

**z/OS V2R1
MVS Data Areas
Volume 1 (ABEP - DCQ)**

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z/OS V2R1



MVS Data Areas Volume 1 (ABEP - DCQ)

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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 835.

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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.

ABEP Information

ABEP Programming Interface Information

Programming Interface Information

ABEP

End of Programming Interface Information

Heading Information • ABEP Cross Reference

ABEP Heading Information

Common Name: ABDUMP Exit Parameter List
Macro ID: IHAABEPL
DSECT Name: IHAABEPL
Owning Component: ABDUMP (SCDMP)
Eye-Catcher ID: ABEP
Offset: Offset 0 and length 4
Subpool and Key: Subpool 253 and key 0 (Residence - above 16M line)
Size: 36 bytes
Created by: IEAVTABD (ABDUMP)
Pointed to by: Register 1 on entry to pre-dump exit.
Serialization: None
Function: This macro is the mapping for the predump exit parameter list of ABDUMP predump exits. It can be used to determine the abending jobname, module name, abend code, effective dump options. This information will aid in determining if the dump options should be changed or left as they are, or if the dump should be suppressed.

ABEP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IHAABEPL	G860P33
0	(0)	CHARACTER	4	ABEPID	PARMLIST ID G860P33
4	(4)	CHARACTER	8	ABEPJOBN	JOB NAME G860P33
12	(C)	CHARACTER	4	ABEPABND (0)	G860P33
12	(C)	CHARACTER	3	ABEPABC	ABEND CODE G860P33
15	(F)	CHARACTER	1	ABEPRES	RESERVED G860P33
16	(10)	SIGNED	4	ABEPSDWA	ADDRESS OF SDWA G860P33
20	(14)	CHARACTER	8	ABEPMODN	MODULE NAME G860P33
28	(1C)	SIGNED	4	ABEPSNAP	ADDRESS OF SNAP PARMLIST G860P33
32	(20)	SIGNED	4	ABEPLVRC (0)	G860P33
32	(20)	SIGNED	2	ABEPLVL	LEVEL INDICATOR G860P33
34	(22)	SIGNED	2	ABEPRTN	RETURN CODE FROM PREVIOUS INDICATOR G860P33

ABEP Cross Reference

Name	Hex Offset	Hex Value
ABEPABC	C	
ABEPABND	C	
ABEPID	0	
ABEPJOBN	4	
ABEPLVL	20	
ABEPLVRC	20	
ABEPMODN	14	
ABEPRES	F	
ABEPRTN	22	
ABEPSDWA	10	
ABEPSNAP	1C	
IHAABEPL	0	

ACA Information

ACA Heading Information

Common Name: Auxiliary Storage Management Control Area
Macro ID: ILRACA
DSECT Name: ACA
Owning Component: Aux Storage Manager (SC1CW)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: YES
 Subpool: Nucleus or 236 or 237
 Key: 0
Size: 28 Bytes
Created by: User (RSM or VBP)
Pointed to by: Register 1 on entry to ASM
Serialization: None
Function: The ACA is initialized as the result of ASM function operators in anticipation of the input/output requests for pages of the logical group that is being established.

ACA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	ACA	ASM Control Area
0	(0)	UNSIGNED	1	ACAOP	Operation flag field. This field is set by the ILRCALL macro. Transfer page decimal '04', Assign LGN decimal '08', Release LG decimal '12', Save LG/LGN decimal '16', Activate LG decimal '20', XM assign LG decimal '24'
1	(1)	BITSTRING	1	ACAFLG1	Flag field
		1..		ACANOGTM	No getmains allowed
		.1..		ACARSV5	Reserved
		..1.		ACARSV7	Reserved
		...1		ACARSV8	Reserved
		.... 1...		ACAFSYM	If on, indicates storage locator symbol ('S' symbol) identifies the logical group being released, in ACASYM. If off, an LGN is provided in ACALGN.
		.... .1..		ACAI OER	ACA I/O error - TRPAG
		.... ..1.		ACAVRCT	Vio in Real Cache Transfer
		.... ...1		ACATRLH	Indicate that the ASM locks are held for this transfer page request
2	(2)	SIGNED	2	ACAASID	ASID of the memory associated with the logical group
4	(4)	CHARACTER	4	ACARSV4	Reserved
8	(8)	CHARACTER	8	ACALGN	Logical group number
8	(8)	CHARACTER	8	ACALPID	LPID of page
8	(8)	SIGNED	4	ACALGID	Logical group ID
8	(8)	SIGNED	4	ACAVRCK	Vio Real Cache Token
8	(8)	CHARACTER	4	ACAFLSID	Source LSID for page
12	(C)	UNSIGNED	4	ACARPN	Relative page number
12	(C)	ADDRESS	4	ACAAIAP	AIA address for special use when the ACA is for transfer page request.
16	(10)	CHARACTER	8	ACASYM	Locator symbol of group
16	(10)	CHARACTER	8	ACATOLP	Target LPID associated with the target page
16	(10)	SIGNED	4	ACATOLGI	Logical group ID
16	(10)	SIGNED	4	ACAMAXPN	Largest relative page number to be allowed for the group
20	(14)	UNSIGNED	4	ACATORPN	Relative page number
24	(18)	ADDRESS	4	ACAASCB	ASCB for a transfer page request

ACA Cross Reference

ACA Cross Reference

Name	Hex Offset	Hex Value
ACA	0	
ACAAIAP	C	
ACAASCB	18	
ACAASID	2	
ACAFLG1	1	
ACAFLSID	8	
ACAFSYM	1	08
ACAIOER	1	04
ACALGID	8	
ACALGN	8	
ACALPID	8	
ACAMAXPN	10	
ACANOGTM	1	80
ACAOP	0	
ACARPN	C	
ACARSV4	4	
ACARSV5	1	40
ACARSV7	1	20
ACARSV8	1	10
ACASYM	10	
ACATOLGI	10	
ACATOLP	10	
ACATORPN	14	
ACATRLH	1	01
ACAVRCT	1	02
ACAVRCK	8	

ACE Information

ACE Heading Information

Common Name: Auxiliary Storage Management Control Element
Macro ID: ILRACE
DSECT Name: ACE
Owning Component: Aux Storage Manager (SC1CW)
Eye-Catcher ID: ACE
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: Above 16M
Size: 56 Bytes
Created by: ILRASRIM, ILRPEX
Pointed to by: ASMAECEPC field of the ASMTV data area
 LGEPROCQ field of the LGE data area
 ASMGOSWT field of the ASMTV data area
 ASMGOSWK field of the ASMTV data area
 ASMLRGRQ field of the ASMTV data area
 ASMLRGWQ field of the ASMTV data area
Serialization: The ASMTV lock is used to serialize those fields used by the transfer page operation. The ASM class lock is used to serialize the process queue pointer. The LGE process queue serializes group operation fields.
Function: The ACE is used by the VIO controller to track non-page operations for VIO data set logical groups.

ACE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	56	ACE	ASM Control Element
0	(0)	CHARACTER	4	ACEID	ACE control block ID 'C'ACE ' (COMMON)
4	(4)	CHARACTER	52	ACEBODY	Body of the ACE, omitting the control block ID
4	(4)	ADDRESS	4	ACEFQPA	Forward queue pointer for VIO process queue (COMMON)
8	(8)	ADDRESS	4	ACEBQPA	Back queue pointer for VIO process queue (COMMON)
12	(C)	UNSIGNED	1	ACEOP	Operation code (COMMON)
13	(D)	BITSTRING	1	ACEFLG1	First flag field
		1...		ACEUSYM	Release 'S' symbol flag. 1 = 'S' symbol in ACE for release group, 0 = LGN in ACE for release LG
		.1.		ACETRPWT	Transfer page waiting flag. 1 = Transfer page operation waiting for paging I/O to complete, 0 = Operation not waiting on paging I/O
		..1.		ACEOVRID	Transfer page override flag. 1 = Ignore LPME in progress flag, 0 = No override in effect
		...1		ACENOACT	No active ASPCT flag. 1 = No active ASPCT exists for release LG request, 0 = Active ASPCT exists for release LG request
		.... 1...		ACEIOER	I/O error flag
		.... .1.		ACESTGER	Storage error flag
		.... ..1.		ACEVRCT	Vio in Real Cache Transfer
		.... ...1		ACETRLH	Indicate that the ASM locks are held for this transfer page request
14	(E)	BITSTRING	1	ACEFLG2	Reserved
15	(F)	BITSTRING	1	ACEFLG3	Primary status flags. These flags correspond to flags in AIAFLG3, any changes should be made in both control blocks at the same time
		1...		ACEGRPRQ	Group request flag. 1 = ACE is for a group request, 0 = ACE is for transfer page request
		.1.		ACEPRINO	Process in operation flag. 1 = Process requested has been started, 0 = Request has not been started
		..1.		ACERSV6	Reserved, used in AIA
		...1		ACERSV7	Reserved, used in AIA
		.... 1...		ACELPMEC	Auxiliary locator status flag. 1 = LPID converted to LPME LPME in ACE, 0 = LPID in ACE
		.... .1.		ACERSV8	Reserved, used in AIA
		.... ..1.		ACERSV9	Reserved, used in AIA
		.... ...1		ACERSV10	Reserved, used in AIA
16	(10)	ADDRESS	4	ACELGE	Address of LGE whose process queue this ACE resides on
20	(14)	CHARACTER	8	ACELGN	LGN of logical group to be processed if a group operation, the RPN portion should always be zero in this case
20	(14)	SIGNED	4	ACELGID	The LG identifier of the logical group

ACE Constants • ACE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
24	(18)	UNSIGNED	4	ACERPN	The relative page number portion of the LGN, should always be 0 if ACEGRPRQ=1
24	(18)	ADDRESS	4	ACETLPME	Target LPME address for transfer page ACE
28	(1C)	SIGNED	4	ACERSV11	Reserved
32	(20)	ADDRESS	4	ACEASCB	ASCB for a transfer page request (COMMON)
36	(24)	CHARACTER	8	ACESYM	Storage locator 'S' symbol for saved VIO logical group
36	(24)	SIGNED	4	ACESRCID	Source LSID for transfer page operation or source Vio in Real Cache Token for transfer page operation
36	(24)	CHARACTER	4	ACEVLSID	VIO reference to source LSID
36	(24)	UNSIGNED	1	ACEVLSNN	LSID NN number
40	(28)	ADDRESS	4	ACEAIAPT	Pointer to AIA for page-out operation that will create source LSID if none already exists
44	(2C)	SIGNED	4	ACEECB	ECB that ILRGOS uses to wait for other operations on a logical group to complete before starting requested save or activate request
48	(30)	SIGNED	4	ACESRBWK	SRB controller work word
52	(34)	CHARACTER	4	ACERSV1	Reserved
56	(38)	CHARACTER	0	*	For alignment

ACE Constants

Len	Type	Value	Name	Description
1	HEX	00	ACEIO	Page I/O request
1	HEX	04	ACETRPAG	Transfer page request
1	HEX	08	ACEASGN	Assign LG
1	HEX	0C	ACERELLG	Release LG
1	HEX	10	ACESVLGN	Save LG and LGN
1	HEX	14	ACEACT	Activate
1	HEX	1C	ACEDEACT	Deactivate
1	HEX	20	ACEPD	Page delete
1	HEX	24	ACEESQRY	Query-Real (AIA only)
1	HEX	28	ACEMOVES	Moveout-Real (AIA only)

ACE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ACE	0		ACEUSYM	D	80
ACEAIAPT	28		ACEVLSID	24	
ACEASCB	20		ACEVLSNN	24	
ACEBODY	4		ACEVRCT	D	02
ACEBQPA	8				
ACEECB	2C				
ACEFLG1	D				
ACEFLG2	E				
ACEFLG3	F				
ACEFQPA	4				
ACEGRPRQ	F	80			
ACEID	0				
ACEIOER	D	08			
ACELGE	10				
ACELGID	14				
ACELGN	14				
ACELPMEC	F	08			
ACENOACT	D	10			
ACEOP	C				
ACEOVRID	D	20			
ACEPRINO	F	40			
ACERPN	18				
ACERSV1	34				
ACERSV10	F	01			
ACERSV11	1C				
ACERSV6	F	20			
ACERSV7	F	10			
ACERSV8	F	04			
ACERSV9	F	02			
ACESRBWK	30				
ACESRCID	24				
ACESTGER	D	04			
ACESYM	24				
ACETLPME	18				
ACETRLH	D	01			
ACETRPWT	D	40			

ADB Information

ADB Heading Information

Common Name: Allocation Descriptor Block (ADB)
Macro ID: IEFZB4H1
DSECT Name: ADB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: ADB
 Offset: 0
 Length: 4

Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: 230
 Key: 1
 Data Space: No
 Residency: Any

Size: 72 decimal bytes
Created by: IEFHB4I1
Pointed to by: JESALLOP in IEFJESCT
Serialization: Each field is serialized individually.
Function: This macro provides a symbolic mapping of the anchor of all other control blocks in the allocation address space and contains data pertaining to Shared tape structure IEFAUTOS

ADB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	72	ADB	ALLOCATION DESCRIPTOR BLOCK
0	(0)	CHARACTER	4	ADBID	ACRONYM: ADB
4	(4)	ADDRESS	4	ADBDAIT	POINTER TO DAIT
8	(8)	CHARACTER	4	*	Reserved. Was DVT ptr
12	(C)	SIGNED	4	ABDU ECB	DISPLAY ALLOCATION SDUMP ECB
16	(10)	ADDRESS	4	ADBHB410	STARTING ADDR OF IEFHB410
20	(14)	ADDRESS	4	ADB410LN	LENGTH OF IEFHB410
24	(18)	ADDRESS	4	ADBHB420	Starting addr of IEFHB420
28	(1C)	ADDRESS	4	ADB420LN	Length of IEFHB420
32	(20)	ADDRESS	4	ADB_IEFALPCE_EP	The generalized estae recovery routine entry point used by the ALLOC xes modules
36	(24)	ADDRESS	4	ADB_IEFALFRR_EP	The generalized FRR recovery routine entry point used by the ALLOC xes modules
40	(28)	ADDRESS	4	ADB_IEFHIPVT@	
44	(2C)	ADDRESS	4	ADB_IEFHIPVTEND@	
48	(30)	CHARACTER	16	*	
48	(30)	CHARACTER	16	*	
64	(40)	CHARACTER	8	*	

ADB Constants

Len	Type	Value	Name	Description
Comment				
Related declares				
End of Comment				
4	CHARACTER	ADB	ADBACRO	ADB acronym value
4	DECIMAL	230	DISPSUBP	Storage subpool for display allocation tables
4	DECIMAL	1	DISPKEY	Storage key for display allocation tables
4	DECIMAL	72	ADBLEN	LENGTH OF THE ADB

ADB Cross Reference

ADB Cross Reference

Name	Hex Offset	Hex Value
ADB	0	
ADB_IEFALFRR_EP	24	
ADB_IEFALPCE_EP	20	
ADB_IEFHIPVT@	28	
ADB_IEFHIPVTEND@	2C	
ADBDAIT	4	
ABDU ECB	C	
ADBHB410	10	
ADBHB420	18	
ADBID	0	
ADB410LN	14	
ADB420LN	1C	

ADSR Information

ADSR Programming Interface information

Programming Interface information

ADSR

End of Programming Interface information

ADSR Heading Information • ADSR Map

ADSR Heading Information

Common Name: Symptom Record
Macro ID: ADSR
DSECT Name: ADSR, ADSRCMPS, ADSRDBST, ADSRROSD, ADSR5ST
Owning Component: Symptom Record Services (SCASR)
Eye-Catcher ID: SR
 Offset: 0
 Length: 2
Storage Attributes: Subpool: Any
 Key: Any
Size: Variable up to 1900 bytes
Created by: Any routine which is creating a symptom record to be logged using the SYMREC executable macro.
Pointed to by: Addressability to the symptom record is managed by the routine that creates it.
Serialization: None
Function: A symptom record is a data record containing a description of a programming event or failure and its environment.

ADSR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSR	- DSECT name for sections 1 & 2
0	(0)	CHARACTER	2	ADSRID	'SR' symptom record id
2	(2)	CHARACTER	4	ADSRCPM	CPU model number
6	(6)	CHARACTER	6	ADSRCPS	CPU serial number
12	(C)	BITSTRING	4	ADSRGMT	Local time zone conversion factor
16	(10)	BITSTRING	4	ADSRTIME	Time stamp
20	(14)	CHARACTER	8	ADSR TOD	Time stamp (HHMMSSSTH)
28	(1C)	CHARACTER	6	ADSRDATE	Date (YYMMDD)
34	(22)	CHARACTER	8	ADSRSID	Customer assigned system/node name
42	(2A)	CHARACTER	4	ADSRSYS	Product id of BCP
46	(2E)	CHARACTER	8	ADSRCML	Feature and level of SYMREC service
54	(36)	BITSTRING	1	ADSRFL1	Record status flags
		.1..		ADSRTRNC	"X'40" Symptom record was truncated
		..1.		ADSRPMOD	"X'20" The section 3 symptom string has been modified
		...1		ADSRGEN	"X'10" No record from component
		.... 1...		ADSRMOD	"X'08" The section 4 symptom string has been modified
		.... ..1..		ADSRDAEN	"X'04" DAE is not to use this symptom record for dump suppression
55	(37)	BITSTRING	1	ADSRFL2	Record status flags
		1...		ADSRNOTD	"X'80" ADSRTOD & ADSRDATE have not been computed
		..1.		ADSRASYN	"X'40" Record was created asynchronously from the error
		..1.		ADSRNALT	"X'20" Network notification (e.g., an alert or alarm) is not required
56	(38)	CHARACTER	8	ADSRDTP	Type of dump taken for this event

Comment

Section 2 of the symptom record

End of Comment

64	(40)	CHARACTER	2	ADSRARID	Architectural level of the symptom record
66	(42)	SIGNED	2	ADSRRL	Length of section 2
68	(44)	SIGNED	2	ADSRCSL	Length of section 2.1 (ADSRCMPS)
70	(46)	SIGNED	2	ADSRCSO	Offset of section 2.1 (ADSRCMPS)
72	(48)	SIGNED	2	ADSRDBL	Length of section 3 (ADSRDBST)
74	(4A)	SIGNED	2	ADSRDBO	Offset of section 3 (ADSRDBST)
76	(4C)	SIGNED	2	ADSRROSL	Length of section 4 (ADSRROSD)
78	(4E)	SIGNED	2	ADSRROSA	Offset of section 4 (ADSRROSD)
80	(50)	SIGNED	2	ADSRRONL	Length of section 5 (ADSR5ST)
82	(52)	SIGNED	2	ADSRRONA	Offset of section 5 (ADSR5ST)
84	(54)	SIGNED	2	ADSRRLSL	Length of section 6
86	(56)	SIGNED	2	ADSRRLISA	Offset of section 6
88	(58)	CHARACTER	8	ADSR5RES	System data
96	(60)	CHARACTER	16		Reserved

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSRCMPS	- DSECT name for section 2.1
0	(0)	CHARACTER	4	ADSRC	Identifier for section 2.1
4	(4)	CHARACTER	2	ADSRCRL	Architectural level of the symptom record
6	(6)	CHARACTER	9	ADSRCID	Component identifier

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
15	(F)	BITSTRING 1...	1	ADSRFLC	Component status flags
16	(10)	CHARACTER	4	ADSRNIBM	"X'80" Non-IBM program
20	(14)	CHARACTER	8	ADSRPDL	Component level
28	(1C)	CHARACTER	8	ADSRPTF	PTF level
36	(24)	CHARACTER	8	ADSRPID	PID level
44	(2C)	CHARACTER	8	ADSRPIDL	PID release level
76	(4C)	CHARACTER	32	ADSRCDSC	Text description
80	(50)	BITSTRING	4	ADSRRET	Return code
84	(54)	BITSTRING	4	ADSRREA	Reason code
88	(58)	CHARACTER	8	ADSRPRID	Problem identifier
92	(5C)	CHARACTER	8	ADSRSSID	Subsystem identifier

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSRDBST	- Primary symptom string

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSRROSD	- Secondary symptom string

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSR5ST	- Free Format Data

ADSR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADSR	0		ADSRRONL	50	
ADSRARID	40		ADSRROSA	4E	
ADSRASYN	37	40	ADSRROSD	0	
ADSRAC	0		ADSRROSL	4C	
ADSRCDSC	2C		ADSRSGEN	36	10
ADSRCID	6		ADSRSID	22	
ADSRCML	2E		ADSRSMOD	36	8
ADSRCMPS	0		ADSRRES	58	
ADSRCPM	2		ADSRSSID	5C	
ADSRCPS	6		ADSRSYS	2A	
ADSRCRL	4		ADSRTIME	10	
ADSRCSL	44		ADSRTRNC	36	40
ADSRCST	46		ADSR5ST	0	
ADSRDAEN	36	4			
ADSRDATE	1C				
ADSRDBL	48				
ADSRDBO	4A				
ADSRDBST	0				
ADSRDTP	38				
ADSRFLC	F				
ADSRFL1	36				
ADSRFL2	37				
ADSRGMT	C				
ADSRID	0				
ADSRIL	42				
ADSRILVL	10				
ADSRNALT	37	20			
ADSRNIBM	F	80			
ADSRNOTD	37	80			
ADSRPID	1C				
ADSRPIDL	24				
ADSRPMOD	36	20			
ADSRPRID	54				
ADSRPTF	14				
ADSRREA	50				
ADSRRET	4C				
ADSRRISA	56				
ADSRRISL	54				
ADSRRONA	52				

ADYENF Information

ADYENF Programming Interface information

Programming Interface information

ADYENF

End of Programming Interface information

ADYENF Heading Information • ADYENF Map

ADYENF Heading Information

Common Name: DAE ENF Parameter List
Macro ID: ADYENF
DSECT Name: ADYENF
Owning Component: Dump Analysis and Elimination (SC143)
Eye-Catcher ID: ENFD
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0 (252)
 Key: Key 0
 Residency: Extended Private in the DUMPSRV Address Space.
Size: ADYENF -- X'0110' bytes
Created by: ADYTRNS - DAE Post Dump Processing
Pointed to by: Passed as a formal Parameter to Listen Exit for ENF Event 47
 Dynamic Area of ADYTRNS.
Serialization: None required.
Function: This data area maps the information presented to ENF exits listening for ENF signal 47 (decimal). This event will be signalled when the installation-defined threshold for SVC Dump requests is exceeded. Subsequent notifications will not be made until the amount of time specified by the installation has been exceeded.

ADYENF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADYENF	DAE Event Notification Parameter List
0	(0)	CHARACTER	4	ADYENFACRONYM	
4	(4)	CHARACTER	5	ADYENFCOMPONENT	Eyecatcher C'ENFD'
9	(9)	SIGNED	1	ADYENFVERSION	DAE Component 'SC143'
10	(A)	CHARACTER	2	ADYENFQUAL (0)	Version (1,2,3...)
10	(A)	SIGNED	1	ADYENFEVENT	ENF Qualifier
11	(B)	SIGNED	1	ADYENFRECTYPE	Event Number - 47.
12	(C)	CHARACTER	260	ADYENFDATA (0)	Function code, listed below. The following data has been taken from the dump and/or the system in general. If a field is 0, it was not available.
12	(C)	SIGNED	2	ADYENFTIME	NOTIFY Time interval
14	(E)	SIGNED	2	ADYENFCOUNT	NOTIFY Event Threshold
16	(10)	SIGNED	4	ADYENFREQ	Actual Number of Dumps Requested since the last time a Notify was issued.
20	(14)	CHARACTER	8	ADYENFTIMESTAMPF	Timestamp of the first event in this interval. This field is produced using STCK when the event (either Suppressed Dump or Complete Dump) completes. It has NOT been adjusted to local time.
28	(1C)	CHARACTER	8	ADYENFTIMESTAMPL	Timestamp of the last event in this interval. This field is produced using STCK, and has NOT been adjusted to local time.
36	(24)	CHARACTER	10	ADYENFERRORID (0)	Original ErrorID
36	(24)	SIGNED	2	ADYENFERSEQ	Errorid sequence number
38	(26)	SIGNED	2	ADYENFERCPU	
40	(28)	SIGNED	2	ADYENFERAS	Errorid ASID
42	(2A)	SIGNED	4	ADYENFTIMES	
46	(2E)	BITSTRING	2	ADYENFFLAGS (0)	Flags
		1... ..		ADYENFFLAGSTRUNCATED	"X'80" Symptom String was truncated to 150 Characters.
46	(2E)	BITSTRING	1		Reserved
48	(30)	CHARACTER	44	ADYENFDSNAME	Dump Data Set Name
92	(5C)	SIGNED	2	ADYENFSYMPTOMSTRINGLEN	Symptom String length. Length of the symptom string includes one blank at the end of the string.
94	(5E)	SIGNED	2	ADYENFSYMPTOMCOUNT	Count of number of symptoms in the symptom string.
96	(60)	CHARACTER	150	ADYENFSYMPTOMSTRING	Symptom String generated by DAE based on either input from the SDWA, or the symptom record passed to SVC Dump. Padded on the right with blanks.
246	(F6)	CHARACTER	26	ADYENFXXX	Reserved
272	(110)	CHARACTER	1	ADYENFEND (0)	The End
		.... ..1		ADYENFRECTYPETHRESHOLD	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
272	(110)	X'D5C6C4'	0	ADYENFEYECATCHER	"X'01" Threshold exceeded
272	(110)	X'96'	0	ADYENFMAXSYMPTOMSTRING	"C'ENFD" String to be placed in ADYENFAcronym "150" The maximum length of the symptom string (which contains a blank at the end) is 150 Characters.
272	(110)	X'1'	0	ADYENFVERSION1	"1" Version 1
272	(110)	X'1'	0	ADYENFVERSIONCURRENT	"1" Current Version.
272	(110)	X'110'	0	ADYENF_LEN	"*-ADYENF"

ADYENF Cross Reference

Name	Hex Offset	Hex Value
ADYENF	0	
ADYENF_LEN	110	110
ADYENFACRONYM	0	
ADYENFCOMPONENT	4	
ADYENFCOUNT	E	
ADYENFDATA	C	
ADYENFDSNAME	30	
ADYENFEND	110	
ADYENFERAS	28	
ADYENFERCPU	26	
ADYENFERRORID	24	
ADYENFERSEQ	24	
ADYENFEVENT	A	
ADYENFEYECATCHER	110	D5C6C4
ADYENFFLAGS	2E	
ADYENFFLAGSTRUNCATED	2E	80
ADYENFMAXSYMPTOMSTRING	110	96
ADYENFQUAL	A	
ADYENFRECTYPE	B	
ADYENFRECTYPEPETHRESHOLD	110	1
ADYENFREQ	10	
ADYENFSYMPATOMCOUNT	5E	
ADYENFSYMPATOMSTRING	60	
ADYENFSYMPATOMSTRINGLEN	5C	
ADYENFTIME	C	
ADYENFTIMES	2A	
ADYENFTIMESTAMPF	14	
ADYENFTIMESTAMPL	1C	
ADYENFVERSION	9	
ADYENFVERSIONCURRENT	110	1
ADYENFVERSION1	110	1
ADYENFXXX	F6	

ADYEVENT Information

ADYEVENT Heading Information

Common Name: DAE Event List Mapping
Macro ID: ADYEVENT
DSECT Name: EVENTLIST
Owning Component: Dump Analysis and Elimination (SC143)
Eye-Catcher ID: EVEN
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 225
 Key: Key 0
 Residency: Extended Private in the DUMPSRV Address Space.
Size: ADYEVENT -- 84 bytes + (8 * DFLNOTDN bytes)
Created by: ADYTRNS - DAE Transaction Processing
Pointed to by: SYMPFREQ
Serialization: Same as for Symptom Queue.
Function: This data area maps the information kept to determine if a specified number of DAE Events have taken place in a given time.

ADYEVENT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	EVENTLIST	Event List for a Symptom
0	(0)	CHARACTER	84	EVENTHEADER	Header
0	(0)	CHARACTER	4	EVENTID	Event ID 'EVEN'
4	(4)	CHARACTER	4	EVENTFLAGS	Flags
		1...		EVENTOWED	A Notify is eventually Owed
8	(8)	CHARACTER	44	EVENTDATASETNAME	Event Dump Dataset Name
52	(34)	UNSIGNED	4	EVENTCOUNT	Count of Events
56	(38)	UNSIGNED	4	EVENTINDEX	Index of Events
60	(3C)	CHARACTER	8	EVENTFIRST	First Event in this interval
60	(3C)	UNSIGNED	4	EVENTFIRSTL	Left hand part
64	(40)	UNSIGNED	4	EVENTFIRSTR	Right hand part
68	(44)	CHARACTER	12	EVENTLAST	
68	(44)	UNSIGNED	4	EVENTLASTCOUNT	Count of Events at last notify
72	(48)	CHARACTER	8	EVENTLASTNOTIFYTIME	Last Notify Time (or 0)
72	(48)	UNSIGNED	4	EVENTLASTNOTIFYTIMEL	Left Word
80	(50)	UNSIGNED	2	EVENTSUBPOOL	Subpool of this Control Block
82	(52)	UNSIGNED	2	EVENTSIZE	Size of this entire Control Block
84	(54)	CHARACTER	8	EVENTTIMESTAMP	
				(*)	Event TimeStamps (number of entries contained in field DFLNOTDN)
84	(54)	UNSIGNED	4	EVENTTIMESTAMPL	Time Stamp Left Half

ADYEVENT Constants

Len	Type	Value	Name	Description
4	DECIMAL	225	EVENTSPCONST	Subpool

ADYEVENT Cross Reference

ADYEVENT Cross Reference

Name	Hex Offset	Hex Value
EVENTCOUNT	34	
EVENTDATASETNAME		
	8	
EVENTFIRST	3C	
EVENTFIRSTL	3C	
EVENTFIRSTR	40	
EVENTFLAGS	4	
EVENTHEADER	0	
EVENTID	0	
EVENTINDEX	38	
EVENTLAST	44	
EVENTLASTCOUNT		
	44	
EVENTLASTNOTIFYTIME		
	48	
EVENTLASTNOTIFYTIMEL		
	48	
EVENTLIST	0	
EVENTOWED	4	80
EVENTSIZE	52	
EVENTSUBPOOL	50	
EVENTTIMESTAMP		
	54	
EVENTTIMESTAMPPL		
	54	

AE Information

AE Heading Information

Common Name: VSM Allocated Element
Macro ID: IHAAE
DSECT Name: AE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
 Key: 0
 Residency: Above 16M line
Size: 18 bytes
Created by: IGVGLSQA, IGVFLSQA
Pointed to by: TCBAE, TCBAE, AENEXT, AEPREV
Serialization: LOCAL lock
Function: Describes TASK and JOB related LSQA space. Freed automatically at the end of task or job step.

AE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	18	AE	ALLOCATED ELEMENT
0	(0)	ADDRESS	4	AENEXT	ADDRESS OF NEXT AE
4	(4)	ADDRESS	4	AEPREV	ADDRESS OF PREVIOUS AE
8	(8)	ADDRESS	4	AEAREA	ADDRESS OF ALLOCATED AREA
12	(C)	UNSIGNED	4	AESIZE	SIZE OF ALLOCATED AREA
16	(10)	UNSIGNED	1	AESP	Subpool of allocated area
17	(11)	UNSIGNED	1	AERLOC	Real LOC of allocated area

AE Constants

Len	Type	Value	Name	Description
1	DECIMAL	49	AER31	R31 real LOC indicator
1	DECIMAL	100	AER64	R64 real LOC indicator

AHLMCWRC Information

AHLMCWRC Programming Interface information

Programming Interface information

AHLMCWRC

End of Programming Interface information

AHLMCWRC Heading Information • AHLMCWRC Map

AHLMCWRC Heading Information

Common Name: CCW trace entry segments.
Macro ID: AHLMCWRC
DSECT Name: MCWRC
Owning Component: Generalized Trace Facility (SC111)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
 Key: 0
Size: 256 bytes
 FREQUENCY: 1/CPU
Created by: Within field MCAWORK in MCAWSA and typically written to a GTF external trace data set
Pointed to by: N/A
Serialization: Disablement
Function: Maps CCW trace entry segments.

AHLMCWRC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MCWRC	, CCW TRACE ENTRY
0	(0)	ADDRESS	4	MCWASCB	ADDRESS SPACE CAUSING INTERRUPT
4	(4)	BITSTRING	2	MCWCPUID	CPU CAUSING INTERRUPT
6	(6)	CHARACTER	8	MCWJOB	JOBNAME CAUSING TRACE FROM FROM ASCBJBNS OR ASCBJBNI
14	(E)	BITSTRING	2	MCWDEVAD	DEVICE ADDR CAUSING TRACE
16	(10)	SIGNED	2	MCWDATAL	MAX AMOUNT OF DATA TO FOLLOW
18	(12)	BITSTRING	1	MCWFLG1	ID FOR CCWTRACE FORMATTER

Comment

EQU BIT0 Reserved

End of Comment

		.1..		MCWEIDAW	"BIT1" 64 bit IDAWs are being traced
		..1.		MCWFMT	"BIT2" FORMAT OF CCWS. 0 IMPLIES FORMAT ZERO CCWS ARE BEING TRACED. 1 IMPLIES FORMAT ONE CCWS ARE BEING TRACED.
		...1		MCWEWA	"BIT3" RECORD CONTAINS A EWA
		.... 1..		MCWIOSB	"BIT4" RECORD CONTAINS A IOSB
		.... .1..		MCWLAST	"BIT5" THIS IS THE LAST RECORD FOR THIS EVENT (EG: SIO)
		.... ..1.		MCWMSG	"BIT6" RECORD CONTAINS A MESSAGE
		.... ...1		MCWLOST	"BIT7" END OF CHAIN NOT FOUND
19	(13)	SIGNED	2	MCWRECNO	SEQUENTIAL RECORD COUNT FOR PRINT DUMP OF THIS EVENT (EG: SIO)
21	(15)	SIGNED	1	MCWTVSN	CCW record version
21	(15)	X'0'	0	MCWVERSIONNUMBER0	"0,1,C'F'" Pre V1R6 MCW Version
21	(15)	X'1'	0	MCWVERSIONNUMBER1	"1,1,C'F'" V1R6 Version of the MCW with PAV support.
21	(15)	X'2'	0	MCWVERSIONNUMBER2	"2,1,C'F'" V1R6 Version of the MCW with MIDAW support.
21	(15)	X'3'	0	MCWVERSIONNUMBER3	"3,1,C'F'" V1R7 Version of the MCW with SubChannel Set Support
21	(15)	X'3'	0	MCWCURRVERSIONNUMBER	"MCWVERSIONNUMBER3,1,C'F'" The current version of the MCW
22	(16)	BITSTRING	1	MCWSSID	SubChannel set ID
23	(17)	SIGNED	1	MCWUCBWGT	From UCB, has UCBMTPXP
24	(18)	BITSTRING	2	MCWBASE	Device no. for a PAV
26	(1A)	BITSTRING	1	MCWBSSID	Base subchannel set ID
27	(1B)	BITSTRING	2	MCWRSVD2	Reserved
29	(1D)	CHARACTER	0	MCWREC (0)	Variable Data Area
29	(1D)	CHARACTER	235	MCWREC1 (0)	Variable data area
29	(1D)	SIGNED	1	MCWTRTID	TRANSLATE TABLE ID FOR FORMATTER
30	(1E)	CHARACTER	234	MCWCCWA	START CCW AND DATA FIELD

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MCWCCWA1	,
0	(0)	BITSTRING	2	MCWFLG2 (0)	
0	(0)	BITSTRING	1	MCWFLG2A	Byte 1 of MCWFLG2
		1...		MCWMOD	"BIT0" CCW HAS MODIFY ABILITY
		.1..		MCWNODAT	"BIT1" NO DATA TRACED FOR THIS CCW
		..1.		MCWCMCDS	"BIT2" COMMAND CODE SAVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1	(1)	...1		MCWRDBKW	"BIT3" COMMAND CODE IS READ BACKWARD
		.... 1111		MCWCMDCD	"BIT4+BIT5+BIT6+BIT7" SAVE AREA FOR CCW COMD CODE
		BITSTRING	1	MCWFLG2B	Byte 2 of MCWFLG2
		1...		MCWDATA1	"BIT0" RECORD CONTAINS CONTINUATION OF DATA FROM PREVIOUS RECORD
		.1..		MCWCDBIT	"BIT1" THIS CCW DOES A CHAIN DATA
		..1.		MCWIDAW1	"BIT2" IDAW INDICATOR FLAG FOR PRINTDUMP FORMATTER
		...1		MCWDATE1	"BIT3" ERROR IN DATA TRACED-NO DATA FORMATTED
		.... 1...		MCWSPLIT	"BIT4" MORE DATA AVAILABLE THAN FORMATTED
		.... ..1.		MCWLAST1	"BIT5" LAST CCW TO BE EXECUTED
		.... ..1.		MCWTIC	"BIT6" TIC INST NO DATA TRANSFERRED
2	(2)	.... ...1		MCWLAST1	"BIT7" CCW CHAIN LOST AT THIS POINT
		SIGNED	2	MCWDALNH	LENGTH OF DATA IN THIS CCW. FOR DATA CONTINUATION, IT IS THE RESIDUAL COUNT
4	(4)	SIGNED	1	MCWDATLN	LENGTH OF DATA IN THIS REC
5	(5)	CHARACTER	1	MCWOLDCCWB (0)	Location of the Format 0 MCW's CCWB
5	(5)	BITSTRING	1	MCWFLG3	MCW FLAG 3
		1...		MCWMIDAW1	"BIT0" MIDAWs ARE ASSOCIATED WITH WITH THIS RECORD.
6	(6)	BITSTRING	2		RESERVED
8	(8)	SIGNED	4	MCWCCWB (0)	AREA FOR CCW ADDR,CCW & CNT also IDAW and MIDAWs
8	(8)	ADDRESS	4	MCWCCWAD	VIRTUAL ADDRESS OF CCW
12	(C)	BITSTRING	8	MCWCCW	CCW BEING TRACED
20	(14)	BITSTRING	4		Extra Area for MIDAW
24	(18)	CHARACTER	1	MCWCCWL (0)	AREA FOR LENGTH AND DATA

Comment

MCWFmt0CCWB is defined on MCWOldCCWB and overlays MCWFLG3 to MCWCCWL

End of Comment

5	(5)	CHARACTER	1	MCWFMT0CCWB (0)	AREA FOR CCW ADDR,CCW CNT and IDAWs
5	(5)	ADDRESS	4	MCWFMT0CCWAD	VIRTUAL ADDRESS OF CCW
9	(9)	BITSTRING	8	MCWFMT0CCW	CCW BEING TRACED
17	(11)	CHARACTER	1	MCWFMT0CCWL (0)	AREA FOR LENGTH AND DATA
8	(8)	CHARACTER	1	MCWIDAW (0)	MAPPING FOR INDIRECT DATA ADDRESS WORD ENTRY
8	(8)	ADDRESS	8	MCWIDAW64 (0)	64 bit pointer to IDAW
8	(8)	ADDRESS	4	MCWIDADH (0)	High order 32 bits of IDA data address when MCWEIDAW is On.
8	(8)	CHARACTER	4	MCWIDAWA	'IDAW' when MCWEIDAW is Off
12	(C)	ADDRESS	4	MCWIDADA	IDA data address (low order 32 bits when MCWEIDAW is On)
16	(10)	SIGNED	2	MCWIDACT	ACTUAL IDAW LENGTH
18	(12)	SIGNED	2		UNUSED

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MCWCCWB1	,
0	(0)	CHARACTER	256	MCWDATA	DATA AREA FOR CCWS

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MCWRC	, CCW TRACE ENTRY
29	(1D)	BITSTRING	235	MCWREC2	
264	(108)	BITSTRING	10	MCWBLKHD (0)	HEADER GROUP
264	(108)	BITSTRING	4	MCWBLKID	TYPE OF RECORD
268	(10C)	ADDRESS	4	MCWBLKAD	ADDR OF EWA,IOSB OR ZEROS
272	(110)	SIGNED	2	MCWBLKLN	LENGTH OF EWA,IOSB OR MSG
274	(112)	BITSTRING	225	MCWTRC	DATA OR MESSAGE

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MCWCCWA1	,
8	(8)	BITSTRING	1	MCWMIDAW (0)	MAPPING FOR MODIFIED INDIRECT DATA ADDRESS WORD ENTRY
8	(8)	BITSTRING	5		RESERVED IN THE MIDAW
13	(D)	BITSTRING	1	MCWMIDAF1G1	FLAGS
		1...		MCWMIDALAST	"BIT0" THIS IS THE LAST MIDAW IN A CONTIGUOUS LIST OF MIDAWs

AHLMCWRC Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		MCWMIDASKIP	"BIT1" SKIP THE TRANSFER OF INFORMATION TO MAIN STORAGE DURING A READ, READ BACKWARDS, SENSE ID OR SENSE OPERATION. COUNT
14	(E)	SIGNED	2	MCWMIDACNT	
16	(10)	ADDRESS	8	MCWMIDAADDR (0)	DATA ADDRESS (64 BIT)
16	(10)	ADDRESS	4	MCWMIDAAH	HIGH ORDER WORD OF ADDR
20	(14)	ADDRESS	4	MCWMIDAAL	LOW ORDER WORD OF ADDR

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AHLUCBWGT	, MAP THE ...WGT FIELD
0	(0)	BITSTRING	1		
		1..		AHLUCBWGTR0	"BIT0" Reserved
		.1..		AHLUCBWGTR1	"BIT1" Reserved
		..1.		AHLUCBWGTR2	"BIT2" Reserved
		...1		AHLUCBWGTR3	"BIT3" Reserved
		.... 1...		AHLPAV	"BIT4" Reflects UCB PAV device
		.... .1..		AHLUCBWGTR5	"BIT5" Reserved
		.... ..1.		AHLUCBWGTR6	"BIT6" Reserved
		.... ...1		AHLUCBWGTR7	"BIT7" Reserved

AHLMCWRC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AHLPAV	0	8	MCWFMT0CCWAD	5	
AHLUCBWGT	0		MCWFMT0CCWB	5	
AHLUCBWGTR0	0	80	MCWFMT0CCWL	11	
AHLUCBWGTR1	0	40	MCWIDACT	10	
AHLUCBWGTR2	0	20	MCWIDADA	C	
AHLUCBWGTR3	0	10	MCWIDADH	8	
AHLUCBWGTR5	0	4	MCWIDAW	8	
AHLUCBWGTR6	0	2	MCWIDAWA	8	
AHLUCBWGTR7	0	1	MCWIDAW1	1	20
MCWASCB	0		MCWIDAW64	8	
MCWBASE	18		MCWIOSB	12	8
MCWBLKAD	10C		MCWJOB	6	
MCWBLKHD	108		MCWLAST	12	4
MCWBLKID	108		MCWLAST1	1	4
MCWBLKLN	110		MCWLOST	12	1
MCWBSSID	1A		MCWLOST1	1	1
MCWCCW	C		MCWMIDAADDR	10	
MCWCCWA	1E		MCWMIDAAH	10	
MCWCCWAD	8		MCWMIDAAL	14	
MCWCCWA1	0		MCWMIDACNT	E	
MCWCCWA1	0		MCWMIDAFGL1	D	
MCWCCWB	8		MCWMIDALAST	D	80
MCWCCWB1	0		MCWMIDASKIP	D	40
MCWCCWL	18		MCWMIDAW	8	
MCWCDBIT	1	40	MCWMIDAW1	5	80
MCWCMCDS	0	20	MCWMOD	0	80
MCWCMDCD	0	F	MCWMSG	12	2
MCWCPUID	4		MCWNODAT	0	40
MCWCURRVERSIONNUMBER			MCWOLDCCWB	5	
	15	3	MCWRC	0	
MCWDALNH	2		MCWRC	0	
MCWDATA	0		MCWRDBKW	0	10
MCWDATAL	10		MCWREC	1D	
MCWDATA1	1	80	MCWRECNO	13	
MCWDATER	1	10	MCWREC1	1D	
MCWDATLN	4		MCWREC2	1D	
MCWDEVAD	E		MCWRSVD2	1B	
MCWEIDAW	12	40	MCWSPLIT	1	8
MCWEWA	12	10	MCWSSID	16	
MCWFLG1	12		MCWTIC	1	2
MCWFLG2	0		MCWTRC	112	
MCWFLG2A	0		MCWTRTID	1D	
MCWFLG2B	1		MCWTVSN	15	
MCWFLG3	5		MCWUCBWGT	17	
MCWFMT	12	20	MCWVERSIONNUMBER0		
MCWFMT0CCW	9			15	0

Name	Hex Offset	Hex Value
MCWVERSIONNUMBER1	15	1
MCWVERSIONNUMBER2	15	2
MCWVERSIONNUMBER3	15	3

AIA Information

AIA Heading Information

Common Name: Auxiliary Storage Management I/O Request Area
Macro ID: ILRAIA
DSECT Name: AIA
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: AIA
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
Size: 60 Bytes
Created by: User (RSM), see PCB data area
Pointed to by: Register 1 on entry to ASM
 LGEPROCQ field of the LGE data area
 PCCWAIA field of the PCCW data area
 ASHSWAPQ field of the ASMHD data area
 PARTNPCW field of the PART data area
 AIAFQPA field of the AIA data area
 AIABQPA field of the AIA data area
 PCBAIA field of the PCB data area
 AIANXAIA field of the AIA data area
Serialization: The ASMGL lock is used to serialize the AIA except for the VIO-related flags, the process queue pointers, and the LPID fields which are serialized by the ASM class lock of the owning address space.
Function: The AIA is the mechanism for identifying the input/output of a single page to ASM.

AIA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	60	AIA	ASM I/O Area
0	(0)	CHARACTER	4	AIACBID	AIA control block ID C'AIA ' (COMMON)
4	(4)	ADDRESS	4	AIAFQPA	Forward queue pointer of VIO process queue (COMMON)
8	(8)	ADDRESS	4	AIABQPA	Back queue pointer for VIO process queue (COMMON)
12	(C)	UNSIGNED	1	AIAOP	Operation code field. Corresponds to ACEOP in ACE. (COMMON)
13	(D)	BITSTRING	1	AIAFLG1	I/O control flags
		1...		AIAWRITE	Read/write flag. 1 = Write operation, 0 = Read operation
		.1..		AIAPRIV	Page type flag. 1 = Private area flag, 0 = Common area flag
		..1.		AIAVIO	VIO page flag. 1 = Page I/O operation for VIO page, 0 = Normal virtual page
		...1		AIAPGSCM	

Comment

The following flags are used to control a swap-out or swap-in operation.

End of Comment

		.... 1...		AIALSQA	Swap LSQA or working set flag. 1 = Page is an LSQA page, 0 = Page is not an LSQA page
		.... .1..		AIAPAGDS	LSQA page location flag, set only if LSQA flag is set. 1 = LSQA page on a page data set, 0 = LSQA page on a swap data set
		.... ..1.		AIASSTGER	Storage error indicator - request failed due to bad storage in the frame being written or read
		.... ...1		AIASCMREQD	
14	(E)	BITSTRING	1	AIAFLG2	I/O disposition flag. The first several flags direct ASM action on I/O completion events
		1...		AIAIOCMP	I/O completed flag. 1 = This I/O request has been completed and handed to RSM, 0 = This I/O request is not yet completed.
		.1..		AIATERMR	Address space termination flag. 1 = Address space this AIA is associated with has been terminated, 0 = Address space still active
		..1.		AIAIORTY	I/O retry flag. 1 = I/O operation must be retried, 0 = Don't retry I/O operation
		...1		AIASWAP	1 = Request is a swap request - set by RSM

AIA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>The following flags are I/O error flags. Normal I/O completion is signaled if all flags are off. Only one flag will be set at a time to indicate the error encountered by ASM to RSM.</p>					
End of Comment					
		.... 1...		AIAPRIER	Permanent I/O error has occurred for the requested operation. This flag will be on only for read operations. At the time the AIA is returned to RSM, ASM uses the flag internally for both read and write operations. If duplexed write operation, error occurred for primary write operation.
		.... .1..		AIAOFFLN	Frame is going offline at I/O completion
		.... ..1.		AIAERROR	Logical AIA error flag. 1 = AIA contains data inconsistent with previous AIAs in input chain
		.... ...1		AIABADID	Invalid auxiliary storage location flag. 1 = The LSID or LPID in the XPTE is invalid or the LSID in the AIA is incorrect
15	(F)	BITSTRING	1	AIAFLG3	VIO controller flags. Used only for VIO controller processing, AIAVIO must be set on, flags in this byte correspond to flags in ACEFLG3
		1...		AIARVS5	Reserved, used in ACE
		.1..		AIAPRINO	Process in operation flag. 1 = Page I/O operation started but not complete, 0 = Page I/O operation has not been started
		..1.		AIATRPSP	Transfer page flag. 1 = AIACEPTR contains address of transfer page ACE, 0 = Non-special AIA
		...1		AIANPCW	Request could not be started because of a lack of PCCWs
		.... 1...		AIALPMEC	Auxiliary locator status flag. 1 = LPID converted to LPME address, address of fixed LPME in AIA, 0 = LPID in AIA
Comment					
<p>The following flags support directed VIO.</p>					
End of Comment					
		.... .1..		AIAPGVIO	VIO flag. 1 = Page is part of a VIO window, 0 = Page is not VIO
		.... ..1.		AIASPILL	VIO spill flag - valid only when AIAVIO or AIAPGVIO = 1. 1 = This VIO page allowed on non-VIO data sets, 0 = This VIO page allowed only on VIO data sets
		.... ...1		AIARREC	Recovery recursion flag. 1 = AIA has been processed by recovery, 0 = AIA has not been processed by recovery.
16	(10)	ADDRESS	4	AIANXAIA	Chain pointer for single threaded queues used to pass AIA between RSM and ASM and between different ASM modules
20	(14)	CHARACTER	8	AIAID	Contents of this double word depend on the type of page being moved to or from auxiliary storage. This name is used to reference both LSIDs for a duplexed page.
20	(14)	CHARACTER	8	AIALPID	Field contains an LPID if AIAVIO = 1, and AIALPMEC = 0
20	(14)	UNSIGNED	4	AIALGID	The logical group ID or LGN makes up the first word of the LPID
20	(14)	UNSIGNED	4	AIAAUXID	Page Aux ID.
20	(14)	UNSIGNED	4	AIALSID	The logical slot identifier (LSID) for the auxiliary storage location of a virtual page (if AIAVIO = 0, or AIAVIO = 1 and AIALPMEC = AIAPRINO = 1)
20	(14)	UNSIGNED	1	AIAPNDX	Index into the PART for this request's primary page data set
21	(15)	CHARACTER	3	AIASLOT	Relative slot number of the primary LSID
21	(15)	UNSIGNED	2	AIAPROW	Row number for indexing the conversion table
23	(17)	UNSIGNED	1	AIAPCOL	Column number for indexing the conversion table
20	(14)	UNSIGNED	4	AIASCMBLOCKID	
24	(18)	UNSIGNED	4	AIARPN	The relative page number (RPN) portion of an LPID
24	(18)	ADDRESS	4	AIALPMEP	The address of the LPME in the ASPCT for a VIO page, if AIALPMEC is on
24	(18)	ADDRESS	4	AIACEPTR	Address of transfer page ACE requiring LSID from write operation in progress
24	(18)	SIGNED	4	AIASCMPR	Area to save return code to be passed to IARSCOMP - used by ILRPAGCM
28	(1C)	SIGNED	4	*	Reserved - AIAGRPSZ
28	(1C)	ADDRESS	4	AIALGE	The address of the LGE for the logical group owning the VIO page being processed
28	(1C)	SIGNED	4	IAVRECTK	VIO real cache token
28	(1C)	SIGNED	4	IAESTE	ESTE address
32	(20)	ADDRESS	4	AIAASCB	ASCB for this request, if it is for the private area (COMMON)
36	(24)	BITSTRING	1	AIAFLG4	Page delete and miscellaneous flags
		1...		AIAPDDEL	Page delete 1:N migration
		.1..		AIAPDRPL	Page delete 1:1 migration
		..1.		AIAIONST	Swap I/O not started flag. 1 = I/O not started, 0 = I/O started.
		...1		AIACNVRT	LSID conversion flag. 1 = LSID has been converted, 0 = LSID not converted.
		.... 1...		AIAFREE	RSM free flag. 1 = RSM intends to free this page, 0 = page will not be freed.
		.... .1..		AIAPURGE	1 = Query and Purge request, valid only for Query-Real
		.... ..1.		AIADNFLS	1 = Do not free LSID, valid only for Moveout-Real
		.... ...1		AIA1MPAG	Request is for 1M page

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
37	(25)	BITSTRING	3	AIATRACE	AIA Trace footprints
		1...		AIAIODRV	ILRIODRV: Entry to ILRIODRV
		.1..		AIAREDRV	ILRIODRV: Entry to ILREDRV
		..1.		AIASWIO	ILRIODRV: Entry to ILRSWLIO, ILRSWAPO, or ILRSWPIN
		...1		IAVIODR	ILRIODRV: Entry to ILRVIODR
		.... 1..		AIAPRCPR	ILRIODRV: PROCPARE processed
		.... .1..		AIAPSLTF	ILRIODRV: Primary slot freed
		.... ..1.		AIAPGFLT	ILRPGFLT: Entry to ILRPGFLT
		.... ...1		AIAPRSCM	ILRIODRV: Processed by ProcPareScm
		1...		*	Reserved
		.1..		*	Reserved
		..1.		*	Reserved
		...1		IASWPDR	ILRSWPDR: Entry to ILRSWPDR
.... 1..	AIAPRCW	ILRCMP: PROCCWS processed			
.... ..1.	AIABDSL	ILRCMP: BADSLOT processed			
.... ..1.	IAABNMT	ILRCMP: ABNMTTERM processed			
.... ...1	AIAPCISR	ILRCMP: PCI single read processing			
39	(27)	1...	AIAPCISP	ILRCMP: PCI suspend processing	
		..1.	AIAPAGCM	ILRPAGCM: Entry to ILRPAGCM	
		...1	AIASWCM	ILRPAGCM: Swap AIA processing completed	
		.... 1111	AIAVIOCM	ILRVIOCM: Entry to ILRVIOCM	
		.... 1111	*	Reserved	
40	(28)	CHARACTER	8	AIARSA64	

Comment

Real address of page frame

End of Comment

40	(28)	UNSIGNED	4	*	Reserved in S/390 mode
44	(2C)	ADDRESS	4	AIARSA	Real address of page frame in S/390 mode
48	(30)	SIGNED	4	AIAOLDLS	Input LSID received from RSM, if the LSID was converted
48	(30)	UNSIGNED	1	AIAOLDNN	Old LSID NN
49	(31)	CHARACTER	3	AIAOLDL	Old LSID slot number
49	(31)	UNSIGNED	2	AIAOLDRW	Old LSID row number
51	(33)	UNSIGNED	1	AIAOLDCL	Old LSID column number
52	(34)	ADDRESS	4	AIAMSBPTR	
56	(38)	BITSTRING	1	AI AFLG5	Flag 5
		1...		AI ASCMPREF	
		.1..		AI ADASDREQD	Data must be paged to DASD. Currently this is only honored for common area pages
57	(39)	..11 1111	3	*	Unused flags
		CHARACTER		AIARSVD1	Reserved

AIA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AIA	0		AIAIORTY	E	20
IAAABNMT	26	02	AIALGE	1C	
IAAASCB	20		AIALGID	14	
IAAAUXID	14		AIALPID	14	
IAABADID	E	01	AIALPMEC	F	08
IAABDSL	26	04	AIALPMEP	18	
IAABQPA	8		AIALSID	14	
IAACBID	0		AIALSQA	D	08
IAACEPTR	18		AIAMSBPTR	34	
IAACNVRT	24	10	AIANPCW	F	10
IAADASDREQD	38	40	AIANXAIA	10	
IAADNFLS	24	02	AIAOFFLN	E	04
IAAERROR	E	02	AIAOLDCL	33	
IAAESTE	1C		AIAOLDLS	30	
IAAFLG1	D		AIAOLDNN	30	
IAAFLG2	E		AIAOLDRW	31	
IAAFLG3	F		AIAOLDL	31	
IAAFLG4	24		AIAOP	C	
IAAFLG5	38		AIAPAGCM	27	40
IAAFQPA	4		AIAPAGDS	D	04
IAAFREE	24	08	AIAPCISP	27	80
IAAID	14		AIAPCISR	26	01
IAAIOCMP	E	80	AIAPCOL	17	
IAAIODRV	25	80	AIAPDDEL	24	80
IAAIONST	24	20	AIAPDRPL	24	40

AIA Cross Reference

Name	Hex Offset	Hex Value
AIAPGFLT	25	02
AIAPGSCM	D	10
AIAPGVIO	F	04
AIAPNDX	14	
AIAPRCCW	26	08
AIAPRCPR	25	08
AIAPRIER	E	08
AIAPRINO	F	40
AIAPRIV	D	40
AIAPROW	15	
AIAPRSCM	25	01
AIAPSLTF	25	04
AIAPURGE	24	04
AIAREDRV	25	40
AIARPEN	18	
AIARREC	F	01
AIARSA	2C	
AIARSA64	28	
AIARSVD1	39	
AIARSV5	F	80
AIASCMBLOCKID		
	14	
AIASCMRPR	18	
AIASCMREF	38	80
AIASCMREQD	D	01
AIASLOT	15	
AIASPILL	F	02
AIASTGER	D	02
AIASWAP	E	10
AIASWCMP	27	20
AIASWIO	25	20
AIASWPDR	26	10
AIATERMR	E	40
AIATRACE	25	
AIATRPSP	F	20
AIAVIO	D	20
AIAVIOCM	27	10
AIAVIODR	25	10
AIAVRCKT	1C	
AIAWRITE	D	80
AIA1MPAG	24	01

AMDDATA Information

AMDDATA Programming Interface Information

Programming Interface Information

AMDDATA

End of Programming Interface Information

AMDDATA Heading Information • AMDDATA Map

AMDDATA Heading Information

Common Name: Dump Records Mapping
Macro ID: AMDDATA
DSECT Name: ADSSRNSD - Symptom String Data for MVS ADSSRCRS - Symptom String Data for RETAIN PRDINPUT - Common dumping parameters PRDSDOPS - SDUMP Options PRSDPMS - SDUMP Parameter List PRDSDSM - SDUMP/SYSMDUMP Section PRDSDWA - SDWA PRDSLIP - SLIP Section PRDSYSMD - SYSMDUMP Section
Owning Component: Dump Analysis and Elimination (SC143)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
 Key: 0
Size: 4160 bytes
Created by: IEAVTSDI - does the getmain for storage
 IEAVTSDH, AMDSADM2, ADYPRED - initialize the data area
Pointed to by: Not applicable
Serialization: None
Function: This macro defines dump header records, central processing unit status records, symptom records or dump data records created by stand-alone, SVC, or slip dumps, or SYSMDUMPs.

AMDDATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	, Main DSECT for dump record
0	(0)	CHARACTER	64	PRDPREF	Dump record prefix
64	(40)	CHARACTER	4096	PRDDATA	Dump record body
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	X'40'	0	PRDSIZ	"64" Length of dump record prefix
0	(0)	SIGNED	4	(0)	Align on fullword boundary
0	(0)	CHARACTER	1	PRD (0)	Dump prefix

Comment

 Dump record prefix #MD07340

End of Comment

0	(0)	CHARACTER	3	PRDID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	PRDIDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	PRDIDCV	"C'DR',2,C'C" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	PRDIDV	Dump record prefix version
2	(2)	X'F1'	0	PRDIDV31	"C'1',1,C'C" 31-bit support levels
2	(2)	X'F2'	0	PRDIDV64	"C'2',1,C'C" 64-bit support levels
3	(3)	ADDRESS	1	PRDLEN	Dump record prefix length

Comment

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
- Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<ul style="list-style-type: none"> - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL) - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE)) - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID) - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME) - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER) - Code LI refers to a literal value associated with a symbol (LITERAL) - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER)) - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP) 					
(2) A binary integer whose interpretation depends on the preceding code:					
<ul style="list-style-type: none"> - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. 					
(3) A doubleword whose interpretation depends on the preceding code:					
<ul style="list-style-type: none"> - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. 					

					End of Comment
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRDAS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRDAS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRDAST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR

AMDDATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C'" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
6	(6)	BITSTRING	2	PRDASH	Reserved
8	(8)	SIGNED	4	PRDAS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRDASC (0)	Second qualifier
12	(C)	SIGNED	4	PRDAS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRDAS3	Reserved
20	(14)	CHARACTER	1	PRDAS9 (0)	End BLSRDATS #MD03009
20	(14)	ADDRESS	4	PRDLAD	Logical address
24	(18)	SIGNED	4	PRDSEQ	Sequence number used to prevent dumps from merging
28	(1C)	SIGNED	4	(2)	Reserved for data common to all types of dump records
36	(24)	BITSTRING	28	PRDTPYP	Record type specific data
64	(40)	CHARACTER	1	PRD999 (0)	End BLSRDRPX #MD07340

Comment

Store Status Record (type C) Data

End of Comment

36	(24)	BITSTRING	1	PRDFLAGS	Store status flags
		1...		PRDSSINV	"BIT0" Store status may be invalid
		.1.		PRDSIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRDGPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRDBFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRDBFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRDBFPH	"BIT5" Not used
		.... ..1.		PRDZ1V	"BIT6"
		.... ...1		PRDZARCH	"BIT7" Status in z/Architecture format
		.... ...1		PRDESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved

Comment

Dump Header Record (type H) Data

End of Comment

36	(24)	BITSTRING	1	PRDDUMPT	Dump type
36	(24)	X'1'	0	PRDSADP	"1" Stand alone dump
36	(24)	X'2'	0	PRDSVCDP	"2" SVC dump
36	(24)	X'3'	0	PRDSMDP	"3" SYSDUMP
36	(24)	X'4'	0	PRDSLDP	"4" SLIP dump
36	(24)	X'5'	0	PRDBLSDP	"5" IPCS active
37	(25)	BITSTRING	27		Reserved

Comment

Storage Record (types A, CV, DS, SS, SV) Data

End of Comment

36	(24)	BITSTRING	1	PRDKEY	Storage key for page
		1111 1111		PRDKEYQ	"X'FF" Storage key not known

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1111		PRDKEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRDKEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRDKEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRDKEYR	"BIT5" Page referenced
		.... ..1.		PRDKEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRDTYPS	Record type specific data

Comment

Data Space Storage Record (type DS, SS) Data.

End of Comment

42	(2A)	SIGNED	2		Reserved
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Comment

The following supplements the ASID and Data Space information.

End of Comment

44	(2C)	ADDRESS	4	PRDASTE	Absolute address of ASTE
48	(30)	BITSTRING	8	PRDSTOKN	STOKEN
56	(38)	BITSTRING	8		Reserved

Comment

Storage Record (types CV, SV and SC) data. Note: The only
COMPDATA record for which this information is regarded as present
is COMPDATA(IARHVSHR) at this time.

End of Comment

42	(2A)	BITSTRING	1	PRDSTYP	System area type
		1..		PRDCOMM	"BIT0" Common area
		.1..		PRDAAF	"BIT1" Absolute address given
		..1.		PRDSHARE	"BIT2" Shared
43	(2B)	BITSTRING	1		Reserved
44	(2C)	ADDRESS	4	PRDAAP	Absolute address
48	(30)	BITSTRING	16		Reserved
0	(0)	X'40'	0	PRD64SIZ	"64" Length of dump record prefix
0	(0)	SIGNED	4	(0)	Align on fullword boundary
0	(0)	CHARACTER	1	PRD64 (0)	Dump prefix

Comment

Dump record prefix #MD07340

End of Comment

0	(0)	CHARACTER	3	PRD64ID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	PRD64IDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	PRD64IDCV	"C'DR',2,C'C" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	PRD64IDV	Dump record prefix version
2	(2)	X'F1'	0	PRD64IDV31	"C'1',1,C'C" 31-bit support levels
2	(2)	X'F2'	0	PRD64IDV64	"C'2',1,C'C" 64-bit support levels
3	(3)	ADDRESS	1	PRD64LEN	Dump record prefix length
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRD64AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRD64AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRD64AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
6	(6)	BITSTRING	2	PRD64ASH	Reserved
8	(8)	SIGNED	4	PRD64AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRD64ASC (0)	Second qualifier
12	(C)	SIGNED	4	PRD64AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRD64AS3	Reserved
20	(14)	CHARACTER	1	PRD64AS9 (0)	End BLSRDATS #MD03009

AMDDATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	BITSTRING	8	PRD64LAD	Logical address
28	(1C)	SIGNED	4	PRD64SEQ	Sequence number used to prevent dumps from merging
32	(20)	ADDRESS	1	PRD64PHS	Archaic - phase
33	(21)	BITSTRING	2		Reserved for data common to all types of dump records
35	(23)	ADDRESS	1	PRD64PHASE	Phase of dumping program
35	(23)	X'0'	0	PRD64PHASE0	"0" No phase recorded
35	(23)	X'1'	0	PRD64PHASESADMPA	"1" SADMP early real data collection
35	(23)	X'2'	0	PRD64PHASESADMPB	"2" SADMP virtual data collection
35	(23)	X'3'	0	PRD64PHASESADMPD	"3" SADMP added real data collection
35	(23)	X'4'	0	PRD64PHASESADMPPE	"4" SADMP - PFT
35	(23)	X'5'	0	PRD64PHASESADMPMINI	"5" SADMP - Minimal ASID real
35	(23)	X'6'	0	PRD64PHASESADMPSUMI	"6" SADMP - Summary ASID real
35	(23)	X'7'	0	PRD64PHASESADMPIN	"7" SADMP - Swapped-in ASID real
35	(23)	X'8'	0	PRD64PHASESADMPUSED	"8" SADMP - In-use real
35	(23)	X'9'	0	PRD64PHASESADMPMINO	"9" SADMP - Minimal ASID virtual
35	(23)	X'A'	0	PRD64PHASESADMPSUMO	"10" SADMP - Summary ASID virtual
35	(23)	X'B'	0	PRD64PHASESADMPAGED	"11" SADMP - Swapped-in ASID virtual
35	(23)	X'C'	0	PRD64PHASESADMPSWAP	"12" SADMP - Swapped-out ASID virtual
35	(23)	X'D'	0	PRD64PHASESADMPRSRV	"13" SADMP - Available real
36	(24)	BITSTRING	28	PRD64TYPD	Record type specific data
64	(40)	CHARACTER	1	PRD64999 (0)	End BLSRDRPX #MD07340

Comment

Store Status Record (type C) Data

End of Comment

36	(24)	BITSTRING	1	PRD64FLAGS	Store status flags
		1...		PRD64SSINV	"BIT0" Store status may be invalid
		.1.		PRD64SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRD64GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRD64BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1..		PRD64BFPV	"BIT4" FPRs valid in extended status
		.... .1.		PRD64BFPH	"BIT5" Not used
		.... ..1.		PRD64Z1V	"BIT6"
		.... ...1		PRD64ZARCH	"BIT7" Status in z/Architecture format
		.... ...1		PRD64ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved

Comment

Dump Header Record (type H) Data

End of Comment

36	(24)	BITSTRING	1	PRD64DUMPT	Dump type
36	(24)	X'1'	0	PRD64SADP	"1" Stand alone dump
36	(24)	X'2'	0	PRD64SVCDP	"2" SVC dump
36	(24)	X'3'	0	PRD64SMDP	"3" SYSDUMP
36	(24)	X'4'	0	PRD64SLPDP	"4" SLIP dump
36	(24)	X'5'	0	PRD64BLSDP	"5" IPCS active
37	(25)	BITSTRING	27		Reserved

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

Storage Record (types A, CV, DS, SS, SV) Data					

End of Comment					
36	(24)	BITSTRING	1	PRD64KEY	Storage key for page
		1111 1111		PRD64KEYQ	"X'FF" Storage key not known
		1111		PRD64KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRD64KEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRD64KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRD64KEYR	"BIT5" Page referenced
		.... .1.		PRD64KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRD64TYP5	Record type specific data
Comment					

Data Space Storage Record (type DS, SS) Data.					

End of Comment					
42	(2A)	SIGNED	2		Reserved
Comment					

End of Comment					
44	(2C)	BITSTRING	20		Reserved
Comment					

Storage Record (types CV, SV and SC) data. Note: The only COMPDATA record for which this information is regarded as present is COMPDATA(IARHVSHR) at this time.					

End of Comment					
42	(2A)	BITSTRING	1	PRD64STYP	System area type
		1...		PRD64COMM	"BIT0" Common area
		.1..		PRD64AAF	"BIT1" Absolute address given
		.1.		PRD64SHARE	"BIT2" Shared
43	(2B)	BITSTRING	1		Reserved
44	(2C)	BITSTRING	8	PRD64AAP	Absolute address
52	(34)	BITSTRING	12		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	,
64	(40)	CHARACTER	8	PRDMODNM	NAME OF PGM REQUESTING DUMP
72	(48)	CHARACTER	8	PRDTODVL	CLOCK VALUE AT TIME OF DUMP
80	(50)	CHARACTER	8	PRDCPU (0)	PROCESSOR IDENTIFICATION
80	(50)	CHARACTER	1	PRDPVRSN	PROCESSOR VERSION CODE IN HEX
81	(51)	CHARACTER	3	PRDPSERL	PROCESSOR SERIAL NUMBER IN HEX
84	(54)	CHARACTER	2	PRDPMODL	PROCESSOR MODEL NUMBER IN HEX
86	(56)	CHARACTER	2	PRDPCPU@	PHYSICAL CPU ADDRESS IN HEX
88	(58)	CHARACTER	100	PRDTITLE	TITLE FROM DUMP
188	(BC)	CHARACTER	8	PRDDSPB	TIME SYSTEM SET NON-DISPATCHABLE
196	(C4)	CHARACTER	8	PRDPSPE	TIME SYSTEM RESET DISPATCHABLE
204	(CC)	CHARACTER	8	PRDSNAME	SYSTEM NAME
212	(D4)	CHARACTER	12		RESERVED - Aligns PRDSDRSN
224	(E0)	CHARACTER	16	PRDSDRSN	SVC Dump reason code (only for SVC dump captured dumps)
240	(F0)	SIGNED	4	PRDSDBLK	Number of blocks in a captured dump (est. for auto alloc)
244	(F4)	CHARACTER	16	PRDPRODN	Product name
260	(104)	CHARACTER	2	PRDPRODV	Product version
262	(106)	CHARACTER	2	PRDPRODR	Product release
264	(108)	CHARACTER	2	PRDPRODM	Product modification

AMDDATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
266	(10A)	CHARACTER	1	PRDPRODD	Product development level
267	(10B)	CHARACTER	55		RESERVED
322	(142)	SIGNED	2	PRDADSS0	Offset of ADSS
324	(144)	CHARACTER	16	PRDXMP16	16-byte analog of PRDXMPSW
340	(154)	CHARACTER	16	PRDPSW16	16-byte analog of PRDPSW
356	(164)	SIGNED	4	PRDSDFW	POINTER USED FOR HEADER CHAIN

Comment

THE FOLLOWING FIELDS ARE OFFSETS TO OTHER SECTIONS OF THE HEADER ALONG WITH THE LENGTHS. IF THE OFFSET FIELD IS ZERO THEN THE CORRESPONDING SECTION DOES NOT EXIST

End of Comment

360	(168)	CHARACTER	16	PRDOFSET (0)	OFFSETS
360	(168)	SIGNED	2	PRDSDMPO	OFFSET OF SDUMP/SYSMDUMP COMMON SECTION
362	(16A)	SIGNED	2	PRDSDMPL	LENGTH OF COMMON SECTION
364	(16C)	SIGNED	2	PRDSLIP0	OFFSET OF SLIP SECTION
366	(16E)	SIGNED	2	PRDSLIPL	LENGTH OF SLIP SECTION
368	(170)	SIGNED	2	PRDSYSMO	OFFSET OF SYSMDUMP SECTION
370	(172)	SIGNED	2	PRDSYSML	LENGTH OF SYSMDUMP SECTION
372	(174)	SIGNED	2	PRDSDWAO	OFFSET OF SDWA FOR THIS DUMP
374	(176)	SIGNED	2	PRDSDWAL	LENGTH OF SDWA
376	(178)	CHARACTER	50	PRDCID	CALLER'S ID
426	(1AA)	SIGNED	2	PRDINTKO	Offset of incident token If 0, no incident token exists

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSDWA	, SDWA FOR THIS DUMP

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSDSM	,
0	(0)	CHARACTER	4	PRDCVT	VIRTUAL ADDRESS OF CVT
4	(4)	CHARACTER	1	PRDFLG1	Flag byte
		1..		PRDME	"BIT0" ESAME mode
		.1..		PRDVGPRF	"BIT1" 64-bit SVC Dump regs on entry
		.1..		PRDMESET	"BIT1" For SADMP, on if dump was taken by a level of SADMP which sets PRDME
		..1.		PRDLGPRF	"BIT2" 64-bit SLIP regs on entry
		...1		PRDMGPRF	"BIT3" 64-bit SYSMDUMP regs at error
5	(5)	CHARACTER	1		RESERVED
6	(6)	CHARACTER	10	PRDERRID	ERRORID ASSOCIATED WITH DUMP
16	(10)	CHARACTER	44	PRDDSNAM	DSN TO WHICH DUMP WAS TAKEN
60	(3C)	CHARACTER	18	PRDXM (0)	CROSS MEMORY STATUS INFO WHEN SDUMP WAS INVOKED
60	(3C)	CHARACTER	4	PRDCML	ASCB ADDRESS OF CML ASID
64	(40)	CHARACTER	8	PRDXMPSW	PSW WHEN SDUMP WAS INVOKED
72	(48)	SIGNED	2	PRDPASID	PRIMARY ASID
74	(4A)	SIGNED	2	PRDSASID	SECONDARY ASID
76	(4C)	SIGNED	2	PRDHASID	HOME ASID
78	(4E)	SIGNED	2	PRDWASID	SDWA OWNERS ASID
80	(50)	SIGNED	4	PRDSADDR	ADDRESS WHERE SDWA EXISTED
84	(54)	SIGNED	4	PRDTTCH (0)	POINTER TO TRACE TABLE CONTROL HDR
84	(54)	SIGNED	4	PRDPSAAD	If non-zero, the absolute address of an MVS PSA which SADMP used to locate other MVS control blocks.
88	(58)	SIGNED	2	PRDSDPO	OFFSET OF SVC DUMP PARM LIST
90	(5A)	SIGNED	2	PRDSDPL	LENGTH OF SVC DUMP PARM LIST
92	(5C)	SIGNED	2	PRDSDOPO	OFFSET OF SDUMP OPTIONS LIST
94	(5E)	SIGNED	2	PRDSDOPL	LENGTH OF SDUMP OPTIONS LIST
96	(60)	SIGNED	4	PRDTCB	POINTER TO TCB OF TASK WHICH REQUESTED THE DUMP
100	(64)	CHARACTER	3	PRDDIDCO	DUMP ID USED FOR MESSAGES AND TO IDENTIFY THE DUMP TO THE OPERATOR
103	(67)	CHARACTER	1		RESERVED
104	(68)	CHARACTER	428	PRDCPUST (0)	CPU STATUS SECTION
104	(68)	CHARACTER	428	PRDREGS (0)	REGISTERS
104	(68)	CHARACTER	32		Unused
136	(88)	CHARACTER	64	PRDGPR	GPR'S UPON ENTERING SDUMP
200	(C8)	CHARACTER	64	PRDCR	Used only in special IPCS code
264	(108)	CHARACTER	8	PRDPSW	CALLERS PSW BEFORE SDUMP
272	(110)	CHARACTER	64	PRDAR	ACCESS REGS UPON ENTERING SDUMP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
336	(150)	CHARACTER	128	PRDFPR	FPR'S UPON ENTERING SDUMP
464	(1D0)	CHARACTER	4	PRDFPCR	FPCR
468	(1D4)	CHARACTER	4		RESERVED
472	(1D8)	SIGNED	4	(0)	
472	(1D8)	CHARACTER	64	PRDG64H	G64H UPON ENTERING SDUMP
536	(218)	CHARACTER	128	PRDC64S	ESAME CRs at SDUMP entry
664	(298)	SIGNED	4	PRDCSA	START OF COMMON STORAGE
668	(29C)	SIGNED	4	PRDEPVT	END OF COMMON STORAGE
672	(2A0)	CHARACTER	8	PRDHJOBN	PRDHASID JOBNAME
680	(2A8)	CHARACTER	8	PRDHVSS	START OF HIGH VIRTUAL SHARED AREA
688	(2B0)	CHARACTER	8	PRDHVHP	START OF HIGH VIRTUAL HIGH PRIVATE AREA
696	(2B8)	CHARACTER	8	PRDHVCO	High Virtual Common Origin
704	(2C0)	SIGNED	4	PRDTTCH2	Pointer to the trace table control header of the SNAPTRC which was issued by SDUMP when the system is reset to dispatchable prematurely

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSDPM	, SDUMP PARM LIST IN BITS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSDOPS	, SDUMP OPTIONS IN BITS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSLIP	,
0	(0)	CHARACTER	8	PRDSLPSW	PSW WHEN SLIP WAS ENTERED
8	(8)	CHARACTER	8		Was PRDSLPC3/C4
16	(10)	CHARACTER	64	PRDSLGPR	GPR'S WHEN SLIP WAS ENTERED
80	(50)	CHARACTER	64	PRDSLAR	ACCESS REGISTERS WHEN SLIP WAS ENTERED
144	(90)	CHARACTER	64	(0)	Was PRDSLCL
144	(90)	DBL WORD	8	PRDSLPC3	CONTROL REG 3
152	(98)	DBL WORD	8	PRDSLPC4	CONTROL REG 4
160	(A0)	CHARACTER	16	PRDSLP16	16-byte PSW
176	(B0)	CHARACTER	32		Reserved
208	(D0)	CHARACTER	64	PRDSL6H	High halves of GPRs when SLIP was entered
272	(110)	CHARACTER	128	PRDSLC64	ESAME CRs when SLIP WAS ENTERED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSYSMD	,
0	(0)	CHARACTER	4	PRDSMABD	ABEND CODE FOR THE ERROR
4	(4)	CHARACTER	8	PRDSMPSW	PSW AT ENTRY TO ABEND
12	(C)	CHARACTER	8	PRDSMLMN	NAME OF ACTIVE LOAD MODULE AT TIME OF ERROR
20	(14)	SIGNED	4	PRDSMLMA	@ OF ACTIVE LOAD MODULE
24	(18)	SIGNED	4	PRDSMLMO	OFFSET INTO ACTIVE LOAD MODULE POINTED TO BY PSW
28	(1C)	CHARACTER	12	PRDSMPDA	DATA AT PSW @ (6+ 6-)
40	(28)	CHARACTER	64	PRDSMGPR	GPR'S AT TIME OF ERROR
104	(68)	CHARACTER	4	PRDSMRSN	REASON CODE FOR THE ERROR
108	(6C)	CHARACTER	64	PRDSMAR	AR'S AT TIME OF ERROR
172	(AC)	CHARACTER	48		Unused
220	(DC)	CHARACTER	16	PRDSMP16	PSW AT ENTRY TO ABEND
236	(EC)	CHARACTER	64	PRDSMG6H	High halves of GPRs at time of error
300	(12C)	CHARACTER	128	PRDSMC64	ESAME CRs

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINTKD	,
0	(0)	CHARACTER	32	PRDINTKN	Incident token

AMDDATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	
64	(40)	SIGNED	4	PRDCPURC (0)	
64	(40)	CHARACTER	4096	PRDSTATS (0)	STORE STATUS DATA.
64	(40)	CHARACTER	212		PAD.
276	(114)	ADDRESS	4	PRDXADDR	EXTENDED-SAVE-AREA ADDRESS
280	(118)	CHARACTER	296	PRDSTST (0)	STORE STATUS DATA
280	(118)	CHARACTER	40	PRDSTST1 (0)	
280	(118)	CHARACTER	8	PRDTIMER	CPU TIMER.
288	(120)	CHARACTER	8	PRDCLKCP	CPU CLOCK COMPARATOR.
296	(128)	CHARACTER	24		PAD.
320	(140)	CHARACTER	256	PRDSTST2 (0)	
320	(140)	CHARACTER	8	PRDPSW2	CURRENT PSW.
328	(148)	SIGNED	4	PRDPSA	PREFIX VALUE.
332	(14C)	CHARACTER	4	PRDMDF	MODEL DEPENDENT FIELD.
336	(150)	CHARACTER	4	PRDSIGPS	SENSE INFORMATION RETURNED WHEN THE SIGP STOP AND STORE STATUS ORDER IN AMDSADIP FAILED
340	(154)	CHARACTER	4	PRDSIGP2	STATUS INFORMATION RETURNED WHEN THE SIGP STOP AND STORE STATUS ORDER IN AMDSACPU FAILED
344	(158)	CHARACTER	8		PAD.
352	(160)	CHARACTER	64	PRDARSA (0)	ACCESS REGISTERS SAVE AREA
352	(160)	CHARACTER	4	PRDAREGS (16)	ACCESS REGISTERS 0-15.
416	(1A0)	CHARACTER	32	PRDFPRSA (0)	FLOATING POINT REGISTERS SAVE AREA
416	(1A0)	CHARACTER	8	PRDFLPT (4)	FLOATING POINT REGISTERS 0,2,4,6
448	(1C0)	CHARACTER	64	PRDGPRSA (0)	GENERAL PURPOSE REGISTERS SAVE AREA
448	(1C0)	CHARACTER	4	PRDGREGS (16)	GENERAL PURPOSE REGISTERS 0-15.
512	(200)	CHARACTER	64	PRDCRSA (0)	CONTROL REGISTERS SAVE AREA
512	(200)	CHARACTER	4	PRDCTL (16)	CONTROL REGISTERS 0-15.
576	(240)	CHARACTER	256	PRDSTSTX (0)	EXTENDED STATUS DATA.
576	(240)	CHARACTER	16		PAD.
592	(250)	CHARACTER	4	PRDFPCTL	FLOATING POINT CONTROL.
596	(254)	CHARACTER	108		PAD.
704	(2C0)	CHARACTER	128	PRDFPRSX (0)	FLOATING POINT REGISTER SAVE AREA (EXTENDED)
704	(2C0)	CHARACTER	8	PRDFLPTX (16)	FLOATING POINT REGISTERS 0-15.
832	(340)	CHARACTER	3328		PAD.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	
64	(40)	CHARACTER	4096	PRXSTATS (0)	ESAME STORE STATUS DATA.
64	(40)	CHARACTER	448		PAD.
512	(200)	CHARACTER	64	(0)	Reserved for programming
512	(200)	CHARACTER	16	PRXRELPSW	Related PSW
528	(210)	BITSTRING	1	PRXFLAGS	Flags
		1...		PRXRELPSWVALID	"X'80" PrxRelPsw contains a PSW
		.1..		PRXPSWFROMLSCA	"X'40" 0 - PrxPsw is from store status, and PrxRelPsw is from LSCA. 1- PrxPsw is from LSCA, and PrxRelPsw is from store status. SADMP puts what it thinks is the more relevant PSW into PrxPsw.
529	(211)	CHARACTER	47		Reserved
576	(240)	CHARACTER	512	PRXSTST (0)	
576	(240)	CHARACTER	256	PRXSTST1 (0)	
576	(240)	CHARACTER	128	PRXFPRSA (0)	FLOATING POINT REGISTER SAVE AREA.
576	(240)	CHARACTER	8	PRXFLPTR (16)	FLOATING POINT REGISTERS 0-15.
704	(2C0)	CHARACTER	128	PRXGPRSA (0)	GENERAL PURPOSE REGISTERS SAVE AREA.
704	(2C0)	CHARACTER	8	PRXGREGS (16)	GENERAL PURPOSE REGISTERS 0-15.
832	(340)	CHARACTER	256	PRXSTST2 (0)	
832	(340)	CHARACTER	16	PRXPSW	CURRENT PSW.
848	(350)	CHARACTER	1	PRXARCID	ARCHITECTURE ID.
		.... ...1		PRXESAME	"X'01"
849	(351)	CHARACTER	3		PAD.
852	(354)	CHARACTER	4	PRXSIGPS	SIGP SENSE INFORMATION.
856	(358)	CHARACTER	4	PRXPSA	PREFIX VALUE.
860	(35C)	CHARACTER	4	PRXFPCTL	FLOATING POINT CONTROL.
864	(360)	CHARACTER	8	PRXTIMER	CPU TIMER.
872	(368)	CHARACTER	8	PRXCLKCP	CPU CLOCK COMPARATOR.
880	(370)	CHARACTER	16		PAD.
896	(380)	CHARACTER	64	PRXARSA (0)	ACCESS REGISTER SAVE AREA.
896	(380)	CHARACTER	4	PRXAREGS (16)	ACCESS REGISTERS 0-15.
960	(3C0)	CHARACTER	128	PRXCRSA (0)	CONTROL REGISTERS SAVE AREA.
960	(3C0)	CHARACTER	8	PRXCTL (16)	CONTROL REGISTERS 0-15.
1088	(440)	CHARACTER	512	PRXZ1	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1600	(640)	CHARACTER	2560		PAD.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IATB	INSTRUCTION ADDRESS TRACE BUFFER.
0	(0)	CHARACTER	160	IATBFRN (0)	FRONT DATA.
0	(0)	CHARACTER	6	IATBTM1	BYTES 0-5 OF THE TOD CLOCK ASSOCIATED WITH THE SPECIFIED CPU WHEN THE TRACE WAS LAST ACTIVATED.
6	(6)	CHARACTER	2		RESERVED.
8	(8)	CHARACTER	8	IATBPSW (0)	PSW.
8	(8)	CHARACTER	4	IATBPSW1	PSW FIRST WORD.
12	(C)	CHARACTER	4	IATBPSW2	PSW SECOND WORD.
16	(10)	CHARACTER	4	IATBGPR (16)	GENERAL PURPOSE REGISTERS 0-15.
80	(50)	CHARACTER	4	IATBCR (16)	CONTROL REGISTERS 0-15.
144	(90)	CHARACTER	6		RESERVED - ZEROS.
150	(96)	CHARACTER	1	IATBTFM	TIMESTAMP FORMAT ('02'X).
151	(97)	CHARACTER	1		RESERVED - ZERO.
152	(98)	CHARACTER	2	IATBICN	NUMBER OF INSTRUCTION ADDRESS TRACE ENTRIES RECORDED.
154	(9A)	CHARACTER	6		RESERVED.
160	(A0)	CHARACTER	4	IATBCTR (214)	INSTRUCTION ADDRESS TRACE ENTRIES (MAXIMUM NUMBER OF ENTRIES IS 982, EACH ENTRY IS FOUR BYTES LONG).

