCAPSTD	- LAST BYTE OF LCCAPVAD
		.... ....		LCCAPSTP	"X'00'" - THE PRIMARY STD WAS USED
		.... ..1		LCCAPSTA	"X'01'" - THE STD WAS AR QUALIFIED
		.... ..1.		LCCAPSTS	"X'02'" - THE SECONDARY STD WAS USED
		.... ..11		LCCAPSTH	"X'03'" - THE HOME STD WAS USED
		.... ..1..		LCCASOPI	"X'04'" - Suppression-On-Protection indicator
152	(98)	BITSTRING	1	LCCAPICC	- LCCAPICD without PER bit.
153	(99)	BITSTRING	1	LCCADSF3	- More dispatcher flags. Serialized by having no other bits in the byte.
		1...		LCCAVCPU	"X'80'" - VARY CPU IN PROGRESS
154	(9A)	SIGNED	2	LCCAWUQDEGRAN	- Used by IEAVWUQD to remember whether EGR ran. Contains 0 if EGR did not run, and 4 if EGR ran.
156	(9C)	SIGNED	4	LCCACR0	- WORK AREA FOR TESTING BITS IN CONTROL REGISTER 0
160	(A0)	SIGNED	4	LCCAPGR3 (16)	- PROGRAM FLIH RECURSION REGISTER SAVE AREA 3
224	(E0)	BITSTRING	64	LCCAPAR2 (0)	- PROGRAM FLIH MAINLINE ACCESS REGISTER SAVEAREA 2
224	(E0)	SIGNED	4	LCCAP2A0	- ACCESS REGISTER 0
228	(E4)	SIGNED	4	LCCAP2A1	- ACCESS REGISTER 1
232	(E8)	SIGNED	4	LCCAP2A2	- ACCESS REGISTER 2
236	(EC)	SIGNED	4	LCCAP2A3	- ACCESS REGISTER 3
240	(F0)	SIGNED	4	LCCAP2A4	- ACCESS REGISTER 4
244	(F4)	SIGNED	4	LCCAP2A5	- ACCESS REGISTER 5
248	(F8)	SIGNED	4	LCCAP2A6	- ACCESS REGISTER 6
252	(FC)	SIGNED	4	LCCAP2A7	- ACCESS REGISTER 7
256	(100)	SIGNED	4	LCCAP2A8	- ACCESS REGISTER 8

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
260	(104)	SIGNED	4	LCCAP2A9	- ACCESS REGISTER 9
264	(108)	SIGNED	4	LCCAP2AA	- ACCESS REGISTER 10
268	(10C)	SIGNED	4	LCCAP2AB	- ACCESS REGISTER 11
272	(110)	SIGNED	4	LCCAP2AC	- ACCESS REGISTER 12
276	(114)	SIGNED	4	LCCAP2AD	- ACCESS REGISTER 13
280	(118)	SIGNED	4	LCCAP2AE	- ACCESS REGISTER 14
284	(11C)	SIGNED	4	LCCAP2AF	- ACCESS REGISTER 15
288	(120)	BITSTRING	128	(0)	- LCCARSCR/PCR2
288	(120)	BITSTRING	128	LCCAPCR3 (0)	- PROGRAM FLIH RECURSION MC CONTROL REGISTER SAVEAREA 3
288	(120)	DBL WORD	8	LCCAP3C0	- CONTROL REGISTER 0
296	(128)	DBL WORD	8	LCCAP3C1	- CONTROL REGISTER 1
304	(130)	DBL WORD	8	LCCAP3C2	- DUCT ORIGIN ADDRESS (CR2) - 1
312	(138)	BITSTRING	16	LCCAP3XM (0)	- XM CRs
312	(138)	DBL WORD	8	LCCAP3C3 (0)	- CONTROL REGISTER 3
312	(138)	SIGNED	4		- SASTE SN
316	(13C)	SIGNED	2	LCCAPX3K	- PROGRAM KEY MASK
318	(13E)	SIGNED	2	LCCAPX3S	- SASN
320	(140)	DBL WORD	8	LCCAP3C4 (0)	- CONTROL REGISTER 4
320	(140)	SIGNED	4		- PASTE SN
324	(144)	SIGNED	2	LCCAPX3A	- AX
326	(146)	SIGNED	2	LCCAPX3P	- PASN
328	(148)	DBL WORD	8	LCCAP3C5	- ASTE REAL ADDRESS (CR5)
336	(150)	DBL WORD	8	LCCAP3C6	- CONTROL REGISTER 6
344	(158)	DBL WORD	8	LCCAP3C7	- CONTROL REGISTER 7
352	(160)	DBL WORD	8	LCCAP3C8 (0)	- CONTROL REGISTER 8
352	(160)	SIGNED	4		- Unused
356	(164)	SIGNED	2	LCCAPEX3	- EAX VALUE (LH CR8)
358	(166)	SIGNED	2		- SECOND HALF OF CR8
360	(168)	DBL WORD	8	LCCAP3C9	- CONTROL REGISTER 9
368	(170)	DBL WORD	8	LCCAP3CA	- CONTROL REGISTER 10
376	(178)	DBL WORD	8	LCCAP3CB	- CONTROL REGISTER 11
384	(180)	DBL WORD	8	LCCAP3CC	- CONTROL REGISTER 12
392	(188)	DBL WORD	8	LCCAP3CD	- CONTROL REGISTER 13
400	(190)	DBL WORD	8	LCCAP3CE	- CONTROL REGISTER 14
408	(198)	DBL WORD	8	LCCAP3CF	- PROGRAM FLIH RECURSION LINKAGE STACK ADDRESS SAVEAREA 3 (CR15)
416	(1A0)	ADDRESS	4	LCCADSA2	- REAL ADDRESS OF THE DATA SPACE ASTE CAUSING THE FAULT.
420	(1A4)	BITSTRING	4	LCCASHRL (0)	- Shared lock bits
420	(1A4)	BITSTRING	1	LCCASHRL_0	Byte 0
		1...		LCCATRAC	"X'80" - TRACE lock is held as shared
		.1.		LCCARSML	"X'40" - RSM lock is held as shared
		..1.		LCCAIOSL	"X'20" - IOS lock is held as shared
		...1		LCCAXCFQ	"X'10" - XCFQ lock is held as shared
		.... 1..		LCCAIOSU	"X'08" - IOSULUT lock is held as shared
		.... .1.		LCCAIXSH	"X'04" - IXLSHR lock is held as shared
		.... ..1.		LCCAWLMQ	"X'02" - WLMQ lock is held as shared
		.... ...1		LCCAREGS	"X'01" - REGSRV lock is held as shared
421	(1A5)	BITSTRING	1	LCCASHRL_1	Byte 1
		1...		LCCAGRSI	"X'80" - GRSINT lock is held as shared
		.1.		LCCASRME	"X'40" - SRMENQ lock is held as shared
422	(1A6)	BITSTRING	1	LCCASHRL_2	Byte 2
423	(1A7)	BITSTRING	1	LCCASHRL_3	Byte 3
424	(1A8)	DBL WORD	8	LCCA_PARTIALCPUMASK	64-BIT partial CPU BIT MASK, USE WITH LCCA_PartialCpuMaskOffset TO OBTAIN A COMPLETE MASK
424	(1A8)	DBL WORD	8	LCCA_CPU_ADDRESS_MASK	64-BIT CPU BIT MASK, USE WITH LCCA_CPU_ADDRESS_MASK_OFFSET TO OBTAIN A COMPLETE MASK
424	(1A8)	X'1A8'	0	LCCA_CPU_ADDRESS_MASK32	"LCCA_CPU_ADDRESS_MASK,4,C'X'" 32-bit mask with bit on for this CPU
424	(1A8)	X'1A8'	0	LCCA_CPU_AFFINITY_MASK	"LCCA_CPU_ADDRESS_MASK,2,C'X'" 16-bit mask for CPUs 0-15 for affinity checking
432	(1B0)	BITSTRING	8	LCCABEA1	- Breaking event address - recurs 1
440	(1B8)	BITSTRING	8	LCCABEA2	- Breaking event address - main
448	(1C0)	BITSTRING	8	LCCABEA3	- Breaking event address - recurs 3
456	(1C8)	BITSTRING	8	LCCABEA4	- Breaking event address - recurs 4
464	(1D0)	BITSTRING	8	LCCABEA5	- Breaking event address - recurs 5
472	(1D8)	BITSTRING	8	LCCAPSW3	- PROGRAM FLIH PSW SAVE AREA (MDC346)
480	(1E0)	SIGNED	4	LCCAINGR (8)	- INTERSECT REGISTER SAVE AREA (MDC325)
512	(200)	SIGNED	2	LCCABBCT	- COUNT OF THE NUMBER OF TIMES BIND BREAK HAS ENABLED
514	(202)	SIGNED	2	LCCAWFCT	- Bind Break Window Function Count - Incremented by code which opens an EMS window after it has completed its function
516	(204)	SIGNED	4	LCCAMCR0	- MACHINE CHECK FLIH CR0 SAVE AREA (MDC312)