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

Comment

PRINT DUMP SYMPTOM AREA FORMAT
 THIS AREA IS DEFINED ON PRDSR WHICH BEGINS 2048 INTO THE HEADER RECORD BUILT BY SDUMP. THERE IS A REQUIREMENT THAT THE SYMPTOM STRING HEADER RECORD BEGIN AT THAT OFFSET.

End of Comment

2112	(840)	CHARACTER	2048	PRDSR (0)	PRINT DUMP SYMPTOM RECORD AREA
2112	(840)	CHARACTER	2	SR	'SR' SYMPTOM AREA ID
2112	(840)	X'E2D9'	0	SRECID	"C'SR" 'SR' IDENTIFIER
2114	(842)	CHARACTER	40		RESERVED FOR FUTURE USE
2154	(86A)	CHARACTER	9	SRID	SYSTEM IDENTIFIER (DERIVED FROM FESN SYSTEM IDENTIFIER) OS/V52(MVS) C'5752 '
2163	(873)	CHARACTER	5		RESERVED FOR FUTURE USE
2168	(878)	CHARACTER	8	SRDTYPE	TYPE OF DUMP, SUCH AS C'SVC DUMP'
2176	(880)	CHARACTER	8		RESERVED FOR FUTURE USE
2184	(888)	SIGNED	2	SRSLEN	LENGTH OF BASIC SYSTEM STRING IN SYSTEM DATA BASE (SDB) FORMAT FOR APARS
2186	(88A)	SIGNED	2	SRSOFF	OFFSET TO BASIC SYMPTOM STRING
2188	(88C)	SIGNED	2	SROLEN1	LENGTH OF OPTIONAL SYMPTOM STRING IN SDB FMT
2190	(88E)	SIGNED	2	SROFF1	OFFSET TO OPTIONAL SYMPTOM STRING IN SDB FORMAT
2192	(890)	SIGNED	2	SROLEN2	LENGTH OF OPTIONAL SYMPTOM STRING 2, MAY OR MAY NOT BE IN SDB FORMAT. MAY BE CLUES THAT ARE NOT REPEATABLE, SO THEY MAY NOT BE USEFUL FOR DUPLICATE PROBLEM RECOGNITION
2194	(892)	SIGNED	2	SROFF2	OFFSET TO OPTIONAL SYMPTOM STRING 2
2196	(894)	SIGNED	2	SRLNCS	LENGTH OF COMPONENT SYMPTOM AREA. ZERO IF NOT SUPPLIED.
2198	(896)	SIGNED	2	SROFFCS	OFFSET TO COMPONENT SYMPTOM AREA. ZERO IF NOT IN SYMPTOM AREA. SRADDRCS CAN BE SUPPLIED IF THIS FIELD IS ZERO.
2200	(898)	SIGNED	4	SRADDRCS	VIRTUAL ADDRESS OF COMPONENT SYMPTOM AREA
2204	(89C)	CHARACTER	4	SRASID	SYSTEM DEPENDENT FIELD (ASID FOR MVS)
2208	(8A0)	CHARACTER	16		RESERVED FOR FUTURE USE
2224	(8B0)	SIGNED	4	SRHDEND (0)	END OF HEADER RECORD
2224	(8B0)	CHARACTER	112	SRBASIC (0)	BASIC SYMPTOM STRING
2224	(8B0)	CHARACTER	8	SRABD	ABEND CODE IN SDB FORMAT EX. AB/SC0D
2232	(8B8)	CHARACTER	16	SRRC	REASON CODE (IF EXISTS) EX. PRCS/1C08
2248	(8C8)	CHARACTER	16	SRECID	COMPONENT ID EX. PIDS/5752SC1C3
2264	(8D8)	CHARACTER	16	SRLM	LOAD MODULE NAME EX. RIDS/IECIOSAM#L
2280	(8E8)	CHARACTER	16	SRCSECT	CSECT NAME EX. RIDS/IECIOSCS
2296	(8F8)	CHARACTER	16	SRFR	RECOVERY ROUTINE NAME EX. RIDS/IECIOFR#R
2312	(908)	CHARACTER	24	SREGPSW	REGISTER/PSW DIFFERENCES EX. REGS/0C01B REGS/FFFF
2336	(920)	SIGNED	4	SRBASEND (0)	END OF BASIC SYMPTOM STRING
2336	(920)	CHARACTER	1	SROPT1 (0)	OPTIONAL STRING 1 STRING - SDB FMT
2336	(920)	SIGNED	4	SROPT1END (0)	END OF OPTIONAL STRING 1

AMDDATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2336	(920)	CHARACTER	84	SROPT2 (0)	OPTIONAL STRING 2 STRING 2 - NON-SDB
2336	(920)	CHARACTER	16	SRPGM	ABENDING PROGRAM NAME EX. PGM=IEFBR14
2352	(930)	CHARACTER	24	SRLVL	ASSEMBLY MODULE LEVEL EX. MODLVL=09/10/80UZ19271
2376	(948)	CHARACTER	28	SRSC	COMPONENT/SUBCOMPONENT/ SUBFUNCTION DESCRIPTION EX. SC=IOS-EXCP
2404	(964)	CHARACTER	16	SRRRL	RECOVERY ROUTINE LABEL EX. RRL=ESTAERTN
2420	(974)	SIGNED	4	SROP2END (0)	END OF OPTIONAL STRING 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSSRCRS	PRIMARY SYMPTOM STRING, RETAIN X FORMAT
0	(0)	CHARACTER	150	RETANPSS	RETAIN FORMAT PRIMARY SYMPTOM STRING. THIS MUST END WITH AT LEAST ONE BLANK.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSSRCSS	SECONDARY SYMPTOM STRING
0	(0)	CHARACTER	1	RETANSSS (0)	RETAIN FORMAT SECONDARY SYMPTOM STRING. THIS MUST END WITH AT LEAST ONE BLANK.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSSRNSD	OPTIONAL SYMPTOM DATA, NONRETAIN FORMAT
0	(0)	CHARACTER	291	ADSSDAE (0)	DUMP ANALYSIS AND ELIMINATION (DAE) SECTION
0	(0)	CHARACTER	2	DAESSHDR (0)	HEADER TO MVS FORMAT SYMPTOM STRING
0	(0)	CHARACTER	1	DAESSHT	DATA TYPE. 'F0'X FOR PRINTABLE
1	(1)	SIGNED	1	DAESSHL	DATA LENGTH EQUAL TO LENGTH(DAESSMVS)
2	(2)	CHARACTER	150	DAESSMVS	MVS FORMAT SYMPTOM STRING
152	(98)	CHARACTER	2	DAENSHDR (0)	HEADER TO NONSYMPTOM STRING DATA
152	(98)	CHARACTER	1	DAENSHL	DATA TYPE. 'FF'X FOR NONPRINTABLE
153	(99)	BITSTRING	1	DAENSHL	DATA LENGTH EQUAL TO LENGTH(DAEDATA)
154	(9A)	CHARACTER	137	DAEDATA (0)	NONSYMPTOM STRING DATA
154	(9A)	CHARACTER	4	DAELVL	DAE LEVEL WHICH CREATED THIS DATA. (ACRONYM AND VERSION NUMBER FROM ADYDFLM).
158	(9E)	CHARACTER	84	DAECRIT (0)	CRITERIA FOR SYMPTOM STRING TO BE CONSIDERED AS A UNIQUE IDENTIFIER BY DAE
158	(9E)	SIGNED	2	DAEMINC	MINIMUM NUMBER OF SYMPTOMS IN THE SYMPTOM STRING FOR IT TO BE CONSIDERED UNIQUE.
160	(A0)	SIGNED	2	DAEMINL	MINIMUM LENGTH OF THE SYMPTOM STRING TO BE CONSIDERED UNIQUE.
162	(A2)	CHARACTER	40	DAEREQ	KEYS REQUIRED FOR MATCHING
202	(CA)	CHARACTER	40	DAEOPT	KEYS WHICH ARE OPTIONAL
242	(F2)	CHARACTER	4	DAESSACT (0)	ACTUAL VALUES USED TO DETERMINE IF THE SYMPTOM STRING MAY BE CONSIDERED UNIQUE.
242	(F2)	SIGNED	2	DAESLN	ACTUAL NUMBER OF BYTES OF UNIQUE.
244	(F4)	SIGNED	2	DAESCNT	ACTUAL COUNT OF THE NUMBER OF SYMPTOM STRINGS TO BE CONSIDERED UNIQUE.
246	(F6)	CHARACTER	8	DAESTAT	ADYDSTAT
254	(FE)	CHARACTER	6		RESERVED FOR EXPANSION OF DAESTAT
260	(104)	CHARACTER	21	DAEORIG (0)	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM
260	(104)	CHARACTER	10	DAEERID (0)	ERROR ID
260	(104)	SIGNED	2	DAEERSEQ	ERROR ID SEQUENCE NUMBER
262	(106)	SIGNED	2	DAEERCPU	ERROR ID CPU ID
264	(108)	SIGNED	2	DAEERAS	ERROR ID ADDRESS SPACE ID
266	(10A)	SIGNED	4	DAETIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
270	(10E)		4	DAEDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
274	(112)	CHARACTER	6	DAECPUO	CPUID FROM STIDP INSTRUCTION
280	(118)	BITSTRING	1	DAEFLG	FLAGS
		1...		DAESVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1.		DAESYSMD	"BIT1" A SYSMDUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		DAETRUM	"BIT2" ORIGINAL MVS SYMPTOM STRING WAS TRUNCATED
		...1		DAERCDA	"BIT3" Entry was recorded because of RECORDALL
281	(119)	CHARACTER	10	DAECURR (0)	IDENTIFICATION OF THE CURRENT PROBLEM
281	(119)	SIGNED	4	DAEDTIM	TIME OF CURRENT PROBLEM (BINARY NUMBER, TENTHS OF A SECOND SINCE MIDNIGHT)
285	(11D)		4	DAEDDAT	DATE OF CURRENT PROBLEM (PACKED DECIMAL JULIAN-00YYDDDF)
289	(121)	SIGNED	2	DAEDCNT	NUMBER OF OCCURRENCES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
291	(123)	CHARACTER	8	DAESNAMO	SYSNAME - ORIGINAL
299	(12B)	CHARACTER	8	DAESNAML	SYSNAME - LAST OCCUR
Comment					
CONSTANT VALUES FOR VARIABLE DATA AREAS					
End of Comment					
		1111 1111		ADSSTPNP	"X'FF'" DATA TYPE IS NOT PRINTABLE
		1111		ADSSTPPR	"X'F0'" DATA TYPE IS PRINTABLE
299	(12B)	X'F'	0	SRSYML	"15" SYMPTOM MAXIMUM LENGTH

AMDDATA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADSSDAE	0		IATBPSW	8	
ADSSRCRS	0		IATBPSW1	8	
ADSSRCSS	0		IATBPSW2	C	
ADSSRNSD	0		IATBTFM	96	
ADSSTPNP	12B	FF	IATBTM1	0	
ADSSTPPR	12B	F0	PRD	0	
BIT0	0	80	PRDAAF	2A	40
BIT1	0	40	PRDAAP	2C	
BIT2	0	20	PRDADSS0	142	
BIT3	0	10	PRDAR	110	
BIT4	0	8	PRDAREGS	160	
BIT5	0	4	PRDARSA	160	
BIT6	0	2	PRDAS	4	
BIT7	0	1	PRDASC	C	
DAECPUO	112		PRDASH	6	0
DAECRIT	9E		PRDAST	4	
DAECURR	119		PRDASTE	2C	
DAEDATA	9A		PRDAS0	4	
DAEDATE	10E		PRDAS1	8	
DAEDCNT	121		PRDAS2	C	
DAEDDAT	11D		PRDAS3	10	0
DAEDTIM	119		PRDAS9	14	
DAEERAS	108		PRDBFP	24	10
DAEERCPU	106		PRDBFPH	24	4
DAEERID	104		PRDBFPV	24	8
DAEERSEQ	104		PRDBLSDP	24	5
DAEFLG	118		PRDCID	178	
DAELVL	9A		PRDCLKCP	120	
DAEMINC	9E		PRDCML	3C	
DAEMINL	A0		PRDCOMM	2A	80
DAENSHDR	98		PRDCPU	50	
DAENSHL	99		PRDCPURC	40	
DAENSHT	98		PRDCPUST	68	
DAEOPT	CA		PRDCR	C8	
DAEORIG	104		PRDCRSA	200	
DAERCDA	118	10	PRDCSA	298	
DAEREQ	A2		PRDCTL	200	
DAESCNT	F4		PRDCVT	0	
DAESLN	F2		PRDC64S	218	
DAESNAML	12B		PRDDATA	40	
DAESNAMO	123		PRDDIDCO	64	
DAESSACT	F2		PRDDSNAM	10	
DAESSHDR	0		PRDDSPB	BC	
DAESSHL	1		PRDDSPPE	C4	
DAESSHT	0		PRDDUMPT	24	
DAESSMVS	2		PRDEPVT	29C	
DAESTAT	F6		PRDERRID	6	
DAESVCD	118	80	PRDESAME	24	1
DAESYSMD	118	40	PRDFLAGS	24	
DAETIME	10A		PRDFLG1	4	
DAETRUM	118	20	PRDFLPT	1A0	
IATB	0		PRDFLPTX	2C0	
IATBCR	50		PRDFPCR	1D0	
IATBCTR	A0		PRDFPCTL	250	
IATBFRN	0		PRDFPR	150	
IATBGPR	10		PRDFPRSA	1A0	
IATBICN	98		PRDFPRSX	2C0	

AMDDATA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PRDGPR	88		PRDSDWAO	174	
PRDGPRSA	1C0		PRDSEQ	18	0
PRDGPRVL	24	20	PRDSHARE	2A	20
PRDREGS	1C0		PRDSIGPF	24	40
PRDG64H	1D8		PRDSIGPS	150	
PRDHASID	4C		PRDSIGP2	154	
PRDHJOB	2A0		PRDSIZ	0	40
PRDHVCO	2B8		PRDSLAR	50	
PRDHVHP	2B0		PRDSL64	110	
PRDHVSS	2A8		PRDSLGR	10	
PRDID	0		PRDSL6H	D0	
PRDIDC	0	C4D9	PRDSLIP	0	
PRDIDCV	0	C4D9	PRDSLIPL	16E	
PRDIDV	2	F1	PRDSLIP0	16C	
PRDIDV31	2	F1	PRDSLPC3	90	
PRDIDV64	2	F2	PRDSLPC4	98	
PRDINPUT	0		PRDSLDP	24	4
PRDINPUT	0		PRDSLPSW	0	
PRDINPUT	0		PRDSL16	A0	
PRDINPUT	0		PRDSMABD	0	
PRDINPUT	0		PRDSMAR	6C	
PRDINTKD	0		PRDSMC64	12C	
PRDINTKN	0		PRDSMDP	24	3
PRDINTKO	1AA		PRDSMGPR	28	
PRDKEY	24		PRDSMG6H	EC	
PRDKEYA	24	F0	PRDSMLMA	14	
PRDKEYC	24	2	PRDSMLMN	C	
PRDKEYF	24	8	PRDSMLMO	18	
PRDKEYQ	24	FF	PRDSMPDA	1C	
PRDKEYR	24	4	PRDSMPSW	4	
PRDKEYU	24	6	PRDSMPSW16	DC	
PRDLAD	14		PRDSMRSN	68	
PRDLEN	3		PRDSNAME	CC	
PRDLGPRF	4	20	PRDSR	840	
PRDMDF	14C		PRDSSINV	24	80
PRDME	4	80	PRDSTATS	40	
PRDMESET	4	40	PRDSTOKN	30	
PRDMGPRF	4	10	PRDSTST	118	
PRDMODNM	40		PRDSTSTX	240	
PRDOFSET	168		PRDSTST1	118	
PRDPASID	48		PRDSTST2	140	
PRDPCPU@	56		PRDSTYP	2A	
PRDPMODL	54		PRDSVCDP	24	2
PRDPREF	0		PRDSYSMD	0	
PRDPRODD	10A		PRDSYSML	172	
PRDPRODM	108		PRDSYSMO	170	
PRDPRODN	F4		PRDTCB	60	
PRDPRODR	106		PRDTIMER	118	
PRDPRODV	104		PRDTITLE	58	
PRDPSA	148		PRDTODVL	48	
PRDPSAAD	54		PRDTTCH	54	
PRDPSERL	51		PRDTTCH2	2C0	
PRDPSW	108		PRDTYPD	24	0
PRDPSW16	154		PRDTYPS	2A	
PRDPSW2	140		PRDVGPRF	4	40
PRDPVRSN	50		PRDWASID	4E	
PRDREGS	68		PRDXADDR	114	
PRDSADDR	50		PRDXM	3C	
PRDSADP	24	1	PRDXMPSW	40	
PRDSASID	4A		PRDXMP16	144	
PRDSDBLK	F0		PRDZARCH	24	1
PRSDSDFWD	164		PRDZ1V	24	2
PRSDSMPL	16A		PRD64	0	
PRSDSMPO	168		PRD64AAF	2A	40
PRSDSOPL	5E		PRD64AAP	2C	
PRSDSOPO	5C		PRD64AS	4	
PRSDSOPS	0		PRD64ASC	C	
PRSDSPL	5A		PRD64ASH	6	0
PRSDSPM	0		PRD64AST	4	
PRSDSPO	58		PRD64AS0	4	
PRSDSRSN	E0		PRD64AS1	8	
PRSDSDM	0		PRD64AS2	C	
PRSDSDWA	0		PRD64AS3	10	0
PRSDSDWAL	176		PRD64AS9	14	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PRD64BFP	24	10	PRXCTL	3C0	
PRD64BFPH	24	4	PRXESAME	350	1
PRD64BFPV	24	8	PRXFLAGS	210	
PRD64BLSDP	24	5	PRXFLPTR	240	
PRD64COMM	2A	80	PRXFPCTL	35C	
PRD64DUMPT	24		PRXFPRSA	240	
PRD64ESAME	24	1	PRXGPRSA	2C0	
PRD64FLAGS	24		PRXGREGS	2C0	
PRD64GPRVL	24	20	PRXPSA	358	
PRD64ID	0		PRXPSW	340	
PRD64IDC	0	C4D9	PRXPSWFROMLSCA		
PRD64IDCV	0	C4D9		210	40
PRD64IDV	2	F2	PRXRELPSW	200	
PRD64IDV31	2	F1	PRXRELPSWVALID		
PRD64IDV64	2	F2		210	80
PRD64KEY	24		PRXSIGPS	354	
PRD64KEYA	24	F0	PRXSTATS	40	
PRD64KEYC	24	2	PRXSTST	240	
PRD64KEYF	24	8	PRXSTST1	240	
PRD64KEYQ	24	FF	PRXSTST2	340	
PRD64KEYR	24	4	PRXTIMER	360	
PRD64KEYU	24	6	PRXZ1	440	
PRD64LAD	14	0	RETANPSS	0	
PRD64LEN	3		RETANSSS	0	
PRD64PHASE	23		SR	840	
PRD64PHASESADMPA			SRABD	8B0	
	23	1	SRADDRCS	898	
PRD64PHASESADMPB			SRASID	89C	
	23	2	SRBASEND	920	
PRD64PHASESADMPC			SRBASIC	8B0	
	23	3	SRCID	8C8	
PRD64PHASESADMPIN			SRCSECT	8E8	
	23	7	SRDTYPE	878	
PRD64PHASESADMPMINI			SRECID	840	E2D9
	23	5	SREGPSW	908	
PRD64PHASESADMPMINO			SRFRR	8F8	
	23	9	SRHDEND	8B0	
PRD64PHASESADMPPAGED			SRID	86A	
	23	B	SRLNCS	894	
PRD64PHASESADMPPFT			SRLM	8D8	
	23	4	SRLVL	930	
PRD64PHASESADMPPRSRV			SROFFCS	896	
	23	D	SROFF1	88E	
PRD64PHASESADMPPSUMI			SROFF2	892	
	23	6	SROLEN1	88C	
PRD64PHASESADMPPSUMO			SROLEN2	890	
	23	A	SROPT1	920	
PRD64PHASESADMPPSWAP			SROPT2	920	
	23	C	SROP1END	920	
PRD64PHASESADMPPUSED			SROP2END	974	
	23	8	SRPGM	920	
PRD64PHASE0	23	0	SRRR	8B8	
PRD64PHS	20		SRRRL	964	
PRD64SADP	24	1	SRSC	948	
PRD64SEQ	1C	0	SRSLEN	888	
PRD64SHARE	2A	20	SRSOFF	88A	
PRD64SIGPF	24	40	SRSYMLL	12B	F
PRD64SIZ	0	40	ZZZASTA	4	C140
PRD64SLPDP	24	4	ZZZASTBL	4	C2D3
PRD64SMDP	24	3	ZZZASTBS	4	C2E2
PRD64SSINV	24	80	ZZZASTBT	4	C2E3
PRD64STYP	2A		ZZZASTC	4	C340
PRD64SVCDP	24	2	ZZZASTCE	4	C3C5
PRD64TYPD	24	0	ZZZASTCR	4	C3D9
PRD64TYPS	2A		ZZZASTCT	4	C3E3
PRD64ZARCH	24	1	ZZZASTCV	4	C3E5
PRD64Z1V	24	2	ZZZASTDS	4	C4E2
PRD64999	40		ZZZASTH	4	C840
PRD999	40		ZZZASTLI	4	D3C9
PRXARCID	350		ZZZASTNO	4	4040
PRXAREGS	380		ZZZASTSB	4	E2C2
PRXARSA	380		ZZZASTSC	4	E2C3
PRXCLKCP	368		ZZZASTSD	4	E2C4
PRXCRSA	3C0		ZZZASTSS	4	E2E2

AMDDATA Cross Reference

Name	Hex Offset	Hex Value
ZZZASTSV	4	E2E5

AQAT Information

AQAT Heading Information

Common Name: VSM Address Queue Anchor Table
Macro ID: IHAAQAT
DSECT Name: AQAT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 255
 Key: 0
 Residency: Above 16M line
Size: AQATITBL is 1024 bytes; AQAT is 772 bytes
Created by: IGVGCAS, IEAIPL04, IGVAAQAT
Pointed to by: LDAAQAT, LDAAEQAT, GDAAQAT5, GDAAEQT5, GDAAQAT6, GDAAQAT9, and GDAAEQT9
Serialization: VSMFIX or LOCAL lock
Function: Array of queue headers into the SQA and LSQA address queues for allocation of virtual storage.

AQAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	AQATITBL (255:2097152)	AQAT INDEX TABLE
0	(0)	ADDRESS	4	AQATINDX	ADDRESS OF AQAT TABLE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	772	AQAT	ADDRESS QUEUE ANCHOR TABLE
0	(0)	CHARACTER	4	AQATID	CONTROL BLOCK IDENTIFIER
4	(4)	CHARACTER	6	AQATNTRY (127:0)	BEGINNING OF QUEUE HEADER ENTRIES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	6	AQATENT	ADDRESS QUEUE ANCHOR TABLE ENTRY
0	(0)	ADDRESS	4	AQATDFE	ADDRESS OF THE FIRST DFE WHOSE FREE SPACE ADDRESS IS WITHIN THE AQAT ENTRY BOUNDS
4	(4)	BITSTRING	2	AQATALOC	PAGE ALLOCATION BIT MAP

AQST Information

AQST Heading Information

Common Name: Address Queue anchor table Stack
Macro ID: IGVAQST
DSECT Name: AQST
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 255
 Key: 0
Size: 208K bytes
Created by: IEAIPL04, IGVGCAS, IGVAQAT
Pointed to by: LDAAQTAD, AQSTNEXT, AQSTPREV
Serialization: Local lock (for private area)
Function: Area in which AQATs are built.

AQST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	AQST	Address Queue Anchor (AQAT) stack.
0	(0)	CHARACTER	16	AQSTHEAD	AQAT stack header information.
0	(0)	CHARACTER	4	AQSTID	AQAT stack ID.
4	(4)	ADDRESS	4	AQSTNEXT	Address of next AQAT stack on the AQAT Q-Stack.
8	(8)	ADDRESS	4	AQSTPREV	Address of previous AQAT stack on the AQAT Q-Stack.
12	(C)	UNSIGNED	4	AQSTSIZE	Size of the AQAT stack in bytes.
16	(10)	CHARACTER	*	AQSTACK	AQAT stack proper.

ASASYMBP Information

ASASYMBP Programming Interface information

Programming Interface information

ASASYMBP

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ASASYMBP Heading Information • ASASYMBP Map

ASASYMBP Heading Information

Common Name: ASASYMBM parameter area and symbol table
Macro ID: ASASYMBP
DSECT Name: SYMBP SYMBT SYMBTE SYMBTH
Owning Component: MVS Reuse (SCASA)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied

Size: Variable
 SYMBP -- X'001C' bytes
 SYMBT -- X'0004' bytes
 + one SYMBTE for each symbol indicated by the SymbtNumberOfSymbols field.
 SYMBTE -- X'0010' bytes
 SYMBTH -- X'0008' bytes

Created by: Caller and provided as input to ASASYMBM

Pointed to by: Not applicable

Serialization: None required

Function: Maps the data provided to ASASYMBM.

A parameter area (SYMBP) is provided. Optionally, the parameter area can point to a symbol table (SYMBT) which consists of the SYMBT header plus SYMBTE entries (which immediately follow the header, or are pointed to by a field which immediately follows the header). The system symbol table pointed to by ECVTSYMT is preceded by an area mapped by the SYMBTH DSECT.

Return information is provided in the fullword pointed to by field SymbpReturnCode@. Possible values are:

0

Meaning: Successful Completion. All requested substitution was performed.

Action: None required.

4

Meaning: Warning. When Substring was specified, a substring that exceeded the bounds of the substitution text, or a substring in which the length was specified as 0, was found. Substitution continues.

Action: None required.

8

Meaning: Warning. Target buffer was too small to contain all of the substitution text.

Action: Specify a larger target buffer, or continue processing using the value returned in the fullword pointed to by field SymbpTargetLength@ to determine how much data was placed into the target buffer.

12

Meaning: Error. When CheckNull was specified, a substitution text length of 0 was encountered when performing substitution. Substitution continues.

Action: None required. The system informs the program of the situation in which it was interested. It is up to the program to determine the necessary course of action.

16

Meaning: Warning. When WarnNoSub was specified, the substitution process encountered no symbols for which to substitute. The substitution processing completed normally.

Action: None required.

ASASYMBP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYMBP	
0	(0)	ADDRESS	4	SYMBPPATTERN@	Address of input pattern containing symbols to be resolved
0	(0)	ADDRESS	4	SYMBPPATTERNADDR	Same as SymbpPattern@

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	SIGNED	4	SYMBPPATTERNLENGTH	Length of input pattern
8	(8)	ADDRESS	4	SYMBPTARGET@	Address of output target area. The target, for the length specified in the word pointed to by SymbpTargetLength@, is initialized to blanks before substitution processing begins.
8	(8)	ADDRESS	4	SYMBPTARGETADDR	Same as SymbpTarget@
12	(C)	ADDRESS	4	SYMBPTARGETLENGTH@	Address of input output fullword field containing length of target area. On input, it contains the length provided. On output, it contains the actual length of the target resulting from the symbolic substitution.
12	(C)	ADDRESS	4	SYMBPTARGETLENGTHADDR	Same as SymbpTargetLength
16	(10)	ADDRESS	4	SYMBPSYMBOLTABLE@	Address of symbol table mapped by SYMBT DSECT. If only the default set of symbols are wanted, and none of the functions indicated by the flags in SymbtFlags are needed, then this field should be 0.
16	(10)	ADDRESS	4	SYMBPSYMBOLTABLEADDR	Same as SymbpSymbolTable
20	(14)	ADDRESS	4	SYMBPTIMESTAMP@	Address of 8-character area containing the time stamp to use. If this field is hexadecimal zeroes, the system will obtain the current time stamp for use in evaluating symbolics related to time or date.
20	(14)	ADDRESS	4	SYMBPTIMESTAMPADDR	Same as SymbpTimeStamp@
24	(18)	SIGNED	4	SYMBPRETURNCODE@	Address of fullword which is to contain the return code
24	(18)	ADDRESS	4	SYMBPRETURNCODEADDR	Same as SymbpReturnCode
24	(18)	X'1C'	0	SYMBP_LEN	**SYMBP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SYMBT	Symbol table
0	(0)	CHARACTER	4	SYMBTHEADER	
0	(0)	BITSTRING	2	SYMBTFLAGS	
0	(0)	BITSTRING	1	SYMBTFLAG0	Byte 0 of SymbtFlags

Comment

Bit definitions:

End of Comment

1... ..	SYMBTNODEFAULTSYMBOLS	"X'80" Avoid using the default symbol set			
.1.. ..	SYMBTONLYSTATICSYMBOLS	"X'40" Allow only static symbols			
..1.	SYMBTTIMESTAMPISGMT	"X'20" The input timestamp is GMT-time, not Local. Note that the value from STCK or STCKSYNC is not GMT. It needs to be corrected by subtracting CVTLSO. This bit need not be set as it is the default. Do not also specify SymbtTimeStampsLocal or SymbtTimeStampsStck.			
...1	SYMBTTIMESTAMPISLOCAL	"X'10" The input timestamp is Local-Time, not GMT. Do not also specify SymbtTimeStampsGMT or SymbtTimeStampsStck.			
.... 1...	SYMBTWARNSUBSTRINGS	"X'08" When a substring problem is encountered, produce a warning return code. The substring is fixed irregardless.			
.... .1..	SYMBTCHECKNULLSUBTEXT	"X'04" The presence of null sub-text will be flagged via non-zero return code.			
.... ..1.	SYMBTPTRSAREOFFSETS	"X'02" The pointer fields within the user-provided symbol area are offsets. The processing code will add the offset and the symbol area address to get the actual address of the operand. Note that this does not apply to field SymbteSymbolAreaAddr - it is always a pointer. Note also that when bit SymbtIndirectSymbolArea is on, the symbol area address is the address contained in SymbteSymbolAreaAddr. When bit SymbtIndirectSymbolArea is off, the symbol area address is the address of SymbtTableEntries.			
.... ...1	SYMBTONLYDYNAMICSYMBOLS	"X'01" Allow only dynamic symbols. This should be used only when passing in as a user symbol table the static symbol table of another system.			
1	(1)	BITSTRING	1	SYMBTFLAG1	Byte 1 of SymbtFlags

ASASYMBP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Bit definitions:					
End of Comment					
		1...		SYMBTFLAG1RSV1	"X'80" Reserved. Must be zero. Do not use.
		.1..		SYMBTTIMESTAMPISSTCK	"X'40" The input timestamp is from the STCK instruction or the STCKSYNC service. Do not also specify SymbtTimeStampsGMT or SymbtTimeStampsLocal.
		..1.		SYMBTWARNNOSUB	"X'20" When no substitution at all has occurred, produce a warning return code.
		...1		SYMBTINDIRECTSYMBOLAREA	"X'10" Indicates that the symbol area is not contiguous but rather is pointed to by SymbteSymbolAreaAddr.
		.... 1..		SYMBTMIXEDCASESYMBOLS	"X'08" Indicates that the input may have non-uppercase symbols. The processing will obtain an additional area to copy the input pattern in order to make recognition of these symbols possible.
		.... .111		SYMBTFLAG1RSV3	"X'07" Unused. Must be zero.
2	(2)	SIGNED	2	SYMBTNUMBEROFSYMBOLS	Number of entries in symbol table. Can be 0.
4	(4)	CHARACTER	1	SYMBTTABLEENTRIES (0)	Symbol table entries. One for each indicated by the NumberOfSymbols field. Mapped by SYMBTE DSECT. Note that when SymbtIndirectSymbolArea is specified, this area consists only of field SymbteSymbolAreaAddr. In that case, it is the area pointed to by that pointer that is mapped by SYMBTE DSECT.

Comment

The static symbol table is pointed to by ECVTSYMT and is mapped by the SYMBT DSECT. In the 4-bytes preceding this table is a fullword which specifies the length of the contiguous area that follows which contains the table plus the symbol names plus the substitution text values.

End of Comment					
4	(4)	X'8'	0	SYMBTMAXSTATICSYMBOLLENGTH	"8" The max length of a static symbol, not counting the "&" and the "."
4	(4)	X'67'	0	SYMBTMAXSTATICENTRIESPREZOSR4	"103" The max number of full-sized entries. This provides for the 5 MVS-defined symbols plus 98 user-provided symbols
4	(4)	X'3A0'	0	SYMBTMAXSTATICENTRIESZOSR4	"928" The max number of full-sized entries. This provides for the 6 MVS-defined symbols plus 922 user-provided symbols
4	(4)	X'3A0'	0	SYMBTMAXSTATICENTRIES	"928" The max number of full-sized entries. This provides for the 6 MVS-defined symbols plus 922 user-provided symbols
4	(4)	X'9'	0	SYMBTMAXSTATICSUBTEXTLENGTH	"9" The max length of substitution text for a static symbol
4	(4)	X'E19'	0	SYMBTMAXSTATICTABLESIZEPREZOSR4	"3609" The max table size, taking into account that each symbol is preceded by "&" and followed by "."
4	(4)	X'7F00'	0	SYMBTMAXSTATICTABLESIZEZOSR4	"32512" The max table size, taking into account that each symbol is preceded by "&" and followed by "."
4	(4)	X'7F00'	0	SYMBTMAXSTATICTABLESIZE	"32512"
4	(4)	X'4'	0	SYMBT_LEN	"-SYMBT" The max table size taking into account that each symbol is preceded by "&" and followed by "."

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SYMBTE	Symbol table entry
0	(0)	CHARACTER	16	SYMBTETABLEENTRIES	Symbol table entry. One such entry for each indicated by the SymbtNumberOfSymbols field.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	ADDRESS	4	SYMBTESYMBOLPTR	Address of symbol. Do not use when bit SymbtPtrsAreOffsets is on. Note that the symbol must include the preceding "&" and the trailing "."
0	(0)	SIGNED	4	SYMBTESYMBOLOFFSET	Offset to symbol from start of symbol area. Only use if bit SymbtPtrsAreOffsets is on. Note that the symbol must include the preceding "&" and the trailing "."
0	(0)	ADDRESS	4	SYMBTESYMBOLAREAADDR	Address of symbol area when SymbtIndirectSymbolArea is set. In that case, this is the only word needed in the Symbte area, and the area pointed to by this pointer is mapped by the "regular" SYMBTE DSECT (for which SymbteSymbolAreaAddr is not relevant).
4	(4)	SIGNED	4	SYMBTESYMBOLLENGTH	Length of symbol (includes preceding "&" and trailing ".")
8	(8)	ADDRESS	4	SYMBTESUBTEXTPTR	Address of substitution text. Do not use when bit SymbtPtrsAreOffsets is on.
8	(8)	SIGNED	4	SYMBTESUBTEXTOFFSET	Offset to substitution text from start of symbol area. Only use if bit SymbtPtrsAreOffsets is on.
12	(C)	SIGNED	4	SYMBTESUBTEXTLENGTH	Length of substitution text
12	(C)	X'10'	0	SYMBTE_LEN	**SYMBTE"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SYMBTH	Symbol table Header. This applies to the symbol table pointed to by ECVTSYMT only. Its address should be calculated by subtracting SYMBTH_LEN from the address in ECVTSYMT. Any new fields in the future would be at the beginning (not the end) of the header. Use both the equate SYMBTH_LEN and the field SymbthSymbolTableLen to pick up the length of the symbol table. This approach makes sure that your code will continue to work upon re-assembly.
0	(0)	CHARACTER	4	SYMBTHNOTINTERFACE	
4	(4)	SIGNED	4	SYMBTHSYMBOLTABLELEN	The length of the symbol table (not including the length of this header). This will always be the last field of the header.
4	(4)	X'8'	0	SYMBTH_LEN	**SYMBTH"

ASASYMBP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SYMBP	0		SYMBTE	0	
SYMBP_LEN	18	1C	SYMBTE_LEN	C	10
SYMBPPATTERN@			SYMBTESUBTEXTLENGTH		
	0			C	
SYMBPPATTERNADDR			SYMBTESUBTEXTOFFSET		
	0			8	
SYMBPPATTERNLENGTH			SYMBTESUBTEXTPTR		
	4			8	
SYMBPRETURNCODE@			SYMBTESYMBOLAREAADDR		
	18			0	
SYMBPRETURNCODEADDR			SYMBTESYMBOLLENGTH		
	18			4	
SYMBPSYMBOLTABLE@			SYMBTESYMBOLOFFSET		
	10			0	
SYMBPSYMBOLTABLEADDR			SYMBTESYMBOLPTR		
	10			0	
SYMBPTARGET@			SYMBTETABLEENTRIES		
	8			0	
SYMBPTARGETADDR			SYMBTFLAGS		
	8			0	
SYMBPTARGETLENGTH@			SYMBTFLAG0		
	C			0	
SYMBPTARGETLENGTHADDR			SYMBTFLAG1		
	C			1	
SYMBPTIMESTAMP@			SYMBTFLAG1RSV1		
	14			1	80
SYMBPTIMESTAMPADDR			SYMBTFLAG1RSV3		
	14			1	7
SYMBT	0		SYMBTH		
	4	4		0	
SYMBT_LEN	4	4	SYMBTH_LEN		8
	0	4	SYMBTHEADER		0
SYMBTCHECKNULLSUBTEXT	0	4	SYMBTHNOTINTERFACE		0
	0	4		0	
			SYMBTHSYMBOLTABLELEN		

ASASYMBP Cross Reference

Name	Hex Offset	Hex Value
	4	
SYMBTINDIRECTSYMBOLAREA	1	10
SYMBTMAXSTATICENTRIES	4	3A0
SYMBTMAXSTATICENTRIESPREZOSR4	4	67
SYMBTMAXSTATICENTRIESZOSR4	4	3A0
SYMBTMAXSTATICSUBTEXTLENGTH	4	9
SYMBTMAXSTATICSYMBOLLENGTH	4	8
SYMBTMAXSTATICTABLESIZE	4	7F00
SYMBTMAXSTATICTABLESIZEPREZOSR4	4	E19
SYMBTMAXSTATICTABLESIZEZOSR4	4	7F00
SYMBTMIXEDCASESYMBOLS	1	8
SYMBTNODEFAULTSYMBOLS	0	80
SYMBTNUMBEROFSYMBOLS	2	
SYMBTONLYDYNAMICSYMBOLS	0	1
SYMBTONLYSTATICSYMBOLS	0	40
SYMBTPTRSAREOFFSETS	0	2
SYMBTTABLEENTRIES	4	
SYMBTTIMESTAMPISGMT	0	20
SYMBTTIMESTAMPISLOCAL	0	10
SYMBTTIMESTAMPISSTCK	1	40
SYMBTWARNNOSUB	1	20
SYMBTWARNSUBSTRINGS	0	8

ASBEXSCH Information

ASBEXSCH Programming Interface information

Programming Interface information

ASBEXSCH

End of Programming Interface information

ASBEXSCH Heading Information • ASBEXSCH Map

ASBEXSCH Heading Information

Common Name: APPC Extract Scheduler Information Control Block Mapping
Macro ID: ASBEXSCH
DSECT Name: ASBEXSCH
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
 Residency: Determined by caller
Size: Up to 204 bytes (=length of the type0 mapping)
Created by: Any caller of ATBEXAI running under APPC scheduler
Pointed to by: Local pointer
Serialization: None
Function: The ASBEXSCH is used to map the information returned in the buffer area passed to ATBEXAI when:

- o ATBEXAI is called with an Extract_Code requesting that scheduler information should be returned, and
- o The associated scheduler is the APPC scheduler.

 This buffer area is filled-in by the APPC Scheduler Extract Exit. Various possible mapping formats of the ASBEXSCH are defined by the 'Extract_code' passed to the APPC Scheduler Extract Exit. Shown below is the mapping to use with each of the currently supported Extract_code values.

- o '1000'X: Asbexsch_type0 - the type0 mapping
- o '1001'X: Asbexsch_type1 - the type1 mapping

ASBEXSCH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ASBEXSCH	Extract Scheduler Information Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary

Comment

The following structure maps the information returned by the APPC Information Extract Exit when an Extract_code of '1000'X is specified. This is referred to as the type0 mapping.

End of Comment

0	(0)	DBL WORD	8	ASBEXSCH_TYPE0 (0)	Extract Scheduler Information Control Block mapping for an Extract_code of '1000'X
0	(0)	CHARACTER	8	EXSCH_SCHNAME	Scheduler name
8	(8)	SIGNED	4	EXSCH_TPNAME_LEN	Length of Transaction Program Name
12	(C)	CHARACTER	64	EXSCH_TPNAME	Transaction Program Name
76	(4C)	CHARACTER	8	EXSCH_LOCAL_LUNAME	LU name
84	(54)	CHARACTER	17	EXSCH_PARTNER_LUNAME	Partner LU name in the form node.luname
101	(65)	CHARACTER	3		Reserved
104	(68)	CHARACTER	8	EXSCH_FMH5_PROF	FMH5 profile name
112	(70)	CHARACTER	8	EXSCH_APPCCCLASS	Transaction Initiator Class (i.e. class in which TP runs)
120	(78)	SIGNED	4	EXSCH_TPTYPE	TP Schedule type: 0 = STANDARD, 1 = MULTI-TRANS
124	(7C)	CHARACTER	80	EXSCH_TOD_INFO (0)	Various date and time of day information in the form: 1) Date (0CYYDDDF - Packed, where C is the century with 0 = 1900 - 1999, 1 = 2000 - 2099) 2) Time (HHMMSSst miju0000 - packed, where HH = hours, MM = minutes, SS = seconds, t = tenths-of-sec, h = hundreths-of-sec, m=millisecs, i = ten-thousandths-sec, j = hundred-thousandths-sec, and u = microseconds.) 3) Time (0mmmmmmm) in milliseconds from the beginning of the day, where 00000001 = 1 millisecond.
124	(7C)	CHARACTER	20	EXSCH_FMH5_TIME (0)	Date and Time TP was first recognized by FMH5
124	(7C)	CHARACTER	4	EXSCH_FMH5_PDATE	Date recognized by FMH5
128	(80)	CHARACTER	8	EXSCH_FMH5_PTIME	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	SIGNED	4	EXSCH_FMH5_MTIME	Time recognized by FMH5 in the form HHMMSSTH miju0000 - packed
140	(8C)	CHARACTER	4		Time recognized by FMH5 expressed in millisc from the beginning of the day
144	(90)	CHARACTER	20	EXSCH_ON_Q_TIME (0)	Reserved
144	(90)	CHARACTER	4	EXSCH_ON_Q_PDATE	Date and Time TP was placed on the scheduler work queue
148	(94)	CHARACTER	8	EXSCH_ON_Q_PTIME	Date placed on queue
156	(9C)	SIGNED	4	EXSCH_ON_Q_MTIME	Time placed on queue in the form HHMMSSTH miju0000 - packed
160	(A0)	CHARACTER	4		Time placed on queue expressed in millisc from beginning of day
164	(A4)	CHARACTER	20	EXSCH_START_TIME (0)	Reserved
164	(A4)	CHARACTER	4	EXSCH_START_PDATE	Date and Time TP started execution
168	(A8)	CHARACTER	8	EXSCH_START_PTIME	Date TP started execution
176	(B0)	SIGNED	4	EXSCH_START_MTIME	Time TP started execution in the form HHMMSSTH miju0000 - packed
180	(B4)	CHARACTER	4		Start time expressed in millisc from beginning of day
184	(B8)	CHARACTER	20	EXSCH_CALL_TIME (0)	Reserved
184	(B8)	CHARACTER	4	EXSCH_CALL_PDATE	Date and Time of this call to Extract Service for information. (Represents current date/time this information was obtained.)
188	(BC)	CHARACTER	8	EXSCH_CALL_PTIME	Date of call ...
196	(C4)	SIGNED	4	EXSCH_CALL_MTIME	Time of call in the form HHMMSSTH miju0000 - packed
200	(C8)	CHARACTER	4		Call time expressed in millisc from beginning of day
200	(C8)	X'CC'	0	ASBEXSCH_LEN0	Reserved
200	(C8)	X'CC'	0	ASBEXSCH_LEN	"*-ASBEXSCH_TYPE0" Length of the type0 ASBEXSCH control block mapping "ASBEXSCH_LEN0" Length of the type0 ASBEXSCH control block mapping. This is a synonym of ASBEXSXH_LEN0

Comment

The following structure maps the information returned by the APPC Information Extract Exit when an Extract_code of '1001'X is specified. This is referred to as the type1 mapping.

End of Comment

0	(0)	DBL WORD	8	ASBEXSCH_TYPE1 (0)	Extract Scheduler Information Control Block mapping for an Extract_code of '1001'X
0	(0)	CHARACTER	8	EXSCH_SCHNAME1	Scheduler name
8	(8)	SIGNED	4	EXSCH_TPTYPE1	TP Schedule type: 0 = STANDARD, 1 = MULTI-TRANS
8	(8)	X'C'	0	ASBEXSCH_LEN1	"*-ASBEXSCH_TYPE1" Length of the type1 ASBEXSCH control block mapping

Comment

Other Constants Declarations

End of Comment

8	(8)	X'0'	0	APPC_STANDARD_TPTYPE	"0" Constant used to identify the APPC TP_schedule_type of STANDARD
8	(8)	X'1'	0	APPC_MULTITRANS_TPTYPE	"1" Constant used to identify the APPC TP_schedule_type of MULTI_TRANS

ASBEXSCH Cross Reference

ASBEXSCH Cross Reference

Name	Hex Offset	Hex Value
APPC_MULTITRANS_TPTYPE	8	1
APPC_STANDARD_TPTYPE	8	0
ASBEXSCH	0	
ASBEXSCH_LEN	C8	CC
ASBEXSCH_LEN0		
ASBEXSCH_LEN1	C8	CC
	8	C
ASBEXSCH_TYPE0		
	0	
ASBEXSCH_TYPE1		
	0	
EXSCH_APPCCCLASS		
	70	
EXSCH_CALL_MTIME		
	C4	
EXSCH_CALL_PDATE		
	B8	
EXSCH_CALL_PTIME		
	BC	
EXSCH_CALL_TIME		
	B8	
EXSCH_FMH5_MTIME		
	88	
EXSCH_FMH5_PDATE		
	7C	
EXSCH_FMH5_PROF		
	68	
EXSCH_FMH5_PTIME		
	80	
EXSCH_FMH5_TIME		
	7C	
EXSCH_LOCAL_LUNAME		
	4C	
EXSCH_ON_Q_MTIME		
	9C	
EXSCH_ON_Q_PDATE		
	90	
EXSCH_ON_Q_PTIME		
	94	
EXSCH_ON_Q_TIME		
	90	
EXSCH_PARTNER_LUNAME		
	54	
EXSCH_SCHNAME		
	0	
EXSCH_SCHNAME1		
	0	
EXSCH_START_MTIME		
	B0	
EXSCH_START_PDATE		
	A4	
EXSCH_START_PTIME		
	A8	
EXSCH_START_TIME		
	A4	
EXSCH_TOD_INFO		
	7C	
EXSCH_TPNAME		
	C	
EXSCH_TPNAME_LEN		
	8	
EXSCH_TPTYPE		
	78	
EXSCH_TPTYPE1		
	8	

ASCB Information

ASCB Programming Interface information

Programming Interface information

ASCB

ONLY the following fields are part of the programming interface information:

- | | | | |
|------------|------------|------------|------------|
| • ASCBASID | • ASCBJBNI | • ASCBOUCB | • ASCBSDBF |
| • ASCBASSB | • ASCBJBNS | • ASCBOUXB | • ASCBSRBT |
| • ASCBASXB | • ASCBLSQE | • ASCBPO1M | • ASCBTCBE |
| • ASCBDCTI | • ASCBLSQT | • ASCBP1M0 | • ASCBTCBS |
| • ASCBEJST | • ASCBNOFT | • ASCBRSME | • ASCBXTCB |
| • ASCBFW3 | | | |

End of Programming Interface information

ASCB Heading Information • ASCB Map

ASCB Heading Information

Common Name: ADDRESS SPACE CONTROL BLOCK
Macro ID: IHAASCB
DSECT Name: ASCB
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: ASCB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Below 16M
Size: 384 bytes
Created by: IEAMSWCB, IEAVEMRQ
Pointed to by: CVTASCBH and CVTASCBL fields of the CVT data area
 PSAANEW field of the PSA data area
 PSAAOLD field of the PSA data area (Master's ASCB)
 ASVTENTY field of the ASVT data area
 ASCBFWDP, ASCBBWDP and ASCBTRQP fields of the ASCB data area
 ASMASCBP field of the ASMVT data area
 JSELASCB field of the JSEL data area
 LCTASCBA field of the LCT data area
 LDAASCB field of the LDA data area
 LWAPASCB field of the LWA data area
 PCBASCB field of the PCB data area
 RSMASCB field of the RSMHD data area
 SMCAASCB field of the SMCA data area
 SRBASCB field of the SRB data area
 SSENASCB and SSETASCB fields of the SSOB data area
 TCASASCB field of the TCAST data area
 TQEASCB field of the TQE data area
 TSBASCBA field of the TSB data area
 TVCSASCB field of the TVCS data area
 TWAASCB field of the TWAR data area
 UCMASCB field of the UCM data area
 OUCBASCB field of the OUCB data area
 WEBHASCB field of the WEB data area
 WEBSQP field of the WEB data area
Serialization: Serialization of the ASCB is dependent on the field being referenced. Some serialization techniques used here are local lock, compare and swap (CS), compare double and swap, and global intersect.
Function: Contain information and pointers needed for Address Space Control. The ASCB is non-swappable.

ASCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ASCB	
0	(0)	DBL WORD	8	ASCBEGIN (0)	- BEGINNING OF ASCB
0	(0)	CHARACTER	4	ASCBASCB	- ACRONYM IN EBCDIC -ASCB-
4	(4)	ADDRESS	4	ASCBFWDP	- ADDRESS OF NEXT ASCB ON ASCB READY QUEUE
8	(8)	ADDRESS	4	ASCBBWDP	- ADDRESS OF PREVIOUS ASCB ON ASCB READY QUEUE
12	(C)	ADDRESS	4	ASCBLTCS	- TCB and preemptable-class SRB Local lock suspend service queue. Serialization: ASCB CML promotion WEB lock.
16	(10)	DBL WORD	8	ASCBR010 (0)	Reserved as of z/OS 1.12
16	(10)	DBL WORD	8	ASCBSUPC_PREZOS12 (0)	- SUPERVISOR CELL FIELD
16	(10)	ADDRESS	4	ASCBSVRB_PREZOS12	- SVRB POOL ADDRESS.
20	(14)	SIGNED	4	ASCBSYNC_PREZOS12	- COUNT USED TO SYNCHRONIZE SVRB POOL.
24	(18)	ADDRESS	4	ASCBIOSP	- POINTER TO IOS PURGE INTERFACE CONTROL BLOCK (IPIB) (MDC308)
28	(1C)	BITSTRING	4	ASCBWQLK (0)	WEB QUEUE LOCK WORD SERIALIZATION: COMPARE AND SWAP OWNERSHIP: SUPERVISOR CONTROL
28	(1C)	BITSTRING	2	ASCBR01C	RESERVED, MUST BE ZERO
30	(1E)	SIGNED	2	ASCBWQID	LOGICAL CPU ID OF THE PROCESSOR HOLDING THE WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
32	(20)	ADDRESS	4	ASCBR020 (0)	Reserved as of z/OS 1.11
32	(20)	ADDRESS	4	ASCBSAWQ_PREZOS11	- ADDRESS OF ADDRESS SPACE SRB WEB QUEUE SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL Not set as of z/OS 1.11
		1...		ASCBURRQ_PREZOS11	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'80" - SYSEVENT USER READY REQUIRED SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL Not set as of z/OS 1.11
36	(24)	SIGNED	2	ASCBASN (0)	- SAME AS ASCBASID
36	(24)	SIGNED	2	ASCBASID	- ADDRESS SPACE IDENTIFIER FOR THE ASCB
38	(26)	BITSTRING	1	ASCBR026	- RESERVED
39	(27)	BITSTRING	1	ASCB SRMFLAGS	- SRM flags Ownership: SRM Serialization: SRMLOCK
		1... ..		ASCBVCMOVERRIDE	"X'80" - This bit indicates that this address space should not follow the standard SRM management in an VCM=on environment. Instead of trying to assign the work this address space to the same affinity node for cache efficiency concerns, assign this work to any affinity node, ignore any cache concerns. Ownership: SRM
		.1..		ASCBBROKENUP	"X'40" - This bit indicates that this address space has been broken up by SRM. Ownership: SRM
		..1.		ASCBVCMGIVEPREEMPTION	"X'20" - This bit indicates that this address space should get full preemption. Ownership: SRM
		...1		ASCBVCMGIVESIGPANY	"X'10" - This bit indicates that this address space can SIGP any waiting CPUs to process its work. Ownership: SRM
40	(28)	BITSTRING	1	ASCBLL5	- FLAGS. SERIALIZATION - LOCAL LOCK
		..1.		ASCB S3S	"X'20" - STAGE II EXIT EFFECTOR HAS SCHEDULED AN RQE OR IQE AND STAGE III EXIT EFFECTOR SHOULD BE INVOKED
41	(29)	SIGNED	1	ASCBHLHI	- INDICATION OF SUSPEND LOCKS HELD AT TASK SUSPENSION
42	(2A)	SIGNED	2	ASCBDPH (0)	- HALFWORD DISPATCHING PRIORITY
42	(2A)	SIGNED	1	ASCBDPHI	- HIGH ORDER BYTE OF HALFWORD DISPATCHING PRIORITY
43	(2B)	SIGNED	1	ASCBDP	- DISPATCHING PRIORITY RANGE FROM 0-255
44	(2C)	SIGNED	4	ASCBTCBE	- Count of ready tcbs in the space that are in an enclave. Ownership: Task Management Serialization: Compare and Swap and WEB Lock of TCB for which this count is being manipulated.
48	(30)	ADDRESS	4	ASCB LDA	- POINTER TO LOCAL DATA AREA PART OF LSQA FOR VSM
52	(34)	BITSTRING	1	ASCB RSMF	- RSM ADDRESS SPACE FLAGS (MDC368)
		1... ..		ASCB2LPU	"X'80" - SECOND LEVEL PREFERRED USER. THIS OFFSET FIXED BY ARCHITECTURE. (MDC369)
		.1..		ASCB1LPU	"X'40" - FIRST LEVEL PREFERRED USER (MDC370)
		..1.		ASCB N2LP	"X'20" - SRM IN SYSEVENT TRANSWAP SHOULD NOT SET ASCB2LPU BIT - HOWEVER IT MAY ALREADY BE ON AND WILL STAY ON (MDC371)
		...1		ASCBVEQR	"X'10" - V=R ADDRESS SPACE (MDC372)
53	(35)	BITSTRING	1	ASCB FLG3	- Flags needing no serialization
		1... ..		ASCB CNIP	"X'80" - Address space created during NIP
		.1..		ASCB REUS	"X'40" - This is a reusable ASID. It may be given out only to a reusable ASID requestor
54	(36)	SIGNED	2	ASCB R036 (0)	Reserved as of z/OS 1.11
54	(36)	SIGNED	2	ASCB HASI_PREZOS11	- Local lock owning ASID. Not set as of z/OS 1.11
56	(38)	ADDRESS	4	ASCB CSCB	- ADDRESS OF CSCB
60	(3C)	ADDRESS	4	ASCB TSB	- ADDRESS OF TSB
64	(40)	DBL WORD	8	ASCB EJST	- ELAPSED JOB STEP TIMING UNSIGNED 64 BIT BINARY NUMBER
72	(48)	DBL WORD	8	ASCB EWST	- TIME OF DAY WHENEVER I-STREAM IS SWITCHED FROM A MEMORY
80	(50)	SIGNED	4	ASCB JSTL	- CPU TIME LIMIT FOR THE JOB STEP UNSIGNED 32 BIT BINARY NUMBER
84	(54)	SIGNED	4	ASCB ECB	- RCT'S WORK ECB
88	(58)	SIGNED	4	ASCB UBET	- TIME STAMP WHEN USER BECOMES READY
92	(5C)	ADDRESS	4	ASCB TLCH	- CHAIN FIELD FOR TIME LIMIT EXCEEDED QUEUE (MDC329)
96	(60)	ADDRESS	4	ASCB DUMP	- SVC DUMP TASK TCB ADDRESS
100	(64)	SIGNED	4	ASCB FW1 (0)	- FULL-WORD LABEL TO BE USED FOR COMPARE AND SWAP FOR ANY BIT IN THIS WORD MDC026
100	(64)	SIGNED	2	ASCB AFFN	- CPU AFFINITY INDICATOR
102	(66)	BITSTRING	1	ASCB RCTF	- FLAGS FOR RCT SERIALIZED BY COMPARE AND SWAP
		1... ..		ASCB TMNO	"X'80" - MEMORY IS BEING QUIESCED, IS QUIESCED, OR IS BEING RESTORED
		.1..		ASCB FRFS	"X'40" - RESTORE REQUEST
		..1.		ASCB FQU	"X'20" - QUIESCE REQUEST
		...1		ASCB JSTE	"X'10" - JOB STEP TIME EXCEEDED. NOT USED BY RCT
		.... 1...		ASCB WAIT	"X'08" - LONG WAIT INDICATOR
		.... .1..		ASCB OUT	"X'04" - ADDRESS SPACE CONSIDERED SWAPPED OUT
		.... ..1.		ASCB TMLW	"X'02" - MEMORY IS IN A LONG WAIT
		.... ...1		ASCB TOFF	"X'01" - MEMORY SHOULD NOT BE CHECKED FOR JOB STEP TIMING. NOT USED BY RCT
103	(67)	BITSTRING	1	ASCB FLG1	- FLAG FIELD
		1... ..		ASCB LSAS	"X'80" - ADDRESS SPACE IS LOGICALLY SWAPPED OUT SERIALIZATION - WHEN SETTING, CPU LOCK, AND THE SWAP INTERSECT - WHEN RESETTING, NONE REQUIRED

ASCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		ASCB DSTK	"X'40" - SRM REQUIRES A TIME STAMP TO DETERMINE WHEN THE ADDRESS SPACE GOES INTO LONG WAIT. ASCBEWST WILL BE UPDATED WHEN THIS BIT IS ON. NOTE: If this bit moves position the bit constant ASCBDSTZ must also be changed.
		.1..		ASCB DSTZ	"X'40" - Bit constant for bit position ASCBDSTK. PL/X cannot map bit positions in generated code, so this bit constant allows PL/X to set the bit in generated assembler.
		...1		ASCB TERM	"X'10" - ADDRESS SPACE TERMINATING NORMALLY
		.... 1...		ASCB ABNT	"X'08" - ADDRESS SPACE TERMINATING ABNORMALLY
		.... .1..		ASCB MEMP	"X'04" - Memory Termination PURGEDQ flag Serialization: none
104	(68)	SIGNED	4	ASCB TMCH	- TERMINATION QUEUE CHAIN
108	(6C)	ADDRESS	4	ASCB ASXB	- POINTER TO ADDRESS SPACE EXTENSION CONTROL BLOCK (ASXB)
112	(70)	SIGNED	4	ASCB FW2 (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD (MDC330)
112	(70)	SIGNED	2	ASCB SWCT	- NUMBER OF TIMES MEMORY ENTERS SHORT WAIT
114	(72)	BITSTRING	1	ASCB DSP1	- NONDISPATCHABILITY FLAGS. SERIALIZATION - GLOBAL INTERSECT. (MDC388)
		1...		ASCB SSND	"X'80" - SYSTEM SET NONDISPATCHABLE AND THIS ASCB IS NOT EXEMPT (MDC331)
		.1..		ASCB FAIL	"X'40" - A FAILURE HAS OCCURRED WITHIN THE ADDRESS SPACE. THE MEMORY IS NONDISPATCHABLE
		..1.		ASCB SNQS	"X'20" - STATUS STOP NON-QUIESCABLE LEVEL SRB'S (MDC323)
		...1		ASCB SSSS	"X'10" - STATUS STOP SRB SUMMARY (MDC332)
		.... 1...		ASCB STND	"X'08" - TCB'S NONDISPATCHABLE (MDC322)
		.... .1..		ASCB UWND	"X'04" - STATUS SET UNLOCKED WORKUNITS NONDISPATCHABLE.
		.... .1..		ASCB NOQ	"X'02" - ASCB NOT ON SWAPPED IN QUEUE
115	(73)	BITSTRING	1	ASCB FLG2	- FLAG BYTE. SERIALIZATION - GLOBAL INTERSECT (MDC387)
		1...		ASCB XMPT	"X'80" - ASCB EXEMPT FROM SYSTEM NONDISPATCHABLE MDC013
		.1..		ASCB PXMT	"X'40" - ASCB PERMANENTLY EXEMPT FROM SYSTEM NONDISPATCHABLE MDC014
		..1.		ASCB CEXT	"X'20" - CANCEL TIMER EXTENSION BECAUSE EOT PROCESSING IS STARTED FOR THE JOB STEP TCB MDC021
		...1		ASCB S2S	"X'10" - FOR LOCK MANAGER, ENTRY MADE TO STAGE II EXIT EFFECTOR WITHOUT CORRESPONDING ENTRY TO STAGE III EXIT EFFECTOR MDC020
		.... 1...		ASCB NCML	"X'08" - ASCB NOT ELIGIBLE FOR CML LOCK REQUESTS
		.... .1..		ASCB NOMT	"X'04" - ADDRESS SPACE MUST NOT BE MEMTERMED UNLESS A DAT ERROR HAS OCCURRED. IF A DAT ERROR HAS OCCURRED, ACTION IS CONTROLLED BY ASCBNOMD. OWNERSHIP - SCHEDULER (MDC387)
		.... .1..		ASCB NOMD	"X'02" - IF ON, ADDRESS SPACE CANNOT BE MEMTERMED ON A DAT ERROR. IF OFF, PROCESS MEMTERM ON A DAT ERROR. OWNERSHIP - SCHEDULER (MDC387)
116	(74)	SIGNED	4	ASCB SCNT (0)	- FULLWORD LABEL FOR COMPARE AND SWAP (CS) (MDC333)
116	(74)	SIGNED	2		- FIRST HALFWORD OF ASCBSCNT MUST BE ZERO (MDC387)
118	(76)	SIGNED	2	ASCB SRBS	- COUNT OF SRB'S SUSPENDED IN THIS MEMORY (MDC325)
120	(78)	ADDRESS	4	ASCB LLWQ	- ADDRESS SPACE LOCAL LOCK SUSPEND SERVICE WEB QUEUE SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
124	(7C)	ADDRESS	4	ASCB RCTP	- POINTER TO REGION CONTROL TASK (RCT) TCB (MDC334)
128	(80)	DBL WORD	8	ASCB LKGP (0)	- LOCK GROUP (MDC306)
128	(80)	SIGNED	4	ASCB LOCK	- LOCAL LOCK. THIS OFFSET FIXED BY ARCHITECTURE. (MDC305)
132	(84)	ADDRESS	4	ASCB LSWQ	- ADDRESS SPACE LOCAL LOCK WEB SUSPEND QUEUE THIS OFFSET FIXED BY ARCHITECTURE. (MDC307) SERIALIZATION: CDS WITH ASCBLOCK OWNERSHIP: SUPERVISOR CONTROL
		1...		ASCB S3NL	"X'80" - THE LOCAL LOCK IS NEEDED BY THE STAGE 3 EXIT EFFECTOR TO QUEUE ASYNCHRONOUS EXITS E SERIALIZATION: CDS WITH ASCBLOCK OWNERSHIP: SUPERVISOR CONTROL
		.... ...1		ASCB LTCL	"X'01" - THE LOCAL LOCK IS NEEDED BY SOME TCB or preemptable-class SRB WHEN SET IN BIT 31 OF ASCBLSWQ.
136	(88)	SIGNED	4	ASCB QECB	- QUIESCE ECB
140	(8C)	SIGNED	4	ASCB MECB	- MEMORY CREATE/DELETE ECB
144	(90)	ADDRESS	4	ASCB OUCB	- SYSTEM RESOURCES MANAGER (SRM) USER CONTROL BLOCK POINTER
148	(94)	ADDRESS	4	ASCB OUXB	- SYSTEM RESOURCES MANAGER (SRM) USER EXTENSION BLOCK POINTER
152	(98)	SIGNED	4	ASCB FW2A (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD. SERIALIZATION - CS.
152	(98)	SIGNED	2	ASCB FMCT	- RESERVED. ALLOCATED PAGE FRAME COUNT NOW RESIDES IN THE RAX (MAPPING MACRO IARRAX).
154	(9A)	BITSTRING	1	ASCB LEVL	- LEVEL NUMBER OF ASCB
		.... ....		ASCB VS00	"X'00" - HBB2102 (NOT IN BASE)
		.... ...1		ASCB VS01	"X'01" - JBB2110
		.... .1..		ASCB VS02	"X'02" - JBB2133
		.... ..11		ASCB VS03	"X'03" - HBB4410
		.... ..11		ASCB VERS	"X'03" - LEVEL OF THIS MAPPING
155	(9B)	BITSTRING	1	ASCB FL2A	- FLAG BYTE.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		ASCBNOPR	"X'80" - NO PREEMPTION FLAG 1=DO NOT SIGP ANOTHER PROCESSOR TO EXECUTE READY WORK IN THIS SPACE 0=DO SIGP ANOTHER PROCESSOR OWNERSHIP: SRM SERIALIZATION: CS ON ASCBFW2A
156	(9C)	ADDRESS	4	ASCBR09C (0)	Reserved as of z/OS 1.11
156	(9C)	ADDRESS	4	ASCBHREQ_PREZOS11	- Local lock requestor address. Not set as of z/OS 1.11
160	(A0)	ADDRESS	4	ASCBIQEA	- POINTER TO IQE FOR ATCAM ASYNCHRONOUS PROCESSING MDC010
164	(A4)	ADDRESS	4	ASCBRTMC	- ANCHOR FOR SQA SDWA QUEUE (MDC388)
168	(A8)	CHARACTER	4	ASCBMCC	- USED TO HOLD A MEMORY TERMINATION COMPLETION CODE ON ABNORMAL MEMORY TERMINATION MDC012
172	(AC)	ADDRESS	4	ASCBJBNI	- POINTER TO JOBNAME FIELD FOR INITIATED PROGRAMS OR ZERO MDC018
176	(B0)	ADDRESS	4	ASCBJBNS	- POINTER TO JOBNAME FIELD FOR START/MOUNT/LOGON OR ZERO MDC019
180	(B4)	SIGNED	4	ASCBRSQ (0)	- DISPATCHER SERIALIZATION REQUIRED (MDC312)
180	(B4)	BITSTRING	1	ASCBRSQ1	- FIRST BYTE OF ASCBSRQ (MDC313)
		1... ..		ASCBDSG4	"X'80" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC335)
		.1.		ASCBDFLT	"X'40" - DEFAULT LOCAL INTERSECT (MDC336)
181	(B5)	BITSTRING	1	ASCBRSQ2	- SECOND BYTE OF ASCBSRQ (MDC315)
		1... ..		ASCBDSG3	"X'80" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC337)
		.... ..1.		ASCBSRM1	"X'02" - SYSTEM RESOURCE MANAGER (SRM) INTERSECTING (MDC338)
		.... ..1		ASCBQVER	"X'01" - QUEUE VERIFICATION INTERSECTING (MDC339)
182	(B6)	BITSTRING	1	ASCBRSQ3	- THIRD BYTE OF ASCBSRQ (MDC316)
		1... ..		ASCBDSG2	"X'80" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC340)
		.1.		ASCBRCTI	"X'40" - REGION CONTROL TASK (RCT) INTERSECTING (MDC381)
		.1.		ASCBTCBV	"X'20" - TCB VERIFICATION INTERSECTING (MDC342)
		..1		ASCBACHA	"X'10" - ASCB CHAP INTERSECTING (MDC343)
		.... ..1.		ASCBMTER	"X'04" - MEMORY TERMINATION INTERSECTING (MDC345)
		.... ..1.		ASCBMINI	"X'02" - MEMORY INITIALIZATION INTERSECTING (MDC346)
		.... ..1		ASCBCBVE	"X'01" - CONTROL BLOCK VERIFICATION INTERSECTING (MDC347)
183	(B7)	BITSTRING	1	ASCBRSQ4	- FOURTH BYTE OF ASCBSRQ (MDC317)
		1... ..		ASCBDSG1	"X'80" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC348)
		.1.		ASCBDETA	"X'40" - DETACH INTERSECTING (MDC349)
		..1		ASCBATTA	"X'20" - ATTACH INTERSECTING (MDC350)
		..1		ASCBRTM2	"X'10" - RTM2 INTERSECTING (MDC351)
		.... 1..		ASCBRTM1	"X'08" - RTM1 INTERSECTING (MDC352)
		.... ..1.		ASCBCHAP	"X'04" - CHAP INTERSECTING (MDC353)
		.... ..1.		ASCBSTAT	"X'02" - STATUS INTERSECTING (MDC354)
		.... ..1		ASCBPURD	"X'01" - PURGEDQ INTERSECTING (MDC355)
184	(B8)	ADDRESS	4	ASCBVGTT	- ADDRESS OF VSAM GLOBAL TERMINATION TABLE (VGTT) MDC024
188	(BC)	ADDRESS	4	ASCBPCTT	- ADDRESS OF PRIVATE CATALOG TERMINATION TABLE (PCTT) MDC025
192	(C0)	SIGNED	2	ASCBSSRB	- COUNT OF STATUS STOP SRB'S (MDC324)
194	(C2)	SIGNED	1	ASCBSMCT	- NUMBER OF OUTSTANDING STEP MUST COMPLETE REQUESTS IN ADDRESS SPACE MDC016
195	(C3)	BITSTRING	1	ASCBSRBM	- MODEL PSW BYTE 0 USED BY SRB DISPATCHER (MDC379)
		.1.		ASCBPER	"X'40" - PER BIT IN ASCBSRBM - ALSO USED TO SHOW PER STATUS FOR THE ADDRESS SPACE (MDC380)
196	(C4)	SIGNED	4	ASCBSWTL	- STEP WAIT TIME LIMIT MDC029
200	(C8)	DBL WORD	8	ASCBRSRB	- ACCUMULATED SRB TIME MDC030
208	(D0)	ADDRESS	4	ASCB LTCB	- TCB and preemptable-class SRB Local lock suspend queue. Serialization: Adding, CS. Deleting, ASCB CML promotion WEB lock and CS.
212	(D4)	SIGNED	4	ASCB LTCN	- Count of TCB and preemptable- class SRB (local and CML) requestors needing this local lock. Serialization: CS
216	(D8)	SIGNED	4	ASCB TCBS	- NUMBER OF READY TCB'S. THE ACTUAL NUMBER OF READY TCBS IS ASCBTCBS-ASCBSLQT. SERIALIZATION: CS OWNERSHIP: TASK MANAGEMENT
220	(DC)	SIGNED	4	ASCBLSQT	- NUMBER OF TCBS ON A LOCAL LOCK SUSPEND QUEUE. SERIALIZATION: CS OWNERSHIP: TASK MANAGEMENT
224	(E0)	ADDRESS	4	ASCBWPRB	- ADDRESS OF WAIT POST REQUEST BLOCK (MDC362)
228	(E4)	SIGNED	4	ASCB SRDP (0)	- SYSTEM RESOURCE MANAGER (SRM) DISPATCHING PRIORITY (MDC363)
228	(E4)	SIGNED	1	ASCBNDP	- NEW DISPATCHING PRIORITY (MDC364)
229	(E5)	SIGNED	1	ASCBTNDP	- NEW TIME SLICE DISPATCHING PRIORITY (MDC365)
230	(E6)	SIGNED	1	ASCBNTSG	- NEW TIME SLICE GROUP (MDC366)
231	(E7)	SIGNED	1	ASCB IODP	- I/O PRIORITY (MDC374)
232	(E8)	ADDRESS	4	ASCBLOCI	- LOCK IMAGE, ADDRESS OF ASCB HOLDING THIS ASCB'S LOCAL LOCK AS A CML LOCK. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR. (MDC384)

ASCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
236	(EC)	ADDRESS	4	ASCBCLMW	- ADDRESS OF THE WEB REPRESENTING THE WORKUNIT THAT IS HOLDING THIS ASCB'S LOCAL LOCK AS A CML OR LOCAL LOCK. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR CONTROL
240	(F0)	SIGNED	4	ASCBR0F0 (0)	Reserved as of z/OS 1.12
240	(F0)	SIGNED	4	ASCBCLMCL_PREZOS12	- COUNT OF CML LOCKS HELD BY THIS ADDRESS SPACE. SERIALIZATION - CS. OWNERSHIP - SUPERVISOR.
244	(F4)	SIGNED	4	ASCBSSOM (0)	- SPACE SWITCH EVENT OWNER MASK. SERIALIZATION - CS. OWNERSHIP - SUPERVISOR.
244	(F4)	BITSTRING	3	ASCBSSO1	- SPACE SWITCH EVENT OWNER MASK BYTES 1 - 3. (MDC389)
247	(F7)	BITSTRING	1	ASCBSSO4	- SPACE SWITCH EVENT OWNER MASK BYTE 4. (MDC389)
		.... ..1.		ASCBSSSP	"X'02" - SLIP/PER REQUESTED NOTIFICATION ON SPACE SWITCH EVENTS. (MDC389)
		.... ..1		ASCBSSJS	"X'01" - JOB STEP TERMINATION REQUESTED SPACE SWITCH EVENTS FOR BREAKING LATENT ADDRESSING BINDS (MDC389)
248	(F8)	ADDRESS	4	ASCBASTE	- VIRTUAL ADDRESS OF ADDRESS SPACE SECOND TABLE ENTRY (ASTE). SERIALIZATION - N/A. OWNERSHIP - SUPERVISOR. (MDC384)
252	(FC)	ADDRESS	4	ASCBLTOV	- VIRTUAL ADDRESS OF THE LINKAGE TABLE ORIGIN. (LOCATED IN PC/AUTH ADDRESS SPACE LSQA). SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
256	(100)	ADDRESS	4	ASCBATOV	- VIRTUAL ADDRESS OF AUTHORIZATION TABLE (LOCATED IN PC/AUTH ADDRESS SPACE LSQA). SERIALIZATION: PC/AUTH, ADDRESS SPACE LOCAL LOCK. OWNERSHIP: XM SERVICES (MDC384)
260	(104)	SIGNED	2	ASCBETC	- NUMBER OF ENTRY TABLES CURRENTLY OWNED BY THIS ADDRESS SPACE. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
262	(106)	SIGNED	2	ASCBETCN	- NUMBER OF CONNECTIONS TO ENTRY TABLES IN THIS ADDRESS SPACE CONTAINING ANY SPACE SWITCH ENTRIES. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC387)
264	(108)	SIGNED	2	ASCBLXR	- NUMBER OF LINKAGE INDEXES RESERVED BY THIS ADDRESS SPACE. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
266	(10A)	SIGNED	2	ASCBAXR	- NUMBER OF AUTHORIZATION INDEXES RESERVED BY THIS ADDRESS SPACE. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
268	(10C)	ADDRESS	4	ASCBSTKH	- ADDRESS OF LOCAL STACK POOL HEADER FOR PCLINK SERVICE. SERIALIZATION - N/A. OWNERSHIP - XM SERVICES. (MDC383)
272	(110)	BITSTRING	8	ASCBR110	Reserved.
280	(118)	ADDRESS	4	ASCBJAFBADDR	- Address of the JAFB
284	(11C)	ADDRESS	4	ASCBXTCB	- ADDRESS OF THE JOB STEP @G381P9A TASK TCB WHICH OWNS THE CROSS MEMORY RESOURCES IN THIS ADDRESS SPACE. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR. (MDC384)
288	(120)	SIGNED	4	ASCBFW3 (0)	- Fullword label to address bits in this word. Serialization - CS. This word is a programming interface only for bits ASCBSDBF, ASCBNOFT, ASCBPO1M, ASCBP1M0
288	(120)	BITSTRING	1	ASCBOS1	- FIRST BYTE OF COMPARE AND SWAP FLAGS. (MDC384)
		1...		ASCBXMET	"X'80" - IF ONE, THE ADDRESS SPACE IS NON-REUSABLE BECAUSE OF CROSS MEMORY CONNECTIONS TO IT. THIS CONDITION MAY NOT BE PERMANENT. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES.
		.1..		ASCBXMEC	"X'40" - CROSS MEMORY ENTRY TABLES CONTAINING SPACE SWITCH ENTRIES HAVE BEEN CREATED BY THIS ADDRESS SPACE. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC390)
		..1.		ASCBXMPA	"X'20" - IF ONE, THE ADDRESS SPACE IS PERMANENTLY NON-REUSABLE BECAUSE OF INCOMPLETE TERMINATION PROCESSING OF PC/AUTH RESOURCE MANAGER. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES.
		...1		ASCBXMLK	"X'10" - IF ONE, THE ADDRESS SPACE IS PERMANENTLY NON-REUSABLE BECAUSE OF A CML BIND. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES.
		.... 1...		ASCBPERS	"X'08" - COMMUNICATION BIT FOR SLIP/PER SRB ROUTINES. IF 1, THE LOCAL SRB ROUTINE WILL ACTIVATE PER FOR THE SPECIFIED ADDRESS SPACE/JOB/CROSS MEMORY REFERENCES. IF 0, THE LOCAL SRB ROUTINE WILL DEACTIVATE PER FOR THE ADDRESS SPACE. SERIALIZATION - CS AND SLIP SERIALIZATION WORD, SHDRSEQ. OWNERSHIP - SLIP/PER. (MDC390)
		.... .1..		ASCBDBTER	"X'04" - A DAT ERROR HAS OCCURRED FOR THIS ADDRESS SPACE. SERIALIZATION - CS. OWNERSHIP - RTM. (MDC390)
		.... ..1.		ASCBPERO	"X'02" - PER PROCESSING NEEDS TO BE DONE WHEN ADDRESS SPACE IS SWAPPED IN. SERIALIZATION - CS. OWNERSHIP - SLIP.
		.... ...1		ASCBSWOP	"X'01" - ADDRESS SPACE IS SWAPPED OUT WITH RESPECT TO PER PROCESSING BEING DONE. SERIALIZATION - CS. OWNERSHIP - RCT.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
289	(121)	BITSTRING 1...	1	ASCBXS2 ASCBXSAS	- SECOND BYTE OF COMPARE AND SWAP FLAGS. "X'80" - INDICATES THAT STORAGE ALTERATION SELECTION (PER 2) IS ON FOR EITHER A DATA SPACE ASSOCIATED WITH THE ADDRESS SPACE, OR THE ADDRESS SPACE ITSELF.
		.1..		ASCBXSAGR	"X'40" - This space is or has been associated with the session manager
		..1.		ASCBXTIN	"X'20" - This space is or has been associated with ISPF
		...1		ASCBXMNR	"X'10" - The address space is permanently non-reusable because of cross memory connections to a system LX. Serialization - CS and PC/AUTH address space Local lock. Ownership - XM services
		.... 1..		ASCBXSDBF	"X'08" - A work unit in this address space has set CVTSDDBF bit 0 to 1. If this address space is memtermed when this bit is on, the system will reset CVTSDDBF. ASCBXSDBF must be set on only by the work unit that has just set CVTSDDBF bit 0 to 1. ASCBXSDBF must be reset just prior to resetting CVTSDDBF. ASCBXSDBF must be set in the home address space. The SVC Dump request must properly indicate BUFFER=YES. Serialization: CS
		.... .1..		ASCBXNOFT	"X'04" - Set this to exempt all tasks in this address space from being affected by the FORCE TCB command. Serialization: CS
		.... ..1.		ASCBXPO1M	"X'02" - Set this to indicate that the RMODE 31 portion of program objects is to be backed by 1M pages (when available). The bit is reset at jobstep start. It applies only to modules loaded into private storage. Serialization: CS
		.... ...1		ASCBXPM0	"X'01" - Set this to indicate that the RMODE 31 portion of program objects is to be backed by 1M pages (when available), but only when the module will be placed into SP252. The bit is reset at jobstep start. It applies only to modules loaded into private storage. Do not also set ASCBPO1M. Serialization: CS
290	(122)	BITSTRING	2	ASCBXR122	- RESERVED. SERIALIZATION- CS. (MDC389)
292	(124)	ADDRESS	4	ASCBGXCL	- ADDRESS OF GLOBALLY LOADED MODULE EXTENT INFORMATION CONTROL BLOCK. SERIALIZATION - LOCAL LOCK. OWNERSHIP - CONTENTS SUPERVISION (MDC389)
296	(128)	DBL WORD	8	ASCBXATT	- EXPENDED AND ACCOUNTED TASK TIME. SERIALIZATION - N/A. OWNERSHIP - SCHEDULER. (MDC387)
304	(130)	DBL WORD	8	ASCBXINTS	- JOB SELECTION TIME STAMP. SERIALIZATION - N/A. OWNERSHIP - SCHEDULER. (MDC387)
312	(138)	SIGNED	4	ASCBXFW4 (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD. SERIALIZATION - LOCAL LOCK. (MDC389)
312	(138)	BITSTRING 1...	1	ASCBXLL1 ASCBXSSPC	- FIRST BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389) "X'80" - STATUS STOP TASKS PENDING A CML LOCK RELEASE. (MDC389)
313	(139)	BITSTRING	1	ASCBXLL2	- SECOND BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389)
314	(13A)	BITSTRING	1	ASCBXLL3	- THIRD BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389)
315	(13B)	BITSTRING.... ..1.	1	ASCBXLL4 ASCBXTYP1	- FOURTH BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389) "X'02" - TYPE 1 SVC HAS CONTROL. THIS OFFSET FIXED BY ARCHITECTURE.
316	(13C)	ADDRESS	4	ASCBXRCMS	ADDRESS OF THE REQUESTED CMS CLASS LOCK FOR WHICH THE LOCAL LOCK HOLDER IS SUSPENDED. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR. (MDC391)
320	(140)	SIGNED	4	ASCBXIOSC	- I/O SERVICE MEASURE. SERIALIZATION - CS. UPDATED BY JES2,JES3,SMF. READ BY RMF,SMF,SRM.
324	(144)	SIGNED	2	ASCBXPKML	- PKM OF LAST TASK DISPATCHED IN THIS ADDRESS SPACE. SERIALIZATION - NONE. OWNERSHIP - DISPATCHER.
326	(146)	SIGNED	2	ASCBXXCNT	- EXCP COUNT FIELD. SERIALIZATION - LOCAL LOCK. OWNERSHIP - EXCP.
328	(148)	ADDRESS	4	ASCBXNSQA	- ADDRESS OF THE SQA RESIDENT NSSA CHAIN. SERIALIZATION - DISPATCHER LOCK. OWNERSHIP - DISPATCHER.
332	(14C)	ADDRESS	4	ASCBXASM	- ADDRESS OF THE ASM HEADER. SERIALIZATION - NONE. OWNERSHIP - ASM.
336	(150)	ADDRESS	4	ASCBXASSB	- POINTER TO ADDRESS SPACE SECONDARY BLOCK (ASSB).
340	(154)	ADDRESS	4	ASCBXTCME	- POINTER TO TCXTB. OWNERSHIP - TCAM.
344	(158)	ADDRESS	4	ASCBXGQIR (0)	- ISGQSCAN INFORMATION ROUTINE ADDRESS. SERIALIZATION - COMPARE AND SWAP. OWNERSHIP - GRS
344	(158)	BITSTRING 1...	1	ASCBXGQAB	- BYTE 0 OF ASCBGQIR "X'80" - ISGQSCAN INFORMATION ROUTINE ABENDED FLAG. IF ON, ISGQSCAN INFORMATION ROUTINE UNEXPECTEDLY ABENDED.
345	(159)	BITSTRING	2		- BYTE 1 AND 2 OF ASCBGQIR
347	(15B)	BITSTRING.... ..1	1	ASCBXGQI3 ASCBXGQDS	- BYTE 3 OF ASCBGQIR "X'01" - ISGQSCAN INFORMATION ROUTINE DISABLED FLAG. IF ON, ISGQSCAN WILL NOT INVOKE THE ISGQSCAN INFORMATION ROUTINE.
348	(15C)	SIGNED	4	ASCBXLSQE	- Number of Enclave TCBs that are on a Local Lock Suspend Queue. Ownership: Task Management Serialization: Compare and Swap
352	(160)	DBL WORD	8	ASCBXIOSX	- I/O service measure extended. This is like ASCBIOOSC but it is extended to 8 bytes, so its value continues to grow past the 4GB ASCBIOOSC maximum capacity. Serialization - CSG.
360	(168)	BITSTRING	2	ASCBXR168	- RESERVED.
362	(16A)	BITSTRING	2	ASCBXSVCN	- SVC Number for type-1 SVC Serialization - local lock
364	(16C)	ADDRESS	4	ASCBXRSMSE	- POINTER TO RSM ADDRESS SPACE BLOCK EXTENSION. SERIALIZATION: RSMAD LOCK OWNERSHIP: RSM

ASCB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
368	(170)	SIGNED	4	ASCBVM (0)	- AVAILABILITY MANAGER ADDRESS SPACE RELATED DATA. SERIALIZATION: CS. OWNERSHIP: AVM.
368	(170)	BITSTRING	1	ASCBVM1	- FIRST BYTE OF ASCBVM. RESERVED.
369	(171)	BITSTRING	1	ASCBVM2	- SECOND BYTE OF ASCBVM. RESERVED.
370	(172)	SIGNED	2	ASCBAGEN	- AVM ASID REUSE GENERATION NUMBER.
372	(174)	SIGNED	4	ASCBARC	- REASON CODE ON MEMTERM. SERIALIZATION - N/A. OWNERSHIP - RTM.
376	(178)	ADDRESS	4	ASCBRSM (0)	- ADDRESS OF RSM'S CONTROL BLOCK HEADER.
376	(178)	ADDRESS	4	ASCBRSMA	- ADDRESS OF RSM'S CONTROL BLOCK HEADER.
380	(17C)	SIGNED	4	ASCBCTI	- ACCUMULATED CHANNEL CONNECT TIME INCURRED BY THIS MEMORY
384	(180)	DBL WORD	8	ASCBEND (0)	- END OF ASCB

ASCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASCB	0		ASCBFLG2	73	
ASCBABNT	67	8	ASCBFLG3	35	
ASCBACHA	B6	10	ASCBFL2A	9B	
ASCBFFN	64		ASCBFMCT	98	
ASCBAGEN	172		ASCBFQU	66	20
ASCBARC	174		ASCBFRS	66	40
ASCBASCB	0		ASCBFWDP	4	
ASCBASID	24		ASCBFW1	64	
ASCBASM	14C		ASCBFW2	70	
ASCBASN	24		ASCBFW2A	98	
ASCBASSB	150		ASCBFW3	120	
ASCBASTE	F8		ASCBFW4	138	
ASCBASXB	6C		ASCBGQAB	158	80
ASCBATOV	100		ASCBGQDS	15B	1
ASCBATTA	B7	20	ASCBGQIR	158	
ASCBVM	170		ASCBGQI3	15B	
ASCBVM1	170		ASCBGXL	124	
ASCBVM2	171		ASCBHASI_PREZOS11		
ASCBAXR	10A			36	
ASCBBROKENUP	27	40	ASCBHLHI	29	
ASCBWDP	8		ASCBHREQ_PREZOS11		
ASCBVBVE	B6	1		9C	
ASCBCEXT	73	20	ASCBINTS	130	
ASCBCHAP	B7	4	ASCBIODP	E7	
ASCBCMLC_PREZOS12			ASCBIOSC	140	
	F0		ASCBIOSP	18	
ASCBCMLW	EC		ASCBIOSX	160	
ASCBCNIP	35	80	ASCBIQEA	A0	
ASCBCSCB	38		ASCBJAFBADDR	118	
ASCBCS1	120		ASCBJBNI	AC	
ASCBCS2	121		ASCBJBNS	B0	
ASCBCTI	17C		ASCBJSTE	66	10
ASCBDETA	B7	40	ASCBJSTL	50	
ASCBDFLT	B4	40	ASCBLDA	30	
ASCBDP	2B		ASCBLEVL	9A	
ASCBDPH	2A		ASCBLKGP	80	
ASCBDPHI	2A		ASCBLLWQ	78	
ASCBDSG1	B7	80	ASCBLL1	138	
ASCBDSG2	B6	80	ASCBLL2	139	
ASCBDSG3	B5	80	ASCBLL3	13A	
ASCBDSG4	B4	80	ASCBLL4	13B	
ASCBDSP1	72		ASCBLL5	28	
ASCBSTK	67	40	ASCBLOCI	E8	
ASCBSTZ	67	40	ASCBLOCK	80	
ASCBSTER	120	4	ASCBLSAS	67	80
ASCBDTIN	121	20	ASCBLSQE	15C	
ASCBDUMP	60		ASCBLSQT	DC	
ASCBEATT	128		ASCBLSWQ	84	
ASCBECB	54		ASCBLTCB	D0	
ASCBEGIN	0		ASCBLTCL	84	1
ASCBEJST	40		ASCBLTCTN	D4	
ASCBEND	180		ASCBLTCS	C	
ASCBETC	104		ASCBLTOV	FC	
ASCBETCN	106		ASCBLXR	108	
ASCBEWST	48		ASCBMCC	A8	
ASCBFAIL	72	40	ASCBMECB	8C	
ASCBFLG1	67		ASCBMEMP	67	4

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASCBMINI	B6	2	ASCBSSSP	F7	2
ASCBMTER	B6	4	ASCBSSSS	72	10
ASCBNCML	73	8	ASCBSTAT	B7	2
ASCBNDP	E4		ASCBSTKH	10C	
ASCBNOFT	121	4	ASCBSTND	72	8
ASCBNOMD	73	2	ASCBSUPC_PREZOS12		
ASCBNOMT	73	4		10	
ASCBNOPR	9B	80	ASCB SVCN	16A	
ASCBNOQ	72	2	ASCB SVRB_PREZOS12		
ASCBNSQA	148			10	
ASCBNTSG	E6		ASCB SWCT	70	
ASCBN2LP	34	20	ASCB SWOP	120	1
ASCB OUCB	90		ASCB SWTL	C4	
ASCBOUT	66	4	ASCB SYNC_PREZOS12		
ASCB OUXB	94			14	
ASCBPCTT	BC		ASCB S2S	73	10
ASCBPER	C3	40	ASCB S3NL	84	80
ASCBPERO	120	2	ASCB S3S	28	20
ASCBPERS	120	8	ASCB TCBE	2C	
ASCBPKML	144	0	ASCB TCBS	D8	
ASCBPO1M	121	2	ASCB TCBV	B6	20
ASCBPURD	B7	1	ASCB TCME	154	
ASCBPXMT	73	40	ASCB TERM	67	10
ASCBP1M0	121	1	ASCB TLCH	5C	
ASCBQECCB	88		ASCB TMCH	68	
ASCBQVER	B5	1	ASCB TMLW	66	2
ASCBRCMS	13C		ASCB TMNO	66	80
ASCB RCTF	66		ASCB TNDP	E5	
ASCB RCTI	B6	40	ASCB TOFF	66	1
ASCB RCTP	7C		ASCB TSB	3C	
ASCBREUS	35	40	ASCB TYP1	13B	2
ASCB RSM	178		ASCB UBET	58	
ASCB R SMA	178		ASCBURRQ_PREZOS11		
ASCB R SME	16C			20	80
ASCB R SMF	34		ASCB UWND	72	4
ASCB RTMC	A4		ASCB VCMGIVEPREEMPTION		
ASCB RTM1	B7	8		27	20
ASCB RTM2	B7	10	ASCB VCMGIVESIGPANY		
ASCB R0F0	F0			27	10
ASCB R01C	1C		ASCB VCMOVERRIDE		
ASCB R010	10			27	80
ASCB R020	20		ASCB VEQR	34	10
ASCB R026	26		ASCB VERS	9A	3
ASCB R036	36		ASCB VGTT	B8	
ASCB R09C	9C		ASCB VS00	9A	0
ASCB R110	110		ASCB VS01	9A	1
ASCB R122	122		ASCB VS02	9A	2
ASCB R168	168		ASCB VS03	9A	3
ASCB SAS	121	80	ASCB WAIT	66	8
ASCB SAWQ_PREZOS11			ASCB WPRB	E0	
	20		ASCB WQID	1E	
ASCB SCNT	74		ASCB WQLK	1C	
ASCB SDBF	121	8	ASCB XCNT	146	
ASCB SMCT	C2		ASCB XMEC	120	40
ASCB SMGR	121	40	ASCB XMET	120	80
ASCB SNQS	72	20	ASCB XMLK	120	10
ASCB SRBM	C3		ASCB XMNR	121	10
ASCB SRBS	76		ASCB XMPA	120	20
ASCB SRBT	C8		ASCB XMPT	73	80
ASCB SRDP	E4		ASCB XTCB	11C	
ASCB SRMFLAGS	27		ASCB 1LPU	34	40
ASCB SRM1	B5	2	ASCB 2LPU	34	80
ASCB SRQ	B4				
ASCB SRQ1	B4				
ASCB SRQ2	B5				
ASCB SRQ3	B6				
ASCB SRQ4	B7				
ASCB SSJS	F7	1			
ASCB SSND	72	80			
ASCB SSOM	F4				
ASCB SSO1	F4				
ASCB SSO4	F7				
ASCB SSPC	138	80			
ASCB SSRB	C0				

ASEO Information

ASEO Programming Interface Information

Programming Interface Information

ASEO

End of Programming Interface Information

ASEO Heading Information • ASEO Map

ASEO Heading Information

Common Name: ASCRE Create Output data area
Macro ID: IHAASEO
DSECT Name: ASEO
Owning Component: Address Space Services (SCASE)
Eye-Catcher ID: None
Offset: N/A
Length: N/A
Storage Attributes: Subpool: N/A, USER-PROVIDED
Size: 24 bytes
Created by: User of ASCRE in user-provided storage
Pointed to by: N/A
Serialization: N/A
Function: Maps the output data area that the system provides at the location specified by the ODA parameter on the address space creation macro, ASCRE. The area contains the ASID and STOKEN of the created address space and the ECBs that the ASCRE issuer can use in initializing the address space.

ASEO Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ASEO	
0	(0)	BITSTRING	8	ASEOSTKN	64-bit stoken of new ASCB
8	(8)	ADDRESS	4	ASEOASCB	ASCB of new address space
12	(C)	ADDRESS	4	ASEOECB	ECBs, basing for IEZEAECB
16	(10)	BITSTRING	8	ASEORSV1	Reserved

ASMHD Information

ASMHD Heading Information

Common Name: Auxiliary Storage Management Header
Macro ID: ILRASMHD
DSECT Name: ASMHD
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: Above 16 Megabytes virtual
Size: 112 bytes
Created by: ILRASHCD
Pointed to by: ASCBASM field of ASCB data area
Serialization: The ASMGL lock is used to serialize: I/O control flags, swap and page counters, and the swap queues. The ASM class lock of the owning address space is used to serialize the VIO control flags and LGE queue base pointer.
Function: ASMHD is used by ASM to manage paging I/O and swap operations for each private address space. ASM also uses ASMHD to control all operations for VIO data sets owned by a private address space.

ASMHD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	112	ASMHD	ASM Header
0	(0)	BITSTRING	1	ASHFLAG1	I/O control flags
		1... ..		ASHSWPOT	Swap-out flag. 1 = Swap-out operation in progress, 0 = No swap-out in progress
		.1.. ..		ASHCAPER	Swap capture queue error. 1 = One or more swap-out AIAs on swap capture queue has suffered an I/O error, 0 = All AIAs on swap capture queue have completed successfully
		..1.		ASHPERME	Permanent software error flag. 1 = One or more swap-out AIAs on the swap capture queue has a non-restartable soft error, 0 = All AIAs on the swap capture queue have no logical errors
		...1		ASHRSV2	Reserved
		.... 1..		ASHRSV3	Reserved
		.... .1.		ASHRSV4	Reserved
		.... .1.		ASHRSV5	Reserved
		.... ...1		ASHRSV6	Reserved
1	(1)	BITSTRING	1	ASHFLAG2	VIO control flags
		1... ..		ASHSCHE2	SRB controller scheduled flag. 1 = SRB controller has been scheduled, but not dispatched SRB for address space not available, 0 = SRB for address space available
		.1..		ASHRSV13	Reserved
		..1.		ASHRSV7	Reserved
		...1		ASHRSV8	Reserved
		.... 1..		ASHRSV9	Reserved
		.... .1.		ASHRSV10	Reserved
		.... .1.		ASHRSV11	Reserved
		.... ...1		ASHRSV12	Reserved
2	(2)	SIGNED	2	ASHRSV15	Reserved
4	(4)	SIGNED	4	ASHSWPCT	Count of started/not complete LSQA swap-out AIAs
8	(8)	SIGNED	4	ASHRSV14	Reserved
12	(C)	ADDRESS	4	ASHSWAPQ	Swap queue for AIAs, this queue is a hold queue for LSQA AIAs during swap-out processing of non-LSQA I/O
16	(10)	ADDRESS	4	ASHCAPQ	Swap capture queue used to collect I/O complete AIAs during LSQA swap-out processing
20	(14)	SIGNED	4	ASHLOCK	Lock word for ASM class lock, used by VIO control processing
24	(18)	ADDRESS	4	ASHVSRBP	Address of SRB used by VIO control to dispatch the SRB controller. This pointer is zero if no VIO data sets have ever been used by the address space. Once created, the SRB is not freed until address space termination.
28	(1C)	ADDRESS	4	ASHLGEQ	Address of first LGE in queue of LGEs for VIO data sets
32	(20)	UNSIGNED	4	ASHNSWRR	Count of non-swap write request AIAs received by I/O control for this address space. This does not include swap that spills to paging data sets or migration I/O.
36	(24)	UNSIGNED	4	ASHNSWRQ	Count of non-swap write request AIAs completed and returned to RSM for this address space. This does not include swap that spills to paging data sets or migration I/O.

ASMHD Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
40	(28)	UNSIGNED	8	ASHSCMIORQR	
48	(30)	UNSIGNED	8	ASHSCMIORQC	
56	(38)	UNSIGNED	8	ASHSCMNSWRR	
64	(40)	UNSIGNED	8	ASHSCMNSWRC	
72	(48)	UNSIGNED	8	ASHSCM1MRQR	
80	(50)	UNSIGNED	8	ASHSCM1MRQC	
88	(58)	UNSIGNED	8	ASHSCM1MWRR	
96	(60)	UNSIGNED	8	ASHSCM1MWRC	
104	(68)	UNSIGNED	4	ASHACTIVEREQS	
108	(6C)	UNSIGNED	4	ASHRSVD1	Count of active I/O requests / for this address space. Reserved

ASMHD Cross Reference

Name	Hex Offset	Hex Value
ASHACTIVEREQS	68	
ASHCAPER	0	40
ASHCAPQ	10	
ASHFLAG1	0	
ASHFLAG2	1	
ASHLGEQ	1C	
ASHLOCK	14	
ASHNSWRC	24	
ASHNSWRR	20	
ASHPERME	0	20
ASHRSVD1	6C	
ASHRSV10	1	04
ASHRSV11	1	02
ASHRSV12	1	01
ASHRSV13	1	40
ASHRSV14	8	
ASHRSV15	2	
ASHRSV2	0	10
ASHRSV3	0	08
ASHRSV4	0	04
ASHRSV5	0	02
ASHRSV6	0	01
ASHRSV7	1	20
ASHRSV8	1	10
ASHRSV9	1	08
ASHSCHEM	1	80
ASHSCMIORQC	30	
ASHSCMIORQR	28	
ASHSCMNSWRC	40	
ASHSCMNSWRR	38	
ASHSCM1MRQC	50	
ASHSCM1MRQR	48	
ASHSCM1MWRC	60	
ASHSCM1MWRR	58	
ASHSWAPQ	C	
ASHSWPCT	4	
ASHSWPOT	0	80
ASHVSRBP	18	
ASMHD	0	

ASMVT Information

ASMVT Heading Information

Common Name: ASM Vector Table
Macro ID: ILRASMVT
DSECT Name: ASMVT
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Nucleus
 Key: 0
 Residency: Below 16M
Size: 1280 bytes
Created by: ILRASRIM
Pointed to by: CVTASMVT
Serialization: The ASM global lock. Compare and swap logic is used to serialize group operator sections and the pool controller queues.
Function: The ASMVT is a collection of general ASM information to be used by most ASM functions.

ASMVT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	1280	ASMVT	ASM Vector Table	
0	(0)	BITSTRING	1	ASMFLAG1	ASM global flag field 1	
		1... ..		ASMCOMMONDSEXISTS	1=Common page data set exists	
		.1.. ..		ASMNPRIM	No primary page data set flag. 1 = Do not write to the primary page data set, 0 = Process common pages normally	
		..1.		ASMNOLCL	No local data paging flag. 1 = All writes must be sent to the primary page data set, 0 = Write private pages normally	
		...1		ASMPGDEL	PAGEDEL in progress flag. 1 = PAGEDEL is currently in process, 0 = PAGEDEL not active.	
		.... 1...		ASMPADSEXISTS	1=PLPA page data set exists	
		.... .1..		ASMPLPAF	PLPA data set full flag. 1 = PLPA data set full, 0 = PLPA data set not full	
		.... ..1.		ASMMOMF	Common data set full flag. 1 = Common data set full, 0 = Common data set not full	
		.... ...1		ASMPLPAS	PLPA data set spill flag. 1 = PLPA data set spilled to common data set during PLPA build at NIP time, 0 = PLPA data set not full after PLPA build	
1	(1)	BITSTRING	1	ASMFLAG2	ASM global flag field 2	
		1... ..		ASMDSRO	Data sets made read-only flag. 1 = ILRPGDEL has made data sets read-only on a delete request, 0 = ILRPGDEL has not made data sets read-only.	
		.1..		ASMNOSAV	No save flag. 1 = VIO journaling data set unavailable or full, save requests not done, 0 = VIO journaling data set available for use	
		..1.		ASMNOTMR	No task mode release flag. 1 = Task mode release (ILRTMRLG) has suffered indeterminate errors, do not post its ECB, 0 = ILRTMRLG running normally	
		...1		ASMNPT	No TPARTBLE flag. 1 = A read or write of TPARTBLE has failed, it is not up to date, 0 = TPARTBLE available and correct	
		.... 1...		ASMQUICK	Quick start IPL flag. 1 = ASM initialization processed PLPA in quick start mode (not CLPA), 0 = ASM initialization processed PLPA in cold start mode (CLPA), or was forced to convert to cold start mode	
		.... .1..		ASMWARM	Warm start IPL flag. 1 = ASM initialization processed VIO data sets in warm start mode (not CVIO), 0 = ASM initialization processed VIO data sets in CVIO mode, or was forced to convert a warm start request to CVIO	
		.... ..1.		ASMPILL	VIO overflow flag. 1 = Message issued indicating VIO spilled to non-VIO data sets, 0 = No message issued yet for VIO spill	
		.... ...1		ASMNOWM	No warm start flag. 1 = Message issued indicating a VIO journaling data set failure, future warm starts will fail, 0 = no warm start failure message yet	
2	(2)	CHARACTER	2	ASMRV2	Reserved	
4	(4)	ADDRESS	4	ASMTDVT	DEVTAB address during NIP	
8	(8)	ADDRESS	4	ASMPART	Address of paging activity reference table - PART	
12	(C)	ADDRESS	4	ASMGOS	Address of ILRGOS, used by ILRCALL macro. AMODE in high order bit	
16	(10)	ADDRESS	4	ASMTRPAG	Address of ILRTRPAG, entry point in ILRPOS, used by ILRCALL macro. AMODE in high order bit	
20	(14)	ADDRESS	4	ASMEREC	Address of bad slot error record maintained by ILRCMP	
24	(18)	ADDRESS	4	ASMMGBF	Address of message buffer used by ASM message routine	
28	(1C)	UNSIGNED	1	ASMCOMDS	Index into the PART to the page data set to receive PLPA and common area writes	
29	(1D)	BITSTRING	1	ASMSECP	NOP flags to be copied into the NOP CCW of each channel program	
30	(1E)	BITSTRING	1	ASMFLAG3	ASM global flag field 3	

ASMVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		ASMWTO5E	1 = ILR005E was issued during this IPL. 0 = ILR005E has not been issued during this IPL.
		.1..		ASMCINIT	1 = Post-MSI cache initialization has been completed
		.1.		ASMPREFERSCM	1 = For testing purposes - Make SCM always look fastest
		...1		ASMPREFERDASD	1 = For testing purposes - Make SCM always look slowest
		.... 1..		ASMSCMWRITESPROHIBITED	1 = Writes are temporarily prohibited.
		.... .1..		ASMSCMRBSCHEDULED	1 = SCMRB scheduled
		.... ..11		*	Unused
31	(1F)	CHARACTER	1	ASMRSV5	Reserved
32	(20)	ADDRESS	4	ASMDSECB	Dataset ENQ ECB
36	(24)	SIGNED	4	ASMGLLOK	ASM global lock word

Comment

The following section of the ASMVT is used primarily by the I/O control modules of ASM.

End of Comment

40	(28)	SIGNED	4	ASMIORQR	Count of I/O requests (AIAs) received by I/O control, this does not include LSQA swap AIAs
44	(2C)	SIGNED	4	ASMIORQC	Count of I/O requests (AIAs) completed and returned to RSM
48	(30)	SIGNED	4	ASMSWRQR	Count of LSQA swap AIAs received by I/O control
52	(34)	SIGNED	4	ASMSWRQC	Count of LSQA swap AIAs completed and returned to RSM
56	(38)	ADDRESS	4	ASMPATOF	Address of ILRPATOF
60	(3C)	SIGNED	4	ASMOFFLN	Count of the number frames that will go offline after I/O completion
64	(40)	ADDRESS	4	ASMPCCWQ	Queue of available PCCWs
68	(44)	ADDRESS	4	ASMMIGRT	Address of ILRMIGRT
72	(48)	SIGNED	4	ASMPCCWN	Number of PCCWs built by RIM
76	(4C)	ADDRESS	4	ASMCVRTV	Address of ILRCVRTV
80	(50)	ADDRESS	4	ASMSCMMGPTR	
84	(54)	SIGNED	4	ASM0PCCW	Count of times no PCCWs were available
88	(58)	ADDRESS	4	ASMPSRB	Address of SRB used to schedule ILREDRV from ILRPAGCM
92	(5C)	ADDRESS	4	ASMSWSRB	Address of SRB used to schedule ILRSWLIO from ILRSLSQA
96	(60)	ADDRESS	4	ASMPGSRB	Address of SRB used to schedule ILRCMSRB from recovery
100	(64)	ADDRESS	4	ASMRSRB	Address of SRB used to pass error AIAs to RSM
104	(68)	ADDRESS	4	ASMPTERM	Address of ILRPREAD I/O termination exit
108	(6C)	ADDRESS	4	ASMRFRSRB	ILRFRSRB SRB address

Comment

The following section of the ASMVT is used for page data set slot accounting.

End of Comment

112	(70)	UNSIGNED	4	ASMSLOTS	Count of total local slots in all open local page data sets
116	(74)	UNSIGNED	4	ASMVSC	Count of total local slots allocated to VIO private area pages
120	(78)	UNSIGNED	4	ASMNVSC	Count of total local slots allocated to non-VIO private area pages
124	(7C)	UNSIGNED	4	ASMERRS	Count of bad slots found on local data sets during normal operations

Comment

The following section of the ASMVT is used primarily by the VIO controller and the group operator modules.

End of Comment

128	(80)	ADDRESS	4	ASMRFRSEP	ILRFRSRB entry point
132	(84)	ADDRESS	4	ASMLGVT	Address of the logical group vector table
136	(88)	ADDRESS	4	ASMSTGXA	Address of the ACB for VIO journaling data set
140	(8C)	SIGNED	4	ASMCINV	Number of control intervals in the VIO journaling data set
144	(90)	CHARACTER	8	ASMLSAI	ASM storage locator 'S' symbol generator, last 'S' symbol assigned
144	(90)	SIGNED	4	ASMLSAIL	Low word of 'S' symbol generator
148	(94)	SIGNED	4	ASMLSAIH	High word of 'S' symbol generator
152	(98)	CHARACTER	8	ASMGOSQS	Double word reference for ILRGOS work queues
152	(98)	SIGNED	4	ASMGOSWT	Queue of elements for ACEs waiting for VSAM buffer to become available, used by ILRGOS
156	(9C)	SIGNED	4	ASMGOSWK	FIFO work queue of elements for ACEs, used by ILRGOS to start operations waiting for VSAM buffers
160	(A0)	SIGNED	4	ASMREQCT	Number of simultaneous requests that can be made to VSAM, this number (minus one for ILRTMLG's use) corresponds to the string number parameter on the open for the VIO journaling data set

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
164	(A4)	ADDRESS	4	ASMTCBPT	Address of ASM TCB
164	(A4)	ADDRESS	4	ASMDSTPT	DSTBL address. Used by ILRASRIM and ILRASRM1 before the ASM TCB is attached.
168	(A8)	SIGNED	4	ASMTMECB	ECB used by ILRTMRLG to wait for work, this ECB is posted by ILRRLG
172	(AC)	SIGNED	4	ASMRGRQ	Request queue for ILRTMRLG consisting of ACEs queued by ILRRLG, queue is serialized by compare and swap logic
176	(B0)	SIGNED	4	ASMRGWQ	Work queue for ILRTMRLG to hold ACEs moved from request queues
180	(B4)	ADDRESS	4	ASMTASCB	Address of ASCB for address space in which ILRTMRLG is running
184	(B8)	SIGNED	4	ASMVSAMW	Queue of elements for ACEs waiting for a particular record on the VIO journaling data set to become available, used by ILRVSAM1
188	(BC)	CHARACTER	4	ASMVIO	VIO global flags. Updated by compare and swap
188	(BC)	BITSTRING	1	ASMVIOF1	First flag byte
		1...		ASMDVIO	Global switch for directed VIO function. 1 = Directed VIO operational, 0 = Directed VIO function off. Updated by SRM.
		.1.		ASMNVIO	VIO conversion free flag. 1 = Do not free entry after VIO conversion, 0 = Free entry after VIO conversion
		..1.		ASMRPLF	When set, indicates that TERMPL for VSAM resources has failed. Later processing cannot count on those resources being available.
		...1		ASMVIOJ	1 = VIO journaling is active 0 = Installation has indicated that VIO journaling not needed via VIODSN parameter or by response to message IEA377D during IPL. Is not reset if dynamic allocation or OPEN of the dataset fails (ASMSTGXA will be set to zero, instead).
		.... 1111		ASMRV8	Reserved
189	(BD)	CHARACTER	3	ASMRV9	Reserved

Comment

The following section of the ASMVT contains entry point addresses of those ASM routines or subroutines that are called by more than one module, or that reside in LPA. LPA routine entry points are determined at task mode initialization.

End of Comment

192	(C0)	ADDRESS	4	ASMSWEP	Address of ILRSWLIO, LSQA driver entry point of ILRIODRV
196	(C4)	ADDRESS	4	ASMPFRSL	Address of ILRFRSL1, entry point of ILRFRSLT
200	(C8)	ADDRESS	4	*	Reserved
204	(CC)	ADDRESS	4	ASMPEDRV	Address of ILREDRV, redrive entry point of ILRIODRV
208	(D0)	ADDRESS	4	*	Reserved
212	(D4)	ADDRESS	4	ASMPSRMT	Address of ILRPSRMT, (ILREDRV, ILRSWLIO, and resume RMTR)
216	(D8)	ADDRESS	4	ASMPSRBC	Address of ILRSRBC
220	(DC)	ADDRESS	4	ASMPVRMTR	Address of ILRSRBRM, entry point of ILRSRBC for VIO RMTR
224	(E0)	ADDRESS	4	ASMPX	Address of ILRPEX
228	(E4)	ADDRESS	4	ASMPCMPDI	Address of ILRCMPDI, entry point of ILRCMP. AMODE in high order bit.
232	(E8)	ADDRESS	4	ASMPCMPNE	Address of ILRCMPNE, entry point of ILRCMP. AMODE in high order bit.
236	(EC)	ADDRESS	4	ASMPMPAE	Address of ILRCMPAE, entry point of ILRCMP. AMODE in high order bit.
240	(F0)	ADDRESS	4	ASMPCMP	Address of ILRCMP. AMODE in high order bit
244	(F4)	ADDRESS	4	ASMPSAV	Address of ILRSVAV
248	(F8)	ADDRESS	4	ASMPACT	Address of ILRACT
252	(FC)	ADDRESS	4	ASMPRLG	Address of ILRRLG
256	(100)	ADDRESS	4	ASMPFRLG	Address of ILRFRELG, entry point of ILRGOS
260	(104)	ADDRESS	4	ASMPMSG0	Address of ILRMSG00
264	(108)	ADDRESS	4	ASMPMSGSP	Address of ILRMSGSP, entry point of ILRMSG00
268	(10C)	ADDRESS	4	ASMPVACQ2	Address of ILRVACQ2, entry point of ILRFRR01
272	(110)	ADDRESS	4	ASMPIOFR	Address of ILRIOFRR, I/O control recovery routine
276	(114)	ADDRESS	4	ASMPVACE	Address of ILRVACE, entry point of ILRFRR01
280	(118)	ADDRESS	4	ASMPMRB	Address of ILRCMSRB, routine to handle completed I/O from recovery
284	(11C)	ADDRESS	4	ASMPRSRB	Address of ILRRSMRB, SRB routine used to pass error AIAs to IARGIOCM
288	(120)	ADDRESS	4	ASMPFRSLU	Address of ILRFRSLU, entry point of ILRFRSLT for unlocked routines

Comment

The following section of the ASMVT is used by PAGEDEL processing.

End of Comment

292	(124)	ADDRESS	4	ASMPDAIA	Queue header for migration AIAs
296	(128)	CHARACTER	4	ASMPDECB	Migration ECB
300	(12C)	ADDRESS	4	ASMXARTE	Address of replacement XARTE
304	(130)	SIGNED	2	ASMPDCNT	Count of outstanding migration I/O requests
306	(132)	UNSIGNED	2	ASMXSPCW	Count of excess PCCWs
308	(134)	UNSIGNED	2	ASMXSSCW	Count of excess SCCWs
310	(136)	CHARACTER	2	ASMRV10	Reserved

ASMVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The following section of the ASMVT contains the pool controllers that are used by the GMA macro to obtain and release cells for those routines requiring one of these control blocks. The pool controller mapping appears at the end of the ASMVT.</p>					
End of Comment					
312	(138)	CHARACTER	16	ASMBWKPC	320 byte workarea pool controller
328	(148)	CHARACTER	16	ASMSWKPC	576 byte workarea pool controller, used exclusively by ILRVSAM1
344	(158)	CHARACTER	24	ASMACEPC	ACE pool controller
Comment					
<p>The following section of the ASMVT contains work-save areas used by the ASM routines that run with the ASMGL lock.</p>					
End of Comment					
368	(170)	CHARACTER	160	ASMWKS A2	Used by ILRPOS
528	(210)	CHARACTER	80	ASMWKS A3	Used by ILRFRSLT
608	(260)	CHARACTER	160	ASMWKS AR	Used by ILRDRV01
768	(300)	CHARACTER	80	ASMWKS A6	Used by ILRVIOCM
848	(350)	CHARACTER	80	ASMWKS A7	Used by ILRPEX and ILRMSG00
928	(3A0)	CHARACTER	72	ASMSAVE	Standard register save area used by ASM when calling other routines
Comment					
<p>The following section contains PAGEDEL tuning parameters.</p>					
End of Comment					
1000	(3E8)	BITSTRING	4	ASMWTTM1	Wait interval for aging pages off of read-only data sets
1004	(3EC)	BITSTRING	4	ASMWTTM2	Wait interval for quiescing data set I/O activity
1008	(3F0)	SIGNED	4	ASMCONT1	Contingency factor for deciding whether or not to make all data sets read-only
1012	(3F4)	SIGNED	4	ASMCONT2	Contingency factor for deciding whether or not to begin migrating a particular data set
1016	(3F8)	ADDRESS	4	ASMCVRTP	Address of ILRCVRTP
1020	(3FC)	ADDRESS	4	*	Reserved
1024	(400)	CHARACTER	80	ASMWKS A5	Used by ILRSWAP and SWP01
1104	(450)	ADDRESS	4	ASMRDSNL	Replacement DSNLIST used by PAGEADD and PAGEDEL.
1108	(454)	SIGNED	4	ASMPDACT	Active/queued PAGEDEL count
Comment					
<p>The following section contains SRM large job management counts</p>					
End of Comment					
1112	(458)	UNSIGNED	4	ASMNSWRR	Count of non-swap write requests (AIAs) received by I/O control. This does not include swap that spills to paging data sets, or migration I/O.
1116	(45C)	UNSIGNED	4	ASMNSWRC	Count of non-swap write requests (AIAs) completed and returned to RSM. This does not include swap that spills to paging data sets, or migration I/O.
1120	(460)	CHARACTER	20	ASMWKS A1	Work-save area used by ILRPOS
1140	(474)	UNSIGNED	4	ASMVIOMX	Largest VIO dataset which ASM is prepared to support (i.e. ASM's limit on VIO dataset), this field is in pages and zero-origin. Note: this limitation can be known by DADSM and proper actions can be taken in the allocation time.
1144	(478)	ADDRESS	4	ASMPCMPP	Address of ILRCMPC1, entry point of ILRCMP. AMODE in high order bit.
1148	(47C)	ADDRESS	4	ASMUPDAC	Address of ILRUPDAC, entry point in ILRFRSLT.
1152	(480)	ADDRESS	4	ASMCTBDV	Address of ILRCTBDV
1156	(484)	ADDRESS	4	ASMVDSN	Address of VIO journaling data set name in the data set name list. This is the list of page/swap data set names built during NIP. When VIO journaling is active, its data set name is added to the data set name list.
Comment					
<p>The following section contains page dataset protection data</p>					
End of Comment					
1160	(488)	BITSTRING	8	ASMIPLTM	Time that first page dataset was processed during IPL - this value must not change for the life of IPL
1168	(490)	CHARACTER	52	ASMLSYSI	System token for last dataset that protection was bypassed for during IPL
1220	(4C4)	SIGNED	4	ASMPPRCT	Count of ILRPPROT retries

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

Comment

Data related to the input I/O PCCW queue

End of Comment

1224	(4C8)	ADDRESS	4	ASMIPCCW	Queue of PCCWs reserved for input I/O
1228	(4CC)	SIGNED	4	ASM0IPCW	Number of times no PCCWs were available on ASMIPCCW

Comment

Misc fields

End of Comment

1232	(4D0)	SIGNED	2	ASMPGTHRESH	Usage threshold
1234	(4D2)	CHARACTER	2	ASMRSV4	Reserved
1236	(4D4)	ADDRESS	4	ASMPTR	Pointer to ASMVX (ILRASMVX)
1240	(4D8)	UNSIGNED	4	ASMACTRQ	Count of active I/O requests
1244	(4DC)	CHARACTER	36	ASMRSV3	Reserved

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

1024	(400)	STRUCTURE	80	ASM5WKS	Mapping of work-save area used by ILRSWAP and SWP01
1024	(400)	CHARACTER	52	ASM5RGS	Input register save area
1024	(400)	ADDRESS	4	ASM5RG2	Save area for reg 2
1028	(404)	CHARACTER	48	*	Save area for reg 3 to reg 14
1076	(434)	ADDRESS	4	ASM5SR14	Save area for reg 14
1080	(438)	SIGNED	4	ASM5GCTR	Counter for grouping AIAs
1084	(43C)	SIGNED	4	ASM5SWCT	Count of LSQA AIAs to be swapped
1088	(440)	ADDRESS	4	ASM5AIA	Temporary save area for AIA pointer
1092	(444)	BITSTRING	1	ASM5FLGS	Internal flags
1093	(445)	BITSTRING	1	ASM5CHCK	SARTE status check
1094	(446)	SIGNED	2	ASM5NDEX	Index for looping
1096	(448)	ADDRESS	4	ASM5R14S	Secondary procedure save of register 14
1100	(44C)	SIGNED	2	ASM5RC	Return code
1102	(44E)	CHARACTER	2	ASM5RSVD	Reserved

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

0	(0)	STRUCTURE	24	ASMPOLS	Cell pool controller mapping
0	(0)	CHARACTER	4	ASMCPIID	Cell pool identifier
4	(4)	SIGNED	2	ASMCPSIZ	Size of each cell in pool
6	(6)	SIGNED	2	ASMCPEXT	Number of cells in pool extension
8	(8)	CHARACTER	8	ASMCPAVL	Available cell pool control
8	(8)	ADDRESS	4	ASMCPAVL	Address of first available cell in pool
12	(C)	SIGNED	4	ASMCPCNT	Count for synchronization of this pool, decremented when removing a cell from pool, unchanged when placing a cell back in the pool
16	(10)	CHARACTER	8	ASMCPRSQ	ACE pool only, ACE reserve cell pool control
16	(10)	SIGNED	4	ASMCPTAK	ACE pool only, number of cells taken from reserve queue
20	(14)	ADDRESS	4	ASMCPRES	ACE pool only, reserve queue of ACE cells used only when ACE required by routines running with the ASMGL lock

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

0	(0)	STRUCTURE	1	ASMDOPTS	
		1.. ..		ASMDFULL	Full report requested or defaulted to.
		.1.. ..		ASMDSUMM	Summary report requested
		..1.		ASMDVIOO	VIO report requested
		...1		ASMDPERR	Parse service error
		.... 1111		*	Reserved

ASMVT Constants • ASMVT Cross Reference

ASMVT Constants

Len	Type	Value	Name	Description
Comment				
Health checker entry codes.				
End of Comment				
4	DECIMAL	1	ASMHC_NUMLOCALSCHECK	
4	DECIMAL	2	ASMHC_PAGEADD	
4	DECIMAL	3	ASMHC_PLPA_COMMON_SIZE	
4	DECIMAL	4	ASMHC_LOCALSLOTUSAGE	
4	DECIMAL	5	ASMHC_PLPA_COMMON_USAGE	

Comment				
Constant for maximum number of aux slots. This constant is based on the maximum number of local page data sets (253), and the maximum number of slots per data set (16777215 = 'FFFFFF'x).				

End of Comment				
4	DECIMAL	-50331901	ASMMAXSLOTS	
6	CHARACTER	*NONE*	KASMNOPAGEDATASET	Used in parsing the PAGE= parm
4	NUMB HEX	7FFFFBAD	KASMUBSVSA	

Comment				
Misc Constants				

End of Comment				
4	DECIMAL	1	KASM_SCMRB_RESUMEACCESS	SCMRB - access resumed
4	DECIMAL	2	KASM_SCMRB_ACCESSPROHIBITED	SCMRB - access prohibited

ASMVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASMACEPC	158		ASMERRS	7C	
ASMACTRQ	4D8		ASMFLAG1	0	
ASMBWKPC	138		ASMFLAG2	1	
ASMCINIT	1E	40	ASMFLAG3	1E	
ASMCINV	8C		ASMFRSEP	80	
ASMCOMDS	1C		ASMFRSRB	6C	
ASMCOMMF	0	02	ASMGLLOK	24	
ASMCOMMONDSEXISTS	0	80	ASMGOS	C	
ASMCNT1	3F0		ASMGOSQS	98	
ASMCNT2	3F4		ASMGOSWK	9C	
ASMCPAVL	8		ASMGOSWT	98	
ASMCPAVQ	8		ASMIORQC	2C	
ASMCPCNT	C		ASMIORQR	28	
ASMCPEXT	6		ASMIPCCW	4C8	
ASMCPID	0		ASMIPLTM	488	
ASMCPRES	14		ASMLGVT	84	
ASMCPRSQ	10		ASMLSAI	90	
ASMCPSIZ	4		ASMLSAIH	94	
ASMCPTAK	10		ASMLSAIL	90	
ASMCTBDV	480		ASMLSYSI	490	
ASMCVRTP	3F8		ASMMIGRT	44	
ASMCVRTV	4C		ASMMSGBF	18	
ASMDFULL	0	80	ASMNFBVIO	BC	40
ASMDOPTS	0		ASMNOLCL	0	20
ASMDPERR	0	10	ASMNOSAV	1	40
ASMDSECB	20		ASMNOTMR	1	20
ASMDSRO	1	80	ASMNOTPT	1	10
ASMDSTPT	A4		ASMNOWM	1	01
ASMDSUMM	0	40	ASMNPRIM	0	40
ASMDVIO	BC	80	ASMNWRRC	45C	
ASMDVIOO	0	20	ASMNWRR	458	
ASMEREC	14		ASMNVSC	78	
			ASMOFFLN	3C	

ASMVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASMPACT	F8		ASMTDVT	4	
ASMPART	8		ASMTMECB	A8	
ASMPATOF	38		ASMTRPAG	10	
ASMPCCWN	48		ASMTRPLF	BC	20
ASMPCCWQ	40		ASMUPDAC	47C	
ASMPCCMP	F0		ASMVDSN	484	
ASMPCCMPA	EC		ASMVIO	BC	
ASMPCCMPD	E4		ASMVIOF1	BC	
ASMPCCMPN	E8		ASMVIOJ	BC	10
ASMPCCMPP	478		ASMViomX	474	
ASMPCCMRB	118		ASMVrmtr	DC	
ASMPDACT	454		ASMVsamw	B8	
ASMPDAIA	124		ASMVSC	74	
ASMPDCNT	130		ASMVT	0	
ASMPDECB	128		ASMWARM	1	04
ASMPEDRV	CC		ASMWKSAR	260	
ASMPPEX	E0		ASMWKSA1	460	
ASMPFRLG	100		ASMWKSA2	170	
ASMPFRSL	C4		ASMWKSA3	210	
ASMPFRSU	120		ASMWKSA5	400	
ASMPGDEL	0	10	ASMWKSA6	300	
ASMPGSRB	60		ASMWKSA7	350	
ASMPGTHRESH	4D0		ASMWTO5E	1E	80
ASMPIOFR	110		ASMWTTM1	3E8	
ASMPPLADSEXISTS			ASMWTTM2	3EC	
	0	08	ASMXARTE	12C	
ASMPPLPAF	0	04	ASMXPTR	4D4	
ASMPPLPAS	0	01	ASMXSPCW	132	
ASMPMSG0	108		ASMXSSCW	134	
ASMPMSG0	104		ASM0IPCW	4CC	
ASMPPOOLS	0		ASM0PCCW	54	
ASMPPRCT	4C4		ASM5AIA	440	
ASMPREFERDASD			ASM5CHCK	445	
	1E	10	ASM5FLGS	444	
ASMPREFERSCM	1E	20	ASM5GCTR	438	
ASMPRLG	FC		ASM5NDEX	446	
ASMPRSRB	11C		ASM5RC	44C	
ASMPSAV	F4		ASM5RGSV	400	
ASMPSRB	58		ASM5RG2	400	
ASMPSRBC	D8		ASM5RSVD	44E	
ASMPSRMT	D4		ASM5R14S	448	
ASMPTERM	68		ASM5SR14	434	
ASMPVACE	114		ASM5SWCT	43C	
ASMPVACQ	10C		ASM5WKSv	400	
ASMQUICK	1	08			
ASMRDSNL	450				
ASMREQCT	A0				
ASMRGRQ	AC				
ASMRGWQ	B0				
ASMRSRB	64				
ASMRsv10	136				
ASMRsv2	2				
ASMRsv3	4DC				
ASMRsv4	4D2				
ASMRsv5	1F				
ASMRsv8	BC	0F			
ASMRsv9	BD				
ASMSAVE	3A0				
ASMSCMMGPTR	50				
ASMSCMRBSCHEDULED					
	1E	04			
ASMSCMWRITESPROHIBITED					
	1E	08			
ASMSECP	1D				
ASMSLOTS	70				
ASMSPILL	1	02			
ASMSTGXA	88				
ASMSWEP	C0				
ASMSWKPC	148				
ASMSWRQC	34				
ASMSWRQR	30				
ASMSWSRB	5C				
ASMTASCB	B4				
ASMTCBPT	A4				

ASPCT Information

ASPCT Heading Information

Common Name: ASM Page Correspondence Table
Macro ID: ILRASPCT
DSECT Name: ASPCT
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: ASPC
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: YES
 Subpool: 255
 Key: 0
 Data Space: NO
 Residency: Above 16 megabytes
Size: Base segment =
 1600 bytes + number of LPME and ASST extensions added
 at 1600 bytes each
Created by: ILRGOS
Pointed to by: LGEASPCT field of the LGE data area
Serialization: ASM class lock of the owning address space when paging
 operations are being performed.
 When a group operation is in progress, ASPCT serialization
 is maintained by the ACE for the group operation that is on
 the LGE process queue. The LGE process queue insures that
 page and group operations are not performed in parallel for
 a given logical group and its ASPCT.
Function: Describes portions of a logical group where pages
 have been written to auxiliary storage and contains
 additional information essential to a logical group.

ASPCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1600	ASPCT	
0	(0)	CHARACTER	48	ASPHDR	Header fields
0	(0)	CHARACTER	4	ASPIDENT	Base ASPCT identifier 'ASPC'
4	(4)	SIGNED	4	ASPLGID	Logical group identifier for this ASPCT
8	(8)	CHARACTER	12	ASPBKEY	VSAM imbedded key for SYS1.STGINDEX
8	(8)	CHARACTER	8	ASPSYIM	Storage locator 'S' symbol. Contents valid only after an ASPCT has been saved at least once.
16	(10)	SIGNED	4	*	Extension number - zero in base ASPCT
20	(14)	ADDRESS	4	ASPAASCB	Address of ASCB for address space owning this LG
24	(18)	ADDRESS	4	ASPLGE	Address of LGE for LG this ASPCT represents.
28	(1C)	BITSTRING	1	ASPLFLAG	ASPCT flags
		1...		ASPSAVED	Saved flag. 1=ASPCT has been saved at least once, 0=ASPCT has not been saved
		.1..		ASPSAVRP	Released after save flag. 1=at least one saved page has been rewritten under new LSID since the last save of this ASPCT, 0=no released after save pages
		..11 1111		*	Reserved
29	(1D)	UNSIGNED	1	ASPAEXCT	Total number of ASST extensions built for this ASPCT
30	(1E)	SIGNED	2	ASPXEXCT	Total number of ASSX extensions built for this ASPCT
32	(20)	UNSIGNED	4	ASPMAXPN	Maximum RPN specified at Assign LGN time
36	(24)	CHARACTER	4	ASPRSV1	Reserved
40	(28)	SIGNED	4	ASPSAVCT	Number of slots (LSIDs) saved by save operator for this LG. This count is only valid in the saved copy of the ASPCT
44	(2C)	SIGNED	4	ASPLEXCT	Number of LPME extensions built for this ASPCT
48	(30)	ADDRESS	4	ASPASSTP	Table of 4 pointers to ASST extensions
				(4294967300:562116448)	
64	(40)	CHARACTER	6	ASPLPMES	LPME section
				(4294967552:562116448)	
1600	(640)	CHARACTER	0	*	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1600	ASPEXTSN	
0	(0)	CHARACTER	64	ASPEHDR	Header fields
0	(0)	CHARACTER	4	ASPEIDNT	ASPCT extension identifier. 'ASST' indicates ASST extension, 'ASSX' indicates ASSX extension, 'LPME' indicates LPME extension.

ASPCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	CHARACTER	4	*	Reserved
8	(8)	CHARACTER	12	ASPEXKEY	Full VSAM key for this ASPCT extension
8	(8)	CHARACTER	8	ASPESSYM	Storage locator symbol. This value corresponds to and will be equal to the 'S' symbol in base ASPCT
16	(10)	SIGNED	4	ASPEXTNM	Extension number of this extension
20	(14)	ADDRESS	1	ASPASSTN	ASST extension index for this extension. If extension is an ASST, this number indicates ASSTP entry in base ASPCT containing address of this ASST. If extension is an ASSX extension, this number indicates the ASST containing the address of this ASSX extension. If extension is an LPME extension, this number indicates the ASST containing the address of the ASSX extension containing the address of this LPME extension.
21	(15)	CHARACTER	1	*	Reserved
22	(16)	SIGNED	2	ASPASSXN	ASSX extension index for this extension. This field is not used for ASST extension. For ASSX extension, this number identifies the entry in the ASST identified by ASSTN that contains the pointer to this ASSX extension. For LPME extension, this number identifies the entry in the ASST identified by ASSTN that contains the pointer to the ASSX extension containing the address of this LPME extension.
24	(18)	SIGNED	2	ASPLPMEN	LPME extension index for this extension. This field is not used for ASST or ASSX extension. For LPME extension, this number identifies the entry in the ASSX identified by ASSXN which contains the pointer to this LPME extension.
26	(1A)	CHARACTER	38	*	Reserved
64	(40)	CHARACTER	6	ASPSECTA	Table of 256 ASST or ASSX entries. Each entry is mapped by the ASPASST or ASPASSX structure declared below.
1600	(640)	CHARACTER	0	*	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	STRUCTURE	*	ASPASST	ASST mapping
64	(40)	CHARACTER	6	* (*)	6-byte ASST entry
64	(40)	CHARACTER	2	*	2-byte spacer
66	(42)	ADDRESS	4	ASPASSTE	Address Space Sector Table entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	STRUCTURE	*	ASPASSX	ASSX mapping
64	(40)	CHARACTER	6	* (*)	6-byte ASSX entry
64	(40)	CHARACTER	2	*	2-byte spacer
66	(42)	ADDRESS	4	ASPASSXE	Address Space Sector Table entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	6	ASPLPME	Logical page map entry. This describes each 6-byte area in a LPME section.
0	(0)	BITSTRING	2	ASPLPFLG	LPME flags
		1...		ASPLVALD	LSID valid flag. 1=page valid on auxiliary storage, 0=no valid LSID in LPME
		.1..		ASPLSAVE	Saved flag. 1=this page has slot saved 0=page not saved
		..1.		ASPLOPIN	Process in operation flag. 1=an operation for page has been started and is not complete, 0=no operation in process
		...1		ASPLIOER	Read I/O error flag. 1=permanent read I/O error has occurred for page 0=no I/O error for page
		.... 1...		ASPLSVRP	Released after save flag. 1=page has been written since last save, using a different LSID 0=page has not been written since last save
		.... .1..		ASPLSTER	Storage error flag. 1 = storage error occurred for this page
		.... ..1.		ASPLES	Page location flag. 1 = page is in real cache, LPME contains a token. 0 = page is on aux, LPME contains an LSID
0	(0)	BITSTRING	1	*	Reserved
2	(2)	SIGNED	4	ASPLVRCTK	Real cache token
2	(2)	CHARACTER	4	ASPLVSID	VIO logical slot identifier
2	(2)	UNSIGNED	1	ASPPRTNN	PART number. Index into PART, identifying the page data set on which this page resides
3	(3)	UNSIGNED	3	ASPSLOT	Relative slot number identifying slot within page data set

ASPCT Constants

Len	Type	Value	Name	Description
2	DECIMAL	256	ASPNLPME	Number LPMEs in base or extension
2	DECIMAL	256	ASPASSX	Number of ASSX in extension
2	DECIMAL	256	ASPASST	Number of ASST in extension
2	DECIMAL	4	ASPASPCT	Number of ASST extensions anchored in the base

ASPCT Cross Reference

Name	Hex Offset	Hex Value
ASPAEXCT	1D	
ASPASCB	14	
ASPASST	40	
ASPASSTE	42	
ASPASSTN	14	
ASPASSTP	30	
ASPASSX	40	
ASPASSXE	42	
ASPASSXN	16	
ASPBKEY	8	
ASPCT	0	
ASPEHDR	0	
ASPEIDNT	0	
ASPESSYM	8	
ASPEXKEY	8	
ASPEXTNM	10	
ASPEXTSN	0	
ASPFLAG	1C	
ASPHDR	0	
ASPIDENT	0	
ASPLES	0	02
ASPLEXCT	2C	
ASPLGE	18	
ASPLGID	4	
ASPLIOER	0	10
ASPLOPIN	0	20
ASPLPFLG	0	
ASPLPME	0	
ASPLPMEN	18	
ASPLPMES	40	
ASPLSAVE	0	40
ASPLSTER	0	04
ASPLSVRP	0	08
ASPLVALD	0	80
ASPLVRCTK	2	
ASPMAXPN	20	
ASPPRTNN	2	
ASPRSV1	24	
ASPSAVCT	28	
ASPSAVED	1C	80
ASPSAVRP	1C	40
ASPSECTA	40	
ASPSLOT	3	
ASPSSYM	8	
ASPVLSID	2	
ASPXEXCT	1E	

ASREPL Information

ASREPL Programming Interface Information

Programming Interface Information

ASREPL

End of Programming Interface Information

ASREPL Heading Information • ASREPL Map

ASREPL Heading Information

Common Name: Authorization Exit Parameter List
Macro ID: ASREPL
DSECT Name: EPL
Owning Component:
Symptom record services (SCASR)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any
Key: 0
Size: 40 bytes
Created by: ASRSERV, Symptom Record Macro Service Routine
Pointed to by: The EPL is passed as a formal parameter
Serialization: None
Function: The ASREPL macro defines the parameter list passed by SYMREC to ASREXIT, the SYMREC Authorization Exit.

ASREPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EPL	- DSECT NAME
0	(0)	CHARACTER	8	EPLPNAME	PROGRAM NAME
8	(8)	CHARACTER	8	EPLJNAME	JOB STEP NAME
16	(10)	BITSTRING	4	EPLSRPTR	SYMPTOM RECORD ADDRESS
20	(14)	BITSTRING	4	EPLPATR	SYMREC CALLER'S ATTRIBUTES
		1... ..		EPLAPFL	"X'80" PROGRAM ORIGINATED FROM AN APF AUTHORIZED LIBRARY
24	(18)	BITSTRING	4	EPLRETC	RETURN CODE FROM EXIT ROUTINE
28	(1C)	CHARACTER	12	EPL00028	RESERVED

ASSB Information

ASSB Programming Interface information

Programming Interface information

ASSB

ONLY the following fields are part of the programming interface information:

- ASSB_CMS_LockInst_Addr
- ASSB_ENCT
- ASSB_ENCT_PREZOS11
- ASSB_ENQDEQ_CMS_LockInst_Addr
- ASSB_IFA_ENCT
- ASSB_IFA_ENCT_PREZOS11
- ASSB_IFA_ON_CP_ENCT
- ASSB_IFA_PHTM
- ASSB_LATCH_CMS_LockInst_Addr
- ASSB_Local_LockInst_Addr
- ASSB_SMFCMS_LockInst_Addr
- ASSB_SRB_TIME_ON_CP
- ASSB_SUP_ON_CP_ENCT
- ASSB_TASK_TIME_ON_CP
- ASSB_TIME_IFA_ON_CP
- ASSB_TIME_ON_IFA
- ASSB_TIME_ON_zIIP
- ASSB_TIME_zIIP_ON_CP
- ASSB_zIIP_ENCT
- ASSB_zIIP_PHTM
- ASSBASST
- ASSBDLCB
- ASSBISQN
- ASSBJBNI
- ASSBJBNS
- ASSBMQMA
- ASSBOASB
- ASSBOSDB
- ASSBPHTM
- ASSBPHTM_BASE
- ASSBSTKN
- ASSBTASB
- ASSBVAB
- ASSBVFAT

End of Programming Interface information

ASSB Heading Information • ASSB Map

ASSB Heading Information

Common Name: Address Space Secondary Block
Macro ID: IHAASSB
DSECT Name: ASSB
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: ASSB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: OFFSET OF ASSBEND MINUS THE OFFSET OF ASSB
Created by: IEAMSWCB
 IEAVEMRQ
Pointed to by: ASCBASSB
Serialization: Dependent on the specific field
Function: Allows address space related information to be maintained above 16 megabytes.

ASSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ASSB	
0	(0)	DBL WORD	8	ASSBEGIN (0)	BEGINNING OF ASSB.
0	(0)	CHARACTER	4	ASSBASSB	ACRONYM IN EBCDIC - ASSB.
4	(4)	SIGNED	4	ASSBSMFL	Lock word for BMFLSD lock for TCTIOT serialization
8	(8)	DBL WORD	8	ASSBR008	RESERVED, WAS ASSBEVST
16	(10)	DBL WORD	8	ASSBR010	RESERVED, WAS ASSBVFAT
24	(18)	BITSTRING	1	ASSBXMFL	CROSS MEMORY FLAGS 1 OWNERSHIP: PC/AUTH SERIALIZATION: PC/AUTH ADDRESS SPACE LOCAL LOCK.
		1...		ASSBXEAX	"X'80" ADDRESS SPACE OWNS ENTRY TABLES CONTAINING NON-ZERO EAX VALUES
25	(19)	BITSTRING	1	ASSBXMFL2	CROSS MEMORY FLAGS 2 OWNERSHIP: PC/AUTH SERIALIZATION: PC/AUTH ADDRESS SPACE LOCAL LOCK.
26	(1A)	SIGNED	2	ASSBXMCC	CROSS MEMORY CONNECTIONS COUNT. NUMBER OF SPACE SWITCHING CONNECTIONS DONE TO THIS SPACE. OWNERSHIP: PC/AUTH SERIALIZATION: PC/AUTH ADDRESS SPACE LOCAL LOCK.
28	(1C)	ADDRESS	4	ASSBCBTP	POINTER TO IHAACBT SERIALIZATION: CMS LOCK
32	(20)	SIGNED	4	ASSBVSC	VIO SLOT ALLOCATED COUNT. OWNERSHIP: ASM. SERIALIZATION: ASM ADDRESS SPACE RELATED CLASS LOCK.
36	(24)	SIGNED	4	ASSBNVSC	NON-VIO SLOT ALLOCATED COUNT. OWNERSHIP: ASM. SERIALIZATION: ASMGL LOCK.
40	(28)	SIGNED	4	ASSBASRR	ADDRESS SPACE RE-READS TO BE REPORTED IN THE TYPE 30 SMF RECORD.
44	(2C)	ADDRESS	4	ASSBDEXP	POINTER TO IHADEXP SERIALIZATION: LOCAL LOCK
48	(30)	DBL WORD	8	ASSBSTKN (0)	STOKEN. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE. As with other ASCB/ASSB fields, serialization may be required when accessing something other than your address space's data.
48	(30)	SIGNED	4	ASSBSTW1	FIRST WORD OF ASSBSTKN.
		1111		ASSBSTYP	"X'F0" FIRST 4 BITS REPRESENT STOKEN TYPE INFORMATION. ALWAYS ZERO FOR ADDRESS SPACE STOKENS.
52	(34)	SIGNED	4	ASSBISQN	Initial address space sequence number / instance number. It can be used with ASCBASID for the SSAIR instruction
56	(38)	ADDRESS	4	ASSBBPSA	IBMPM ANCHOR BLOCK. OWNERSHIP: IBM PRESENTATION MANAGER. SERIALIZATION: NONE.
60	(3C)	SIGNED	4	ASSBCSCT	CACHING FACILITY STOP COUNT OWNERSHIP: DFP SERIALIZATION: LOCAL LOCK
64	(40)	ADDRESS	4	ASSBBALV	VIRTUAL ADDRESS OF THE BASIC ACCESS LIST. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
68	(44)	ADDRESS	4	ASSBBALD	BASIC ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE BASIC ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
72	(48)	ADDRESS	4	ASSBXMSE	ADDRESS OF XMSE FOR THIS ADDRESS SPACE
76	(4C)	SIGNED	4	ASSBTSQL	NEXT TTOKEN SEQUENCE NUMBER. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
80	(50)	SIGNED	4	ASSBVCNT	COUNT OF CURRENT TASKS WITH VECTOR AFFINITY. SERIALIZED WITH SRM VIA COMPARE AND SWAP
84	(54)	ADDRESS	4	ASSBPALV	PASN ACCESS LIST VIRTUAL OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
88	(58)	ADDRESS	4	ASSBASEI	ADDRESS OF ADDRESS SPACE RELATED INFORMATION. OWNERSHIP: ADDRESS SPACE SERVICES. SERIALIZATION: NONE.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
92	(5C)	ADDRESS	4	ASSBRMA	ADDRESS OF ADDRESS SPACE RELATED RESOURCE MANAGER CONTROL STRUCTURE. OWNERSHIP: RTM. SERIALIZATION: NONE.
96	(60)	DBL WORD	8	ASSBHST	RSM SERVICE TIME FOR HIPERSPACE READ/WRITE. OWNERSHIP: RSM. SERIALIZATION: COMPARE DOUBLE AND SWAP (CDS).
104	(68)	DBL WORD	8	ASSBIPT	IOS I/O INTERRUPT PROCESSING TIME. OWNERSHIP: IOS. SERIALIZATION: COMPARE DOUBLE AND SWAP (CDS).
112	(70)	SIGNED	4	ASSBANEC	ALESERV ADD WITH NO EAX COUNT. OWNERSHIP: PC/AUTH. SERIALIZATION: COMPARE AND SWAP (CS).
116	(74)	ADDRESS	4	ASSBSDOV	ADDRESS OF SHARED DATA OBJECT MANAGER VECTOR TABLE OWNERSHIP: VLF SERIALIZATION: CS
120	(78)	SIGNED	4	ASSBMCSO	NUMBER OF CONSOLE IDS ACTIVATED BY THIS ADDRESS SPACE. OWNERSHIP: CONSOLE SERVICES. SERIALIZATION: COMPARE AND SWAP.
		1...		ASSBEMCS_ACTIVATED	"X'80" At least one EMCS console was activated by this address space.
124	(7C)	ADDRESS	4	ASSBDFAS	ADDRESS OF DFP=SMSX STRUCTURE FOR THE ADDRESS SPACE. OWNERSHIP: DFP. SERIALIZATION: NONE.
128	(80)	BITSTRING	4	ASSBFLGS (0)	ASSB FLAGS.
128	(80)	BITSTRING	1	ASSBFLG0	ASSB FLAG BYTE 0. SERIALIZATION: COMPARE AND SWAP.
		1...		ASSBBSDN	"X'80" BYPASS SVC DUMP NON-DISPATCHABILITY. OWNERSHIP: SDUMP.
		.1.		ASSBCDSI	"X'40" CDSI Resources Held or signalling resources held. Once set, must stay set. OWNERSHIP: XCF.
		..1.		ASSBPSCHE	"X'20" Parallel Detach SRB scheduled to this address space Ownership: RTM
		...1		ASSBPNSW	"X'10" If on, this space is declared by the setter to be permanently non-swappable. The validity is not checked. System routines may rely on the space being non-swappable if the bit is on. Must be set by CS
		.... 1...		ASSBNOML	"X'08" NoML used internally Ownership: RTM Must be set by CS

Comment

The following 3 bits are OWNERSHIP: SDUMP / and Must be set via C/S

End of Comment

.... .1.	ASSBSDUMPAS	"X'04" SDUMP is dumping this address space
.... ..1.	ASSBSDUMPND	"X'02" SDUMP set the tasks in this space non-dispatchable
.... ...1	ASSBSDUMPRESETND	"X'01" Request SDUMP to set tasks dispatchable

Comment

The previous 3 bits are OWNERSHIP: SDUMP / and Must be set via C/S

End of Comment

129	(81)	BITSTRING	1	ASSBFLG1	ASSB FLAG BYTE 1 OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: COMPARE AND SWAP.
		1...		ASSBNTAR	"X'80" NAME/TOKEN ADDRESS SPACE RESOURCE MANAGER ESTABLISHED.
		.1.		ASSBNTTR	"X'40" NAME/TOKEN JOB STEP TASK RESOURCE MANAGER ESTABLISHED.
		..1.		ASSBNTSL	"X'20" JOB STEP HAS CREATED SYSTEM LEVEL NAME/TOKEN PAIRS.
		...1		ASSBFRST	"X'10" The first pool of SVRBs has been obtained.
130	(82)	BITSTRING	1	ASSBFLG2	ASSB FLAG BYTE 2.
		1...		ASSBENFL	"X'80" IF ON, INDICATES ADDRESS SPACE ISSUED ENF LISTEN REQUEST. OWNERSHIP: ENF. SERIALIZATION: NONE.
		.1.		ASSBNSWF	"X'40" If on, indicates IEAVEGR found a WEB on the TAWQ, not marked SWAP. The TCBs in this space must be examined. Ownership: Supervisor Control Serialization: IEAVEGR
		..1.		ASSBPRAN	"X'20" No longer set - kept for compatibility. Ownership: RTM. Serialization: Local lock.
131	(83)	BITSTRING	1	ASSBFLG3	ASSB FLAG BYTE 3
		1...		ASSBARM	"X'80" The job or STC running in this address space is registered with the Automatic Restart Manager (ARM). Serialization: Compare and Swap. Ownership: XCF (ARM)
		.1.		ASSBNRST	"X'40" The Automatic Restart Manager (ARM) should not restart the job or STC running in this address space even if it is registered with ARM. Serialization: Compare and Swap. Ownership: XCF (ARM)
		..1.		ASSBGDPS	"X'20" If on, indicates this is the Geographically Dispersed Parallel Sysplex (GDPS) service address space. Ownership: GDPS Serialization: Compare and Swap
		...1		ASSBMDIP	"X'10" If on, indicates that a Memterm dump is in progress. Ownership: RTM
		.... 1...		ASSBBCPIIUSED	Serialization: Compare and Swap

ASSB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		ASSB_INITIALLY_ZAAP_ON_ZIIP	"X'08" If on, indicates this space has used BCPII services Ownership: BCPII Serialization: Compare and swap
		.... ..1.		ASSBMTDC	"X'04" Indicates that zAAP on zIIP was active when this job started. Ownership: SUP Serialization: Compare and swap "X'02" If on, indicates that Memterm dump has completed Ownership: RTM Serialization: Compare and Swap
132	(84)	ADDRESS	4	ASSBASC	ADDRESS OF ASCB.
136	(88)	ADDRESS	4	ASSBASRF	CREATED ASSB FORWARD POINTER.
140	(8C)	ADDRESS	4	ASSBASRB	CREATED ASSB BACKWARD POINTER.
144	(90)	ADDRESS	4	ASSBSSD	ADDRESS OF THE SUSPENDED SRB DESCRIPTOR (SSD) QUEUE. SERIALIZATION: DISPATCHER LOCK. OWNERSHIP: SUPERVISOR CONTROL.
148	(94)	ADDRESS	4	ASSBMQMA	CONTROL BLOCK ANCHOR FOR MQM MVS/ESA. SERIALIZATION: NONE. OWNERSHIP: MQSERIES
152	(98)	DBL WORD	8	ASSBLASB	TOKEN INDICATING IF MVS/APPC RESOURCES ARE ASSOCIATED WITH THIS ADDRESS SPACE. IF 0, THEN NONE ARE ASSOCIATED. OWNERSHIP: MVS/APPC. SERIALIZATION: NONE.
160	(A0)	ADDRESS	4	ASSBSCH	POINTER TO APPC SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: MVS/APPC. SERIALIZATION: NONE.
164	(A4)	SIGNED	4	ASSBFSC	COUNT ACCUMULATED BY IEAMFCNT FOR THIS ADDRESS SPACE. SERIALIZATION: CS.
168	(A8)	ADDRESS	4	ASSBJSAB	ADDRESS OF JOB SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: CONTROLLING JOB SCHEDULER. SERIALIZATION: SEE IAZXJSAB MACRO
172	(AC)	ADDRESS	4	ASSBRCTW	ADDRESS OF RCT's WEB. OWNERSHIP: Supervisor Control. SERIALIZATION: Disablement.
176	(B0)	BITSTRING	8	ASSBR0B0	Reserved.
184	(B8)	ADDRESS	4	ASSBTLMI	ADDRESS OF TAILORED LOCK MANAGER INFORMATION BLOCK. OWNERSHIP: SYSTEM LOCK MANAGER. SERIALIZATION: LOCAL LOCK.
188	(BC)	ADDRESS	4	ASSBSDAS	POINTER TO WORKING STORAGE OBTAINED BY THE DUMP TASK. OWNERSHIP: SVC DUMP. SERIALIZATION: SVC DUMP.
192	(C0)	SIGNED	4	ASSBTPIN	THE COUNT OF UCB PIN REQUESTS ISSUED IN TASK MODE OUTSTANDING FOR THE ADDRESS SPACE. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: IOS.
196	(C4)	SIGNED	4	ASSBSPIN	THE COUNT OF UCB PIN REQUESTS ISSUED IN SRB MODE OUTSTANDING FOR THE ADDRESS SPACE. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: IOS.
200	(C8)	SIGNED	4	ASSBECT1	THE COUNT OF ALLOCATION REQUESTS IN THIS ADDRESS SPACE CURRENTLY BOUND ON EDT NUMBER ONE. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: ALLOCATION.
204	(CC)	SIGNED	4	ASSBECT2	THE COUNT OF ALLOCATION REQUESTS IN THIS ADDRESS SPACE CURRENTLY BOUND ON EDT NUMBER TWO. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: ALLOCATION.
208	(D0)	SIGNED	4	ASSBMT#	MEMTERM DISABLE COUNT. WHEN NON-ZERO, ONLY DATERR MEMTERMS ARE PROCESSED. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: RTM
		1...		ASSBMTP	"X'80" MEMTERM PENDING. TURNED ON WHEN A MEMTERM IS RECEIVED FOR A MEMTERMABLE ADDRESS SPACE. PREVENTS FURTHER DISABLEMENT.
212	(D4)	BITSTRING	4	ASSBDFP	RESERVED FOR USE BY DFP. OWNERSHIP: DFP. SERIALIZATION: LOCAL LOCK.
		1...		ASSBOAM	"X'80" ADDRESS SPACE IS A USER OF OAM RESOURCES.
216	(D8)	SIGNED	2	ASSBR0D8	Reserved
218	(DA)	SIGNED	2	ASSBSNEW	Count of SASN=NEW connections included in ASCBETCN SERIALIZATION - PC/AUTH Address space Local Lock. OWNERSHIP - XM Services.
220	(DC)	ADDRESS	4	ASSBNTPP	ADDRESS OF ADDRESS SPACE LEVEL NAME/TOKEN HEADER. SERIALIZATION: LOCAL LOCK. OWNERSHIP: SUPERVISOR CONTROL.
224	(E0)	ADDRESS	4	ASSBOECB (0)	ECB WHICH IS WAITED ON BY THE INITIATOR FOR AN OpenMVS EVENT. SERIALIZATION: POST AND WAIT. OWNERSHIP: OpenMVS.
224	(E0)	BITSTRING	1	ASSBOEPC	POST CODE: '81'X->BPX1EXC '82'X->BPX1EXI
225	(E1)	BITSTRING	3	ASSBOECD (0)	OpenMVS completion codes.
225	(E1)	BITSTRING	2		Unused.
227	(E3)	BITSTRING	1	ASSBOEES	Exit Status passed on BPX1EXI.
228	(E4)	ADDRESS	4	ASSBOASB	OpenMVS ADDRESS SPACE BLOCK. SERIALIZATION: ENQ MAJOR=SYSZBPX MINOR=PROCESS_INIT. OWNERSHIP: OpenMVS.
232	(E8)	ADDRESS	4	ASSBXSBA	XSB POOL QUEUE. SERIALIZATION: COMPARE-AND-SWAP WHEN RETURNING XSBS. : COMPARE-AND-SWAP AND THE LOCAL LOCK WHEN REMOVING XSBS OWNERSHIP: SUPERVISOR CONTROL.
236	(EC)	ADDRESS	4	ASSBDLCB	Contains the address of the Dynamic LNKLST Control Block (DLCB) mapped by CSVDLCB. Ownership: CSV Serialization: ENQ
240	(F0)	ADDRESS	4	ASSBVAB	ADDRESS OF VSM ADDRESS SPACE BLOCK (VAB), WHICH ANCHORS SOME OF THE VSM CONTROL BLOCKS THAT DESCRIBE COMMON STORAGE. SERIALIZATION: NONE. OWNERSHIP: VIRTUAL STORAGE MANAGER.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
244	(F4)	ADDRESS	4	ASSBLMAB	LATCH MANAGER ADDRESS SPACE BLOCK. SERIALIZATION: CMSEQDQ LOCK. OWNERSHIP: GRS.
248	(F8)	SIGNED	4	ASSBIOCT	DIV/IO count
252	(FC)	ADDRESS	4	ASSBCTT	CTT field
256	(100)	SIGNED	4	ASSBXRCT	XES REQUEST COUNT SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: XES.
260	(104)	SIGNED	4	ASSBR104 (0)	Reserved as of z/OS 1.11
260	(104)	SIGNED	4	ASSBETSC_PREZOS11	Enclave TCB Summary Count SERIALIZATION: CS OWNERSHIP: SUPERVISOR CONTROL Not set as of z/OS 1.11
264	(108)	ADDRESS	4	ASSBTASB	TCPIP ASSB Extension Ownership: TCPIP Serialization: Compare and Swap when first TCPIP client is initialized in this space.
268	(10C)	SIGNED	4	ASSBTPMA	OWNER: IOS.
272	(110)	SIGNED	4	ASSBROSU	OWNER: IOS.
276	(114)	SIGNED	4	ASSBTPMT	OWNER: IOS.
280	(118)	BITSTRING	4	ASSBSSDT	SSD Trailer
284	(11C)	ADDRESS	4	ASSBTAWQ	ADDRESS OF TASK WEB QUEUE. SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
288	(120)	ADDRESS	4	ASSBWCMC	ADDRESS OF CML PROMOTION WEB. SERIALIZATION: NONE OWNERSHIP: SUPERVISOR CONTROL
292	(124)	ADDRESS	4	ASSBWS3S	ADDRESS OF ASYNCHRONOUS EXIT WEB. SERIALIZATION: NONE OWNERSHIP: SUPERVISOR CONTROL
296	(128)	ADDRESS	4	ASSBWSSS	ADDRESS OF SUSPENDED STATUS WEB. SERIALIZATION: GLOBAL INTERSECT OWNERSHIP: SUPERVISOR CONTROL
300	(12C)	ADDRESS	4	ASSBCAPQ	ADDRESS OF FIRST WEB ON THE CAP QUEUE. SERIALIZATION: DISPATCHER ACTIVE AND COMPARE AND SWAP TO ENQUEUE, GLOBAL INTERSECT TO DEQUEUE. OWNERSHIP: SUPERVISOR CONTROL
304	(130)	ADDRESS	4	ASSBPTAR	Pointer used by RTM processing to control task structure terminations. Ownership: RTM2. Serialization: Local lock.
308	(134)	SIGNED	4	ASSBWTCT	When this counter is non-zero, a recovery routine has requested temporary deferral of Parallel Detach trigger detection. Ownership: RTM Serialization: Compare and Swap.
312	(138)	SIGNED	4	ASSBSBCT	XES-owned count of requests with storage binds, incremented in the ASSB of the storage owner. Ownership: XES Serialization: Compare and Swap
316	(13C)	ADDRESS	4	ASSBARBP	ARM (Automatic Restart Manager) Resource Block. Serialization: Local Lock Ownership: XCF (ARM)
320	(140)	ADDRESS	4	ASSBRCTR	ADDRESS OF RCT's RB OWNERSHIP: Region Control Task SERIALIZATION: None
324	(144)	ADDRESS	4	ASSBSCAH	Address of the SCA (SPIE/ESPIE Control Area) chain Ownership: RTM Serialization: Local Lock
328	(148)	BITSTRING	1	ASSBTFFL	Transaction Trace flags. Serialization: None Ownership: Transaction Trace
		1...		ASSBTTRC	"X'80" Transaction Trace has been used.
329	(149)	BITSTRING	1	ASSBWMF1	WLM flags SERIALIZATION: none
		1...		ASSBWINI	"X'80" WLM Managed Batch initiator
		.1...		ASSBFAS	"X'40" WLM Managed OE Forked/Spawed address space
330	(14A)	SIGNED	2	ASSBPSWC	Preemptable-class SRB short wait count. OWNERSHIP: Supervisor control SERIALIZATION: none
332	(14C)	ADDRESS	4	ASSBIXGA	Pointer to SLC address space related information. Serialization: Local Lock and CMS Lock Ownership: System Logger
336	(150)	DBL WORD	8	ASSBJBNI	Jobname for the Initiated Program that is associated with this Address Space. If 0, then none is associated. OWNERSHIP: Initiator. SERIALIZATION: None.
344	(158)	DBL WORD	8	ASSBJBNS	Jobname for the START/MOUNT/ LOGON that is associated with this Address Space. If 0, then none is associated. OWNERSHIP: Console Services. SERIALIZATION: None.
352	(160)	DBL WORD	8	ASSBASST	Additional SRB Service Time. CPU time is accumulated here for this address space's Preemptable SRBs and for Client Related SRBs for which this address space is the client. Format: TOD Clock Format Ownership: Supervisor Control Serialization: CS
360	(168)	DBL WORD	8	ASSBPHTM	Preemptable-class SRB Time. The CPU time for all types of preemptable SRBs (PSRB, CRSRB, ESRB) executing with this address space as their home space is accumulated here. This value is not used in SMF or SRM calculations. Format: TOD Clock Format Ownership: Supervisor Control Serialization: CS
368	(170)	ADDRESS	4	ASSBCRWQ	Client Related WEB Queue. Address of the first WEB on the queue. WEBS on this queue are client SRBs for which this space is the client. Ownership: Supervisor Control Serialization: AWQ Lock
372	(174)	ADDRESS	4	ASSBSCWQ	Suspended Client related WEB Queue. Address of the first WEB on the queue. WEBS on this queue are suspended client SRBs for which this space is the client. Ownership: Supervisor Control Serialization: AWQ Lock
376	(178)	SIGNED	4	ASSBLCNT	Number of latched operations in progress for System Logger in an address space. Ownership: System Logger Serialization: CS
380	(17C)	SIGNED	4	ASSBACNT	Number of asynchronous requests in progress in System. This information will be used by TSO during 'Authorized' command processing Ownership: System Logger Serialization: CS
384	(180)	SIGNED	4	ASSBLCPD	CPOOLID of the cpool created by system logger

ASSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
388	(184)	SIGNED	4	ASSBSLSC (0)	Slip serialization counts. Ownership: SLIP Serialization: CS
388	(184)	SIGNED	2	ASSBSLPC	Slip PER serialization count
390	(186)	SIGNED	2	ASSBSLNC	Slip Non-PER serialization count
392	(188)	ADDRESS	4	ASSBPVTC	Queue of privately managed contexts for this address space Ownership: Context Services Serialization: Local lock
396	(18C)	SIGNED	4	ASSBCTX (0)	Context Services Word
396	(18C)	BITSTRING	1	ASSBCTXF	Context Services flags Ownership: Context Services Serialization: Local lock
		1... ..		ASSBNCL	"X'80" There is no limit to the number of private contexts in this space
		.1.		ASSBMSGI	"X'40" The message to relax the above limit has been issued and rejected
		..1.		ASSBURMX	"X'20" There is no limit to the number of unauthorized resource managers in this space.
		...1		ASSBURMM	"X'10" The message to relax the above limit has been issued for this space.
397	(18D)	BITSTRING	3	ASSBCTX2	Reserved context services.
400	(190)	BITSTRING	16	ASSBHALE	Copy of Home ALE
416	(1A0)	BITSTRING	4	ASSBR1A0	Reserved
420	(1A4)	SIGNED	4	ASSBSRSN	Suspend/Resume sequence number Ownership: Supervisor Control Serialization: CS
424	(1A8)	ADDRESS	4	ASSBWLMS	Address of WLM managed server SERIALIZATION: WLMQ lock
428	(1AC)	ADDRESS	4	ASSBBCBA	Address of SOMObjects data structure Ownership: SOMObjects for OS/390 Serialization: CS
432	(1B0)	BITSTRING	4	ASSBCSM	CSM user bitmap Ownership: VTAM
436	(1B4)	SIGNED	4	ASSBPECT	Number of Pause elements allocated by unauthorized programs Ownership: Supervisor Control Serialization: Dispatcher lock
440	(1B8)	ADDRESS	4	ASSBRRSA	RRS data area pointer
444	(1BC)	BITSTRING	2	ASSBOFLG (0)	ASSB USS flags Ownership: USS Serialization: None
444	(1BC)	BITSTRING	1	ASSBOFL0	ASSB USS flag byte 0
		1... ..		ASSBOMSC	"X'80" USS address space must remain program controlled.
		.1.		ASSBODWT	"X'40" USS process awaiting dub.
		..1.		ASSBOSDB	"X'20" Allow address space to dub at same time as superusers
		...1		ASSBTDAFF	"X'10" Clnet Addr Sp Transport Dr Affinity has been setup
445	(1BD)	BITSTRING	1	ASSBOFL1	ASSB USS flag byte 1
446	(1BE)	BITSTRING	2	ASSBSCAF	CPU affinity indicator associated with SRM. Serialization: SRM spin lock
448	(1C0)	SIGNED	4	ASSBCTXC	Number of private contexts owned by PKM 8 to 15 resource managers in this space. Ownership: Context Services Serialization: C&S
452	(1C4)	SIGNED	4	ASSBRMCT	Number of PKM 8 to 15 resource managers. Ownership: Registration Services Serialization: C&S
456	(1C8)	ADDRESS	4	ASSBLRBA	License manager resource block
460	(1CC)	ADDRESS	4	ASSBSLFA	Shadow LFT address
464	(1D0)	SIGNED	2	ASSBR1D0	Reserved
466	(1D2)	BITSTRING	2	ASSBIOMS	I/O Management Support Data. Serialization: SRM lock Owner: SRM
468	(1D4)	SIGNED	2	ASSBPROMOTIONCOUNT	Number of WEBs to promote. Serialization: None, this count does not need to be exact
470	(1D6)	SIGNED	1	ASSBTIOP	Tape I/O Priority
471	(1D7)	SIGNED	1	ASSBCSDP	Channel Subsystem I/O Priority. Will be zero if the system does not support channel subsystem priority. Ownership: SRM Serialization: SRM lock
472	(1D8)	BITSTRING	16	ASSB_IFA_TIME_AREA (0)	
472	(1D8)	DBL WORD	8	ASSB_TIME_IFA_ON_CP	
480	(1E0)	DBL WORD	8	ASSB_TIME_ON_IFA	
488	(1E8)	DBL WORD	8	ASSB_TASK_TIME_ON_CP (0)	Time on CP in task mode for this space. Valid only when zAAPs or SUPs are installed
488	(1E8)	DBL WORD	8	ASSB_TIME_ON_CP	Synonym for ASSB_TASK_TIME_ON_CP
496	(1F0)	CHARACTER	5	ASSBMTCI	Memterm component ID. Set only when sdump needs to be taken
501	(1F5)	SIGNED	1	ASSBFLG4	Flags Ownership: LE Serialization: none
		1... ..		ASSB_AUTHLE	"X'80" Resources have been allocated.
502	(1F6)	SIGNED	1	ASSBQIOP	Queued Director I/O Priority Owner: WLM/SRM Serialization: SRM lock
503	(1F7)	BITSTRING	1	ASSBCRYP	Crypto flags. Serialization: none.
		1... ..		ASSBSODS	"X'80" If set to '1'b, the address space is using an ICSF session object data space.
		.1.		ASSBCRNQ	"X'40" If set to '1'b, the address space has done key data set serialization.
504	(1F8)	DBL WORD	8	ASSBPHTM_BASE	Value in ASSBPHTM at the end of the previous jobstep. Serialization: none
512	(200)	ADDRESS	4	ASSBEARLYMEMTERMRM	Address of Early Memterm Resource Manager
516	(204)	SIGNED	4	ASSB_LAA_CPID	Anchor for LAA CPOOL Ownership: LE
520	(208)	DBL WORD	8	ASSB_IFA_PHTM	IFA-only equivalent of ASSBPHTM This is "normalized" time
528	(210)	DBL WORD	8	ASSBR210 (0)	Reserved as of z/OS 1.11
528	(210)	DBL WORD	8	ASSB_ENCT_PREZOS11	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
536	(218)	DBL WORD	8	ASSB_IFA_ENCT_PREZOS11	Enclave time in an address space on a standard CP Not set as of z/OS 1.11
544	(220)	DBL WORD	8	ASSB_BASE_PHTM	Enclave IFA time in an address space. This is "normalized" time Not set as of z/OS 1.11
552	(228)	DBL WORD	8	ASSB_IFA_BASE_PHTM	Base value, set by WLM
560	(230)	DBL WORD	8	ASSB_BASE_ENCT	Base value, set by WLM
568	(238)	DBL WORD	8	ASSB_IFA_BASE_ENCT	Base value, set by WLM
576	(240)	ADDRESS	4	ASSB_CP_AFFINITY_NODE	WUQ for CP affinity
		1... ..		ASSB_ENTITLE_NOMINEE	"X'80" Entitle nominee
580	(244)	ADDRESS	4	ASSB_IFA_AFFINITY_NODE	WUQ for IFA affinity
584	(248)	ADDRESS	4	ASSB_ZIIP_AFFINITY_NODE (0)	WUQ for zIIP affinity
584	(248)	ADDRESS	4	ASSB_SUP_AFFINITY_NODE	
588	(24C)	SIGNED	4	ASSBR24C	Reserved
592	(250)	DBL WORD	8	ASSB_TIME_ON_ZIIP (0)	zIIP time. Enclave time not included
592	(250)	DBL WORD	8	ASSB_TIME_ON_SUP	
600	(258)	DBL WORD	8	ASSB_TIME_ZIIP_ON_CP (0)	zIIP time on CP. Enclave time not included. When zAAPzIIP=YES is in effect, zAAP-eligible work running on a CP is included.
600	(258)	DBL WORD	8	ASSB_TIME_SUP_ON_CP	
608	(260)	DBL WORD	8	ASSB_ZIIP_PHTM (0)	zIIP-only equivalent of ASSBPHTM This is "normalized" time
608	(260)	DBL WORD	8	ASSB_SUP_PHTM	
616	(268)	DBL WORD	8	ASSB_SRB_TIME_ON_CP	Time on CP in SRB mode for this space. Valid only when zAAPs or SUPs are installed
624	(270)	DBL WORD	8	ASSB_ZIIP_ENCT (0)	Enclave zIIP time in an address space. This is "normalized" time
624	(270)	DBL WORD	8	ASSB_SUP_ENCT	
632	(278)	DBL WORD	8	ASSB_IFA_ON_CP_ENCT	Enclave time for IFA on CP in an address space
640	(280)	ADDRESS	4	ASSBSOWN	Address of the Suspended SRB Descriptor (SSD) static queue. Serialization: Dispatcher Lock. Ownership: Supervisor Control.
644	(284)	ADDRESS	4	ASSBSOWT	SSD Static Ownership queue trailer.
648	(288)	DBL WORD	8	ASSB_IFA_ON_CP_BASE_ENCT	Enclave base time for IFA on CP in an address space
656	(290)	DBL WORD	8	ASSB_TIME_AT_PDP	Trickle promotion CPU time (PDP means Promotion Dispatch Priority) Owner: Supervisor Control Serialization: Compare and Swap
664	(298)	DBL WORD	8	ASSB_SRBT_BASE	BASE TIME FOR ASCBSRBT Ownership: SRM Serialization: SRMLOCK
672	(2A0)	ADDRESS	4	ASSBCASC	Address of the Console Address Space Control block. Ownership: Console Services Serialization: Compare and Swap
676	(2A4)	BITSTRING	4	ASSBR2A4	Reserved
680	(2A8)	DBL WORD	8	ASSB_ASST_TIME_ON_CP	Additional SRB Service Time on a standard CP. CPU time is accumulated here for this address space's Preemptable SRBs and for Client Related SRBs for which this address space is the client. Valid only when zAAPs or zIIPs are installed Format: TOD Clock Format Ownership: Supervisor Control Serialization: CS
688	(2B0)	DBL WORD	8	ASSB_SWITCH_TO_ZAAPZIIP_COUNT	When not zAAP_On_zIIP initially, this is incremented on switches to zAAP. When zAAP_On_zIIP initially, this is incremented on switches to both zAAP and zIIP
696	(2B8)	DBL WORD	8	ASSBASAB	Address of IQP ASAB Owner: IQP Serialization: local lock
704	(2C0)	DBL WORD	8	ASSB_SUP_BASE_ENCT	Base value, set by WLM
712	(2C8)	DBL WORD	8	ASSB_SUP_ON_CP_ENCT	Enclave time for SUP on CP in an address space. When zAAPzIIP=YES is in effect, zAAP-eligible work running on a CP is included.

ASSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
720	(2D0)	DBL WORD	8	ASSB_SUP_ON_CP_BASE_ENCT	Enclave base time for SUP on CP in an address space. When zAAPzIIP=YES is in effect, zAAP-eligible work running on a CP is included.
728	(2D8)	ADDRESS	4	ASSBRMIN	Address of RTM's reserved RMPL and associated storage - this will always be below the 16M line Ownership: RTM Serialization: Local lock
		1...		ASSBRTMI	"X'80" When on, the reserved RMPL pointed to by ASSBRMIN and the reserved RTM2WA pointed to by ASSBRTMA are in use
732	(2DC)	ADDRESS	4	ASSBRTMA	Address of RTM's reserved RTM2WA and associated storage Ownership: RTM Serialization: Local lock
736	(2E0)	DBL WORD	8	ASSB_HDLOCKPROMOTION_TIME_AT_PDP	HiperDispatch=YES lock promotion CPU time (PDP means Promotion Dispatch Priority).
744	(2E8)	SIGNED	4	ASSB_LOCKINST_PTRS (0)	
744	(2E8)	ADDRESS	4	ASSB_SMFCMS_LOCKINST_ADDR	Address of the SMF CMS instrumentation data for this address space
748	(2EC)	ADDRESS	4	ASSB_ENQDEQ_CMS_LOCKINST_ADDR	Address of the ENQ/DEQ CMS instrumentation data for this address space
752	(2F0)	ADDRESS	4	ASSB_LATCH_CMS_LOCKINST_ADDR	Address of the Latch CMS instrumentation data for this address space
756	(2F4)	ADDRESS	4	ASSB_CMS_LOCKINST_ADDR	Address of the CMS instrumentation data for this address space
760	(2F8)	ADDRESS	4	ASSB_LOCAL_LOCKINST_ADDR	Address of the local and CML lock instrumentation data for this address space
764	(2FC)	BITSTRING	4	ASSBR2FC	Reserved
Comment					
Start of x'300' primarily write cache line					
End of Comment					
768	(300)	BITSTRING	256	ASSB_300 (0)	
768	(300)	ADDRESS	4	ASSBSAWQ	- ADDRESS OF ADDRESS SPACE SRB WEB QUEUE SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
		1...		ASSBURRQ	"X'80" - SYSEVENT USER READY REQUIRED SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
772	(304)	BITSTRING	252	ASSBR304	Reserved. DO NOT USE
Comment					
Start of x'400' primarily write cache line					
End of Comment					
1024	(400)	BITSTRING	256	ASSB_400 (0)	
1024	(400)	ADDRESS	4	ASSBHREQ	- Local lock requestor address
1028	(404)	SIGNED	2	ASSBHASI	- Local lock owning ASID
1030	(406)	BITSTRING	250	ASSBR406	Reserved. DO NOT USE
Comment					
Start of x'500' primarily write cache line					
End of Comment					
1280	(500)	BITSTRING	256	ASSB_500 (0)	
1280	(500)	DBL WORD	8	ASSB_ENCT	Enclave time in an address space on a standard CP
1288	(508)	BITSTRING	248	ASSBR508	Reserved. DO NOT USE
Comment					
Start of x'600' primarily write cache line					
End of Comment					
1536	(600)	BITSTRING	256	ASSB_600 (0)	
1536	(600)	DBL WORD	8	ASSB_IFA_ENCT	Enclave IFA time in an address space space. This is "normalized" time
1544	(608)	BITSTRING	248	ASSBR608	Reserved. DO NOT USE
Comment					
Start of x'700' primarily write cache line					
End of Comment					
1792	(700)	BITSTRING	256	ASSB_700 (0)	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
1792	(700)	SIGNED	4	ASSBETSC	Enclave TCB Summary Count SERIALIZATION: CS OWNERSHIP: SUPERVISOR CONTROL	
1796	(704)	BITSTRING	252	ASSBR704	Reserved. DO NOT USE	
Comment						
Start of x'800' primarily write cache line						
End of Comment						
2048	(800)	BITSTRING	256	ASSB_800 (0)		
Comment						
We considered putting ASSBCMLC and ASSBSUPC into separate cache lines as opposed to a single cache line. The performance people said to put them into the same cache line.						
End of Comment						
2048	(800)	SIGNED	4	ASSBCMLC	- Count of CML locks held by this address space. Serialization - CS. Ownership - Supervisor.	
2052	(804)	BITSTRING	4	ASSBR804	Reserved.	
2056	(808)	DBL WORD	8	ASSBSUPC (0)	SVRB pool header	
2056	(808)	ADDRESS	4	ASSBSVRB	Address of first available SVRB	
2060	(80C)	SIGNED	4	ASSBSYNC	Synchronization count	
2064	(810)	BITSTRING	240	ASSBR810	Reserved. DO NOT USE	
Comment						
End of cache line						
Start of x'900' Miscellaneous fields						
End of Comment						
2304	(900)	BITSTRING	48	ASSB_900 (0)		
2304	(900)	DBL WORD	8	ASSB_VARTIME_AT_PDP	Total time promoted to a variable dispatch priority	
2312	(908)	DBL WORD	8	ASSB_VARWEIGHTED_TIME_AT_PDP	Time promoted to a variable dispatch priority weighted by the dispatch priority	
2320	(910)	BITSTRING	8	ASSB_HCWA	HCW	
2328	(918)	DBL WORD	8	ASSB_SCMBC	Storage Class Memory (SCM) block count Ownership: ASM Serialization: ASMGL lock	
2336	(920)	BITSTRING	16	ASSBR920	Reserved	
2352	(930)	DBL WORD	8	ASSBEND (0)	END OF ASSB.	

ASSB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASSB	0			238	
ASSB_ASST_TIME_ON_CP	2A8		ASSB_IFA_BASE_PHTM	228	
ASSB_AUTHLE	1F5	80	ASSB_IFA_ENCT	600	
ASSB_BASE_ENCT	230		ASSB_IFA_ENCT_PREZOS11	218	
ASSB_BASE_PHTM	220		ASSB_IFA_ON_CP_BASE_ENCT	288	
ASSB_CMS_LOCKINST_ADDR	2F4		ASSB_IFA_ON_CP_ENCT	278	
ASSB_CP_AFFINITY_NODE	240		ASSB_IFA_PHTM	208	
ASSB_ENCT	500		ASSB_IFA_TIME_AREA	1D8	
ASSB_ENCT_PREZOS11	210		ASSB_INITIALLY_ZAAP_ON_ZIIP	83	4
ASSB_ENQDEQ_CMS_LOCKINST_ADDR	2EC		ASSB_LAA_CPID	204	
ASSB_ENTITLE_NOMINEE	240	80	ASSB_LATCH_CMS_LOCKINST_ADDR	2F0	
ASSB_HCWA	910		ASSB_LOCAL_LOCKINST_ADDR	2F8	
ASSB_HDLOCKPROMOTION_TIME_AT_PDP	2E0		ASSB_LOCKINST_PTRS	2E8	
ASSB_IFA_AFFINITY_NODE	244				
ASSB_IFA_BASE_ENCT					

ASSB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASSB_SCMBC	918		ASSBBSDN	80	80
ASSB_SMFCMS_LOCKINST_ADDR	2E8		ASSBCAPQ	12C	
ASSB_SRB_TIME_ON_CP	268		ASSBCASC	2A0	
ASSB_SRBT_BASE	298		ASSBCBTP	1C	
ASSB_SUP_AFFINITY_NODE	248		ASSBCDSI	80	40
ASSB_SUP_BASE_ENCT	2C0		ASSBCMLC	800	
ASSB_SUP_ENCT	270		ASSBCRNQ	1F7	40
ASSB_SUP_ON_CP_BASE_ENCT	2D0		ASSBCRWQ	170	
ASSB_SUP_ON_CP_ENCT	2C8		ASSBCRYP	1F7	
ASSB_SUP_PHTM	260		ASSBCSCT	3C	
ASSB_SWITCH_TO_ZAAPZIIP_COUNT	2B0		ASSBCSDP	1D7	
ASSB_TASK_TIME_ON_CP	1E8		ASSBCSM	1B0	
ASSB_TIME_AT_PDP	290		ASSBCTT	FC	
ASSB_TIME_IFA_ON_CP	1D8		ASSBCTX	18C	
ASSB_TIME_ON_CP	1E8		ASSBCTXC	1C0	
ASSB_TIME_ON_IFA	1E0		ASSBCTXF	18C	
ASSB_TIME_ON_SUP	250		ASSBCTX2	18D	
ASSB_TIME_ON_ZIIP	250		ASSBDEXP	2C	
ASSB_TIME_SUP_ON_CP	258		ASSBDFAS	7C	
ASSB_TIME_ZIIP_ON_CP	258		ASSBDFP	D4	
ASSB_VARTIME_AT_PDP	900		ASSBDLCB	EC	
ASSB_VARWEIGHTED_TIME_AT_PDP	908		ASSBEARLYMEMTERMRM	200	
ASSB_ZIIP_AFFINITY_NODE	248		ASSBECT1	C8	
ASSB_ZIIP_ENCT	270		ASSBECT2	CC	
ASSB_ZIIP_PHTM	260		ASSBEGIN	0	
ASSB_300	300		ASSBEMCS_ACTIVATED	78	80
ASSB_400	400		ASSBEND	930	
ASSB_500	500		ASSBENFL	82	80
ASSB_600	600		ASSBETSC	700	
ASSB_700	700		ASSBETSC_PREZOS11	104	
ASSB_800	800		ASSBFLGS	80	
ASSB_900	900		ASSBFLG0	80	
ASSBACNT	17C		ASSBFLG1	81	
ASSBANEC	70		ASSBFLG2	82	
ASSBARBP	13C		ASSBFLG3	83	
ASSBARM	83	80	ASSBFLG4	1F5	
ASSBASAB	2B8		ASSBFRST	81	10
ASSBASCB	84		ASSBFSAS	149	40
ASSBASEI	58		ASSBFSC	A4	
ASSBASRB	8C		ASSBGDPS	83	20
ASSBASRF	88		ASSBHALE	190	
ASSBASRR	28		ASSBHASI	404	
ASSBASSB	0		ASSBHREQ	400	
ASSBASST	160		ASSBHST	60	
ASSBBALD	44		ASSBIIPT	68	
ASSBBALV	40		ASSBIOCT	F8	
ASSBBCBA	1AC		ASSBIOMS	1D2	
ASSBBCPIUSED	83	8	ASSBISQN	34	
ASSBBPSA	38		ASSBIXGA	14C	
			ASSBJBNI	150	
			ASSBJBNS	158	
			ASSBJSAB	A8	
			ASSBLASB	98	
			ASSBLCNT	178	
			ASSBLCPD	180	
			ASSBLMAB	F4	
			ASSBLRBA	1C8	
			ASSBMCSO	78	
			ASSBMDIP	83	10
			ASSBMQMA	94	
			ASSBMSGI	18C	40
			ASSBMT#	D0	
			ASSBMTCI	1F0	
			ASSBMTDC	83	2
			ASSBMTP	D0	80
			ASSBNCL	18C	80
			ASSBNOML	80	8
			ASSBNRST	83	40
			ASSBNSWF	82	40
			ASSBNTAR	81	80
			ASSBNTSL	81	20

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASSBNTPP	DC		ASSBSNEW	DA	
ASSBNTRR	81	40	ASSBSODS	1F7	80
ASSBNVSC	24		ASSBSOWN	280	
ASSBOAM	D4	80	ASSBSOWT	284	
ASSBOASB	E4		ASSBSPIN	C4	
ASSBODWT	1BC	40	ASSBSRSN	1A4	
ASSBOECB	E0		ASSBSSD	90	
ASSBOECD	E1		ASSBSSDT	118	
ASSBOEES	E3		ASSBSTKN	30	
ASSBOEPC	E0		ASSBSTW1	30	
ASSBOFLG	1BC		ASSBSTYP	30	F0
ASSBOFL0	1BC		ASSBSUPC	808	
ASSBOFL1	1BD		ASSBSVRB	808	
ASSBOMSC	1BC	80	ASSBSYNC	80C	
ASSBOSDB	1BC	20	ASSBTASB	108	
ASSBPALV	54		ASSBTAWQ	11C	
ASSBPECT	1B4		ASSBTDAFF	1BC	10
ASSBPHTM	168		ASSBTIOP	1D6	
ASSBPHTM_BASE			ASSBTLMI	B8	
	1F8		ASSBTPIN	C0	
ASSBPNSW	80	10	ASSBTPMA	10C	
ASSBPRAN	82	20	ASSBTPMT	114	
ASSBPROMOTIONCOUNT			ASSBTSQN	4C	
	1D4		ASSBTTFL	148	
ASSBPSCH	80	20	ASSBTTRC	148	80
ASSBPSWC	14A		ASSBURMM	18C	10
ASSBPTAR	130		ASSBURMQ	18C	20
ASSBPVTC	188		ASSBURRQ	300	80
ASSBQIOP	1F6		ASSBVAB	F0	
ASSBRCTR	140		ASSBVCNT	50	
ASSBRCTW	AC		ASSBVSC	20	
ASSBRMA	5C		ASSBWCML	120	
ASSBRMCT	1C4		ASSBWINI	149	80
ASSBRMIN	2D8		ASSBWLMS	1A8	
ASSBROSU	110		ASSBWMF1	149	
ASSBRRSA	1B8		ASSBWSSS	128	
ASSBRTMA	2DC		ASSBWS3S	124	
ASSBRTMI	2D8	80	ASSBWTC	134	
ASSBR0B0	B0		ASSBXEAX	18	80
ASSBR0D8	D8		ASSBXMCC	1A	
ASSBR008	8		ASSBXMCF1	18	
ASSBR010	10		ASSBXMCF2	19	
ASSBR1A0	1A0		ASSBXMSE	48	
ASSBR1D0	1D0		ASSBXRCT	100	
ASSBR104	104		ASSBXSBA	E8	
ASSBR2A4	2A4				
ASSBR2FC	2FC				
ASSBR210	210				
ASSBR24C	24C				
ASSBR304	304				
ASSBR406	406				
ASSBR508	508				
ASSBR608	608				
ASSBR704	704				
ASSBR804	804				
ASSBR810	810				
ASSBR920	920				
ASSBSAWQ	300				
ASSBSBCT	138				
ASSBSCAF	1BE				
ASSBSCAH	144				
ASSBSCH	A0				
ASSBSCWQ	174				
ASSBSDAS	BC				
ASSBSDOV	74				
ASSBSDUMPAS	80	4			
ASSBSDUMPND	80	2			
ASSBSDUMPRESETND					
	80	1			
ASSBSLFA	1CC				
ASSBSLNC	186				
ASSBSLPC	184				
ASSBSLSC	184				
ASSBSMFL	4				

ASTE Information

ASTE Heading Information

Common Name: ADDRESS SPACE SECOND TABLE ENTRY (ASTE)
Macro ID: IHAASTE
DSECT Name: ASTE
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245
 Key: 0
Size: 64 BYTES. THERE IS ONE ASTE PER ADDRESS SPACE.
Created by: IEAVNP09
 (SUBPOOL 245 - COMMON SQA/ESQA)
Pointed to by: ASCBASTE (VIRTUAL ADDRESS)
Serialization: FIELDS ARE SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK AND BY COMPARE AND SWAP.
Function: MAPS THE ASTE. THE ASTE CONTAINS THE REAL ADDRESS AND LENGTH OF THE LT, THE REAL ADDRESS AND LENGTH OF THE AT, AND OTHER ADDRESS SPACE ORIENTED CROSS MEMORY INFORMATION.

ASTE Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	64	ASTE	ADDRESS SPACE SECOND TABLE ENTRY.	
0	(0)	ADDRESS	4	ASTEATO	AUTHORIZATION TABLE ORIGIN. CONTAINS REAL ADDRESS OF THE AT FOR THIS ADDRESS SPACE. BITS 1-29 OF ASTEATO, WITH TWO LOW ORDER ZEROS APPENDED, FORM THE AUTHORIZATION TABLE REAL ADDRESS. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK AND CS	
		1...		ASTEICMA	INVALID CROSS MEMORY ACCESS INDICATOR. IF 1, THE ADDRESS SPACE ASSOCIATED WITH THIS ASTE IS NOT AVAILABLE FOR CROSS MEMORY FUNCTIONS.	
4	(4)	UNSIGNED	2	ASTEAX	AUTHORIZATION INDEX. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.	
6	(6)	UNSIGNED	2	ASTEATL	AUTHORIZATION TABLE LENGTH. BITS 0-11 CONTAIN THE NUMBER OF WORDS, MINUS ONE, IN THE AT. BITS 12-15 ARE ZERO. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.	
8	(8)	BITSTRING	4	ASTESTD	SEGMENT TABLE DESIGNATOR. SEGMENT TABLE ADDRESS AND LENGTH IN FORMAT OF CONTROL REGISTERS 1 AND 7. SERIALIZED BY CS.	
8	(8)	ADDRESS	4	ASTESTA	SEGMENT TABLE ADDRESS. BITS 1-19 OF THE STD, WITH 12 ZEROS APPENDED, FORM THE 31 BIT REAL ADDRESS OF THE SEGMENT TABLE.	
8	(8)	BITSTRING	1	ASTESSBT ASTESSEM	BYTE 0 OF THE STD CONTAINING SPACE SWITCH EVENT BIT.@G860PXH SPACE SWITCH EVENT MASK. IF 1, A PROGRAM INTERRUPT WILL BE PRESENTED ON COMPLETION OF A PC OR PT THAT CAUSES A SPACE SWITCH.	
9	(9)	BITSTRING	2	*	BYTES 1 AND 2 OF THE STD.	
11	(B)	BITSTRING	1	ASTESTL	SEGMENT TABLE LENGTH (IN BITS 25-31), MINUS ONE, IN UNITS OF 64 BYTES.	
		1...		ASTESAEM	STORAGE ALTERATION EVENT MASK. IF ON, A STORAGE ALTERATION PER EVENT CAN OCCUR WITHIN THE DESIGNATED SPACE. SERIALIZED BY COMPARE AND SWAP.	
12	(C)	ADDRESS	4	ASTELTD	LINKAGE TABLE DESIGNATOR. BITS 1-24, WITH SEVEN LOW ORDER ZEROS APPENDED, FORM THE LINKAGE TABLE REAL ADDRESS. BITS 25-31 CONTAIN THE NUMBER OF 128 BYTE EXTENTS, MINUS ONE, IN THE LINKAGE TABLE. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.	
		1...		ASTELTV	LINKAGE TABLE VALID FLAG. IF 1, LT IS VALID, IF 0, LT IS INVALID.	
16	(10)	ADDRESS	4	ASTEPALD	PASN ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE PASN ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE.	
20	(14)	UNSIGNED	4	ASTESQN	ASTE SEQUENCE NUMBER. (UNSIGNED)	
24	(18)	CHARACTER	4	ASTER018	RESERVED FOR PROGRAMMING USE.	
28	(1C)	ADDRESS	4	ASTEPROG	ASTE PROGRAMMING WORD IF ADDRESS SPACE - CONTAINS ASCB ADDRESS.	
		1111		ASTETYPE	ASTEPROG TYPE INFORMATION: '0000'B - ADDRESS SPACE ASTE '1000'B - DATA SPACE ASTE '0100'B - SUBSPACE ASTE	
32	(20)	CHARACTER	32	ASTER020	RESERVED.	
64	(40)	CHARACTER	0	ASTEEND	END OF ASTE.	

ASTE Constants • ASTE Cross Reference

ASTE Constants

Len	Type	Value	Name	Description
Comment				
CONSTANTS FOR ASTETYPE				
End of Comment				
0	BIT	1000	ASTEDS	DATA SPACE ASTE
0	BIT	0100	ASTESS	SUBSPACE ASTE
0	BIT	0000	ASTEAS	ADDRESS SPACE ASTE

ASTE Cross Reference

Name	Hex Offset	Hex Value
ASTE	0	
ASTEATL	6	
ASTEATO	0	
ASTEAX	4	
ASTEEND	40	
ASTEICMA	0	80
ASTELTD	C	
ASTELTV	C	80
ASTEPALD	10	
ASTEPROG	1C	
ASTER018	18	
ASTER020	20	
ASTESAEM	B	80
ASTESQN	14	
ASTESBT	8	
ASTESSEM	8	80
ASTESTA	8	
ASTESTD	8	
ASTESTL	B	
ASTETYPE	1C	F0

ASVT Information

ASVT Programming Interface information

Programming Interface information

ASVT

End of Programming Interface information

ASVT Heading Information • ASVT Map

ASVT Heading Information

Common Name: Address Space Vector Table
Macro ID: IHAASVT
DSECT Name: ASVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: ASVTASVT
 Offset: 512
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Below 16M
Size: Offset of ASVTEND minus offset of ASVTBEGN plus
 four times the value of ASVTMAXU.
Created by: IEAVNP09
Pointed to by: CVTASVT field of the CVT data area
Serialization: General CMS lock and dispatcher lock
Function: Mapping for the Address Space Vector Table

ASVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ASVT	
0	(0)	CHARACTER	472	ASVTPRFX	RESERVED FOR FUTURE EXPANSION
472	(1D8)	DBL WORD	8	ASVTBEGN (0)	- BEGINNING OF ASVT
472	(1D8)	ADDRESS	4	ASVTREUA	ADDRESS OF ASVTREUS BITS
476	(1DC)	ADDRESS	4	ASVTRAVL	ADDRESS OF FIRST AVAILABLE REUSABLE ASID SLOT
480	(1E0)	SIGNED	4	ASVTA AV	NUMBER OF FREE SLOTS ON THE ASVT AVAILABLE QUEUE.
484	(1E4)	SIGNED	4	ASVTAST	NUMBER OF FREE SLOTS ON THE START/SASI QUEUE.
488	(1E8)	SIGNED	4	ASVTANR	NUMBER OF FREE SLOTS ON THE NON-REUSABLE REPLACEMENT QUEUE.
492	(1EC)	SIGNED	4	ASVTSTRT	ORIGINAL SIZE OF START/SASI QUEUE.
496	(1F0)	SIGNED	4	ASVTNONR	ORIGINAL SIZE OF NON-REUSABLE REPLACEMENT QUEUE.
500	(1F4)	SIGNED	4	ASVTMAXI	- ORIGINAL MAX USERS COUNT AS INPUT TO IEAVNP09. OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - NIP RIM PROCESS
504	(1F8)	BITSTRING	8		- RESERVED. WAS ASVTRSHD/DSHD
512	(200)	CHARACTER	4	ASVTASVT	- ACRONYM IN EBCDIC -ASVT-
516	(204)	SIGNED	4	ASVTMAXU	- MAXIMUM NUMBER OF ADDRESS SPACES
520	(208)	SIGNED	4	ASVTMDSC	- MAXUSER DEFICIT SLOT COUNT. ASVTMDSC = ASVTMAXI - ASVTA AV - NUMBER OF ACTIVE A.S. INCREMENTED WHEN WE TRY TO TAKE A REPLACEMENT SLOT BUT THERE AREN'T ANY. DECREMENTED WHEN NON-ZERO AND A NONREUSEABLE ASID BECOMES REUSEABLE AND WE ADD A SLOT TO THE MAXUSER POOL WHEN AN ADDRESS SPACE BECOMES REUSEABLE.
524	(20C)	ADDRESS 1...	4	ASVTFRST ASVTAVAI	- ADDRESS OF FIRST AVAILABLE ASVT ENTRY (MDC300) "X'80" - BIT ONE IF ASID IS AVAILABLE AND ZERO IF ASID IS ASSIGNED MDC002
528	(210)	ADDRESS 1...	4	ASVTENTY ASVTAVAL	- ENTRY FOR EACH POSSIBLE ASID. IF ADDRESS SPACE ASSIGNED, ENTRY CONTAINS ADDRESS OF ASCB. IF NOT ASSIGNED, ENTRY CONTAINS EITHER ADDRESS OF NEXT AVAILABLE ASID OR ZEROS WITH HIGH-ORDER BIT ON IF LAST ENTRY. (MDC301) IF THE ADDRESS SPACE IS MARKED NON-REUSABLE, THE ENTRY CONTAINS THE ADDRESS OF MASTER'S ASVT ENTRY WITH THE HIGH BIT ON. "X'80" - BIT ONE IF ASID IS AVAILABLE AND ZERO IF ASID IS ASSIGNED *** - END OF ASVT MDC003
528	(210)	X'214'	0	ASVTEND	"ASVTEND-ASVT" - LENGTH OF ASVT INCLUDING RESERVED FIELDS MDC004
528	(210)	X'214'	0	ASVTLEN	"ASVTEND-ASVT" - LENGTH OF ASVT INCLUDING RESERVED FIELDS MDC004
528	(210)	X'3C'	0	ASVTULEN	"ASVTEND-ASVTBEGN" - LENGTH OF USED FIELDS IN ASVT MDC005

ASVT Cross Reference

Name	Hex Offset	Hex Value
ASVT	0	
ASVTAAV	1E0	
ASVTANR	1E8	
ASVTAST	1E4	
ASVTASVT	200	
ASVTAVAI	20C	80
ASVTAVAL	210	80
ASVTBEGN	1D8	
ASVTEND	210	214
ASVTENTY	210	
ASVTFRST	20C	
ASVTLEN	210	214
ASVTMAXI	1F4	
ASVTMAXU	204	
ASVTMDSC	208	
ASVTNONR	1F0	
ASVTPRFX	0	
ASVTRAVL	1DC	
ASVTREUA	1D8	
ASVTSTRT	1EC	
ASVTULEN	210	3C

ASWA Information

ASWA Heading Information

Common Name: Allocation STAE Work Area
Macro ID: IEFZB453
DSECT Name: ASWA
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: ASWA
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: NO
 Virtual Storage: YES
 Auxiliary Storage: YES
 Subpool: 230
 Key: 1
 Data Space: NO
 Residency: Any
Size: 80 decimal bytes
Created by: IEFAB401, IEFAB4A0, IEFAB4EC, IEFAB4F4,
 IEFAB4F5, IEFAB421, IEFAB451, IEFAB493,
 IEFBB401, IEFBB410, IEFDB400
Pointed to by: STCBAlcArea points to the last ASWA on
 chain.
Serialization: None
Function: Maps the Allocation STAE Work Area (ASWA), which is
 used in Allocation's recovery processing.

ASWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	104	ASWA	ALOC STAE WORK AREA
0	(0)	CHARACTER	4	ASWAID	EBCDIC ID OF 'ASWA'
4	(4)	CHARACTER	8	ASWACSCT	EBCDIC NAME OF REC RTN TO GET CONTROL FOR THIS WORK AREA
12	(C)	ADDRESS	4	ASWARTNP	ADDRESS OF ABOVE CSECT
16	(10)	ADDRESS	4	ASWAPRMS	PTR TO PARMS IT SHOULD GET
20	(14)	ADDRESS	4	ASWASCBP	PTR TO STAE CONTROL BLOCK FOR ESTAE IN EFFECT WHEN THIS ASWA WAS BUILT
24	(18)	ADDRESS	4	ASWAOLDP	PTR TO LAST ASWA FOR A PRIOR ALLOC ESTAE - IF ANY
28	(1C)	CHARACTER	4	ASWAFGLS	FLAGS FOR SPECIAL PROCESSING
28	(1C)	BITSTRING	1	ASWADSWWS	SPECIAL CHECKS FOR SDUMP
		1... ..		ASWADYNF	CHECK SVC99 FRR PERCOLATION
		.1.		ASWACOMF	CHECK COMMON FRR PERCOLATION
		..1.		ASWAVMVF	CHECK VM&V FRR PERCOLATION
		...1		ASWADYUE	CHECK DYNAMIC USER ERROR
		.... 1..		ASWANEOH	THIS ASWA NOT CHAINED TO ASWA chain. PROCESS THIS ONE ESTAE EXIT ONLY
		.... .1..		ASWABND	CHECK IF EDT IS BOUND
		.... .1..		*	Reserved (formerly ASWAALLO)
		.... ..1		*	RESERVED 3@01D
29	(1D)	BITSTRING	3	*	RESERVED
32	(20)	ADDRESS	4	ASWAAUTO	PTR TO AUTO DATA FOR COMMON ESTAE EXIT- 1ST ASWA ONLY
36	(24)	ADDRESS	4	ASWACHNP	PTR TO PRECEDING ASWA ON CHAIN
40	(28)	ADDRESS	4	ASWAMSGP	Pointer to the DOM message IDs
44	(2C)	CHARACTER	8	ASWAFCSCT	NAME OF FAILING CSECT OR FIRST CSECT IN FAILING SUBCOMP
52	(34)	CHARACTER	16	ASWAMLVL	PTF AND PRODUCT INFORMATION ON 'ASWAFCSCT'
52	(34)	CHARACTER	8	ASWADATE	COMPILE DATE
60	(3C)	CHARACTER	8	ASWAPTF	PTF OR PRODUCT LEVEL
68	(44)	ADDRESS	4	ASWAFPTPT	POINT TO FOOTPRINT AREA
72	(48)	ADDRESS	4	ASWAEDTP	POINTER TO THE EDT
76	(4C)	ADDRESS	4	ASWAGBUF	GSPACE Buffer
80	(50)	SIGNED	4	ASWAGLEN	GSPACE Length
84	(54)	ADDRESS	4	ASWATREM	timed reminder object
88	(58)	CHARACTER	16	*	Reserved & available

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	ASWRECPM	RECOVERY PARAMETERS
0	(0)	CHARACTER	1	*	
		1... ..		ASWABEND	RECOVERY WAS NEEDED

ASWA Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.111 1111		*	RESERVED
1	(1)	CHARACTER	3	*	RESERVED
4	(4)	ADDRESS	4	ASWSAPRM	ADDRESS OF OPTIONAL COMMON ALLOCATION ESTAE EXIT PARAMETER BLOCK
8	(8)	CHARACTER	2	*	RESERVED
10	(A)	CHARACTER	22	ASWRUB	ASWA REGISTER UPDATE BLOCK
10	(A)	CHARACTER	2	ASWMASK	MASK VALUE FOR RUB
12	(C)	ADDRESS	4	ASWREG1	FIRST REGISTER IN RUB
16	(10)	ADDRESS	4	ASWREG2	SECOND REGISTER IN RUB
20	(14)	ADDRESS	4	ASWREG3	THIRD REGISTER IN RUB
24	(18)	ADDRESS	4	ASWREG4	FOURTH REGISTER IN RUB
28	(1C)	ADDRESS	4	ASWREG5	Fifth register in rub

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	ASWAFOOT	FOOTPRINT AREA
0	(0)	SIGNED	4	ASWAFLEN	FOOTPRINT AREA LENGTH
4	(4)	CHARACTER	8	ASWAFPNT	FOOTPRINT AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	STRUCTURE	8	ASWACOMM	COMMON ALLOCATION FOOTPRINT AREA
		11..		*	Reserved and available
		..1.		ASWAVENQ	Volume ENQ user exit
		...1		ASWAOFFL	Offline device user exit
		.... 1...		ASWASPEC	Specific wait user exit

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	STRUCTURE	8	ASWAVMV ASWAVMNT	Volume Mount & Verify Footprint Area Volume mount user exit

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	ASWAMSGS	DOM message IDs
0	(0)	SIGNED	4	ASWAMSCT	Message count, initialized in IEFAB421/IEFAB493/IEFGB4DC
4	(4)	CHARACTER	8	ASWADMSS	
4	(4)	SIGNED	4	ASWAMSID	
8	(8)	SIGNED	4	ASWAEAMS	Eventual action message

ASWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASWA	0		ASWAGBUF	4C	
ASWAAUTO	20		ASWAGLEN	50	
ASWABEND	0	80	ASWAID	0	
ASWABND	1C	04	ASWAMLVL	34	
ASWACHNP	24		ASWAMSCCT	0	
ASWACOMF	1C	40	ASWAMSGP	28	
ASWACOMM	4		ASWAMSGS	0	
ASWACSCT	4		ASWAMSID	4	
ASWADATE	34		ASWANOCH	1C	08
ASWADMSS	4		ASWAOFFL	4	10
ASWADSW	1C		ASWAOLDP	18	
ASWADYNF	1C	80	ASWAPRMS	10	
ASWADYUE	1C	10	ASWAPTF	3C	
ASWAEAMS	8		ASWARTNP	C	
ASWAEDTP	48		ASWASCBP	14	
ASWAFCSCT	2C		ASWASPEC	4	08
ASWAFLEN	0		ASWATREM	54	
ASWAFSGS	1C		ASWAVENQ	4	20
ASWAFOOT	0		ASWAVMNT	4	80
ASWAFPNT	4		ASWAVMV	4	
ASWAFPT	44		ASWAVMVF	1C	20

Name	Hex Offset	Hex Value
ASWMASK	A	
ASWRECPM	0	
ASWREG1	C	
ASWREG2	10	
ASWREG3	14	
ASWREG4	18	
ASWREG5	1C	
ASWRUB	A	
ASWSAPRM	4	

ASXB Information

ASXB Programming Interface information

Programming Interface information

ASXB

ONLY the following fields are part of the programming interface information:

- ASXBFTCB
- ASXBLCB
- ASXBSENV
- ASXBUSR8
- ASXBITCB
- ASXBLWA
- ASXBUSER

End of Programming Interface information

ASXB Heading Information • ASXB Map

ASXB Heading Information

Common Name: Address Space Extension Block
Macro ID: IHAASXB
DSECT Name: ASXB
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: ASXB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 255
 Key: 0
 Residency: Below the 16M line
Size: Offset of ASXBEND minus the offset of ASXB
Created by: SYSGEN
 IEAVEMIN
Pointed to by: ASCBASXB
Serialization: LOCAL lock
Function: Contains information and pointers needed for address space control. The ASXB is swappable, and the ASCB is not.

ASXB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ASXB	ADDRESS SPACE EXTENSION BLOCK
0	(0)	DBL WORD	8	ASXBEGIN (0)	- BEGINNING OF ASXB
0	(0)	CHARACTER	4	ASXBASXB	- ACRONYM IN EBCDIC -ASXB-
4	(4)	ADDRESS	4	ASXBFTCB	- POINTER TO FIRST TCB ON TCB QUEUE
8	(8)	ADDRESS	4	ASXBLTCB	- POINTER TO LAST TCB ON TCB QUEUE
12	(C)	SIGNED	2	ASXBTCBS	- NUMBER TCB'S IN THE MEMORY
14	(E)	BITSTRING	1	ASXBFLG1	- Flags
		1... ..		ASXBHCRM	"X'80" - Health Check AS resmgr set
15	(F)	BITSTRING	1	ASXBSCHD	- SCHEDULER FLAG BYTE
		1... ..		ASXBSWUP	"X'80" - INDICATES THAT SWA SHOULD BE WRITTEN ABOVE THE LINE FOR THIS ADDRESS SPACE
16	(10)	ADDRESS	4	ASXBMPST	- ADDRESS OF VTAM MEMORY PROCESS SCHEDULING TABLE MDC015
20	(14)	ADDRESS	4	ASXBLWA	- ADDRESS OF LWA MDC016
24	(18)	ADDRESS	4	ASXBVFVT	- POINTER TO INTERNAL VIRTUAL FETCH VECTOR TABLE. OWNERSHIP - VIRTUAL FETCH. SERIALIZATION - LOCAL LOCK.
28	(1C)	ADDRESS	4	ASXBsaf	- ROUTER RRCB ADDRESS
32	(20)	ADDRESS	4	ASXBHSA	- POINTER TO INTERRUPT HANDLERS SAVE AREA FOR LOCALLY LOCKED INTERRUPTS
36	(24)	SIGNED	4	ASXBFLSA (18)	- SAVE AREA FOR ANY FIRST LEVEL BRANCH ENTRY (MUST BE FIRST USER AFTER LOCAL LOCK IS OBTAINED)
108	(6C)	ADDRESS	4	ASXBOMCB	- POINTER TO OBJECT ACCESS METHOD CONTROL BLOCK
112	(70)	ADDRESS	4	ASXBSPSA	- POINTER TO LOCAL WORK/SAVE AREA VECTOR TABLE
116	(74)	ADDRESS	4	ASXBRSMD	- POINTER TO LOCAL RSM DATA AREA
120	(78)	ADDRESS	4	ASXBRCTD	- POINTER TO LOCAL RCT DATA AREA
124	(7C)	ADDRESS	4	ASXBDECB	- DUMP TASK ECB
128	(80)	ADDRESS	4	ASXBOUSB	- POINTER TO SYSTEM RESOURCES MANAGER (SRM) USER SWAPPABLE BLOCK MDC004
132	(84)	ADDRESS	4	ASXBCRWK	- CHECKPOINT/RESTART WORKAREA POINTER. OWNERSHIP - CHECKPOINT/RESTART. SERIALIZATION - NA.
136	(88)	CHARACTER	16	ASXBPRG	- SVC PURGE I/O PARAMETER LIST MDC003
152	(98)	CHARACTER	8	ASXBPSWD	- USER'S LOGON PASSWORD. IF BLANK, NOT REQUIRED MDC005
160	(A0)	ADDRESS	4	ASXBSIRB	- ADDRESS OF SIRB FOR THIS ADDRESS SPACE MDC010
164	(A4)	ADDRESS	4	ASXBETSK	- ADDRESS OF ERROR TASK FOR THIS ADDRESS SPACE MDC011
168	(A8)	CHARACTER	24	ASXBAEQ (0)	- QUEUE ANCHORS FOR EXIT EFFECTOR'S ASYNCHRONOUS EXIT QUEUES MDC012
168	(A8)	ADDRESS	4	ASXBFIQE	- POINTER TO FIRST IQE MDC006
172	(AC)	ADDRESS	4	ASXBliQE	- POINTER TO LAST IQE MDC007
176	(B0)	ADDRESS	4	ASXBFRQE	- POINTER TO FIRST RQE MDC008
180	(B4)	ADDRESS	4	ASXBLRQE	- POINTER TO LAST RQE MDC009
184	(B8)	ADDRESS	4	ASXBFSRB	- ADDRESS OF FIRST SRB MDC013
188	(BC)	ADDRESS	4	ASXBLSRB	- ADDRESS OF LAST SRB MDC014
192	(C0)	CHARACTER	8	ASXBUSR8 (0)	8-byte version of ASXBUSER
192	(C0)	CHARACTER	7	ASXBUSER	- USER ID FOR WHICH THE JOB OR SESSION IS BEING EXECUTED (MDC306)
199	(C7)	BITSTRING	1		- Last byte of ASXBUSR8. ASXBSECR and ASXBsFLG are deleted
200	(C8)	ADDRESS	4	ASXBSENV	- ADDRESS OF ACCESS CONTROL ENVIRONMENT ELEMENT (MDC304)
204	(CC)	ADDRESS	4	ASXBsFRS	Address of SSI function request storage. Ownership: SSI Serialization: CS
208	(D0)	DBL WORD	8	ASXBR0D0 (0)	Reserved as of z/OS 1.11
208	(D0)	DBL WORD	8	ASXBNSDW_PREZOS11 (0)	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
208	(D0)	ADDRESS	4	ASXBNSSA_PREZOS11	DOUBLEWORD CONTAINING THE NSSA POOL AND SYNCHRONIZATION COUNT. Not set as of z/OS 1.11
212	(D4)	SIGNED	4	ASXBNSCT_PREZOS11	NSSA POOL. Not set as of z/OS 1.11
216	(D8)	SIGNED	4	ASXBCASW (0)	COUNT USED TO SYNCHRONIZE THE NSSA POOL. Not set as of z/OS 1.11 - USED BY REGION CONTROL TASK (RCT)/CANCEL VIA CS INSTRUCTION (MDC313)
216	(D8)	BITSTRING 1...	1	ASXBCRB1 ASXBPIP	- CANCEL/RCT BYTE 1 (MDC314) "X'80" - SET BY RCT TO INDICATE PURGE (SVC 16) IS IN PROCESS (MDC315)
		.1...		ASXBTFD	"X'40" - SET BY CANCEL TO INDICATE THAT ALL SUBTASKS OF THE RCT HAVE BEEN SET DISPATCHABLE VIA STATUS (MDC316)
217	(D9)	BITSTRING	1	ASXBCRB2	- CANCEL/RCT BYTE 2 (MDC317)
218	(DA)	BITSTRING	1	ASXBCRB3	- CANCEL/RCT BYTE 3 (MDC318)
219	(DB)	BITSTRING	1	ASXBCRB4	- CANCEL/RCT BYTE 4 (MDC319)
220	(DC)	ADDRESS	4	ASXBPT0E	- POST EXIT QUEUE HEADER (MDC312)
224	(E0)	ADDRESS	4	ASXBCAPC	- Count of task mode UCB capture requests Ownership: IOS Serialization: Local Latch (Local Lock during NIP)
228	(E4)	ADDRESS	4	ASXBJSVT	- JES COMMUNICATION AREA POINTER. OWNERSHIP - JES2/3.
232	(E8)	ADDRESS	4	ASXBDIVW	- ADDRESS OF THE DIV WORK/SAVE AREA, OR ZERO IF NONE EXISTS
236	(EC)	ADDRESS	4	ASXBCAPT	- Pointer to IOS captured UCB object. Ownership: IOS Serialization: Local Latch (Local Lock during NIP)
240	(F0)	ADDRESS	4	ASXBLINF	- Latch information area Ownership: GRS Latch Serialization: LOCAL lock
244	(F4)	ADDRESS	4	ASXBPIRL	Pointer to queue of PIRLs. Ownership: IOS Serialization: local lock.
248	(F8)	ADDRESS	4	ASXBITCB	- Initial jobstep TCB address attached by initiator (IEFSD263) or 0 when no job is running. This field is valid for any address space that goes through full-function start.
252	(FC)	ADDRESS	4	ASXBRZVP	- Address of RZV Control Table Ownership: IOS
256	(100)	ADDRESS	4	ASXBGRSP	- Address of GRS control information for this address space. Ownership: GRS Serialization: CS
260	(104)	ADDRESS	4	ASXBVASB	Address of VASB. Ownership: VSAM Serialization: CS
264	(108)	DBL WORD	8	ASXBALEC	AuthorizedLE Anchor Ownership: LE
272	(110)	DBL WORD	8	ASXBIFAR (0)	Range
272	(110)	ADDRESS	4	ASXBFXRS	Range Start
276	(114)	ADDRESS	4	ASXBFXRE	Range End
280	(118)	ADDRESS	4	ASXBEXTA	Local exits
284	(11C)	ADDRESS	4	ASXBAXRL	AXR local area Ownership: Sysrexx
288	(120)	DBL WORD	8	ASXB_MAPREQ_ADDR	MAPMVS tracking area address
296	(128)	BITSTRING	216	ASXBR128	Reserved

Comment

Start of x'200' primarily write cache line

End of Comment

512	(200)	DBL WORD	8	ASXBNSDW (0)	DOUBLEWORD CONTAINING THE NSSA POOL AND SYNCHRONIZATION COUNT.
512	(200)	ADDRESS	4	ASXBNSSA	NSSA POOL.
516	(204)	SIGNED	4	ASXBNSCT	COUNT USED TO SYNCHRONIZE THE NSSA POOL.
520	(208)	BITSTRING	248	ASXBR208	Reserved
768	(300)	DBL WORD	8	ASXBEND (0)	- END OF ASXB

ASXB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASXB	0		ASXBDECB	7C	
ASXB_MAPREQ_ADDR	120		ASXBDIVW	E8	
ASXB AEQ	A8		ASXBEGIN	0	
ASXB ALEC	108		ASXBEND	300	
ASXB ASXB	0		ASXBETSK	A4	
ASXB AXRL	11C		ASXBEXTA	118	
ASXB CAPC	E0		ASXBFIQE	A8	
ASXB CAPT	EC		ASXBFLG1	E	
ASXB CASW	D8		ASXBFLSA	24	
ASXB CRB1	D8		ASXBFRQE	B0	
ASXB CRB2	D9		ASXBFSRB	B8	
ASXB CRB3	DA		ASXBFTCB	4	
ASXB CRB4	DB		ASXBFXRE	114	
ASXB CRWK	84		ASXBFXRS	110	
			ASXBGRSP	100	

ASXB Cross Reference

Name	Hex Offset	Hex Value
ASXBHCRM	E	80
ASXBIFAR	110	
ASXBIHSA	20	
ASXBITCB	F8	
ASXBJSVT	E4	
ASXBLINF	F0	
ASXBLIQE	AC	
ASXBLRQE	B4	
ASXBLSRB	BC	
ASXBLTCB	8	
ASXBLWA	14	
ASXBMPST	10	
ASXBNSCT	204	
ASXBNSCT_PREZOS11		
	D4	
ASXBNSDW	200	
ASXBNSDW_PREZOS11		
	D0	
ASXBNSSA	200	
ASXBNSSA_PREZOS11		
	D0	
ASXBOMCB	6C	
ASXBOUSB	80	
ASXBPIP	D8	80
ASXBPIRL	F4	
ASXBPRG	88	
ASXBPSWD	98	
ASXBPTOE	DC	
ASXBRCTD	78	
ASXBRSMD	74	
ASXBRZVP	FC	
ASXBR0D0	D0	
ASXBR128	128	
ASXBR208	208	
ASXBSAF	1C	
ASXBSCHD	F	
ASXBSENV	C8	
ASXBSEFRS	CC	
ASXBSIRB	A0	
ASXBSPSA	70	
ASXBSWUP	F	80
ASXBTCBS	C	
ASXBTFD	D8	40
ASXBUSER	C0	
ASXBUSR8	C0	
ASXBVASB	104	
ASXBVFVT	18	

ATA Information

ATA Heading Information

Common Name: ASM Tracking Area
Macro ID: ILRATA
DSECT Name: ATA
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: Above 16 Megabytes virtual
Size: 24 Bytes
Created by: ILRGOS or any ASM-issued SETFRR
Pointed to by: Register 4 points to ATA after a SETFRR has been issued by an ASM module.
Serialization: None
Function: The ATA contains information necessary for the recovery or clean-up processing performed by the ASM recovery routines. The ATA is mapped to the six word work area returned by SETFRR when an FRR is established. For task mode routines, the ATA is mapped to the parameter area that is passed via the ESTAE macro.

ATA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	ATA	ASM Tracking Area
0	(0)	UNSIGNED	1	ATAMODID	ID of module establishing recovery routine
1	(1)	BITSTRING	3	ATASFLGS	Bit map representing logical sections of ASM routines, set to 1 on entry, set to 0 on exit
		1... ..		ATAIOPPR	ILRIODRV PROCPARE subroutine
		.1.		ATASLSQA	ILRSLSQA flag
		.1.		ATASCOMP	SWAPCOMP flag
		..1		ATAVIOCM	ILRVIOCM flag
		... 1..		ATAPCOMP	PAGECOMP flag
		.... .1.		ATAPOS	ILRPOS flag
		.... ..1		ATAIOBSL	ILRIODRV BLOCKSEL subroutine
		.... ..1		ATAPAGCM	ILRPAGCM flag
2	(2)	1... ..		ATASWAP	ILRSWAP flag
		.1.		ATATRPAG	ILRTRPAG flag
		..1.		ATASWPDR	ILRSWPDR flag
		...1		ATACPBLD	ILRCPBLD flag
		.... 1..		ATAIOSSL	ILRIODRV SLOTSSEL subroutine
		.... .1.		ATAIOSCM	ILRIODRV STARTCOM subroutine
		.... ..1		ATAIOMXA	ILRIODRV MIXAIA subroutine
		.... ..1		ATAASPCT	ILRVIOCM in process of ASPCT update
3	(3)	1... ..		ATAPDCNV	LSID conversion routine processing
		.1.		ATA_MIGRATE_IO_COMP	MIGRATE_IO_COMP routine of ILRPAGCM in control
		..11 1111		ATARSV1	Reserved
4	(4)	BITSTRING	2	ATARFLGS	Other recovery flags
		1... ..		ATASGNST	ILRSLSQA flag - in ASIGNSET subroutine
		.1.		ATASCCWP	ILRSLSQA flag - in SCCWPROC subroutine
		..1.		ATABADPK	ILRCMPAE flag - in BADPACK routine
		...1		ATAPGVIO	VIO flag. 1 = Last PARTE processed accepted VIO data 0 = Last PARTE processed did not accept VIO data
		.... 1..		ATACPULK	CPU lock flag - used by ILRCMP. 1 = CPU lock obtained 0 = CPU lock not obtained
4	(4)	BITSTRING	1	ATARSV2	Reserved
6	(6)	BITSTRING	1	ATARCRSN	Recursion flags
		1... ..		ATARCRF1	Recursion flag - Function 1
		.1.		ATARCRF2	Recursion flag - Function 2
		.1.		ATARCRF3	Recursion flag - Function 3
		..1		ATARCRF4	Recursion flag - Function 4
		... 1..		ATARCRF5	Recursion flag - Function 5
		.... .1.		ATARCRF6	Recursion flag - Function 6
		.... ..1		ATARCRF7	Recursion flag - Function 7
		.... ..1		ATARCRF8	Recursion flag - Function 8
7	(7)	UNSIGNED	1	ATARCODE	Reason code for ASM-issued abends

ATA Constants • ATA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	CHARACTER	16	ATACLEAR	Definition allowing next 4 words to be cleared
8	(8)	ADDRESS	4	ATAIOSB	Address of in-process IOSB
12	(C)	ADDRESS	4	ATAPCCWQ	Queue of PCCWs to be put on the available PCCW queue
16	(10)	ADDRESS	4	ATACOMPQ	Queue of AIAs to be returned to ILRPAGCM
20	(14)	ADDRESS	4	ATACPCW	Address of in-process PCCW, not on IORB queue and not on ATAPCCWQ

ATA Constants

Len	Type	Value	Name	Description
1	HEX	01	ATAMIODR	ILRIODRV module ID
1	HEX	02	ATAMPGCM	ILRPAGCM module ID
1	HEX	03	ATAMSWAP	ILRSWAP module ID
1	HEX	04	ATAMTRPG	ILRTRPAG module ID
1	HEX	05	ATAMSWPD	ILRSWPDR module ID
1	HEX	06	ATAMGOS	ILRGOS module ID
1	HEX	07	ATAMVIOD	ILRVIODR module ID
1	HEX	08	ATAMSRBC	ILRSRBC module ID
1	HEX	09	ATAMCMPD	ILRCMPDI module ID
1	HEX	0A	ATAMCMPN	ILRCMPNE module ID
1	HEX	0B	ATAMCMPA	ILRCMPAE module ID
1	HEX	0C	ATAMCMP	ILRCMP module ID
1	HEX	0D	ATAMREDV	ILREDRV module ID
1	HEX	0E	ATAMCMPP	ILRCMPPI module ID
1	HEX	0F	ATAMCMNT	ILRCMPNT module ID
1	HEX	10	ATAMSWIO	ILRSWLIO module ID
1	HEX	11	ATAMSPIN	ILRSWPIN module ID
1	HEX	12	ATAMSWOU	ILRSWAP module ID
1	HEX	13	ATAMSIO	ILRSIO module ID
1	HEX	14	ATAMPGFL	ILRPGFLT module ID
1	HEX	15	ATAMFRSL	ILRFRSLT module ID
1	HEX	16	ATAMFRSW	ILRFRSWP module ID
1	HEX	17	ATAMFRSU	ILRFRSLU module ID
1	HEX	18	ATAMSWSC	ILRSWSCN module ID
1	HEX	19	ATAMMIGR	ILRMIGRT module ID
1	HEX	20	ATAMMIGS	ILRMIGRS module ID
1	HEX	21	ATAFRTST	ILRFRTST module ID
1	HEX	22	ATACTBD	ILRCTBD module ID
1	HEX	23	ATAPDVIO	ILRPDVIO module ID
1	HEX	24	ATAMFRSB	ILRFRSRB module ID
1	HEX	25	ATAMESQR	ILRESQRY module ID
1	HEX	26	ATAMMVES	ILRMOVES module ID
1	HEX	27	ATAMUPDA	ILRUPDAC module ID
1	HEX	28	ATAMUPBC	ILRUPDBC module ID
1	HEX	29	ATAMSCMS	ILRSCMRB module ID

ATA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATA	0		ATARCODE	7	
ATA_MIGRATE_IO_COMP	3	40	ATARCRF1	6	80
			ATARCRF2	6	40
ATAASPCT	2	01	ATARCRF3	6	20
ATABADPK	4	20	ATARCRF4	6	10
ATACLEAR	8		ATARCRF5	6	08
ATACOMPQ	10		ATARCRF6	6	04
ATACPBLD	2	10	ATARCRF7	6	02
ATACPCW	14		ATARCRF8	6	01
ATACPULK	4	08	ATARCRSN	6	
ATAIOSB	1	02	ATARFLGS	4	
ATAIOMXA	2	02	ATARSV1	3	3F
ATAIOPPR	1	80	ATARSV2	4	
ATAIOSB	8		ATASCCWP	4	40
ATAIOSCM	2	04	ATASCOMP	1	20
ATAIOSSL	2	08	ATASFLGS	1	
ATAMODID	0		ATASGNST	4	80
ATAPAGCM	1	01	ATASLSQA	1	40
ATAPCCWQ	C		ATASWAP	2	80
ATAPCOMP	1	08	ATASWPDR	2	20
ATAPDCNV	3	80	ATATRPAG	2	40
ATAPGVIO	4	10	ATAVIOCM	1	10
ATAPOS	1	04			

ATBAPPCA Information

ATBAPPCA Programming Interface information

Programming Interface information

ATBAPPCA

End of Programming Interface information

ATBAPPCA Heading Information • ATBAPPCA Cross Reference

ATBAPPCA Heading Information

Common Name: APPC Component Control Block
Macro ID: ATBAPPCA
DSECT Name: ATBAPPCA
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: ATBAPPC
 Offset: 0
 Length: 8
Storage Attributes: Subpool: Subpool 241
 Key: 1
 Residency: Above 16 Meg
Size: See Assembler listing for ATBAPPCA
Created by: ATBINSYS - the APPC System initialization
Pointed to by: ECVTAPPC field of data area ECVT
Serialization: None
Function: Mapping of APPC/MVS specific information that is available for use by the installation.

ATBAPPCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBAPPCA	APPC Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	CHARACTER	8	APPC_ID	Identifier 'ATBAPPC'
8	(8)	CHARACTER	2	APPC_VER	Version number
10	(A)	SIGNED	2	APPC_LENGTH	Length of ATBAPPC
12	(C)	CHARACTER	4		Align on double word boundary
16	(10)	CHARACTER	8	APPC_GROUP_NAME	Name of APPC/XCF group
24	(18)	CHARACTER	4	APPC_BUFFER_STOR	Buffer storage limit
28	(1C)	CHARACTER	7	APPC_CONVBUFF	Buffer limit for each conversation in Kbytes
35	(23)	CHARACTER	5	APPC_CONVMAX	APPC active conversation threshold for an AS
40	(28)	CHARACTER	8	APPC_LOGGING	APPC LOGGING setting will have the value LEGACY, RRSNAME or all blanks
48	(30)	CHARACTER	8	APPC_RRSNAME	Value of RRS GNAME when LOGGING=RRSNAME
56	(38)	CHARACTER	7	APPC_CMACTION	Action APPC takes when CONVMAX threshold is reached
63	(3F)	CHARACTER	25	APPC_FREE	Expansion area
88	(58)	DBL WORD	8	(0)	Align on doubleword boundary

ATBAPPCA Cross Reference

Name	Hex Offset	Hex Value
APPC_BUFFER_STOR	18	
APPC_CMACTION	38	
APPC_CONVBUFF	1C	
APPC_CONVMAX	23	
APPC_FREE	3F	
APPC_GROUP_NAME	10	
APPC_ID	0	
APPC_LENGTH	A	
APPC_LOGGING	28	
APPC_RRSNAME	30	
APPC_VER	8	
ATBAPPCA	0	

ATBASASM Information

ATBASASM Programming Interface information

Programming Interface information

ATBASASM

End of Programming Interface information

ATBASASM Heading Information • ATBASASM Map

ATBASASM Heading Information

Common Name: Interface Declaration File for APPC/MVS Version Service - Assembler
Macro ID: ATBASASM
DSECT Name: N/A
Owning Component: APPC Component (SCACB)
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: ATBASASM contains the Assembler language declarations for parameter values for the APPC/MVS Version Service

ATBASASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	ATBATP_FW0	
4	(4)	SIGNED	4	ATBATP_FW1	
8	(8)	SIGNED	4	ATBATP_FW2	
12	(C)	SIGNED	4	ATBATP_FW3	
16	(10)	SIGNED	4	ATBATP_FW4	
20	(14)	SIGNED	4	ATBATP_FW5	
24	(18)	SIGNED	4	ATBATP_FW6	
28	(1C)	SIGNED	4	ATBATP_FW48	

Comment

Version Numbers returned by the Version Service

End of Comment

28	(1C)	X'4'	0	ATBVERS_422_VERSION	"ATBATP_FW1"
28	(1C)	X'8'	0	ATBVERS_430_VERSION	"ATBATP_FW2"
28	(1C)	X'C'	0	ATBVERS_510_VERSION	"ATBATP_FW3"
28	(1C)	X'10'	0	ATBVERS_OS390R3_VERSION	"ATBATP_FW4"
28	(1C)	X'14'	0	ATBVERS_OS390R8_VERSION	"ATBATP_FW5"
28	(1C)	X'18'	0	ATBVERS_ZOSV1R7_VERSION	"ATBATP_FW6"

Comment

RETURN CODE VALUES

Common Return Code Values

The requested service was completed successfully

End of Comment

28	(1C)	X'0'	0	ATBATP_SUCCESSFUL	"ATBATP_FW0"
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Comment

Return Codes for ATBVERS Service Failure

End of Comment

28	(1C)	X'1C'	0	ATBVERS_SERVICE_FAILURE	"ATBATP_FW48"
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ATBASASM Cross Reference

Name	Hex Offset	Hex Value
ATBATP_FW0	0	0
ATBATP_FW1	4	1
ATBATP_FW2	8	2
ATBATP_FW3	C	3
ATBATP_FW4	10	4
ATBATP_FW48	1C	30
ATBATP_FW5	14	5
ATBATP_FW6	18	6
ATBATP_SUCCESSFUL	1C	0
ATBVERS_OS390R3_VERSION	1C	10
ATBVERS_OS390R8_VERSION	1C	14
ATBVERS_SERVICE_FAILURE	1C	1C
ATBVERS_ZOSV1R7_VERSION	1C	18
ATBVERS_422_VERSION	1C	4
ATBVERS_430_VERSION	1C	8
ATBVERS_510_VERSION	1C	C

ATBCSASM Information

ATBCSASM Programming Interface information

Programming Interface information

ATBCSASM

End of Programming Interface information

ATBCSASM Heading Information • ATBCSASM Map

ATBCSASM Heading Information

Common Name: Interface Declaration File for APPC/MVS Callable System Services - Assembler
Macro ID: ATBCSASM
DSECT Name: none
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: N/A
 Offset: N/A
 Length: N/A
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: ATBCSASM contains the Assembler language declarations for parameter values for the APPC/MVS Callable System Services

ATBCSASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	ATBCSS_FW0	
4	(4)	SIGNED	4	ATBCSS_FW1	
8	(8)	SIGNED	4	ATBCSS_FW2	
12	(C)	SIGNED	4	ATBCSS_FW3	
16	(10)	SIGNED	4	ATBCSS_FW4	
20	(14)	SIGNED	4	ATBCSS_FW5	
24	(18)	SIGNED	4	ATBCSS_FW6	
28	(1C)	SIGNED	4	ATBCSS_FW7	
32	(20)	SIGNED	4	ATBCSS_FW8	
36	(24)	SIGNED	4	ATBCSS_FW12	
40	(28)	SIGNED	4	ATBCSS_FW14	
44	(2C)	SIGNED	4	ATBCSS_FW16	
48	(30)	SIGNED	4	ATBCSS_FW18	
52	(34)	SIGNED	4	ATBCSS_FW20	
56	(38)	SIGNED	4	ATBCSS_FW22	
60	(3C)	SIGNED	4	ATBCSS_FW24	
64	(40)	SIGNED	4	ATBCSS_FW26	
68	(44)	SIGNED	4	ATBCSS_FW28	
72	(48)	SIGNED	4	ATBCSS_FW30	
76	(4C)	SIGNED	4	ATBCSS_FW38	
80	(50)	SIGNED	4	ATBCSS_FW40	

Comment

Function Values for Control Service

End of Comment

80	(50)	X'0'	0	ATBCNTL_HALT_INPUT	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCNTL_RESUME_INPUT	"ATBCSS_FW1"
80	(50)	X'8'	0	ATBCNTL_HALT_ALL_INPUT	"ATBCSS_FW2"
80	(50)	X'C'	0	ATBCNTL_RESUME_ALL_INPUT	"ATBCSS_FW3"

Comment

Condition Values for Cleanup AS Service

End of Comment

80	(50)	X'0'	0	ATBCMAS_NORMAL_CLEANUP	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMAS_SYSTEM_CLEANUP	"ATBCSS_FW1"

Comment

Notify Type Values for Cleanup AS Service

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	X'0'	0	ATBCMAS_NOTIFY_TYPE_NONE	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMAS_NOTIFY_TYPE_ECB	"ATBCSS_FW1"
Comment					
Condition Values for Cleanup TP Service					
End of Comment					
80	(50)	X'0'	0	ATBCMTP_NORMAL_CLEANUP	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMTP_SYSTEM_CLEANUP	"ATBCSS_FW1"
80	(50)	X'8'	0	ATBCMTP_TP_NOT_AVAIL_NO_RETRY	"ATBCSS_FW2"
80	(50)	X'C'	0	ATBCMTP_TP_NOT_AVAIL_RETRY	"ATBCSS_FW3"
80	(50)	X'10'	0	ATBCMTP_TPN_NOT_RECOGNIZED	"ATBCSS_FW4"
80	(50)	X'14'	0	ATBCMTP_SECURITY_NOT_VALID	"ATBCSS_FW5"
80	(50)	X'18'	0	ATBCMTP_SYNC_LEVEL_NOT_SPT_PGM	"ATBCSS_FW6"
80	(50)	X'1C'	0	ATBCMTP_USER_NOT_AUTH_FOR_TP	"ATBCSS_FW7"
Comment					
Notify Type Values for Cleanup TP Service					
End of Comment					
80	(50)	X'0'	0	ATBCMTP_NOTIFY_TYPE_NONE	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMTP_NOTIFY_TYPE_ECB	"ATBCSS_FW1"
Comment					
TP Profile Processing Values for Identify Service					
End of Comment					
80	(50)	X'0'	0	ATBIDEN_PROFILE_REQUIRED	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBIDEN_PROFILE_OPTIONAL	"ATBCSS_FW1"
Comment					
LU Initial Status Values for Identify Service					
End of Comment					
80	(50)	X'0'	0	ATBIDEN_LU_INIT_STAT_ACTIVE	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBIDEN_LU_INIT_STAT_OUTBOUND	"ATBCSS_FW1"
Comment					
Prohibit_default_lu values for Set AS Attributes Service					
End of Comment					
80	(50)	X'0'	0	ATBSASA_PROHIBIT_DEFAULT_LU_NO	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBSASA_PROHIBIT_DEFAULT_LU_YES	"ATBCSS_FW1"
Comment					
Unidentify_type values for Unidentify Service					
End of Comment					
80	(50)	X'0'	0	ATBUNID_UNIDENT_TYPE_NORMAL	

ATBCSASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	X'4'	0	ATBUNID_UNIDENT_TYPE_IMMEDIATE	"ATBCSS_FW0" "ATBCSS_FW1"
<p>Comment</p> <p>RETURN CODE VALUES ----- Common Return Code Values The requested service was completed successfully</p> <p>End of Comment</p>					
80	(50)	X'0'	0	ATB_SUCCESSFUL	"ATBCSS_FW0"
<p>Comment</p> <p>The requested service is not supported in the callers environment.</p> <p>End of Comment</p>					
84	(54)	SIGNED	4	ATB_INVALID_ENVIRONMENT	
<p>Comment</p> <p>The requested service must be invoked from a transaction scheduler address space</p> <p>End of Comment</p>					
88	(58)	SIGNED	4	ATB_AS_MUST_BE_A_TS	
<p>Comment</p> <p>The requested service must be invoked from a transaction scheduler address space or from a transaction scheduler subordinate address space</p> <p>End of Comment</p>					
92	(5C)	SIGNED	4	ATB_AS_MUST_BE_A_TS_OR_SUB	
<p>Comment</p> <p>The requested service can not be called from a transaction scheduler subordinate address space or have outstanding conversations</p> <p>End of Comment</p>					
96	(60)	SIGNED	4	ATB_AS_CANT_BE_SUB_OR_HAVE_CONV	
<p>Comment</p> <p>APPC/MVS is not currently active</p> <p>End of Comment</p>					
100	(64)	SIGNED	4	ATB_APPC_NOT_ACTIVE	
<p>Comment</p> <p>APPC/MVS services failure</p> <p>End of Comment</p>					
104	(68)	SIGNED	4	ATB_APPC_SERVICES_FAILURE	
<p>Comment</p> <p>Return Codes for Associate Service The TPID specified is not valid</p> <p>End of Comment</p>					
104	(68)	X'20'	0	ATBASOC_INVALID_TPID	"ATBCSS_FW8"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
The new address space is already associated with a TPID					
End of Comment					
104	(68)	X'24'	0	ATBASOC_AS_ALREADY_ASSOCIATED	"ATBCSS_FW12"
Comment					
A TPID of zero was specified and Current_ASCB_Ptr is for a transaction scheduler					
End of Comment					
104	(68)	X'2C'	0	ATBASOC_ZERO_TPID_INVALID_FOR_TS	"ATBCSS_FW16"
Comment					
The New_ASCB_Ptr parameter was not valid					
End of Comment					
104	(68)	X'34'	0	ATBASOC_INVALID_NEW_ASCB_PTR	"ATBCSS_FW20"
Comment					
The Current_ASCB_Ptr parameter was not valid					
End of Comment					
104	(68)	X'3C'	0	ATBASOC_INVALID_CURRENT_ASCBPTR	"ATBCSS_FW24"
Comment					
The Transaction Program to be associated has an active APPC request outstanding					
End of Comment					
104	(68)	X'44'	0	ATBASOC_APPC_REQUEST_OUTSTAND	"ATBCSS_FW28"
Comment					
The combination of parameters is not valid					
End of Comment					
104	(68)	X'48'	0	ATBASOC_INVALID_PARM_COMB	"ATBCSS_FW30"
Comment					
The TP to be associated is owned by a server address space					
End of Comment					
104	(68)	X'4C'	0	ATBASOC_TP_OWNED_BY_SERVER	"ATBCSS_FW38"
Comment					
Return Codes for Connect Service The ASCB_Ptr parameter was not valid					
End of Comment					
104	(68)	X'10'	0	ATBCONN_INVALID_ASCB_PTR	"ATBCSS_FW4"

ATBCSASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					The Connect request was rejected because either the address space specified is already connected to a transaction scheduler or the address space has outstanding APPC conversations
					End of Comment
104	(68)	X'20'	0	ATBCONN_CONNECT_REJECTED	"ATBCSS_FW8"
					Comment
					Return Codes for Cleanup AS No conversations exist to be cleaned up
					End of Comment
104	(68)	X'10'	0	ATBCMAS_NO_CONVERSATIONS	"ATBCSS_FW4"
					Comment
					The ASCB_Ptr parameter was not valid
					End of Comment
104	(68)	X'20'	0	ATBCMAS_INVALID_ASCB	"ATBCSS_FW8"
					Comment
					Failure in establishing the asynchronous thread
					End of Comment
104	(68)	X'24'	0	ATBCMAS_ASYNC_FAILURE	"ATBCSS_FW12"
					Comment
					Return Codes for Cleanup TP No conversations exist to be cleaned up
					End of Comment
104	(68)	X'10'	0	ATBCMTP_NO_CONVERSATIONS	"ATBCSS_FW4"
					Comment
					The TPID parameter specifies a non-existent TP instance
					End of Comment
104	(68)	X'20'	0	ATBCMTP_INVALID_TPID	"ATBCSS_FW8"
					Comment
					Failure in establishing the asynchronous thread
					End of Comment
104	(68)	X'24'	0	ATBCMTP_ASYNC_FAILURE	"ATBCSS_FW12"
					Comment
					Return Codes for Control Service Request accepted. One or more LUs were not immediately affected
					End of Comment
104	(68)	X'10'	0	ATBCNTL_LU_AFFECTED_LATER	"ATBCSS_FW4"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
The LU name specified is not valid or does not belong to calling transaction scheduler					
End of Comment					
104	(68)	X'20'	0	ATBCNTL_LU_NOT_ASSIGNED_TO_TS	"ATBCSS_FW8"
Comment					
The LU is in a state that can not be changed by this service					
End of Comment					
104	(68)	X'24'	0	ATBCNTL_INVALID_LU_STATE	"ATBCSS_FW12"
Comment					
The function code specified is not valid					
End of Comment					
104	(68)	X'2C'	0	ATBCNTL_INVALID_FUNCTION	"ATBCSS_FW16"
Comment					
Return Codes for Disconnect Service The ASCB_Ptr parameter was not valid					
End of Comment					
104	(68)	X'10'	0	ATBDCON_INVALID_ASCB_PTR	"ATBCSS_FW4"
Comment					
The address space specified is not a subordinate address space connected to the calling transaction scheduler					
End of Comment					
104	(68)	X'20'	0	ATBDCON_NOT_CONNECTED	"ATBCSS_FW8"
Comment					
Return Codes for Define Local TP Service The LU name specified is not valid or does not belong to calling transaction scheduler					
End of Comment					
104	(68)	X'10'	0	ATBDFTP_LU_NOT_ASSIGNED_TO_TS	"ATBCSS_FW4"
Comment					
The TP name is not a valid character string					
End of Comment					
104	(68)	X'20'	0	ATBDFTP_INVALID_TP_NAME	"ATBCSS_FW8"
Comment					
Return Codes for Identify Service Request accepted. No base LUs are present					
End of Comment					
104	(68)	X'10'	0	ATBIDEN_NO_BASE_LU	"ATBCSS_FW4"

ATBCSASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					Request accepted. No applicable LU names found
					End of Comment
104	(68)	X'20'	0	ATBIDEN_NO_LUS	"ATBCSS_FW8"
					Comment
					The calling transaction scheduler address space has already identified itself with the same name
					End of Comment
104	(68)	X'24'	0	ATBIDEN_IDENTIFIED_SAME_NAME	"ATBCSS_FW12"
					Comment
					The calling transaction scheduler address space has already identified itself but with a different name
					End of Comment
104	(68)	X'28'	0	ATBIDEN_IDENTIFIED_DIFF_NAME	"ATBCSS_FW14"
					Comment
					The transaction scheduler name is already in use
					End of Comment
104	(68)	X'2C'	0	ATBIDEN_SCHED_NAME_IN_USE	"ATBCSS_FW16"
					Comment
					The loading of the conversion exit was unsuccessful
					End of Comment
104	(68)	X'30'	0	ATBIDEN_EXIT_LOAD_FAILED	"ATBCSS_FW18"
					Comment
					The scheduler name parameter is not valid
					End of Comment
104	(68)	X'34'	0	ATBIDEN_INVALID_SCHED_NAME	"ATBCSS_FW20"
					Comment
					The Conversion exit name passed in is not valid
					End of Comment
104	(68)	X'38'	0	ATBIDEN_INVALID_EXIT_NAME	"ATBCSS_FW22"
					Comment
					The TP_Profile_Processing parameter value is not valid
					End of Comment
104	(68)	X'3C'	0	ATBIDEN_INVALID_TP_PROF_PROC	"ATBCSS_FW24"
					Comment
					The Resource_Manager_Name parameter value is not valid
					End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
104	(68)	X'40'	0	ATBIDEN_RM_NAME_NOT_VALID	"ATBCSS_FW26"
Comment					
The LU_initial_status parameter is not valid					
End of Comment					
104	(68)	X'44'	0	ATBIDEN_INVALID_LU_INIT_STATUS	"ATBCSS_FW28"
Comment					
The Identify service was issued from a server address space					
End of Comment					
104	(68)	X'50'	0	ATBIDEN_IDENTIFIED_FROM_SERVER	"ATBCSS_FW40"
Comment					
Return Codes for Unidentify Service The unidentify type parameter contains an unknown value					
End of Comment					
104	(68)	X'2C'	0	ATBUNID_INVALID_UNIDENTIFY_TYPE	"ATBCSS_FW16"
Comment					
Return Codes for Join SysAppc Group Service XCF failed or request is denied by XCF					
End of Comment					
104	(68)	X'20'	0	ATBMIGRP_XCF_FAILED	"ATBCSS_FW8"
Comment					
The caller is not running in supervisor state or key 0-7					
End of Comment					
104	(68)	X'50'	0	ATBMIGRP_CALLER_NOT_SUP_KEY0_7	"ATBCSS_FW40"
Comment					
Return Codes for Set Address Space Attributes Service The ASCB_Ptr parameter was not valid					
End of Comment					
104	(68)	X'10'	0	ATBSASA_INVALID_ASCB_PTR	"ATBCSS_FW4"
Comment					
The Default_LU_designation parameter is not valid					
End of Comment					
104	(68)	X'20'	0	ATBSASA_INVALID_PROHIBIT_VALUE	"ATBCSS_FW8"
Comment					
The caller is not running in supervisor state or key 0-7					
End of Comment					
104	(68)	X'50'	0	ATBSASA_CALLER_NOT_SUP_KEY0_7	"ATBCSS_FW40"

ATBCSASM Cross Reference

ATBCSASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATB_APPC_NOT_ACTIVE	64	2C	ATBCNTL_HALT_INPUT	50	0
ATB_APPC_SERVICES_FAILURE	68	30	ATBCNTL_INVALID_FUNCTION	68	2C
ATB_AS_CANT_BE_SUB_OR_HAVE_CONV	60	26	ATBCNTL_INVALID_LU_STATE	68	24
ATB_AS_MUST_BE_A_TS	58	22	ATBCNTL_LU_AFFECTED_LATER	68	10
ATB_AS_MUST_BE_A_TS_OR_SUB	5C	24	ATBCNTL_LU_NOT_ASSIGNED_TO_TS	68	20
ATB_INVALID_ENVIRONMENT	54	20	ATBCNTL_RESUME_ALL_INPUT	50	C
ATB_SUCCESSFUL	50	0	ATBCNTL_RESUME_INPUT	50	4
ATBASOC_APPC_REQUEST_OUTSTAND	68	44	ATBCONN_CONNECT_REJECTED	68	20
ATBASOC_AS_ALREADY_ASSOCIATED	68	24	ATBCONN_INVALID_ASCB_PTR	68	10
ATBASOC_INVALID_CURRENT_ASCBPTR	68	3C	ATBCSS_FW0	0	0
ATBASOC_INVALID_NEW_ASCB_PTR	68	34	ATBCSS_FW1	4	1
ATBASOC_INVALID_PARM_COMB	68	48	ATBCSS_FW12	24	C
ATBASOC_INVALID_TPID	68	20	ATBCSS_FW14	28	E
ATBASOC_TP_OWNED_BY_SERVER	68	4C	ATBCSS_FW16	2C	10
ATBASOC_ZERO_TPID_INVAL_FOR_TS	68	2C	ATBCSS_FW18	30	12
ATBCMAS_ASYNC_FAILURE	68	24	ATBCSS_FW2	8	2
ATBCMAS_INVALID_ASCB	68	20	ATBCSS_FW20	34	14
ATBCMAS_NO_CONVERSATIONS	68	10	ATBCSS_FW22	38	16
ATBCMAS_NORMAL_CLEANUP	50	0	ATBCSS_FW24	3C	18
ATBCMAS_NOTIFY_TYPE_ECB	50	4	ATBCSS_FW26	40	1A
ATBCMAS_NOTIFY_TYPE_NONE	50	0	ATBCSS_FW28	44	1C
ATBCMAS_SYSTEM_CLEANUP	50	4	ATBCSS_FW3	C	3
ATBCMTP_ASYNC_FAILURE	68	24	ATBCSS_FW30	48	1E
ATBCMTP_INVALID_TPID	68	20	ATBCSS_FW38	4C	26
ATBCMTP_NO_CONVERSATIONS	68	10	ATBCSS_FW4	10	4
ATBCMTP_NORMAL_CLEANUP	50	0	ATBCSS_FW40	50	28
ATBCMTP_NOTIFY_TYPE_ECB	50	4	ATBCSS_FW5	14	5
ATBCMTP_NOTIFY_TYPE_NONE	50	0	ATBCSS_FW6	18	6
ATBCMTP_SECURITY_NOT_VALID	50	14	ATBCSS_FW7	1C	7
ATBCMTP_SYNC_LEVEL_NOT_SPT_PGM	50	18	ATBCSS_FW8	20	8
ATBCMTP_SYSTEM_CLEANUP	50	4	ATBDCON_INVALID_ASCB_PTR	68	10
ATBCMTP_TP_NOT_AVAIL_NO_RETRY	50	8	ATBDCON_NOT_CONNECTED	68	20
ATBCMTP_TP_NOT_AVAIL_RETRY	50	C	ATBDFTP_INVALID_TP_NAME	68	20
ATBCMTP_TPN_NOT_RECOGNIZED	50	10	ATBDFTP_LU_NOT_ASSIGNED_TO_TS	68	10
ATBCMTP_USER_NOT_AUTH_FOR_TP	50	1C	ATBIDEN_EXIT_LOAD_FAILED	68	30
ATBCNTL_HALT_ALL_INPUT	50	8	ATBIDEN_IDENTIFIED_DIFF_NAME	68	28
			ATBIDEN_IDENTIFIED_FROM_SERVER	68	50
			ATBIDEN_IDENTIFIED_SAME_NAME	68	24
			ATBIDEN_INVALID_EXIT_NAME	68	38
			ATBIDEN_INVALID_LU_INIT_STATUS	68	44
			ATBIDEN_INVALID_SCHED_NAME	68	34
			ATBIDEN_INVALID_TP_PROF_PROC	68	3C
			ATBIDEN_LU_INIT_STAT_ACTIVE	50	0
			ATBIDEN_LU_INIT_STAT_OUTBOUND	50	4
			ATBIDEN_NO_BASE_LU	68	10
			ATBIDEN_NO_LUS	68	20
			ATBIDEN_PROFILE_OPTIONAL		

Name	Hex Offset	Hex Value
ATBIDEN_PROFILE_REQUIRED	50	4
ATBIDEN_RM_NAME_NOT_VALID	50	0
ATBIDEN_SCHED_NAME_IN_USE	68	40
ATBMIGRP_CALLER_NOT_SUP_KEY0_7	68	2C
ATBMIGRP_XCF_FAILED	68	50
ATBSASA_CALLER_NOT_SUP_KEY0_7	68	20
ATBSASA_INVALID_ASCB_PTR	68	50
ATBSASA_INVALID_PROHIBIT_VALUE	68	10
ATBSASA_PROHIBIT_DEFAULT_LU_NO	68	20
ATBSASA_PROHIBIT_DEFAULT_LU_YES	50	0
ATBUNID_INVALID_UNIDENTIFY_TYPE	50	4
ATBUNID_UNIDENT_TYPE_IMMEDIATE	68	2C
ATBUNID_UNIDENT_TYPE_NORMAL	50	4
	50	0

ATBCTASM Information

ATBCTASM Programming Interface information

Programming Interface information

ATBCTASM

End of Programming Interface information

ATBCTASM Heading Information • ATBCTASM Map

ATBCTASM Heading Information

Common Name: Interface Declaration File for Callable Transaction Services - Assembler
Macro ID: ATBCTASM
DSECT Name: N/A
Owning Component: APPC Component (SCACB)
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: ATBCTASM contains the Assembler language declarations for parameter values for Callable Transaction Services.

ATBCTASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBCTS_BUF_ALLOC_QUEUE_MIN	
0	(0)	SIGNED	4	(0)	Align on word boundary
0	(0)	CHARACTER	8	ATBCTS_MIN_ALLOC_QUEUE_TOKEN	
8	(8)	CHARACTER	4	ATBCTS_MIN_QUEUE_SIZE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBCTS_BUF_ALLOC_QUEUE_MAX	
0	(0)	SIGNED	4	(0)	Align on word boundary
0	(0)	CHARACTER	8	ATBCTS_MAX_ALLOC_QUEUE_TOKEN	
8	(8)	CHARACTER	4	ATBCTS_MAX_QUEUE_SIZE	

Comment

Return Code Values

End of Comment

44	(2C)	SIGNED	4	ATBCTS_OK	
48	(30)	SIGNED	4	ATBCTS_WARNING	
52	(34)	SIGNED	4	ATBCTS_PARAMETER_ERROR	
56	(38)	SIGNED	4	ATBCTS_REQUEST_UNSUCCESSFUL	
60	(3C)	SIGNED	4	ATBCTS_SERVICE_FAILURE	
64	(40)	SIGNED	4	ATBCTS_APPC_NOT_AVAILABLE	

Comment

Reason Code Values

End of Comment

68	(44)	SIGNED	4	ATBCTS_ALREADY_REGISTERED	
72	(48)	SIGNED	4	ATBCTS_TP_NAME_NOT_SPECIFIED	
76	(4C)	SIGNED	4	ATBCTS_INVAL_TP_NAME	
80	(50)	SIGNED	4	ATBCTS_INVAL_TP_NAME_LENGTH	
84	(54)	SIGNED	4	ATBCTS_LOCAL_LU_NOT_SPECIFIED	

Comment

6 IS RESERVED

End of Comment

88	(58)	SIGNED	4	ATBCTS_PARAMETER_INACCESSIBLE	
92	(5C)	SIGNED	4	ATBCTS_CANNOT_HOLD_LOCKS	

Comment

9 IS RESERVED

End of Comment

96	(60)	SIGNED	4	ATBCTS_SCHED_CANT_REGISTER	
100	(64)	SIGNED	4	ATBCTS_SYM_DEST_NAME_UNKNOWN	
104	(68)	SIGNED	4	ATBCTS_INVAL_LOCAL_LU	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
108	(6C)	SIGNED	4	ATBCTS_LU_NOT_RECEIVING	
112	(70)	SIGNED	4	ATBCTS_NOT_AUTH_TO_SERVE_TP	
116	(74)	SIGNED	4	ATBCTS_NOT_AUTH_TO_LOCAL_LU	
120	(78)	SIGNED	4	ATBCTS_APPC_SERVICE_FAILURE	
124	(7C)	SIGNED	4	ATBCTS_INVAL_ALLOC_QUEUE_TOKEN	
128	(80)	SIGNED	4	ATBCTS_INVAL_NOTIFY_TYPE	
132	(84)	SIGNED	4	ATBCTS_INVAL_TIMEOUT_VALUE	
136	(88)	SIGNED	4	ATBCTS_REQUEST_CANCELLED	
140	(8C)	SIGNED	4	ATBCTS_NO_ALLOC_TO_RECEIVE	
144	(90)	SIGNED	4	ATBCTS_INVAL_CONVERSATION_ID	
148	(94)	SIGNED	4	ATBCTS_INVAL_SENSE_CODE	
152	(98)	SIGNED	4	ATBCTS_NOT_FIRST_CONV_CALL	
156	(9C)	SIGNED	4	ATBCTS_NOT_INBOUND_CONV	
160	(A0)	SIGNED	4	ATBCTS_INVAL_EVENT_NOTIF_TYPE	
164	(A4)	SIGNED	4	ATBCTS_INVAL_EVENT_CODE	
168	(A8)	SIGNED	4	ATBCTS_NETID_DOES_NOT_MATCH	
172	(AC)	SIGNED	4	ATBCTS_INVAL_EVENT_CODE_QUAL	
176	(B0)	SIGNED	4	ATBCTS_NO_EVENT_AVAILABLE	
180	(B4)	SIGNED	4	ATBCTS_EVENT_NOTIFY_CANCELLED	
184	(B8)	SIGNED	4	ATBCTS_GET_EVENT_OUTSTANDING	
188	(BC)	SIGNED	4	ATBCTS_NOTIFY_NOT_SET	
192	(C0)	SIGNED	4	ATBCTS_INVAL_QUEUE_KEEP_TIME	
196	(C4)	SIGNED	4	ATBCTS_INVAL_ACCT_DATA_LENGTH	
200	(C8)	SIGNED	4	ATBCTS_UNREG_ALL_NO_REGISTERS	
204	(CC)	SIGNED	4	ATBCTS_INVAL_EVENT_GET_TYPE	
208	(D0)	SIGNED	4	ATBCTS_INVAL_RECEIVE_ALLC_TYPE	
212	(D4)	SIGNED	4	ATBCTS_CANNOT_DETERMINE_NETID	
216	(D8)	SIGNED	4	ATBCTS_CONV_INACCESSIBLE	
220	(DC)	SIGNED	4	ATBCTS_BUFFER_TOO_SMALL	
224	(E0)	SIGNED	4	ATBCTS_NO_ERROR_INFO	
228	(E4)	SIGNED	4	ATBCTS_INVAL_PARTNER_LU	
232	(E8)	SIGNED	4	ATBCTS_LUWID_ALREADY_ASSOCIATED	
236	(EC)	SIGNED	4	ATBCTS_SYNC_POINT_MANAGER_ERROR	

ATBCTASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATBCTS_ALREADY_REGISTERED	44	1	ATBCTS_INVAL_LOCAL_LU	A0	1A
ATBCTS_APPC_NOT_AVAILABLE	40	40	ATBCTS_INVAL_NOTIFY_TYPE	68	C
ATBCTS_APPC_SERVICE_FAILURE	78	10	ATBCTS_INVAL_PARTNER_LU	80	12
ATBCTS_BUF_ALLOC_QUEUE_MAX	0		ATBCTS_INVAL_QUEUE_KEEP_TIME	E4	2B
ATBCTS_BUF_ALLOC_QUEUE_MIN	0		ATBCTS_INVAL_RECEIVE_ALLC_TYPE	C0	22
ATBCTS_BUFFER_TOO_SMALL	DC	29	ATBCTS_INVAL_RECEIVE_ALLC_TYPE	D0	26
ATBCTS_CANNOT_DETERMINE_NETID	D4	27	ATBCTS_INVAL_SENSE_CODE	94	17
ATBCTS_CANNOT_HOLD_LOCKS	5C	8	ATBCTS_INVAL_TIMEOUT_VALUE	84	13
ATBCTS_CONV_INACCESSIBLE	D8	28	ATBCTS_INVAL_TP_NAME	4C	3
ATBCTS_EVENT_NOTIFY_CANCELLED	B4	1F	ATBCTS_INVAL_TP_NAME_LENGTH	50	4
ATBCTS_GET_EVENT_OUTSTANDING	B8	20	ATBCTS_LOCAL_LU_NOT_SPECIFIED	54	5
ATBCTS_INVAL_ACCT_DATA_LENGTH	C4	23	ATBCTS_LU_NOT_RECEIVING	6C	D
ATBCTS_INVAL_ALLOC_QUEUE_TOKEN	7C	11	ATBCTS_LUWID_ALREADY_ASSOCIATED	E8	2C
ATBCTS_INVAL_CONVERSATION_ID	90	16	ATBCTS_MAX_ALLOC_QUEUE_TOKEN	0	
ATBCTS_INVAL_EVENT_CODE	A4	1B	ATBCTS_MAX_QUEUE_SIZE	8	
ATBCTS_INVAL_EVENT_CODE_QUAL	AC	1D	ATBCTS_MIN_ALLOC_QUEUE_TOKEN	0	
ATBCTS_INVAL_EVENT_GET_TYPE	CC	25	ATBCTS_MIN_QUEUE_SIZE	8	
ATBCTS_INVAL_EVENT_NOTIF_TYPE			ATBCTS_NETID_DOES_NOT_MATCH	A8	1C

ATBCTASM Cross Reference

Name	Hex Offset	Hex Value
ATBCTS_NO_ALLOC_TO_RECEIVE	8C	15
ATBCTS_NO_ERROR_INFO	E0	2A
ATBCTS_NO_EVENT_AVAILABLE	B0	1E
ATBCTS_NOT_AUTH_TO_LOCAL_LU	74	F
ATBCTS_NOT_AUTH_TO_SERVE_TP	70	E
ATBCTS_NOT_FIRST_CONV_CALL	98	18
ATBCTS_NOT_INBOUND_CONV	9C	19
ATBCTS_NOTIFY_NOT_SET	BC	21
ATBCTS_OK	2C	0
ATBCTS_PARAMETER_ERROR	34	8
ATBCTS_PARAMETER_INACCESSIBLE	58	7
ATBCTS_REQUEST_CANCELLED	88	14
ATBCTS_REQUEST_UNSUCCESSFUL	38	10
ATBCTS_SCHED_CANT_REGISTER	60	A
ATBCTS_SERVICE_FAILURE	3C	20
ATBCTS_SYM_DEST_NAME_UNKNOWN	64	B
ATBCTS_SYNC_POINT_MANAGER_ERROR	EC	2D
ATBCTS_TP_NAME_NOT_SPECIFIED	48	2
ATBCTS_UNREG_ALL_NO_REGISTERS	C8	24
ATBCTS_WARNING	30	4

ATBDFTP Information

ATBDFTP Programming Interface information

Programming Interface information

ATBDFTP

End of Programming Interface information

ATBDFTP Heading Information • ATBDFTP Map

ATBDFTP Heading Information

Common Name: APPC SDFM Transaction Profile (TP) Key Mapping Macro and TP Mapping Macro
Macro ID: ATBDFTP
DSECT Name: TP_PROFILE_KEY TP_PROFILE
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: 'TPKEY ' and 'TPPROF '
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230
 Key: 1
 Residency: Above or Below the 16M Line
Size: Refer to Listing.
Created by: Anybody
Pointed to by: Determined by the creator with TPKEYBASE and
 TPPROFBASE
Serialization: None
Function: Mapping macro for the System Data File Manager TP Profile Key
 and TP Profile Header Information

ATBDFTP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TP_PROFILE_KEY	
0	(0)	DBL WORD	8	(0)	TP Profile Key Align on double word boundary
0	(0)	CHARACTER	8	TP_PROFILE_KEY_ID	Key Identifier
8	(8)	SIGNED	4	TP_PROFILE_KEY_LENGTH	Length of Key
12	(C)	SIGNED	4	TP_PROFILE_KEY_LEVEL	Level of TP key
16	(10)	CHARACTER	8	TP_PROFILE_KEY_GROUP_ID	Group ID
24	(18)	CHARACTER	8	TP_PROFILE_KEY_USER_ID	User ID
32	(20)	CHARACTER	64	TP_PROFILE_KEY_TP_NAME	TP Name
96	(60)	CHARACTER	12		Reserved
112	(70)	DBL WORD	8	(0)	Align on double word boundary

Comment

These constants are used with the TP_PROFILE_KEY

End of Comment

112	(70)	CHARACTER	8	TP_PROFILE_KEY_IDENTIFIER	
120	(78)	SIGNED	4	TP_PROFILE_KEY_SYSTEM_LEVEL	System
124	(7C)	SIGNED	4	TP_PROFILE_KEY_GROUP_LEVEL	Group
128	(80)	SIGNED	4	TP_PROFILE_KEY_USER_LEVEL	User

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TP_PROFILE	TP Profile
0	(0)	DBL WORD	8	(0)	Double word alignment
0	(0)	CHARACTER	256	TP_PROFILE_HEADER	
				(0)	TP Profile Header
0	(0)	SIGNED	4	TP_PROFILE_COMMON_FIELDS	
				(0)	
0	(0)	CHARACTER	8	TP_PROFILE_ID	TP Profile Identifier
8	(8)	SIGNED	4	TP_PROFILE_LENGTH	Length of TP Profile
12	(C)	BITSTRING	1	TP_PROFILE_FLAGS	TP Profile Flags
		1... ..		TP_PROFILE_DEACTIVATED	"X'80" TP Profile is deactivated
		.1... ..		NON_ASCH_CONVERTED	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
13	(D)	BITSTRING	3		"X'40" TP Profile is converted
16	(10)	CHARACTER	8	TP_PROFILE_TPSCHED_EXIT	TP Profile Flags Continued
24	(18)	CHARACTER	232		TP Profile Identifier
256	(100)	SIGNED	4	TP_PROFILE_ASCH_PROFILE (0)	

Comment

This is the Non-ASCH unconverted TP Profile mapping.
 It starts at the TP_Profile_ASCH_Profile area of the
 TP Profile.
 This mapping should be used when the Non_ASCH_Converted
 bit is "off".

End of Comment

256	(100)	SIGNED	4	NON_ASCH_HEADER (0)	
256	(100)	CHARACTER	8	NON_ASCH_COUNTER_FIELDS (0)	
256	(100)	SIGNED	4	NON_ASCH_NUM_OF_RECORDS	Number of records
260	(104)	SIGNED	4	NON_ASCH_LEN_OF_RECORDS	Length of each recordd
264	(108)	SIGNED	4	NON_ASCH_DATA (0)	

Actual Data...

Comment

This is the Non-ASCH converted TP Profile mapping.
 It starts at the TP_Profile_ASCH_Profile area of the
 TP Profile.
 This mapping should be used when the Non_ASCH_Converted
 bit is "on".

End of Comment

256	(100)	SIGNED	4	NON_ASCH_CONVERTED_HEADER (0)	
256	(100)	CHARACTER	20	NON_ASCH_CONVERTED_FIELDS (0)	
256	(100)	SIGNED	4	NON_ASCH_CONVERTED_LENGTH	Length of the converted profile
260	(104)	CHARACTER	16		Reserved
276	(114)	SIGNED	4	NON_ASCH_CONVERTED_DATA (0)	

Actual Data...

Comment

This constant is used with the TP_PROFILE

End of Comment

276	(114)	CHARACTER	8	TP_PROFILE_IDENTIFIER	
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ATBDFTP Cross Reference

ATBDFTP Cross Reference

Name	Hex Offset	Hex Value
NON_ASCH_CONVERTED	C	40
NON_ASCH_CONVERTED_DATA	114	
NON_ASCH_CONVERTED_FIELDS	100	
NON_ASCH_CONVERTED_HEADER	100	
NON_ASCH_CONVERTED_LENGTH	100	
NON_ASCH_COUNTER_FIELDS	100	
NON_ASCH_DATA	108	
NON_ASCH_HEADER	100	
NON_ASCH_LEN_OF_RECORDS	104	
NON_ASCH_NUM_OF_RECORDS	100	
TP_PROFILE	0	
TP_PROFILE_ASCH_PROFILE	100	
TP_PROFILE_COMMON_FIELDS	0	
TP_PROFILE_DEACTIVATED	C	80
TP_PROFILE_FLAGS	C	
TP_PROFILE_HEADER	0	
TP_PROFILE_ID	0	
TP_PROFILE_IDENTIFIER	114	E3D7D7D9
TP_PROFILE_KEY	0	
TP_PROFILE_KEY_GROUP_ID	10	
TP_PROFILE_KEY_GROUP_LEVEL	7C	1
TP_PROFILE_KEY_ID	0	
TP_PROFILE_KEY_IDENTIFIER	70	E3D7D2C5
TP_PROFILE_KEY_LENGTH	8	
TP_PROFILE_KEY_LEVEL	C	
TP_PROFILE_KEY_SYSTEM_LEVEL	78	0
TP_PROFILE_KEY_TP_NAME	20	
TP_PROFILE_KEY_USER_ID	18	
TP_PROFILE_KEY_USER_LEVEL	80	2
TP_PROFILE_LENGTH	8	
TP_PROFILE_TPSCHED_EXIT	10	

ATBDFTPE Information

ATBDFTPE Programming Interface information

Programming Interface information

ATBDFTPE

End of Programming Interface information

ATBDFTPE Heading Information • ATBDFTPE Map

ATBDFTPE Heading Information

Common Name: APPC SDFM TP Profile Conversion Exit
Macro ID: ATBDFTPE
DSECT Name: ATBDFTPE
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: ATBDFTPE
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230
 Key: 1
 Residency: Above or Below the 16M Line
Size: Refer to Listing of ATBSD0G module.
Created by: ATBSD0G
Pointed to by: Dynamically within ATBSD0G
Serialization: None
Function: Mapping macro for the System Data File Manager TP Profile Conversion Exit Parameters

ATBDFTPE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBDFTPE	SDFM TP Profile Conversion Exit Parameter List
0	(0)	DBL WORD	8	(0)	Align on double word boundary
0	(0)	CHARACTER	8	DFTPE_ID	Identifier
8	(8)	CHARACTER	2	DFTPE_VERSION	Version Number
10	(A)	SIGNED	2	DFTPE_LENGTH	Length of ATBDFTPE
12	(C)	CHARACTER	8	DFTPE_PARAMETERS	Parameters from IDENTIFY verb
20	(14)	SIGNED	4	DFTPE_TP_PROFILE_KEY_POINTER	Pointer to TP Profile Key
24	(18)	SIGNED	4	DFTPE_TP_PROFILE_POINTER	Pointer to TP Profile
28	(1C)	SIGNED	4	DFTPE_CONV_DATA_POINTER	Pointer to Converted Data
32	(20)	SIGNED	4	DFTPE_CONV_DATA_LENGTH	Length of Converted Data
36	(24)	SIGNED	4	DFTPE_FUNCTION_REQUESTED	Function requested of the Conversion Exit
40	(28)	CHARACTER	16		Reserved

Comment

These constants are used with the ATBDFTPE Mapping Macro

End of Comment

56	(38)	CHARACTER	8	ATBDFTPE_EYE_CATCHER	
64	(40)	CHARACTER	2	ATBDFTPE_CURRENT_VERSION	
68	(44)	SIGNED	4	DFTPE_CONVERT_TP	
72	(48)	SIGNED	4	DFTPE_OKAY	Converted and cached
76	(4C)	SIGNED	4	DFTPE_SYNTAX_ERROR	Conversion failed, not cached
80	(50)	SIGNED	4	DFTPE_SEVERE_ERROR	
84	(54)	SIGNED	4	DFTPE_NOT_CONVERTED	Not converted, unconverted TP Profile is cached

ATBDFTPE Cross Reference

Name	Hex Offset	Hex Value
ATBDFTPE	0	
ATBDFTPE_CURRENT_VERSION	40	F0F1
ATBDFTPE_EYE_CATCHER	38	C1E3C2C4
DFTPE_CONV_DATA_LENGTH	20	
DFTPE_CONV_DATA_POINTER	1C	
DFTPE_CONVERT_TP	44	1
DFTPE_FUNCTION_REQUESTED	24	
DFTPE_ID	0	
DFTPE_LENGTH	A	
DFTPE_NOT_CONVERTED	54	36
DFTPE_OKAY	48	0
DFTPE_PARAMETERS	C	
DFTPE_SEVERE_ERROR	50	24
DFTPE_SYNTAX_ERROR	4C	14
DFTPE_TP_PROFILE_KEY_POINTER	14	
DFTPE_TP_PROFILE_POINTER	18	
DFTPE_VERSION	8	

ATBEXCON Information

ATBEXCON Programming Interface Information

Programming Interface Information

ATBEXCON

End of Programming Interface Information

ATBEXCON Heading Information

Common Name: APPC Extract Conversation Information Control Block Mapping
Macro ID: ATBEXCON
DSECT Name: ATBEXCON
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: 1
 Residency: Above 16 Meg
 see Assembler listing
Size: see Assembler listing
Created by: Any caller of ATBTSEI
Pointed to by: Local pointer
Serialization: None
Function: The ATBEXCON is used to map the information returned in the buffer area passed by ATBEXAI when ATBEXAI is called with an Extract_Code of '0000'X.
 When ATBEXAI is called with Qualifier_Type of 0, information about the caller's conversations is returned. When ATBEXAI is called with a Qualifier_Type of 1, information about the conversations associated with a specified TPID is returned.
 Note:
 Caller's specifying a Qualifier_Type of 1 (in order to obtain information about conversations for some specific TPID) must be in supervisor state, or must have PSW key 0-7 when ATBEXAI is invoked.

ATBEXCON Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBEXCON	Extract Conversation Information Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	SIGNED	4	EXCON_TOTAL_CONV	Total number of conversations
4	(4)	SIGNED	4	EXCON_TOTAL_ALLOC_CONV	Total number of allocated conversations
8	(8)	SIGNED	4	EXCON_TOTAL_SENDS	Total number of Sends
12	(C)	CHARACTER	8	EXCON_TOTAL_SEND_AMT	Total amount of data sent, in bytes. Value is returned as a Long Floating Point Number in the form: 'eehhhhhhhhhhhh', where ee is the characteristic (00 <= ee <= 7F), and where hhhhhhhhhhhhh is the 14-digit hexadecimal fraction part.
20	(14)	SIGNED	4	EXCON_TOTAL_RECV	Total number of Receives
24	(18)	CHARACTER	8	EXCON_TOTAL_RECV_AMT	Total amount of data received, in bytes. Value is returned as a Long Floating Point Number in the form: 'eehhhhhhhhhhhh', where ee is the characteristic (00 <= ee <= 7F), and where hhhhhhhhhhhhh is the 14-digit hexadecimal fraction part.
32	(20)	SIGNED	4	EXCON_TOTAL_ACTIVE_CONV	Total number of active conversations
32	(20)	X'24'	0	ATBEXCON_LEN	"*-ATBEXCON" Length of ATBEXCON control block

ATBEXCON Cross Reference

Name	Hex Offset	Hex Value
ATBEXCON	0	
ATBEXCON_LEN	20	24
EXCON_TOTAL_ACTIVE_CONV	20	
EXCON_TOTAL_ALLOC_CONV	4	
EXCON_TOTAL_CONV	0	
EXCON_TOTAL_RECV	14	
EXCON_TOTAL_RECV_AMT	18	
EXCON_TOTAL_SEND_AMT	C	
EXCON_TOTAL_SENDS	8	

ATBEXCOS Information

ATBEXCOS Programming Interface information

Programming Interface information

ATBEXCOS

End of Programming Interface information

ATBEXCOS Heading Information • ATBEXCOS Map

ATBEXCOS Heading Information

Common Name: APPC Extract Specific Conversation Information Control Block Mapping
Macro ID: ATBEXCOS
DSECT Name: ATBEXCOS
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
 Residency: Determined by caller
Size: See Assembler listing
Created by: Any caller of ATBEXAI
Pointed to by: Local pointer
Serialization: None
Function: ATBEXCOS is used to map the information returned in the buffer area passed by ATBEXAI when ATBEXAI is called with an Extract_Code of '0001'X.

ATBEXCOS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBEXCOS	Extract Specific Conversation Information Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	CHARACTER	8	EXCOS_CONV_ID	Conversation ID
8	(8)	SIGNED	4	EXCOS_INOUT	Inbound/Outbound indicator: 0 -> outbound, 1 -> inbound
12	(C)	SIGNED	4	EXCOS_PLU_LOCATION	Partner LU location 1 -> remote, 2 -> local
16	(10)	SIGNED	4	EXCOS_CONV_KIND	How the conversation was processed 0 -> others, 1 -> served TP
20	(14)	CHARACTER	26	EXCOS_LUWID	Logical unit of work ID
46	(2E)	CHARACTER	8	EXCOS_CONV_CORRELATOR	Conversation Correlator
54	(36)	CHARACTER	10	EXCOS_CONV_USERID	Conversation userid: sent or received in the attach request (FMH-5) which created this conversation
64	(40)	CHARACTER	8	EXCOS_SCHED_NAME	Scheduler Name
72	(48)	SIGNED	4	EXCOS_TP_NAME_LENGTH	Length of TP Name sent or received in the attach request (FMH-5) which created this conversation
76	(4C)	CHARACTER	64	EXCOS_TP_NAME	Transaction Program Name sent or received in the attach request (FMH-5) which created this conversation
140	(8C)	SIGNED	4	EXCOS_LOCAL_TP_NAME_LENGTH	Local TP Name Length
144	(90)	CHARACTER	64	EXCOS_LOCAL_TP_NAME	Local TP Name
208	(D0)	CHARACTER	8	EXCOS_LU_NAME	Logical Unit Name
216	(D8)	CHARACTER	17	EXCOS_PLU_NAME	Fully qualified Partner LU name
233	(E9)	CHARACTER	3		Reserved
236	(EC)	CHARACTER	8	EXCOS_ARRIVAL_TIME	Date and time this ALLOCATE request was obtained from VTAM or from a local LU by APPC/MVS. This field contains the date and time in the format provided by the STORE CLOCK (STCK) assembler instruction. This field is set to zero for outbound requests.
244	(F4)	CHARACTER	8	EXCOS_CONV_AVAILABLE_TIME	Date and time this conversation was placed on the allocate queue. The content of this field has meaning only when Excov_Conv_Kind indicates that this is a served TP.
252	(FC)	CHARACTER	8	EXCOS_CONV_START_TIME	For outbound conversations this is the date and time the allocate was issued. For inbound conversations, if the TP is not served, this is the time the first verb was issued. For inbound, served TPs, this is the time RECEIVE_ALLOCATE was issued.
260	(104)	CHARACTER	8	EXCOS_END_TIME	Date and time this conversation was deallocated. This field contains the date and time in the format provided by the STORE CLOCK (STCK) assembler instruction.
268	(10C)	CHARACTER	8	EXCOS_MODE_NAME	Conversation mode name
276	(114)	SIGNED	4	EXCOS_SYNC_LEVEL	Conversation synchronization level

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
280	(118)	SIGNED	4	EXCOS_TOTAL_SENDS	Total number of Sends issued by the local transaction program on this conversation
284	(11C)	CHARACTER	8	EXCOS_TOTAL_SEND_AMT	Total amount of data sent, in bytes. Value is returned as a Long Floating Point Number in the form: 'eehhhhhhhhhhhh', where ee is the characteristic (00 <= ee <= 7F), and where hhhhhhhhhhhhh is the 14-digit hexadecimal fraction part.
292	(124)	SIGNED	4	EXCOS_TOTAL_RECEIVES	Total number of Receives
296	(128)	CHARACTER	8	EXCOS_TOTAL_RECEIVE_AMT	Total amount of data received, in bytes. Value is returned as a Long Floating Point Number in the form: 'eehhhhhhhhhhhh', where ee is the characteristic (00 <= ee <= 7F), and where hhhhhhhhhhhhh is the 14-digit hexadecimal fraction part.
304	(130)	SIGNED	4	EXCOS_TOTAL_CALLABLE_SERVICE	Total number of callable service requests issued by the local transaction program for this conversation
308	(134)	SIGNED	4	EXCOS_LAST_SERVICE_RETURN_CODE	Return code from last requested callable service
312	(138)	SIGNED	4	EXCOS_LAST_SERVICE_REASON_CODE	Reason code from last callable service requested on this conversation which returned product_specific_error
316	(13C)	SIGNED	4	EXCOS_CONVERSATION_STATE	Current State of Conversation
320	(140)	CHARACTER	8	EXCOS_LAST_SERVICE_START_TIME	Date and time of start of last requested service in STCK format
328	(148)	CHARACTER	8	EXCOS_LAST_SERVICE_END_TIME	Date and time of end of last requested service in STCK format
336	(150)	SIGNED	4	EXCOS_LENGTH_OF_USER_DATA	Length of ExcOs_User_Data field
340	(154)	CHARACTER	255	EXCOS_USER_DATA	User field - This field is set from user input provided via SET_CONVERSATION_ACCOUNTING_INFORMATION
595	(253)	CHARACTER	16	EXCOS_URID	Unit of Recovery Identifier for protected conversations
595	(253)	X'263'	0	ATBEXCOS_LEN	**"ATBEXCOS" Length of ATBEXCOS control block

ATBEXCOS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATBEXCOS	0		EXCOS_LOCAL_TP_NAME_LENGTH	8C	
ATBEXCOS_LEN	253	263	EXCOS_LU_NAME	D0	
EXCOS_ARRIVAL_TIME	EC		EXCOS_LUWID	14	
EXCOS_CONV_AVAILABLE_TIME	F4		EXCOS_MODE_NAME	10C	
EXCOS_CONV_CORRELATOR	2E		EXCOS_PLU_LOCATION	C	
EXCOS_CONV_ID	0		EXCOS_PLU_NAME	D8	
EXCOS_CONV_KIND	10		EXCOS_SCHED_NAME	40	
EXCOS_CONV_START_TIME	FC		EXCOS_SYNC_LEVEL	114	
EXCOS_CONV_USERID	36		EXCOS_TOTAL_CALLABLE_SERVICE	130	
EXCOS_CONVERSATION_STATE	13C		EXCOS_TOTAL_RECEIVE_AMT	128	
EXCOS_END_TIME	104		EXCOS_TOTAL_RECEIVES	124	
EXCOS_INOUT	8		EXCOS_TOTAL_SEND_AMT	11C	
EXCOS_LAST_SERVICE_END_TIME	148		EXCOS_TOTAL_SENDS	118	
EXCOS_LAST_SERVICE_REASON_CODE	138		EXCOS_TP_NAME	4C	
EXCOS_LAST_SERVICE_RETURN_CODE	134		EXCOS_TP_NAME_LENGTH	48	
EXCOS_LAST_SERVICE_START_TIME	140		EXCOS_URID	253	
EXCOS_LENGTH_OF_USER_DATA	150		EXCOS_USER_DATA	154	
EXCOS_LOCAL_TP_NAME	90				

ATBSECB Information

ATBSECB Programming Interface Information

Programming Interface Information

ATBSECB

End of Programming Interface Information

ATBSECB Heading Information • ATBSECB Map

ATBSECB Heading Information

Common Name: APPC Scheduler Extract Control Block
Macro ID: ATBSECB
DSECT Name: ATBSECB
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: 1
 Residency: Above 16 Meg
Size: See Assembler listing
Created by: Any caller of ATBTSEI
Pointed to by: Local pointer
Serialization: None
Function: The ATBSECB is used to map the information passed to the Scheduler Extract Exit. The first part of the ATBSECB is identical, regardless of the type of service extract request. The second part, beginning with the field 'Secb_var_data' contains variable types of information, the format of which is indicated by the 'Secb_service_indicator' field. Currently, 2 types of information may be passed in 'Secb_var_data', either information for a 'Get_Info' type request (which is mapped by the 'Atbsecb_var_data_getinfo' structure), or information for a 'Get_TPID' request (which is mapped by the 'Atbsecb_var_data_gettpid' structure).

ATBSECB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATBSECB	Scheduler Extract Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	CHARACTER	16	SECB_HDR (0)	Fixed length header portion of the Secb
0	(0)	SIGNED	4	SECB_SERVICE_INDICATOR	Type of Scheduler Extract Service requested: 0 - Get_Info request indicates that the Transaction Scheduler Extract Exit is invoked to extract Scheduler information. This code is always used when the information has been requested through the ATBEXAI exit. 1 - Get_TPID request indicates that the Transaction Scheduler Extract Exit is invoked to determine the TPID. This code is used when certain internal APPC routines invoke the APPC Scheduler Extract Exit directly.
4	(4)	SIGNED	4	SECB_RETURN_CODE	Return code from the Transaction Scheduler Extract Exit.
8	(8)	CHARACTER	8	SECB_USER_SUPPLIED_TOKEN	User token from the Scheduler_Extract_User_field on the "IDENTIFY".
8	(8)	X'10'	0	ATBSECB_HDRLEN	**-SECB_HDR" Length of ATBSECB non-variable part of control block
16	(10)	CHARACTER	1	SECB_VAR_DATA (0)	Variable data dependent on the type of call

Comment

The 'Atbsecb_var_data_getinfo' mapping is used to map the 'Secb_var_data' area when the Scheduler Extract Exit is being called for a Get_Info request. All calls to ATBEXAI for scheduler information result in the Scheduler Extract Exit being called for a Get_Info request, so this form of the ATBSECB is the only form used to invoke the extract exit from ATBEXAI. This area contains a copy of the parameters passed on the call to ATBEXAI.

End of Comment

16	(10)	SIGNED	4	ATBSECB_VAR_DATA_GETINFO (0)	Align on a fullword boundary
16	(10)	SIGNED	4	SECB_EXTRACT_INFOTYPE	Value of Extract_Code passed to Extract Service
20	(14)	SIGNED	4	SECB_EXTRACT_QUALTYPE	Value of Qualifier_type passed to Extract Service
24	(18)	CHARACTER	8	SECB_EXTRACT_QUALIFIER	Value of Qualifier_Value passed to Extract Service
32	(20)	SIGNED	4	SECB_BUFFER_LENGTH	Length of buffer passed to Extract Service. This field returns the length of the buffer area actually used to return the extracted information.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	SIGNED	4	SECB_ACCESS_TOKEN	ALET of buffer pointed to by 'Secb_buffer_address'
40	(28)	ADDRESS	4	SECB_BUFFER_ADDRESS	Address of buffer passed to Extract Service. The extracted information is returned in this buffer.
40	(28)	X'1C'	0	ATBSECB_GETINFO_LEN	**_ATBSECB_VAR_DATA_GETINFO" Length of the variable part of the SECB for a GETINFO request

Comment

The 'Atbsecb_var_data_getinfo' mapping is used to map the 'Secb_var_data' area when the Scheduler Extract Exit is being called for a Get_Info request. All calls to ATBEXAI for scheduler information result in the Scheduler Extract Exit being called for a Get_Info request, so this form of the ATBSECB is the only form used to invoke the extract exit from ATBEXAI. This area contains a copy of the parameters passed on the call to ATBEXAI.

End of Comment

16	(10)	SIGNED	4	ATBSECB_VAR_DATA_GETTPID (0)	Align on a fullword boundary
16	(10)	CHARACTER	8	SECB_EXTRACT_TPID	Area used to return TPID value
24	(18)	ADDRESS	4	SECB_ASCB_PTR	Specifies ASCB address of the address space in control at the time the service is requested (i.e. home address space of caller).
28	(1C)	ADDRESS	4	SECB_TCB_ADDRESS	Specifies address of TCB in control at the time of the service request. This value is 0 if the Extract Service was called in SRB mode.
28	(1C)	X'10'	0	ATBSECB_GETTPID_LEN	**_ATBSECB_VAR_DATA_GETTPID" Length of the variable part of the SECB for a GETTPID request

Comment

Constants which define the valid Secb_service_indicator request types.

End of Comment

28	(1C)	X'0'	0	ATBSECB_GET_INFO	"0" Constant used to define a Get_Info request to the TP Scheduler Extract Exit
28	(1C)	X'1'	0	ATBSECB_GET_TPID	"1" Constant used to define a Get_TPID request to the TP Scheduler Extract Exit

ATBSECB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATBSECB	0		SECB_EXTRACT_INFOTYPE	20	
ATBSECB_GET_INFO	1C	0	SECB_EXTRACT_QUALIFIER	10	
ATBSECB_GET_TPID	1C	1	SECB_EXTRACT_QUALTYPE	18	
ATBSECB_GETINFO_LEN	28	1C	SECB_EXTRACT_TPID	14	
ATBSECB_GETTPID_LEN	1C	10	SECB_HDR	10	
ATBSECB_HDRLEN			SECB_RETURN_CODE	0	
ATBSECB_VAR_DATA_GETINFO	8	10	SECB_SERVICE_INDICATOR	4	
ATBSECB_VAR_DATA_GETTPID	10		SECB_TCB_ADDRESS	0	
SECB_ACCESS_TOKEN	24		SECB_USER_SUPPLIED_TOKEN	1C	
SECB_ASCB_PTR	18		SECB_VAR_DATA	8	
SECB_BUFFER_ADDRESS	28			10	
SECB_BUFFER_LENGTH					

ATBSERV Information

ATBSERV Programming Interface Information

Programming Interface Information

ATBSERV

End of Programming Interface Information

ATBSERV Heading Information • ATBSERV Map

ATBSERV Heading Information

Common Name: Interface Declaration File for LU 6.2 Protocol Boundary Interfaces - Assembler
Macro ID: ATBSERV
DSECT Name: None
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Function: ATBSERV contains the Assembler language declarations for parameter values for the LU 6.2 Protocol Boundary Interface services

ATBSERV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	ATB_FW0	
4	(4)	SIGNED	4	ATB_FW1	
8	(8)	SIGNED	4	ATB_FW2	
12	(C)	SIGNED	4	ATB_FW3	
16	(10)	SIGNED	4	ATB_FW4	
20	(14)	SIGNED	4	ATB_FW5	
24	(18)	SIGNED	4	ATB_FW6	
28	(1C)	SIGNED	4	ATB_FW7	
32	(20)	SIGNED	4	ATB_FW8	
36	(24)	SIGNED	4	ATB_FW100	
40	(28)	SIGNED	4	ATB_FW101	
44	(2C)	SIGNED	4	ATB_FW102	

Comment

Conversation State Values

End of Comment

44	(2C)	X'8'	0	ATB_INITIALIZE_STATE	"ATB_FW2"
44	(2C)	X'C'	0	ATB_SEND_STATE	"ATB_FW3"
44	(2C)	X'10'	0	ATB_RECEIVE_STATE	"ATB_FW4"
44	(2C)	X'14'	0	ATB_SEND_PENDING_STATE	"ATB_FW5"
44	(2C)	X'18'	0	ATB_CONFIRM_STATE	"ATB_FW6"
44	(2C)	X'1C'	0	ATB_CONFIRM_SEND_STATE	"ATB_FW7"
44	(2C)	X'20'	0	ATB_CONFIRM_DEALLOCATE_STATE	"ATB_FW8"

Comment

Conversation Type values

End of Comment

44	(2C)	X'0'	0	ATB_BASIC_CONVERSATION	"ATB_FW0"
44	(2C)	X'4'	0	ATB_MAPPED_CONVERSATION	"ATB_FW1"

Comment

Data Received values

End of Comment

44	(2C)	X'0'	0	ATB_NO_DATA_RECEIVED	"ATB_FW0"
44	(2C)	X'4'	0	ATB_DATA_RECEIVED	"ATB_FW1"
44	(2C)	X'8'	0	ATB_COMPLETE_DATA_RECEIVED	"ATB_FW2"
44	(2C)	X'C'	0	ATB_INCOMPLETE_DATA_RECEIVED	"ATB_FW3"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Deallocate Type values					
End of Comment					
44	(2C)	X'0'	0	ATB_DEALLOCATE_SYNC_LEVEL	"ATB_FW0"
44	(2C)	X'4'	0	ATB_DEALLOCATE_FLUSH	"ATB_FW1"
44	(2C)	X'8'	0	ATB_DEALLOCATE_CONFIRM	"ATB_FW2"
44	(2C)	X'C'	0	ATB_DEALLOCATE_ABEND	"ATB_FW3"
Comment					
Error Direction values					
End of Comment					
44	(2C)	X'0'	0	ATB_RECEIVE_ERROR	"ATB_FW0"
44	(2C)	X'4'	0	ATB_SEND_ERROR	"ATB_FW1"
Comment					
Fill values					
End of Comment					
44	(2C)	X'0'	0	ATB_FILL_LL	"ATB_FW0"
44	(2C)	X'4'	0	ATB_FILL_BUFFER	"ATB_FW1"
Comment					
Locks values					
End of Comment					
44	(2C)	X'24'	0	ATB_LOCKS_SHORT	"ATB_FW100"
44	(2C)	X'28'	0	ATB_LOCKS_LONG	"ATB_FW101"
Comment					
Notify Type Values					
End of Comment					
44	(2C)	X'0'	0	ATB_NOTIFY_TYPE_NONE	"ATB_FW0"
44	(2C)	X'4'	0	ATB_NOTIFY_TYPE_ECB	"ATB_FW1"
Comment					
Prepare to Receive Type values					
End of Comment					
44	(2C)	X'0'	0	ATB_PREP_TO_RECEIVE_SYNC_LEVEL	"ATB_FW0"
44	(2C)	X'4'	0	ATB_PREP_TO_RECEIVE_FLUSH	"ATB_FW1"
44	(2C)	X'8'	0	ATB_PREP_TO_RECEIVE_CONFIRM	"ATB_FW2"
Comment					
Request to Send Received values					
End of Comment					
44	(2C)	X'0'	0	ATB_REQ_TO_SEND_NOT_RECEIVED	"ATB_FW0"

ATBSERV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
44	(2C)	X'4'	0	ATB_REQ_TO_SEND_RECEIVED	"ATB_FW1"
Comment					
Return Control values					
End of Comment					
44	(2C)	X'0'	0	ATB_WHEN_SESSION_ALLOCATED	"ATB_FW0"
44	(2C)	X'4'	0	ATB_IMMEDIATE	"ATB_FW1"
44	(2C)	X'24'	0	ATB_WHEN_CONWINNER_ALLOCATED	"ATB_FW100"
Comment					
Security Type values					
End of Comment					
44	(2C)	X'24'	0	ATB_SECURITY_NONE	"ATB_FW100"
44	(2C)	X'28'	0	ATB_SECURITY_SAME	"ATB_FW101"
44	(2C)	X'2C'	0	ATB_SECURITY_PROGRAM	"ATB_FW102"
Comment					
Send Type values					
End of Comment					
44	(2C)	X'0'	0	ATB_BUFFER_DATA	"ATB_FW0"
44	(2C)	X'4'	0	ATB_SEND_AND_FLUSH	"ATB_FW1"
44	(2C)	X'8'	0	ATB_SEND_AND_CONFIRM	"ATB_FW2"
44	(2C)	X'C'	0	ATB_SEND_AND_PREP_TO_RECEIVE	"ATB_FW3"
44	(2C)	X'10'	0	ATB_SEND_AND_DEALLOCATE	"ATB_FW4"
Comment					
Status Received values					
End of Comment					
44	(2C)	X'0'	0	ATB_NO_STATUS_RECEIVED	"ATB_FW0"
44	(2C)	X'4'	0	ATB_SEND_RECEIVED	"ATB_FW1"
44	(2C)	X'8'	0	ATB_CONFIRM_RECEIVED	"ATB_FW2"
44	(2C)	X'C'	0	ATB_CONFIRM_SEND_RECEIVED	"ATB_FW3"
44	(2C)	X'10'	0	ATB_CONFIRM_DEALLOC_RECEIVED	"ATB_FW4"
Comment					
Sync Level values					
End of Comment					
44	(2C)	X'0'	0	ATB_NONE	"ATB_FW0"
44	(2C)	X'4'	0	ATB_CONFIRM	"ATB_FW1"
Comment					
Return code values					
End of Comment					
48	(30)	SIGNED	4	ATB_OK	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
52	(34)	SIGNED	4	ATB_ALLOCATE_FAILURE_NO_RETRY	
56	(38)	SIGNED	4	ATB_ALLOCATE_FAILURE_RETRY	
60	(3C)	SIGNED	4	ATB_CONVERSATION_TYPE_MISMATCH	
64	(40)	SIGNED	4	ATB_PIP_NOT_SPECIFIED_CORRECTLY	
68	(44)	SIGNED	4	ATB_SECURITY_NOT_VALID	
72	(48)	SIGNED	4	ATB_SYNC_LVL_NOT_SUPPORTED_PGM	
76	(4C)	SIGNED	4	ATB_TPN_NOT_RECOGNIZED	
80	(50)	SIGNED	4	ATB_TP_NOT_AVAILABLE_NO_RETRY	
84	(54)	SIGNED	4	ATB_TP_NOT_AVAILABLE_RETRY	
88	(58)	SIGNED	4	ATB_DEALLOCATED_ABEND	
92	(5C)	SIGNED	4	ATB_DEALLOCATED_NORMAL	
96	(60)	SIGNED	4	ATB_PARAMETER_ERROR	
100	(64)	SIGNED	4	ATB_PRODUCT_SPECIFIC_ERROR	
104	(68)	SIGNED	4	ATB_PROGRAM_ERROR_NO_TRUNC	
108	(6C)	SIGNED	4	ATB_PROGRAM_ERROR_PURGING	
112	(70)	SIGNED	4	ATB_PROGRAM_ERROR_TRUNC	
116	(74)	SIGNED	4	ATB_PROGRAM_PARAMETER_CHECK	
120	(78)	SIGNED	4	ATB_PROGRAM_STATE_CHECK	
124	(7C)	SIGNED	4	ATB_RESOURCE_FAILURE_NO_RETRY	
128	(80)	SIGNED	4	ATB_RESOURCE_FAILURE_RETRY	
132	(84)	SIGNED	4	ATB_UNSUCCESSFUL	
136	(88)	SIGNED	4	ATB_DEALLOCATED_ABEND_SVC	
140	(8C)	SIGNED	4	ATB_DEALLOCATED_ABEND_TIMER	
144	(90)	SIGNED	4	ATB_SVC_ERROR_NO_TRUNC	
148	(94)	SIGNED	4	ATB_SVC_ERROR_PURGING	
152	(98)	SIGNED	4	ATB_SVC_ERROR_TRUNC	

ATBSERV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATB_ALLOCATE_FAILURE_NO_RETRY	34	1	ATB_FILL_BUFFER	5C	12
ATB_ALLOCATE_FAILURE_RETRY	38	2	ATB_FILL_LL	2C	4
ATB_BASIC_CONVERSATION	2C	0	ATB_FW0	0	0
ATB_BUFFER_DATA	2C	0	ATB_FW1	4	1
ATB_COMPLETE_DATA_RECEIVED	2C	8	ATB_FW100	24	64
ATB_CONFIRM	2C	4	ATB_FW101	28	65
ATB_CONFIRM_DEALLOC_RECEIVED	2C	10	ATB_FW102	2C	66
ATB_CONFIRM_DEALLOCATE_STATE	2C	20	ATB_FW2	8	2
ATB_CONFIRM_RECEIVED	2C	8	ATB_FW3	C	3
ATB_CONFIRM_SEND_RECEIVED	2C	C	ATB_FW4	10	4
ATB_CONFIRM_SEND_STATE	2C	1C	ATB_FW5	14	5
ATB_CONFIRM_STATE	2C	18	ATB_FW6	18	6
ATB_CONVERSATION_TYPE_MISMATCH	3C	3	ATB_FW7	1C	7
ATB_DATA_RECEIVED	2C	4	ATB_FW8	20	8
ATB_DEALLOCATE_ABEND	2C	C	ATB_IMMEDIATE	2C	4
ATB_DEALLOCATE_CONFIRM	2C	8	ATB_INCOMPLETE_DATA_RECEIVED	2C	C
ATB_DEALLOCATE_FLUSH	2C	4	ATB_INITIALIZE_STATE	2C	8
ATB_DEALLOCATE_SYNC_LEVEL	2C	0	ATB_LOCKS_LONG	2C	28
ATB_DEALLOCATED_ABEND	58	11	ATB_LOCKS_SHORT	2C	24
ATB_DEALLOCATED_ABEND_SVC	88	1E	ATB_MAPPED_CONVERSATION	2C	4
ATB_DEALLOCATED_ABEND_TIMER	8C	1F	ATB_NO_DATA_RECEIVED	2C	0
ATB_DEALLOCATED_NORMAL			ATB_NO_STATUS_RECEIVED	2C	0
			ATB_NONE	2C	0
			ATB_NOTIFY_TYPE_ECB	2C	4
			ATB_NOTIFY_TYPE_NONE	2C	0
			ATB_OK	30	0
			ATB_PARAMETER_ERROR	60	13
			ATB_PIP_NOT_SPECIFIED_CORRECTLY	40	5

ATBSERV Cross Reference

Name	Hex Offset	Hex Value
ATB_PREP_TO_RECEIVE_CONFIRM	2C	8
ATB_PREP_TO_RECEIVE_FLUSH	2C	4
ATB_PREP_TO_RECEIVE_SYNC_LEVEL	2C	0
ATB_PRODUCT_SPECIFIC_ERROR	64	14
ATB_PROGRAM_ERROR_NO_TRUNC	68	15
ATB_PROGRAM_ERROR_PURGING	6C	16
ATB_PROGRAM_ERROR_TRUNC	70	17
ATB_PROGRAM_PARAMETER_CHECK	74	18
ATB_PROGRAM_STATE_CHECK	78	19
ATB_RECEIVE_ERROR	2C	0
ATB_RECEIVE_STATE	2C	10
ATB_REQ_TO_SEND_NOT_RECEIVED	2C	0
ATB_REQ_TO_SEND_RECEIVED	2C	4
ATB_RESOURCE_FAILURE_NO_RETRY	7C	1A
ATB_RESOURCE_FAILURE_RETRY	80	1B
ATB_SECURITY_NONE	2C	24
ATB_SECURITY_NOT_VALID	44	6
ATB_SECURITY_PROGRAM	2C	2C
ATB_SECURITY_SAME	2C	28
ATB_SEND_AND_CONFIRM	2C	8
ATB_SEND_AND_DEALLOCATE	2C	10
ATB_SEND_AND_FLUSH	2C	4
ATB_SEND_AND_PREP_TO_RECEIVE	2C	C
ATB_SEND_ERROR	2C	4
ATB_SEND_PENDING_STATE	2C	14
ATB_SEND_RECEIVED	2C	4
ATB_SEND_STATE	2C	C
ATB_SVC_ERROR_NO_TRUNC	90	20
ATB_SVC_ERROR_PURGING	94	21
ATB_SVC_ERROR_TRUNC	98	22
ATB_SYNC_LVL_NOT_SUPPORTED_PGM	48	8
ATB_TP_NOT_AVAILABLE_NO_RETRY	50	A
ATB_TP_NOT_AVAILABLE_RETRY	54	B
ATB_TPN_NOT_RECOGNIZED	4C	9
ATB_UNSUCCESSFUL	84	1C
ATB_WHEN_CONWINNER_ALLOCATED	2C	24
ATB_WHEN_SESSION_ALLOCATED	2C	0

ATBXCFMS Information

ATBXCFMS Programming Interface information

_____ Programming Interface information _____

ATBXCFMS

The following field is **NOT** programming interface information:

- XCFMS_ATTACH_EXIT_DATA

_____ End of Programming Interface information _____

ATBXCFMS Heading Information • ATBXCFMS Map

ATBXCFMS Heading Information

Common Name: APPC/XCF Message mappings
Macro ID: ATBXCFMS
DSECT Name: XCFMS_SHORT_MESSAGE_HEADER XCFMS_INBOUND_FMH5 XCFMS_LUM_STATUS_MESSAGE
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Storage Attributes: Subpool: User Defined
 Key: Any
 Residency: Any
Size: See Assembler listing
Created by: N/A
Pointed to by: User Defined
Serialization: None
Function: This mapping macro contains a mapping of each APPC/XCF message in APPC. It also contains the constants for the message types for the APPC/XCF messages.
 When a transaction scheduler accepts a message longer than the 32 byte initial message, the buffer that is used to receive the message must be obtained in the PSW key in which the transaction scheduler joined the APPC Group in.

ATBXCFMS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XCFMS_SHORT_MESSAGE_HEADER	
0	(0)	SIGNED	4	(0)	
0	(0)	SIGNED	4	XCFMS_MESSAGE_TYPE	
4	(4)	CHARACTER	28	XCFMS_INFORMATION	
					another mapping will be mapped over this field. it will be specific to the type of message
4	(4)	X'20'	0	XCFMS_HEADER_LENGTH	
					**-XCFMS_SHORT_MESSAGE_HEADER" Length of short message

Comment

APPC STATUS MESSAGE

This mapping will be for the APPC status message. This mapping will be defined right on top of the XCFMS_INFORMATION field. Those using this message need only to refer to the fields directly.

The message types are also defined here. They are:

APPC initialization message -> '00001000'X
 APPC termination/norestart -> '00001001'X
 APPC termination/restart -> '00001002'X

End of Comment

4	(4)	SIGNED	4	XCFMS_APPC_STATUS (0)	
4	(4)	CHARACTER	4	XCFMS_APPC_VERSION	The level of the APPC component active on the system
8	(8)	CHARACTER	8	XCFMS_APPC_TIME_STAMP	The time stamp, in TOD format, of the time APPC completed initialization or completed termination
16	(10)	CHARACTER	16	XCFMS_APPC_RESERVE	Reserved
32	(20)	CHARACTER	4	XCFMS_CURRENT_APPC_VERSION	
32	(20)	X'1000'	0	XCFMS_APPC_INIT	"4096"
32	(20)	X'1001'	0	XCFMS_APPC_NORESTART	"4097"
32	(20)	X'1002'	0	XCFMS_APPC_RESTART	"4098"

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

Comment

LU ACTIVATION/DEACTIVATION MESSAGE
 This mapping will be for the LU status message. This mapping will be defined right on top of the XCFMS_INFORMATION field. Those using this message need only to refer to these fields directly.
 The message types are also defined here. They are:
 LU activation -> '00002000'X
 LU deactivation -> '00002001'X

End of Comment					
4	(4)	SIGNED	4	XCFMS_LUM_STATUS (0)	
4	(4)	BITSTRING	4	XCFMS_LU_FLAGS (0)	Flags indicating special features of the LU.
4	(4)	BITSTRING 1... ..	1	XCFMS_BASE_LU	"X'80" BIT MEANING 0 The LU was specified as the BASE LU for the scheduler
		...1.		XCFMS_NQN_CAPABLE	"X'20" BIT MEANING 2 The LU is capable of supporting network- qualified function.
5	(5)	BITSTRING	3		Reserved
8	(8)	CHARACTER	8	XCFMS_LU_TIME_STAMP	The time stamp, in TOD format, of the time the LU was activated or deactivated
16	(10)	CHARACTER	8	XCFMS_LU_NAME	The local LU name described by the message (it is not fully qualified)
24	(18)	CHARACTER	8	XCFMS_TRANS_SCHED_NAME	The name of the Transaction Scheduler assigned to the LU name in the APPCPMxx parmlib member

Comment

Message type constants

End of Comment					
24	(18)	X'2000'	0	XCFMS_LU_ACTIVE	"8192"
24	(18)	X'2001'	0	XCFMS_LU_NOACTIVE	"8193"

Comment

ALLOCATE TP REQUEST MESSAGE HEADER
 This mapping will be for the Allocate TP Request Message header. This message will be accompanied by a longer message representing an Allocate TP request. The TPID in this header will represent the Transaction Program that this allocate request represents.
 This mapping will be defined right on top of the XCFMS_INFORMATION field. Those using this message need only to refer to these fields directly.
 The message types are also defined here. They are:
 ATTACH TP request -> '00000001'X

End of Comment					
4	(4)	SIGNED	4	XCFMS_ATTACH_HEADER (0)	
4	(4)	CHARACTER	8	XCFMS_ATTACH_TPID	The Transaction Program ID which uniquely identifies the TP created allocate TP request
12	(C)	ADDRESS	4	XCFMS_ATTACH_EXIT_DATA	Exit Data For this Attach Request, used for OpenEdition MVS Allocate_Conversation Exit
16	(10)	CHARACTER	8	XCFMS_APPC_NOTIFYEXIT_DATA	Control information used by APPC to communicate with its XCF Notification exit
24	(18)	CHARACTER	8	XCFMS_ATTACH_RESERVED	RESERVED space

ATBXCFMS Map

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment							
Message type constants							
End of Comment							
24	(18)			X'1'	0	XCFMS_INBOUND_ATTACH	"1"

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)			STRUCTURE	0	XCFMS_LUM_STATUS_MESSAGE	
Comment							
DS 0F							
End of Comment							
0	(0)			SIGNED	4	XCFMS_LU_MSG_TYPE	LU message type (same as the XCFMS_MESSAGE_TYPE) '00002000'X -> LU activate '00002001'X -> LU deactivate
4	(4)			CHARACTER	8	XCFMS_LU_USERVAR	The user variable supplied in the APPCPMxx parmlib member
12	(C)			CHARACTER	8	XCFMS_ALT_LU	The ALT_LU value supplied in the APPCPMxx parmlib member
20	(14)			CHARACTER	8	XCFMS_GENERIC_RESOURCE	The generic resource name used for the LU. This value is supplied using the GRNAME keyword on the LUADD statement. (will be zeroes if GRNAME not used)
28	(1C)			CHARACTER	16	XCFMS_XRF_MSG_RESERVED	Reserved space

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)			STRUCTURE	0	XCFMS_INBOUND_FMH5	
0	(0)			SIGNED	4	(0)	Align on a word boundary
0	(0)			SIGNED	4	XCFMS_ATTACH_MSG	Message type '00000001'X -> allocate TP request
4	(4)			BITSTRING	4	XCFMS_ATTACH_FLAGS	FMH-5 Attach flags
4	(4)			BITSTRING 1...	1	XCFMS_LOCALLU_NQN_CAPABLE	"X'80" Indicates that the local lu is NQN Capable
5	(5)			BITSTRING	3		
8	(8)			CHARACTER	8	XCFMS_ATTACH_TIME_STAMP	The timestamp, in TOD clock format, of the time the allocate TP request entered the system
16	(10)			CHARACTER	8	XCFMS_LOCAL_LU	Name of the Local LU to which the attach request was directed.
24	(18)			CHARACTER	8	XCFMS_TP_ID	The Transaction Program ID which uniquely identifies the TP created by the allocate TP request
32	(20)			CHARACTER	8	XCFMS_CONV_ID	The Conversation_ID is a token that uniquely identifies a conversation to MVS. This token is the resource identifier of the conversation.
40	(28)			CHARACTER	8	XCFMS_MODE_NAME	The mode name designating the network properties for the session which was allocated for the conversation.
48	(30)			CHARACTER	17	XCFMS_PARTNER_LU	The fully-qualified name of the partner LU (i.e. the LU where the allocate request)
65	(41)			CHARACTER	1		Reserved - padding
66	(42)			SIGNED	2	XCFMS_CONV_CORR_LENGTH	The length of the Conversation Correlator located by the Conversation Correlator Offset.
68	(44)			CHARACTER	26	XCFMS_LUWID	The Logical Unit of Work ID is used to identify the most recent sync point and for accounting purposes. If an LUW_Identifier was not present in the allocate request this field will be zero.
94	(5E)			SIGNED	2	XCFMS_CONV_CORR_OFFSET	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
96	(60)	SIGNED	2	XCFMS_SECTOKN_OFFSET	The offset into the message area where the Conversation Correlator is located. This field is zero if the Conversation Correlator is not available on FMH-5 request.
98	(62)	SIGNED	2	XCFMS_SECTOKN_LENGTH	The offset into the message area of the security token which identifies the security environment created for the user by RACF.
100	(64)	SIGNED	2	XCFMS_PROFILE_OFFSET	The length of the security token located by the Security_token_offset.
102	(66)	SIGNED	2	XCFMS_PROFILE_LENGTH	The offset into the message area where the TP_Profile is located. This field is 0 if the TP_Profile was optional and was not found.
104	(68)	SIGNED	2	XCFMS_ENVR_OFFSET	The length of the TP_Profile This field is 0 if the TP_Profile was optional and was not found.
106	(6A)	SIGNED	2	XCFMS_ENVR_LENGTH	The offset into the message area where the ENVR Object is located. This field is 0 if the level of RACF required to support this is not present.
108	(6C)	CHARACTER	108	XCFMS_PROFILE_KEY	The length of the ENVR Object. This field is 0 if the level of RACF required to support this is not present.
216	(D8)	SIGNED	2	XCFMS_CONV_TYPE	The TP_Profile key used to search the TP_Profile data set for a TP_Profile.
218	(DA)	SIGNED	2	XCFMS_CONV_SYNC_LEVEL	The type of conversation for this TP.
220	(DC)	CHARACTER	16	XCFMS_CONTEXT_TOKEN	The sync level associated with this TP.
236	(EC)	SIGNED	4	XCFMS_END (0)	The context token representing the unit of work for the TP End of static message section.

Comment

The Attach Message conversation type constants.

End of Comment

236	(EC)	SIGNED	2	XCFMS_BASIC	Basic conversation
238	(EE)	SIGNED	2	XCFMS_MAPPED	Mapped conversation

Comment

The Attach Message conversation sync level constants.

End of Comment

240	(F0)	SIGNED	2	XCFMS_NONE	Sync Level NONE
242	(F2)	SIGNED	2	XCFMS_CONFIRM	Sync Level CONFIRM
244	(F4)	SIGNED	2	XCFMS_SYNCPT	Sync Level SYNCPT

ATBXCFS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
XCFMS_ALT_LU	C		XCFMS_ATTACH_HEADER		
XCFMS_APPC_INIT				4	
	20	1000	XCFMS_ATTACH_MSG		
XCFMS_APPC_NORESTART				0	
	20	1001	XCFMS_ATTACH_RESERVED		
XCFMS_APPC_NOTIFYEXIT_DATA				18	
	10		XCFMS_ATTACH_TIME_STAMP		
XCFMS_APPC_RESERVE				8	
	10		XCFMS_ATTACH_TPID		
XCFMS_APPC_RESTART				4	
	20	1002	XCFMS_BASE_LU		
XCFMS_APPC_STATUS				4	80
	4		XCFMS_BASIC	EC	0
XCFMS_APPC_TIME_STAMP			XCFMS_CONFIRM		
	8			F2	1
XCFMS_APPC_VERSION			XCFMS_CONTEXT_TOKEN		
	4			DC	
XCFMS_ATTACH_EXIT_DATA			XCFMS_CONV_CORR_LENGTH		
	C			42	
XCFMS_ATTACH_FLAGS			XCFMS_CONV_CORR_OFFSET		
	4			5E	

ATBXCFS Cross Reference

Name	Hex Offset	Hex Value
XCFMS_CONV_ID	20	
XCFMS_CONV_SYNC_LEVEL	DA	
XCFMS_CONV_TYPE	D8	
XCFMS_CURRENT_APPC_VERSION	20	F0F0F0F1
XCFMS_END	EC	
XCFMS_ENVR_LENGTH	6A	
XCFMS_ENVR_OFFSET	68	
XCFMS_GENERIC_RESOURCE	14	
XCFMS_HEADER_LENGTH	4	20
XCFMS_INBOUND_ATTACH	18	1
XCFMS_INBOUND_FMH5	0	
XCFMS_INFORMATION	4	
XCFMS_LOCAL_LU	10	
XCFMS_LOCALLU_NQN_CAPABLE	4	80
XCFMS_LU_ACTIVE	18	2000
XCFMS_LU_FLAGS	4	
XCFMS_LU_MSG_TYPE	0	
XCFMS_LU_NAME	10	
XCFMS_LU_NOACTIVE	18	2001
XCFMS_LU_TIME_STAMP	8	
XCFMS_LU_USERVAR	4	
XCFMS_LUM_STATUS	4	
XCFMS_LUM_STATUS_MESSAGE	0	
XCFMS_LUWID	44	
XCFMS_MAPPED	EE	1
XCFMS_MESSAGE_TYPE	0	
XCFMS_MODE_NAME	28	
XCFMS_NONE	F0	0
XCFMS_NQN_CAPABLE	4	20
XCFMS_PARTNER_LU	30	
XCFMS_PROFILE_KEY	6C	
XCFMS_PROFILE_LENGTH	66	
XCFMS_PROFILE_OFFSET	64	
XCFMS_SECTOKN_LENGTH	62	
XCFMS_SECTOKN_OFFSET	60	
XCFMS_SHORT_MESSAGE_HEADER	0	
XCFMS_SYNCPT	F4	2
XCFMS_TP_ID	18	
XCFMS_TRANS_SCHED_NAME	18	
XCFMS_XRF_MSG_RESERVED	1C	

ATRFZQRY Information

ATRFZQRY Programming Interface information

Programming Interface information

ATRFZQRY

End of Programming Interface information

ATRFZQRY Heading Information • ATRFZQRY Map

ATRFZQRY Heading Information

Common Name: RRS ATRQUERY Mappings and Constants
Macro ID: ATRFZQRY
DSECT Name: ATRFZRM, ATRFZUR, ATRFZURI ATRFZST
Owning Component: Resource Recovery Services (SCRRES)
Eye-Catcher ID: N/A
 Offset: n/a
 Length: n/a
Storage Attributes: Subpool: Determined by caller of ATRQUERY macro
 Key: Determined by caller of ATRQUERY macro
 Residency: Determined by caller of ATRQUERY macro
Size: ATRFZRM (80 bytes)
 ATRFZUR (184 bytes)
 ATRFZURI (120 bytes)
 ATRFZST (48 bytes)
Created by: Callers of ATRQUERY macro
Pointed to by: AREAADDR parameter on ATRQUERY macro
Serialization: N/A
Function: This macro contains constants and declares for the ATRQUERY executable macro

ATRFZQRY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZRM	
0	(0)	ADDRESS	4	ATRFZRMNEXT	Address/offset of the next ATRFZRM block or zero
4	(4)	BITSTRING	2	ATRFZRMFLAGS	Indicators
6	(6)	SIGNED	2	ATRFZRMVERSION	Version number
8	(8)	CHARACTER	32	ATRFZRMNAME	Resource manager name
40	(28)	CHARACTER	16	ATRFZRMRTOKEN	Resource manager token
56	(38)	SIGNED	4	ATRFZRMSTATE	Resource managers state
60	(3C)	ADDRESS	4	ATRFZRMLOGPTR	Address/offset of the system/logging group information
64	(40)	ADDRESS	4	ATRFZRMETADATALEN	Length of the RM Meta Data information
68	(44)	ADDRESS	4	ATRFZRMETATALGPTR	Address/offset of the RM Meta Data information
72	(48)	CHARACTER	8	ATRFZRMJOBNAME	Resource manager Job name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZWM	
0	(0)	ADDRESS	4	ATRFZWMNEXT	Address/offset of the next ATRFZWM block or zero
4	(4)	BITSTRING	2	ATRFZWMFLAGS	Indicators
6	(6)	SIGNED	2	ATRFZWMVERSION	Version number
8	(8)	CHARACTER	32	ATRFZWMNAME	Resource manager name
40	(28)	ADDRESS	4	ATRFZWMLOGPTR	Address/offset of the system/logging group information

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZUR	
0	(0)	ADDRESS	4	ATRFZURNEXT	Address/offset of the next ATRFZUR block or zero
4	(4)	BITSTRING	2	ATRFZURFLAGS	Indicators
4	(4)	BITSTRING	0	ATRFZURRESTARTLOG	"X'8000" UR is only on the restart log
4	(4)	BITSTRING	0	ATRFZURDAMAGED	"X'4000" UR is damaged
4	(4)	BITSTRING	0	ATRFZURHEURMIXED	"X'2000" Heuristic mixed condition
4	(4)	BITSTRING	0	ATRFZURDEFERRED	"X'1000" UR is Deferred
4	(4)	BITSTRING	0	ATRFZURMIXEDSTATES	"X'0800" UR contains interests that are in mixed states

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	BITSTRING	0	ATRFZURCFAMILY	"X'0400" UR is part of a cascaded UR family
4	(4)	BITSTRING	0	ATRFZURCASCADED	"X'0200" UR is a child UR in a cascaded UR family
4	(4)	BITSTRING	0	ATRFZURFAMILYINCLUDE	"X'0100" UR was included only because it is part of a cascaded UR family
		1...		ATRFZURMODELOCAL	"X'0080" UR transaction mode is local
		.1..		ATRFZURMODEGLOBAL	"X'0040" UR transaction mode is Global UR transaction mode is hybrid when MODELOCAL and MODEGLOBAL are both not set.
		..1.		ATRFZURSYPLEXCASCADED	"X'0020" UR is part of sysplex cascade
		...1		ATRFZURMAINLOG	"X'0010" UR is from Main log
		.... 1...		ATRFZURDELAYEDLOG	"X'0008" UR is from Delayed log
		.... .1..		ATRFZURDONOTDISPLAY	"X'0004" UR is a duplicate, Do not use it
		.... ..1.		ATRFZURWAITAPPLCOMPLETE	"X'0002" WAIT for Appl Complete Set
		.... ...1		ATRFZURFLAGS1ACTIVE	"X'0001" Flags1 Field In Use
6	(6)	SIGNED	2	ATRFZURVERSION	UR version number
8	(8)	CHARACTER	16	ATRFZURURID	UR identifier
24	(18)	SIGNED	4	ATRFZURURSTATE	UR state
28	(1C)	SIGNED	4	ATRFZURURTYPE	UR type
32	(20)	CHARACTER	8	ATRFZURCRTIME	UR create time, in TOD format
40	(28)	SIGNED	2	ATRFZURASID	ASID that created the UR
42	(2A)	BITSTRING	2	ATRFZURFLAGS1	Indicators
42	(2A)	BITSTRING	0	ATRFZURWAITSUBURS	"X'8000" Coord UR is WAITING for SUB URs
42	(2A)	BITSTRING	0	ATRFZURWAITEXITS	"X'4000" UR WAITing for SyncPoint Exits
44	(2C)	SIGNED	4	ATRFZURPROTOCOL	UR protocol
48	(30)	SIGNED	4	ATRFZURLUWIDLEN	LUWID length
52	(34)	ADDRESS	4	ATRFZURLUWIDPTR	Address/offset of LUWID
56	(38)	SIGNED	4	ATRFZUREIDLEN	EID length
60	(3C)	ADDRESS	4	ATRFZUREIDPTR	Address/offset of EID
64	(40)	SIGNED	4	ATRFZURURICOUNT	Number of ATRFZURI blocks
68	(44)	ADDRESS	4	ATRFZURURIADDR	Address/offset of the first ATRFZURI block
72	(48)	BITSTRING	8	ATRFZURURFUNCMAP	UR function map
80	(50)	SIGNED	4	ATRFZURXIDLEN	XID length
84	(54)	ADDRESS	4	ATRFZURXIDPTR	Address/offset of XID
88	(58)	ADDRESS	4	ATRFZURTSTPTR	Address/offset of ATRFZTST array
92	(5C)	CHARACTER	32	ATRFZURWMNAME	Work Manager name
124	(7C)	ADDRESS	4	ATRFZURLGPTR	Addr/offset of system/logging group info
128	(80)	CHARACTER	16	ATRFZURPARENTURID	UR ID of the parent of this UR
144	(90)	ADDRESS	4	ATRFZURCFMPTR	Addr/offset of ATRFZCFM array, zero if ATRFZURCFAMILY is 0
148	(94)	CHARACTER	32	ATRFZURSURID	Sysplex UR ID
180	(B4)	SIGNED	4	ATRFZURELEMENT_LEN	Total length of the returned info including the UR and URi info as well as the pdata for each URi

ATRFZQRY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZURI	
0	(0)	ADDRESS	4	ATRFZURINEXT	Address/offset of the next ATRFZURI block or zero
4	(4)	BITSTRING	2	ATRFZURIFLAGS	Indicators
		1...		ATRFZURIRSTRTREQ	"X'80" URI represents an interest of an RM that is required to restart with RRS
		.1..		ATRFZURIDEFERRED	"X'40" URI represents an interest that has been deferred
6	(6)	SIGNED	2	ATRFZURIVERSION	URI version number
8	(8)	CHARACTER	16	ATRFZURITOKEN	URI token
24	(18)	CHARACTER	32	ATRFZURIRMNAME	Resource manager name
56	(38)	SIGNED	4	ATRFZURIINTTYPE	URI Interest type
60	(3C)	SIGNED	4	ATRFZURIPROTOCOL	URI Protocol
64	(40)	SIGNED	4	ATRFZURIROLE	URI Role
68	(44)	SIGNED	4	ATRFZURISTATECHECK_RC	State Check exit return code
72	(48)	SIGNED	4	ATRFZURIPREPARE_RC	InPrepare exit return code
76	(4C)	SIGNED	4	ATRFZURICOMMIT_RC	InCommit exit return code
80	(50)	SIGNED	4	ATRFZURIBACKOUT_RC	InBackout exit return code
84	(54)	SIGNED	4	ATRFZURIEND_RC	InEnd exit return code
88	(58)	SIGNED	4	ATRFZURICOMPLETION_RC	Completion exit return code
92	(5C)	SIGNED	4	ATRFZURIONLYAGENT_RC	Only Agent exit return code
96	(60)	SIGNED	4	ATRFZURIDISTSYNCPPOINT_RC	Distributed Syncpoint exit return code
100	(64)	SIGNED	4	ATRFZURIEXITFAILED_RC	Exit Failed exit return code
104	(68)	ADDRESS	4	ATRFZURITSTPTR	Address/offset of ATRFZTST array
108	(6C)	SIGNED	4	ATRFZURISTATE	URI State
112	(70)	SIGNED	4	ATRFZURIPIDLEN	PID length
116	(74)	ADDRESS	4	ATRFZURIPIDPTR	Address/offset of PID data
120	(78)	SIGNED	4	ATRFZURIPREPARE_RC	Pre-Prepare exit return code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZTST	
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING	2	ATRFZTSTFLAGS	Indicators
2	(2)	SIGNED	2	ATRFZTSTVERSION	TST Version Number
4	(4)	SIGNED	4	ATRFZTSTTYPE	Type of Timestamp Table 1=UR Timestamp Table 2=URI Timestamp Table
8	(8)	CHARACTER	8	ATRFZTSTSTRSCHK	Start GMT for State Check
16	(10)	CHARACTER	8	ATRFZTSTENDSCHK	End GMT for State Check
24	(18)	CHARACTER	8	ATRFZTSTSTRPRP	Start GMT for Prepare
32	(20)	CHARACTER	8	ATRFZTSTENDPRP	End GMT for Prepare
40	(28)	CHARACTER	8	ATRFZTSTSTRDBT	Start GMT for Doubt
48	(30)	CHARACTER	8	ATRFZTSTENDDBT	End GMT for Doubt
56	(38)	CHARACTER	8	ATRFZTSTSTRCMT	Start GMT for Commit
64	(40)	CHARACTER	8	ATRFZTSTENDCMT	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
72	(48)	CHARACTER	8	ATRFZTSTSTRBAK	End GMT for Commit
80	(50)	CHARACTER	8	ATRFZTSTENDBAK	Start GMT for Backout
88	(58)	CHARACTER	8	ATRFZTSTSTREND	End GMT for Backout
96	(60)	CHARACTER	8	ATRFZTSTENDEND	Start GMT for End
104	(68)	CHARACTER	8	ATRFZTSTSTROLA	End GMT for End
112	(70)	CHARACTER	8	ATRFZTSTENDOLA	Start GMT for Only Agent
120	(78)	CHARACTER	8	ATRFZTSTSTRCMP	End GMT for Only Agent
128	(80)	CHARACTER	8	ATRFZTSTENDCMP	Start GMT for Completion
136	(88)	CHARACTER	8	ATRFZTSTSTRPPP	End GMT for Completion
144	(90)	CHARACTER	8	ATRFZTSTENDPPP	Start GMT for Pre-Prepare
					End GMT for Pre-Prepare

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZSRT	
0	(0)	DBL WORD	8	(0)	
0	(0)	SIGNED	4	ATRFZSRTKEY	Sort key
4	(4)	SIGNED	4	ATRFZSRTOPTIONS	Sort options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZLG	
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING	2	ATRFZLGFLAGS	Indicators
2	(2)	SIGNED	2	ATRFZLGVERSION	
4	(4)	SIGNED	4	ATRFZLGTYPE	LG Version Number
8	(8)	CHARACTER	8	ATRFZLGSYSNAME	Type of UR Group and System Table
					Sysname
16	(10)	CHARACTER	8	ATRFZLGGNAME	Logging Group Name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZSI	
0	(0)	DBL WORD	8	(0)	
0	(0)	ADDRESS	4	ATRFZSINEXT	Address/offset of the next ATRFZSI block or zero
4	(4)	BITSTRING	2	ATRFZSIFLAGS	Undefined
6	(6)	SIGNED	2	ATRFZSIVERSION	
					LG Version Number
8	(8)	CHARACTER	8	ATRFZSISYSNAME	
					Sysname
16	(10)	CHARACTER	16	ATRFZSIMEMNAME	
					XCF Member Name
32	(20)	CHARACTER	1	ATRFZSIMEMSTATE	
					XCF Member State
32	(20)	X'1'	0	ATRFZSIMEMSTATE_ACTIVE	"1" XCF Member State = ACTIVE
33	(21)	CHARACTER	7	ATRFZSIRSVD	Reserved
40	(28)	CHARACTER	8	ATRFZSIGNAME	Logging Group Name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZRCA	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	8	ATRFZRCAGNAME	

ATRFZQRY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	CHARACTER	8	ATRFZRCASYSNAME	Logging Group name
16	(10)	SIGNED	4	ATRFZRCAATTRC	System name
20	(14)	SIGNED	4	ATRFZRCAATTRSN	ATRQUERY/ATRSRV Return Code
24	(18)	SIGNED	4	ATRFZRCASERVICEID	ATRQUERY/ATRSRV Reason Code
28	(1C)	SIGNED	4	ATRFZRCASERVICERC	Failing Service Identifier !
32	(20)	SIGNED	4	ATRFZRCASERVICERSN	Failing Service Return Code ! Failing Service Reason Code !

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZCFM	
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING	2	ATRFZCFMFLAGS	Indicators
0	(0)	BITSTRING	0	ATRFZCFMPARENTNOTMAPPED	"X'8000" The parent of this UR is not included in the output area
0	(0)	BITSTRING	0	ATRFZCFMSIBNOTMAPPED	"X'4000" The sibling of this UR is not included in the output area
0	(0)	BITSTRING	0	ATRFZCFMCHILDNOTMAPPED	"X'2000" The child of this UR is not included in the output area
2	(2)	SIGNED	2	ATRFZCFMVERSION	CFM version number
4	(4)	SIGNED	4	ATRFZCFMPRNTPTR	Address of the ATRFZUR entry of the parent of this UR. Zero if this UR is a top level UR or if ATRFZCFMPARENTNOTMAPPED is 1
8	(8)	SIGNED	4	ATRFZCFMSIBPTR	Address of the ATRFZUR entry of the next sibling of this UR. Zero if this UR has no additional siblings or if this UR is a top level UR or of ATRFZCFMSIBNOTMAPPED is 1
12	(C)	SIGNED	4	ATRFZCFMCHILDPTR	Address of the ATRFZUR entry of the child of this UR. Zero if this UR has no children or if ATRFZCFMCHILDNOTMAPPED is 1

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRFZST	
0	(0)	DBL WORD	8	(0)	
0	(0)	ADDRESS	4	ATRFZSTNEXT	Address/offset of the next ATRFZST block or zero
4	(4)	BITSTRING	2	ATRFZSTFLAGS	Unused
6	(6)	SIGNED	2	ATRFZSTVERSION	ST Version Number
8	(8)	CHARACTER	8	ATRFZSTGNAME	Logging Group Name
16	(10)	CHARACTER	8	ATRFZSTSYSNAME	Sysname
24	(18)	SIGNED	4	ATRFZSTSTATE	UR state
28	(1C)	SIGNED	4	ATRFZSTNUMOFURS	Number of URs in that state
32	(20)	CHARACTER	8	ATRFZSTMINTIME	Minimum UR Duration, TOD format. See message ATR623I for explanation.
40	(28)	CHARACTER	8	ATRFZSTMAXTIME	Maximum UR Duration, TOD format. See message ATR623I for explanation.

ATRFZQRY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATRFZCFM	0			6	
ATRFZCFMCHILDNOTMAPPED	0	2000	ATRFZSRT	0	
ATRFZCFMCHILDPTR	C		ATRFZSRTKEY	0	
ATRFZCFMFLAGS	0		ATRFZSRTOPTIONS	4	
ATRFZCFMPARENTNOTMAPPED	0	8000	ATRFZST	0	
ATRFZCFMPRNTPTR	4		ATRFZSTFLAGS	4	
ATRFZCFMSIBNOTMAPPED	0	4000	ATRFZSTGNAME	8	
ATRFZCFMSIBPTR	8		ATRFZSTMAXTIME	28	
ATRFZCFMVERSION	2		ATRFZSTMINTIME	20	
ATRFZLG	0		ATRFZSTNEXT	0	
ATRFZLGFLAGS	0		ATRFZSTNUMOFURS	1C	
ATRFZLGGNAME	10		ATRFZSTSTATE	18	
ATRFZLGSYSNAME	8		ATRFZSTSYSNAME	10	
ATRFZLGTYPE	4		ATRFZSTVERSION	6	
ATRFZLGVERSION	2		ATRFZTST	0	
ATRFZRCA	0		ATRFZTSTENDBAK	50	
ATRFZRCAATTRC	10		ATRFZTSTENDCMP	80	
ATRFZRCAATTRSN	14		ATRFZTSTENDCMT	40	
ATRFZRCAGNAME	0		ATRFZTSTENDDBT	30	
ATRFZRCASERVICEID	18		ATRFZTSTENDEND	60	
ATRFZRCASERVICERC	1C		ATRFZTSTENDOLA	70	
ATRFZRCASERVICERSN	20		ATRFZTSTENDPPP	90	
ATRFZRCASYSNAME	8		ATRFZTSTENDPRP	20	
ATRFZRM	0		ATRFZTSTENDSCHK	10	
ATRFZRMFLAGS	4		ATRFZTSTFLAGS	0	
ATRFZRMLGPTR	3C		ATRFZTSTSTRBAK	48	
ATRFZRMMETADATALEN	40		ATRFZTSTSTRCMP	78	
ATRFZRMMETADATALGPTR	44		ATRFZTSTSTRCMT	38	
ATRFZRMNEXT	0		ATRFZTSTSTRDBT	28	
ATRFZRMJMJOBNAME	48		ATRFZTSTSTREND	58	
ATRFZRMJMNAME	8		ATRFZTSTSTROLA	68	
ATRFZRMJMSTATE	38		ATRFZTSTSTRPPP	88	
ATRFZRMJMTOKEN	28		ATRFZTSTSTRPRP	18	
ATRFZRMVERSION	6		ATRFZTSTSTRSCHK	8	
ATRFZSI	0		ATRFZTSTTYPE	4	
ATRFZSIFLAGS	4		ATRFZTSTVERSION	2	
ATRFZSIGNAME	28		ATRFZUR	0	
ATRFZSIMEMNAME	10		ATRFZURASID	28	
ATRFZSIMEMSTATE	20		ATRFZURCASCADDED	4	200
ATRFZSIMEMSTATE_ACTIVE	20	1	ATRFZURCFAMILY	4	400
ATRFZSINEXT	0		ATRFZURCFMPTR	90	
ATRFZSIRSVD	21		ATRFZURCRTIME	20	
ATRFZSISYSNAME	8				
ATRFZSIVERSION					

ATRFZQRY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATRFZURDAMAGED				34	
	4	4000	ATRFZURMAINLOG		
ATRFZURDEFERRED				4	10
	4	1000	ATRFZURMIXEDSTATES		
ATRFZURDELAYEDLOG				4	800
	4	8	ATRFZURMODEGLOBAL		
ATRFZURDONOTDISPLAY				4	40
	4	4	ATRFZURMODELOCAL		
ATRFZUREIDLEN				4	80
	38		ATRFZURNEXT		
ATRFZUREIDPTR				0	
	3C		ATRFZURPARENTURID		
ATRFZURELEMENT_LEN				80	
	B4		ATRFZURPROTOCOL		
ATRFZURFAMILYINCLUDE				2C	
	4	100	ATRFZURRESTARTLOG		
ATRFZURFLAGS				4	8000
ATRFZURFLAGS1			ATRFZURSURID		
	2A			94	
ATRFZURFLAGS1ACTIVE			ATRFZURSYSPLEXCASCADED		
	4	1		4	20
ATRFZURHEURMIXED			ATRFZURTSTPTR		
	4	2000		58	
ATRFZURI			ATRFZURURFUNCMAP		
ATRFZURIBACKOUT_RC				48	
	50		ATRFZURURIADDR		
ATRFZURICOMMIT_RC				44	
	4C		ATRFZURURICOUNT		
ATRFZURICOMPLETION_RC				40	
	58		ATRFZURURID		
ATRFZURIDDEFERRED				8	
	4	40	ATRFZURURSTATE		
ATRFZURIDISTSYNCPPOINT_RC				18	
	60		ATRFZURURTYPE		
ATRFZURIEND_RC				1C	
	54		ATRFZURVERSION		
ATRFZURIEXITFAILED_RC				6	
	64		ATRFZURWAITAPPLCOMPLETE		
ATRFZURIFLAGS				4	2
	4		ATRFZURWAITEXITS		
ATRFZURIINTTYPE				2A	4000
	38		ATRFZURWAITSUBURS		
ATRFZURINEXT				2A	8000
ATRFZURIONLYAGENT_RC			ATRFZURWMMNAME		
	5C			5C	
ATRFZURIPIDLEN			ATRFZURXIDLEN		
	70			50	
ATRFZURIPIDPTR			ATRFZURXIDPTR		
	74			54	
ATRFZURIPREPARE_RC			ATRFZWM		
	48			0	
ATRFZURIPREPARE_RC			ATRFZWMFLAGS		
	78			4	
ATRFZURIPROTOCOL			ATRFZWMLGPTR		
	3C			28	
ATRFZURIRMNAME			ATRFZWMNEXT		
	18			0	
ATRFZURIROLE			ATRFZWMVERSION		
ATRFZURIRSTRTREQ				6	
	4	80	ATRFZWMWMMNAME		
ATRFZURISTATE				8	
	6C				
ATRFZURISTATECHECK_RC					
	44				
ATRFZURITOKEN					
	8				
ATRFZURITSTPTR					
	68				
ATRFZURIVERSION					
	6				
ATRFZURLGPTR					
	7C				
ATRFZURLUWIDLEN					
	30				
ATRFZURLUWIDPTR					

ATRFZSRV Information

ATRFZSRV Programming Interface information

Programming Interface information

ATRFZSRV

End of Programming Interface information

ATRFZSRV Heading Information • ATRFZSRV Map

ATRFZSRV Heading Information

Common Name: RRS ATRSRV Constants
Macro ID: ATRFZSRV
DSECT Name: N/A
Owning Component: Resource Recovery Services (SCRRS)
Eye-Catcher ID: N/A
 Offset: n/a
 Length: n/a
Storage Attributes: Main Storage: n/a
 Virtual Storage: n/a
 Auxiliary Storage: n/a
 Subpool: n/a
 Key: n/a
 Residency: n/a
Size: See assembler listing.
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: This macro contains constants and declares for the ATRSRV executable macro.