LCCA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		LCCAMPEN	"X'10" - IF 0, PSA PROTECT DISABLED. IF 1, PSA PROTECT ENABLED. BIT IS IN HIGH-ORDER BYTE OF LCCAMCR0. (MDC315)
520	(208)	BITSTRING	4	LCCAIHRC (0)	- GENERAL FLIH RECURSION FLAGS
520	(208)	BITSTRING	1	LCCAIHR1	- FIRST BYTE OF LCCAIHRC
		1...		LCCAXRC1	"X'80" - EXTERNAL FLIH RECURSION BIT 1
		.1...		LCCAXRC2	"X'40" - EXTERNAL FLIH RECURSION BIT 2
521	(209)	BITSTRING	1	LCCAIHR2	- SECOND BYTE OF LCCAIHRC
522	(20A)	BITSTRING	1	LCCAIHR3	- THIRD BYTE OF LCCAIHRC
523	(20B)	BITSTRING	1	LCCAIHR4	- FOURTH BYTE OF LCCAIHRC
524	(20C)	BITSTRING	4	LCCASPIN (0)	- PROCESSOR IS SPINNING INDICATORS
524	(20C)	BITSTRING	1	LCCASPN1	- FIRST BYTE OF LCCASPIN
		1...		LCCASIGS	"X'80" - IEAVSIGP SPIN BIT
		.1...		LCCAERIS	"X'40" - IEAVERI SPIN BIT
		.1...		LCCALOCK	"X'20" - LOCK MANAGER SPIN BIT
		...1		LCCATSPN	"X'10" - SIMULATES SPIN FOR TIMER SUPERVISOR AT VARY TIME
		.... 1...		LCCARSTR	"X'08" - USED BY A PROGRAM SPINNING FOR THE RESTART RESOURCE MDC035
		.... ..1.		LCCAINT	"X'02" - INTERSECT FUNCTION SPIN BIT (MDC308)
		.... ...1		LCCAEXSN	"X'01" - SPIN BIT FOR EXCESSIVE SPIN NOTIFICATION ROUTINE IEEVEXSN (MDC330)
525	(20D)	BITSTRING	1	LCCASPN2	- SECOND BYTE OF LCCASPIN
		1...		LCCAMSF	"X'80" - MSSFCALL SVC SPIN CONDITION.
		.1...		LCCACHAP	"X'40" - ASCBCHAP SPIN BIT
		..1...		LCCACPUR	"X'20" - TIMER SPIN BIT
		...1		LCCASTAS	"X'10" - STATUS SPIN BIT
		.... 1...		LCCAESPN	"X'08" - IEAVESPN SPIN BIT
		.... ..1.		LCCASTST	"X'04" - CPU/VF STOP/START spin bit IEEVCVSR
		.... ..1.		LCCASXLS	"X'02" - XLS spin bit
526	(20E)	BITSTRING	1	LCCASPN3	- THIRD BYTE OF LCCASPIN
527	(20F)	BITSTRING	1	LCCASPN4	- FOURTH BYTE OF LCCASPIN
528	(210)	BITSTRING	8	(0)	- OWNERSHIP: SUPERVISOR SERIALIZATION: NONE
528	(210)	SIGNED	4	LCCATODH	- STCK WORK AREA - HIGH ORDER WORD
532	(214)	SIGNED	4	LCCATODL	- STCK WORK AREA - LOW ORDER WORD
536	(218)	ADDRESS	4	LCCACPLUS	- POINTER TO CPU WORK/SAVE AREA VECTOR TABLE
540	(21C)	BITSTRING	1	LCCADSF1	- DISPATCHER STATUS INDICATOR BYTE 1 SPECIAL EXIT FLAGS
		1...		LCCAACR	"X'80" - ACR IN PROGRESS
		.1...		LCCASPECIALEXITWTI	"X'40" - This CPU received a WTI.
		..1...		LCCAETSC	"X'20" - TOD SYNC CHECKS SHOULD BE ENABLED
		...1		LCCATIMR	"X'10" - CPU'S TOD CLOCK IS TO BE OR IS BEING SYNCHRONIZED MDC011
		.... 1...		LCCATSMC	"X'08" - TOD SYNC CHECK THRESHOLD HAS BEEN EXCEEDED
		.... ..1.		LCCASVC6	"X'04" - Dispatcher entry DSSRBRTN was spinning for the global intersect.
		.... ..1.		LCCATCT2	"X'02" - Dispatcher entry IEAVDSTC was spinning for the global intersect.
		.... ...1		LCCABIND	"X'01" - Perform bind-break on dispatch
541	(21D)	BITSTRING	1	LCCADSF2	- DISPATCHER STATUS INDICATOR BYTE 2 SPECIAL EXIT FLAGS
		1...		LCCASRBM	"X'80" - SRB MODE INDICATOR
		.1...		LCCAPARK	"X'40" - CPU is parked
		.1...		LCCASSRB	"X'20" - DISPATCHER SSRB PATH FOOTPRINT
		...1		LCCAEUTS	"X'10" - EUTSAVE SUBROUTINE FOOTPRINT
		.... 1...		LCCAEUTR	"X'08" - EUTREST SUBROUTINE FOOTPRINT
		.... ..1.		LCCATVS	"X'04" - Dispatcher footprint for XES Schedule List Transition Notification
		.... ..1.		LCCADS7E	"X'02" - Dispatcher footprint for entry from external or I/O FLIHs
		.... ...1		LCCATVS2	"X'01" - Dispatcher footprint for iQDIO notification.
542	(21E)	BITSTRING	1	LCCAPSMK	- STORE AREA FOR FLIH'S STOSM INSTRUCTION
543	(21F)	BITSTRING	1	LCCASCFL	- Supervisor Control flag byte. Current processor's field serialized via disablement.
		1...		LCCACRYP	"X'80" - THE ENCRYPTION FEATURE IS ENABLED ON THIS PROCESSOR (SET BY IEAMCPUF SERVICE). 40x was LCCAWTRK (Warning Track)
		..1...		LCCAPASS	"X'20" - Pass ABEND to interrupted unit of work indicator.
		...1		LCCATVSE	"X'10" - External FLIH footprint for XES processing in progress.
		.... 1...		LCCAAOLS	"X'08" Set when PSAAOLD was refreshed and IEAVELCR needs to record the old value in the VRA. The old value is saved in LCCAAOLD.
		.... ..1.		LCCATOLS	"X'04" Set when PSATOLD was refreshed and IEAVELCR needs to record the old value in the VRA. The old value is saved in LCCATOLD.
		.... ..1.		LCCATVS3	"X'02" - External FLIH footprint for iQDIO processing in progress.
		.... ...1		LCCAPPND	"X'01" CPU Park request is pending
544	(220)	BITSTRING	32	LCCADS0W (0)	- DISPATCHER CPU RELATED WORK AREA
544	(220)	ADDRESS	4	LCCAPWEB	- Dispatcher savearea for previous WEB on current WUQ. SERIALIZATION: Dispatcher Active OWNERSHIP: Supervisor Control
548	(224)	SIGNED	4	LCCADBCT	- DISPATCHER SAVEAREA FOR INTERNAL ASCB COUNTER. INITIALIZED TO SVTDSBCT AND DECREMENTED BY ONE FOR EACH ASCB SEARCHED.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		LCCARSW	"X'80" - Turned on whenever a the dispatcher is entered as a result of a successful Transfer request. Turned off by the dispatcher when a successful work search is completed.
552	(228)	ADDRESS	4	LCCADSV1	- DISPATCHER SAVEAREA
556	(22C)	ADDRESS	4	LCCADSV2	- DISPATCHER SAVEAREA
560	(230)	ADDRESS	4	LCCADSV3	- DISPATCHER SAVEAREA
564	(234)	ADDRESS	4	LCCADSV4	- DISPATCHER SAVEAREA
568	(238)	ADDRESS	4	LCCADSV5	- DISPATCHER SAVEAREA
572	(23C)	ADDRESS	4	LCCADSV6	- DISPATCHER SAVEAREA
576	(240)	ADDRESS	4	LCCAE1R	- EXTERNAL FLIH MAINLINE RETRY ADDRESS
580	(244)	ADDRESS	4	LCCAE2R	- EXTERNAL FLIH 1ST RECURSION RETRY ADDRESS
584	(248)	ADDRESS	4	LCCAE3R	- EXTERNAL FLIH 2ND RECURSION RETRY ADDRESS
588	(24C)	BITSTRING	1	LCCAPTR1	- PROGRAM FLIH RECURSION TEA AR NUMBER SAVEAREA 1
589	(24D)	BITSTRING	1	LCCAPTR2	- PROGRAM FLIH MAINLINE TEA AR NUMBER SAVEAREA 2
		..1.		LCCAPT22	"X'20" - Bit 2. On for PIC 2C for PTI or PR PASN translation when ALRF enabled
		...1		LCCAPT23	"X'10" - Bit 3. On for PIC 2C for SSAIR or PR SASN translation when ALRF enabled
		.... 1111		LCCAPT2N	"X'0F" - Bits 4-7. Actual AR#. Zeroes when bit 2 or bit 3 is on
590	(24E)	BITSTRING	1	LCCAPTR3	- PROGRAM FLIH RECURSION TEA MC AR NUMBER SAVEAREA 3
591	(24F)	BITSTRING	1	LCCAPPR2	- MAINLINE PER STORAGE ALTERATION AR NUMBER
592	(250)	BITSTRING	4	LCCA_DIAG250	- Diagnostic data for IBM use only
596	(254)	SIGNED	4	LCCAWTD	- AWM wait dispatch count
600	(258)	SIGNED	4	LCCAWS	- Short wait dispatch count
604	(25C)	SIGNED	4	LCCAWSU	- Unproductive short wait count
608	(260)	SIGNED	4	LCCAWS	- Short wait time slice count
612	(264)	BITSTRING	1	LCCASTCT	- The count of sequential transfers on this processor.
613	(265)	BITSTRING	1	LCCAFCLS	- Flags serialized by CS
		1... ..		LCCAWLOF	"X'80" - Processor varied offline by WLM
614	(266)	SIGNED	2	LCCABBCC	- Count of the number of times bind-break has completed a CMSET
616	(268)	DBL WORD	8	(0)	- ALIGN LCCAWTIM TO DOUBLE WORD
616	(268)	BITSTRING	8	LCCAWTIM	- ACCUMULATED CPU WAIT TIME
624	(270)	BITSTRING	16	LCCASXMR	SVC FLIH CROSS MEMORY CONTROL REGISTER SAVE AREA (MDC338)
640	(280)	SIGNED	2	LCCA_PARTIALCPUMASKOFFSET	THE BYTE OFFSET INTO A FULL CPU MASK THIS PARTIAL 8 BYTE MASK BLOCK (LCCA_PartialCpuMask) IS IN. WILL BE A MULTIPLE OF 8, WITH A MAXIMUM VALUE (ECVTMaxMPNumBytesInMask-8)
640	(280)	SIGNED	2	LCCA_CPU_ADDRESS_MASK_OFFSET	THE BYTE OFFSET INTO A FULL CPU MASK THIS 8 BYTE MASK BLOCK (LCCA_CPU_ADDRESS_MASK) IS IN. WILL BE A MULTIPLE OF 8, WITH A MAXIMUM VALUE (ECVTMaxMPNumBytesInMask-8)
642	(282)	BITSTRING	1	LCCADSF4	- Dispatcher status indicator byte 4 Special exit flags
		1... ..		LCCASPECIALEXITRESTART	"X'80" - Restart FLIH needs to ensure CR0 has correct External Interrupt bits set
643	(283)	BITSTRING	1	LCCAR283	- RESERVED
644	(284)	ADDRESS	4	LCCAESC5SRBADDR	Address of the first SRB IEAVESC5 dequeued from SVTGSMQ or SVTLMSQ. It is not on the LCCASMQJ queue. OWNERSHIP: SUPERVISOR
648	(288)	SIGNED	4	LCCA_NHTM_AT_CPTM_UPDATE	The NHTM timer value at the time CPTM is updated. In another word, this value is the CPU time that this CPU has run consecutively, since the last CPTM update. By subtracting this value from the CPTM, we will know whether the CPTM timer popped OWNERSHIP: SUPERVISOR
652	(28C)	ADDRESS	4	LCCALCCX	- Virtual address of LCCX 1
656	(290)	ADDRESS	4	LCCALCXR (0)	- Real address of LCCX
656	(290)	ADDRESS	4	LCCAFPWR	- Real address of FPWA
660	(294)	ADDRESS	4	LCCAESAV	- Virtual address of area pointed to by FLCESAA. Set during IPL and bringing a processor online. Never reset. (Pre-ESAME only) Ownership: Supervisor Control
664	(298)	ADDRESS	4	LCCAAOLD	If LCCAAOLS = 1, PSAOLD was refreshed and the original value of PSAOLD is saved in this field, so it can be recorded in the VRA.
668	(29C)	ADDRESS	4	LCCATOLD	If LCCATOLS = 1, PSAOLD was refreshed and the original value of PSAOLD is saved in this field, so it can be recorded in the VRA.
672	(2A0)	SIGNED	4	LCCASRBJ	- SUSPENDED SERVICE REQUEST BLOCK (SRB) JOURNAL WORD USED BY SETLOCK MDC043
676	(2A4)	ADDRESS	4	LCCADCPU	- VIRTUAL ADDRESS OF LCCA OF FAILING CPU
680	(2A8)	ADDRESS	4	LCCARCPU	- VIRTUAL ADDRESS OF LCCA OF RECOVERING CPU
684	(2AC)	SIGNED	4	LCCACRLC	- ACR SAVE AREA FOR HIGHEST LOCK HELD INDICATOR
688	(2B0)	SIGNED	4	LCCAR2B0	- Reserved, was LCCALCR0. SAVE AREA FOR FOR CONTROL REGISTER 0 WHE OPENING A WINDOW
692	(2B4)	BITSTRING	1	LCCACRFL	- ACR FLAGS
		1... ..		LCCACRTM	"X'80" - RTM ENTRY BIT
		..1.		LCCACLMS	"X'40" - PROCESS SUSPENDED
		.... ..1		LCCAVARY	"X'01" - TELLS ACR THAT VARY IS IN PROGRESS MDC038
693	(2B5)	BITSTRING	1	LCCACREX	- ACR ENTRY AND EXIT FLAGS

LCCA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		LCCACREF	"X'80" - EXTERNAL ROUTINE
		.1.		LCCACRRM	"X'40" - FINAL EXIT
		..1.		LCCACRLE	"X'20" - LOCK MANAGER EXIT
		...1		LCCACRRT	"X'10" - FRR EXIT
		.... 1..		LCCACRIN	"X'08" - ENTRY TYPE = ACR
		.... .1.		LCCACRLM	"X'04" - ENTRY TYPE = ACRLM
		.... ..1.		LCCACRDP	"X'02" - ENTRY TYPE = ACRDISP
		.... ...1		LCCACRST	"X'01" - SYSTERM TERMINATION EXIT FLAG MDC037
694	(2B6)	BITSTRING	1	LCCALKFG	- LOCK FLAG BYTE MDC005
		...1		LCCALKRD	"X'10" - THIS IS A LOCK MANAGER RELEASE DISABLED REQUEST MDC047
695	(2B7)	BITSTRING	1	LCCASTFL	- Status flag byte of CR0, serialized by running disabled on this LCCA's CPU. PI only for bit LCCAC063
		1...		LCCAC063	"X'80" - If ON, CR0 bit 63 is ON. This is a writable bit
696	(2B8)	SIGNED	4	LCCASLEB (0)	- SPIN LOOP EXEMPTION BITS
696	(2B8)	BITSTRING	1	LCCASLE1	- FLAG BYTE OWNERSHIP: RECONFIG SERIALIZATION: CS
		1...		LCCASTCP	"X'80" - BLWSPIN IN CONTROL.
		.1.		LCCARSTP	"X'40" - LOADWAIT/RESTART PROCESSING IS PLACING THIS PROCESSOR INTO A RESTARTABLE WAIT STATE.
		..1.		LCCAVTOD	"X'20" - IEATVTOD IN CONTROL.
		...1		LCCAESMR	"X'10" - IEATESMR IN CONTROL.
		.... 1..		LCCAXMFA	"X'08" - IGFPXMFA HAS STOPPED THIS CPU.
		.... ..1.		LCCACVSR	"X'04" - IEEVCVSR IN CONTROL.
		.... .1.		LCCABRCH	"X'02" - ISNBRNCH IN CONTROL.
		.... ...1		LCCABWTO	"X'01" - IEAVBWTO IN CONTROL.
697	(2B9)	BITSTRING	1	LCCASLE2	- FLAG BYTE 2
		1...		LCCAESC2	"X'80" - IEATESC2 or IEATTFDH in control. OWNERSHIP: RECONFIG. SERIALIZATION: CS.
		.1.		LCCAXLS	"X'40" - XLS is in control. Ownership: XES. Serialization: Disablement.
698	(2BA)	BITSTRING	2		- RESERVED
700	(2BC)	ADDRESS	4	LCCASLIP	- POINTER TO SLIP/PER WORK AREA (MDC316)
704	(2C0)	DBL WORD	8	(0)	- ALIGN LCCALWTM TO DOUBLE WORD MDC001
704	(2C0)	BITSTRING	8	LCCALWTM	- VALUE OF LCCAWTIM AT THE END OF A MEASUREMENT INTERVAL MDC001
712	(2C8)	ADDRESS	4	LCCASSA2	- REAL ADDRESS OF THE SUBSPACE ASTE CAUSING FAULT OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: DISABLEMENT
716	(2CC)	ADDRESS	4	LCCASSA5	- REAL ADDRESS OF THE SUBSPACE ASTE CAUSING RECURSIVE FAULT. OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: DISABLEMENT
720	(2D0)	DBL WORD	8	(0)	- ALIGN LCCASRBF TO DOUBLE WORD MDC009
720	(2D0)	CHARACTER	8	LCCASRBF (0)	- SRB FIELDS MDC009
720	(2D0)	SIGNED	2	LCCASAFN	- CPU AFFINITY IF IN SRB MODE MDC003
722	(2D2)	BITSTRING	6	LCCAPGTA	- ASID/TCB IF IN SRB MODE MDC004
728	(2D8)	ADDRESS	4	LCCAORMT	- OLD SRB RMTR VALUE SERIALIZATION: DISABLEMENT OWNERSHIP: SUPERVISOR CONTROL
		1...		LCCASSTD	"X'80" - SRB SUSPEND WITH TOKEN and Pause disabled summary bit.
		.1.		LCCASSTA	"X'40" - SRB SUSPEND WITH TOKEN and Pause DISABLED BECAUSE SRB WAS ABENDED BY PURGEDQ PROCESSING.
		..1.		LCCASSTE	"X'20" - SRB SUSPEND WITH TOKEN and Pause disabled
732	(2DC)	SIGNED	4	LCCANHTM	- The need help timer field is used to determine when a CPU should execute the need help processing logic. This field contains a CPU timer. This timer is decremented in Job Step Timing, after the CPU has executed some amount of work. If the timer reaches 0 or negative, need help processing logic is processed. OWNERSHIP: SUPERVISOR
736	(2E0)	ADDRESS	4	LCCAIOWA	- ADDRESS OF IOS WORKAREA (MDCXXX)
740	(2E4)	SIGNED	4	LCCAIOR1	- RESERVED FOR IOS (MDCXXX)
744	(2E8)	SIGNED	4	LCCAIOR2	- RESERVED FOR IOS (MDCXXX)
748	(2EC)	SIGNED	4	LCCAIOR3	- RESERVED FOR IOS (MDCXXX)
752	(2F0)	BITSTRING	3	LCCAR2F0	- RESERVED
755	(2F3)	BITSTRING	1	LCCAWFL2	- Copy of WEBFLAG2
756	(2F4)	SIGNED	4	LCCARSGR (16)	- RESTART FLIH REGISTER SAVE AREA
820	(334)	BITSTRING	16	LCCAWDT	- WEB Distribution Table. 16 one-byte elements. INITIALIZED BY: IEAVINIT SERIALIZATION: Disablement for current processor's LCCAWDT. OWNERSHIP: Supervisor Control
836	(344)	ADDRESS	4	LCCACWEB	- Address of the current workunit's WEB SERIALIZATION: Disablement. Global Intersect is required to change another processor's LCCACWEB field. OWNERSHIP: Supervisor Control
840	(348)	ADDRESS	4	LCCANWEB	- Address of the next WEB to be dispatched on the current CPU. SERIALIZATION: CS OWNERSHIP: Supervisor Control
844	(34C)	SIGNED	2	LCCAR34C	- Reserved
846	(34E)	SIGNED	2	LCCAWUQR	- Dispatchers rescan count
848	(350)	ADDRESS	4	LCCAWUQM	- Address of this processor's PWUQ. SERIALIZATION: Global Intersect OWNERSHIP: Supervisor Control
852	(354)	CHARACTER	8	LCCAFWP (0)	Processor Free WEB Pool and count. SERIALIZATION: Disablement for current processor's LCCAFWP OWNERSHIP: Supervisor Control