ATRFZSRV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	ATRSRV_SUCCESS	"0" Function completed successfully
0	(0)	X'4'	0	ATRSRV_WARNING	"4" Function completed with warnings
0	(0)	X'8'	0	ATRSRV_FAILURE	"8" Function failed
Comment					
Reason codes					
End of Comment					
0	(0)	X'1'	0	ATRSRV_UR_NOT_IN_DOUBT	"1" The specified UR is not In-Doubt
0	(0)	X'2'	0	ATRSRV_RM_IS_ACTIVE	"2" The REMOVINT or REMOVRM function was requested for an active resource manager.
0	(0)	X'3'	0	ATRSRV_RRS_NOT_ACTIVE	"3" RRS is not active
0	(0)	X'4'	0	ATRSRV_UR_HAS_DSRM	"4" A REMOVINT function was requested for the DSRM of a In-Doubt UR.
0	(0)	X'5'	0	ATRSRV_BAD_REMOVINT_PARM	"5" At least one of RMNAME or URID must be specified with REMOVINT.
0	(0)	X'6'	0	ATRSRV_URID_NOT_VALID	"6" The input URID is invalid or the associated UR does not exist
0	(0)	X'7'	0	ATRSRV_RID_NOT_SUPPORTED	"7" Commit/Backout processing not supported for this UR
0	(0)	X'8'	0	ATRSRV_URID_NOT_FOUND	"8" The UR can not be found for the input URID
0	(0)	X'9'	0	ATRSRV_NO_UR_FOR_RM	"9" There are no URs associated with this resource manager
0	(0)	X'A'	0	ATRSRV_NOT_AUTH	"10" The caller is not supervisor state, key 0-7
0	(0)	X'B'	0	ATRSRV_NOT_SAF_AUTH	"11" The caller does not have ALTER access to RRS commands
0	(0)	X'C'	0	ATRSRV_RRS_DOWNLEVEL	"12" RRS on this system is downlevel and cannot honor the function
0	(0)	X'F'	0	ATRSRV_GNAME_INVALID	"15" The specified GNAME does not exist or is not valid with the SYSNAME specified !
0	(0)	X'10'	0	ATRSRV_SYSNAME_INVALID	"16" The specified SYSNAME does not exist or is not valid with the GNAME specified !
0	(0)	X'16'	0	ATRSRV_INSTANCE_FAILURE	"22" Error(s) occurred in the remote request !
0	(0)	X'17'	0	ATRSRV_REMOTE_WARNING	"23" Error(s) occurred on some systems involved in the request !
0	(0)	X'18'	0	ATRSRV_REMOTE_ERROR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'19'	0	ATRSRV_RESP_NOT_RECEIVED	"24" Error(s) occurred on all systems involved in the request !
0	(0)	X'1A'	0	ATRSRV_REMOTE_NOT_ACTIVE	"25" Response not received from the remote system !
0	(0)	X'1B'	0	ATRSRV_UR_HAS_NO_INT	"26" The remote system is not active !
0	(0)	X'1C'	0	ATRSRV_UR_NOT_TOP	"27" No interests were found for UR !
0	(0)	X'1D'	0	ATRSRV_RIN_NOT_SUPPORTED	"28" UR must be top for this function!
0	(0)	X'1E'	0	ATRSRV_RMSTILLHASINTERESTS	"29" Remove Interest processing not supported for this UR
0	(0)	X'1F'	0	ATRSRV_RMISNOTKNOWNTORRS	"30" Delete RM cannot be completed since the RM has interests in one or more UR. !
0	(0)	X'20'	0	ATRSRV_DELETEOBJECTNOTSUPPORTED	"31" The RM specified on the Delete RM request could not be found in the RM Data log or as an RM object. !
0	(0)	X'21'	0	ATRSRV_ERRORDELETEINGRMLOGENTRY	"32" The RM was deleted from the RRS logs, but one or more systems in the logging group do not support Delete RM so if the RM storage was on those systems, that storage will persist. !
0	(0)	X'22'	0	ATRSRV_DELETEOBJECTNOTSUPPORTED	"33" The RM was not deleted due to errors deleting the RM from the RRS logs. Try the request again. !
0	(0)	X'23'	0	ATRSRV_RM_NOT_FOUND	"34" The RM cannot be deleted since it is on a system that does not support the Delete RM function. !
0	(0)	X'24'	0	ATRSRV_RM_STILL_REGISTERED	"35" The RM cannot be found on the specified RRS system. !
0	(0)	X'25'	0	ATRSRV_RM_UNREGISTERED_NOT_ALLOWED	"36" The RM is still registered with Registration Services and cannot be unregistered with RRS. !
0	(0)	X'26'	0	ATRSRV_UR_NOT_IN_FORGET	"37" Unregister processing for an RM is not allowed when the RM state is either Reset or Unset. !
0	(0)	X'27'	0	ATRSRV_NOT_SERVER_DSRM	"38" The specified UR is not In-Forget !
0	(0)	X'FFF'	0	ATRSRV_UNEXPECTED_ERROR	"39" The resource manager does not have the server distributed syncpoint resource manager role for the unit of recovery. !
					"4095" An unexpected error occurred !

ATRFZSRV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATRSRV_BAD_REMOVINT_PARM	0	5	ATRSRV_REMOTE_WARNING	0	17
ATRSRV_DELETEOBJECTNOTSUPPORTED	0	22	ATRSRV_RESP_NOT_RECEIVED	0	19
ATRSRV_DELETEOBJECTNOTSUPPORTED	0	20	ATRSRV_RID_NOT_SUPPORTED	0	7
ATRSRV_ERRORDELETEINGRMLOGENTRY	0	21	ATRSRV_RIN_NOT_SUPPORTED	0	1D
ATRSRV_FAILURE	0	8	ATRSRV_RM_IS_ACTIVE	0	2
ATRSRV_GNAME_INVALID	0	F	ATRSRV_RM_NOT_FOUND	0	23
ATRSRV_INSTANCE_FAILURE	0	16	ATRSRV_RM_STILL_REGISTERED	0	24
ATRSRV_NO_UR_FOR_RM	0	9	ATRSRV_RM_UNREGISTERED_NOT_ALLOWED	0	25
ATRSRV_NOT_AUTH	0	A	ATRSRV_RMISNOTKNOWNTORRS	0	1F
ATRSRV_NOT_SAF_AUTH	0	B	ATRSRV_RMSTILLHASINTERESTS	0	1E
ATRSRV_NOT_SERVER_DSRM	0	27	ATRSRV_RRS_DOWNLEVEL	0	C
ATRSRV_REMOTE_ERROR	0	18	ATRSRV_RRS_NOT_ACTIVE	0	3
ATRSRV_REMOTE_NOT_ACTIVE	0	1A	ATRSRV_SUCCESS	0	0

ATRFZSRV Cross Reference

Name	Hex Offset	Hex Value
ATRSRV_SYSNAME_INVALID	0	10
ATRSRV_UNEXPECTED_ERROR	0	FFF
ATRSRV_UR_HAS_DSRM	0	4
ATRSRV_UR_HAS_NO_INT	0	1B
ATRSRV_UR_NOT_IN_DOUBT	0	1
ATRSRV_UR_NOT_IN_FORGET	0	26
ATRSRV_UR_NOT_TOP	0	1C
ATRSRV_URID_NOT_FOUND	0	8
ATRSRV_URID_NOT_VALID	0	6
ATRSRV_WARNING	0	4

ATTRASM Information

ATTRASM Programming Interface information

Programming Interface information

ATTRASM

End of Programming Interface information

ATTRASM Heading Information • ATTRASM Map

ATTRASM Heading Information

Common Name: RRS Assembler Declares
Macro ID: ATTRASM
DSECT Name: ATRXPARMLIST, ATREINTPARMLIST, ATRDINTPARMLIST, ATRPDUEPARMLIST, ATRIBRSPARMLIST, ATRIERSPARMLIST, ATRIRNIPARMLIST, ATRIRIPARMLIST, ATRIRLNPARMLIST, ATRISLNPARMLIST, ATRREICPARMLIST, ATRRIDPARMLIST, ATRRURDPARMLIST, ATRRUSIPARMLIST, ATRRWIDPARMLIST, ATRSITPARMLIST, ATRSPIDPARMLIST, ATRSROIIPARMLIST, ATRSSPCPARMLIST, ATRSUSIPARMLIST, ATRSWIDPARMLIST, ATRBACKPARMLIST, ATRCMITPARMLIST, ATRRURD1PARMLIST, ATRRURD2PARMLIST, ATRCCUR2PARMLIST, ATREINT2PARMLIST, ATRSUSI2PARMLIST, ATRRUSI2PARMLIST, ATRSWID2PARMLIST, ATRRWID2PARMLIST, ATRSPSP2PARMLIST, ATRDPSP2PARMLIST, ATRABCKPARMLIST, ATRACMTPARMLIST, ATRADCTPARMLIST, ATRADCT1PARMLIST, ATRAFGTPARMLIST, ATRAPRPPARMLIST, ATRXPARMEXITFLAGS

Owning Component: RRS (SCRRES)
Eye-Catcher ID: none
Storage Attributes: Subpool: ATRXPARMLIST and ATRXPARMEXITFLAGS (241) Other DSECTS (Determined by caller of ATR callable service)
Key: ATRXPARMLIST and ATRXPARMEXITFLAGS (key of Resource Manager when it set exits with RRS/MVS) Other DSECTS (Determined by caller of ATR callable service)
Residency: ATRXPARMLIST and ATRXPARMEXITFLAGS (above) Other DSECTS (Determined by caller of ATR callable service)

Size: ATRXPARMLIST (56 bytes)
ATREINTPARMLIST (56 bytes)
ATRDINTPARMLIST (8 bytes)
ATRPDUEPARMLIST (16 bytes)
ATTRIBRSPARMLIST (8 bytes)
ATRIERSPARMLIST (8 bytes)
ATRIRNIPARMLIST (40 bytes)
ATRIRIPARMLIST (16 bytes)
ATRIRLNPARMLIST (28 bytes)
ATRISLNPARMLIST (16 bytes)
ATRREICPARMLIST (12 bytes)
ATRRIDPARMLIST (36 bytes)
ATRRURDPARMLIST (16 bytes)
ATRRUSIPARMLIST (20 bytes)
ATRRWIDPARMLIST (32 bytes)
ATRSITPARMLIST (28 bytes)
ATRSPIDPARMLIST (16 bytes)
ATRSROIIPARMLIST (36 bytes)
ATRSSPCPARMLIST (24 bytes)
ATRSUSIPARMLIST (16 bytes)
ATRSWIDPARMLIST (24 bytes)
ATRBCKPARMLIST (4 bytes)
ATRCMITPARMLIST (4 bytes)
ATRRURD1PARMLIST(20 bytes)
ATRRURD2PARMLIST(24 bytes)
ATRCCUR2PARMLIST(20 bytes)
ATREINT2PARMLIST(72 bytes)
ATRSUSI2PARMLIST(16 bytes)
ATRRUSI2PARMLIST(20 bytes)
ATRSWID2PARMLIST(24 bytes)
ATRRWID2PARMLIST(32 bytes)
ATRSPSP2PARMLIST(12 bytes)
ATRDSP2PARMLIST(12 bytes)
ATRABCKPARMLIST(12 bytes)
ATRACMTPARMLIST(12 bytes)
ATRADCTPARMLIST(12 bytes)
ATRADCT1PARMLIST(16 bytes)
ATRAFGTPARMLIST(12 bytes)
ATRAPRPPARMLIST(12 bytes)
ATXPARMEXITFLAGS (4 bytes)

Created by: ATRXPARMLIST and ATRXPARMEXITFLAGS are created by RRS/MVS. The ATR callable services parameter lists are created by programs which invoke the corresponding ATR callable services.

Pointed to by: ATRXPARMLIST is pointed to by Register 1 on entry to an RRS/MVS exit. Each ATR callable service parameter list is pointed to by Register 1 on entry to the corresponding ATR callable service.

Serialization: n/a
Function: ATTRASM defines RRS constants and declares for programs written in the Assembler language which will invoke the RRS ATR callable services (e.g. ATREINT, ATRDINT, etc.).
ATTRASM also maps the RRS/MVS exit parameter lists.

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0		
0	(0)	X'10000'	0	ATR_DINT_PRIM_ADDR	"65536" ('00010000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'10001'	0	ATR_DINT_NOT_ADDR	"65537" ('00010001'X) The parameters passed by the caller are not addressable.
0	(0)	X'20000'	0	ATR_EINT_PRIM_ADDR	"131072" ('00020000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'20001'	0	ATR_EINT_NOT_ADDR	"131073" ('00020001'X) The parameters passed by the caller are not addressable.
0	(0)	X'30000'	0	ATR_IBRS_PRIM_ADDR	"196608" ('00030000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'30001'	0	ATR_IBRS_NOT_ADDR	"196609" ('00030001'X) The parameters passed by the caller are not addressable.
0	(0)	X'40000'	0	ATR_IERS_PRIM_ADDR	"262144" ('00040000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'40001'	0	ATR_IERS_NOT_ADDR	"262145" ('00040001'X) The parameters passed by the caller are not addressable.
0	(0)	X'50000'	0	ATR_IRLN_PRIM_ADDR	"327680" ('00050000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'50001'	0	ATR_IRLN_NOT_ADDR	"327681" ('00050001'X) The parameters passed by the caller are not addressable.
0	(0)	X'60000'	0	ATR_IRNI_PRIM_ADDR	"393216" ('00060000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'60001'	0	ATR_IRNI_NOT_ADDR	"393217" ('00060001'X) The parameters passed by the caller are not addressable.
0	(0)	X'70000'	0	ATR_IRRI_PRIM_ADDR	"458752" ('00070000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'70001'	0	ATR_IRRI_NOT_ADDR	"458753" ('00070001'X) The parameters passed by the caller are not addressable.
0	(0)	X'80000'	0	ATR_ISLN_PRIM_ADDR	"524288" ('00080000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'80001'	0	ATR_ISLN_NOT_ADDR	"524289" ('00080001'X) The parameters passed by the caller are not addressable.
0	(0)	X'90000'	0	ATR_PDUE_PRIM_ADDR	"589824" ('00090000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'90001'	0	ATR_PDUE_NOT_ADDR	"589825" ('00090001'X) The parameters passed by the caller are not addressable.
0	(0)	X'A0000'	0	ATR_REIC_PRIM_ADDR	"655360" ('000A0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'A0001'	0	ATR_REIC_NOT_ADDR	"655361" ('000A0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'B0000'	0	ATR_RID_PRIM_ADDR	"720896" ('000B0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'B0001'	0	ATR_RID_NOT_ADDR	"720897" ('000B0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'C0000'	0	ATR_RURD_PRIM_ADDR	"786432" ('000C0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'C0001'	0	ATR_RURD_NOT_ADDR	"786433" ('000C0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'D0000'	0	ATR_RUSI_PRIM_ADDR	

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'D0001'	0	ATR_RUSI_NOT_ADDR	"851968" ('000D0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'E0000'	0	ATR_RWID_PRIM_ADDR	"851969" ('000D0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'E0001'	0	ATR_RWID_NOT_ADDR	"917504" ('000E0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'F0000'	0	ATR_SIT_PRIM_ADDR	"917505" ('000E0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'F0001'	0	ATR_SIT_NOT_ADDR	"983040" ('000F0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'100000'	0	ATR_SPID_PRIM_ADDR	"983041" ('000F0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'100001'	0	ATR_SPID_NOT_ADDR	"1048576" ('00100000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'110000'	0	ATR_SROI_PRIM_ADDR	"1048577" ('00100001'X) The parameters passed by the caller are not addressable.
0	(0)	X'110001'	0	ATR_SROI_NOT_ADDR	"1114112" ('00110000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'120000'	0	ATR_SSPC_PRIM_ADDR	"1114113" ('00110001'X) The parameters passed by the caller are not addressable.
0	(0)	X'120001'	0	ATR_SSPC_NOT_ADDR	"1179648" ('00120000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'130000'	0	ATR_SUSI_PRIM_ADDR	"1179649" ('00120001'X) The parameters passed by the caller are not addressable.
0	(0)	X'130001'	0	ATR_SUSI_NOT_ADDR	"1245184" ('00130000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'140000'	0	ATR_SWID_PRIM_ADDR	"1245185" ('00130001'X) The parameters passed by the caller are not addressable.
0	(0)	X'140001'	0	ATR_SWID_NOT_ADDR	"1310720" ('00140000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'150000'	0	ATR_SEIF_REMD_BAD_RC	"1310721" ('00140001'X) The parameters passed by the caller are not addressable.
0	(0)	X'150001'	0	ATR_SEIF_SEMD_BAD_RC	"1376256" ('00150000'X) The CRGREMD call issued during CRGSEIF processing returned unacceptable return code
0	(0)	X'150001'	0	ATR_SEIF_SEMD_BAD_RC	"1376257" ('00150001'X) The CRGSEMD call issued during CRGSEIF processing returned unacceptable return code

Comment

'0016nnnn'X reason codes assigned to SRRRCMIT processing.
 '0017nnnn'X reason codes assigned to ATRBACK processing.
 '0018nnnn'X reason codes assigned to ATRRCMIT processing.
 '0019nnnn'X reason codes not being used.

End of Comment

0	(0)	X'1A0000'	0	ATR_ABAK_PRIM_ADDR	"1703936" ('001A0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1A0001'	0	ATR_ABAK_NOT_ADDR	"1703937" ('001A0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1B0000'	0	ATR_ACMT_PRIM_ADDR	"1769472" ('001B0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1B0001'	0	ATR_ACMT_NOT_ADDR	"1769473" ('001B0001'X) The parameters passed by the caller are not addressable.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'1C0000'	0	ATR_AFGT_PRIM_ADDR	"1835008" ('001C0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1C0001'	0	ATR_AFGT_NOT_ADDR	"1835009" ('001C0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1D0000'	0	ATR_APRP_PRIM_ADDR	"1900544" ('001D0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1D0001'	0	ATR_APRP_NOT_ADDR	"1900545" ('001D0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1E0000'	0	ATR_ALCC_PRIM_ADDR	"1966080" ('001E0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1E0001'	0	ATR_ALCC_NOT_ADDR	"1966081" ('001E0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1F0000'	0	ATR_CCUR_PRIM_ADDR	"2031616" ('001F0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1F0001'	0	ATR_CCUR_NOT_ADDR	"2031617" ('001F0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'200000'	0	ATR_SPSP_PRIM_ADDR	"2097152" ('00200000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'200001'	0	ATR_SPSP_NOT_ADDR	"2097153" ('00200001'X) The parameters passed by the caller are not addressable.
0	(0)	X'210000'	0	ATR_DPSP_PRIM_ADDR	"2162688" ('00210000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'210001'	0	ATR_DPSP_NOT_ADDR	"2162689" ('00210001'X) The parameters passed by the caller are not addressable.
0	(0)	X'220000'	0	ATR_ADCT_PRIM_ADDR	"2228224" ('00220000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'220001'	0	ATR_ADCT_NOT_ADDR	"2228225" ('00220001'X) The parameters passed by the caller are not addressable.
0	(0)	X'230000'	0	ATR_BEG_PRIM_ADDR	"2293760" ('00230000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'230001'	0	ATR_BEG_NOT_ADDR	"2293761" ('00230001'X) The parameters passed by the caller are not addressable.
0	(0)	X'240000'	0	ATR_END_PRIM_ADDR	"2359296" ('00240000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'240001'	0	ATR_END_NOT_ADDR	"2359297" ('00240001'X) The parameters passed by the caller are not addressable.

Comment
'0025nnnn'X reason codes not being used.
End of Comment

0	(0)	X'260000'	0	ATR_SENV_PRIM_ADDR	"2490368" ('00260000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'260001'	0	ATR_SENV_NOT_ADDR	"2490369" ('00260001'X) The parameters passed by the caller are not addressable.
0	(0)	X'270000'	0	ATR_RENV_PRIM_ADDR	"2555904" ('00270000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'270001'	0	ATR_RENV_NOT_ADDR	"2555905" ('00270001'X) The parameters passed by the caller are not addressable.
0	(0)	X'280000'	0	ATR_SDTA_PRIM_ADDR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'280001'	0	ATR_SDTA_NOT_ADDR	"2621440" ('00280000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'290000'	0	ATR_RDTA_PRIM_ADDR	"2621441" ('00280001'X) The parameters passed by the caller are not addressable.
0	(0)	X'290001'	0	ATR_RDTA_NOT_ADDR	"2686976" ('00290000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'290001'	0	ATR_RDTA_NOT_ADDR	"2686977" ('00290001'X) The parameters passed by the caller are not addressable.

Comment

Constants

End of Comment

0	(0)	X'0'	0	ATR_IMMED	"0" ('00000000'X) Immediate
0	(0)	X'1'	0	ATR_DEFER_MULT	"1" ('00000001'X) Defer
0	(0)	X'2'	0	ATR_DEFER_SINGLE	"2" ('00000002'X) Defer Single
0	(0)	X'0'	0	ATR_UNCONDITIONAL	"0" ('00000000'X) Unconditional
0	(0)	X'1'	0	ATR_CONDITIONAL	"1" ('00000001'X) Conditional
0	(0)	X'1'	0	ATR_STATE_CHECK_EXIT	"1" ('00000001'X) STATE_CHECK exit
0	(0)	X'2'	0	ATR_PREPARE_EXIT	"2" ('00000002'X) PREPARE exit
0	(0)	X'3'	0	ATR_DISTRIBUTED_SYNCPOINT_EXIT	"3" ('00000003'X) DISTRIBUTED_SYNCPOINT exit
0	(0)	X'4'	0	ATR_COMMIT_EXIT	"4" ('00000004'X) COMMIT exit
0	(0)	X'5'	0	ATR_BACKOUT_EXIT	"5" ('00000005'X) BACKOUT exit
0	(0)	X'6'	0	ATR_END_UR_EXIT	"6" ('00000006'X) END_UR exit
0	(0)	X'7'	0	ATR_EXIT_FAILED_EXIT	"7" ('00000007'X) EXIT_FAILED exit
0	(0)	X'8'	0	ATR_COMPLETION_EXIT	"8" ('00000008'X) COMPLETION exit
0	(0)	X'9'	0	ATR_ONLY_AGENT_EXIT	"9" ('00000009'X) ONLY_AGENT exit
0	(0)	X'A'	0	ATR_SUBORDINATE_FAILED_EXIT	"10" ('0000000A'X) SUBORDINATE FAILED exit This replaces ATR_FLIGHT_EXIT which was not being used.
0	(0)	X'B'	0	ATR_PRE_PREPARE_EXIT	"11" ('0000000B'X) PRE_PREPARE Exit
0	(0)	X'1'	0	ATR_EXIT_TYPE_SRB	"1" ('00000001'X) SRB type exit routine
0	(0)	X'2'	0	ATR_EXIT_TYPE_PC	"2" ('00000002'X) PC type exit routine

Comment

Define ATR_EXIT_TYPE_PCS as constant 4 to make it consistent with the CRG_EXIT_TYPE_PCS which is defined for registration services. Note constant 3 being used for CRG_EXIT_TYPE_BALR in registration services

End of Comment

0	(0)	X'4'	0	ATR_EXIT_TYPE_PCS	"4" ('00000004'X) PC type exit routine with a sequence number
0	(0)	X'0'	0	ATR_FAIL_STANDARD	"0" ('00000000'X) Standard processing
0	(0)	X'1'	0	ATR_FAIL_FUTURE	"1" ('00000001'X) Fail future commit requests
0	(0)	X'2'	0	ATR_FAIL_FORGET	"2" ('00000002'X) Forget interest
0	(0)	X'1'	0	ATR_EXIT_RC_NOT_VALID	"1" ('00000001'X) Return Code Not Valid
0	(0)	X'2'	0	ATR_EXIT_ABENDED	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"2" ('00000002'X) Exit Routine Abended without a reason code
0	(0)	X'3'	0	ATR_REDRIIVE_LIMIT	"3" ('00000003'X) Redrive Limit Exceeded
0	(0)	X'4'	0	ATR_RC_INCORRECT_AFTER_POST	"4" ('00000004'X) Return Code Incorrect After Post
0	(0)	X'5'	0	ATR_MEMTERM	"5" ('00000005'X) Memory Termination
0	(0)	X'6'	0	ATR_FORGET_NOT_VALID	"6" ('00000006'X) Could not forget due to role
0	(0)	X'7'	0	ATR_EXIT_ABENDED_RSN	"7" ('00000007'X) Exit Routine Abended with a reason code
0	(0)	X'8'	0	ATR_ASYNC_ABEND	"8" ('00000008'X) Asynchronous ABEND while waiting for ATRPDUE: The Srb or task which requested the syncpoint was asynchronously ABENDED while RRS was waiting for an ATRPDUE from an exit or an exit returned ATRX_LATER while RRS was processing an asynchronously ABENDED syncpoint.
0	(0)	X'9'	0	ATR_ASYNC_ABEND_RSN	"9" ('00000009'X) Asynchronous ABEND while waiting for ATRPDUE: The Srb or task which requested the syncpoint was asynchronously ABENDED while RRS was waiting for an ATRPDUE from an exit or an exit returned ATRX_LATER while RRS was processing an asynchronously ABENDED syncpoint. The ABEND code was associated with a reason code.
0	(0)	X'A'	0	ATR_ASYNC_MEMTERM	"10" ('0000000A'X) The srb or task which requested the syncpoint had for an ATRPDUE from an exit or an exit returned ATRX_LATER while RRS processing a memtermed syncpoint.
0	(0)	X'B'	0	ATR_ALREADY_DEFERRED	"11" ('0000000B'X) The resource manager has already requested RRS to defer this exit for this expression of interest
0	(0)	X'C'	0	ATR_ALL_DEFERRED	"12" ('0000000C'X) The resource manager has already requested RRS to defer this exit for all of its expressions of interest
0	(0)	X'D'	0	ATR_DEFER_NOT_VALID	"13" ('0000000D'X) The resource manager has already requested RRS to defer this exit while the exit has previously completed for on of the resource manager's expression of interest
0	(0)	X'E'	0	ATR_DEFER_SRB_NOT_VALID	"14" ('0000000E'X) The resource manager requested RRS to defer the SRB exit routine. SRB exit routines cannot be deferred.
0	(0)	X'0'	0	ATR_DO_NOT_GENERATE	"0" ('00000000'X) Do not generate
0	(0)	X'1'	0	ATR_GENERATE	"1" ('00000001'X) Generate
0	(0)	X'0'	0	ATR_UNPROTECTED	"0" ('00000000'X) Unprotected
0	(0)	X'1'	0	ATR_PROTECTED	"1" ('00000001'X) Protected
0	(0)	X'2'	0	ATR_PROT_LOGGED	"2" ('00000002'X) Protected and logged
0	(0)	X'0'	0	ATR_DEFER	"0" ('00000000'X) unit of recovery log record may be logically deleted.
0	(0)	X'0'	0	ATR_DEFER_IMPLICIT	"0" ('00000000'X) ATRAFGT will not be issued.
0	(0)	X'1'	0	ATR_DEFER_EXPLICIT	"1" ('00000001'X) ATRAFGT will be issued
0	(0)	X'2'	0	ATR_IMMEDIATE	"2" ('00000002'X) Delete SDSRM expression of interest in unit of recovery log record and remove SDSRM interest.
0	(0)	X'0'	0	ATR_BACKOUT_OK	"0" ('00000000'X) OK
0	(0)	X'FFF'	0	ATR_DRIVE_BACKOUT_EXIT	"4095" ('0000FFF'X) Invoke BACKOUT exit
0	(0)	X'0'	0	ATR_COMMIT_OK	"0" ('00000000'X) OK
0	(0)	X'FFF'	0	ATR_DRIVE_COMMIT_EXIT	"4095" ('0000FFF'X) Invoke COMMIT exit
0	(0)	X'0'	0	ATR_PREPARE_OK	"0" ('00000000'X) OK
0	(0)	X'14'	0	ATR_PREPARE_ABSTAIN	"20" ('00000014'X) ABSTAIN
0	(0)	X'FFF'	0	ATR_DRIVE_PREPARE_EXIT	"4095" ('0000FFF'X) Invoke PREPARE exit
0	(0)	X'1'	0	ATR_NO_MORE_THAN_ONE_INTEREST	"1" ('00000001'X) No more than one
0	(0)	X'2'	0	ATR_MULTIPLE_INTERESTS	"2" ('00000002'X) Multiple
0	(0)	X'0'	0	ATR_RESPOND_CONTINUE	

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'1'	0	ATR_RESPOND_COMPLETE	"0" ('0000000'X) Continue
					"1" ('00000001'X) Complete
0	(0)	X'0'	0	ATR_CURRENT	"0" ('00000000'X) Current
0	(0)	X'1'	0	ATR_NEXT	"1" ('00000001'X) Next
0	(0)	X'0'	0	ATR_UNSET_STATE	"0" ('00000000'X) Unset
0	(0)	X'1'	0	ATR_SET_STATE	"1" ('00000001'X) Set
0	(0)	X'2'	0	ATR_RESTART_STATE	"2" ('00000002'X) Restart
0	(0)	X'3'	0	ATR_RESTART_COMPLETE_STATE	"3" ('00000003'X) Restart Complete
0	(0)	X'4'	0	ATR_RUN_STATE	"4" ('00000004'X) Run
0	(0)	X'5'	0	ATR_UNSET_IN_PROGRESS_STATE	"5" ('00000005'X) Unset
0	(0)	X'6'	0	ATR_RESET_STATE	"6" ('00000006'X) Reset
0	(0)	X'7'	0	ATR_RESTART_IN_PROGRESS_STATE	"7" ('00000007'X) Restart In Progress
0	(0)	X'0'	0	ATR_PARTICIPANT	"0" ('00000000'X) participant
0	(0)	X'1'	0	ATR_LAST_AGENT	"1" ('00000001'X) last agent participant
0	(0)	X'2'	0	ATR_DSRM	"2" ('00000002'X) distributed syncpoint resource manager
0	(0)	X'3'	0	ATR_SDSRM	"3" ('00000003'X) server distributed syncpoint resource manager
0	(0)	X'0'	0	ATR_HEURISTIC_MIX	"0" ('00000000'X) heuristic-mixed
0	(0)	X'1'	0	ATR_BACKOUT_REQUIRED	"1" ('00000001'X) backout required
0	(0)	X'10'	0	ATR_BREAK_TREE	"16" ('00000010'X) break tree
0	(0)	X'11'	0	ATR_DRIVE_BACKOUT	"17" ('00000011'X) drive backout
0	(0)	X'12'	0	ATR_RESYNC_IN_PROGRESS	"18" ('00000012'X) resync in progress
0	(0)	X'13'	0	ATR_NEW_LUWID_PSH_UNACCEPTABLE	"19" ('00000013'X) new LUWID Presentation Header (PSH) unacceptable
0	(0)	X'14'	0	ATR_DRIVE_COMPLETION	"20" ('00000014'X) drive completion
0	(0)	X'15'	0	ATR_SDSRM_INITIATED	"21" ('00000015'X) SDSRM initiated syncpoint
0	(0)	X'16'	0	ATR_RESOLVED_BY_INSTALLATION	"22" ('00000016'X) UR resolved by installation
0	(0)	X'17'	0	ATR_TERM_SYNCPOINT	"23" ('00000017'X) Terminating syncpoint
0	(0)	X'18'	0	ATR_COMMITTED	"24" ('00000018'X) UR was committed
0	(0)	X'20'	0	ATR_IMMEDIATE_BACKOUT	"32" ('00000020'X) Immediate backout
0	(0)	X'21'	0	ATR_APPL_COMPLETE	"33" ('00000021'X) Application Complete
0	(0)	X'22'	0	ATR_RESET_APPL_COMPLETE	"34" ('00000022'X) Reset Application Complete
0	(0)	X'23'	0	ATR_SI_LOCAL_MODE	"35" ('00000023'X) Local Transaction Mode
0	(0)	X'24'	0	ATR_SI_GLOBAL_MODE	"36" ('00000024'X) Global Transaction Mode
0	(0)	X'0'	0	ATR_SIDE_VALUE_NOT_SET	"0" ('00000000'X) Side value not set
0	(0)	X'1'	0	ATR_SIDE_VALUE_SET	"1" ('00000001'X) Side value set
0	(0)	X'0'	0	ATR_PRESUMED_NOTHING	"0" ('00000000'X) presumed nothing
0	(0)	X'1'	0	ATR_PRESUMED_ABORT	"1" ('00000001'X) presumed abort
0	(0)	X'0'	0	ATR_NORMAL_INTEREST	"0" ('00000000'X) Normal expression of interest
0	(0)	X'1'	0	ATR_RESTART_INTEREST	"1" ('00000001'X) Restart expression of interest
0	(0)	X'0'	0	ATR_IN_RESET	"0" ('00000000'X) In_Reset
0	(0)	X'1'	0	ATR_IN_FLIGHT	"1" ('00000001'X) In_Flight

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'2'	0	ATR_IN_STATE_CHECK	"2" ('00000002'X) In_State_Check
0	(0)	X'3'	0	ATR_IN_PREPARE	"3" ('00000003'X) In_Prepare
0	(0)	X'4'	0	ATR_IN_DOUBT	"4" ('00000004'X) In_Doubt
0	(0)	X'5'	0	ATR_IN_COMMIT	"5" ('00000005'X) In_Commit
0	(0)	X'6'	0	ATR_IN_BACKOUT	"6" ('00000006'X) In_Backout
0	(0)	X'7'	0	ATR_IN_END	"7" ('00000007'X) In_End
0	(0)	X'8'	0	ATR_IN_ONLY_AGENT	"8" ('00000008'X) In_Only_Agent
0	(0)	X'9'	0	ATR_IN_COMPLETION	"9" ('00000009'X) In_Completion
0	(0)	X'A'	0	ATR_FORGOTTEN	"10" ('0000000A'X) Forgotten
0	(0)	X'B'	0	ATR_IN_FORGET	"11" ('0000000B'X) In_Forget
0	(0)	X'C'	0	ATR_PREFLIGHT	"12" ('0000000C'X) Preflight
0	(0)	X'A'	0	ATR_MIN_LUWID_LENGTH	"10" ('0000000A'X) Minimum LUWID length
0	(0)	X'C'	0	ATR_MIN_EID_LENGTH	"12" ('0000000C'X) Minimum EID length
0	(0)	X'D'	0	ATR_MIN_XID_LENGTH	"13" ('0000000D'X) Minimum XID length
0	(0)	X'1A'	0	ATR_MAX_LUWID_LENGTH	"26" ('0000001A'X) Maximum LUWID length
0	(0)	X'2C'	0	ATR_MAX_EID_LENGTH	"44" ('0000002C'X) Maximum EID length
0	(0)	X'8C'	0	ATR_MAX_XID_LENGTH	"140" ('0000008C'X) Maximum XID length
0	(0)	X'0'	0	ATR_LUWID	"0" ('00000000'X) LU 6.2 logical unit of work ID
0	(0)	X'1'	0	ATR_EID	"1" ('00000001'X) Enterprise identifier
0	(0)	X'2'	0	ATR_XID	"2" ('00000002'X) X/Open identifier
0	(0)	X'1'	0	ATRXVERSION1	"1" ('00000001'X) Version number
0	(0)	X'40'	0	ATR_MAX_RM_LOGNAME_LENGTH	"64" ('00000040'X) Maximum length of an RM logname
0	(0)	X'1000'	0	ATR_MAX_PDATA_LENGTH	"4096" ('00001000'X) Maximum persistent data length
0	(0)	X'2000'	0	ATR_8K_RM_METADATA_LENGTH	"8192" ('00002000'X) The length of 8K worth of data
0	(0)	X'2000'	0	ATR_MAX_RM_METADATA_LENGTH	"8192" ('00002000'X) Maximum length of the RM MetaData
0	(0)	X'0'	0	ATR_STANDARD_STATES	"0" ('00000000'X) Standard states
0	(0)	X'1'	0	ATR_EXTENDED_STATES	"1" ('00000001'X) Extended states
0	(0)	X'0'	0	ATR_NO_FAMILY	"0" ('00000000'X) UR is not to be cascaded
0	(0)	X'1'	0	ATR_CASCADED	"1" ('00000001'X) UR is a cascaded-UR
0	(0)	X'0'	0	ATR_NOT_SET	"0" ('00000000'X) Remove setting
0	(0)	X'1'	0	ATR_COMMIT_ACTION	"1" ('00000001'X) Commit any UR's
0	(0)	X'2'	0	ATR_ROLLBACK_ACTION	"2" ('00000002'X) Rollback any UR's
0	(0)	X'0'	0	ATR_ENVIRONMENT_NOT_SET	"0" ('00000000'X) Environment was not set
0	(0)	X'1'	0	ATR_GLOBAL_MODE	"1" ('00000001'X) Unit of recovery=Global
0	(0)	X'2'	0	ATR_LOCAL_MODE	"2" ('00000002'X) Unit of recovery=Local
0	(0)	X'3'	0	ATR_HYBRID_GLOBAL_MODE	"3" ('00000003'X) Unit of recovery=Hybrid
0	(0)	X'1'	0	ATR_ADDRESS_SPACE_SCOPE	"1" ('00000001'X) address space env scope
0	(0)	X'2'	0	ATR_CONTEXT_SCOPE	"2" ('00000002'X) context env scope
0	(0)	X'3'	0	ATR_DEFAULT_SCOPE	"3" ('00000003'X) UR env scope
0	(0)	X'1'	0	ATR_TRAN_MODE_SETTING	"1" ('00000001'X) transaction mode
0	(0)	X'2'	0	ATR_NORM_CTX_END_SETTING	"2" ('00000002'X) end context action

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'1'	0	ATR_UNPROTECTED_SETTING	"1" ('00000001'X) setting is not protected
0	(0)	X'2'	0	ATR_PROTECTED_SETTING	"2" ('00000002'X) Setting is protected

Comment

Mask constants for ATTRUSF

ATTRUSF returns information about the UR by setting selected bits in a 4-byte field. Some bits are not used. Here is a map of what bits are used.

0000 0000 0000 0mmm 0000 000r 0ccc 0www

Legend:

0 = Bit is not used.

m = Used to provide info about the UR's mode

r = Used to say whether UR_State = in_reset

c = Used to say how many interests exist

w = Used to say who must coordinate

End of Comment

0	(0)	X'1'	0	ATR_NO_INTERESTS_MASK	"1" ('00000001'X) No interests in the UR
0	(0)	X'2'	0	ATR_RM_COORD_OK_MASK	"2" ('00000002'X) One interests in the UR
0	(0)	X'4'	0	ATR_RRS_MUST_COORD_MASK	"4" ('00000004'X) More than one interest in the UR

Comment

Bits used to say how many interests exist.

End of Comment

0	(0)	X'10'	0	ATR_ZERO_INTEREST_COUNT_MASK	"16" ('00000010'X) For Attrusf1 callers. There are no interests in the current UR. This information is returned if the caller specifies the ATR_INTEREST_COUNT_MASK in the side_information_options.
0	(0)	X'20'	0	ATR_ONE_INTEREST_COUNT_MASK	"32" ('00000020'X) For Attrusf1 callers. Only one resource manager has expressed only one interest in the UR. This information is returned if the caller specifies the ATR_INTEREST_COUNT_MASK in the side_information_options.
0	(0)	X'40'	0	ATR_MULTIPLE_INTEREST_COUNT_MASK	"64" ('00000040'X) For Attrusf1 callers. There are two or more interests in the UR: Either 1 RM has multiple interests, or multiple RMs have one or more interests. This information is returned if the caller specifies the ATR_INTEREST_COUNT_MASK in the side_information_options.
0	(0)	X'200'	0	ATR_UR_CASCADED_MASK	"512" ('00000200'X) For Attrusf1/Attr4rusf callers. When set, the UR is a cascaded UR, regardless if the UR is a parent or a child UR, or if the transaction is locally or sysplex cascaded. If this bit is set, the ATR_RRS_MUST_COORD_MASK indicator will also be set to indicate RRS must coordinate the syncpoint. This information is returned if the caller specifies the ATR_CASCADED_TRANSACTION_MASK in the side_information_options.

Comment

Bit used to say whether UR_State = in_reset

End of Comment

0	(0)	X'100'	0	ATR_UR_STATE_IN_RESET_MASK	"256" ('0000100'X) When set, the UR is in In-Reset state. Otherwise, the state is In-Flight or beyond
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Comment

Bits used to provide info about mode

End of Comment

0	(0)	X'10000'	0	ATR_GLOBAL_MODE_MASK	"65536" ('00010000'X) UR transaction mode is Global
0	(0)	X'20000'	0	ATR_LOCAL_MODE_MASK	"131072" ('00020000'X) UR transaction mode is Local
0	(0)	X'40000'	0	ATR_HYBRID_GLOBAL_MODE_MASK	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'1'	0	ATR_INTEREST_COUNT_MASK	"262144" ('00040000'X) UR transaction mode is Global, however resource managers may exhibit proprietary transactional behaviors.
0	(0)	X'2'	0	ATR_CASCADED_TRANSACTION_MASK	"1" ('00000001'X) For Attrusrf1 callers. An RM uses this mask to set input parameter side_information_options. When side_information_options = 1, it means RRS should tell the caller if there are 0 interests, 1 interest, or more than 1 interest in the UR associated with the input context. "2" ('00000002'X) For Attrusrf1/Attr4rusf callers on systems where the ATRPre_PrepExitSupport flag is on in ATRINST. A resource manager specifies this mask to request RRS to return the cascaded transaction information for the UR associated with the specified context.
Comment					
Mask constants for ATRADCT1					
End of Comment					
0	(0)	X'0'	0	ATR_STANDARD_COMMIT_MASK	"0" ('00000000'X) The SDSRM wants RRS to perform a normal delegated commit processing (NOT remove its interest)
0	(0)	X'0'	0	ATR_REMOVE_SDSRM_INTEREST_MASK	"268435456" ('10000000'X) The SDSRM wants RRS to remove its interest in the UR and let other resource manager(s) take responsibility for making the commit or backout decision.
Comment					
Mask constants for ATREINT5					
End of Comment					
0	(0)	X'0'	0	ATR_UNCOND_INT_MASK	"0" ('00000000'x) The resource manager is expressing unconditional interest in the UR. RRS is to create a new interest, even if the resource already has an interest in the UR.
0	(0)	X'0'	0	ATR_CONDITIONAL_INT_MASK	"268435456" ('10000000'X) The resource manager is expressing conditional interest in the UR. RRS is not to create a new interest if the resource manager already has an interest in the UR. Instead, RRS should return information about the resource managers existing interest. If the resource manager has more than one interest, the information returned will pertain to a random interest.
0	(0)	X'0'	0	ATR_UNPROT_INT_MASK	"0" ('00000000'X) The resource manager is expressing an unprotected interest in the UR.
0	(0)	X'0'	0	ATR_PROTECTED_INT_MASK	"16777216" ('01000000'X) The resource manager is expressing protected interest in the UR.
0	(0)	X'0'	0	ATR_STANDARD_FAIL_MASK	"0" ('00000000'X) The resource manager wants RRS to do its standard processing if the resource manager fails.
0	(0)	X'100000'	0	ATR_REMOVE_INT_ON_FAIL_MASK	"1048576" ('00100000'X) The resource manager wants RRS to remove its interest in the UR if the resource manager fails. One may only be specified if the resource manager is expressing unprotected interest.
0	(0)	X'0'	0	ATR_IGNORE_SUBORDINATE_FAILURE_MASK	"0" ('00000000'X) The resource manager does not want RRS to drive its subordinate failed exit.
0	(0)	X'200000'	0	ATR_NOTIFY_SUBORDINATE_FAILURE_MASK	"2097152" ('00200000'X) The resource manager wants RRS to drive its subordinate failed exit.
0	(0)	X'0'	0	ATR_COMMIT_NO_PRIORITY	"0" ('00000000'X) The resource manager does not have a tier 1 priority commit exit.
0	(0)	X'20000'	0	ATR_COMMIT_TIER_ONE_PRIORITY	"131072" ('00020000'X) The resource manager wants its commit exit driven before any SRB mode exits and tier 2 (normal) priority commit exits.
0	(0)	X'0'	0	ATR_PRESUME_NOTHING_MASK	"0" ('00000000'X) The resource manager wants RRS to treat this expression of interest as needing presume nothing logging.
0	(0)	X'10000'	0	ATR_PRESUME_ABORT_MASK	"65536" ('00010000'X) The resource manager wants RRS to treat this expression of interest as needing presume abort logging.
0	(0)	X'0'	0	ATR_CREATE_STANDARD_UR_MASK	

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'1000'	0	ATR_CREATE_CASCADED_UR_MASK	"0" ('0000000'X) RRS is not to create the UR as a cascaded UR. "4096" ('00001000'X) RRS is to create the UR as a cascaded UR. parent_ur_token specifies the UR token of the parent of the new cascaded UR. One may only be specified if the UR in which interest is being expressed is in-reset.
0	(0)	X'0'	0	ATR_DONT_END_CONTEXT_MASK	"0" ('00000000'X) RRS will not end the work context associated with the UR to which interest is being expressed when the UR completes.
0	(0)	X'100'	0	ATR_END_CONTEXT_MASK	"256" ('00000100'X) RRS will end the work context associated with the UR to which interest is being expressed when the UR completes. It is strongly recommended that this option only be used by the resource manager which owns the work context.
0	(0)	X'0'	0	ATR_STANDARD_XID_MASK	"0" ('00000000'X) RRS will do its standard XID processing.
0	(0)	X'10'	0	ATR_USE_BQUAL_MASK	"16" ('00000010'X) The expression of interest must be in a new cascaded UR and an XID must be specified. RRS will assign the new UR an XID with the same FormatId and GTRID as its parent and a BQUAL equal to the BQUAL of the XID specified. RRS will only validate and use the BQUAL and BQUAL length fields in the specified XID.
0	(0)	X'8'	0	ATR_USE_FORMATID_MASK	"8" ('00000008'X) The expression of interest must be in a new cascaded UR and an XID must be specified. RRS will assign the new UR an XID with the same GTRID as its parent and a FormatID equal to the FormatID of the XID specified. RRS will only validate and use the FormatID field in the specified XID. !
Comment					
Return Codes					
End of Comment					
0	(0)	X'0'	0	ATRX_OK	"0" ('00000000'X) Proceed with Commit.
0	(0)	X'4'	0	ATRX_OK_OUTCOME_PENDING	"4" ('00000004'X) The resource manager has completed the Commit request. However, all updates are not necessarily complete.
0	(0)	X'8'	0	ATRX_BACKOUT	"8" ('00000008'X) Back out the Commit request.
0	(0)	X'C'	0	ATRX_BACKOUT_OUTCOME_PENDING	"12" ('0000000C'X) Back out the Commit request. However, all updates are not necessarily complete.
0	(0)	X'10'	0	ATRX_FORGET	"16" ('00000010'X) Proceed with Commit. The resource manager no longer needs interest in this UR.
0	(0)	X'14'	0	ATRX_ABSTAIN	"20" ('00000014'X) Concur with commit. The resource manager does not want to influence the overall prepare vote and has no resources to update. (If the resource manager provides an END_UR exit, then RRS/MVS notifies the resource manager if the local prepare vote is FORGET.)
0	(0)	X'1C'	0	ATRX_REDRIIVE	"28" ('0000001C'X) Redrive the STATE_CHECK exits. (Intended for a resource manager which changes the state of a resource (e.g. a conversation state) which may affect other resource managers.)
0	(0)	X'20'	0	ATRX_STATE_INCORRECT	"32" ('00000020'X) Reject the Commit. The state is incorrect. (Note: This does not mean that Backout should be performed, but rather that the resource manager is not ready to perform commit processing yet.)
0	(0)	X'24'	0	ATRX_HC	"36" ('00000024'X) Heuristic commit.
0	(0)	X'28'	0	ATRX_HR	"40" ('00000028'X) Heuristic reset.
0	(0)	X'2C'	0	ATRX_HM	"44" ('0000002C'X) Heuristic-mixed.
0	(0)	X'30'	0	ATRX_LATER	"48" ('00000030'X) Post RRS/MVS later.
0	(0)	X'34'	0	ATRX_LATER_CONTINUE	"52" ('00000034'X) Post RRS/MVS later., but the Application Program (or Transaction Program) can continue processing. :rev refid=generic. If :hp2.drive completion:ehp2. has been set for the &ur via the &atrsusi. service :erev refid=generic. :rev refid=trpc. or if an resource manager has taken the server distributed syncpoint resource manager role for this unit of recovery via ATRSSPC :erev refid=trpc. this return code will be treated as if ATRX_LATER was specified instead of ATRX_LATER_CONTINUE.
0	(0)	X'38'	0	ATRX_HM_BACKOUT	"56" ('00000038'X) Heuristic-mixed backout.
0	(0)	X'3C'	0	ATRX_HM_COMMIT	"60" ('0000003C'X) Heuristic-mixed commit.
0	(0)	X'40'	0	ATRX_DEFER	"64" ('00000040'X) The resource manager request RRS to defer the exit processing for this expression of interest.
0	(0)	X'404'	0	ATRX_UNSET_RM	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'0'	0	ATR_OK	"1028" ('00000404'X) The resource manager has completed its EXIT_FAILED processing and has determined that it should be unset.
0	(0)	X'4'	0	ATR_NO_MORE_INCOMPLETE_INTERESTS	"0" ('00000000'X) Successful completion.
0	(0)	X'5'	0	ATR_PARTIAL_PERSISTENT_DATA	"4" ('00000004'X) There are no more incomplete expressions of interest for this resource manager.
0	(0)	X'6'	0	ATR_RM_LOGNAME_NOT_SET	"5" ('00000005'X) The persistent_interest_buffer_length value is less than the actual length of the persistent interest data. RRS/MVS fills the buffer with as much data as fits and returns the actual length in persistent_interest_data_length.
0	(0)	X'7'	0	ATR_REQUESTED_WID_UNAVAILABLE	"6" ('00000006'X) The resource manager has not set a resource manager logname.
0	(0)	X'8'	0	ATR_FORGET	"7" ('00000007'X) The requested work identifier has not yet been set or generated and the generate_option indicated a new work identifier should not be generated. RRS/MVS returns hex zeroes in the uwid_data field.
0	(0)	X'8'	0	ATR_RM_ALREADY_HAS_INTEREST	"8" ('00000008'X) The prepare operation completed successfully. The collective prepare vote allows the unit of recovery to be completed and all resource managers voted to abstain or forget. The unit of recovery is now In_Forget.
0	(0)	X'9'	0	ATR_PARTIAL_RM_LOGNAME	"8" ('00000008'X) The resource manager already has an expression of interest in this UR.
0	(0)	X'A'	0	ATR_PARTIAL_UWID_DATA	"9" ('00000009'X) The rm_logname_buffer_len value is less than the actual length of the RM logname. RRS/MVS fills the buffer with as much data as fits and returns the actual length in rm_logname_length.
0	(0)	X'B'	0	ATR_PARTIAL_RM_METADATA	"10" ('0000000A'X) The uwid_buffer_len value is less than the actual length of the uwid_data. RRS/MVS fills the buffer with as much data as fits and returns the actual length in uwid_len.
0	(0)	X'10'	0	ATR_OK_NO_CONTEXT	"11" ('0000000B'X) The RM_MetaData_Buffer_Len value is less than the actual length of the resource manager's metadata. RRS/MVS fills the buffer with as much data as fits and returns the actual length in RM_MetaData_Len.
0	(0)	X'11'	0	ATR_FORGET_NOT_REQUIRED	"16" ('0000010'X) The operation completed successfully, but there is no longer a context associated with the unit of recovery
0	(0)	X'65'	0	ATR_COMMITTED_OUTCOME_PENDING	"17" ('00000011'X) The forget operation is not valid since the log option was not set to ATR_Defer_Explicit
0	(0)	X'66'	0	ATR_COMMITTED_OUTCOME_MIXED	"101" ('00000065'X) The commit operation completed. The RRS/MVS decision was to advance to a consistent state. However, the state of one or more of the protected resources is not known.
0	(0)	X'C8'	0	ATR_PROGRAM_STATE_CHECK	"102" ('00000066'X) The commit operation completed. The RRS/MVS decision was to advance to a consistent state. However, one or more of the protected resources has been returned to the previous consistent state.
0	(0)	X'101'	0	ATR_ASCMODE_INV	"200" ('000000C8'X) The commit operation failed. The consistency state of the protected resources has not been altered. This return code indicates one of the following conditions has occurred: A protected resource, specifically a Communications Interface conversation, is not in Send, Send Pending, Defer Receive, Defer Allocate, Sync_Point, Sync_Point Send, or Sync_Point Deallocate state. A protected resource, specifically a local resource, is not in the proper state for a Commit.
0	(0)	X'103'	0	ATR_INTERRUPT_STATUS_INV	"257" ('00000101'X) The caller is in an unsupported ASC Mode.
0	(0)	X'104'	0	ATR_MODE_INV	"259" ('00000103'X) The caller is disabled.
0	(0)	X'105'	0	ATR_LOCKS_HELD	"260" ('00000104'X) The caller is not in task mode.
0	(0)	X'107'	0	ATR_UNSUPPORTED_RELEASE	"261" ('00000105'X) The caller is holding one or more locks.
0	(0)	X'109'	0	ATR_ENVIRONMENT_INV	"263" ('00000107'X) The release of MVS does not support this service. The service stub has been linked on a system that does not support RRS/MVS.
0	(0)	X'12C'	0	ATR_BACKED_OUT	"265" ('00000109'X) The call is performed from a suspend exit or from a PURGEDQed SRB
					"300" ('0000012C'X) The commit operation failed. All protected resources have been returned to the previous consistent state.

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'12D'	0	ATR_BACKED_OUT_OUTCOME_PENDING	"301" ('000012D'X) The commit operation failed. The RRS/MVS decision was to return to the previous consistent state. However, the state of one or more of the protected resources is not known.
0	(0)	X'12E'	0	ATR_BACKED_OUT_OUTCOME_MIXED	"302" ('000012E'X) The commit operation failed. The RRS/MVS decision was to return to the previous consistent state. However, one or more of the protected resources has advanced to a new synchronization state.
0	(0)	X'301'	0	ATR_RM_TOKEN_INV	"769" ('0000301'X) The resource_manager_token supplied is not a valid resource manager token.
0	(0)	X'361'	0	ATR_CONTEXT_TOKEN_INV	"865" ('0000361'X) The context token specified does not represent a valid context.
0	(0)	X'362'	0	ATR_STOKEN_INV	"866" ('0000362'X) The token parameter specified is incorrect. The caller is unauthorized and the token does not address the home address space.
0	(0)	X'363'	0	ATR_TRAN_MODE_INV	"867" ('0000363'X) The transaction mode option specified in the call was not valid.
0	(0)	X'364'	0	ATR_ENV_SETTING_ID_INV	"868" ('0000364'X) The caller specified an environment setting id parameter that is not valid.
0	(0)	X'365'	0	ATR_ENV_SETTING_INV	"869" ('0000365'X) The caller specified an environment setting parameter that is not valid.
0	(0)	X'366'	0	ATR_SCOPE_INV	"870" ('0000366'X) The identifier for the scope parameter specified in the call is not valid. The system rejects the service call.
0	(0)	X'36A'	0	ATR_DU_TERMINATING	"874" ('000036A'X) The dispatchable unit associated with or to be associated with the specified context is terminating.
0	(0)	X'36B'	0	ATR_ACTION_INV	"875" ('000036B'X) The value specified for the ACTION parameter is invalid.
0	(0)	X'36C'	0	ATR_PROTLEVEL_INV	"876" ('000036C'X) Program error. The value specified in the environment settings protection parameter is not valid. The system rejects the service call.
0	(0)	X'370'	0	ATR_URI_TOKEN_INV	"880" ('0000370'X) The URI_TOKEN specified does not represent a valid expression of interest. This may occur after RRS/MVS has terminated and restarted.
0	(0)	X'371'	0	ATR_INTEREST_TYPE_INV	"881" ('0000371'X) The specified interest_type value is not valid for this service.
0	(0)	X'372'	0	ATR_FAILURE_ACTION_INV	"882" ('0000372'X) The specified failure_action value is not valid.
0	(0)	X'373'	0	ATR_PREPARE_CODE_INV	"883" ('0000373'X) The specified prepare_exit_code value is not valid.
0	(0)	X'374'	0	ATR_COMMIT_CODE_INV	"884" ('0000374'X) The specified commit_exit_code value is not valid.
0	(0)	X'375'	0	ATR_TWO_PHASE_PROTOCOL_INV	"885" ('0000375'X) The specified two phase protocol value is not valid.
0	(0)	X'376'	0	ATR_PERSISTENT_DATA_LEN_INV	"886" ('0000376'X) The specified persistent interest data length is not valid.
0	(0)	X'377'	0	ATR_UWID_LEN_INV	"887" ('0000377'X) The specified uwid_len is not valid.
0	(0)	X'378'	0	ATR_EXIT_NUMBER_INV	"888" ('0000378'X) The exit number specified is not valid.
0	(0)	X'379'	0	ATR_COMP_CODE_INV	"889" ('0000379'X) The completion code specified is not valid for the exit routine being posted.
0	(0)	X'37A'	0	ATR_RM_LOGNAME_INV	"890" ('000037A'X) The resource manager logname specified is not valid.
0	(0)	X'37B'	0	ATR_RM_LOGNAME_LEN_INV	"891" ('000037B'X) The resource manager logname length specified is not valid.
0	(0)	X'37C'	0	ATR_RM_LOGNAME_BUF_LEN_INV	"892" ('000037C'X) The specified rm_logname_buffer_len is not valid.
0	(0)	X'37D'	0	ATR_PERSIS_DATA_BUF_LEN_INV	"893" ('000037D'X) The specified persistent_interest_buffer_length is not valid.
0	(0)	X'37E'	0	ATR_RETRIEVE_OPTION_INV	"894" ('000037E'X) The specified retrieve_option is not valid.
0	(0)	X'37F'	0	ATR_SET_OPTION_INV	"895" ('000037F'X) The specified set_option is not valid.
0	(0)	X'380'	0	ATR_UWID_TYPE_INV	"896" ('0000380'X) The specified uwid_type is not valid.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'381'	0	ATR_LATER_INV	"897" ('00000381'X) The specified completion_code (ATRX_LATER or ATRX_LATER_CONTINUE) is not allowed on this service.
0	(0)	X'382'	0	ATR_UWID_BUF_LEN_INV	"898" ('00000382'X) The specified uwid_buffer_len is not valid.
0	(0)	X'383'	0	ATR_SIDE_INFO_ID_INV	"899" ('00000383'X) A unit of recovery side information id in the side_info_id_array is not valid.
0	(0)	X'384'	0	ATR_RESPONSE_CODE_INV	"900" ('00000384'X) The specified response_code value is not valid.
0	(0)	X'385'	0	ATR_RESPONSE_CODE_INCORRECT	"901" ('00000385'X) The specified response_code value is not valid for this UR state.
0	(0)	X'386'	0	ATR_FAILURE_ACTION_INCORRECT	"902" ('00000386'X) The specified failure_action value is not valid for the specified interest type.
0	(0)	X'387'	0	ATR_PREPARE_CODE_INCORRECT	"903" ('00000387'X) The specified prepare_exit_code value is not valid when the UR state is In_Prepare.
0	(0)	X'388'	0	ATR_GENERATE_OPTION_INV	"904" ('00000388'X) The specified generate_option is not valid.
0	(0)	X'389'	0	ATR_PERSISTENT_DATA_NOT_ALLOWED	"905" ('00000389'X) The resource manager specified a persistent interest data length greater than zero for an unprotected expression of interest.
0	(0)	X'38A'	0	ATR_RM_METADATA_LEN_INV	"906" ('0000038A'X) The resource manager metadata length specified is not valid.
0	(0)	X'38B'	0	ATR_RM_METADATA_BUFFER_LEN_INV	"907" ('0000038B'X) The length of the resource manager metadata buffer is not valid.
0	(0)	X'38C'	0	ATR_RM_METADATA_LOG_UNAVAILABLE	"908" ('0000038C'X) A MetaData callable service failed since the resource manager MetaData log stream is not available. Check SYSLOG for messages ATR132I or ATR172E that will further explain why the log is unavailable.
0	(0)	X'38D'	0	ATR_RM_8K_METADATA_NOT_ALLOWED	"909" ('0000038D'X) The resource manager did not set the ATR_8K_RM_METADATA_REQUESTED flag on CRGSEIF so the resource manager cannot set or retrieve 8K Meta Data.
0	(0)	X'38E'	0	ATR_RM_METADATA_MISSING_DATA	"910" ('0000038E'X) When processing the RM Meta Data log stream, records were encountered that indicate there was a loss of data or a gap in the log stream. If Meta Data was stored for the RM, it cannot be found. Check SYSLOG for messages ATR202D and ATR212I that will further explain the error.
0	(0)	X'390'	0	ATR_ROLE_INV	"912" ('00000390'X) The specified role is not valid.
0	(0)	X'391'	0	ATR_MULTIPLE_INTEREST_OPTION_INV	"913" ('00000391'X) The specified multiple_interest_option is not valid.
0	(0)	X'392'	0	ATR_ELEMENT_COUNT_INV	"914" ('00000392'X) The specified element_count is not valid.
0	(0)	X'393'	0	ATR_LUWID_DATA_INV	"915" ('00000393'X) The LUWID specified in uwid_data is not valid. The first byte of this data must contain a valid length of an LU name (a value from 1 to 17).
0	(0)	X'394'	0	ATR_BACKOUT_CODE_INV	"916" ('00000394'X) The specified backout_exit_code value is not valid.
0	(0)	X'395'	0	ATR_LOG_OPT_INV	"917" ('00000395'X) The specified log_option value is not valid.
0	(0)	X'396'	0	ATR_FLIGHT_OPTION_INV	"918" ('00000396'X) The specified flight_option is not valid.
0	(0)	X'397'	0	ATR_XID_DATA_INV	"919" ('00000397'X) The xid specified in uwid_data is not valid. The computed length of the XID does not match the specified length passed via the uwid_len parameter
0	(0)	X'398'	0	ATR_STATES_OPTION_INV	"920" ('00000398'X) The specified states_option is not valid.
0	(0)	X'399'	0	ATR_UR_FAMILY_OPTION_INV	"921" ('00000399'X) The UR family option specified in the call is not valid
0	(0)	X'39A'	0	ATR_PARENT_UR_TOKEN_INV	"922" ('0000039A'X) The UR token specified in the parent_ur_token parameter is not valid
0	(0)	X'39B'	0	ATR_CHILD_CONTEXT_TOKEN_INV	"923" ('0000039B'X) The context token specified in the child_context_token parameter is not valid
0	(0)	X'39C'	0	ATR_XID_LENGTH_INV	"924" ('0000039C'X) The XID length specified in the call is not valid
0	(0)	X'39D'	0	ATR_XID_INV	"925" ('0000039D'X) The XID specified in the call is not valid

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'39E'	0	ATR_PARENT_DU_TERMINATING	"926" ('0000039E'X) The task associated with the UR specified by the parent_ur_token parameter is ending
0	(0)	X'39F'	0	ATR_CHILD_DU_TERMINATING	"927" ('0000039F'X) The task associated with the UR specified by the parent_ur_token parameter is ending
0	(0)	X'3A0'	0	ATR_SAME_CURRENT_CONTEXT_INV	"928" ('000003A0'X) The UR token specified in the parent_ur_token parameter and the context token specified in the child_context_parameter are zero
0	(0)	X'3A1'	0	ATR_SAME_PARENT_CONTEXT_INV	"929" ('000003A1'X) The UR token specified in the parent_ur_token parameter is 0. The current context associated with the parent UR and the context represented by child_context_token is the same
0	(0)	X'3A2'	0	ATR_SAME_CHILD_CONTEXT_INV	"930" ('000003A2'X) The child context token specified in the child_context_token parameter is 0. The current context associated with the child and the context represented by the parent_ur_token is the same
0	(0)	X'3A3'	0	ATR_UR_TOKEN_INV	"931" ('000003A3'X) The UR token specified in the call does not identify a valid UR
0	(0)	X'3A4'	0	ATR_PARENT_AUTH_FAILURE	"932" ('000003A4'X) The caller, which is PKM 8-15 problem state, specified a parent UR token of a UR associated with a context which does not belong to a PKM 8-15 problem state resource manager registered in the home address space and which is not a native context in the home address space.
0	(0)	X'3A5'	0	ATR_CHILD_AUTH_FAILURE	"933" ('000003A5'X) The caller, which is PKM 8-15 problem state, specified a child context token of a context which does not belong to a PKM 8-15 problem state resource manager registered in the home address space and which is not a native context in the home address space.
0	(0)	X'3A6'	0	ATR_PET_INV	"934" ('000003A6'X) The PET specified in the call is not valid.
0	(0)	X'3A7'	0	ATR_PET_OUTDATED	"935" ('000003A7'X) The PET specified in the call is outdated.
0	(0)	X'3A8'	0	ATR_PET_AUTH_FAILURE	"936" ('000003A8'X) An unauthorized caller tried to use an authorized PET
0	(0)	X'3A9'	0	ATR_PET_SPACE_FAILURE	"937" ('000003A9'X) An unauthorized caller tried to use a PET belonging to a different address space
0	(0)	X'3AA'	0	ATR_PET_NOT_ASSOCIATED	"938" ('000003AA'X) The specified PET does not represent a Pause Element associated with the specified UR
0	(0)	X'3AB'	0	ATR_AUTH_FAILURE	"939" ('000003AB'X) The caller, which is PKM 8-15 problem state, specified a UR token of a UR associated with a context which does not belong to a PKM 8-15 problem state resource manager registered in the home address space and which is not a native context in the home address space.
0	(0)	X'3AC'	0	ATR_INTEREST_OPTIONS_INV	"940" ('000003AC'X) (940) The interest-options value specified in the call is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3AD'	0	ATR_CREATE_OPTIONS_INV	"941" ('000003AD'X) (940) The create-options value specified in the call is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3AE'	0	ATR_COMMIT_OPTIONS_INV	"942" ('000003AE'X) The specified commit_options value is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3AF'	0	ATR_SIDE_INFORMATION_OPTIONS_INVALID	"943" ('000003AF'X) For Atrusrf1 callers. The specified side_information_options value is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3B0'	0	ATR_XID_EXISTS	"944" ('000003B0'X) Program error. The resource manager specified an XID when the UR already had an XID. The system rejects the service call. UR-Token.
0	(0)	X'3B1'	0	ATR_SUBORDINATE_FAILED_EXIT_NOT_DEFINED	"945" ('000003B1'X) Program error. The resource manager specified a subordinate failed exit be driven, but did not provide the exit. The system rejects the service call.
0	(0)	X'3B2'	0	ATR_SUBORDINATE_FAILED_EXIT_INV	"946" ('000003B2'X) Program error. The resource manager specified a subordinate failed exit be driven, but is expressing interest in a cascaded UR. The system rejects the service call.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'3B3'	0	ATR_COMMIT_TIER_ONE_SRB_INV	"947" ('000003B3'X) Program error. The resource manager specified a Tier 1 request for an SRB Commit Exit routine. The system rejects the service call.
0	(0)	X'3B4'	0	ATR_AUTH_FAILURE_RETRIEVE_OPTION	"948" ('000003B4'X) The caller, which is PKM 8-15 problem state, specified a retrieve_option not equal to ATR_CURRENT. Only ATR_CURRENT can be specified when the caller is PKM 8-15 problem state. To use other retrieve_option's the caller must be PKM allowing key 0-7, or supervisor state.
0	(0)	X'3B5'	0	ATR_AUTH_FAILURE_GENERATE_OPTION	"949" ('000003B5'X) The caller, which is PKM 8-15 problem state, specified a generate_option not equal to ATR_DO_NOT_GENERATE. Only ATR_DO_NOT_GENERATE can be specified when the caller is PKM 8-15 problem state. To use other retrieve_option's the caller must be PKM allowing key 0-7, or supervisor state.
0	(0)	X'3B7'	0	ATR_COMMIT_TIER_ONE_MISMATCH	"951" ('000003B7'X) Program error. The resource manager expressed interest conditionally and an expression of interest already exists. The Tier level specified by the RM does not match the tier level already set in that interest. The system rejects the service call.
0	(0)	X'701'	0	ATR_RM_STATE_ERROR	"1793" ('00000701'X) The Resource Manager is not in a valid state to complete the request.
0	(0)	X'702'	0	ATR_RM_EXITS_UNSET	"1794" ('00000702'X) RRS/MVS has unset the RRS/MVS exit routines for this resource manager.
0	(0)	X'730'	0	ATR_NOT_PROTECTED_INTEREST	"1840" ('00000730'X) The URI_TOKEN specified does not represent a protected expression of interest.
0	(0)	X'731'	0	ATR_UR_STATE_ERROR	"1841" ('00000731'X) The unit of recovery is not in a valid state to complete the request.
0	(0)	X'732'	0	ATR_NO_DIST_SYNC_EXIT	"1842" ('00000732'X) The resource manager attempted to set the distributed syncpoint resource manager role, but did not set a DISTRIBUTED_SYNCPOINT exit.
0	(0)	X'733'	0	ATR_SSPC_ROLE_ERROR_DSRRM	"1843" ('00000733'X) A resource manager has already invoked ATRSSPC for the distributed_syncpoint_resource_manager role for this UR. This expression of interest is not allowed to assume the requested role for this UR.
0	(0)	X'734'	0	ATR_SSPC_ROLE_ERROR_LAST_AGENT	"1844" ('00000734'X) A resource manager has already invoked ATRSSPC for the last_agent_participant role for this UR. This expression of interest is not allowed to assume the requested role for this UR.
0	(0)	X'735'	0	ATR_UWID_ALREADY_SET	"1845" ('00000735'X) The requested unit of work ID has already been set for this UR.
0	(0)	X'736'	0	ATR_SROI_ALREADY_DONE	"1846" ('00000736'X) The resource manager has already successfully invoked ATRSROI for this URI_TOKEN.
0	(0)	X'738'	0	ATR_RM_ATTR_INCORRECT	"1848" ('00000738'X) The resource manager did not set all the exits via the CRGSEIF service which are required for its incomplete expressions of interest in URs. The resource manager has incomplete interest in a UR with the distributed syncpoint resource manager role, but the resource manager did not set a DISTRIBUTED_SYNCPOINT exit via CRGSEIF.
0	(0)	X'739'	0	ATR_PROTECTED_INTEREST	"1849" ('00000739'X) The URI_TOKEN specified represents a protected expression of interest.
0	(0)	X'73A'	0	ATR_RESTART_INCOMPLETE	"1850" ('0000073A'X) The resource manager has not obtained all of its incomplete UR expressions of interest.
0	(0)	X'73C'	0	ATR_AFTER_NEW_UR	"1852" ('0000073C'X) The resource manager has previously returned the ATRX_LATER_CONTINUE return code from an exit routine for this expression of interest. The requested function is not supported after that point for this expression of interest.
0	(0)	X'73D'	0	ATR_INV_FOR_RESTART_INTEREST	"1853" ('0000073D'X) The URI_TOKEN specified represents a restart expression of interest and the requested function is not supported for a restart expression of interest.
0	(0)	X'73E'	0	ATR_NO_COMPLETION_EXIT_SET	"1854" ('0000073E'X) The resource manager requested that COMPLETION exits be driven when it does not have any COMPLETION exit
0	(0)	X'73F'	0	ATR_LUWID_NOT_AVAILABLE	

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'740'	0	ATR_POST_NOT_PENDING	"1855" ('0000073F'X) The current LUWID for the specified unit of recovery is not available. The LUWID for a unit of recovery created by the use of ATRSROI is not available until the previous unit of recovery has reached In_Completion state.
0	(0)	X'741'	0	ATR_NOT_RETRIEVED_INTEREST	"1856" ('00000740'X) RRS/MVS is not expecting a post for any asynchronous work associated with this exit_number for this expression of interest.
0	(0)	X'742'	0	ATR_RESPONSE_NOT_PENDING	"1857" ('00000741'X) The URI_TOKEN specified does not represent a retrieved expression of interest.
0	(0)	X'743'	0	ATR_PARENT_UR_STATE_ERROR	"1858" ('00000742'X) RRS/MVS is not expecting a response for this retrieved expression of interest.
0	(0)	X'744'	0	ATR_CHILD_UR_STATE_ERROR	"1859" ('00000743'X) The UR specified by the parent UR token is not in a valid state for the service call.
0	(0)	X'745'	0	ATR_AFTER_IN_PREPARE	"1860" ('00000744'X) The UR associated with the specified context token is not in a valid state for the service call.
0	(0)	X'746'	0	ATR_ROLE_INCORRECT	"1861" ('00000745'X) The UR state has progressed beyond In_Prepare. This service cannot be invoked to set ATR_BACKOUT_REQUIRED at any time after that point for this expression of interest.
0	(0)	X'747'	0	ATR_TERMINATING_SYNCPOINT	"1862" ('00000746'X) The URI_TOKEN specified does not represent a protected expression of interest. The resource manager attempted to set a role (ATR_SDSRM, ATR_DSRM, or ATR_LAST_AGENT) which is only valid for a protected expression of interest.
0	(0)	X'748'	0	ATR_RM_IS_THE_SDSRM	"1863" ('00000747'X) RRS/MVS is processing a terminating syncpoint so there cannot be any more new URs for this context.
0	(0)	X'748'	0	ATR_GEN_NOT_ALLOWED_NO_LUNAME	"1864" ('00000748'X) The resource manager issuing this request is the SDSRM for this UR, and RRS does not permit the SDSRM to issue the ATRSROI service.
0	(0)	X'749'	0	ATR_MAX_UR_LOG_DATA_EXCEEDED	"1864" ('00000748'X) The resource manager did not set an LU Name on CRGSEIF so the resource manager cannot tell RRS/MVS to generate a LUWID.
0	(0)	X'74A'	0	ATR_NOT_SERVER_DSRM	"1865" ('00000749'X) The maximum amount of data which can be logged for a unit of recovery will be exceeded if this request is accepted.
0	(0)	X'74B'	0	ATR_SSPC_ROLE_ERROR_SERVER_DSRM	"1866" ('0000074A'X) The resource manager does not have the server distributed syncpoint resource manager role for the unit of recovery
0	(0)	X'74C'	0	ATR_SDSRM_DISALLOWS_COMMIT	"1867" ('0000074B'X) A resource manager has already invoked ATRSSPC for the server_distributed_syncpoint_resource_manager role for this UR. This expression of interest is not allowed to assume the requested role for this UR.
0	(0)	X'74D'	0	ATR_GEN_NOT_ALLOWED_EID	"1868" ('0000074C'X) A resource manager involved in this unit of recovery has taken the server distributed syncpoint resource manager role. Only it may initiate the syncpoint operation for this unit of recovery
0	(0)	X'74E'	0	ATR_SET_NEXT_EID_INV	"1869" ('0000074D'X) Generating Enterprise identifier is not supported.
0	(0)	X'74F'	0	ATR_ROLE_CHANGE_AFTER_SYNC	"1870" ('0000074E'X) Setting the next Enterprise identifier is not supported.
0	(0)	X'750'	0	ATR_RESPOND_CONTINUE_REQUIRED	"1871" ('0000074F'X) The role of an expression of interest cannot be changed once a syncpoint operation has begun.
0	(0)	X'751'	0	ATR_GEN_REQUIRED_XID	"1872" ('00000750'X) ATRIRRI must be issued to inform RRS to continue the RM interest processing before this service can be issued against the interest.
0	(0)	X'752'	0	ATR_SET_NEXT_XID_INV	"1873" ('00000751'X) A generating option is required for an X/Open identifier.
0	(0)	X'753'	0	ATR_GEN_NOT_ALLOWED_NO_URI_TOKEN	"1874" ('00000752'X) Setting the next X/Open identifier is not supported.
0	(0)	X'754'	0	ATR_RETRIEVE_NEXT_EID_INV	"1875" ('00000753'X) The resource manager did not specify an URI token, so RRS is not able to generate a LUWID. The system rejects the service call.
0	(0)	X'755'	0	ATR_RETRIEVE_NEXT_XID_INV	"1876" ('00000754'X) Retrieving the next Enterprise identifier is not supported.
0	(0)	X'756'	0	ATR_CASCADED_UR_DISALLOWS_COMMIT	"1877" ('00000755'X) Retrieving the next X/Open identifier is not supported.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'757'	0	ATR_ID_CONFLICT	"1878" ('00000756'X) This current UR is a child cascaded-UR. Only the top-level UR of a cascaded-UR family can be committed.
0	(0)	X'758'	0	ATR_APPL_COMPLETE_INV	"1879" ('00000757'X) Information identifiers specified on the call conflict with each other
0	(0)	X'759'	0	ATR_ROLE_ERROR_CASCADED_UR	"1880" ('00000758'X) The specified UR cannot be set as application complete or not application complete
0	(0)	X'760'	0	ATR_CASCADED_UR	"1881" ('00000759'X) The specified UR is a cascaded UR. Only the participant role is valid.
0	(0)	X'761'	0	ATR_APPL_COMPLETE_INV_STATE	"1888" ('00000760'X) The specified UR is a cascaded UR. Interest can not be retained in a cascaded UR
0	(0)	X'762'	0	ATR_PRESUMED_NOTHING_INVALID	"1889" ('00000761'X) The specified UR cannot be set as application-complete or not application-complete, because the UR is not in a valid state
0	(0)	X'763'	0	ATR_NO_CASCADE_TO_PARENT	"1890" ('00000762'X) The specified URI has an invalid two-phase commit protocol selected PRESUMED_NOTHING is not allowed.
0	(0)	X'763'	0	ATR_PARENT_LOCAL_TRAN_MODE_INV	"1891" ('00000763'X) The parent unit of recovery is in local transaction mode. This service is only valid for global transaction mode URs.
0	(0)	X'764'	0	ATR_LOCAL_TRAN_MODE_INV	"1892" ('00000764'X) The current transaction mode is local. This service is only valid for global transaction mode URs.
0	(0)	X'765'	0	ATR_NO_LUWID_GEN_FOR_UR	"1893" ('00000765'X) The request to generate a LUWID is not valid for local transactions. The system rejects this service.
0	(0)	X'765'	0	ATR_GEN_LUWID_NOT_ALLOWED_LOCAL	"1894" ('00000766'X) The identifier (or one of the identifiers) specified by the side_info_id array is not permitted when the UR is in local transaction mode.
0	(0)	X'766'	0	ATR_NO_SIDE_INFO_FOR_UR	"1895" ('00000767'X) The request to generate a XID is not valid for local transactions. The system rejects this service.
0	(0)	X'766'	0	ATR_SIDE_INFO_ID_LOCAL_INV	"1897" ('00000769'X) The request to set an XID for a cascaded UR failed because the FORMATIDs or GTRIDs do not match those of the parent UR
0	(0)	X'767'	0	ATR_NO_XID_GEN_FOR_UR	"2049" ('00000801'X) Program Error. An unauthorized caller has attempted to change a setting that was protected by an authorized caller. The system rejects the service call.
0	(0)	X'767'	0	ATR_GEN_XID_NOT_ALLOWED_LOCAL	"2050" ('00000802'X) Program Error. The token parameter specified is incorrect. The caller specified a scope parameter of either ATR_CONTEXT_SCOPE or ATR_DEFAULT_SCOPE and the token specified is not zero. The system rejects the service call.
0	(0)	X'769'	0	ATR_XID_NO_GLOBAL_MATCH	"2051" ('00000803'X) Program Error. The context_token parameter specified is incorrect. Environment setting scope was atr_address_space_scope and the context_token was not zero (0). The system rejects the service call.
0	(0)	X'801'	0	ATR_SETTING_PROTECTED	"2052" ('00000804'X) The service is not permitted if the RRS environment setting for transact_transaction_mode that applies to the unit of recovery is ATR_HYBRID_GLOBAL_MODE.
0	(0)	X'802'	0	ATR_STOKEN_NOT_ZERO	"2053" ('00000805'X) The UR token specified by the caller does not match the UR token of the current recovery.
0	(0)	X'803'	0	ATR_CTOKEN_NOT_ZERO	
0	(0)	X'804'	0	ATR_HYBRID_GLOBAL_MODE_ERROR	
0	(0)	X'805'	0	ATR_CUR_UR_TOKEN_NOT_CURRENT	
0	(0)	X'F00'	0	ATR_NOT_AVAILABLE	

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'F01'	0	ATR_HARDENED_DATA_LOST	"3840" ('0000F00'X) RRS/MVS is not available.
0	(0)	X'F02'	0	ATR_RESTART_WRONG_SYSTEM	"3841" ('0000F01'X) RRS/MVS has lost hardened data. Therefore, ATRIRNI may not be able to return data for all incomplete URs for this resource manager.
0	(0)	X'F03'	0	ATR_UR_RESOLVED_BY_INSTALLATION	"3842" ('0000F02'X) The resource manager is not restarting on the proper system. The resource manager is involved in incomplete URs on another system in the sysplex.
0	(0)	X'F04'	0	ATR_UNEXPECTED_UR_ERROR	"3843" ('0000F03'X) The resource manager invoked ATRPDUE to resolve an In_Doubt UR, but the installation already resolved the UR.
0	(0)	X'F05'	0	ATR_UNEXPECTED_CTX_ERROR	"3844" ('0000F04'X) The unit of recovery being processed by the service request has suffered an unexpected error.
0	(0)	X'F06'	0	ATR_WAS_NOT_AVAILABLE	"3845" ('0000F05'X) The service request encountered an unexpected error from the CTX service, a dump from the context services should be examined.
0	(0)	X'F07'	0	ATR_RM_GROUP_RRS_DOWNLEVEL	"3846" ('0000F06'X) RRS/MVS was not available.
0	(0)	X'FFF'	0	ATR_UNEXPECTED_ERROR	"3847" ('0000F07'X) The restarting Resource Manager belong to an RM group which has utilized an RRS function which is not supported by this version of RRS. The RRS on this system is downlevel and cannot honor the request to restart at this time.
0	(0)	X'8000'	0	ATR_EXIT_PREPARE_NOT_SPECIFIED	"4095" ('0000FFF'X) The service routine encountered an unexpected error.
0	(0)	X'8001'	0	ATR_EXIT_COMMIT_NOT_SPECIFIED	"32768" ('00008000'X) The required PREPARE exit was not specified.
0	(0)	X'8002'	0	ATR_EXIT_BACKOUT_NOT_SPECIFIED	"32769" ('00008001'X) The required COMMIT exit was not specified.
0	(0)	X'8003'	0	ATR_EXIT_EXIT_FAILED_NOT_SPECIFIED	"32770" ('00008002'X) The required BACKOUT exit was not specified.
0	(0)	X'8004'	0	ATR_RM_ACTIVE_ON_ANOTHER_SYSTEM	"32771" ('00008003'X) The required EXIT_FAILED exit was not specified.
0	(0)	X'8005'	0	ATR_RM_NEW_KEY_INV	"32772" ('00008004'X) The resource manager currently has exits set with RRS/MVS on another system in the sysplex.
0	(0)	X'8006'	0	ATR_SEIF_PARM_NOT_ADDR	"32773" ('00008005'X) The key of a resource manager cannot be changed once exits are initially set with RRS/MVS.
0	(0)	X'8007'	0	ATR_EM_WRONG_STATE	"32774" ('00008006'X) The parameters passed by the caller are not addressable.
0	(0)	X'8008'	0	ATR_RM_WRONG_STATE	"32775" ('00008007'X) The exit manager is in the wrong state to process the set exits request.
0	(0)	X'8009'	0	ATR_EM_UNAVAILABLE	"32776" ('00008008'X) The resource manager is in the wrong state to set exits with RRS.
0	(0)	X'800A'	0	ATR_RM_METADATA_UNSUPPORTED	"32777" ('00008009'X) The resource manager has been unset because RRS was terminated via the SETRRS Shutdown command. Wait for RRS to become active and reset the resource manager's exit with RRS.
0	(0)	X'800A'	0	ATR_RM_METADATA_UNSUPPORTED	"32778" ('0000800A'X) The caller requested RM Metadata support, but the system does not have RM Metadata support active. RRS was not able to connect to the RM Metadata log stream. The system rejects the service request.