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
852	(354)	SIGNED	4	LCCAFWPP	Processor WEB Free Pool Header SERIALIZATION: Disablement for current processor's LCCAFWPP. OWNERSHIP: Supervisor Control
856	(358)	SIGNED	4	LCCAFWPC	Processor WEB Free Pool element count. SERIALIZATION: Disablement for current processor's LCCAFWPC. OWNERSHIP: Supervisor Control
860	(35C)	BITSTRING	4	LCCASRSA	- Stop/Reset IAC save area
864	(360)	SIGNED	4	LCCASMQJ	- GLOBAL SERVICE MANAGER QUEUE (GSMQ) AND LOCAL SERVICE MANAGER QUEUE (LSMQ) JOURNAL WORD USED BY DISPATCHER AND SCHEDULE. If non-0, the queue contains all global or all local SRBs.
868	(364)	SIGNED	4	LCCASPLJ	- GLOBAL SYSTEM PRIORITY LIST (GSPL) AND LOCAL SYSTEM PRIORITY LIST (LSPL) JOURNAL WORD USED BY DISPATCHER MDC045
872	(368)	SIGNED	4	LCCAETP	- UNPRODUCTIVE TASK PREEMPTION COUNT - NUMBER OF TASK TIME SLICE EXPIRATIONS THAT WERE NOT NEEDED (External Flth Detected) OWNERSHIP: SRM
876	(36C)	SIGNED	4	LCCAETPB	- UNPRODUCTIVE TASK PREEMPTION COUNT BASE - PREVIOUS VALUE OF LCCAETP OWNERSHIP: SRM
880	(370)	BITSTRING	12	LCCAIFAI	- IFA information
880	(370)	SIGNED	4	LCCAWUQW (0)	- IFA word (contains WUQI, ALTP) The dispatcher depends on these being together in the same word
880	(370)	BITSTRING	2	LCCAALTP	- Priority of WEB on alternate WUQ when honoring priorities.
882	(372)	SIGNED	2	LCCAWUQI	- Dispatcher's current index into the WUQ Array (LCCAWUQA), used during Dispatcher Work Search. SERIALIZATION: Dispatcher Active OWNERSHIP: Supervisor Control
884	(374)	SIGNED	2	LCCAALTI	- Alternate WUQ index: into LCCAWUQA for the alternate WUQ when actively attempting to dispatch from the secondary queue. Zero otherwise.
886	(376)	BITSTRING 1...	1	LCCAIFAF LCCACRR	- IFA flags. These will move "X'80" - round robin concurrent - On: means equal priority work on the - alternative WUQ gets to run before - the same priority work on the primary - WUQ
887	(377)	BITSTRING 1... .... .1... .... ..1.	1	LCCAFLGS LCCATDIE LCCAWUQHASCHANGED LCCASRBISGLOBAL	- Flags, serialized by running disabled on this LCCA's CPU. "X'80" - A timer DIE is running. "X'40" - Global Recovery ran, so the WUQ probably changed.
		...1		LCCAIEAVEDSRHASREQUEUEDSRBS	"X'20" When 1, IEAVESC5 is processing SRBs from SVTGSMQ. Valid only when LccaEsc5SrbAddr is non-0.
		.... 1...		LCCA_TURN_OFF_CR0_AFPREGISTER	"X'10" Set when IEAVEDSR has requeued SRBs to the SVTGSMQ or SVTLSTMQ.
		.... .1..		LCCAZ1	"X'08" Set when first use of AFPRs is in timer DIE
888	(378)	BITSTRING	2	LCCAR378	"X'04" IHAZONEO
888	(378)	BITSTRING	2	LCCAPROCCLASS_PREZOS21	- Copy of WEBProcClass
888	(378)	BITSTRING	2	LCCA_BYLPAR_PROCCLASS_PREZOS21	- Copy of WEBProcClass
890	(37A)	BITSTRING	2	LCCAPALP	- Promotion ALTP: saved when lock promotion is being done and used to restore LCCAALTP when promotion is backed out
892	(37C)	ADDRESS	4	LCCARWQL	- Recovery word for WebQLock address Ownership: Supervisor Control Serialization: Disablement
896	(380)	SIGNED	4	LCCASGPR (16)	- SVC FLIH GENERAL REGISTER SAVE AREA (MDC301)
960	(3C0)	BITSTRING 1... .... .1... .... ..1. .... ...1 1...	1	LCCADS0F LCCADSE1 LCCADSE2 LCCADSE3 LCCADSE4 LCCADSE5	- DISPATCHER DIAGNOSTIC EXIT FLAG BYTE "X'80" - DISPATCHER UNLOCKED TASK DISPATCH DIAGNOSTIC EXIT ROUTED CONTROL "X'40" - DISPATCHER LOCKED TASK DISPATCH DIAGNOSTIC EXIT ROUTED CONTROL "X'20" - DISPATCHER SRB DISPATCH DIAGNOSTIC EXIT ROUTED CONTROL "X'10" - DISPATCHER SSRB DISPATCH DIAGNOSTIC EXIT ROUTED CONTROL "X'08" - DISPATCHER WAIT TASK DISPATCH DIAGNOSTIC EXIT ROUTED CONTROL
961	(3C1)	BITSTRING .1... .... ..1. .... ...1 1... .... ...1	1	LCCAFPFL LCCARIA LCCATEE LCCABFP LCCAZ2 LCCABFPH	- Floating point Flags "X'40" RIA "X'20" TEE "X'10" Extended FP status is being saved "X'08" IHAZONEO "X'01" BFP hardware is present. This bit is a duplicate of CVTBFP so that dat-off reference can be made. It is set only at IPL and when a processor is brought online
962	(3C2)	BITSTRING	2	LCCAPER	- PROGRAM EVENT RECORDING CODE (MDC326)
964	(3C4)	ADDRESS	4	LCCAPER	- PER ADDRESS (MDC327)
968	(3C8)	ADDRESS	4	LCCASDUV	- SRB RELATED DUCT VIRTUAL ADDRESS
972	(3CC)	ADDRESS	4	LCCASDUR	- SRB RELATED DUCT REAL ADDRESS

LCCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
976	(3D0)	ADDRESS	4	LCCAIDUV	- INTERRUPT HANDLER DUCT VIRTUAL ADDRESS
980	(3D4)	ADDRESS	4	LCCAIDUR	- INTERRUPT HANDLER DUCT REAL ADDRESS
984	(3D8)	ADDRESS	4	LCCASCW1	- SUPERVISOR CONTROL WORK AREA 1 USED BY VARIOUS SUPERVISORY ROUTINES PRESERVED ACROSS CALLS TO IEAVECMS OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: DISABLEMENT
988	(3DC)	ADDRESS	4	LCCASCW2	- SUPERVISOR CONTROL WORK AREA 2 USED BY VARIOUS SUPERVISORY ROUTINES PRESERVED ACROSS CALLS TO IEAVECMS OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: DISABLEMENT
992	(3E0)	ADDRESS	4	LCCASCW3	- Analogous to SCW2
996	(3E4)	ADDRESS	4	LCCASCW4	- Analogous to SCW2
1000	(3E8)	DBL WORD	8	LCCA_WUQA_EQPRIORQMDP_TOD	When adding a RQMed WEB and the next WEB has an equal non-RQM dispatch priority and a lower RQM dispatch priority, this TOD represents the latest time where a WEB may be added in front of the lower RQM dispatch priority
1008	(3F0)	DBL WORD	8	LCCA_CR0ESAVEAREA	Save area for grande CRO
1016	(3F8)	DBL WORD	8	LCCA_TIMERCR0ESAVEAREA	Timer save area for grande CRO
1024	(400)	BITSTRING	112	LCCAR400	- Reserved
1136	(470)	BITSTRING	8	LCCAELKP	- LOCK MANAGER PSW SAVE AREA (MDC342)
1144	(478)	SIGNED	4	LCCASTG1 (18)	- STATUS REGISTER SAVE AREA (MDC338)
1216	(4C0)	SIGNED	4	LCCASC5A (5)	- PCLINK SAVE AREA FOR REGISTERS 8-12 (CALLER'S REGISTERS) (MDC341)
1236	(4D4)	SIGNED	4	LCCASREG (13)	- PCLINK SAVE AREA (MDC341)
1288	(508)	BITSTRING	1	LCCASMSK	- PCLINK SYSTEM MASK (MDC341)
1289	(509)	BITSTRING	1	LCCARSMK	- RESUME/TCTL SYSTEM MASK (MDC340)
1290	(50A)	BITSTRING	1	LCCAPGMM	- PCLINK PROGRAM MASK (MDC341)
1291	(50B)	BITSTRING	1	LCCATCFB	- RESUME/TCTL RECOVERY FOOTPRINT BYTE (MDC346)
		1... ..		LCCATCTL	"X'80" - TCTL IN CONTROL AT ABEND (MDC346)
		.1.. ..		LCCATCAC	"X'40" - TCBACTIV AND TCBS3A SET (MDC346)
1292	(50C)	SIGNED	4	LCCARSMC (0)	- RESUME REGISTER SAVE AREA FOR REGISTERS 11-4 (MDC338)
1292	(50C)	SIGNED	4	LCCARES1 (7)	- RESUME REGISTER SAVE AREA FOR REG 11 - REG 1 (MDC338)
1320	(528)	SIGNED	4	LCCARES2 (3)	- RESUME REGISTER SAVE AREA FOR REG 2 - REG 4 (MDC338)
1332	(534)	SIGNED	4	LCCASPSW	- SYSTEM MASK SAVE AREA, USED BY MACHINE CHECK HANDLER
1336	(538)	SIGNED	4	LCCASRGS	- RETURN ADDRESS SAVE AREA, USED BY MACHINE CHECK HANDLER
1340	(53C)	ADDRESS	4	LCCAPRMW	- Address of the WEB on whose behalf a priority promotion was initiated. SERIALIATION: Dispatcher Active OWNERSHIP: Supervisor Control
1344	(540)	ADDRESS	4	LCCAPTCB	- ADDRESS OF THE TCB ON WHOSE BEHALF A PRIORITY PROMOTION WAS INITIATED. (MDC347)
1348	(544)	ADDRESS	4	LCCAPRTN	- DISPATCHER RETURN POINT IF NO DISPATCHABLE WORK IS FOUND IN A PROMOTED ADDRESS SPACE. (MDC347)
1352	(548)	SIGNED	4	LCCACDXM (2)	- CALLDISP XMEM SAVE AREA (MDC338)
1360	(550)	SIGNED	4	LCCATCBC	- SMF23 TCB COUNT
1364	(554)	SIGNED	4	LCCASRBC	- SMF23 SRB COUNT
1368	(558)	SIGNED	4	LCCACR8W	- WORK AREA FOR CONTROL REG 8
1372	(55C)	BITSTRING	12	LCCAIOMUX (0)	- IOS CROSS MEMORY SAVE AREA (MDC339)
1372	(55C)	SIGNED	4	LCCAIOS	- IOS PSW S-BIT REGISTER SAVE AREA (MDC339)
1376	(560)	SIGNED	4	LCCAIOC3	- IOS CONTROL REGISTER 3 SAVE AREA (MDC339)
1380	(564)	SIGNED	4	LCCAIOC4	- IOS CONTROL REGISTER 4 SAVE AREA (MDC339)
1384	(568)	SIGNED	4	LCCABBRC	- BIND BREAK COMMUNICATION BUFFER USED BY IEAVEBBR (MDC344)
1388	(56C)	CHARACTER	64	LCCACDSV (0)	- CALLDISP SERVICE ROUTINE REGISTER SAVE AREA FOR REGISTERS 0-15 (MDC344)
1388	(56C)	SIGNED	4	LCCACDS0	- CALLDISP REGISTER 0 SAVE AREA (MDC344)
1392	(570)	SIGNED	4	LCCACDS1	- CALLDISP REGISTER 1 SAVE AREA (MDC344)
1396	(574)	SIGNED	4	LCCACDS2	- CALLDISP REGISTER 2 SAVE AREA (MDC344)
1400	(578)	SIGNED	4	LCCACDS3	- CALLDISP REGISTER 3 SAVE AREA (MDC344)
1404	(57C)	SIGNED	4	LCCACDS4	- CALLDISP REGISTER 4 SAVE AREA (MDC344)
1408	(580)	SIGNED	4	LCCACDS5	- CALLDISP REGISTER 5 SAVE AREA (MDC344)
1412	(584)	SIGNED	4	LCCACDS6	- CALLDISP REGISTER 6 SAVE AREA (MDC344)
1416	(588)	SIGNED	4	LCCACDS7	- CALLDISP REGISTER 7 SAVE AREA (MDC344)
1420	(58C)	SIGNED	4	LCCACDS8	- CALLDISP REGISTER 8 SAVE AREA (MDC344)
1424	(590)	SIGNED	4	LCCACDS9	- CALLDISP REGISTER 9 SAVE AREA (MDC344)
1428	(594)	SIGNED	4	LCCACDSA	- CALLDISP REGISTER 10 SAVE AREA (MDC344)
1432	(598)	SIGNED	4	LCCACDSB	- CALLDISP REGISTER 11 SAVE AREA (MDC344)
1436	(59C)	SIGNED	4	LCCACDSC	- CALLDISP REGISTER 12 SAVE AREA (MDC344)
1440	(5A0)	SIGNED	4	LCCACDSD	- CALLDISP REGISTER 13 SAVE AREA (MDC344)
1444	(5A4)	SIGNED	4	LCCACDSE	- CALLDISP REGISTER 14 SAVE AREA (MDC344)
1448	(5A8)	SIGNED	4	LCCACDSF	- CALLDISP REGISTER 15 SAVE AREA (MDC344)
1452	(5AC)	SIGNED	4	LCCASLSA (16)	- LCCA SINGLE LEVEL SAVE AREA USED BY MACHINE CHECK HANDLER (MDC344)
1516	(5EC)	ADDRESS	4	LCCARWEB	- Address of WEB expected to be locked by this CPU on entry to global recovery.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		LCCARWLK	"X'80" Indicator that WEB in LCCARWEB is not validly locked but the AWQ lock for the WEB can be held by this CPU
1520	(5F0)	SIGNED	4	LCCAPOST (10)	- POST SAVE AREA FOR SRB POOL MANAGER
1560	(618)	ADDRESS	4	LCCALOV	- SRB RELATED AL VIRTUAL ADDRESS OR ZERO (ZERO MEANS THE NULL OR BASIC ACCESS LIST)
1564	(61C)	ADDRESS	4	LCCAPSB2	- ASCB ADDRESS WHERE PAGE/SEGMENT FAULT OCCURRED
1568	(620)	ADDRESS	4	LCCALSSD	- LSSD ADDRESS FOR THE PROCESSOR RELATED SRB LINKAGE STACK
1572	(624)	ADDRESS	4	LCCALSDP	- ADDRESS OF THE FIRST LSED IN THE PROCESSOR RELATED SRB LINKAGE STACK
1576	(628)	BITSTRING	8	LCCAXTIM	- EXTERNAL FLIH TIMER SAVE AREA 1
1584	(630)	BITSTRING	64	LCCAPAR3 (0)	- PROGRAM FLIH RECURSION MC ACCESS REGISTER SAVEAREA 3
1584	(630)	SIGNED	4	LCCAP3A0	- ACCESS REGISTER 0
1588	(634)	SIGNED	4	LCCAP3A1	- ACCESS REGISTER 1
1592	(638)	SIGNED	4	LCCAP3A2	- ACCESS REGISTER 2
1596	(63C)	SIGNED	4	LCCAP3A3	- ACCESS REGISTER 3
1600	(640)	SIGNED	4	LCCAP3A4	- ACCESS REGISTER 4
1604	(644)	SIGNED	4	LCCAP3A5	- ACCESS REGISTER 5
1608	(648)	SIGNED	4	LCCAP3A6	- ACCESS REGISTER 6
1612	(64C)	SIGNED	4	LCCAP3A7	- ACCESS REGISTER 7
1616	(650)	SIGNED	4	LCCAP3A8	- ACCESS REGISTER 8
1620	(654)	SIGNED	4	LCCAP3A9	- ACCESS REGISTER 9
1624	(658)	SIGNED	4	LCCAP3AA	- ACCESS REGISTER 10
1628	(65C)	SIGNED	4	LCCAP3AB	- ACCESS REGISTER 11
1632	(660)	SIGNED	4	LCCAP3AC	- ACCESS REGISTER 12
1636	(664)	SIGNED	4	LCCAP3AD	- ACCESS REGISTER 13
1640	(668)	SIGNED	4	LCCAP3AE	- ACCESS REGISTER 14
1644	(66C)	SIGNED	4	LCCAP3AF	- ACCESS REGISTER 15
1648	(670)	SIGNED	4	LCCAEWS0 (16)	- IEAVWUQA REGISTER SAVE AREA
1712	(6B0)	DBL WORD	8	LCCAPPS1	- PROGRAM FLIH RECURSION PSW SAVE AREA 1
1720	(6B8)	BITSTRING	4	LCCAPIC1	- PROGRAM FLIH RECURSION ILC AND INTERRUPT CODE SAVE AREA 1
1720	(6B8)	X'6BA'	0	LCCAPEEC1	"LCCAPIC1+2" EXCEPTION - EXTENSION CODE 1
1724	(6BC)	BITSTRING	4	LCCAPTE1	- PROGRAM FLIH RECURSION TRANSLATION EXCEPTION ADDRESS SAVE AREA 1
1728	(6C0)	SIGNED	4	LCCAPGR4 (16)	- PROGRAM FLIH REGISTER SAVE AREA 4
1792	(700)	SIGNED	4	LCCAPSLI (18)	- PROGRAM FLIH SAVE AREA TO PASS TO SLIH ROUTINES
1864	(748)	ADDRESS	4	LCCALSHD	- LSSD ADDRESS FOR THE INTERRUPT HANDLER LINKAGE STACK
1868	(74C)	ADDRESS	4	LCCALSHP	- ADDRESS OF THE FIRST LSED IN THE INTERRUPT HANDLER LINKAGE STACK
1872	(750)	DBL WORD	8	LCCAPPS3	- PROGRAM FLIH RECURSION PSW SAVE AREA 3
1880	(758)	BITSTRING	4	LCCAPIC3	- PROGRAM FLIH RECURSION ILC AND INTERRUPT CODE SAVE AREA 3
1884	(75C)	BITSTRING	4	LCCAPTE3	- PROGRAM FLIH RECURSION TRANSLATION EXCEPTION ADDRESS SAVE AREA 3
1888	(760)	BITSTRING	64	LCCAPAR1 (0)	- PROGRAM FLIH RECURSION ACCESS REGISTER SAVEAREA 1
1888	(760)	SIGNED	4	LCCAP1A0	- ACCESS REGISTER 0
1892	(764)	SIGNED	4	LCCAP1A1	- ACCESS REGISTER 1
1896	(768)	SIGNED	4	LCCAP1A2	- ACCESS REGISTER 2
1900	(76C)	SIGNED	4	LCCAP1A3	- ACCESS REGISTER 3
1904	(770)	SIGNED	4	LCCAP1A4	- ACCESS REGISTER 4
1908	(774)	SIGNED	4	LCCAP1A5	- ACCESS REGISTER 5
1912	(778)	SIGNED	4	LCCAP1A6	- ACCESS REGISTER 6
1916	(77C)	SIGNED	4	LCCAP1A7	- ACCESS REGISTER 7
1920	(780)	SIGNED	4	LCCAP1A8	- ACCESS REGISTER 8
1924	(784)	SIGNED	4	LCCAP1A9	- ACCESS REGISTER 9
1928	(788)	SIGNED	4	LCCAP1AA	- ACCESS REGISTER 10
1932	(78C)	SIGNED	4	LCCAP1AB	- ACCESS REGISTER 11
1936	(790)	SIGNED	4	LCCAP1AC	- ACCESS REGISTER 12
1940	(794)	SIGNED	4	LCCAP1AD	- ACCESS REGISTER 13
1944	(798)	SIGNED	4	LCCAP1AE	- ACCESS REGISTER 14
1948	(79C)	SIGNED	4	LCCAP1AF	- ACCESS REGISTER 15
1952	(7A0)	BITSTRING	64	LCCAPAR4 (0)	- PROGRAM FLIH ACCESS REGISTER SAVEAREA 4
1952	(7A0)	SIGNED	4	LCCAP4A0	- ACCESS REGISTER 0
1956	(7A4)	SIGNED	4	LCCAP4A1	- ACCESS REGISTER 1
1960	(7A8)	SIGNED	4	LCCAP4A2	- ACCESS REGISTER 2
1964	(7AC)	SIGNED	4	LCCAP4A3	- ACCESS REGISTER 3
1968	(7B0)	SIGNED	4	LCCAP4A4	- ACCESS REGISTER 4
1972	(7B4)	SIGNED	4	LCCAP4A5	- ACCESS REGISTER 5
1976	(7B8)	SIGNED	4	LCCAP4A6	- ACCESS REGISTER 6
1980	(7BC)	SIGNED	4	LCCAP4A7	- ACCESS REGISTER 7
1984	(7C0)	SIGNED	4	LCCAP4A8	- ACCESS REGISTER 8
1988	(7C4)	SIGNED	4	LCCAP4A9	- ACCESS REGISTER 9
1992	(7C8)	SIGNED	4	LCCAP4AA	- ACCESS REGISTER 10
1996	(7CC)	SIGNED	4	LCCAP4AB	- ACCESS REGISTER 11
2000	(7D0)	SIGNED	4	LCCAP4AC	- ACCESS REGISTER 12
2004	(7D4)	SIGNED	4	LCCAP4AD	- ACCESS REGISTER 13

LCCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2008	(7D8)	SIGNED	4	LCCAP4AE	- ACCESS REGISTER 14
2012	(7DC)	SIGNED	4	LCCAP4AF	- ACCESS REGISTER 15
2016	(7E0)	BITSTRING	64	LCCARARS (0)	- RESTART FLIH ACCESS REGISTER SAVEAREA
2016	(7E0)	SIGNED	4	LCCARAR0	- ACCESS REGISTER 0
2020	(7E4)	SIGNED	4	LCCARAR1	- ACCESS REGISTER 1
2024	(7E8)	SIGNED	4	LCCARAR2	- ACCESS REGISTER 2
2028	(7EC)	SIGNED	4	LCCARAR3	- ACCESS REGISTER 3
2032	(7F0)	SIGNED	4	LCCARAR4	- ACCESS REGISTER 4
2036	(7F4)	SIGNED	4	LCCARAR5	- ACCESS REGISTER 5
2040	(7F8)	SIGNED	4	LCCARAR6	- ACCESS REGISTER 6
2044	(7FC)	SIGNED	4	LCCARAR7	- ACCESS REGISTER 7
2048	(800)	SIGNED	4	LCCARAR8	- ACCESS REGISTER 8
2052	(804)	SIGNED	4	LCCARAR9	- ACCESS REGISTER 9
2056	(808)	SIGNED	4	LCCARARA	- ACCESS REGISTER 10
2060	(80C)	SIGNED	4	LCCARARB	- ACCESS REGISTER 11
2064	(810)	SIGNED	4	LCCARARC	- ACCESS REGISTER 12
2068	(814)	SIGNED	4	LCCARARD	- ACCESS REGISTER 13
2072	(818)	SIGNED	4	LCCARARE	- ACCESS REGISTER 14
2076	(81C)	SIGNED	4	LCCARARF	- ACCESS REGISTER 15
2080	(820)	BITSTRING	128	(0)	- was LCCAPCR3/4
2080	(820)	BITSTRING	128	LCCAPCR1 (0)	- PROGRAM FLIH RECURSION CONTROL REGISTER SAVEAREA 1
2080	(820)	DBL WORD	8	LCCAP1C0	- CONTROL REGISTER 0
2088	(828)	DBL WORD	8	LCCAP1C1	- CONTROL REGISTER 1
2096	(830)	DBL WORD	8	LCCAP1C2 (0)	- DUCT ORIGIN ADDRESS (CR2)
2096	(830)	SIGNED	4	LCCAP1C2H	- DUCT ORIGIN ADDRESS (CR2) high half
2100	(834)	SIGNED	4	LCCAP1C2L	- DUCT ORIGIN ADDRESS (CR2) low half 1
2104	(838)	BITSTRING	16	LCCAP1XM (0)	- XM CRs
2104	(838)	DBL WORD	8	LCCAP1C3 (0)	- CONTROL REGISTER 3
2104	(838)	SIGNED	4		- SASTE SN
2108	(83C)	SIGNED	2	LCCAPX1K	- PROGRAM KEY MASK
2110	(83E)	SIGNED	2	LCCAPX1S	- SASN
2112	(840)	DBL WORD	8	LCCAP1C4 (0)	- CONTROL REGISTER 4
2112	(840)	SIGNED	4		- PASTE SN
2116	(844)	SIGNED	2	LCCAPX1A	- AX
2118	(846)	SIGNED	2	LCCAPX1P	- PASN
2120	(848)	DBL WORD	8	LCCAP1C5	- ASTE REAL ADDRESS (CR5)
2128	(850)	DBL WORD	8	LCCAP1C6	- CONTROL REGISTER 6
2136	(858)	DBL WORD	8	LCCAP1C7	- CONTROL REGISTER 7
2144	(860)	DBL WORD	8	LCCAP1C8 (0)	- CONTROL REGISTER 8
2144	(860)	SIGNED	4		- Unused
2148	(864)	SIGNED	2	LCCAPEX1	- EAX VALUE (LH CR8)
2150	(866)	SIGNED	2		- SECOND HALF OF CR8
2152	(868)	DBL WORD	8	LCCAP1C9	- CONTROL REGISTER 9
2160	(870)	DBL WORD	8	LCCAP1CA	- CONTROL REGISTER 10
2168	(878)	DBL WORD	8	LCCAP1CB	- CONTROL REGISTER 11
2176	(880)	DBL WORD	8	LCCAP1CC	- CONTROL REGISTER 12
2184	(888)	DBL WORD	8	LCCAP1CD	- CONTROL REGISTER 13
2192	(890)	DBL WORD	8	LCCAP1CE	- CONTROL REGISTER 14
2200	(898)	DBL WORD	8	LCCAP1CF	- PROGRAM FLIH RECURSION LINKAGE STACK ADDRESS SAVEAREA 1 (CR15)
2208	(8A0)	BITSTRING	128	(0)	- was LCCARCRS/LCCAPGR5
2208	(8A0)	BITSTRING	128	LCCAPCR2 (0)	- PROGRAM FLIH MAINLINE CONTROL REGISTER SAVEAREA 2
2208	(8A0)	DBL WORD	8	LCCAP2C0	- CONTROL REGISTER 0
2216	(8A8)	DBL WORD	8	LCCAP2C1 (0)	- CONTROL REGISTER 1
2216	(8A8)	SIGNED	4	LCCAP2C1H	- CONTROL REGISTER 1 high
2220	(8AC)	SIGNED	4	LCCAP2C1L	- CONTROL REGISTER 1 low
2224	(8B0)	DBL WORD	8	LCCAP2C2 (0)	- DUCT ORIGIN ADDRESS (CR2)
2224	(8B0)	SIGNED	4	LCCAP2C2H	- DUCT ORIGIN ADDRESS (CR2) high
2228	(8B4)	SIGNED	4	LCCAP2C2L	- DUCT ORIGIN ADDRESS (CR2) low - 1
2232	(8B8)	BITSTRING	16	LCCAP2XM (0)	- XM CRs
2232	(8B8)	DBL WORD	8	LCCAP2C3 (0)	- CONTROL REGISTER 3
2232	(8B8)	SIGNED	4	LCCAP2C3S	- SASTE SN
2236	(8BC)	SIGNED	2	LCCAPX2K	- PROGRAM KEY MASK
2238	(8BE)	SIGNED	2	LCCAPX2S	- SASN
2240	(8C0)	DBL WORD	8	LCCAP2C4 (0)	- CONTROL REGISTER 4
2240	(8C0)	SIGNED	4	LCCAP2C4S	- PASTE SN
2244	(8C4)	SIGNED	2	LCCAPX2A	- AX
2246	(8C6)	SIGNED	2	LCCAPX2P	- PASN
2248	(8C8)	DBL WORD	8	LCCAP2C5 (0)	- ASTE REAL ADDRESS (CR5)
2248	(8C8)	SIGNED	4	LCCAP2C5H	- ASTE REAL ADDRESS (CR5) high
2252	(8CC)	SIGNED	4	LCCAP2C5L	- ASTE REAL ADDRESS (CR5) low
2256	(8D0)	DBL WORD	8	LCCAP2C6	- CONTROL REGISTER 6
2264	(8D8)	DBL WORD	8	LCCAP2C7 (0)	- CONTROL REGISTER 7
2264	(8D8)	SIGNED	4	LCCAP2C7H	- CONTROL REGISTER 7 high half

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2268	(8DC)	SIGNED	4	LCCAP2C7L	- CONTROL REGISTER 7 low half
2272	(8E0)	DBL WORD	8	LCCAP2C8 (0)	- CONTROL REGISTER 8
2272	(8E0)	SIGNED	4		- Unused
2276	(8E4)	SIGNED	2	LCCAPEX2	- EAX VALUE (LH CR8)
2278	(8E6)	SIGNED	2		- SECOND HALF OF CR8
2280	(8E8)	DBL WORD	8	LCCAP2C9	- CONTROL REGISTER 9
2288	(8F0)	DBL WORD	8	LCCAP2CA	- CONTROL REGISTER 10
2296	(8F8)	DBL WORD	8	LCCAP2CB	- CONTROL REGISTER 11
2304	(900)	DBL WORD	8	LCCAP2CC	- CONTROL REGISTER 12
2312	(908)	DBL WORD	8	LCCAP2CD	- CONTROL REGISTER 13
2320	(910)	DBL WORD	8	LCCAP2CE	- CONTROL REGISTER 14
2328	(918)	DBL WORD	8	LCCAP2CF (0)	- PROGRAM FLIH MAINLINE LINKAGE STACK
2328	(918)	SIGNED	4	LCCAP2CFH	- High half of CR15
2332	(91C)	SIGNED	4	LCCAP2CFL	- Low half of CR15 ADDRESS (CR15)
2336	(920)	SIGNED	2	LCCAPWDA (0)	- Processor Waiting and Dispatcher active Flags (must be in same halfword)
2336	(920)	BITSTRING	1	LCCAPWAIT	- Wait flags for this CPU
		1...		LCCAPWSTS	"X'80" WAIT TASK TIME SLICE FLAG 1=WAIT TASK TIME SLICE WAS A SHORT ONE. BIT IS SET BY THE DISPATCHER AND RESET BY THE DISPATCHER VIA A MOVE IMMEDIATE INSTRUCTION
		.1.		LCCAPWTCK	"X'40" WAIT TASK TIME SLICE FLAG 1=WAIT TASK TIME SLICE HAS EXPIRED BIT IS SET BY THE EXTERNAL FLIH AND RESET BY THE DISPATCHER VIA A MOVE IMMEDIATE INSTRUCTION
		.... ...1		LCCA_PROCESSOR_WAITING	"X'01" Processor Waiting flag
2337	(921)	BITSTRING	1	LCCADACT	Dispatcher Active Flags
		1...		LCCADSCAN	"X'80" WORK QUEUE RESCAN REQUIRED BIT IS SET AND RESET BY THE DISPATCHER ONLY WHILE ACTIVE IS ALREADY HELD.
		.1.		LCCADPRMT	"X'40" TASK TIME SLICE FLAG 1=TASK TIME SLICE HAS EXPIRED BIT SET BY EXTERNAL FLIH AND RESET BY THE DISPATCHER
		..1.		LCCADPRMT_MAJOR	"X'20" When LCCADPRMT is on, if this bit is on a major task time slice was the reason for interrupting the running thread. Otherwise it was a minor task time slice that interrupted the thread
		...1		LCCA_RESCAN_LCCAWUQR	"X'10" When on, indicates dispatcher rescan processing needs to run for the number of times in LCCAWUQR before entering a wait.
		.... ...1		LCCA_DISPATCHER_ACTIVE	"X'01" Dispatcher_Active indicator
2338	(922)	SIGNED	2	LCCAOILC	- Original ILC. Only valid when LCCAFPPE is on.
2340	(924)	SIGNED	4	LCCAPSB5	- ASCB ADDRESS WHERE PAGE/SEGMENT FAULT OCCURRED
2344	(928)	BITSTRING	64	LCCAPAR5 (0)	- PROGRAM FLIH RECURSION ACCESS REGISTER SAVEAREA 5
2344	(928)	SIGNED	4	LCCAP5A0	- ACCESS REGISTER 0
2348	(92C)	SIGNED	4	LCCAP5A1	- ACCESS REGISTER 1
2352	(930)	SIGNED	4	LCCAP5A2	- ACCESS REGISTER 2
2356	(934)	SIGNED	4	LCCAP5A3	- ACCESS REGISTER 3
2360	(938)	SIGNED	4	LCCAP5A4	- ACCESS REGISTER 4
2364	(93C)	SIGNED	4	LCCAP5A5	- ACCESS REGISTER 5
2368	(940)	SIGNED	4	LCCAP5A6	- ACCESS REGISTER 6
2372	(944)	SIGNED	4	LCCAP5A7	- ACCESS REGISTER 7
2376	(948)	SIGNED	4	LCCAP5A8	- ACCESS REGISTER 8
2380	(94C)	SIGNED	4	LCCAP5A9	- ACCESS REGISTER 9
2384	(950)	SIGNED	4	LCCAP5AA	- ACCESS REGISTER 10
2388	(954)	SIGNED	4	LCCAP5AB	- ACCESS REGISTER 11
2392	(958)	SIGNED	4	LCCAP5AC	- ACCESS REGISTER 12
2396	(95C)	SIGNED	4	LCCAP5AD	- ACCESS REGISTER 13
2400	(960)	SIGNED	4	LCCAP5AE	- ACCESS REGISTER 14
2404	(964)	SIGNED	4	LCCAP5AF	- ACCESS REGISTER 15
2408	(968)	BITSTRING	1	LCCAPTR5	- PROGRAM FLIH RECURSION TEA AR NUMBER SAVEAREA 5
2409	(969)	BITSTRING	1	LCCAPMFV	- RECURSIVE PAGE FAULT MAINLINE FUNCTION VALUE SAVEAREA
2410	(96A)	SIGNED	2	LCCADIEP	- PASN value set by previous CMSET SET,DIE=YES,... Used by program FLIH to determine whether a SSE program interrupt is valid.
2412	(96C)	BITSTRING	64	(0)	- was LCCAPCR5
2412	(96C)	SIGNED	4	LCCAPGR5 (16)	- PROGRAM FLIH RECURSION REGISTER SAVE AREA 5
2476	(9AC)	ADDRESS	4	LCCADSA5	- REAL ADDRESS OF THE DATA SPACE ASTE CAUSING THE RECURSIVE FAULT.
2480	(9B0)	DBL WORD	8	LCCAPPS5	- PROGRAM FLIH RECURSION PSW SA 5
2488	(9B8)	BITSTRING	4	LCCAPIC5	- PROGRAM FLIH RECURSION ILC AND INTERRUPT CODE SAVE AREA 5
2492	(9BC)	SIGNED	4	LCCAPTE5 (0)	PROGRAM FLIH RECURSION TRANSLATION EXCEPTION ADDRESS SAVE AREA 5
2492	(9BC)	BITSTRING	3		- FIRST THREE BYTES OF ADDRESS
2495	(9BF)	BITSTRING	1	LCCAPSTL	- LAST BYTE OF LCCAPTE5 X '00' - PRIMARY STD USED X '01' - STD WAS AR QUALIFIED X '02' - SECONDARY STD USED X '03' - HOME STD USED.
2496	(9C0)	SIGNED	4	(0)	
2496	(9C0)	BITSTRING	8	LCCATTSC (0)	- Workunit Time Slice Interval Ownership: SRM Serialization: SRM Lock.

LCCA Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2496	(9C0)	SIGNED	4	LCCATTS1	- High Order 32 bits of LCCATTSC Ownership: SRM Serialization: SRM Lock.
2500	(9C4)	SIGNED	4	LCCATTS2	- Low Order 32 bits of LCCATTSC Ownership: SRM Serialization: SRM Lock.
2504	(9C8)	BITSTRING	8	LCCAWTSC (0)	- WAIT TASK TIME SLICE INTERVAL
2504	(9C8)	SIGNED	4	LCCAWTS1	- HIGH ORDER 32 BITS
2508	(9CC)	SIGNED	4	LCCAWTS2	- LOW ORDER 32 BITS
2512	(9D0)	SIGNED	4	LCCATP	- Workunit Preemption Count - number of workunit time slice expirations. Ownership: Supervisor Control. Serialization: Disablement on current processor.
2516	(9D4)	SIGNED	4	LCCATPU	- Unproductive Workunit Preemption Count - number of workunit time slice expirations that were not needed. Ownership: Supervisor Control Serialization: Disablement on current processor.
2520	(9D8)	SIGNED	4	LCCAWP	- WAIT PREEMPTION COUNT - NUMBER OF WAIT TASK TIME SLICE EXPIRATIONS
2524	(9DC)	SIGNED	4	LCCAWPU	- UNPRODUCTIVE WAIT PREEMPTION COUNT - NUMBER OF WAIT TASK TIME SLICE EXPIRATIONS THAT WERE NOT NEEDED
2528	(9E0)	SIGNED	4	LCCATPB	- Workunit Preemption Count Base - previous value of LCCATP Ownership: SRM Serialization: SRM Lock.
2532	(9E4)	SIGNED	4	LCCATPUB	- Unproductive Workunit Preemption Count Base - previous value of LCCATPU Ownership: SRM Serialization: SRM Lock.
2536	(9E8)	SIGNED	4	LCCAWPB	- WAIT PREEMPTION COUNT BASE - PREVIOUS VALUE OF LCCAWP
2540	(9EC)	SIGNED	4	LCCAWPUB	- UNPRODUCTIVE WAIT PREEMPTION COUNT BASE - PREVIOUS VALUE OF LCCAWPU
2544	(9F0)	SIGNED	2	LCCAOID	- Active ASID or Enclave ID when the workunit time slice expired
		1... ..		LCCAENID	"X'80" - LCCAOID is an Enclave ID.
2546	(9F2)	BITSTRING	1	LCCAMTSC	Maximum number of dispatches per task
		1... ..		LCCAFDSP	"X'80" Indicates first dispatch, this bit is always on and should not be included when using LCCAMTSC
		.111 1111		LCCAMTSC_MAX	"X'7F" Max LCCAMTSC
2547	(9F3)	BITSTRING	1	LCCACTSC	Number of consecutive dispatches remaining for this task
2548	(9F4)	ADDRESS	4	LCCAPPRI	- Priority of Active workunit when time slice expired SERIALIZATION: Disablement OWNERSHIP: Supervisor Control
2552	(9F8)	SIGNED	4	LCCACPTM	- THIS CPU'S COUNT DOWN TIMER This timer field is used to determine when a CPU should execute the need help determination logic. OWNERSHIP: SUPERVISOR SERIALIZATION: NONE
2556	(9FC)	ADDRESS	4	LCCACLSD	- The address of the LSSD for the currently executing SRB routine. Only valid when an SRB is executing.
2560	(A00)	DBL WORD	8	(0)	
2560	(A00)	ADDRESS	4	LCCAWUQA (17)	- Array of Work Unit Queues for this processor. SERIALIZATION: Disablement. Global Intersect is required to change an element in another processor's LCCAWUQA. TBD: Disablement requirement might not be needed. Dispatcher Active or Global Intersect is required. WUQA(0) is the CPU's primary WUQ. WUQA(1) is the CPU's specific help WUQ. WUQA(2-16) is the CPU's generic help WUQ. OWNERSHIP: Supervisor Control
		1... ..		LCCAWUQA_HONORPRIORITY	"X'80" For LCCAWUQA(0) only, when on indicates that this WUQ is to be scanned in parallel with the next one, looking for highest priority work
		1... ..		LCCAWUQA_IGNOREWUQ	"X'80" For LCCAWUQA(1) only, when on indicates that this WUQ is to be ignored during work search
2628	(A44)	ADDRESS	4	LCCAHPWUQ	- The address of the high priority WUQ
2632	(A48)	CHARACTER	1	LCCAWUQA_END	End of LCCAWUQA
				(0)	
				(0)	
2632	(A48)	DBL WORD	8	(0)	
2632	(A48)	DBL WORD	8	LCCAEND (0)	END OF LCCA.

LCCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LCCA	0			921	1
LCCA_BYLPAR_PROCCLASS_PREZOS21	378		LCCA_NHTM_AT_CPTM_UPDATE	288	
LCCA_CPU_ADDRESS_MASK	1A8	0	LCCA_PARTIALCPUMASK	1A8	0
LCCA_CPU_ADDRESS_MASK_OFFSET	280	0	LCCA_PARTIALCPUMASKOFFSET	280	0
LCCA_CPU_ADDRESS_MASK32	1A8	1A8	LCCA_PROCESSOR_WAITING	920	1
LCCA_CPU_AFFINITY_MASK	1A8	1A8	LCCA_RESCAN_LCCAWUQR	921	10
LCCA_CR0ESAVEAREA	3F0		LCCA_TIMERCR0ESAVEAREA	3F8	
LCCA_DIAG250	250	0	LCCA_TURN_OFF_CR0_AFPREGISTER	377	8
LCCA_DISPATCHER_ACTIVE					

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LCCA_WUQA_EQPRIRQMDP_TOD	3E8		LCCADSA2	1A0	
LCCAACR	21C	80	LCCADSA5	9AC	
LCCAALOV	618		LCCADSCAN	921	80
LCCAALTI	374		LCCADSE1	3C0	80
LCCAALTP	370		LCCADSE2	3C0	40
LCCAAOLD	298		LCCADSE3	3C0	20
LCCAAOLS	21F	8	LCCADSE4	3C0	10
LCCABBCC	266	0	LCCADSE5	3C0	8
LCCABBCT	200	0	LCCADSF1	21C	0
LCCABBRC	568	0	LCCADSF2	21D	0
LCCABEA1	1B0	0	LCCADSF3	99	0
LCCABEA2	1B8	0	LCCADSF4	282	0
LCCABEA3	1C0	0	LCCADSV1	228	
LCCABEA4	1C8	0	LCCADSV2	22C	
LCCABEA5	1D0	0	LCCADSV3	230	
LCCABFP	3C1	10	LCCADSV4	234	
LCCABFPH	3C1	1	LCCADSV5	238	
LCCABIND	21C	1	LCCADSV6	23C	
LCCABRCH	2B8	2	LCCADS0F	3C0	0
LCCABWTO	2B8	1	LCCADS0W	220	
LCCACAFM	6	0	LCCADS7E	21D	2
LCCACCRR	376	80	LCCAEE1R	240	
LCCACDSA	594	0	LCCAEE2R	244	
LCCACDSB	598	0	LCCAEE3R	248	
LCCACDSC	59C	0	LCCAELKP	470	0
LCCACDSD	5A0	0	LCCAEMS0	670	0
LCCACDSE	5A4	0	LCCAEND	A48	
LCCACDSF	5A8	0	LCCAENID	9F0	80
LCCACDSV	56C	0	LCCAERIS	20C	40
LCCACDS0	56C	0	LCCAESAV	294	
LCCACDS1	570	0	LCCAESC2	2B9	80
LCCACDS2	574	0	LCCAESC5SRBADDR		
LCCACDS3	578	0		284	
LCCACDS4	57C	0	LCCAESMR	2B8	10
LCCACDS5	580	0	LCCAESPN	20D	8
LCCACDS6	584	0	LCCAETP	368	0
LCCACDS7	588	0	LCCAETPB	36C	0
LCCACDS8	58C	0	LCCAETSC	21C	20
LCCACDS9	590	0	LCCAETR	21D	8
LCCACDXM	548	0	LCCAETS	21D	10
LCCACHAP	20D	40	LCCAEXSN	20C	1
LCCACLMS	2B4	40	LCCAFDSP	9F2	80
LCCACLSD	9FC	0	LCCAF LCS	265	0
LCCACPTM	9F8	0	LCCAF LGS	377	
LCCACPUA	4	0	LCCAF PFL	3C1	0
LCCACPUR	20D	20	LCCAF PWR	290	
LCCACPUS	218		LCCAF WP	354	
LCCACRDP	2B5	2	LCCAF WPC	358	0
LCCACREF	2B5	80	LCCAF WPP	354	0
LCCACREX	2B5	0	LCCAGRSI	1A5	80
LCCACRFL	2B4	0	LCCAHPWUQ	A44	
LCCACRIN	2B5	8	LCCAI DUR	3D4	
LCCACRLC	2AC	0	LCCAI DUV	3D0	
LCCACRLE	2B5	20	LCCAIEAVEDSRHASREQUEUEDSRBS		
LCCACRLM	2B5	4		377	10
LCCACRRM	2B5	40	LCCAIFAF	376	
LCCACRRT	2B5	10	LCCAIFAI	370	0
LCCACRST	2B5	1	LCCAIHRC	208	
LCCACRTM	2B4	80	LCCAIHR1	208	0
LCCACRYP	21F	80	LCCAIHR2	209	0
LCCACR0	9C	0	LCCAIHR3	20A	0
LCCACR8W	558	0	LCCAIHR4	20B	0
LCCACTSC	9F3	0	LCCAI INGR	1E0	0
LCCACVSR	2B8	4	LCCAI NT	20C	2
LCCACWEB	344		LCCAI OC3	560	0
LCCAC063	2B7	80	LCCAI OC4	564	0
LCCADACT	921	0	LCCAI OR1	2E4	0
LCCADBCT	224	0	LCCAI OR2	2E8	0
LCCADCPU	2A4		LCCAI OR3	2EC	0
LCCADIEP	96A	0	LCCAI OSL	1A4	20
LCCADPRMT	921	40	LCCAI OSS	55C	0
LCCADPRMT_MAJOR	921	20	LCCAI OSU	1A4	8
			LCCAI OWA	2E0	
			LCCAI OXM	55C	

LCCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LCCAIXSH	1A4	4	LCCAPSB2	61C	
LCCALCCA	0	D3C3C3C1	LCCAPSB5	924	0
LCCALCCX	28C		LCCAPSLI	700	0
LCCALCXR	290		LCCAPSMK	21E	0
LCCALKFG	2B6	0	LCCAPSTA	97	1
LCCALKRD	2B6	10	LCCAPSTD	97	0
LCCALOCK	20C	20	LCCAPSTH	97	3
LCCALSDP	624		LCCAPSTL	9BF	0
LCCALSHD	748		LCCAPSTP	97	0
LCCALSHP	74C		LCCAPSTS	97	2
LCCALSSD	620		LCCAPSW3	1D8	0
LCCALWTM	2C0	0	LCCAPTCB	540	
LCCAMCR0	204	0	LCCAPTE1	6BC	0
LCCAMPEN	204	10	LCCAPTE3	75C	0
LCCAMSF	20D	80	LCCAPTE5	9BC	
LCCAMTSC	9F2	0	LCCAPTR1	24C	0
LCCAMTSC_MAX	9F2	7F	LCCAPTR2	24D	0
LCCANHTM	2DC	0	LCCAPTR3	24E	0
LCCANWEB	348		LCCAPTR5	968	0
LCCAOID	9F0	0	LCCAPT2N	24D	F
LCCAOILC	922	0	LCCAPT22	24D	20
LCCAORMT	2D8		LCCAPT23	24D	10
LCCAPALP	37A		LCCAPVAD	94	
LCCAPARK	21D	40	LCCAPVXM	94	80
LCCAPAR1	760		LCCAPWAIT	920	0
LCCAPAR2	E0		LCCAPWDA	920	
LCCAPAR3	630		LCCAPWEB	220	
LCCAPAR4	7A0		LCCAPWSTS	920	80
LCCAPAR5	928		LCCAPWTCK	920	40
LCCAPASS	21F	20	LCCAPX1A	844	0
LCCAPCR1	820		LCCAPX1K	83C	0
LCCAPCR2	8A0		LCCAPX1P	846	0
LCCAPCR3	120		LCCAPX1S	83E	0
LCCAPC3S	8B8	0	LCCAPX2A	8C4	0
LCCAPC4S	8C0	0	LCCAPX2K	8BC	0
LCCAPDXC	97		LCCAPX2P	8C6	0
LCCAPEC1	6B8	6BA	LCCAPX2S	8BE	0
LCCAPEEC	92	0	LCCAPX3A	144	0
LCCAPER4	3C4		LCCAPX3K	13C	0
LCCAPER3	3C2	0	LCCAPX3P	146	0
LCCAPEX1	864	0	LCCAPX3S	13E	0
LCCAPEX2	8E4	0	LCCAP1AA	788	0
LCCAPEX3	164	0	LCCAP1AB	78C	0
LCCAPGA2	48		LCCAP1AC	790	0
LCCAPGMM	50A	0	LCCAP1AD	794	0
LCCAPGR1	8	0	LCCAP1AE	798	0
LCCAPGR2	48	0	LCCAP1AF	79C	0
LCCAPGR3	A0	0	LCCAP1A0	760	0
LCCAPGR4	6C0	0	LCCAP1A1	764	0
LCCAPGR5	96C	0	LCCAP1A2	768	0
LCCAPGTA	2D2	0	LCCAP1A3	76C	0
LCCAPICC	98	0	LCCAP1A4	770	0
LCCAPICD	93	0	LCCAP1A5	774	0
LCCAPIC1	6B8	0	LCCAP1A6	778	0
LCCAPIC3	758	0	LCCAP1A7	77C	0
LCCAPIC5	9B8	0	LCCAP1A8	780	0
LCCAPILC	91	0	LCCAP1A9	784	0
LCCAPINT	90		LCCAP1CA	870	0
LCCAPITX	92	2	LCCAP1CB	878	0
LCCAPMC	93	40	LCCAP1CC	880	0
LCCAPMFV	969	0	LCCAP1CD	888	0
LCCAPOST	5F0	0	LCCAP1CE	890	0
LCCAPPER	93	80	LCCAP1CF	898	0
LCCAPPND	21F	1	LCCAP1C0	820	0
LCCAPPRI	9F4		LCCAP1C1	828	0
LCCAPPR2	24F	0	LCCAP1C2	830	
LCCAPPSW	88	0	LCCAP1C2H	830	0
LCCAPPS1	6B0	0	LCCAP1C2L	834	0
LCCAPPS3	750	0	LCCAP1C3	838	
LCCAPPS5	9B0	0	LCCAP1C4	840	
LCCAPRMW	53C		LCCAP1C5	848	0
LCCAPROCCLASS_PREZOS21	378		LCCAP1C6	850	0
LCCAPRTN	544		LCCAP1C7	858	0
			LCCAP1C8	860	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LCCAP1C9	868	0	LCCAP3C7	158	0
LCCAP1XM	838		LCCAP3C8	160	
LCCAP2AA	108	0	LCCAP3C9	168	0
LCCAP2AB	10C	0	LCCAP3XM	138	
LCCAP2AC	110	0	LCCAP4AA	7C8	0
LCCAP2AD	114	0	LCCAP4AB	7CC	0
LCCAP2AE	118	0	LCCAP4AC	7D0	0
LCCAP2AF	11C	0	LCCAP4AD	7D4	0
LCCAP2A0	E0	0	LCCAP4AE	7D8	0
LCCAP2A1	E4	0	LCCAP4AF	7DC	0
LCCAP2A2	E8	0	LCCAP4A0	7A0	0
LCCAP2A3	EC	0	LCCAP4A1	7A4	0
LCCAP2A4	F0	0	LCCAP4A2	7A8	0
LCCAP2A5	F4	0	LCCAP4A3	7AC	0
LCCAP2A6	F8	0	LCCAP4A4	7B0	0
LCCAP2A7	FC	0	LCCAP4A5	7B4	0
LCCAP2A8	100	0	LCCAP4A6	7B8	0
LCCAP2A9	104	0	LCCAP4A7	7BC	0
LCCAP2CA	8F0	0	LCCAP4A8	7C0	0
LCCAP2CB	8F8	0	LCCAP4A9	7C4	0
LCCAP2CC	900	0	LCCAP5AA	950	0
LCCAP2CD	908	0	LCCAP5AB	954	0
LCCAP2CE	910	0	LCCAP5AC	958	0
LCCAP2CF	918		LCCAP5AD	95C	0
LCCAP2CFH	918	0	LCCAP5AE	960	0
LCCAP2CFL	91C	0	LCCAP5AF	964	0
LCCAP2C0	8A0	0	LCCAP5A0	928	0
LCCAP2C1	8A8		LCCAP5A1	92C	0
LCCAP2C1H	8A8	0	LCCAP5A2	930	0
LCCAP2C1L	8AC	0	LCCAP5A3	934	0
LCCAP2C2	8B0		LCCAP5A4	938	0
LCCAP2C2H	8B0	0	LCCAP5A5	93C	0
LCCAP2C2L	8B4	0	LCCAP5A6	940	0
LCCAP2C3	8B8		LCCAP5A7	944	0
LCCAP2C4	8C0		LCCAP5A8	948	0
LCCAP2C5	8C8		LCCAP5A9	94C	0
LCCAP2C5H	8C8	0	LCCARARA	808	0
LCCAP2C5L	8CC	0	LCCARARB	80C	0
LCCAP2C6	8D0	0	LCCARARC	810	0
LCCAP2C7	8D8		LCCARARD	814	0
LCCAP2C7H	8D8	0	LCCARARE	818	0
LCCAP2C7L	8DC	0	LCCARARF	81C	0
LCCAP2C8	8E0		LCCARARS	7E0	
LCCAP2C9	8E8	0	LCCARAR0	7E0	0
LCCAP2XM	8B8		LCCARAR1	7E4	0
LCCAP3AA	658	0	LCCARAR2	7E8	0
LCCAP3AB	65C	0	LCCARAR3	7EC	0
LCCAP3AC	660	0	LCCARAR4	7F0	0
LCCAP3AD	664	0	LCCARAR5	7F4	0
LCCAP3AE	668	0	LCCARAR6	7F8	0
LCCAP3AF	66C	0	LCCARAR7	7FC	0
LCCAP3A0	630	0	LCCARAR8	800	0
LCCAP3A1	634	0	LCCARAR9	804	0
LCCAP3A2	638	0	LCCARCPU	2A8	
LCCAP3A3	63C	0	LCCAREGS	1A4	1
LCCAP3A4	640	0	LCCARES1	50C	0
LCCAP3A5	644	0	LCCARES2	528	0
LCCAP3A6	648	0	LCCARIA	3C1	40
LCCAP3A7	64C	0	LCCARSGR	2F4	0
LCCAP3A8	650	0	LCCARSMC	50C	
LCCAP3A9	654	0	LCCARSMK	509	0
LCCAP3CA	170	0	LCCARSMML	1A4	40
LCCAP3CB	178	0	LCCARSTP	2B8	40
LCCAP3CC	180	0	LCCARSTR	20C	8
LCCAP3CD	188	0	LCCARSWS	224	80
LCCAP3CE	190	0	LCCARWEB	5EC	
LCCAP3CF	198	0	LCCARWLK	5EC	80
LCCAP3C0	120	0	LCCARWQL	37C	
LCCAP3C1	128	0	LCCAR2B0	2B0	0
LCCAP3C2	130	0	LCCAR2F0	2F0	0
LCCAP3C3	138		LCCAR283	283	
LCCAP3C4	140		LCCAR34C	34C	0
LCCAP3C5	148	0	LCCAR378	378	
LCCAP3C6	150	0	LCCAR400	400	0

LCCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LCCASAFN	2D0	0	LCCATPU	9D4	0
LCCASCFL	21F	0	LCCATPUB	9E4	0
LCCASCSPA	4C0	0	LCCATRAC	1A4	80
LCCASCW1	3D8		LCCATSMC	21C	8
LCCASCW2	3DC		LCCATSPN	20C	10
LCCASCW3	3E0		LCCATTSC	9C0	
LCCASCW4	3E4		LCCATTS1	9C0	0
LCCASDUR	3CC		LCCATTS2	9C4	0
LCCASDUV	3C8		LCCATVS	21D	4
LCCASGPR	380	0	LCCATVSE	21F	10
LCCASHRL	1A4		LCCATVS2	21D	1
LCCASHRL_0	1A4	0	LCCATVS3	21F	2
LCCASHRL_1	1A5	0	LCCAVARY	2B4	1
LCCASHRL_2	1A6	0	LCCAVCPU	99	80
LCCASHRL_3	1A7	0	LCCAVTOD	2B8	20
LCCASIGS	20C	80	LCCAWDT	334	0
LCCASLEB	2B8		LCCAWFCT	202	0
LCCASLE1	2B8	0	LCCAWFL2	2F3	
LCCASLE2	2B9	0	LCCAWLMQ	1A4	2
LCCASLIP	2BC		LCCAWLOF	265	80
LCCASLSA	5AC	0	LCCAWP	9D8	0
LCCASMQJ	360	0	LCCAWPB	9E8	0
LCCASMSK	508	0	LCCAWPU	9DC	0
LCCASOPI	97	4	LCCAWPUB	9EC	0
LCCASPECIALEXITRESTART			LCCAWS	260	0
	282	80	LCCAWS	258	0
LCCASPECIALEXITWTI			LCCAWSU	25C	0
	21C	40	LCCAWTD	254	0
LCCASPIN	20C		LCCAWTIM	268	0
LCCASPLJ	364	0	LCCAWTSC	9C8	
LCCASPN1	20C	0	LCCAWTS1	9C8	0
LCCASPN2	20D	0	LCCAWTS2	9CC	0
LCCASPN3	20E	0	LCCAWUQA	A00	
LCCASPN4	20F	0	LCCAWUQA_END	A48	
LCCASPSW	534	0	LCCAWUQA_HONORPRIORITY		
LCCASRBC	554		A00	80	
LCCASRBF	2D0		LCCAWUQA_IGNOREWUQ		
LCCASRBISGLOBAL			A00	80	
	377	20	LCCAWUQDEGRRAN		
LCCASRBJ	2A0	0		9A	0
LCCASRBM	21D	80	LCCAWUQHASCHANGED		
LCCASREG	4D4	0		377	40
LCCASRGS	538	0	LCCAWUQI	372	0
LCCASRME	1A5	40	LCCAWUQM	350	
LCCASRSA	35C	0	LCCAWUQR	34E	0
LCCASSA2	2C8		LCCAWUQW	370	
LCCASSA5	2CC		LCCAXCFQ	1A4	10
LCCASSRB	21D	20	LCCAXLS	2B9	40
LCCASSTA	2D8	40	LCCAXMFA	2B8	8
LCCASSTD	2D8	80	LCCAXRC1	208	80
LCCASSTE	2D8	20	LCCAXRC2	208	40
LCCASTAS	20D	10	LCCAXTIM	628	0
LCCASTCP	2B8	80	LCCAZ1	377	4
LCCASTCT	264	0	LCCAZ2	3C1	8
LCCASTFL	2B7	0			
LCCASTG1	478	0			
LCCASTST	20D	4			
LCCASVC6	21C	4			
LCCASXLS	20D	2			
LCCASXMR	270	0			
LCCATCAC	50B	40			
LCCATCBC	550				
LCCATCFB	50B	0			
LCCATCTL	50B	80			
LCCATCT2	21C	2			
LCCATDIE	377	80			
LCCATEE	3C1	20			
LCCATIMR	21C	10			
LCCATODH	210	0			
LCCATODL	214	0			
LCCATOLD	29C				
LCCATOLS	21F	4			
LCCATP	9D0	0			
LCCATPB	9E0	0			

LCCAVT Information

LCCAVT Programming Interface information

Programming Interface information

LCCAVT

End of Programming Interface information

LCCAVT Heading Information • LCCAVT Cross Reference

LCCAVT Heading Information

Common Name: Logical Configuration Communication Area Vector Table
Macro ID: IHALCCAT
DSECT Name: LCCAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: LCCAVT
 Offset: ????????
 Length: ????????
Storage Attributes: Subpool: 245
 Key: 0
Size: CVTMAXMP+1 LCCAT00P Entries
Created by: IEAVNIPO
Pointed to by: CVTLCCAT field of the CVT data area
Serialization: None
Function: Contains address of LCCA for each processor.

LCCAVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LCCAVT	
0	(0)	ADDRESS	4	LCCAT00P	- ADDRESS OF LCCA FOR CPU 0. There are CVTMAXMP+1 entries. Do not reference entries beyond CVTMAXMP+1.
4	(4)	ADDRESS	4	LCCAT01P	- ADDRESS OF LCCA FOR CPU 1
8	(8)	ADDRESS	4	LCCAT02P	- ADDRESS OF LCCA FOR CPU 2
12	(C)	ADDRESS	4	LCCAT03P	- ADDRESS OF LCCA FOR CPU 3
16	(10)	ADDRESS	4	LCCAT04P	- ADDRESS OF LCCA FOR CPU 4
20	(14)	ADDRESS	4	LCCAT05P	- ADDRESS OF LCCA FOR CPU 5
24	(18)	ADDRESS	4	LCCAT06P	- ADDRESS OF LCCA FOR CPU 6
28	(1C)	ADDRESS	4	LCCAT07P	- ADDRESS OF LCCA FOR CPU 7
32	(20)	ADDRESS	4	LCCAT08P	- ADDRESS OF LCCA FOR CPU 8
36	(24)	ADDRESS	4	LCCAT09P	- ADDRESS OF LCCA FOR CPU 9
40	(28)	ADDRESS	4	LCCAT10P	- ADDRESS OF LCCA FOR CPU 10
44	(2C)	ADDRESS	4	LCCAT11P	- ADDRESS OF LCCA FOR CPU 11
48	(30)	ADDRESS	4	LCCAT12P	- ADDRESS OF LCCA FOR CPU 12
52	(34)	ADDRESS	4	LCCAT13P	- ADDRESS OF LCCA FOR CPU 13
56	(38)	ADDRESS	4	LCCAT14P	- ADDRESS OF LCCA FOR CPU 14
60	(3C)	ADDRESS	4	LCCAT15P	- ADDRESS OF LCCA FOR CPU 15
64	(40)	ADDRESS	4	LCCAT16_31P (16)	- Addresses OF LCCAs for CPUs 16-31
128	(80)	ADDRESS	4	LCCAT31_63P (32)	- Addresses OF LCCAs for CPUs 32-63
256	(100)	ADDRESS	4	LCCAT64_127P (64)	- Addresses OF LCCAs for CPUS 64-127
512	(200)	DBL WORD	8	LCCATEND (0)	- END OF LCCAT. There are CVTMAXMP+1 entries. Do not reference entries beyond CVTMAXMP+1

LCCAVT Cross Reference

Name	Hex Offset	Hex Value
LCCATEND	200	
LCCAT00P	0	
LCCAT01P	4	
LCCAT02P	8	
LCCAT03P	C	
LCCAT04P	10	
LCCAT05P	14	
LCCAT06P	18	
LCCAT07P	1C	
LCCAT08P	20	
LCCAT09P	24	
LCCAT10P	28	
LCCAT11P	2C	
LCCAT12P	30	
LCCAT13P	34	
LCCAT14P	38	
LCCAT15P	3C	
LCCAT16_31P	40	
LCCAT31_63P	80	
LCCAT64_127P	100	
LCCAVT	0	

LCT Information

LCT Heading Information

Common Name: Linkage Control Table
Macro ID: IEFALLCT
DSECT Name: None provided
Owning Component: Initiator (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236, 237, or 241, as indicated by the JSCBSWSP field of the JSCB pointed to by the jobstep TCB
 Key: Key 1
 Residency: Below 16 MB in virtual storage
Size: 512 bytes
Created by: IEFSD160
Pointed to by: SSJSLCT field of the SSJS data area
Serialization: Overall there is no serialization of the LCT, it is expected to be addressable by 1 task at a time.
Function: Communications area used by the initiator routines.

LCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	4	LCTQDRTY	- POINTER TO JOB CSCB Y02652
Comment					
LCTSRTAD HAS BEEN DELETED IT CAN BE OBTAINED FROM CVTDCQ					
End of Comment					
4	(4)	ADDRESS	4	LCTSAVEA	ADDRESS OF THE IEFSD161 SAVE AREA USED FOR CALLS TO IEFSD101, AND IEFSD164
8	(8)	CHARACTER	4	LCTTCBAD	- CURRENT TCB ADDRESS Y02652
12	(C)	CHARACTER	4	LCTQENTY	-
		1... ..		LCTTIMAB	"X'80" - BIT 0 - TIMER ABEND HAS OCCURRED. BIT 1 OF HIGH ORDER BYTE USED IN CONJUNCTION WITH 'NOSEP'. BIT 2 - DEVICE WAIT RECOVERY BIT 3 - SPACE WAIT RECOVERY
		.... 1..		LCTTIMNG	"X'08" - BIT 4 - ERROR HAS OCCURED DURING INITIATOR TIMING CALCULATIONS
		.... .1..		LCTTIMDN	"X'04" - Bit 5 - indicates to IEFIB621 that IEFSD263 completed the timing calculations.
		.... ..1.		LCTNOTIM	"X'02" Do not time this step, since TIME=1440 was specified.
12	(C)	X'1'	0	LCTERRM	"1" - BIT 7 - JOB TERMINATION STATUS THREE LOW ORDER BYTES CONTAIN THE ADDRESS OF THE REGISTER SAVE AREA OF LINKER
16	(10)	CHARACTER	4	LCTJCTAD	- JCT STORAGE ADDRESS OR 0
20	(14)	CHARACTER	4	LCTSCTAD	- SCT STORAGE ADDRESS OR 0 Y02669
20	(14)	X'18'	0	LCTWORKA	*** - MINSYS 3 TEMP INSERT
24	(18)	SIGNED	4	LCTSCTDA (0)	- SCT SWA ADDRESS Y02669
24	(18)	CHARACTER	3	LCTSCTVA	- SCT SWA VIRTUAL ADDRESS Y02669
27	(1B)	CHARACTER	1		- RESERVED
Comment					
LCTPSPAR HAS BEEN DELETED USE CVTQMWR					
End of Comment					
28	(1C)	CHARACTER	4	LCTSCHNM	- SCHEDULER NAME
32	(20)	CHARACTER	1	LCTERR (0)	- LCTERR bits initialized by Batch Allocation Y02670
		1... ..		LCTJFAIL	"X'80" - IF ON, JOB FAILED Y02670
		.1..		LCTSALCD	"X'40" - IF ON, AT LEAST ONE STEP WAS ALLOCATED Y02670
		..1.		LCTPALCD	"X'20" - IF ON, THIS STEP PARTIALLY ALLOCATED Y02670
		...1		LCTSFAIL	"X'10" - IF ON, STEP BYPASSED Y02670
		.... 1..		LCTACOMP	"X'08" - IF ON ALLOCATION HAS YM07219 BEEN COMPLETED BUT YM07219 UNALLOCATION IS YET TO YM07219 RUN. USED TO TEST FOR YM07219 RETRY IN THE INIT ESTAE YM07219
		.... .1..		LCTJCFAL	"X'04" - ON IF JOB FAILED BECAUSE OF COND CODES

LCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
EQU X'02' - Reserved - was LCTVTERM					
					End of Comment
		.... ...1		LCTCANCL	"X'01" - On if a CANCEL command is being processed
32	(20)	CHARACTER	4	LCTERROR	- ERROR CODE
36	(24)	CHARACTER	4	LCTPARM1	- MULTI USE PARAMETER FIELD
40	(28)	CHARACTER	4	LCTPARM2	- MULTI USE PARAMETER FIELD
44	(2C)	CHARACTER	4	LCTPARM3	- MULTI USE PARAMETER FIELD
48	(30)	CHARACTER	4	LCTPARM4	- MULTI USE PARAMETER FIELD
52	(34)	CHARACTER	16		Reserved area 22
68	(44)	SIGNED	4	LCTCOMCD (0)	- WARMSTART ABEND CODE Y02641
68	(44)	SIGNED	2	LCTCOMD1	- WARMSTART COMP. CODE Y02641
70	(46)	SIGNED	2	LCTCOMD2	- WARMSTART COMP. CODE Y02641
72	(48)	SIGNED	4		- Reserved 2
76	(4C)	CHARACTER	1	LCTINTSW	- INITIATOR INTERNAL SWITCHES
76	(4C)	X'80'	0	LCTINPPT	"128" - PGM. NAME IS IN PPT Y02656
76	(4C)	X'40'	0	LCTPRIV	"64" - PROGRAM IS PRIVILEGED Y02655
76	(4C)	X'20'	0	LCTPPAA	"32" - ISSUE MESSAGE FOR PROBLEM PROG. ATTRIBUTES ASSIGNED Y02655
76	(4C)	X'8'	0	LCTSTART	"8" - TASK NAME NOT FOUND ON COMMAND
76	(4C)	X'4'	0	LCTSTOP	"4" - INIT INTERNAL STOP
76	(4C)	X'2'	0	LCTABEND	"2" - EXECUTED PGM ABENDED
					Comment
EQU 1 - Reserved					
					End of Comment
77	(4D)	CHARACTER	1	LCTPUBYT	- PREFERRED USAGE FLAGS
		1...		LCT2LPU	"X'80" - 2ND LEVEL PREFERRED
		.1.		LCT1LPU	"X'40" - 1ST LEVEL PREFERRED
		.1.		LCTN2LP	"X'20" - NOT 2ND LEVEL PREFERRED
		...1		LCTNSWP	"X'10" - NON-SWAPPABLE
78	(4E)	CHARACTER	2		- RESERVED
80	(50)	SIGNED	4	LCTTMWRK (4)	- TIMER WORK AREA Y02669
80	(50)	SIGNED	4	LCTTJTU4 (0)	- TOTAL JOB TIME USED Y02669
80	(50)	CHARACTER	1		- RESERVED Y02669
81	(51)	SIGNED	3	LCTTJTU3	- TOTAL JOB TIME USED Y02669
84	(54)	SIGNED	4	LCTTSTL4 (0)	- STEP TIME LIMIT Y02669
84	(54)	CHARACTER	1		- RESERVED Y02669
85	(55)	SIGNED	3	LCTTSTL3	- STEP TIME LIMIT Y02669
88	(58)	SIGNED	4	LCTTSTR4 (0)	- STEP TIME REMAINING Y02669
88	(58)	CHARACTER	1		- RESERVED
89	(59)	SIGNED	3	LCTTSTR3	- STEP TIME REMAINING Y02669
92	(5C)	SIGNED	4	LCTTSTU4 (0)	- STEP TIME USED Y02669
92	(5C)	CHARACTER	1		- RESERVED Y02669
93	(5D)	SIGNED	3	LCTTSTU3	- STEP TIME USED Y02669 2
96	(60)	SIGNED	4	LCTJOBIB	- Address of DCB for JOBLIB, STEPLIB or PARMD Dname
100	(64)	SIGNED	4	LCTATLST	- ADDRESS OF ALLOCATE-TERMINATE PARAMETER LISTS
104	(68)	SIGNED	4	REGSAVE (36)	- A/T REG SAVE AREA REGISTER SAVEAREA
248	(F8)	SIGNED	4	QMGR1 (9)	- QMPA FOR SWA
284	(11C)	SIGNED	4	LCTSMFLG	- FOR SMF USE AT JOB TERM
288	(120)	CHARACTER	8	LCTTR120	- Reserved, had been for LCTVFWRK LCTTVFAT,LCTTVFUT LCC
296	(128)	ADDRESS	4	LCTSCTXB	- SCTX BLOCK ADDRESS
300	(12C)	ADDRESS	4	LCTACEE	- ADDR OF RACF ACEE
304	(130)	SIGNED	4	LCTPR SCT	- Pointer to prior SCT
308	(134)	ADDRESS	4	LCTGTWRK	- POINTER TO THE GETWORK ROUTINE LOADED BY IEFSD160
312	(138)	ADDRESS	4	LCTRTWRK	- POINTER TO THE NETWORK ROUTINE LOADED BY IEFSD160
316	(13C)	SIGNED	4	LCTFPNT	- PTR TO INITIATOR FOOTPRINT
320	(140)	SIGNED	4	LCTASCBA	- POINTER TO CURRENT ASCB Y02669
324	(144)	ADDRESS	4	LCTJMRAD	- JMR ADDRESS
328	(148)	SIGNED	4	LCTECBAD	- ECB LIST ADDRESS
328	(148)	X'148'	0	ECBLIST	"LCTECBAD" - WITH LCTECBAD
332	(14C)	CHARACTER	8		Reserved 6
340	(154)	CHARACTER	8	LCTCLASS	- 8 CHARACTER JOB CLASS
348	(15C)	SIGNED	4	LCTTSRB4 (0)	- STEP SRB TIME USED Y02669
348	(15C)	CHARACTER	1		- RESERVED Y02669
349	(15D)	SIGNED	3	LCTTSRB3	- STEP SRB TIME USED Y02669