Comment

Declares for RRS token name/token pair

End of Comment

0	(0)	CHARACTER	16	ATR_RRS_STOKEN_NAME
0	(0)	X'1'	0	ATR_TOKEN_LEVEL_VALUE
				"1"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	ATR_STKN_TOKEN	
0	(0)	CHARACTER	8	ATR_RRS_STOKEN	
8	(8)	BITSTRING	1	ATR_TOKEN_LEVEL	
9	(9)	CHARACTER	7		

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRPETRELCODE	
0	(0)	BITSTRING	1	ATRRCODEBYTE1	Byte 1 of ATRPETRELCODE
		1...		ATRRCODENONRRS	"X'80" Someone other than RRS released this PET
		.1..		ATRRCODERRSFAILED	"X'40" This PET was released by RRS during RRS address space termination
1	(1)	BITSTRING	1	ATRRCODEBYTE2	Byte 2 of ATRPETRELCODE
		.1..		ATRRCODETERMINATINGSYNCPPOINT	"X'40" Terminating Syncpoint in progress. RRS/MVS has issued an implicit commit or backout because the context is terminating. There cannot be any more new URs for this context.
		..1.		ATRRCODERESOLVEDBYINSTALLATION	"X'20" Indicates the In-Doubt state of this UR was resolved by the installation (e.g. by forcing a COMMIT or BACKOUT decision via the RRS/MVS ISPF interface.
		...1		ATRRCODEHEURISTICMIXED	"X'10" Indicates that a Heuristic mixed condition was detected for this UR.
		.... 1..		ATRRCODERESYNCPINPROGRESS	"X'08" Indicates that a Resync-In-Progress (RIP) condition is present for this UR.
		.... .1..		ATRRCODEPREPARERESULTFORGET	"X'04" Indicates that the prepare vote for this expression of interest was ABSTAIN, and the overall prepare vote result for the UR was FORGET.
		.... ..1.		ATRRCODEIMMEDIATEBACKOUT	"X'02" Indicates that the backout operation was requested by the application and was not the result of a resource manager being unable to commit its resources
2	(2)	BITSTRING	1	ATRRCODEBYTE3	Byte 3 of ATRPETRELCODE
		1...		ATRRCODECOMMIT	"X'80" Indicates that the overall decision of this UR was to commit the UR.
		...1		ATRRCODECASCADUR	"X'10" The UR associated with this PET was a cascaded UR
		.... 11..		ATRRCODETRANSACTIONMODE	"X'0C"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR_CRGSEIF_VALUE_2	
0	(0)	BITSTRING	1	ATR_CRGSEIF_VALUE_2_BYTE1	ATR_EF_ON_LATER_WITH_ASYNC
		1...			"X'80" !
		.111 1111		ATR_EXIT_OPTS_RSRVD	"X'7F" !
0	(0)	BITSTRING	1	ATR_CRGSEIF_VALUE_2_BYTE2	ATR_SUPPORTS_LOCAL_TRAN_MODE
		1...			"X'80" !
		.1..		ATR_8K_RM_METADATA_REQUESTED	"X'40" !
		..11 1111		ATR_RM_OPTS_RSRVD	"X'3F" !
0	(0)	BITSTRING	1	ATR_CRGSEIF_VALUE_2_BYTE3	
1	(1)	BITSTRING	1	ATR_CRGSEIF_VALUE_2_BYTE4	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRXPARMLIST	
0	(0)	ADDRESS	4	ATRXPARMRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRXPARMVERSIONPTR	Address of version number
8	(8)	ADDRESS	4	ATRXPARMEXITNUMBERPTR	Address of exit number
12	(C)	ADDRESS	4	ATRXPARMRMTOKENPTR	Address of resource manager token
16	(10)	ADDRESS	4	ATRXPARMEMNAMEPTR	Address of exit manager name
20	(14)	ADDRESS	4	ATRXPARMRMGLOBALDATAPTR	Address of RM global data
24	(18)	ADDRESS	4	ATRXPARMURITOKENPTR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	ADDRESS	4	ATRXPARMNONPERSISTENTDATAPTR	Address of URI token
32	(20)	ADDRESS	4	ATRXPARMEXITFLAGSPTR	Address of persistent data length
36	(24)	ADDRESS	4	ATRXPARMVALUE1PTR	Address of exit flags
40	(28)	ADDRESS	4	ATRXPARMVALUE2PTR	Address of value1
44	(2C)	ADDRESS	4	ATRXPARMVALUE3PTR	Address of value2
48	(30)	ADDRESS	4	ATRXPARMVALUE4PTR	Address of value3
52	(34)	ADDRESS	4	ATRXPARMVALUE5PTR	Address of value4
					Address of value5

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATREINTPARMLIST	
0	(0)	ADDRESS	4	ATREINTRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINTRMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINTCONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINTURITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINTCURRCONTEXTTOKENPTR	Address of current context token
20	(14)	ADDRESS	4	ATREINTURIDPTR	Address of URID
24	(18)	ADDRESS	4	ATREINTMULTIPLEINTERESTOPTION	Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINTINTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	4	ATREINTFAILUREACTIONPTR	Address of failure action
36	(24)	ADDRESS	4	ATREINTTWOPHASEPROTOCOLPTR	Address of two phase protocol
40	(28)	ADDRESS	4	ATREINTNONPERSISTENTDATAPTR	Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINTCURRNONPDATAPTR	Address of current nonp data
48	(30)	ADDRESS	4	ATREINTPDATALLENGTHPTR	Address of persistent data length
52	(34)	ADDRESS	4	ATREINTPDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRDINTPARMLIST	
0	(0)	ADDRESS	4	ATRDINTRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRDINTURITOKENPTR	Address of URI token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4DINTPARMLIST	
0	(0)	ADDRESS	8	ATR4DINTRETURNCODEPTR	Address of return code !
8	(8)	ADDRESS	8	ATR4DINTURITOKENPTR	Address of URI token !

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRPDUEPARMLIST	
0	(0)	ADDRESS	4	ATRPDUERETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRPDUEURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRPDUEEXITNUMBERPTR	Address of exit number
12	(C)	ADDRESS	4	ATRPDUECOMPLETIONCODEPTR	Address of completion code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4PDUEPARMLIST	
0	(0)	ADDRESS	8	ATR4PDUERETURNCODEPTR	Address of return code !
8	(8)	ADDRESS	8	ATR4PDUEURITOKENPTR	Address of URI token !
16	(10)	ADDRESS	8	ATR4PDUEEXITNUMBERPTR	Address of exit number !
24	(18)	ADDRESS	8	ATR4PDUECOMPLETIONCODEPTR	Address of completion code !

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRIBRSPARMLIST	
0	(0)	ADDRESS	4	ATRIBRSRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRIBRSRMTOKENPTR	Address of resource manager token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4IBRSPARMLIST	
0	(0)	ADDRESS	8	ATR4IBRSRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4IBRSRMTOKENPTR	Address of resource manager token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRIERSPARMLIST	
0	(0)	ADDRESS	4	ATRIERSRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRIERSRMTOKENPTR	Address of resource manager token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4IERSPARMLIST	
0	(0)	ADDRESS	8	ATR4IERSRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4IERSRMTOKENPTR	Address of resource manager token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRIRNIPARMLIST	
0	(0)	ADDRESS	4	ATRIRNIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRIRNIRMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATRIRNICONTEXTTOKENPTR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	ATRIRNIURITOKENPTR	Address of context token
16	(10)	ADDRESS	4	ATRIRNIURIDPTR	Address of URI token
20	(14)	ADDRESS	4	ATRIRNIROLEPTR	Address of URID
24	(18)	ADDRESS	4	ATRIRNIURSTATEPTR	Address of role
28	(1C)	ADDRESS	4	ATRIRNIPDATABUFFERLENGTHPTR	Address of UR state
32	(20)	ADDRESS	4	ATRIRNIPDATALENGTHPTR	Address of pdata buffer length
36	(24)	ADDRESS	4	ATRIRNIPDATAPTR	Address of persistent data length
					Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4IRNIPARMLIST	
0	(0)	ADDRESS	8	ATR4IRNIRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4IRNIRMTOKENPTR	Address of resource manager token
16	(10)	ADDRESS	8	ATR4IRNICONTEXTTOKENPTR	Address of context token
24	(18)	ADDRESS	8	ATR4IRNIURITOKENPTR	Address of URI token
32	(20)	ADDRESS	8	ATR4IRNIURIDPTR	Address of URID
40	(28)	ADDRESS	8	ATR4IRNIROLEPTR	Address of role
48	(30)	ADDRESS	8	ATR4IRNIURSTATEPTR	Address of UR state
56	(38)	ADDRESS	8	ATR4IRNIPDATABUFFERLENGTHPTR	Address of pdata buffer lengt
64	(40)	ADDRESS	8	ATR4IRNIPDATALENGTHPTR	Address of persistent data length
72	(48)	ADDRESS	8	ATR4IRNIPDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRIRRIPARMLIST	
0	(0)	ADDRESS	4	ATRIRRIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRIRRIURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRIRRIRESPONSECODEPTR	Address of response code
12	(C)	ADDRESS	4	ATRIRRINONPERSISTENTDATAPTR	Address of nonpersistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4IRRIPARMLIST	
0	(0)	ADDRESS	8	ATR4IRRIRETURNCODEPTR	Address of return code !
8	(8)	ADDRESS	8	ATR4IRRIURITOKENPTR	Address of URI token !
16	(10)	ADDRESS	8	ATR4IRRIRESPONSECODEPTR	Address of response code !
24	(18)	ADDRESS	8	ATR4IRRINONPERSISTENTDATAPTR	Address of nonpersistent data !

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRIRLNPARMLIST	
0	(0)	ADDRESS	4	ATRIRLNRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRIRLNRMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATRIRLNRMLOGNAMEBUFLLENPTR	Address of RM logname buffer length
12	(C)	ADDRESS	4	ATRIRLNRMLOGNAMELENGTHPTR	Address of RM logname length
16	(10)	ADDRESS	4	ATRIRLNRMLOGNAMEPTR	Address of RM logname
20	(14)	ADDRESS	4	ATRIRLNRRSLOGNAMELENGTHPTR	Address of RRS logname length
24	(18)	ADDRESS	4	ATRIRLNRRSLOGNAMEPTR	Address of RRS logname

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4IRLNPARMLIST	
0	(0)	ADDRESS	8	ATR4IRLNRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4IRLNRMTOKENPTR	Address of resource manager token
16	(10)	ADDRESS	8	ATR4IRLNRMLOGNAMEBUFLLENPTR	Address of RM logname buffer length
24	(18)	ADDRESS	8	ATR4IRLNRMLOGNAMELENGTHPTR	Address of RM logname length
32	(20)	ADDRESS	8	ATR4IRLNRMLOGNAMEPTR	Address of RM logname
40	(28)	ADDRESS	8	ATR4IRLNRRSLOGNAMELENGTHPTR	Address of RRS logname length
48	(30)	ADDRESS	8	ATR4IRLNRRSLOGNAMEPTR	Address of RRS logname

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRISLNPARMLIST	
0	(0)	ADDRESS	4	ATRISLNRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRISLNRMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATRISLNRMLOGNAMELENGTHPTR	Address of RM logname length
12	(C)	ADDRESS	4	ATRISLNRMLOGNAMEPTR	Address of RM logname

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4ISLNPARMLIST	
0	(0)	ADDRESS	8	ATR4ISLNRETURNCODEPTR	Address of return code !
8	(8)	ADDRESS	8	ATR4ISLNRMTOKENPTR	Address of resource manager token !
16	(10)	ADDRESS	8	ATR4ISLNRMLOGNAMELENGTHPTR	Address of RM logname length !
24	(18)	ADDRESS	8	ATR4ISLNRMLOGNAMEPTR	Address of RM logname !

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRREICPARMLIST	
0	(0)	ADDRESS	4	ATRREICRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRREICCONTEXTTOKENPTR	Address of context token
8	(8)	ADDRESS	4	ATRREICINTERESTCOUNTINFOPTR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Address of interest count info

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4REICPARMLIST	
0	(0)	ADDRESS	8	ATR4REICRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4REICCONTEXTTOKENPTR	Address of context token
16	(10)	ADDRESS	8	ATR4REICINTERESTCOUNTINFOPTR	Address of interest count info

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRIDPARMLIST	
0	(0)	ADDRESS	4	ATTRIDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRIDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATTRIDNONPERSISTENTDATAPTR	Address of nonpersistent data
12	(C)	ADDRESS	4	ATTRIDPDATABUFFERLENGTHPTR	Address of pdata buffer length
16	(10)	ADDRESS	4	ATTRIDPDATALengthPTR	Address of persistent data length
20	(14)	ADDRESS	4	ATTRIDPDATAPTR	Address of persistent data
24	(18)	ADDRESS	4	ATTRIDINTERESTTYPEPTR	Address of interest type
28	(1C)	ADDRESS	4	ATTRIDEXPOFINTTYPEPTR	Address of exp of int type
32	(20)	ADDRESS	4	ATTRIDROLEPTR	Address of role

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RIDPARMLIST	
0	(0)	ADDRESS	8	ATR4RIDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RIDURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4RIDNONPERSISTENTDATAPTR	Address of nonpersistent data
24	(18)	ADDRESS	8	ATR4RIDPDATABUFFERLENGTHPTR	Address of pdata buffer length
32	(20)	ADDRESS	8	ATR4RIDPDATALengthPTR	Address of persistent data length
40	(28)	ADDRESS	8	ATR4RIDPDATAPTR	Address of persistent data
48	(30)	ADDRESS	8	ATR4RIDINTERESTTYPEPTR	Address of interest type
56	(38)	ADDRESS	8	ATR4RIDEXPOFINTTYPEPTR	Address of exp of int type
64	(40)	ADDRESS	8	ATR4RIDROLEPTR	Address of role

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRURDPARMLIST	
0	(0)	ADDRESS	4	ATTRURDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRURDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATTRURDURIDPTR	Address of URID
12	(C)	ADDRESS	4	ATTRURDURSTATEPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Address of UR state

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRUSIPARMLIST	
0	(0)	ADDRESS	4	ATTRUSIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRUSIURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATTRUSIELEMENTCOUNTPTR	Address of element count
12	(C)	ADDRESS	4	ATTRUSISIDEINFOARRAYPTR	Address of side info array
16	(10)	ADDRESS	4	ATTRUSISIDEINFOSTATEARRAYPTR	Address of side info state array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRWIDPARMLIST	
0	(0)	ADDRESS	4	ATTRWIDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRWIDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATTRWIDRETRIEVEOPTIONPTR	Address of retrieve option
12	(C)	ADDRESS	4	ATTRWIDGENERATEOPTIONPTR	Address of generate option
16	(10)	ADDRESS	4	ATTRWIDUWIDTYPEPTR	Address of uwid type
20	(14)	ADDRESS	4	ATTRWIDUWIDBUFFERLENPTR	Address of uwid buffer length
24	(18)	ADDRESS	4	ATTRWIDUWIDLLENPTR	Address of uwid length
28	(1C)	ADDRESS	4	ATTRWIDUWIDDATAPTR	Address of uwid data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSITPARMLIST	
0	(0)	ADDRESS	4	ATRSITRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSITURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSITURIDPTR	Address of URID
12	(C)	ADDRESS	4	ATRSITINTERESTTYPEPTR	Address of interest type
16	(10)	ADDRESS	4	ATRSITFAILUREACTIONPTR	Address of failure action
20	(14)	ADDRESS	4	ATRSITPDATALLENGTHPTR	Address of persistent data length
24	(18)	ADDRESS	4	ATRSITPDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SITPARMLIST	
0	(0)	ADDRESS	8	ATR4SITRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SITURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4SITURIDPTR	Address of URID
24	(18)	ADDRESS	8	ATR4SITINTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	8	ATR4SITFAILUREACTIONPTR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	ADDRESS	8	ATR4SITPDATALENGHPTR	Address of failure action
48	(30)	ADDRESS	8	ATR4SITPDATAPTR	Address of persistent data length Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSPIDPARMLIST	
0	(0)	ADDRESS	4	ATRSPIDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSPIDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSPIDPDATALENGHPTR	Address of persistent data length
12	(C)	ADDRESS	4	ATRSPIDPDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SPIDPARMLIST	
0	(0)	ADDRESS	8	ATR4SPIDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SPIDURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4SPIDPDATALENGHPTR	Address of persistent data length
24	(18)	ADDRESS	8	ATR4SPIDPDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSROI PARMLIST	
0	(0)	ADDRESS	4	ATRSROI RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSROI URITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSROI NEWURITOKENPTR	Address of new URI token
12	(C)	ADDRESS	4	ATRSROI URIDPTR	Address of URID
16	(10)	ADDRESS	4	ATRSROI INTERESTTYPEPTR	Address of interest type
20	(14)	ADDRESS	4	ATRSROI FAILUREACTIONPTR	Address of failure action
24	(18)	ADDRESS	4	ATRSROI NONPERSISTENTDATAPTR	Address of nonpersistent data
28	(1C)	ADDRESS	4	ATRSROI PDATALENGHPTR	Address of persistent data length
32	(20)	ADDRESS	4	ATRSROI PDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSROI1 PARMLIST	
0	(0)	ADDRESS	4	ATRSROI1 RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSROI1 URITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSROI1 NEWURITOKENPTR	Address of new URI token
12	(C)	ADDRESS	4	ATRSROI1 URIDPTR	Address of URID
16	(10)	ADDRESS	4	ATRSROI1 INTERESTOPTIONSPTR	Address of interest options
20	(14)	ADDRESS	4	ATRSROI1 NONPERSISTENTDATAPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	ADDRESS	4	ATRSROI1PDATALNGTHPTR	Address of nonpersistent data
28	(1C)	ADDRESS	4	ATRSROI1PDATAPTR	Address of persistent data lgth Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SROIIPARMLIST	
0	(0)	ADDRESS	8	ATR4SROIRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SROIURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4SROIENWURITOKENPTR	Address of new URI token
24	(18)	ADDRESS	8	ATR4SROIURIDPTR	Address of URID
32	(20)	ADDRESS	8	ATR4SROIINTERESTOPTIONSPTR	Address of interest options
40	(28)	ADDRESS	8	ATR4SROIINONPERSISTENTDATAPTR	Address of nonpersistent data
48	(30)	ADDRESS	8	ATR4SROI1PDATALNGTHPTR	Address of persistent data length
56	(38)	ADDRESS	8	ATR4SROI1PDATAPTR	Address of persistent data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSSPCPARMLIST	
0	(0)	ADDRESS	4	ATRSSPCRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSSPCURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSSPCPREPAREEXITCODEPTR	Address of prepare exit code
12	(C)	ADDRESS	4	ATRSSPCCOMMITEXITCODEPTR	Address of commit exit code
16	(10)	ADDRESS	4	ATRSSPCBACKOUTEXITCODEPTR	Address of backout exit code
20	(14)	ADDRESS	4	ATRSSPCROLEPTR	Address of role

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SSPCPARMLIST	
0	(0)	ADDRESS	8	ATR4SSPCRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SSPCURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4SSPCPREPAREEXITCODEPTR	Address of prepare exit code
24	(18)	ADDRESS	8	ATR4SSPCCOMMITEXITCODEPTR	Address of commit exit code
32	(20)	ADDRESS	8	ATR4SSPCBACKOUTEXITCODEPTR	Address of backout exit code
40	(28)	ADDRESS	8	ATR4SSPCROLEPTR	Address of role

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSUSIPARMLIST	
0	(0)	ADDRESS	4	ATRSUSIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSUSIURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSUSIELEMENTCOUNTPTR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	ATRSUSISIDEINFOARRAYPTR	Address of element count Address of side info array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSWIDPARMLIST	
0	(0)	ADDRESS	4	ATRSWIDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSWIDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSWIDSETOPTIONPTR	Address of set option
12	(C)	ADDRESS	4	ATRSWIDUWIDTYPEPTR	Address of uwid type
16	(10)	ADDRESS	4	ATRSWIDUWIDLENPTR	Address of uwid length
20	(14)	ADDRESS	4	ATRSWIDUWIDDATAPTR	Address of uwid data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRBACKPARMLIST	
0	(0)	ADDRESS	4	ATRBACKRETURNCODEPTR	Address of return code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4BACKPARMLIST	
0	(0)	ADDRESS	8	ATR4BACKRETURNCODEPTR	Address of return code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRCMITPARMLIST	
0	(0)	ADDRESS	4	ATRCMITRETURNCODEPTR	Address of return code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4CMITPARMLIST	
0	(0)	ADDRESS	8	ATR4CMITRETURNCODEPTR	Address of return code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRRURD1PARMLIST	
0	(0)	ADDRESS	4	ATRRURD1RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRURD1URITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRRURD1URIDPTR	Address of URID
12	(C)	ADDRESS	4	ATRRURD1URSTATEPTR	Address of UR state
16	(10)	ADDRESS	4	ATRRURD1STATESOPTIONPTR	Address of states option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRURD2PARMLIST	
0	(0)	ADDRESS	4	ATTRURD2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRURD2URORURITOKENPTR	Address of UR or URI token
8	(8)	ADDRESS	4	ATTRURD2URIDPTR	Address of URID
12	(C)	ADDRESS	4	ATTRURD2URSTATEPTR	Address of UR state
16	(10)	ADDRESS	4	ATTRURD2STATESOPTIONPTR	Address of states option
20	(14)	ADDRESS	4	ATTRURD2URTOKENPTR	Address of UR token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RURDPARMLIST	
0	(0)	ADDRESS	8	ATR4RURDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RURDURORURITOKENPTR	Address of UR or URI token
16	(10)	ADDRESS	8	ATR4RURDURIDPTR	Address of URID
24	(18)	ADDRESS	8	ATR4RURDURSTATEPTR	Address of UR state
32	(20)	ADDRESS	8	ATR4RURDSTATESOPTIONPTR	Address of states option
40	(28)	ADDRESS	8	ATR4RURDURTOKENPTR	Address of UR token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRCCUR2PARMLIST	
0	(0)	ADDRESS	4	ATRCCUR2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRCCUR2PARENTURTOKENPTR	Address of Parent UR Token
8	(8)	ADDRESS	4	ATRCCUR2CHILDCONTEXTTOKENPTR	Address of Child Context Token
12	(C)	ADDRESS	4	ATRCCUR2CHILDURTOKEN	Address of Child UR Token
16	(10)	ADDRESS	4	ATRCCUR2CHILDURID	Address of Child UR ID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRCCUR3PARMLIST	
0	(0)	ADDRESS	4	ATRCCUR3RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRCCUR3PARENTURTOKENPTR	Address of Parent UR Token
8	(8)	ADDRESS	4	ATRCCUR3CHILDCONTEXTTOKENPTR	Address of Child Context Token
12	(C)	ADDRESS	4	ATRCCUR3CHILDURTOKEN	Address of Child UR Token
16	(10)	ADDRESS	4	ATRCCUR3CHILDURID	Address of Child UR ID
20	(14)	ADDRESS	4	ATRCCUR3CREATEOPTIONS	Address of create options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4CCURPARMLIST	
0	(0)	ADDRESS	8	ATR4CCURRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4CCURPARENTURTOKENPTR	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	ADDRESS	8	ATR4CCURCHILDCONTEXTTOKENPTR	Address of Parent UR Token
24	(18)	ADDRESS	8	ATR4CCURCHILDURTOKEN	Address of Child Context Token
32	(20)	ADDRESS	8	ATR4CCURCHILDURID	Address of Child UR Token
40	(28)	ADDRESS	8	ATR4CCURCREATEOPTIONS	Address of Child UR ID Address of create options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATREINT2PARMLIST	
0	(0)	ADDRESS	4	ATREINT2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINT2RMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINT2CONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINT2URITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINT2CURRCONTEXTTOKENPTR	Address of current context token
20	(14)	ADDRESS	4	ATREINT2URIDPTR	Address of URID
24	(18)	ADDRESS	4	ATREINT2MULTIPLEINTERESTOPTION	Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT2INTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	4	ATREINT2FAILUREACTIONPTR	Address of failure action
36	(24)	ADDRESS	4	ATREINT2TWOPHASEPROTOCOLPTR	Address of two phase protocol
40	(28)	ADDRESS	4	ATREINT2NONPERSISTENTDATAPTR	Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINT2CURRNONPDATAPTR	Address of current nonp data
48	(30)	ADDRESS	4	ATREINT2PDATALLENGTHPTR	Address of persistent data length
52	(34)	ADDRESS	4	ATREINT2PDATAPTR	Address of persistent data
56	(38)	ADDRESS	4	ATREINT2XIDLENGTHPTR	Address of XID length
60	(3C)	ADDRESS	4	ATREINT2XIDPTR	Address of XID
64	(40)	ADDRESS	4	ATREINT2URFAMILYOPTIONPTR	Address of UR Family option
68	(44)	ADDRESS	4	ATREINT2PARENTURTOKENPTR	Address of parent ur token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATREINT3PARMLIST	
0	(0)	ADDRESS	4	ATREINT3RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINT3RMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINT3CONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINT3URITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINT3CURRCONTEXTTOKENPTR	Address of current context token
20	(14)	ADDRESS	4	ATREINT3URIDPTR	Address of URID
24	(18)	ADDRESS	4	ATREINT3MULTIPLEINTERESTOPTION	Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT3INTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	4	ATREINT3FAILUREACTIONPTR	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
36	(24)	ADDRESS	4	ATREINT3TWOPHASEPROTOCOLPTR	Address of failure action	
40	(28)	ADDRESS	4	ATREINT3NONPERSISTENTDATAPTR	Address of two phase protocol	
44	(2C)	ADDRESS	4	ATREINT3CURRNONPDATAPTR	Address of nonpersistent data	
48	(30)	ADDRESS	4	ATREINT3PDATALENGHPTR	Address of current nonp data	
52	(34)	ADDRESS	4	ATREINT3PDATAPTR	Address of persistent data length	
56	(38)	ADDRESS	4	ATREINT3XIDLENGHPTR	Address of persistent data	
60	(3C)	ADDRESS	4	ATREINT3XIDPTR	Address of XID length	
64	(40)	ADDRESS	4	ATREINT3DIAGAREAPTR	Address of XID	
68	(44)	ADDRESS	4	ATREINT3TRANMODEPTR	Address of diagnostic area	
					Address of transaction mode	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	ATREINT4PARMLIST		
0	(0)	ADDRESS	4	ATREINT4RETURNCODEPTR	Address of return code	
4	(4)	ADDRESS	4	ATREINT4RMOKENPTR	Address of resource manager token	
8	(8)	ADDRESS	4	ATREINT4CONTEXTOKENPTR	Address of context token	
12	(C)	ADDRESS	4	ATREINT4URITOKENPTR	Address of URI token	
16	(10)	ADDRESS	4	ATREINT4CURRCONTEXTOKENPTR	Address of current context token	
20	(14)	ADDRESS	4	ATREINT4URIDPTR	Address of URID	
24	(18)	ADDRESS	4	ATREINT4MULTIPLEINTERESTOPTION	Address of multiple interest option	
28	(1C)	ADDRESS	4	ATREINT4INTERESTTYPEPTR	Address of interest type	
32	(20)	ADDRESS	4	ATREINT4FAILUREACTIONPTR	Address of failure action	
36	(24)	ADDRESS	4	ATREINT4TWOPHASEPROTOCOLPTR	Address of two phase protocol	
40	(28)	ADDRESS	4	ATREINT4NONPERSISTENTDATAPTR	Address of nonpersistent data	
44	(2C)	ADDRESS	4	ATREINT4CURRNONPDATAPTR	Address of current nonp data	
48	(30)	ADDRESS	4	ATREINT4PDATALENGHPTR	Address of persistent data length	
52	(34)	ADDRESS	4	ATREINT4PDATAPTR	Address of persistent data	
56	(38)	ADDRESS	4	ATREINT4XIDLENGHPTR	Address of XID length	
60	(3C)	ADDRESS	4	ATREINT4XIDPTR	Address of XID	
64	(40)	ADDRESS	4	ATREINT4URFAMILYOPTIONPTR	Address of UR Family option	
68	(44)	ADDRESS	4	ATREINT4PARENTURTOKENPTR	Address of parent ur token	
72	(48)	ADDRESS	4	ATREINT4DIAGAREAPTR	Address of diagnostic area	
76	(4C)	ADDRESS	4	ATREINT4TRANMODEPTR	Address of transaction mode	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	ATREINT5PARMLIST		
0	(0)	ADDRESS	4	ATREINT5RETURNCODEPTR	Address of return code	
4	(4)	ADDRESS	4	ATREINT5RMOKENPTR		

ATTRASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	ADDRESS	4	ATREINT5CONTEXTTOKENPTR	Address of resource manager token
12	(C)	ADDRESS	4	ATREINT5URITOKENPTR	Address of context token
16	(10)	ADDRESS	4	ATREINT5URTOKENPTR	Address of URI token
20	(14)	ADDRESS	4	ATREINT5CURRCONTEXTTOKENPTR	Address of UR Itoken
24	(18)	ADDRESS	4	ATREINT5URIDPTR	Address of current context token
28	(1C)	ADDRESS	4	ATREINT5INTERESTOPTIONS	Address of URID
32	(20)	ADDRESS	4	ATREINT5NONPERSISTENTDATAPTR	Address of interest options
36	(24)	ADDRESS	4	ATREINT5CURRNONPDATAPTR	Address of nonpersistent data
40	(28)	ADDRESS	4	ATREINT5PDATALENGHPTR	Address of current nonp data
44	(2C)	ADDRESS	4	ATREINT5PDATAPTR	Address of persistent data length
48	(30)	ADDRESS	4	ATREINT5XIDLENGHPTR	Address of persistent data
52	(34)	ADDRESS	4	ATREINT5XIDPTR	Address of XID length
56	(38)	ADDRESS	4	ATREINT5PARENTURTOKENPTR	Address of XID
60	(3C)	ADDRESS	4	ATREINT5DIAGAREAPTR	Address of parent ur token
64	(40)	ADDRESS	4	ATREINT5TRANMODEPTR	Address of diagnostic area
					Address of transaction mode

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	ATR4EINTPARMLIST	
0	(0)	ADDRESS	8	ATR4EINTRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4EINTRMTOKENPTR	Address of resource manager token
16	(10)	ADDRESS	8	ATR4EINTCONTEXTTOKENPTR	Address of context token
24	(18)	ADDRESS	8	ATR4EINTURITOKENPTR	Address of URI token
32	(20)	ADDRESS	8	ATR4EINTURTOKENPTR	Address of UR Itoken
40	(28)	ADDRESS	8	ATR4EINTCURRCONTEXTTOKENPTR	Address of current context token
48	(30)	ADDRESS	8	ATR4EINTURIDPTR	Address of URID
56	(38)	ADDRESS	8	ATR4EINTINTERESTOPTIONS	Address of interest options
64	(40)	ADDRESS	8	ATR4EINTNONPERSISTENTDATAPTR	Address of nonpersistent data
72	(48)	ADDRESS	8	ATR4EINTCURRNONPDATAPTR	Address of current nonp data
80	(50)	ADDRESS	8	ATR4EINTPDATALENGHPTR	Address of persistent data length
88	(58)	ADDRESS	8	ATR4EINTPDATAPTR	Address of persistent data
96	(60)	ADDRESS	8	ATR4EINTXIDLENGHPTR	Address of XID length
104	(68)	ADDRESS	8	ATR4EINTXIDPTR	Address of XID
112	(70)	ADDRESS	8	ATR4EINTPARENTURTOKENPTR	Address of parent ur token
120	(78)	ADDRESS	8	ATR4EINTDIAGAREAPTR	Address of diagnostic area
128	(80)	ADDRESS	8	ATR4EINTTRANMODEPTR	Address of transaction mode
					Address of transaction mode

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSUSI2PARMLIST	
0	(0)	ADDRESS	4	ATRSUSI2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSUSI2URORURITOKENPTR	Address of UR or URI Token
8	(8)	ADDRESS	4	ATRSUSI2ELEMENTCOUNTPTR	Address of element count
12	(C)	ADDRESS	4	ATRSUSI2SIDEINFOARRAYPTR	Address of side info array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SUSIPARMLIST	
0	(0)	ADDRESS	8	ATR4SUSIRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SUSIURORURITOKENPTR	Address of UR or URI Token
16	(10)	ADDRESS	8	ATR4SUSIELEMENTCOUNTPTR	Address of element count
24	(18)	ADDRESS	8	ATR4SUSISIDEINFOARRAYPTR	Address of side info array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRRUSI2PARMLIST	
0	(0)	ADDRESS	4	ATRRUSI2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRUSI2URORURITOKENPTR	Address of UR or URI Token
8	(8)	ADDRESS	4	ATRRUSI2ELEMENTCOUNTPTR	Address of element count
12	(C)	ADDRESS	4	ATRRUSI2SIDEINFOARRAYPTR	Address of side info array
16	(10)	ADDRESS	4	ATRRUSI2SIDEINFOSTATEARRAYPTR	Address of side info state array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RUSIPARMLIST	
0	(0)	ADDRESS	8	ATR4RUSIRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RUSIURORURITOKENPTR	Address of UR or URI Token
16	(10)	ADDRESS	8	ATR4RUSIELEMENTCOUNTPTR	Address of element count
24	(18)	ADDRESS	8	ATR4RUSISIDEINFOARRAYPTR	Address of side info array
32	(20)	ADDRESS	8	ATR4RUSISIDEINFOSTATEARRAYPTR	Address of side info state array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSWID2PARMLIST	
0	(0)	ADDRESS	4	ATRSWID2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSWID2URORURITOKENPTR	Address of UR or URI token
8	(8)	ADDRESS	4	ATRSWID2SETOPTIONPTR	Address of set option
12	(C)	ADDRESS	4	ATRSWID2UWIDTYPEPTR	Address of uwid type
16	(10)	ADDRESS	4	ATRSWID2UWIDLENPTR	Address of uwid length
20	(14)	ADDRESS	4	ATRSWID2UWIDDATA PTR	Address of uwid data

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SWIDPARMLIST	
0	(0)	ADDRESS	8	ATR4SWIDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SWIDURORURITOKENPTR	Address of UR or URI token
16	(10)	ADDRESS	8	ATR4SWIDSETOPTIONPTR	Address of set option
24	(18)	ADDRESS	8	ATR4SWIDUWIDTYPEPTR	Address of uwid type
32	(20)	ADDRESS	8	ATR4SWIDUWIDLENPTR	Address of uwid length
40	(28)	ADDRESS	8	ATR4SWIDUWIDDATAPTR	Address of uwid data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRWID2PARMLIST	
0	(0)	ADDRESS	4	ATTRWID2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRWID2URORURITOKENPTR	Address of UR or URI token
8	(8)	ADDRESS	4	ATTRWID2RETRIEVEOPTIONPTR	Address of retrieve option
12	(C)	ADDRESS	4	ATTRWID2GENERATEOPTIONPTR	Address of generate option
16	(10)	ADDRESS	4	ATTRWID2UWIDTYPEPTR	Address of uwid type
20	(14)	ADDRESS	4	ATTRWID2UWIDBUFFERLENPTR	Address of uwid buffer length
24	(18)	ADDRESS	4	ATTRWID2UWIDLENPTR	Address of uwid length
28	(1C)	ADDRESS	4	ATTRWID2UWIDDATAPTR	Address of uwid data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RWIDPARMLIST	
0	(0)	ADDRESS	8	ATR4RWIDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RWIDURORURITOKENPTR	Address of UR or URI token
16	(10)	ADDRESS	8	ATR4RWIDRETRIEVEOPTIONPTR	Address of retrieve option
24	(18)	ADDRESS	8	ATR4RWIDGENERATEOPTIONPTR	Address of generate option
32	(20)	ADDRESS	8	ATR4RWIDUWIDTYPEPTR	Address of uwid type
40	(28)	ADDRESS	8	ATR4RWIDUWIDBUFFERLENPTR	Address of uwid buffer length
48	(30)	ADDRESS	8	ATR4RWIDUWIDLENPTR	Address of uwid length
56	(38)	ADDRESS	8	ATR4RWIDUWIDDATAPTR	Address of uwid data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSPSP2PARMLIST	
0	(0)	ADDRESS	4	ATRSPSP2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSPSP2URTOKENPTR	Address of UR token
8	(8)	ADDRESS	4	ATRSPSP2PETOKENPTR	Address of PE token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRDPSPPARMLIST	
0	(0)	ADDRESS	4	ATRDPSP2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRDPSP2URTOKENPTR	Address of UR token
8	(8)	ADDRESS	4	ATRDPSP2PETOKENPTR	Address of PE token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SPSPPARMLIST	
0	(0)	ADDRESS	8	ATR4SPSPRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SPSPURTOKENPTR	Address of UR token
16	(10)	ADDRESS	8	ATR4SPSPPETOKENPTR	Address of PE token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4DPSPPARMLIST	
0	(0)	ADDRESS	8	ATR4DPSPRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4DPSPURTOKENPTR	Address of UR token
16	(10)	ADDRESS	8	ATR4DPSPPETOKENPTR	Address of PE token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATREINT1PARMLIST	
0	(0)	ADDRESS	4	ATREINT1RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINT1RMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINT1CONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINT1URITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINT1CURRCONTEXTTOKENPTR	Address of current context token
20	(14)	ADDRESS	4	ATREINT1URIDPTR	Address of URID
24	(18)	ADDRESS	4	ATREINT1MULTIPLEINTERESTOPTION	Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT1INTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	4	ATREINT1FAILUREACTIONPTR	Address of failure action
36	(24)	ADDRESS	4	ATREINT1TWOPHASEPROTOCOLPTR	Address of two phase protocol
40	(28)	ADDRESS	4	ATREINT1NONPERSISTENTDATAPTR	Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINT1CURRNONPDATAPTR	Address of current nonp data
48	(30)	ADDRESS	4	ATREINT1PDATALLENGTHPTR	Address of persistent data length
52	(34)	ADDRESS	4	ATREINT1PDATAPTR	Address of persistent data
56	(38)	ADDRESS	4	ATREINT1XIDLENGTHPTR	Address of XID length
60	(3C)	ADDRESS	4	ATREINT1XIDPTR	Address of XID

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRABCKPARMLIST	
0	(0)	ADDRESS	4	ATRABCKRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRABCKURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRABCKLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4ABAKPARMLIST	
0	(0)	ADDRESS	8	ATR4ABAKRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4ABAKURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4ABAKLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRACMTPARMLIST	
0	(0)	ADDRESS	4	ATRACMTRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRACMTURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRACMTLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4ACMTPARMLIST	
0	(0)	ADDRESS	8	ATR4ACMTRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4ACMTURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4ACMTLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRADCTPARMLIST	
0	(0)	ADDRESS	4	ATRADCTRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRADCTURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRADCTLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRADCT1PARMLIST	
0	(0)	ADDRESS	4	ATRADCT1RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRADCT1URITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRADCT1LOGOPTIONPTR	Address of log option
12	(C)	ADDRESS	4	ATRADCT1COMMITOPTIONSPTR	Address of commit options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4ADCTPARMLIST	
0	(0)	ADDRESS	8	ATR4ADCTRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4ADCTURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4ADCTLOGOPTIONPTR	Address of log option
24	(18)	ADDRESS	8	ATR4ADCTCOMMITOPTIONSPTR	Address of commit options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRAFGTPARMLIST	
0	(0)	ADDRESS	4	ATRAFGTRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRAFGTURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRAFGTLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4AFGTPARMLIST	
0	(0)	ADDRESS	8	ATR4AFGTRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4AFGTURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4AFGTLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4APRPPARMLIST	
0	(0)	ADDRESS	4	ATR4APRPRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATR4APRPURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATR4APRPLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4APRPPARMLIST	
0	(0)	ADDRESS	8	ATR4APRPRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4APRPURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4APRPLOGOPTIONPTR	Address of log option

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRXPARMEXITFLAGS	
0	(0)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE1	Byte1 of Exit Flags
		1... ..		ATRXFLAGRESTARTINTEREST	"X'80" This exit was invoked for a restart expression of interest.
		.1.. ..		ATRXFLAGTERMINATINGSYNCPPOINT	"X'40" Terminating Syncpoint in progress. RRS/MVS has issued an implicit commit or backout because the context is terminating. There cannot be any more new URs for this context.
		..1.		ATRXFLAGRESOLVEDBYINSTALLATION	

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		ATRFLAGHEURISTICMIXED	"X'20" Indicates the In-Doubt state of this UR was resolved by the installation (e.g. by forcing a COMMIT or BACKOUT decision via the RRS/MVS ISPF interface.
		.... 1...		ATRFLAGRESYNCPINPROGRESS	"X'10" Indicates that a Hueristic mixed condition was detected for this UR.
		.... .1..		ATRFLAGPREPARERESULTFORGET	"X'08" Indicates that a Resync-In-Progress (RIP) condition is present for this UR.
		.... ..1.		ATRFLAGIMMEDIATEBACKOUT	"X'04" Indicates that the prepare vote for this expression of interest was ABSTAIN, and the overall prepare vote result for the UR was FORGET.
		.... ...1		ATRFLAGREDRIVELIMIT	"X'02" Indicates that the backout operation was requested by the application and was not the result of a resource manager being unable to commit its resources.
1	(1)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE2	"X'01" Indicates that the STATE_CHECK redrive limit has been reached for this UR, so the ATRX_REDRIIVE return code is not valid.
		1...		ATRFLAGCOMMIT	Byte2 of Exit Flags
		.1..		ATRFLAGAPPLICATIONASYNCABEND	"X'80" Indicates that the overall decision of this UR was to commit the UR.
		..1.		ATRFLAGRETAININTINV	"X'40"
		...1		ATRFLAGCASCADEDUR	"X'20"
		.... 11..		ATRFLAGTRANSACTIONMODE	"X'10"
2	(2)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE3	"X'0C"
					Byte3 of Exit Flags
3	(3)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE4	Byte4 of Exit Flags

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRBEGPARMLIST	
0	(0)	ADDRESS	4	ATRBEGRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRBEGDIAGAREAPTR	Address of diagnostic area
8	(8)	ADDRESS	4	ATRBEGTRANMODEPTR	Address of transaction mode
12	(C)	ADDRESS	4	ATRBEGURTOKENPTR	Address of UR token
16	(10)	ADDRESS	4	ATRBEGURIDPTR	Address of URID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRENDPARMLIST	
0	(0)	ADDRESS	4	ATRENDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRENDIAGAREAPTR	Address of diagnostic area
8	(8)	ADDRESS	4	ATRENDACTIONPTR	Address of action
12	(C)	ADDRESS	4	ATRENDCURRURTOKENPTR	Address of current UR token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRUSFPARMLIST	
0	(0)	ADDRESS	4	ATTRUSFRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRUSFCONTEXTTOKENPTR	Address of context token
8	(8)	ADDRESS	4	ATTRUSFENVINFOPTR	Address of environment info

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRUSF1PARMLIST	
0	(0)	ADDRESS	4	ATTRUSF1RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRUSF1CONTEXTTOKENPTR	Address of context token
8	(8)	ADDRESS	4	ATTRUSF1ENVINFOPTR	Address of environment info
12	(C)	ADDRESS	4	ATTRUSF1SIDEINFOPTIONSPTR	Address of side info options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSENVPARMLIST	
0	(0)	ADDRESS	4	ATRSENVRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSENVDIAGAREAPTR	Address of diagnostic area
8	(8)	ADDRESS	4	ATRSENVSCOPEPTR	Address of env setting scope
12	(C)	ADDRESS	4	ATRSENVCONTEXTTOKENPTR	Address of context token
16	(10)	ADDRESS	4	ATRSENVSTOKENPTR	Address of Stoken
20	(14)	ADDRESS	4	ATRSENVELEMENTCOUNTPTR	Address of element count
24	(18)	ADDRESS	4	ATRSENVENVSETTINGIDPTR	Address of env setting id
28	(1C)	ADDRESS	4	ATRSENVENVSETTINGPTR	Address of env setting
32	(20)	ADDRESS	4	ATRSENVENVSETTINGPROCTPTR	Address of env setting protection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRRENVPARMLIST	
0	(0)	ADDRESS	4	ATRRENVRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRENVDIAGAREAPTR	Address of diagnostic area
8	(8)	ADDRESS	4	ATRRENVSCOPEPTR	Address of env setting scope
12	(C)	ADDRESS	4	ATRRENVCONTEXTTOKENPTR	Address of context token
16	(10)	ADDRESS	4	ATRRENVSTOKENPTR	Address of Stoken
20	(14)	ADDRESS	4	ATRRENVELEMENTCOUNTPTR	Address of element count
24	(18)	ADDRESS	4	ATRRENVENVSETTINGIDPTR	Address of env setting id
28	(1C)	ADDRESS	4	ATRRENVENVSETTINGPTR	Address of env setting
32	(20)	ADDRESS	4	ATRRENVENVSETTINGPROCTPTR	Address of env setting protection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSDTAPARMLIST	
0	(0)	ADDRESS	4	ATRSDTARETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSDTARMTOKENPTR	Address of RM token
8	(8)	ADDRESS	4	ATRSDTARMMETADALENGTHPTR	Address of RM meta data length
12	(C)	ADDRESS	4	ATRSDTARMMETADATAPTR	Address of RM meta data

ATTRASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SDTAPARMLIST	
0	(0)	ADDRESS	8	ATR4SDTARETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SDTARMTOKENPTR	Address of RM token
16	(10)	ADDRESS	8	ATR4SDTARMMETADALENGTHPTR	Address of RM meta data length
24	(18)	ADDRESS	8	ATR4SDTARMMETADATAPTR	Address of RM meta data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRDTAPARMLIST	
0	(0)	ADDRESS	4	ATTRDTARETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATTRDTARMTOKENPTR	Address of RM token
8	(8)	ADDRESS	4	ATTRDTARMMETADATABUFFERLENGTHPTR	Address of RM meta data buffer length
12	(C)	ADDRESS	4	ATTRDTARMMETADALENGTHPTR	Address of RM meta data length
16	(10)	ADDRESS	4	ATTRDTARMMETADATAPTR	Address of RM meta data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RDTAPARMLIST	
0	(0)	ADDRESS	8	ATR4RDTARETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RDTARMTOKENPTR	Address of RM token
16	(10)	ADDRESS	8	ATR4RDTARMMETADATABUFFERLENGTHPTR	Address of RM meta data buffer length
24	(18)	ADDRESS	8	ATR4RDTARMMETADALENGTHPTR	Address of RM meta data length
32	(20)	ADDRESS	8	ATR4RDTARMMETADATAPTR	Address of RM meta data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4BEGPARMLIST	
0	(0)	ADDRESS	8	ATR4BEGRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4BEGDIAGAREAPTR	Address of diagnostic area
16	(10)	ADDRESS	8	ATR4BEGTRANMODEPTR	Address of transaction mode
24	(18)	ADDRESS	8	ATR4BEGURTOKENPTR	Address of UR token
32	(20)	ADDRESS	8	ATR4BEGURIDPTR	Address of URID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4ENDPARMLIST	
0	(0)	ADDRESS	8	ATR4ENDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4ENDDIAGAREAPTR	Address of diagnostic area
16	(10)	ADDRESS	8	ATR4ENDACTIONPTR	Address of action
24	(18)	ADDRESS	8	ATR4ENDCURRURTOKENPTR	Address of current UR token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RUSFPARMLIST	
0	(0)	ADDRESS	8	ATR4RUSFRETRNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RUSFCONTEXTTOKENPTR	Address of context token
16	(10)	ADDRESS	8	ATR4RUSFENVINFOPTR	Address of environment info
24	(18)	ADDRESS	8	ATR4RUSFSIDEINFOPTIONSPTR	Address of side info options

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4SENVPARMLIST	
0	(0)	ADDRESS	8	ATR4SENVRETRNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SENVDIAGAREAPTR	Address of diagnostic area
16	(10)	ADDRESS	8	ATR4SENVSCOPEPTR	Address of env setting scope
24	(18)	ADDRESS	8	ATR4SENVCONTEXTTOKENPTR	Address of context token
32	(20)	ADDRESS	8	ATR4SENVSTOKENPTR	Address of Stoken
40	(28)	ADDRESS	8	ATR4SENVLEMENTCOUNTPTR	Address of element count
48	(30)	ADDRESS	8	ATR4SENVENVSETTINGIDPTR	Address of env setting id
56	(38)	ADDRESS	8	ATR4SENVENVSETTINGPTR	Address of env setting
64	(40)	ADDRESS	8	ATR4SENVENVSETTINGPROCTPTR	Address of env setting protection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATR4RENVPARMLIST	
0	(0)	ADDRESS	8	ATR4RENVRETRNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RENVDIAGAREAPTR	Address of diagnostic area
16	(10)	ADDRESS	8	ATR4RENVSCOPEPTR	Address of env setting scope
24	(18)	ADDRESS	8	ATR4RENVCONTEXTTOKENPTR	Address of context token
32	(20)	ADDRESS	8	ATR4RENVSTOKENPTR	Address of Stoken
40	(28)	ADDRESS	8	ATR4RENVLEMENTCOUNTPTR	Address of element count
48	(30)	ADDRESS	8	ATR4RENVENVSETTINGIDPTR	Address of env setting id
56	(38)	ADDRESS	8	ATR4RENVENVSETTINGPTR	Address of env setting
64	(40)	ADDRESS	8	ATR4RENVENVSETTINGPROCTPTR	Address of env setting protection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATTRINST	
0	(0)	CHARACTER	8	ATTRINST_EYECATCHER	
8	(8)	BITSTRING	1	ATTRINST_VERSIONNUMBER	
9	(9)	BITSTRING	3	ATTRINST_LENGTH	
12	(C)	ADDRESS	4	ATTRINST_SELFADDRESS	
16	(10)	BITSTRING	4	ATTRINST_INSTALLEDFUNCTIONFLAGS	
16	(10)	BITSTRING	1	ATTRINST_INSTALLEDFUNCTIONBYTE1	Byte 1 of function flag
		1... ..		ATRLOCALTRANSACTIONSSUPPORTINSTALLED	"X'80" Indicates that the RRS Local Transactions SPE is installed on this system.

ATTRASM Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		ATRMULTISYSTEMCASCADEDINSTALLED	"X'40" Indicates that the RRS Multi-system cascaded Transactions are supported on this system.
		..1.		ATRSUBORDINATEFAILEDEXITSUPPORT	"X'20" Indicates that resource managers can set a subordinate failed exit on this system
		...1		ATRRESTARTANYTIMESUPPORTED	"X'10" Indicates that RRS supports RM restart anywhere on the plex where RRS is active.
		.... 1...		ATR64BITADDRESSABILITYSUPPORTED	"X'08" Indicates that RRS supports 64 bit addressable callers.
		.... .1..		ATRCOMMITEEXITTIERLEVELSUPPORTED	"X'04" Indicates that RRS supports tier level scheduling of Commit exit routines.
		.... ..1.		ATREXITDEFERSUPPORT	"X'02" Indicates that resource managers can defer its exits
		.... ...1		ATRATRQUERYPDATASUPPORTED	"X'01" Indicates retrieval of Pi data is allowed on atrquery
17	(11)	BITSTRING	1	ATTRINST_INSTALLEDFUNCTIONBYTE2	Byte 2 of function flag
		1...		ATRDELETERMSUPPORTED	"X'80" Indicates that RRS supports the deleting of RMs that don't have outstanding interests.
		.1..		ATRRMMETADATA8KSSUPPORTED	"X'40" Indicates that RRS supports 8K RM Meta Data.
		..1.		ATRPRE_PREPAREEXITSUPPORT	"X'20" Indicates that RRS supports Pre-Prepare Exits.
		...1		ATRRMUNREGISTERSUPPORT	"X'10" Indicates that RRS supports RM Unregister.
		.... 1...		ATRSRVFORGETSUPPORT	"X'08" Indicates that RRS supports the Forgetting of URs through ATRSRV.
18	(12)	BITSTRING	1	ATTRINST_INSTALLEDFUNCTIONBYTE3	Byte 3 of function flag
19	(13)	BITSTRING	1	ATTRINST_INSTALLEDFUNCTIONBYTE4	Byte 4 of function flag
20	(14)	CHARACTER	12	RESERVED	

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR_ABAK_NOT_ADDR	0	1A0001	ATR_APPL_COMPLETE_INV	0	21
ATR_ABAK_PRIM_ADDR	0	1A0000	ATR_APPL_COMPLETE_INV_STATE	0	758
ATR_ACMT_NOT_ADDR	0	1B0001	ATR_APPL_COMPLETE_INV_STATE	0	761
ATR_ACMT_PRIM_ADDR	0	1B0000	ATR_APRP_NOT_ADDR	0	1D0001
ATR_ACTION_INV	0	36B	ATR_APRP_PRIM_ADDR	0	1D0000
ATR_ADCT_NOT_ADDR	0	220001	ATR_ASCMODE_INV	0	101
ATR_ADCT_PRIM_ADDR	0	220000	ATR_ASYNC_ABEND	0	8
ATR_ADDRESS_SPACE_SCOPE	0	1	ATR_ASYNC_ABEND_RSN	0	9
ATR_AFGT_NOT_ADDR	0	1C0001	ATR_ASYNC_MEMTERM	0	A
ATR_AFGT_PRIM_ADDR	0	1C0000	ATR_AUTH_FAILURE	0	3AB
ATR_AFTER_IN_PREPARE	0	745	ATR_AUTH_FAILURE_GENERATE_OPTION	0	3B5
ATR_AFTER_NEW_UR	0	73C	ATR_AUTH_FAILURE_RETRIEVE_OPTION	0	3B4
ATR_ALCC_NOT_ADDR	0	1E0001	ATR_BACKED_OUT	0	12C
ATR_ALCC_PRIM_ADDR	0	1E0000	ATR_BACKED_OUT_OUTCOME_MIXED	0	12E
ATR_ALL_DEFERRED	0	C	ATR_BACKED_OUT_OUTCOME_PENDING	0	12D
ATR_ALREADY_DEFERRED	0	B	ATR_BACKOUT_CODE_INV	0	394
ATR_APPL_COMPLETE	0	B	ATR_BACKOUT_EXIT	0	5

Name	Hex Offset	Hex Value
ATR_BACKOUT_OK	0	0
ATR_BACKOUT_REQUIRED	0	1
ATR_BEG_NOT_ADDR	0	230001
ATR_BEG_PRIM_ADDR	0	230000
ATR_BREAK_TREE	0	10
ATR_CASCADED	0	1
ATR_CASCADED_TRANSACTION_MASK	0	2
ATR_CASCADED_UR	0	760
ATR_CASCADED_UR_DISALLOWS_COMMIT	0	756
ATR_CCUR_NOT_ADDR	0	1F0001
ATR_CCUR_PRIM_ADDR	0	1F0000
ATR_CHILD_AUTH_FAILURE	0	3A5
ATR_CHILD_CONTEXT_TOKEN_INV	0	39B
ATR_CHILD_DU_TERMINATING	0	39F
ATR_CHILD_UR_STATE_ERROR	0	744
ATR_COMMIT_ACTION	0	1
ATR_COMMIT_CODE_INV	0	374
ATR_COMMIT_EXIT	0	4
ATR_COMMIT_NO_PRIORITY	0	0
ATR_COMMIT_OK	0	0
ATR_COMMIT_OPTIONS_INV	0	3AE
ATR_COMMIT_TIER_ONE_MISMATCH	0	3B7
ATR_COMMIT_TIER_ONE_PRIORITY	0	20000
ATR_COMMIT_TIER_ONE_SRB_INV	0	3B3
ATR_COMMITTED	0	18
ATR_COMMITTED_OUTCOME_MIXED	0	66
ATR_COMMITTED_OUTCOME_PENDING	0	65
ATR_COMP_CODE_INV	0	379
ATR_COMPLETION_EXIT	0	8
ATR_CONDITIONAL	0	1
ATR_CONDITIONAL_INT_MASK	0	0
ATR_CONTEXT_SCOPE	0	2
ATR_CONTEXT_TOKEN_INV	0	361
ATR_CREATE_CASCADED_UR_MASK	0	1000
ATR_CREATE_OPTIONS_INV	0	3AD
ATR_CREATE_STANDARD_UR_MASK	0	0
ATR_CRGSEIF_VALUE_2	0	
ATR_CRGSEIF_VALUE_2_BYTE1		

Name	Hex Offset	Hex Value
ATR_CRGSEIF_VALUE_2_BYTE2	0	
ATR_CRGSEIF_VALUE_2_BYTE3	0	
ATR_CRGSEIF_VALUE_2_BYTE4	0	
ATR_CTOKEN_NOT_ZERO	1	
ATR_CUR_UR_TOKEN_NOT_CURRENT	0	803
ATR_CURRENT	0	805
ATR_DEFAULT_SCOPE	0	0
ATR_DEFER	0	3
ATR_DEFER_EXPLICIT	0	0
ATR_DEFER_IMPLICIT	0	1
ATR_DEFER_MULT	0	0
ATR_DEFER_NOT_VALID	0	1
ATR_DEFER_SINGLE	0	D
ATR_DEFER_SRB_NOT_VALID	0	2
ATR_DINT_NOT_ADDR	0	E
ATR_DINT_PRIM_ADDR	0	10001
ATR_DISTRIBUTED_SYNCPOINT_EXIT	0	10000
ATR_DO_NOT_GENERATE	0	3
ATR_DONT_END_CONTEXT_MASK	0	0
ATR_DPSP_NOT_ADDR	0	0
ATR_DPSP_PRIM_ADDR	0	210001
ATR_DRIVE_BACKOUT	0	210000
ATR_DRIVE_BACKOUT_EXIT	0	11
ATR_DRIVE_COMMIT_EXIT	0	FFF
ATR_DRIVE_COMPLETION	0	FFF
ATR_DRIVE_PREPARE_EXIT	0	14
ATR_DSRM	0	FFF
ATR_DU_TERMINATING	0	2
ATR_EF_ON_LATER_WITH_ASYNC	0	36A
ATR_EID	0	80
ATR_EINT_NOT_ADDR	0	1
ATR_EINT_PRIM_ADDR	0	20001
ATR_ELEMENT_COUNT_INV	0	20000
ATR_EM_UNAVAILABLE	0	392
ATR_EM_WRONG_STATE	0	8009
ATR_END_CONTEXT_MASK	0	8007
ATR_END_NOT_ADDR	0	100
ATR_END_PRIM_ADDR	0	240001
ATR_END_UR_EXIT	0	240000

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR_ENV_SETTING_ID_INV	0	6	ATR_HARDENED_DATA_LOST	0	10000
ATR_ENV_SETTING_INV	0	364	ATR_HEURISTIC_MIX	0	F01
ATR_ENVIRONMENT_INV	0	365	ATR_HYBRID_GLOBAL_MODE	0	0
ATR_ENVIRONMENT_NOT_SET	0	109	ATR_HYBRID_GLOBAL_MODE_ERROR	0	3
ATR_EXIT_ABENDED	0	0	ATR_HYBRID_GLOBAL_MODE_MASK	0	804
ATR_EXIT_ABENDED_RSN	0	2	ATR_IBRS_NOT_ADDR	0	40000
ATR_EXIT_BACKOUT_NOT_SPECIFIED	0	7	ATR_IBRS_PRIM_ADDR	0	30001
ATR_EXIT_COMMIT_NOT_SPECIFIED	0	8002	ATR_ID_CONFLICT	0	30000
ATR_EXIT_EXIT_FAILED_NOT_SPECIFIED	0	8001	ATR_IERS_NOT_ADDR	0	757
ATR_EXIT_FAILED_EXIT	0	8003	ATR_IERS_PRIM_ADDR	0	40001
ATR_EXIT_NUMBER_INV	0	7	ATR_IGNORE_SUBORDINATE_FAILURE_MASK	0	40000
ATR_EXIT_OPTS_RSRVD	0	378	ATR_IMMEDIATE	0	0
ATR_EXIT_PREPARE_NOT_SPECIFIED	0	7F	ATR_IMMEDIATE_BACKOUT	0	2
ATR_EXIT_RC_NOT_VALID	0	8000	ATR_IN_BACKOUT	0	20
ATR_EXIT_TYPE_PC	0	1	ATR_IN_COMMIT	0	6
ATR_EXIT_TYPE_PCS	0	2	ATR_IN_COMPLETION	0	5
ATR_EXIT_TYPE_SRB	0	4	ATR_IN_DOUBT	0	9
ATR_EXTENDED_STATES	0	1	ATR_IN_END	0	4
ATR_FAIL_FORGET	0	1	ATR_IN_FLIGHT	0	7
ATR_FAIL_FUTURE	0	2	ATR_IN_FORGET	0	1
ATR_FAIL_STANDARD	0	1	ATR_IN_ONLY_AGENT	0	B
ATR_FAILURE_ACTION_INCORRECT	0	0	ATR_IN_PREPARE	0	8
ATR_FAILURE_ACTION_INV	0	386	ATR_IN_RESET	0	3
ATR_FLIGHT_OPTION_INV	0	372	ATR_IN_STATE_CHECK	0	0
ATR_FORGET	0	396	ATR_INTEREST_COUNT_MASK	0	2
ATR_FORGET_NOT_REQUIRED	0	8	ATR_INTEREST_OPTIONS_INV	0	1
ATR_FORGET_NOT_VALID	0	11	ATR_INTEREST_TYPE_INV	0	3AC
ATR_FORGOTTEN	0	6	ATR_INTERRUPT_STATUS_INV	0	371
ATR_GEN_LUWID_NOT_ALLOWED_LOCAL	0	A	ATR_INV_FOR_RESTART_INTEREST	0	103
ATR_GEN_NOT_ALLOWED_EID	0	765	ATR_IRLN_NOT_ADDR	0	73D
ATR_GEN_NOT_ALLOWED_NO_LUNAME	0	74D	ATR_IRLN_PRIM_ADDR	0	50001
ATR_GEN_NOT_ALLOWED_NO_URI_TOKEN	0	748	ATR_IRNI_NOT_ADDR	0	50000
ATR_GEN_REQUIRED_XID	0	753	ATR_IRNI_PRIM_ADDR	0	60001
ATR_GEN_XID_NOT_ALLOWED_LOCAL	0	751	ATR_IRRI_NOT_ADDR	0	60000
ATR_GENERATE	0	767	ATR_IRRI_PRIM_ADDR	0	70001
ATR_GENERATE_OPTION_INV	0	1	ATR_ISLN_NOT_ADDR	0	70000
ATR_GLOBAL_MODE	0	388	ATR_ISLN_PRIM_ADDR	0	80001
ATR_GLOBAL_MODE_MASK	0	1	ATR_LAST_AGENT	0	80000

Name	Hex Offset	Hex Value
ATR_LATER_INV	0	1
ATR_LOCAL_MODE	0	381
ATR_LOCAL_MODE_MASK	0	2
ATR_LOCAL_TRAN_MODE_INV	0	20000
ATR_LOCKS_HELD	0	764
ATR_LOG_OPT_INV	0	105
ATR_LUWID	0	395
ATR_LUWID_DATA_INV	0	0
ATR_LUWID_NOT_AVAILABLE	0	393
ATR_MAX_EID_LENGTH	0	73F
ATR_MAX_LUWID_LENGTH	0	2C
ATR_MAX_PDATA_LENGTH	0	1A
ATR_MAX_RM_LOGNAME_LENGTH	0	1000
ATR_MAX_RM_METADATA_LENGTH	0	40
ATR_MAX_UR_LOG_DATA_EXCEEDED	0	2000
ATR_MAX_XID_LENGTH	0	749
ATR_MEMTERM	0	8C
ATR_MIN_EID_LENGTH	0	5
ATR_MIN_LUWID_LENGTH	0	C
ATR_MIN_XID_LENGTH	0	A
ATR_MODE_INV	0	D
ATR_MULTIPLE_INTEREST_COUNT_MASK	0	104
ATR_MULTIPLE_INTEREST_OPTION_INV	0	40
ATR_MULTIPLE_INTERESTS	0	391
ATR_NEW_LUWID_PSH_UNACCEPTABLE	0	2
ATR_NEXT	0	13
ATR_NO_CASCADE_TO_PARENT	0	1
ATR_NO_COMPLETION_EXIT_SET	0	763
ATR_NO_DIST_SYNC_EXIT	0	73E
ATR_NO_FAMILY	0	732
ATR_NO_INTERESTS_MASK	0	0
ATR_NO_LUWID_GEN_FOR_UR	0	1
ATR_NO_MORE_INCOMPLETE_INTERESTS	0	765
ATR_NO_MORE_THAN_ONE_INTEREST	0	4
ATR_NO_SIDE_INFO_FOR_UR	0	1
ATR_NO_XID_GEN_FOR_UR	0	766
ATR_NORM_CTX_END_SETTING	0	767
ATR_NORMAL_INTEREST	0	2
ATR_NOT_ALLOWED_FOR_UR	0	0

Name	Hex Offset	Hex Value
ATR_NOT_AVAILABLE	0	764
ATR_NOT_PROTECTED_INTEREST	0	F00
ATR_NOT_RETRIEVED_INTEREST	0	730
ATR_NOT_SERVER_DSRM	0	741
ATR_NOT_SET	0	74A
ATR_NOTIFY_SUBORDINATE_FAILURE_MASK	0	0
ATR_OK	0	200000
ATR_OK_NO_CONTEXT	0	0
ATR_ONE_INTEREST_COUNT_MASK	0	10
ATR_ONLY_AGENT_EXIT	0	20
ATR_PARENT_AUTH_FAILURE	0	9
ATR_PARENT_DU_TERMINATING	0	3A4
ATR_PARENT_LOCAL_TRAN_MODE_INV	0	39E
ATR_PARENT_UR_STATE_ERROR	0	763
ATR_PARENT_UR_TOKEN_INV	0	743
ATR_PARTIAL_PERSISTENT_DATA	0	39A
ATR_PARTIAL_RM_LOGNAME	0	5
ATR_PARTIAL_RM_METADATA	0	9
ATR_PARTIAL_UWID_DATA	0	B
ATR_PARTICIPANT	0	A
ATR_PDUE_NOT_ADDR	0	0
ATR_PDUE_PRIM_ADDR	0	90001
ATR_PERSIS_DATA_BUF_LEN_INV	0	90000
ATR_PERSISTENT_DATA_LEN_INV	0	37D
ATR_PERSISTENT_DATA_NOT_ALLOWED	0	376
ATR_PET_AUTH_FAILURE	0	389
ATR_PET_INV	0	3A8
ATR_PET_NOT_ASSOCIATED	0	3A6
ATR_PET_OUTDATED	0	3AA
ATR_PET_SPACE_FAILURE	0	3A7
ATR_POST_NOT_PENDING	0	3A9
ATR_PRE_PREPARE_EXIT	0	740
ATR_PREFLIGHT	0	B
ATR_PREPARE_ABSTAIN	0	C
ATR_PREPARE_CODE_INCORRECT	0	14
ATR_PREPARE_CODE_INV	0	387
ATR_PREPARE_EXIT	0	373
ATR_PREPARE_OK	0	2
	0	0

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR_PRESUME_ABORT_MASK	0	10000	ATR_RESTART_WRONG_SYSTEM	0	F02
ATR_PRESUME_NOTHING_MASK	0	0	ATR_RESYNC_IN_PROGRESS	0	12
ATR_PRESUMED_ABORT	0	1	ATR_RETRIEVE_NEXT_EID_INV	0	754
ATR_PRESUMED_NOTHING	0	0	ATR_RETRIEVE_NEXT_XID_INV	0	755
ATR_PRESUMED_NOTHING_INVALID	0	762	ATR_RETRIEVE_OPTION_INV	0	37E
ATR_PROGRAM_STATE_CHECK	0	C8	ATR_RID_NOT_ADDR	0	B0001
ATR_PROT_LOGGED	0	2	ATR_RID_PRIM_ADDR	0	B0000
ATR_PROTECTED	0	1	ATR_RM_ACTIVE_ON_ANOTHER_SYSTEM	0	8004
ATR_PROTECTED_INT_MASK	0	0	ATR_RM_ALREADY_HAS_INTEREST	0	8
ATR_PROTECTED_INTEREST	0	739	ATR_RM_ATTR_INCORRECT	0	738
ATR_PROTECTED_SETTING	0	2	ATR_RM_COORD_OK_MASK	0	2
ATR_PROTLEVEL_INV	0	36C	ATR_RM_EXITS_UNSET	0	702
ATR_RC_INCORRECT_AFTER_POST	0	4	ATR_RM_GROUP_RRS_DOWNLEVEL	0	F07
ATR_RDTA_NOT_ADDR	0	290001	ATR_RM_IS_THE_SDSRM	0	748
ATR_RDTA_PRIM_ADDR	0	290000	ATR_RM_LOGNAME_BUF_LEN_INV	0	37C
ATR_REDRIEVE_LIMIT	0	3	ATR_RM_LOGNAME_INV	0	37A
ATR_REIC_NOT_ADDR	0	A0001	ATR_RM_LOGNAME_LEN_INV	0	37B
ATR_REIC_PRIM_ADDR	0	A0000	ATR_RM_LOGNAME_NOT_SET	0	6
ATR_REMOVE_INT_ON_FAIL_MASK	0	100000	ATR_RM_METADATA_BUFFER_LEN_INV	0	38B
ATR_REMOVE_SDSRM_INTEREST_MASK	0	0	ATR_RM_METADATA_LEN_INV	0	38A
ATR_RENV_NOT_ADDR	0	270001	ATR_RM_METADATA_LOG_UNAVAILABLE	0	38C
ATR_RENV_PRIM_ADDR	0	270000	ATR_RM_METADATA_MISSING_DATA	0	38E
ATR_REQUESTED_WID_UNAVAILABLE	0	7	ATR_RM_METADATA_UNSUPPORTED	0	800A
ATR_RESET_APPL_COMPLETE	0	22	ATR_RM_NEW_KEY_INV	0	8005
ATR_RESET_STATE	0	6	ATR_RM_OPTS_RSRVD	0	3F
ATR_RESOLVED_BY_INSTALLATION	0	16	ATR_RM_STATE_ERROR	0	701
ATR_RESPOND_COMPLETE	0	1	ATR_RM_TOKEN_INV	0	301
ATR_RESPOND_CONTINUE	0	0	ATR_RM_WRONG_STATE	0	8008
ATR_RESPOND_CONTINUE_REQUIRED	0	750	ATR_RM_8K_METADATA_NOT_ALLOWED	0	38D
ATR_RESPONSE_CODE_INCORRECT	0	385	ATR_ROLE_CHANGE_AFTER_SYNC	0	74F
ATR_RESPONSE_CODE_INV	0	384	ATR_ROLE_ERROR_CASCADED_UR	0	759
ATR_RESPONSE_NOT_PENDING	0	742	ATR_ROLE_INCORRECT	0	746
ATR_RESTART_COMPLETE_STATE	0	3	ATR_ROLE_INV	0	390
ATR_RESTART_IN_PROGRESS_STATE	0	7	ATR_ROLLBACK_ACTION	0	2
ATR_RESTART_INCOMPLETE	0	73A	ATR_RRS_MUST_COORD_MASK	0	4
ATR_RESTART_INTEREST	0	1	ATR_RRS_STOKEN	0	
ATR_RESTART_STATE	0	2	ATR_RRS_STOKEN_NAME	0	C1E3D9D9
			ATR_RUN_STATE		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR_RURD_NOT_ADDR	0	4	ATR_SPSP_PRIM_ADDR	0	200000
ATR_RURD_PRIM_ADDR	0	C0001	ATR_SROI_ALREADY_DONE	0	736
ATR_RUSI_NOT_ADDR	0	C0000	ATR_SROI_NOT_ADDR	0	110001
ATR_RUSI_PRIM_ADDR	0	D0001	ATR_SROI_PRIM_ADDR	0	110000
ATR_RWID_NOT_ADDR	0	D0000	ATR_SSPC_NOT_ADDR	0	120001
ATR_RWID_PRIM_ADDR	0	E0001	ATR_SSPC_PRIM_ADDR	0	120000
ATR_SAME_CHILD_CONTEXT_INV	0	E0000	ATR_SSPC_ROLE_ERROR_DSRM	0	733
ATR_SAME_CURRENT_CONTEXT_INV	0	3A2	ATR_SSPC_ROLE_ERROR_LAST_AGENT	0	734
ATR_SAME_PARENT_CONTEXT_INV	0	3A0	ATR_SSPC_ROLE_ERROR_SERVER_DSRM	0	74B
ATR_SAME_PARENT_CONTEXT_INV	0	3A1	ATR_STANDARD_COMMIT_MASK	0	0
ATR_SCOPE_INV	0	366	ATR_STANDARD_FAIL_MASK	0	0
ATR_SDSRM	0	3	ATR_STANDARD_STATES	0	0
ATR_SDSRM_DISALLOWS_COMMIT	0	74C	ATR_STANDARD_XID_MASK	0	0
ATR_SDSRM_INITIATED	0	15	ATR_STATE_CHECK_EXIT	0	1
ATR_SDTA_NOT_ADDR	0	280001	ATR_STATES_OPTION_INV	0	398
ATR_SDTA_PRIM_ADDR	0	280000	ATR_STKN_TOKEN	0	
ATR_SEIF_PARM_NOT_ADDR	0	8006	ATR_STOKEN_INV	0	362
ATR_SEIF_REMD_BAD_RC	0	150000	ATR_STOKEN_NOT_ZERO	0	802
ATR_SEIF_SEMD_BAD_RC	0	150001	ATR_SUBORDINATE_FAILED_EXIT	0	A
ATR_SENV_NOT_ADDR	0	260001	ATR_SUBORDINATE_FAILED_EXIT_INV	0	3B2
ATR_SENV_PRIM_ADDR	0	260000	ATR_SUBORDINATE_FAILED_EXIT_NOT_DEFINED	0	3B1
ATR_SET_NEXT_EID_INV	0	74E	ATR_SUPPORTS_LOCAL_TRAN_MODE	0	80
ATR_SET_NEXT_XID_INV	0	752	ATR_SUSI_NOT_ADDR	0	130001
ATR_SET_OPTION_INV	0	37F	ATR_SUSI_PRIM_ADDR	0	130000
ATR_SET_STATE	0	1	ATR_SWID_NOT_ADDR	0	140001
ATR_SETTING_PROTECTED	0	801	ATR_SWID_PRIM_ADDR	0	140000
ATR_SI_GLOBAL_MODE	0	24	ATR_TERM_SYNCPOINT	0	17
ATR_SI_LOCAL_MODE	0	23	ATR_TERMINATING_SYNCPOINT	0	747
ATR_SIDE_INFO_ID_INV	0	383	ATR_TOKEN_LEVEL	8	
ATR_SIDE_INFO_ID_LOCAL_INV	0	766	ATR_TOKEN_LEVEL_VALUE	0	1
ATR_SIDE_INFORMATION_OPTIONS_INVALID	0	3AF	ATR_TRAN_MODE_INV	0	363
ATR_SIDE_VALUE_NOT_SET	0	0	ATR_TRAN_MODE_SETTING	0	1
ATR_SIDE_VALUE_SET	0	1	ATR_TWO_PHASE_PROTOCOL_INV	0	375
ATR_SIT_NOT_ADDR	0	F0001	ATR_UNCOND_INT_MASK	0	0
ATR_SIT_PRIM_ADDR	0	F0000	ATR_UNCONDITIONAL	0	0
ATR_SPID_NOT_ADDR	0	100001	ATR_UNEXPECTED_CTX_ERROR	0	F05
ATR_SPID_PRIM_ADDR	0	100000	ATR_UNEXPECTED_ERROR	0	FFF
ATR_SPSP_NOT_ADDR	0	200001			

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR_UNEXPECTED_UR_ERROR	0	F04	ATRADCTLOGOPTIONPTR	8	
ATR_UNPROT_INT_MASK	0	0	ATRADCTPARMLIST	0	
ATR_UNPROTECTED	0	0	ATRADCTRETURNCODEPTR	0	
ATR_UNPROTECTED_SETTING	0	1	ATRADCTURITOKENPTR	4	
ATR_UNSET_IN_PROGRESS_STATE	0	5	ATRADCT1COMMITOPTIONSPTR	C	
ATR_UNSET_STATE	0	0	ATRADCT1LOGOPTIONPTR	8	
ATR_UNSUPPORTED_RELEASE	0	107	ATRADCT1PARMLIST	0	
ATR_UR_CASCADE_MASK	0	200	ATRADCT1RETURNCODEPTR	0	
ATR_UR_FAMILY_OPTION_INV	0	399	ATRADCT1URITOKENPTR	4	
ATR_UR_RESOLVED_BY_INSTALLATION	0	F03	ATRAFGTLOGOPTIONPTR	8	
ATR_UR_STATE_ERROR	0	731	ATRAFGTPARMLIST	0	
ATR_UR_STATE_IN_RESET_MASK	0	100	ATRAFGTRETURNCODEPTR	0	
ATR_UR_TOKEN_INV	0	3A3	ATRAFGTURITOKENPTR	4	
ATR_URI_TOKEN_INV	0	370	ATRAPRPPLOGOPTIONPTR	8	
ATR_USE_BQUAL_MASK	0	10	ATRAPRPPPARMLIST	0	
ATR_USE_FORMATID_MASK	0	8	ATRAPRPPRETURNCODEPTR	0	
ATR_UWID_ALREADY_SET	0	735	ATRAPRPPURITOKENPTR	4	
ATR_UWID_BUF_LEN_INV	0	382	ATRATRQUERYPDATASUPPORTED	10	1
ATR_UWID_LEN_INV	0	377	ATRBACKPARMLIST	0	
ATR_UWID_TYPE_INV	0	380	ATRBACKRETURNCODEPTR	0	
ATR_WAS_NOT_AVAILABLE	0	F06	ATRBEGDIAGAREAPTR	4	
ATR_XID	0	2	ATRBEGPARMLIST	0	
ATR_XID_DATA_INV	0	397	ATRBEGRETURNCODEPTR	0	
ATR_XID_EXISTS	0	3B0	ATRBEGTRANMODEPTR	8	
ATR_XID_INV	0	39D	ATRBEGURIDPTR	10	
ATR_XID_LENGTH_INV	0	39C	ATRBEGURTOKENPTR	C	
ATR_XID_NO_GLOBAL_MATCH	0	769	ATRCCUR2CHILDCONTEXTTOKENPTR	8	
ATR_ZERO_INTEREST_COUNT_MASK	0	10	ATRCCUR2CHILDURID	10	
ATR_8K_RM_METADATA_LENGTH	0	2000	ATRCCUR2CHILDURTOKEN	C	
ATR_8K_RM_METADATA_REQUESTED	0	40	ATRCCUR2PARENTURTOKENPTR	4	
ATRABCKLOGOPTIONPTR	8		ATRCCUR2PARMLIST	0	
ATRABCKPARMLIST	0		ATRCCUR2RETURNCODEPTR	0	
ATRABCKRETURNCODEPTR	0		ATRCCUR3CHILDCONTEXTTOKENPTR	8	
ATRABCKURITOKENPTR	4		ATRCCUR3CHILDURID	10	
ATRACMTLOGOPTIONPTR	8		ATRCCUR3CHILDURTOKEN	C	
ATRACMTPARMLIST	0		ATRCCUR3CREATEOPTIONS	14	
ATRACMTRETURNCODEPTR	0		ATRCCUR3PARENTURTOKENPTR	4	
ATRACMTURITOKENPTR	4				

Name	Hex Offset	Hex Value
ATRCCUR3PARMLIST		
	0	
ATRCCUR3RETURNCODEPTR		
	0	
ATRCMITPARMLIST		
	0	
ATRCMITRETURNCODEPTR		
	0	
ATRCOMMITEXITTIERLEVELSUPPORTED		
	10	4
ATRDELETERMSUPPORTED		
	11	80
ATRDINTPARMLIST		
	0	
ATRDINTRETURNCODEPTR		
	0	
ATRDINTURITOKENPTR		
	4	
ATRDPS2PARMLIST		
	0	
ATRDPS2PETOKENPTR		
	8	
ATRDPS2RETURNCODEPTR		
	0	
ATRDPS2URTOKENPTR		
	4	
ATREINTCONTEXTTOKENPTR		
	8	
ATREINTCURRCONTEXTTOKENPTR		
	10	
ATREINTCURRNONPDATAPTR		
	2C	
ATREINTFAILUREACTIONPTR		
	20	
ATREINTINTERESTTYPEPTR		
	1C	
ATREINTMULTIPLEINTERESTOPTION		
	18	
ATREINTNONPERSISTENTDATAPTR		
	28	
ATREINTPARMLIST		
	0	
ATREINTPDATALENGHPTR		
	30	
ATREINTPDATAPTR		
	34	
ATREINTRETURNCODEPTR		
	0	
ATREINTRMTOKENPTR		
	4	
ATREINTTWOPHASEPROTOCOLPTR		
	24	
ATREINTURIDPTR		
	14	
ATREINTURITOKENPTR		
	C	
ATREINT1CONTEXTTOKENPTR		
	8	
ATREINT1CURRCONTEXTTOKENPTR		
	10	
ATREINT1CURRNONPDATAPTR		
	2C	
ATREINT1FAILUREACTIONPTR		
	20	
ATREINT1INTERESTTYPEPTR		
	1C	
ATREINT1MULTIPLEINTERESTOPTION		
	18	
ATREINT1NONPERSISTENTDATAPTR		
	28	
ATREINT1PARMLIST		
	0	
ATREINT1PDATALENGHPTR		
	30	

Name	Hex Offset	Hex Value
ATREINT1PDATAPTR		
	34	
ATREINT1RETURNCODEPTR		
	0	
ATREINT1RMTOKENPTR		
	4	
ATREINT1TWOPHASEPROTOCOLPTR		
	24	
ATREINT1URIDPTR		
	14	
ATREINT1URITOKENPTR		
	C	
ATREINT1XIDLENGHPTR		
	38	
ATREINT1XIDPTR		
	3C	
ATREINT2CONTEXTTOKENPTR		
	8	
ATREINT2CURRCONTEXTTOKENPTR		
	10	
ATREINT2CURRNONPDATAPTR		
	2C	
ATREINT2FAILUREACTIONPTR		
	20	
ATREINT2INTERESTTYPEPTR		
	1C	
ATREINT2MULTIPLEINTERESTOPTION		
	18	
ATREINT2NONPERSISTENTDATAPTR		
	28	
ATREINT2PARENTURTOKENPTR		
	44	
ATREINT2PARMLIST		
	0	
ATREINT2PDATALENGHPTR		
	30	
ATREINT2PDATAPTR		
	34	
ATREINT2RETURNCODEPTR		
	0	
ATREINT2RMTOKENPTR		
	4	
ATREINT2TWOPHASEPROTOCOLPTR		
	24	
ATREINT2URFAMILYOPTIONPTR		
	40	
ATREINT2URIDPTR		
	14	
ATREINT2URITOKENPTR		
	C	
ATREINT2XIDLENGHPTR		
	38	
ATREINT2XIDPTR		
	3C	
ATREINT3CONTEXTTOKENPTR		
	8	
ATREINT3CURRCONTEXTTOKENPTR		
	10	
ATREINT3CURRNONPDATAPTR		
	2C	
ATREINT3DIAGAREAPTR		
	40	
ATREINT3FAILUREACTIONPTR		
	20	
ATREINT3INTERESTTYPEPTR		
	1C	
ATREINT3MULTIPLEINTERESTOPTION		
	18	
ATREINT3NONPERSISTENTDATAPTR		
	28	
ATREINT3PARMLIST		
	0	
ATREINT3PDATALENGHPTR		
	30	

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATREINT3PDATAPTR	34		ATREINT5PARMLIST	0	
ATREINT3RETURNCODEPTR	0		ATREINT5PDATALengthPTR	28	
ATREINT3RMTOKENPTR	4		ATREINT5PDATAPTR	2C	
ATREINT3TRANMODEPTR	44		ATREINT5RETURNCODEPTR	0	
ATREINT3TWOPHASEPROTOCOLPTR	24		ATREINT5RMTOKENPTR	4	
ATREINT3URIDPTR	14		ATREINT5TRANMODEPTR	40	
ATREINT3URITOKENPTR	C		ATREINT5URIDPTR	18	
ATREINT3XIDLENGTHPTR	38		ATREINT5URITOKENPTR	C	
ATREINT3XIDPTR	3C		ATREINT5URTOKENPTR	10	
ATREINT4CONTEXTTOKENPTR	8		ATREINT5XIDLENGTHPTR	30	
ATREINT4CURRCONTEXTTOKENPTR	10		ATREINT5XIDPTR	34	
ATREINT4CURRNONPDATAPTR	2C		ATRENDACTIONPTR	8	
ATREINT4DIAGAREAPTR	48		ATRENDCURRURTOKENPTR	C	
ATREINT4FAILUREACTIONPTR	20		ATRENDDIAGAREAPTR	4	
ATREINT4INTERESTTYPEPTR	1C		ATRENDPARMLIST	0	
ATREINT4MULTIPLEINTERESTOPTION	18		ATRENDRETURNCODEPTR	0	
ATREINT4NONPERSISTENTDATAPTR	28		ATREXITDEFERSUPPORT	10	2
ATREINT4PARENTURTOKENPTR	44		ATRIBRSPARMLIST	0	
ATREINT4PARMLIST	0		ATRIBRSRETURNCODEPTR	0	
ATREINT4PDATALengthPTR	30		ATRIBRSRMTOKENPTR	4	
ATREINT4PDATAPTR	34		ATRIERSPARMLIST	0	
ATREINT4RETURNCODEPTR	0		ATRIERSRETURNCODEPTR	0	
ATREINT4RMTOKENPTR	4		ATRIERSRMTOKENPTR	4	
ATREINT4TRANMODEPTR	4C		ATRIRLNPARMLIST	0	
ATREINT4TWOPHASEPROTOCOLPTR	24		ATRIRLNRETURNCODEPTR	0	
ATREINT4URFAMILYOPTIONPTR	40		ATRIRLNRMLOGNAMEBUFLenPTR	8	
ATREINT4URIDPTR	14		ATRIRLNRMLOGNAMELENGTHPTR	C	
ATREINT4URITOKENPTR	C		ATRIRLNRMLOGNAMEPTR	10	
ATREINT4XIDLENGTHPTR	38		ATRIRLNRMTokenPTR	4	
ATREINT4XIDPTR	3C		ATRIRLNRRSLOGNAMELENGTHPTR	14	
ATREINT5CONTEXTTOKENPTR	8		ATRIRLNRRSLOGNAMEPTR	18	
ATREINT5CURRCONTEXTTOKENPTR	14		ATRIRNICONTEXTTOKENPTR	8	
ATREINT5CURRNONPDATAPTR	24		ATRIRNIPARMLIST	0	
ATREINT5DIAGAREAPTR	3C		ATRIRNIPDATABUFFERLENGTHPTR	1C	
ATREINT5INTERESTOPTIONS	1C		ATRIRNIPDATALengthPTR	20	
ATREINT5NONPERSISTENTDATAPTR	20		ATRIRNIPDATAPTR	24	
ATREINT5PARENTURTOKENPTR	38		ATRIRNIRETURNCODEPTR	0	