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
THESE FIELDS ARE NEEDED FOR L-SHAPE/INIT MERGE					
					End of Comment
352	(160)	SIGNED	4	LCTENTR (0)	- INIT ENTRANCE LIST ADDR
352	(160)	X'160'	0	LCTEXIT	"LCTENTR" - INIT EXIT LIST ADDR
352	(160)	CHARACTER	1		- Reserved for IEL
353	(161)	ADDRESS	3	LCTIELP	- ADDRESS OF IEL
356	(164)	CHARACTER	1	LCTOPSW2	- INIT OPTIONS BYTE 2 BITS 5, 6 UNUSED
356	(164)	X'80'	0	LCTTIMEF	"128" - DO NOT TIME THIS
356	(164)	X'40'	0	LCTCRF	"64" - DISALLOW CKPT/RESTART
356	(164)	X'20'	0	LCTCKRST	"32" - THIS BIT IS SET BY IEFXB609 TO INFORM IEFSD101 TO INSERT PROGRAM NAME IEFSTRST IN SCT AFTER PPT PROCESSING
356	(164)	X'8'	0	LCTINRES	"8" - Initiator is automatically restarted after termination
356	(164)	X'4'	0	LCTBPRAC	"4" - BYPASS RACINIT
356	(164)	X'2'	0	LCTNORC	"2" - BYPASS ALLOC. RECOVERY Y02652
356	(164)	X'1'	0	LCTENQU	"1" - DO NOT WAIT FOR DATA SETS
357	(165)	CHARACTER	1	LCTOPSW3	- INIT OPTION BYTE 3 2
357	(165)	X'20'	0	LCTNSYS	"32" - DO NOT ASSIGN SPECIAL PROPERTIES
357	(165)	X'4'	0	LCTALERR	"4" - ALLOC ERROR EXISTED
357	(165)	X'1'	0	LCTJESCE	"1" - On if JES had a Catastrophic Error during a Transaction select or Transaction terminate call
358	(166)	BITSTRING	1	LCTTMBYT	- Flag Byte - all bits used
		1...		LCTTIFJ	"X'80" - TIME IS LIMIT FOR JOB
359	(167)	CHARACTER	1	LCTOPSW1	- INIT OPTION BYTE 1
359	(167)	X'80'	0	LCTDPSWA	"128" - DO NOT SET 'DO NOT SHARE SWA' ON ATTACH Y02621 2
359	(167)	X'8'	0	LCTCANF	"8" - ALLOW CANCEL ONLY AT ALLOC
359	(167)	X'4'	0	LCTONEJF	"4" - STARTED TASK INDICATOR
359	(167)	X'2'	0	LCTTSO	"2" - TSO log on indicator Set by: IEFIB600 Read by: IEFSD263
360	(168)	SIGNED	4	LCTJSCB (0)	- ADDRESS OF JSCB
360	(168)	CHARACTER	1		- RESERVED AS PART OF JSCB ADDRESS
361	(169)	ADDRESS	3	LCTJSCBP	- ADDRESS OF JSCB 24 BIT
364	(16C)	SIGNED	4	LCTDATA1	- MULTI-USE DATA FIELD
368	(170)	SIGNED	4	LCTDATA2	- MULTI-USE DATA FIELD
372	(174)	CHARACTER	1	LCTDATA3	- MULTI-USE DATA FIELD
373	(175)	CHARACTER	1	LCTDATA4	- MULTI-USE DATA FIELD
374	(176)	CHARACTER	1	(2)	- RESERVED
376	(178)	SIGNED	4	LCTPARAM	Address of the termination parameter list
380	(17C)	SIGNED	4	(3)	RESERVED 4
392	(188)	ADDRESS	4	LCTJCTXB	- JCTX SWA BLOCK ADDRESS
396	(18C)	SIGNED	4	LCTSYSPL	- ADDRESS OF SYSEVENT PARAMETER LIST
400	(190)	SIGNED	4	LCTSTEPL	- POINTER TO STAE EXIT PARAMETER LIST FOR INITIATOR Y02653
404	(194)	SIGNED	4	LCTSSOBA	- SSOB FOR THIS TASK Y02668
408	(198)	SIGNED	4	LCTJCTDA (0)	- JCT SWA ADDRESS Y02652
408	(198)	CHARACTER	3	LCTJCTVA	- JCT SWA VIRTUAL ADDRESS Y02652
411	(19B)	CHARACTER	1		- RESERVED Y02652
412	(19C)	SIGNED	4	LCTTIOTI	- INIT TIOT TTR
416	(1A0)	CHARACTER	2		Reserved 17
418	(1A2)	CHARACTER	1	LCTRFB	- RESTART FUNCTION SWITCHES BIT 7 UNUSED
418	(1A2)	X'80'	0	LCTRFBSM	"128" - CALL IEFXB601
418	(1A2)	X'40'	0	LCTRFBCR	"64" - AUTOMATIC CHKPT. RESTART Y02641
418	(1A2)	X'20'	0	LCTRFBRV	"32" - SPECIAL INTERP PROCESSING DURING WARM START
418	(1A2)	X'10'	0	LCTRFBDC	"16" - DEFERRED CKPNT/RESTART
418	(1A2)	X'8'	0	LCTRFBMS	"8" - DO NOT MODIFY JSB FIELDS
418	(1A2)	X'4'	0	LCTRFBEF	"4" - MERGE TO EOF OF JOURNAL
418	(1A2)	X'2'	0	LCTRFBRP	"2" - CALL IEFPREP
418	(1A2)	X'1'	0	LCTRFBND	"1" - NON-DEFERRED RESTART BIT FOR USE BY SMF EXCLUSIVELY. SET IN RESTART INTERFACE AND TURNED OFF DURING JOB TERMINATION
419	(1A3)	CHARACTER	1	LCTRFB1	- RESERVED FOR WARMSTART/RESTART
419	(1A3)	X'80'	0	LCTRSTST	"128" - FIRST STEP OF RESTART
420	(1A4)	CHARACTER	1	LCTTSIZ	- TO INFORM ALLOCATION OF SIZE OF MASTER SCHED. TIOT Y02670
421	(1A5)	BITSTRING	1	LCTINTS2	- INTERNAL SWITCHES, BYTE 2 Y02652
					Comment
IT WILL BE CLEARED FOR EVERY STEP BY IEFSD101 Y02652					
					End of Comment
		1...		LCTSYS	"X'80" SYSTEM TASK REQUESTED Y02652
		.1.		LCTBPPAS	"X'40" BYPASS PASSWD PROTECT.
		..1.		LCTTSWPC	"X'20" TRANSWAP COMPLETED

LCT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		LCTATTC	"X'10" INITATT HAS BEEN ISSUED (RESET AT INITDET TIME)
		.... 1...		LCTJSRGN	"X'08" A REGION HAS BEEN OBTAINED FOR THE JOB STEP
		.... .1..		LCTSPREM	"X'04" SPECIAL PROPERTIES ASSIGNED BUT THEN REMOVED BECAUSE JOBLIB/STEPLIB NOT AUTH
422	(1A6)	CHARACTER	1	(2)	- RESERVED Y02652
424	(1A8)	SIGNED	4	LCTTIOTP	- ADDR OF TIOT STOR. FOR JOB
428	(1AC)	SIGNED	4		- Reserved area
432	(1B0)	SIGNED	4		- Reserved area
436	(1B4)	SIGNED	4	LCTDSABQ	- ADDRESS OF DSAB QDB STORAGE FOR THE JOB
440	(1B8)	CHARACTER	64	LCTIWORK	- TEMPORARY WORK AREA, TO BE USED ONLY BY THE INITIATOR
504	(1F8)	CHARACTER	8	LCTLABEL	TO HELP IDENTIFY THE LCT IN A STORAGE DUMP
504	(1F8)	X'200'	0	IEFEND	*** - END OF LCT

LCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ECBLIST	148	148	LCTNSYS	165	20
IEFEND	1F8	200	LCTN2LP	4D	20
LCTABEND	4C	2	LCTONEJF	167	4
LCTACEE	12C		LCTOPSW1	167	
LCTACOMP	20	8	LCTOPSW2	164	
LCTALERR	165	4	LCTOPSW3	165	
LCTASCBA	140		LCTPALCD	20	20
LCTATLST	64		LCTPARAM	178	
LCTATTC	1A5	10	LCTPARAM1	24	
LCTBPPAS	1A5	40	LCTPARAM2	28	
LCTBPRAC	164	4	LCTPARAM3	2C	
LCTCANCL	20	1	LCTPARAM4	30	
LCTCANF	167	8	LCTPPAA	4C	20
LCTCKRST	164	20	LCTPRIV	4C	40
LCTCLASS	154		LCTPRSCT	130	
LCTCOMCD	44		LCTPUBYT	4D	
LCTCOMD1	44		LCTQDRTY	0	
LCTCOMD2	46		LCTQENTY	C	
LCTCRF	164	40	LCTRFB	1A2	
LCTDATA1	16C		LCTRFBCR	1A2	40
LCTDATA2	170		LCTRFBCD	1A2	10
LCTDATA3	174		LCTRFBEF	1A2	4
LCTDATA4	175		LCTRFBMS	1A2	8
LCTDPSWA	167	80	LCTRFBND	1A2	1
LCTDSABQ	1B4		LCTRFBRP	1A2	2
LCTECBAD	148		LCTRFBRV	1A2	20
LCTENQU	164	1	LCTRFBSM	1A2	80
LCTENTR	160		LCTRFB1	1A3	
LCTERR	20		LCTRSTST	1A3	80
LCTERRM	C	1	LCTRTWRK	138	
LCTERROR	20		LCTSALCD	20	40
LCTEXIT	160	160	LCTSAVEA	4	
LCTFPNT	13C		LCTSCHNM	1C	
LCTGTWRK	134		LCTSCTAD	14	
LCTIELP	161		LCTSCTDA	18	
LCTINPPT	4C	80	LCTSCTVA	18	
LCTINRES	164	8	LCTSCTXB	128	
LCTINTSW	4C		LCTSFAIL	20	10
LCTINTS2	1A5		LCTSMFLG	11C	
LCTIWORK	1B8		LCTSPREM	1A5	4
LCTJCFAL	20	4	LCTSSOBA	194	
LCTJCTAD	10		LCTSTART	4C	8
LCTJCTDA	198		LCTSTEPL	190	
LCTJCTVA	198		LCTSTOP	4C	4
LCTJCTXB	188		LCTSYS	1A5	80
LCTJESCE	165	1	LCTSYSPL	18C	
LCTJFAIL	20	80	LCTTCBAD	8	
LCTJMRAD	144		LCTTIFJ	166	80
LCTJOBFB	60		LCTTIMAB	C	80
LCTJSCB	168		LCTTIMDN	C	4
LCTJSCBP	169		LCTTIMEF	164	80
LCTJSRGN	1A5	8	LCTTIMNG	C	8
LCTLABEL	1F8		LCTTIOTI	19C	
LCTNORC	164	2	LCTTIOTP	1A8	
LCTNOTIM	C	2	LCTTJTU3	51	
LCTNSWP	4D	10	LCTTJTU4	50	

Name	Hex Offset	Hex Value
LCTTMBYT	166	
LCTTMWRK	50	
LCTTR120	120	
LCTTSIZ	1A4	
LCTTSO	167	2
LCTTSRB3	15D	
LCTTSRB4	15C	
LCTTSTL3	55	
LCTTSTL4	54	
LCTTSTR3	59	
LCTTSTR4	58	
LCTTSTU3	5D	
LCTTSTU4	5C	
LCTTSWPC	1A5	20
LCTWORKA	14	18
LCT1LPU	4D	40
LCT2LPU	4D	80
QMGR1	F8	
REGSAVE	68	

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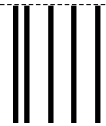


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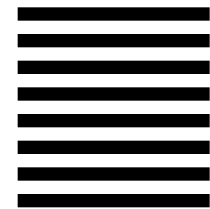
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