Name	Hex Offset	Hex Value
ATRIRNIRMTOKENPTR	4	
ATRIRNIROLEPTR	14	
ATRIRNIURIDPTR	10	
ATRIRNIURITOKENPTR	C	
ATRIRNIURSTATEPTR	18	
ATRIRRINONPERSISTENTDATAPTR	C	
ATRIRRIPARMLIST	0	
ATRIRRIRESPONSECODEPTR	8	
ATRIRRIRETURNCODEPTR	0	
ATRIRRIURITOKENPTR	4	
ATRISLNPARMLIST	0	
ATRISLNRETURNCODEPTR	0	
ATRISLNRMLOGNAMELENGTHPTR	8	
ATRISLNRMLOGNAMEPTR	C	
ATRISLNRMTOKENPTR	4	
ATRLOCALTRANSACTIONSSUPPORTINSTALLED	10	80
ATRMULTISYSTEMCASCADEDIINSTALLED	10	40
ATRPDUecompletionCODEPTR	C	
ATRPDUeEXITNUMBERPTR	8	
ATRPDUePARMLIST	0	
ATRPDUeRETURNCODEPTR	0	
ATRPDUeURITOKENPTR	4	
ATRPETRELcode	0	
ATRPRE_PREPAREEXITSSUPPORT	11	20
ATTRCDOERESYNcINPROGRESS	1	8
ATTRCODEBYTE1	0	
ATTRCODEBYTE2	1	
ATTRCODEBYTE3	2	
ATTRCODEcASCADeDUR	2	10
ATTRCODEcOMMIT	2	80
ATTRCODEHeURISTICMIXED	1	10
ATTRCODEIMMEDIATEBACKOUT	1	2
ATTRCODENONRRS	0	80
ATTRCODEPREPARERESULTFORGET	1	4
ATTRCODERESOLVEDBYINSTALLATION	1	20
ATTRCODERRSFAILED	0	40
ATTRCODETERMINATINGSYNcPOINT	1	40

Name	Hex Offset	Hex Value
ATTRCODETRANSACTIONMODE	2	C
ATTRDTPARMLIST	0	
ATTRDTARETURNCODEPTR	0	
ATTRDTARMMETADATABUFFERLENGTHPTR	8	
ATTRDTARMMETADALENGTHPTR	C	
ATTRDTARMMETADATAPTR	10	
ATTRDTARMTOKENPTR	4	
ATTRREICCONTEXTTOKENPTR	4	
ATTRREICINTERESTCOUNTINFOPTR	8	
ATTRREICPARMLIST	0	
ATTRREICRETURNCODEPTR	0	
ATTRRENVCONTEXTTOKENPTR	C	
ATTRRENVDIAGAREAPTR	4	
ATTRRENVELEMENTCOUNTPTR	14	
ATTRRENVENVSETTINGIDPTR	18	
ATTRRENVENVSETTINGPROcTPTR	20	
ATTRRENVENVSETTINGPTR	1C	
ATTRRENVPARMLIST	0	
ATTRRENVRETURNCODEPTR	0	
ATTRRENVSCOPEPTR	8	
ATTRRENVSTOKENPTR	10	
ATTRRESTARTANYTIMESUPPORTED	10	10
ATTRRIDEXPOFINNTYPEPTR	1C	
ATTRRIDINTERESTTYPEPTR	18	
ATTRRIDNONPERSISTENTDATAPTR	8	
ATTRRIDPARMLIST	0	
ATTRRIDPDATABUFFERLENGTHPTR	C	
ATTRRIDPDALeNGTHPTR	10	
ATTRRIDPDATAPTR	14	
ATTRRIDRETURNCODEPTR	0	
ATTRRIDROLEPTR	20	
ATTRRIDURITOKENPTR	4	
ATTRINST	0	
ATTRINST_EYECATCHER	0	
ATTRINST_INSTALLEDFUNCTIONBYTE1	10	
ATTRINST_INSTALLEDFUNCTIONBYTE2	11	
ATTRINST_INSTALLEDFUNCTIONBYTE3	12	
ATTRINST_INSTALLEDFUNCTIONBYTE4		

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATTRINST_INSTALLEDFUNCTIONFLAGS	13		ATTRUSISIDEINFOSTATEARRAYPTR	C	
ATTRINST_LENGTH	10			10	
ATTRINST_SELFADDRESS	9		ATTRUSIURITOKENPTR	4	
ATTRINST_VERSIONNUMBER	C		ATTRUSI2ELEMENTCOUNTPTR	8	
ATTRMMETADATA8KSSUPPORTED	8		ATTRUSI2PARMLIST	0	
ATTRMUNREGISTERSUPPORT	11	40	ATTRUSI2RETURNCODEPTR	0	
ATTRRURDPARMLIST	11	10	ATTRUSI2SIDEINFOARRAYPTR	C	
ATTRRURDRETURNCODEPTR	0		ATTRUSI2SIDEINFOSTATEARRAYPTR	10	
ATTRRURDURIDPTR	0		ATTRUSI2URORURITOKENPTR	4	
ATTRRURDURITOKENPTR	8		ATTRRWIDGENERATEOPTIONPTR	C	
ATTRRURDURSTATEPTR	4		ATTRRWIDPARMLIST	0	
ATTRRURD1PARMLIST	C		ATTRRWIDRETRIEVEOPTIONPTR	8	
ATTRRURD1RETURNCODEPTR	0		ATTRRWIDRETURNCODEPTR	0	
ATTRRURD1STATESOPTIONPTR	0		ATTRRWIDURITOKENPTR	4	
ATTRRURD1URIDPTR	10		ATTRRWIDUWIDBUFFERLENPTR	14	
ATTRRURD1URITOKENPTR	8		ATTRRWIDUWIDDATAPTR	1C	
ATTRRURD1URSTATEPTR	4		ATTRRWIDUWIDLENPTR	18	
ATTRRURD2PARMLIST	C		ATTRRWIDUWIDTYPEPTR	10	
ATTRRURD2RETURNCODEPTR	0		ATTRRWID2GENERATEOPTIONPTR	C	
ATTRRURD2STATESOPTIONPTR	0		ATTRRWID2PARMLIST	0	
ATTRRURD2URIDPTR	10		ATTRRWID2RETRIEVEOPTIONPTR	8	
ATTRRURD2URORURITOKENPTR	8		ATTRRWID2RETURNCODEPTR	0	
ATTRRURD2URSTATEPTR	4		ATTRRWID2URORURITOKENPTR	4	
ATTRRURD2URTOKENPTR	C		ATTRRWID2UWIDBUFFERLENPTR	14	
ATTRRUSFCONTEXTTOKENPTR	14		ATTRRWID2UWIDDATAPTR	1C	
ATTRRUSFENVINFOPTR	4		ATTRRWID2UWIDLENPTR	18	
ATTRRUSFPARMLIST	8		ATTRRWID2UWIDTYPEPTR	10	
ATTRRUSFRETURNCODEPTR	0		ATRSDTAPARMLIST	0	
ATTRRUSF1CONTEXTTOKENPTR	0		ATRSDTARETURNCODEPTR	0	
ATTRRUSF1ENVINFOPTR	4		ATRSDTARMMETADALENGTHPTR	8	
ATTRRUSF1PARMLIST	8		ATRSDTARMMETADATAPTR	C	
ATTRRUSF1RETURNCODEPTR	0		ATRSDTARMTOKENPTR	4	
ATTRRUSF1SIDEINFOOPTIONSPTR	0		ATRSENVCONTEXTTOKENPTR	C	
ATTRRUSIELEMENTCOUNTPTR	C		ATRSENVDIAGAREAPTR	4	
ATTRRUSIPARMLIST	8		ATRSENVELEMENTCOUNTPTR	14	
ATTRRUSIRETURNCODEPTR	0		ATRSENVENVSETTINGIDPTR	18	
ATTRRUSISIDEINFOARRAYPTR	0		ATRSENVENVSETTINGPROCTPTR	20	
			ATRSENVENVSETTINGPTR		

Name	Hex Offset	Hex Value
ATRSENVPARMLIST	1C	
ATRSENVRETURNCODEPTR	0	
ATRSENVSCOPEPTR	8	
ATRSENVSTOKENPTR	10	
ATRSITFAILUREACTIONPTR	10	
ATRSITINTERESTTYPEPTR	C	
ATRSITPARMLIST	0	
ATRSITPDATALENGHPTR	14	
ATRSITPDATAPTR	18	
ATRSITRETURNCODEPTR	0	
ATRSITURIDPTR	8	
ATRSITURITOKENPTR	4	
ATRSPIDPARMLIST	0	
ATRSPIDPDATALENGHPTR	8	
ATRSPIDPDATAPTR	C	
ATRSPIDRETURNCODEPTR	0	
ATRSPIDURITOKENPTR	4	
ATRSPSP2PARMLIST	0	
ATRSPSP2PETOKENPTR	8	
ATRSPSP2RETURNCODEPTR	0	
ATRSPSP2URTOKENPTR	4	
ATRSROIFAILUREACTIONPTR	14	
ATRSROIINTERESTTYPEPTR	10	
ATRSROIINNEWURITOKENPTR	8	
ATRSROIINONPERSISTENTDATAPTR	18	
ATRSROIIPARMLIST	0	
ATRSROIIPDATALENGHPTR	1C	
ATRSROIIPDATAPTR	20	
ATRSROIRETURNCODEPTR	0	
ATRSROIURIDPTR	C	
ATRSROIURITOKENPTR	4	
ATRSROI1INTERESTOPTIONSPTR	10	
ATRSROI1NEWURITOKENPTR	8	
ATRSROI1NONPERSISTENTDATAPTR	14	
ATRSROI1PARMLIST	0	
ATRSROI1PDATALENGHPTR	18	
ATRSROI1PDATAPTR		

Name	Hex Offset	Hex Value
ATRSROI1RETURNCODEPTR	1C	
ATRSROI1URIDPTR	0	
ATRSROI1URITOKENPTR	C	
ATRSRVFORGETSUPPORT	4	
ATRSRPCBACKOUTEXITCODEPTR	11	8
ATRSRPCCOMMITEXITCODEPTR	10	
ATRSRPCPARMLIST	C	
ATRSRPCPREPAREEXITCODEPTR	0	
ATRSRPCRETURNCODEPTR	8	
ATRSRPCROLEPTR	0	
ATRSRPCURITOKENPTR	14	
ATRSUBORDINATEFAILEDEXITSUPPORT	4	
ATRSUSIELEMENTCOUNTPTR	10	20
ATRSUSIPARMLIST	8	
ATRSUSIRETURNCODEPTR	0	
ATRSUSISIDEINFOARRAYPTR	0	
ATRSUSIURITOKENPTR	C	
ATRSUSI2ELEMENTCOUNTPTR	4	
ATRSUSI2PARMLIST	8	
ATRSUSI2RETURNCODEPTR	0	
ATRSUSI2SIDEINFOARRAYPTR	0	
ATRSUSI2URORURITOKENPTR	C	
ATRSWIDPARMLIST	4	
ATRSWIDRETURNCODEPTR	0	
ATRSWIDSETOPTIONPTR	0	
ATRSWIDURITOKENPTR	8	
ATRSWIDUWIDDATAPTR	4	
ATRSWIDUWIDLENPTR	14	
ATRSWIDUWIDTYPEPTR	10	
ATRSWID2PARMLIST	C	
ATRSWID2RETURNCODEPTR	0	
ATRSWID2SETOPTIONPTR	0	
ATRSWID2URORURITOKENPTR	8	
ATRSWID2UWIDDATAPTR	4	
ATRSWID2UWIDLENPTR	14	
ATRSWID2UWIDTYPEPTR	10	
ATRSWID2UWIDTYPEPTR	C	
ATRX_ABSTAIN	0	14

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATRX_BACKOUT	0	8	ATRXPARMURITOKENPTR		
ATRX_BACKOUT_OUTCOME_PENDING				18	
	0	C	ATRXPARMVALUE1PTR		
ATRX_DEFER	0	40		24	
ATRX_FORGET	0	10	ATRXPARMVALUE2PTR		
ATRX_HC	0	24		28	
ATRX_HM	0	2C	ATRXPARMVALUE3PTR		
ATRX_HM_BACKOUT				2C	
	0	38	ATRXPARMVALUE4PTR		
ATRX_HM_COMMIT				30	
	0	3C	ATRXPARMVALUE5PTR		
ATRX_HR	0	28		34	
ATRX_LATER	0	30	ATRXPARMVERSIONPTR		
ATRX_LATER_CONTINUE				4	
	0	34	ATRXVERSION1	0	1
ATRX_OK	0	0	ATR4ABAKLOGOPTIONPTR		
ATRX_OK_OUTCOME_PENDING				10	
	0	4	ATR4ABAKPARMLIST		
ATRX_REDRIVE	0	1C		0	
ATRX_STATE_INCORRECT			ATR4ABAKRETURNCODEPTR		
	0	20		0	
ATRX_UNSET_RM			ATR4ABAKURITOKENPTR		
	0	404		8	
ATRXFLAGAPPLICATIONASYNCABEND			ATR4ACMTLOGOPTIONPTR		
	1	40		10	
ATRXFLAGCASCADEDUR			ATR4ACMTPARMLIST		
	1	10		0	
ATRXFLAGCOMMIT			ATR4ACMTReturnCODEPTR		
	1	80		0	
ATRXFLAGHEURISTICMIXED			ATR4ACMTURITOKENPTR		
	0	10		8	
ATRXFLAGIMMEDIATEBACKOUT			ATR4ADCTCOMMITOPTIONSPTR		
	0	2		18	
ATRXFLAGPREPARERESULTFORGET			ATR4ADCTLOGOPTIONPTR		
	0	4		10	
ATRXFLAGREDRIVELIMIT			ATR4ADCTPARMLIST		
	0	1		0	
ATRXFLAGRESOLVEDBYINSTALLATION			ATR4ADCTRETURNCODEPTR		
	0	20		0	
ATRXFLAGRESTARTINTEREST			ATR4ADCTURITOKENPTR		
	0	80		8	
ATRXFLAGRESYNCPROGRESS			ATR4AFGTLOGOPTIONPTR		
	0	8		10	
ATRXFLAGRETAININTINV			ATR4AFGTPARMLIST		
	1	20		0	
ATRXFLAGTERMINATINGSYNCPPOINT			ATR4AFGTRETURNCODEPTR		
	0	40		0	
ATRXFLAGTRANSACTIONMODE			ATR4AFGTURITOKENPTR		
	1	C		8	
ATRXPARMEMNAMEPTR			ATR4APRPLOGOPTIONPTR		
	10			10	
ATRXPARMEXITFLAGS			ATR4APRPPARMLIST		
	0			0	
ATRXPARMEXITFLAGSBYTE1			ATR4APRPRETURNCODEPTR		
	0			0	
ATRXPARMEXITFLAGSBYTE2			ATR4APRPURITOKENPTR		
	1			8	
ATRXPARMEXITFLAGSBYTE3			ATR4BACKPARMLIST		
	2			0	
ATRXPARMEXITFLAGSBYTE4			ATR4BACKRETURNCODEPTR		
	3			0	
ATRXPARMEXITFLAGSPTR			ATR4BEGDIAGAREAPTR		
	20			8	
ATRXPARMEXITNUMBERPTR			ATR4BEGPARMLIST		
	8			0	
ATRXPARMLIST			ATR4BEGRETURNCODEPTR		
	0			0	
ATRXPARMNONPERSISTENTDATAPTR			ATR4BEGTRANMODEPTR		
	1C			10	
ATRXPARMRETURNCODEPTR			ATR4BEGURIDPTR		
	0			20	
ATRXPARMRMGLOBALDATAPTR			ATR4BEGURTOKENPTR		
	14			18	
ATRXPARMRMTOKENPTR			ATR4CCURCHILDCONTEXTTOKENPTR		
	C				

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR4CCURCHILDURID	10		ATR4ENDRETURNCODEPTR	0	
ATR4CCURCHILDURTOKEN	20		ATR4IBRSPARMLIST	0	
ATR4CCURCREATEOPTIONS	18		ATR4IBRSRETURNCODEPTR	0	
ATR4CCURPARENTURTOKENPTR	28		ATR4IBRSRMTOKENPTR	0	
ATR4CCURPARMLIST	8		ATR4IERSPARMLIST	8	
ATR4CCURRETURNCODEPTR	0		ATR4IERSRETURNCODEPTR	0	
ATR4CMITPARMLIST	0		ATR4IERSRMTOKENPTR	0	
ATR4CMITRETURNCODEPTR	0		ATR4IRLNPARMLIST	8	
ATR4DINTPARMLIST	0		ATR4IRLNRETURNCODEPTR	0	
ATR4DINTRETURNCODEPTR	0		ATR4IRLNRMLOGNAMEBUFPTR	0	
ATR4DINTURITOKENPTR	0		ATR4IRLNRMLOGNAMELENGTHPTR	10	
ATR4DPSPPARMLIST	8		ATR4IRLNRMLOGNAMELENGTHPTR	18	
ATR4DPSPPETOKENPTR	0		ATR4IRLNRMLOGNAMEPTR	20	
ATR4DPSPRETURNCODEPTR	10		ATR4IRLNRMTOKENPTR	8	
ATR4DPSPURTOKENPTR	0		ATR4IRLNRRSLOGNAMELENGTHPTR	28	
ATR4EINTCONTEXTTOKENPTR	8		ATR4IRLNRRSLOGNAMEPTR	30	
ATR4EINTCURRCONTEXTTOKENPTR	10		ATR4IRNICONTEXTTOKENPTR	10	
ATR4EINTCURRNONPDATAPTR	28		ATR4IRNIPARMLIST	0	
ATR4EINTDIAGAREAPTR	48		ATR4IRNIPDATABUFFERLENGTHPTR	38	
ATR4EINTINTERESTOPTIONS	78		ATR4IRNIPDATALENGTHPTR	40	
ATR4EINTNONPERSISTENTDATAPTR	38		ATR4IRNIPDATAPTR	48	
ATR4EINTPARENTURTOKENPTR	40		ATR4IRNIRETURNCODEPTR	0	
ATR4EINTPARMLIST	70		ATR4IRNIRMTOKENPTR	8	
ATR4EINTPDATALNGTHPTR	0		ATR4IRNIROLEPTR	28	
ATR4EINTPDATAPTR	50		ATR4IRNIURIDPTR	20	
ATR4EINTRETURNCODEPTR	58		ATR4IRNIURITOKENPTR	18	
ATR4EINTRMTOKENPTR	0		ATR4IRNIURSTATEPTR	30	
ATR4EINTTRANMODEPTR	8		ATR4IRRINONPERSISTENTDATAPTR	18	
ATR4EINTURIDPTR	80		ATR4IRRIPARMLIST	0	
ATR4EINTURITOKENPTR	30		ATR4IRRIRESPOSECODEPTR	10	
ATR4EINTURTOKENPTR	18		ATR4IRRIRETURNCODEPTR	0	
ATR4EINTXIDLENGTHPTR	20		ATR4IRRIURITOKENPTR	8	
ATR4EINTXIDPTR	60		ATR4ISLNPARMLIST	0	
ATR4ENDACTIONPTR	68		ATR4ISLNRETURNCODEPTR	0	
ATR4ENDCURRURTOKENPTR	10		ATR4ISLNRMLOGNAMELENGTHPTR	10	
ATR4ENDDIAGAREAPTR	18		ATR4ISLNRMLOGNAMEPTR	18	
ATR4ENDPARMLIST	8		ATR4ISLNRMTOKENPTR	8	
			ATR4PDUECOMPLETIONCODEPTR		

ATTRASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR4PDUEXITNUMBERPTR	18		ATR4RURDURIDPTR	20	
ATR4PDUEPARMLIST	10		ATR4RURDURORURITOKENPTR	10	
ATR4PDUERETURNCODEPTR	0		ATR4RURDURSTATEPTR	8	
ATR4PDUEURITOKENPTR	0		ATR4RURDURTOKENPTR	18	
ATR4RDTAPARMLIST	8		ATR4RUSFCONTEXTTOKENPTR	28	
ATR4RDTARETURNCODEPTR	0		ATR4RUSFENVINFOPTR	8	
ATR4RDTARMMETADATABUFFERLENGTHPTR	0		ATR4RUSFFPARMLIST	10	
ATR4RDTARMMETADALengthPTR	10		ATR4RUSFFRETURNCODEPTR	0	
ATR4RDTARMMETADATAPTR	18		ATR4RUSFSIDEINFOPTIONSPTR	0	
ATR4RDTARMTOKENPTR	20		ATR4RUSIELEMENTCOUNTPTR	18	
ATR4REICCONTEXTTOKENPTR	8		ATR4RUSIPARMLIST	10	
ATR4REICINTERESTCOUNTINFOPTR	8		ATR4RUSIRETURNCODEPTR	0	
ATR4REICPARMLIST	10		ATR4RUSISIDEINFOARRAYPTR	0	
ATR4REICRETURNCODEPTR	0		ATR4RUSISIDEINFOSTATEARRAYPTR	18	
ATR4RENVCONTEXTTOKENPTR	0		ATR4RUSIURORURITOKENPTR	20	
ATR4RENVDIAGAREAPTR	18		ATR4RWIDGENERATEOPTIONPTR	8	
ATR4RENVELEMENTCOUNTPTR	8		ATR4RWIDPARMLIST	18	
ATR4RENVENVSETTINGIDPTR	28		ATR4RWIDRETRIEVEOPTIONPTR	0	
ATR4RENVENVSETTINGPROCTPTR	30		ATR4RWIDRETURNCODEPTR	10	
ATR4RENVENVSETTINGPTR	40		ATR4RWIDURORURITOKENPTR	0	
ATR4RENVPARMLIST	38		ATR4RWIDUWIDBUFFERLENPTR	8	
ATR4RENVRETURNCODEPTR	0		ATR4RWIDUWIDDATAPTR	28	
ATR4RENVSCOPEPTR	0		ATR4RWIDUWIDLENPTR	38	
ATR4RENVSTOKENPTR	10		ATR4RWIDUWIDTYPEPTR	30	
ATR4RIDEXPOFINTTYPEPTR	20		ATR4SDTAPARMLIST	20	
ATR4RIDINTERESTTYPEPTR	38		ATR4SDTARETURNCODEPTR	0	
ATR4RIDNONPERSISTENTDATAPTR	30		ATR4SDTARMMETADALengthPTR	0	
ATR4RIDPARMLIST	10		ATR4SDTARMMETADATAPTR	10	
ATR4RIDPDATABUFFERLENGTHPTR	0		ATR4SDTARMTOKENPTR	18	
ATR4RIDPDALengthPTR	18		ATR4SENVCONTEXTTOKENPTR	8	
ATR4RIDPDATAPTR	20		ATR4SENVDIAGAREAPTR	18	
ATR4RIDRETURNCODEPTR	28		ATR4SENVVELEMENTCOUNTPTR	8	
ATR4RIDROLEPTR	0		ATR4SENVENVSETTINGIDPTR	28	
ATR4RIDURITOKENPTR	40		ATR4SENVENVSETTINGPROCTPTR	30	
ATR4RURDPARMLIST	8		ATR4SENVENVSETTINGPTR	40	
ATR4RURDRETURNCODEPTR	0		ATR4SENVENVSETTINGPTR	38	
ATR4RURDSTATESOPTIONPTR	0		ATR4SENVPARMLIST	0	
			ATR4SENVRETURNCODEPTR	0	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATR4SENVSCOPEPTR	0		ATR4SUSIRETURNCODEPTR	0	
ATR4SENVSTOKENPTR	10		ATR4SUSISIDEINFOARRAYPTR	0	
ATR4SITFAILUREACTIONPTR	20		ATR4SUSIURORURITOKENPTR	18	
ATR4SITINTERESTTYPEPTR	20		ATR4SWIDPARMLIST	8	
ATR4SITPARMLIST	18		ATR4SWIDRETURNCODEPTR	0	
ATR4SITPDATALENGHPTR	0		ATR4SWIDSETOPTIONPTR	0	
ATR4SITPDATAPTR	28		ATR4SWIDURORURITOKENPTR	10	
ATR4SITRETURNCODEPTR	30		ATR4SWIDUWIDATAPTR	8	
ATR4SITURIDPTR	0		ATR4SWIDUWIDLENPTR	28	
ATR4SITURITOKENPTR	10		ATR4SWIDUWIDLENPTR	20	
ATR4SPIDPARMLIST	8		ATR4SWIDUWIDTYPEPTR	18	
ATR4SPIDPDATALENGHPTR	0		ATR64BITADDRESSABILITYSUPPORTED	10	8
ATR4SPIDPDATAPTR	10				
ATR4SPIDRETURNCODEPTR	18				
ATR4SPIDURITOKENPTR	0				
ATR4SPSPPARMLIST	8				
ATR4SPSPPETOKENPTR	0				
ATR4SPSPRETURNCODEPTR	10				
ATR4SPSPURTOKENPTR	0				
ATR4SROIINTERESTOPTIONSPT	8				
ATR4SROIINONPERSISTENTDATAPTR	20				
ATR4SROIIPARMLIST	10				
ATR4SROIIPDATALENGHPTR	28				
ATR4SROIIPDATAPTR	0				
ATR4SROIRETURNCODEPTR	30				
ATR4SROIURIDPTR	38				
ATR4SROIURITOKENPTR	0				
ATR4SSPCBACKOUTEXITCODEPTR	18				
ATR4SSPCCOMMITEXITCODEPTR	8				
ATR4SSPCPARMLIST	20				
ATR4SSPCPREPAREEXITCODEPTR	18				
ATR4SSPCRETURNCODEPTR	0				
ATR4SSPCROLEPTR	10				
ATR4SSPCURITOKENPTR	0				
ATR4SUSIELEMENTCOUNTPTR	28				
ATR4SUSIPARMLIST	8				
	10				

ATRSASM Information

ATRSASM Programming Interface information

Programming Interface information

ATRSASM

End of Programming Interface information

ATRSASM Heading Information • ATRSASM Map

ATRSASM Heading Information

Common Name: RRS Assembler Declares for SRR services
Macro ID: ATRSASM
DSECT Name: SRRBACKPARMLIST, SRRRCMITPARMLIST
Owning Component: RRS (SCRRES)
Eye-Catcher ID: none
Storage Attributes: Subpool: Determined by caller of SRR callable service
Key: Determined by caller of SRR callable service
Residency: Determined by caller of SRR callable service
Size: 4 bytes each
Created by: Programs which invoke SRR callable services
Pointed to by: Register 1 on entry to the corresponding SRR callable service
Serialization: n/a
Function: ATRSASM defines RRS constants and declares for programs written in the Assembler language which will invoke the RRS SRR callable services (e.g. SRRBACK, SRRRCMIT).

ATRSASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SRRBACKPARMLIST	
0	(0)	ADDRESS	4	SRRBACKRETURNCODEPTR	Address of return code

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SRRRCMITPARMLIST	
0	(0)	ADDRESS	4	SRRRCMITRETURNCODEPTR	Address of return code

ATRSZAUZ Information

ATRSZAUZ Programming Interface information

Programming Interface information

ATRSZAUZ

End of Programming Interface information

ATRSZAUH Heading Information

ATRSZAUH Heading Information

Common Name: RRS Archive Log Block
Macro ID: ATRSZAUR
DSECT Name: ATRSZAUR, ATRSZAUR_UR_DATA, ATRSZAUR_URI_DATA, ATRSZAUR_XID_DATA
Owning Component: Resource Recovery Services (SCRRS)
Eye-Catcher ID: ATRSZAUR
Offset: 0
Length: 8

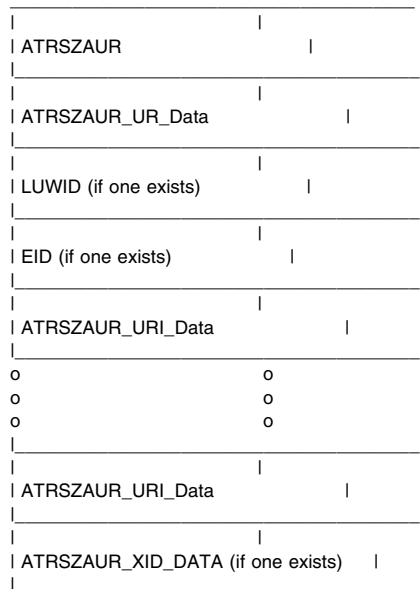
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A

Size: ATRSZAUR (36 bytes)
ATRSZAUR_UR_DATA (152 bytes)
ATRSZAUR_URI_DATA (100 bytes)
ATRSZAUR_XID_DATA (13 bytes minimum,
140 bytes maximum)

Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: This macro contains constants and declares for the RRS Archive log block
The log block is comprised of the following data areas:

- Header information (mapped by ATRSZAUR)
- UR information (mapped by ATRSZAUR_UR_DATA)
- Base data portion
- Offset of the XID within the log block
- a LUWID, if one exists
- an EID, if one exists
- one or more URI information blocks (mapped by ATRSZAUR_URI_DATA)
- an XID, if one exists (mapped by ATRSZAUR_XID_DATA)

Use the lengths in each block to move from one data area to another.



SysPlex Subordinate Buffer Processing:
- ATRSMXPR (Subordinate Prepare)
Log Point"
Collect Archive Log Data (inot Local Log Buffer Queue)
Local Log Buffer Queue -> XUR (Archive Log Buffer Queue)
- ATRXMSCB (Subordinate SyncPoint Reply Processing)
XUR (Archive Log Buffer Queue) -> Message Block
SysPlex Coordinator Buffer Processing:
- ATRXMSCB (SyncPoint Subordinates Back End Processing)
Message Block -> SA (Archive Log Buffer Queue)
- ATRLMLLOG (Ending Log Point Processing)
SA (Archive Log Buffer Queue) -> Local Log Buffer Queue
Local Log Buffer Queue - IXGWriteAsync

ATRSZAU Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZAU	
0	(0)	DBL WORD	8	AUR_HEADER (0)	AUR header mapping
0	(0)	CHARACTER	8	AUR_EYECATCHER	Control block identifier
8	(8)	SIGNED	4	AUR_VERSION	Control block version
12	(C)	SIGNED	4	AUR_LENGTH	AUR header length
16	(10)	CHARACTER	8	AUR_SYSTEM_NAME	Name of system that wrote this block
24	(18)	SIGNED	4	AUR_INTEREST_COUNT	Number of URI data blocks
28	(1C)	SIGNED	4	AUR_AMOUNTTRUNCATED	Amount of data truncated when the AUR was written to the RRS Archive log.
32	(20)	CHARACTER	4	AUR_RSV	Reserved
32	(20)	X'24'	0	ATRSZAU_VERS_2_DATA	*** AUR_UR Version 2 Data
36	(24)	SIGNED	4	AUR_TOTALNUMBEROFBLOCKS	Total number of log blocks required to log the cascaded UR family
40	(28)	SIGNED	4	AUR_BLOCKNUMBER	Block number
44	(2C)	CHARACTER	8	AUR_NEXTBLOCKID	Block ID of the previously logged block - used to perform a direct read for the next block of a multi-block log record
44	(2C)	X'34'	0	ATRSZAU_VERS_3_DATA	*** AUR_UR Version 3 Data
52	(34)	BITSTRING	4	AUR_FLAGS (0)	Indicator flags
52	(34)	BITSTRING	1	AUR_FLAGSBYTE1	Byte 1
		1...		AUR_CFAMILY	"X'80" This log block is part of a cascaded UR family
		.1..		AUR_SYSPLEXFAMILY	"X'40" This log block is part of a sysplex cascaded UR family
53	(35)	BITSTRING	1	AUR_FLAGSBYTE2	Byte 2
54	(36)	BITSTRING	1	AUR_FLAGSBYTE3	Byte 3
55	(37)	BITSTRING	1	AUR_FLAGSBYTE4	Byte 4
56	(38)	CHARACTER	32	AUR_SURID	SURID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZAU_UR_DATA	UR data mapping
0	(0)	X'0'	0	ATR_UR_BASE_DATA	*** UR data that is logged for all RRS releases
0	(0)	SIGNED	4	AUR_UR_VERSION	Control block version
4	(4)	SIGNED	4	AUR_UR_LENGTH	UR data length
8	(8)	BITSTRING	16	AUR_UR_URID	UR identifier
24	(18)	SIGNED	4	AUR_UR_SYNCPOINT_TYPE	UR sync-point type. Possible values (defined in ATTRASM):
28	(1C)	BITSTRING	4	AUR_UR_FLAGS	UR flags. Not externalized.
32	(20)	SIGNED	4	AUR_UR_SYNCPOINT_RC	Sync-point return code
36	(24)	CHARACTER	8	AUR_UR_STARTTIME	UR create timestamp (GMT)
44	(2C)	CHARACTER	8	AUR_UR_ENDURTIME	UR end timestamp (GMT)
52	(34)	SIGNED	4	AUR_UR_EXITRESULT (9)	Array of exit results
88	(58)	CHARACTER	8	AUR_UR_JOBNAME	Jobname that requested the syncpoint
96	(60)	CHARACTER	8	AUR_UR_USERID	Userid that requested the syncpoint
104	(68)	SIGNED	4	AUR_UR_LUWID_LENGTH	LUWID length. If zero, no LUWID for this UR
108	(6C)	SIGNED	4	AUR_UR_EID_LENGTH	EID length. If zero, no EID for this UR

ATRSZUR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
112	(70)	CHARACTER	4	AUR_UR_RSV	Reserved
112	(70)	X'74'	0	ATR_UR_MORE_DATA	****
112	(70)	X'74'	0	ATRSZUR_UR_MORE_DATA	****
112	(70)	X'74'	0	ATRSZUR_UR_VERS_2_DATA	**** AUR_UR Version 2 Data
116	(74)	SIGNED	4	AUR_UR_XID_OFFSET	Offset of an XID within the log block
116	(74)	X'78'	0	ATRSZUR_UR_VERS_3_DATA	**** AUR_UR Version 3 Data
120	(78)	CHARACTER	32	AUR_UR_WORK_MANAGER_NAME	Work Manager Name.
120	(78)	X'98'	0	ATRSZUR_UR_VERS_4_DATA	**** AUR_UR Version 4 Data
152	(98)	BITSTRING	16	AUR_UR_PARENT_URID	UR identifier of the parent UR
168	(A8)	SIGNED	4	AUR_UR_NEXTAUR_OFFSET	Offset of the next UR entry within the log block

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZUR_UR_READ_DATA	UR data mapping - for read use only
0	(0)	CHARACTER	116	AUR_UR_R_BASE_DATA	UR data that is logged for all RRS releases
116	(74)	SIGNED	4	AUR_UR_R_XID_OFFSET	Offset of the XID within the log block
120	(78)	CHARACTER	32	AUR_UR_R_WORK_MANAGER_NAME	Work Manager Name
152	(98)	BITSTRING	16	AUR_UR_R_PARENT_URID	UR identifier of the parent UR
168	(A8)	SIGNED	4	AUR_UR_R_NEXTAUR_OFFSET	Offset of the next UR entry within the log block

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZUR_URI_DATA	URI data mapping
0	(0)	SIGNED	4	AUR_URI_VERSION	Control block version
4	(4)	SIGNED	4	AUR_URI_LENGTH	URI data length
8	(8)	CHARACTER	32	AUR_URI_RMNAME	Resource manager name
40	(28)	SIGNED	4	AUR_URI_ROLE	URI role. Possible values (defined in ATRRASM): ATR_PARTICIPANT ATR_LAST_AGENT ATR_DSRM ATR_SDSRM
44	(2C)	BITSTRING	4	AUR_URI_FLAGS	Exit flags
48	(30)	SIGNED	4	AUR_URI_EXIT_RESULT	(9)
84	(54)	SIGNED	4	AUR_URI_TWO_PHASE_PROTOCOL	Array of exit results URI protocol. Possible values (defined in ATRRASM): ATRPresumedNothing ATRPresumedAbort
88	(58)	SIGNED	4	AUR_URI_INTEREST_TYPE	URI interest type. Possible values (defined in ATRRASM): ATRProtected ATRUnprotected
92	(5C)	CHARACTER	4	AUR_UR_RSV	Reserved
92	(5C)	X'60'	0	AUR_UR_MORE_DATA	**** !
92	(5C)	X'60'	0	AUR_UR_VERS_2_DATA	**** AUR_URI Version 2 Data !
96	(60)	SIGNED	4	AUR_URI_PRE_PREPARE_EXIT_RESULT	

ATRSZAU Cross Reference

Name	Hex Offset	Hex Value
ATR_UR_BASE_DATA	0	0
ATR_UR_MORE_DATA	70	74
ATRSZAU	0	
ATRSZAU_UR_DATA	0	
ATRSZAU_UR_MORE_DATA	70	74
ATRSZAU_UR_READ_DATA	0	
ATRSZAU_UR_VERS_2_DATA	70	74
ATRSZAU_UR_VERS_3_DATA	74	78
ATRSZAU_UR_VERS_4_DATA	78	98
ATRSZAU_URI_DATA	0	
ATRSZAU_VERS_2_DATA	20	24
ATRSZAU_VERS_3_DATA	2C	34
AUR_AMOUNTTRUNCATED	1C	
AUR_BLOCKNUMBER	28	
AUR_CFAMILY	34	80
AUR_EYECATCHER	0	
AUR_FLAGS	34	
AUR_FLAGSBYTE1	34	
AUR_FLAGSBYTE2	35	
AUR_FLAGSBYTE3	36	
AUR_FLAGSBYTE4	37	
AUR_HEADER	0	
AUR_INTEREST_COUNT	18	
AUR_LENGTH	C	
AUR_NEXTBLOCKID	2C	
AUR_RSV	20	
AUR_SURID	38	
AUR_SYSPLEXFAMILY	34	40
AUR_SYSTEM_NAME	10	
AUR_TOTALNUMBEROFBLOCKS	24	
AUR_UR_EID_LENGTH	6C	
AUR_UR_ENDURTIME	2C	
AUR_UR_EXITRESULT	34	
AUR_UR_FLAGS	1C	
AUR_UR_JOBNAME	58	
AUR_UR_LENGTH	4	
AUR_UR_LUWID_LENGTH	68	
AUR_UR_NEXTAUR_OFFSET	A8	
AUR_UR_PARENT_URID	98	
AUR_UR_R_BASE_DATA	0	

Name	Hex Offset	Hex Value
AUR_UR_R_NEXTAUR_OFFSET	A8	
AUR_UR_R_PARENT_URID	98	
AUR_UR_R_WORK_MANAGER_NAME	78	
AUR_UR_R_XID_OFFSET	74	
AUR_UR_RSV	70	
AUR_UR_STARTTIME	24	
AUR_UR_SYNCPOINT_RC	20	
AUR_UR_SYNCPOINT_TYPE	18	
AUR_UR_URID	8	
AUR_UR_USERID	60	
AUR_UR_VERSION	0	
AUR_UR_WORK_MANAGER_NAME	78	
AUR_UR_XID_OFFSET	74	
AUR_URI_EXIT_RESULT	30	
AUR_URI_FLAGS	2C	
AUR_URI_INTEREST_TYPE	58	
AUR_URI_LENGTH	4	
AUR_URI_MORE_DATA	5C	60
AUR_URI_PRE_PREPARE_EXIT_RESULT	60	
AUR_URI_RMNAME	8	
AUR_URI_ROLE	28	
AUR_URI_RSV	5C	
AUR_URI_TWO_PHASE_PROTOCOL	54	
AUR_URI_VERS_2_DATA	5C	60
AUR_URI_VERSION	0	
AUR_VERSION	8	

ATRSZPUR Information

ATRSZPUR Programming Interface information

Programming Interface information

ATRSZPUR

End of Programming Interface information

ATRSZPUR Heading Information

ATRSZPUR Heading Information

Common Name: RRS UR/Restart Log Block
Macro ID: ATRSZPUR
DSECT Name: ATRSZPUR, ATRSZPUR_HDR_DATA, ATRSZPUR_UR_DATA, ATRSZPUR_URI_DATA, ATRSZPUR_XID_DATA
Owning Component: Resource Recovery Services (SCRRS)
Eye-Catcher ID: ATRSCPUR
Offset: 0
Length: 8

Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A

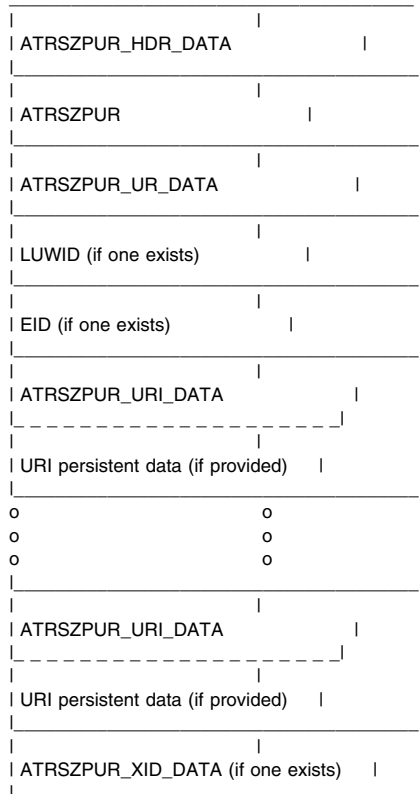
Size: ATRSZPUR (24 bytes)
ATRSZPUR_HDR_DATA (62 bytes)
ATRSZPUR_UR_DATA (100 bytes)
ATRSZPUR_URI_DATA (72 bytes)
ATRSZPUR_XID_DATA (13 bytes minimum,
140 bytes maximum)

Created by: N/A
Pointed to by: N/A
Serialization: N/A

Function: This macro contains constants and declares for the RRS UR and Restart log blocks
The log block is comprised of the following data areas:

- Block information (mapped by ATRSZPUR_HEADER)
- Header information (mapped by ATRSZPUR)
- UR information (mapped by ATRSZPUR_UR_DATA)
- Base data portion
- Offset of the XID within the log block
- UR function map
- a LUWID, if one exists
- an EID, if one exists
- one or more URI information groups containing:
- URI information (mapped by ATRSZPUR_URI_DATA)
- URI persistent data, if it exists
- an XID, if one exists (mapped by ATRSZPUR_XID_DATA)

Use the lengths in each block to move from one data area to another.



ATRSZPUR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZPUR	
0	(0)	DBL WORD	8	PUR_HEADER (0)	PUR header mapping
0	(0)	CHARACTER	8	PUR_EYECATCHER	
8	(8)	SIGNED	4	PUR_VERSION	Control block identifier
12	(C)	SIGNED	4	PUR_LENGTH	Control block version
16	(10)	SIGNED	4	PUR_INTEREST_COUNT	PUR header length
20	(14)	SIGNED	4	PUR_AMOUNTTRUNCATED	Number of URI data blocks in the Top Level UR
					Amount of data truncated when the PUR was written to the RRS Archive log. Only valid for PURs in the Archive log.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZPUR_UR_DATA	
0	(0)	X'0'	0	ATRSZPUR_UR_BASE_DATA	UR data mapping - for write use only
0	(0)	SIGNED	4	PUR_UR_VERSION	"" UR data which is logged for all RRS releases
4	(4)	SIGNED	4	PUR_UR_LENGTH	Control block version
8	(8)	BITSTRING	16	PUR_UR_URID	UR data length
24	(18)	SIGNED	4	PUR_UR_STATE	UR identifier
					UR state. Possible values (defined in ATRRASM): ATR_IN_RESET ATR_IN_FLIGHT ATR_IN_STATE_CHECK ATR_IN_PREPARE ATR_IN_DOUBT ATR_IN_COMMIT ATR_IN_BACKOUT ATR_IN_END ATR_IN_ONLY_AGENT ATR_IN_COMPLETION ATR_FORGOTTEN ATR_IN_FORGET
28	(1C)	BITSTRING	4	PUR_UR_EXIT_FLAGS	
32	(20)	BITSTRING	4	PUR_UR_FLAGS	Exit flags. Mapped by ATRXPARMEXITFLAGS in ATRRASM
36	(24)	SIGNED	4	PUR_UR_LUWID_LENGTH	UR flags. Not externalized.
40	(28)	SIGNED	4	PUR_UR_EID_LENGTH	LUWID length. If zero, no LUWID for this UR
44	(2C)	CHARACTER	4	PUR_UR_RSV	EID length. If zero, no EID for this UR
44	(2C)	X'30'	0	ATRSZPUR_UR_MORE_DATA	Reserved
44	(2C)	X'30'	0	ATRSZPUR_UR_VERS_2_DATA	""
48	(30)	SIGNED	4	PUR_UR_XID_OFFSET	"" PUR_UR Version 2 Data
52	(34)	BITSTRING	8	PUR_UR_FUNCTION_MAP	Offset of the XID within the log block
52	(34)	X'3C'	0	ATRSZPUR_UR_VERS_3_DATA	UR function map.
60	(3C)	CHARACTER	32	PUR_UR_WORK_MANAGER_NAME	"" PUR_UR Version 3 Data
92	(5C)	CHARACTER	8	PUR_UR_CREATE_TIME	Work Manager Name.
92	(5C)	X'64'	0	ATRSZPUR_UR_VERS_4_DATA	GMT Time of UR creation.
100	(64)	BITSTRING	16	PUR_UR_PARENT_URID	"" PUR_UR Version 4 Data
116	(74)	SIGNED	4	PUR_UR_NEXTPUR_OFFSET	UR identifier of the parent UR
					Offset of the next UR entry within the log block

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZPUR_UR_READ_DATA	
0	(0)	CHARACTER	48	PUR_UR_R_BASE_DATA	UR data mapping - for read use only
48	(30)	SIGNED	4	PUR_UR_R_XID_OFFSET	UR data that is logged for all RRS releases
52	(34)	BITSTRING	8	PUR_UR_R_FUNCTION_MAP	Offset of the XID within the log block
					UR function map

ATRSZPUR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	CHARACTER	32	PUR_UR_R_WORK_MANAGER_NAME	Work Manager Name
92	(5C)	CHARACTER	8	PUR_UR_R_CREATE_TIME	GMT Time of UR Creation.
100	(64)	BITSTRING	16	PUR_UR_R_PARENT_URID	UR identifier of the parent UR
116	(74)	SIGNED	4	PUR_UR_R_NEXTPUR_OFFSET	Offset of the next UR entry within the log block

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZPUR_URI_DATA	URI data mapping
0	(0)	SIGNED	4	PUR_URI_VERSION	Control block version
4	(4)	SIGNED	4	PUR_URI_LENGTH	URI data length
8	(8)	CHARACTER	32	PUR_URI_RMNAME	Resource manager name
40	(28)	SIGNED	4	PUR_URI_ROLE	URI role. Possible values (defined in ATRRASM): ATR_PARTICIPANT ATR_LAST_AGENT ATR_DSRM ATR_SDSRM
44	(2C)	SIGNED	4	PUR_URI_TWO_PHASE_PROTOCOL	URI protocol. Possible values (defined in ATRRASM): ATRPresumedNothing ATRPresumedAbort
48	(30)	SIGNED	4	PUR_URI_COMMIT_EXITCODE	Commit code. Possible values (defined in ATRRASM): ATR_COMMIT_OK ATR_DRIVE_COMMIT_EXIT
52	(34)	SIGNED	4	PUR_URI_BACKOUT_EXITCODE	Backout code. Possible values (defined in ATRRASM): ATR_BACKOUT_OK ATR_DRIVE_BACKOUT_EXIT
56	(38)	SIGNED	4	PUR_URI_PDATA_LENGTH	Persistent data length. If zero, no persistent data for this URI.
60	(3C)	CHARACTER	8	PUR_URI_RM_INSTANCE_NUMBER	RM Instance Number. Used to identify complete units of recovery, that are logically deleted, but have not been compressed out of the UR State Logs.
68	(44)	CHARACTER	4	PUR_URI_RSV	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRSZPUR_HDR_DATA	Block header mapping
0	(0)	X'0'	0	LOGRECORD_HDR_BASE_DATA	*** PUR_HDR base data
0	(0)	CHARACTER	8	LOGRECORDEYECATCHER	Log Block Eyecatcher
8	(8)	SIGNED	4	LOGRECORDVERSION	Log Block Version Number
12	(C)	SIGNED	4	BASELENGTH	Control block length
16	(10)	SIGNED	4	VARIABLELENGTH	Length of logged data
20	(14)	CHARACTER	8	LOGGINGSYSTEMNAME	Logging system name
28	(1C)	CHARACTER	26	LOGRECORDSTREAMNAME	Log stream name
54	(36)	CHARACTER	8	PREVIOUSBLOCKID	Block ID of previous logging for this UR
62	(3E)	CHARACTER	2	NOTUSED	Not used - force word boundary

Comment

BufferBlockSize Not Used in ASM mapping

End of Comment

62	(3E)	X'40'	0	LOGRECORD_HDR_VERS_2_DATA	*** PUR_HDR Version 2 Data
64	(40)	CHARACTER	8	NEXTBLOCKID	The block ID of the previously logged block - used to perform a direct read for the next block of a multiblock log record
72	(48)	SIGNED	4	NEXTBLOCKPTR	Pointer to the next block within a multiblock log record (only meaningful while the log blocks are in storage)
76	(4C)	SIGNED	4	TOTALNUMOFBLOCKS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	SIGNED	4	BLOCKNUMBER	Total number of log blocks required to log the cascaded UR family
80	(50)	X'54'	0	LOGRECORD_HDR_VERS_3_DATA	Block number
					*** PUR_HDR Version 3 Data
84	(54)	BITSTRING	4	LOGRECORDFLAGS (0)	
					Indicator flags
84	(54)	BITSTRING	1	LOGRECORDFLAGSBYTE1	Byte 1
		1... ..		LOGRECORDCFAMILY	
		.1... ..		LOGRECORDSYSPLEXFAMILY	"X'80" This log block is part of a cascaded UR family
					"X'40" This log block is part of a sysplex cascaded UR family
85	(55)	BITSTRING	1	LOGRECORDFLAGSBYTE2	Byte 2
86	(56)	BITSTRING	1	LOGRECORDFLAGSBYTE3	Byte 3
87	(57)	BITSTRING	1	LOGRECORDFLAGSBYTE4	Byte 4
88	(58)	CHARACTER	32	LOGRECORDSURID	SURID

ATRSZPUR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ATRSZPUR	0		LOGRECORDSYSPLEXFAMILY	54	40
ATRSZPUR_HDR_DATA	0		LOGRECORDVERSION	8	
ATRSZPUR_UR_BASE_DATA	0	0	NEXTBLOCKID	40	
ATRSZPUR_UR_DATA	0		NEXTBLOCKPTR	48	
ATRSZPUR_UR_MORE_DATA	0		NOTUSED	3E	
ATRSZPUR_UR_READ_DATA	2C	30	PREVIOUSBLOCKID	36	
ATRSZPUR_UR_VERS_2_DATA	0		PUR_AMOUNTTRUNCATED	14	
ATRSZPUR_UR_VERS_3_DATA	2C	30	PUR_EYECATCHER	0	
ATRSZPUR_UR_VERS_4_DATA	34	3C	PUR_HEADER	0	
ATRSZPUR_URI_DATA	5C	64	PUR_INTEREST_COUNT	10	
BASELENGTH	C		PUR_LENGTH	C	
BLOCKNUMBER	50		PUR_UR_CREATE_TIME	5C	
LOGGINGSYSTEMNAME	14		PUR_UR_EID_LENGTH	28	
LOGRECORD_HDR_BASE_DATA	0	0	PUR_UR_EXIT_FLAGS	1C	
LOGRECORD_HDR_VERS_2_DATA	3E	40	PUR_UR_FLAGS	20	
LOGRECORD_HDR_VERS_3_DATA	50	54	PUR_UR_FUNCTION_MAP	34	
LOGRECORDCFAMILY	54	80	PUR_UR_LENGTH	4	
LOGRECORDEYECATCHER	0		PUR_UR_LUWID_LENGTH	24	
LOGRECORDFLAGS	54		PUR_UR_NEXTPUR_OFFSET	74	
LOGRECORDFLAGSBYTE1	54		PUR_UR_PARENT_URID	64	
LOGRECORDFLAGSBYTE2	55		PUR_UR_R_BASE_DATA	0	
LOGRECORDFLAGSBYTE3	56		PUR_UR_R_CREATE_TIME	5C	
LOGRECORDFLAGSBYTE4	57		PUR_UR_R_FUNCTION_MAP	34	
LOGRECORDSTREAMNAME	1C		PUR_UR_R_NEXTPUR_OFFSET	74	
LOGRECORDSURID	58		PUR_UR_R_PARENT_URID	64	
			PUR_UR_R_WORK_MANAGER_NAME	3C	
			PUR_UR_R_XID_OFFSET		

ATRSZPUR Cross Reference

Name	Hex Offset	Hex Value
	30	
PUR_UR_RSV	2C	
PUR_UR_STATE	18	
PUR_UR_URID	8	
PUR_UR_VERSION	0	
PUR_UR_WORK_MANAGER_NAME	3C	
PUR_UR_XID_OFFSET	30	
PUR_URI_BACKOUT_EXITCODE	34	
PUR_URI_COMMIT_EXITCODE	30	
PUR_URI_LENGTH	4	
PUR_URI_PDATA_LENGTH	38	
PUR_URI_RM_INSTANCE_NUMBER	3C	
PUR_URI_RMNAME	8	
PUR_URI_ROLE	28	
PUR_URI_RSV	44	
PUR_URI_TWO_PHASE_PROTOCOL	2C	
PUR_URI_VERSION	0	
PUR_VERSION	8	
TOTALNUMOFBLOCKS	4C	
VARIABLELENGTH	10	

ATRTZRMD Information

ATRTZRMD Programming Interface information

Programming Interface information

ATRTZRMD

End of Programming Interface information

ATRTZRMD Heading Information • ATRTZRMD Map

ATRTZRMD Heading Information

Common Name: RRS RM Data Log Block
Macro ID: ATRTZRMD
DSECT Name: ATRTZRMD
Owning Component: Resource Recovery Services (SCRRS)
Eye-Catcher ID: ATRTCRMD
 Offset: 0
 Length: 8
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: 252 bytes
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: This macro contains constants and declares for the RRS RM Data log block

ATRTZRMD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRTZRMD	
0	(0)	CHARACTER	8	EYECATCHER	Control block eyecatcher
8	(8)	SIGNED	4	VERSIONNUM	Control block version
12	(C)	SIGNED	4	ENTRYLENGTH	Control block length
16	(10)	SIGNED	2	EVENTID	Last event for this block
18	(12)	BITSTRING	2	FLAGS (0)	
		1...		LOSSOFDATA	"X'80" ON means that log data may have been lost that could affect this resource manager. When the resource manager restarts, it will be presented with a possible loss of data error.
		.1..		DATAINRESTARTLOG	"X'40" When the RqdRstSystem field is blank, ON means that the resource manager has entries in the restart log. OFF means that the resource manager does not have entries in the restart log.
		..1.		RMD_RESTARTANYTIMESUPPORTED	"X'20" If ON, RM was last active on a restart anytime capable system. This will allow the RM to restart on any restart anytime capable system.
		...1		RMD_RINRESTARTANYWHERE MAYBE	"X'10" IF ON, a removeint was done for this RM by an R6 system. RM restart processing on a pre-R6 system must prevent the RM from restarting if any interests are found. !
20	(14)	CHARACTER	32	RM_NAME	Resource Manager name
52	(34)	SIGNED	4	RMLOGNAMELENGTH	Resource Manager log name length
56	(38)	CHARACTER	64	RMLOGNAME	Resource Manager log name
120	(78)	CHARACTER	8	RQDRSTSYSTEM	System where the resource manager is required to restart with RRS. This field has no meaning for the RRS resource manager entry.
128	(80)	CHARACTER	8	LASTACTSYSTEM	System where the resource manager was last active with RRS. This field has no meaning for the RRS resource manager entry.
136	(88)	CHARACTER	8	LOGGINGSYSTEM	System which wrote the log entry
144	(90)	CHARACTER	32	RRS_ENTRY_DATA (0)	Union for RRS Version Data !

Comment

The log stream versions are valid only for the RRS resource manager log entry

End of Comment

144	(90)	CHARACTER	8	RMD_MAINURLOGSTREAMVERSION	Main UR log stream version token
152	(98)	CHARACTER	8	RMD_DELAYEDURLOGSTREAMVERSION	Delayed UR log stream version token
160	(A0)	CHARACTER	8	RMD_RESTARTLOGSTREAMVERSION	Restart log stream version token
168	(A8)	CHARACTER	8	RMD_RMMETADATALOGSTREAMVERSION	RM Meta Data log stream version token !
144	(90)	CHARACTER	24		Unused space to get RMD_LOG_INSTANCE_NUMBER at the correct offset. !
168	(A8)	CHARACTER	8	RMD_LOG_INSTANCE_NUMBER	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
252	(FC)	X'FC'	0	ATRTZRM_LEN	RM Instance Number used to differentiate log entries in the UR state logs that completed, logically deleted, but have yet to be compressed out of the logs. "-ATRTZRM"

ATRTZRM Cross Reference

Name	Hex Offset	Hex Value
ATRTZRM	0	
ATRTZRM_LEN	FC	FC
DATAINRESTARTLOG	12	40
ENTRYLENGTH	C	
EVENTID	10	
EYECATCHER	0	
FLAGS	12	
LASTACTSYSTEM	80	
LOGGINGSYSTEM	88	
LOSSOFDATA	12	80
RM_NAME	14	
RMD_DELAYEDURLOGSTREAMVERSION	98	
RMD_LOG_INSTANCE_NUMBER	A8	
RMD_MAINURLOGSTREAMVERSION	90	
RMD_RESTARTANYTIMESUPPORTED	12	20
RMD_RESTARTLOGSTREAMVERSION	A0	
RMD_RINRESTARTANYWHERE MAYBE	12	10
RMD_RMMETADATALOGSTREAMVERSION	A8	
RMLOGNAME	38	
RMLOGNAMELENGTH	34	
RQDRSTSYSTEM	78	
RRS_ENTRY_DATA	90	
VERSIONNUM	8	

ATTCH Information

ATTCH Heading Information

Common Name: ATTACH Parameter List DSECT
Macro ID: IEZATTCH
DSECT Name: ATTCHLST
Owning Component: Task Manager (SC1CL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 72 bytes
Created by: ATTACH macro
Pointed to by: Resides in user's area
Serialization: None
Function: This macro provides a mapping of the parameter list which serves as the input to the ATTACH service routine (SVC 42).

ATTCH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	72	ATTCHLST	
0	(0)	ADDRESS	4	ATPGNADA	ENTRY ADDRESS
4	(4)	ADDRESS	4	ATDCBADA	DCB ADDRESS
8	(8)	ADDRESS	4	ATECBADR	ECB ADDRESS
		1... ..		ATNFORM	INDICATES PLIST FORMAT NUMBER IN FIELD ATFORMNM
12	(C)	ADDRESS	4	ATGSFLDA	SUBPOOL VAL OR ADDR
16	(10)	ADDRESS	4	ATSHFLDA	SHARE SUBPOOL VALUE OR ADDRESS
20	(14)	ADDRESS	4	ATETXRA	ETXR ADDRESS
24	(18)	SIGNED	2	ATDPMOD	DISPATCHING PRIORITY
26	(1A)	ADDRESS	1	ATLPMOD	LIMIT PRIORITY
27	(1B)	CHARACTER	1	ATINDS	OPTION FLAGS
Comment					
OPTION FLAGS BIT ON = KEYWORD PROVIDED					
End of Comment					
		1... ..		ATDISP	'DISP=NO' KEYWORD PROVIDED
		.1..		ATJSCB	'JSCB' ADDRESS GIVEN
		..1.		ATJPQ	'GIVEJPQ=YES' GIVEN
		...1		ATKEY	'KEY=ZERO' KEYWORD
		.... 1...		ATSZERO	'SZERO=NO' KEYWORD
		.... .1..		ATSVAREA	'SVAREA=NO' KEYWORD
		.... ..1.		ATJSTCB	'JSTCB=YES' KEYWORD
		.... ...1		ATMODE	'SM=SUPV' KEYWORD
28	(1C)	CHARACTER	8	ATPRGNM	PROGRAM NAME
36	(24)	ADDRESS	4	ATJSCBAD	JSCB ADDRESS
40	(28)	ADDRESS	4	ATSTAIAD	ADDR OF E/STAI PLIST
44	(2C)	ADDRESS	4	ATSTAIEX	ADDR OF E/STAI EXIT
48	(30)	ADDRESS	4	ATTASKLB	ADDR OF TASK LIB DCB
52	(34)	ADDRESS	1	ATFLAGS1	FLAGS
		1... ..		ATTNSHRSP	0-FIELD ATTNSHLV CONTAINS A SUBPOOL NUMBER, 1-FIELD ATTNSHLV CONTAINS THE ADDRESS OF A LIST
		.1..		ATRSAPF	IF ON, ATTACHOR REQUESTED APF AUTHORIZATION RESET (MDC300)
		..1.		ATALCOPY	COPY THE ATTACHING TASK'S ACCESS LIST AND EAX TO THE NEW TASK.
		...1		ATNTERM	1-TERM=YES,0-TERM=NO
		.... 1...		ATNESTAI	1-ESTAI SPECIFIED 0-NOT SPECIFIED
		.... .1..		ATNSYNCH	1-ASYNCH=YES 0-ASYNCH=NO
		.... ..11		ATNPURGE	PURGE PARM VALUES
53	(35)	ADDRESS	1	ATNTID	TASK ID
54	(36)	SIGNED	2	ATTPLNG	LENGTH OF THIS PARM LIST, IN BYTES
56	(38)	ADDRESS	4	ATTNSHLV	NSHSPV OR NSHSPL
60	(3C)	ADDRESS	1	ATFLAGS2	FLAGS
		1... ..		ATNDENT	DIRECTORY ENTRY
		.1..		ATNGIVSP	SUBPOOLS TO BE GIVEN ARE IN LIST
		..1.		ATNSHSP	SUBPOOLS TO BE SHARED ARE IN LIST
		...1		ATAPFLIB	1 - MODULE MUST COME FROM APF LIBRARY
		.... 1...		ATRSV042	RESERVED
		.... .1..		ATRSV043	RESERVED
		.... ..1.		ATNTSKLB	TASKLIB DCB PRESENT

ATTCH Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
61	(3D)	.... ...1 CHARACTER	1	ATNTSTAI ATFORMNM	STAI OR ESTAI EXIT ADDR PRESENT FORMAT NUMBER 1 = SP2.1-31-BIT SUPPORT 2 = SP3.1-AR SUPPORT 3 = SP4.3-DISP(RESET) WITH TCB
62	(3E)	CHARACTER	10	ATRSV040	RESERVED

ATTCH Cross Reference

Name	Hex Offset	Hex Value
ATALCOPY	34	20
ATAPFLIB	3C	10
ATDCBADA	4	
ATDISP	1B	80
ATDPMOD	18	
ATECBADR	8	
ATETXRA	14	
ATFLAGS1	34	
ATFLAGS2	3C	
ATFORMNM	3D	
ATGSFLDA	C	
ATINDS	1B	
ATJPQ	1B	20
ATJSCB	1B	40
ATJSCBAD	24	
ATJSTCB	1B	02
ATKEY	1B	10
ATLPMOD	1A	
ATMODE	1B	01
ATNDENT	3C	80
ATNESTAI	34	08
ATNFORM	8	80
ATNGIVSP	3C	40
ATNPURGE	34	03
ATNSHRSP	34	80
ATNSHSP	3C	20
ATNSYNCH	34	04
ATNTERM	34	10
ATNTID	35	
ATNTSKLB	3C	02
ATNTSTAI	3C	01
ATPGNADA	0	
ATPRGNM	1C	
ATRSAPF	34	40
ATRSV040	3E	
ATRSV042	3C	08
ATRSV043	3C	04
ATSHFLDA	10	
ATSTAIAD	28	
ATSTAIEX	2C	
ATSVAREA	1B	04
ATSZERO	1B	08
ATTASKLB	30	
ATTCHLST	0	
ATTNSHLV	38	
ATTPLNG	36	

AXAT Information

AXAT Heading Information

Common Name: AUTHORIZATION INDEX ALLOCATION TABLE
Macro ID: IHAAXAT
DSECT Name: AXAT
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: None
 Offset: N/A
 Length: N/A
Storage Attributes: Subpool: 229
 Key: 0
 Residency: Above 16 megabytes in PC/Auth private area.
Size: Variable length
Created by: IEAVXMAS
Pointed to by: XMDAXAT
Serialization: SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.
Function: Maps the AXAT. The AXAT contains a record of the ASID for which an authorization index (AX) is currently reserved.

AXAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	AXAT	AUTHORIZATION INDEX ALLOCATION TABLE (AXAT)
0	(0)	CHARACTER	16	AXATHDR	ALLOCATION TABLE HEADER
0	(0)	CHARACTER	4	AXATNAME	EBCDIC ACRONYM AXAT
4	(4)	SIGNED	4	AXATCT	COUNT OF ENTRIES IN THE AXAT
8	(8)	SIGNED	4	AXATAVAL	COUNT OF AXAT ENTRIES THAT ARE CURRENTLY AVAILABLE (UNRESERVED)
12	(C)	SIGNED	4	AXATRSVD	RESERVED
16	(10)	CHARACTER	12	AXATENT (*)	AUTHORIZATION INDEX ENTRY. THE FIRST TWO AX ENTRIES ARE PERMANENTLY ASSIGNED. 0 IS UNAUTHORIZED, 1 IS SYSTEM AUTHORIZED. ALL OTHER ENTRIES ARE ZERO WHEN UNRESERVED, OR CONTAIN A STOKEN VALUE WHEN RESERVED.
16	(10)	CHARACTER	12	AXATENTY	ALTERNATE NAME FOR AUTHORIZATION INDEX ENTRY.
16	(10)	CHARACTER	8	AXATSTKN	STOKEN OF THE OWNING ADDRESS SPACE
24	(18)	UNSIGNED	2	AXATETC	COUNT OF ENTRY TABLES WHICH USE THIS AX AS AN EAX
26	(1A)	BITSTRING	1	AXATFLG1	AXAT ENTRY FLAG BYTE
		1... ..		AXATEAXC	EAX EXISTS OR HAS EXISTED IN AN ET WHICH HAD BEEN CONNECTED
		.111 1111		*	RESERVED
27	(1B)	CHARACTER	1	AXATRSV1	RESERVED

AXAT Cross Reference

Name	Hex Offset	Hex Value
AXAT	0	
AXATAVAL	8	
AXATCT	4	
AXATEAXC	1A	80
AXATENT	10	
AXATENTY	10	
AXATETC	18	
AXATFLG1	1A	
AXATHDR	0	
AXATNAME	0	
AXATRSVD	C	
AXATRSV1	1B	
AXATSTKN	10	

AXRZARG Information

AXRZARG Programming Interface information

Programming Interface information

AXRZARG

The following field is **NOT** programming interface information:

- AXREXIT

End of Programming Interface information

AXRZARG Heading Information • AXRZARG Map

AXRZARG Heading Information

Common Name: AXR Argument/Variable list mapping
Macro ID: AXRZARG
DSECT Name: N/A
Owning Component: System REXX (SCAXR)
Eye-Catcher ID: ARGL or VARL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Any
 Key: ANY
 Residency: Callers address space above or below the bar
Size: N/A
 AXRARGLST -- X'0010' bytes
 AXRARGENTRY -- X'0028' bytes
 AXRDIAG -- X'0028' bytes
 AXRRXLHEADER -- X'0018' bytes
 AXRRXLENTY -- X'0040' bytes
Created by: Caller of AXREXX
Pointed to by: N/A
Serialization: N/A
Function: Contains System REXX external control blocks, including mappings of the argument/variable list and the DIAG area for the AXREXX service.

AXRZARG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AXRARGLST	
0	(0)	CHARACTER	4	AXRARGLSTID	Use AxrArgLstAcro for REXXArgLst and AxrVarLstAcro for REXXVarLst
4	(4)	BITSTRING	1	AXRARGLSTVER	
5	(5)	CHARACTER	3	AXRARGLSTRSV1	
8	(8)	SIGNED	2	AXRARGLSTNUMBER	Reserved - must be 0
10	(A)	SIGNED	2	AXRARGLSTENTRYINERROR	Number of arguments Output argument in error
12	(C)	CHARACTER	4	AXRARGLSTRSV2	
16	(10)	CHARACTER	1	AXRARGLSTEND	Reserved - must be 0
16	(10)	X'D9C7D3'	0	AXRARGLSTACRO	"C'ARGL"
16	(10)	X'C1D9D3'	0	AXRVARLSTACRO	"C'VARL"
16	(10)	X'0'	0	AXRARGLSTCURVER	"0"
16	(10)	X'0'	0	AXRARGLSTVER0	"0" Version 0
16	(10)	X'10'	0	AXRARGLST_LEN	**_AXRARGLST"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AXRARGENTRY	
0	(0)	ADDRESS	8	AXRARGADDR	Address of argument
0	(0)	SIGNED	4	AXRARGADDRHIGH	High half of address
4	(4)	ADDRESS	4	AXRARGADDRLOW	Low half of address
8	(8)	ADDRESS	8	AXRARGNAMEADDR	Address of the name of the argument. This is required for all variables and output arguments
8	(8)	SIGNED	4	AXRARGNAMEADDRHIGH	High half of address
12	(C)	ADDRESS	4	AXRARGNAMEADDRLOW	Low half of address
16	(10)	SIGNED	4	AXRARGLENGTH	Length of arg/var in bytes
20	(14)	SIGNED	4	AXRARGALET	Alet of arg/var
24	(18)	SIGNED	4	AXRARGNAMEALET	Alet of name of arg/var
28	(1C)	SIGNED	4	AXRARGOUTLENGTH	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Length of the arg/var copied to the buffer of the caller. Set by system REXX. For HexString type, this value is in hex digits. For BitString type, this value is in bits. For type char, this value is in bytes. For numeric values, the input length is returned
32	(20)	BITSTRING	1	AXRARGNAMELENGTH	Length of argument name in bytes
33	(21)	BITSTRING	1	AXRARGTYPE	Type of arg i.e. signed, unsigned, char, bit or hex. See constant definitions
34	(22)	BITSTRING	1	AXRARGINPUTFLGS1	

Comment

Bit definitions:

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		AXRARGINPUT	"X'80" Input argument
		.1..		AXRARGOUTPUT	"X'40" Output argument
		..11 1111		AXRARGRES1	"X'3F" Reserved - must be 0
35	(23)	CHARACTER	5	AXRARGRES2	Reserved - must be 0
40	(28)	CHARACTER	1	AXRARGEND (0)	End of entry
40	(28)	X'1'	0	AXRARGTYPE SIGNED	"1" Argument is signed type. Valid lengths are 4 and 8 (in bytes)
40	(28)	X'2'	0	AXRARGTYPE UNSIGNED	"2" Argument is unsigned type. Valid lengths are 4 and 8 (in bytes)
40	(28)	X'3'	0	AXRARGTYPE CHAR	"3" Argument is character type. Length must be less than or equal to 512 bytes
40	(28)	X'4'	0	AXRARGTYPE BITSTRING	"4" Argument is bit string type. Length must be less than or equal to 32 bits
40	(28)	X'5'	0	AXRARGTYPE HEXSTRING	"5" Argument is hex string type. Length must be less than or equal to 512 hex digits
40	(28)	X'E7D9C4'	0	AXRDIAGACRO	"C'AXRD" Acronym for the AXRDiag
40	(28)	X'0'	0	AXRDIAGVER0	"0" Original version of AXRDIAG
40	(28)	X'1'	0	AXRDIAGVER1	"1" Version 1 of AXRDiag
40	(28)	X'1'	0	AXRDIAGCURVER	"1" Current version of AXRDIAG
40	(28)	X'28'	0	AXRARGENTRY_LEN	** -AXRARGENTRY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AXRDIAG	
0	(0)	CHARACTER	4	AXRDIAGHEADER	
0	(0)	BITSTRING	1	AXRDIAGVER	
1	(1)	BITSTRING	1	AXRDIAGFLGS1	

Comment

Bit definitions:

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		AXRDIAGNOEXECCRETCODE	"X'80" When on, indicates that AXREXX was unable to obtain a return code from the exec, because the exec did not return one or because it was too small, large or could not be converted to binary
2	(2)	CHARACTER	2		
4	(4)	CHARACTER	20	AXRDIAGDATA	
4	(4)	SIGNED	4	AXRDIAGEXECCRETCODE	Return code from exec
8	(8)	SIGNED	4	AXRDIAG1	
12	(C)	SIGNED	4	AXRDIAG2	
16	(10)	SIGNED	4	AXRDIAG3	
20	(14)	SIGNED	4	AXRDIAG4	
24	(18)	CHARACTER	4	AXRDIAGID	Eye-catcher
28	(1C)	CHARACTER	12		Reserved

AXRZARG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
The REXXLIB output parameter is mapped by the AxxRxlHeader followed by one or more AxxRxlEntry(s) - one for each data set in the REXXLIB concatenation.					
End of Comment					
28	(1C)	X'E7D9D9'	0	AXRRXLACRO	"C'AXRR"
28	(1C)	X'0'	0	AXRRXLVER0	"0"
28	(1C)	X'28'	0	AXRDIAG_LEN	""-AXRDIAG"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
0	(0)	STRUCTURE	0	AXRRXLHEADER	
0	(0)	CHARACTER	4	AXRRXLID	
4	(4)	SIGNED	4	AXRRXLLEN	Length of AxxRxlHeader - use this to access the first entry
8	(8)	SIGNED	4	AXRRXLCONCATNUM	Number of datasets in the concatenation
12	(C)	SIGNED	4	AXRRXLTOTALLEN	Length of the entire output including AxxRxlHeader and any AxxRxlEntry(s) that follow
16	(10)	BITSTRING	1	AXRRXLVER	Version
17	(11)	CHARACTER	7		Reserved
Comment					
Use AxxRxlEntryLen to access the next AxxRxlEntry from the prior one.					
End of Comment					

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
17	(11)	X'E7D3C5'	0	AXRRXLENTRYACRO	"C'RXLE"
17	(11)	X'18'	0	AXRRXLHEADER_LEN	""-AXRRXLHEADER"
End of Comment					
Comment					
AXREXX Return and Reason Code definitions					
End of Comment					
		.... ....		AXRRETCODEOK	"X'00000000" Meaning: AXREXX request successful. Action: None required. If REXXDiag was specified, AXRDIAG1, AXRDIAG2, AXRDIAG3 and AXRDIAG4 contain the message ids of any messages beginning with IRX (REXX) or IKJ (TSO) that were issued when processing the exec. The format of the message id is packed decimal with the sign bits shifted out. A 1 in the high order byte distinguishes an IKJ message from an IRX message.
		.... 1...		AXRRETCODEERROR	"X'00000008" Meaning: The AXREXX request failed due to a user error. Action: Refer to the action provided with the specific reason code.
62	(3E)	BITSTRING	0	AXRNOFRALLOWED	"X'00000801" Meaning: Caller invoked AXREXX with an FRR. Action: Remove the FRR and then invoke AXREXX.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRNOLOCKSALLOWED	"X'00000802" Meaning: Caller invoked AXREXX holding a lock. Action: Free the lock and then invoke AXREXX.
62	(3E)	BITSTRING	0	AXRNOTTCBMODE	"X'00000803" Meaning: Caller was not running as a task. Action: Move the invocation of AXREXX under a task.
62	(3E)	BITSTRING	0	AXRNOTAUTHORIZED	"X'00000804" Meaning: Caller is not APF authorized, running in a system key or in supervisor state. Action: Avoid invoking AXREXX in this environment.
62	(3E)	BITSTRING	0	AXRNOTENABLED	"X'00000805" Meaning: Caller is disabled. Action: Avoid invoking AXREXX in this environment.
62	(3E)	BITSTRING	0	AXRREXXARGSCANNOTACCESS	"X'00000806" Meaning: The RexxArgs parameter is not accessible. Action: Verify that the RexxArgs parameter is accessible and in the key in which AXREXX was invoked.
62	(3E)	BITSTRING	0	AXRARGCANNOTACCESS	"X'00000807" Meaning: An argument in the argument list cannot be accessed. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter to determine the index of the argument that was not accessible. Ensure that AxxArgAddr and AxxArgAlet contain the address and alet of the argument. Ensure that the argument is in the same key as the invoker.
62	(3E)	BITSTRING	0	AXRARGBADLENGTH	"X'00000808" Meaning: The length of an argument is not valid. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter to determine the index of the argument whose length was incorrect. Correct AxxArgLength.
62	(3E)	BITSTRING	0	AXRARGBADTYPE	"X'00000809" Meaning: Type of an argument is invalid. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter to determine the index of the argument whose type is incorrect. Correct AxxArgType with one of the valid types listed in AXRZARG.
62	(3E)	BITSTRING	0	AXRPLISTCANNOTACCESS	"X'0000080A" Meaning: The input parameter list was not accessible. Action: Verify that the input parameter list is in the same key as the invoker. Verify that it is accessible.
62	(3E)	BITSTRING	0	AXRARGTOOMANY	"X'0000080B" Meaning: Too many arguments were specified. Action: Verify the contents of AxxArgLstNumber in the RexxArgs parameter. The maximum possible value is 20.
62	(3E)	BITSTRING	0	AXRARGBADNUMERIC	"X'0000080C" Meaning: An output argument from a REXX exec is not numeric. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter for the index of the invalid argument. Make sure that the REXX exec did not return a value in scientific notation.
62	(3E)	BITSTRING	0	AXRARGBADBITSTRING	"X'0000080D" Meaning: An output argument from a REXX exec is not a bit string. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter for the index of the invalid argument. Correct the exec or change AxxArgType.
62	(3E)	BITSTRING	0	AXRARGBADHEXSTRING	"X'0000080E" Meaning: An output argument from a REXX exec is not a hex string. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter for the index of the invalid argument. Correct the exec or change AxxArgType.
62	(3E)	BITSTRING	0	AXRARGBADNAMELENGTH	"X'00000810" Meaning: The length of the name of an argument is too long. Action: Refer to AxxArgLstEntryInError in the RexxArgs parameter for the index of the invalid argument. Correct AxxArgNameLength.
62	(3E)	BITSTRING	0	AXRNOTABLETOALLOCATEREXXINDSN	"X'00000811" Meaning: System REXX was unable to allocate the REXXINDsn dataset. Action: The return and reason codes from DYNALLOC are inserted into AXRDIAG1 and AXRDIAG2 in the RexxDiag parameter. Look up the return/reason codes in the z/OS MVS Authorized Assembler Services Guide. Look in the System Log for any messages that were issued by DYNALLOC.
62	(3E)	BITSTRING	0	AXRNOTABLETOALLOCATEREXXOUTDSN	"X'00000812" Meaning: System REXX was unable to allocate the RexxOutDsn dataset. Action: The return and reason codes from DYNALLOC are inserted into AXRDIAG1 and AXRDIAG2 in the RexxDiag parameter. Look up the return/reason codes in the z/OS MVS Authorized Assembler Services Guide. Look in the System Log for any messages that were issued by DYNALLOC.
62	(3E)	BITSTRING	0	AXRUTOKENCANNOTACCESS	"X'00000813" Meaning: Unable to access the Utoken input parameter. Action: Ensure that the Utoken input parameter is in the key of the AXREXX invoker and that it is accessible.
62	(3E)	BITSTRING	0	AXRREXXINDSNCANNOTACCESS	

AXRZARG Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRREXXOUTDSNCANNOTACCESS	"X'00000814" Meaning: Unable to access the RexxInDsn input parameter. Action: Ensure that the RexxInDsn input parameter is in the key of the AXREXX invoker and that it is accessible.
62	(3E)	BITSTRING	0	AXRREXXVARSCANNOTACCESS	"X'00000815" Meaning: Unable to access the RexxOutDsn input parameter. Action: Ensure that the RexxOutDsn input parameter is in the key of the AXREXX invoker and that it is accessible.
62	(3E)	BITSTRING	0	AXRBADTIMEINT	"X'00000816" Meaning: The RexxVars parameter is not accessible. Action: Verify that the RexxVars parameter is accessible and in the key in which AXREXX was invoked.
62	(3E)	BITSTRING	0	AXRARGBADACRONYM	"X'00000817" Meaning: The value of the Timeint keyword is invalid. Action: Ensure that the value of the TimeInt keyword is less than 21474536 seconds.
62	(3E)	BITSTRING	0	AXRVARBADACRONYM	"X'00000818" Meaning: The acronym for the RexxArgs keyword is incorrect. Action: Ensure that AxrArgLstId is set to AxrArgLstAcro.
62	(3E)	BITSTRING	0	AXRARGBADVERSION	"X'00000819" Meaning: The acronym for the RexxVars keyword is incorrect. Action: Ensure that AxrArgLstId is set to AxrVarLstAcro.
62	(3E)	BITSTRING	0	AXRVARBADVERSION	"X'0000081A" Meaning: The version for the RexxArgs keyword is incorrect. Action: Ensure that version is one that is supported.
62	(3E)	BITSTRING	0	AXRVARBADVERSION	"X'0000081B" Meaning: The version for the RexxVars keyword is incorrect. Action: Ensure that the version is one that is supported.
62	(3E)	BITSTRING	0	AXRVARTOOMANY	"X'0000081C" Meaning: Too many variables were specified. Action: Verify the contents of AxrArgLstNumber in the RexxVars parameter. The maximum possible value is 256.
62	(3E)	BITSTRING	0	AXRVARBADNUMERIC	"X'0000081D" Meaning: An output variable from a REXX exec is not numeric. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the invalid variable. Make sure that the REXX exec did not return a value in scientific notation.
62	(3E)	BITSTRING	0	AXRVARBADBITSTRING	"X'0000081E" Meaning: An output variable from a REXX exec is not a bit string. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the invalid variable. Correct the exec or change AxrArgType.
62	(3E)	BITSTRING	0	AXRVARBADHEXSTRING	"X'0000081F" Meaning: An output variable from a REXX exec is not a hex string. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the invalid variable. Correct the exec or change AxrArgType.
62	(3E)	BITSTRING	0	AXRVARBADNAMELENGTH	"X'00000820" Meaning: The length of the name of a variable is too long. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the invalid variable. Correct AxrArgNameLength.
62	(3E)	BITSTRING	0	AXRVARBADTYPE	"X'00000821" Meaning: The type specification for a variable is invalid. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the invalid variable. Correct AxrArgType with one of the valid types listed in AXRZARG.
62	(3E)	BITSTRING	0	AXRVARCANNOTACCESS	"X'00000822" Meaning: A variable could not be accessed. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the variable that could not be accessed. Ensure that AxrArgAddr and AxrArgAlet contain the address and alet of the variable. Ensure that the variable is in the same key as the invoker.
62	(3E)	BITSTRING	0	AXRVARBADLENGTH	"X'00000823" Meaning: The length of a variable was invalid. Action: Refer to AxrArgLstEntryInError in the RexxVars parameter for the index of the variable whose length is invalid. Correct AxrArgLength.
62	(3E)	BITSTRING	0	AXRARGLSTRSVNOTZERO	"X'00000824" Meaning: A reserved field in the AXRARGLST mapping was non-zero for the RexxArgs AXREXX parameter. Action: Clear the reserved fields in the AXRARGLST mapping.
62	(3E)	BITSTRING	0	AXRVARLSTRSVNOTZERO	"X'00000825" Meaning: A reserved field in the AXRARGLST mapping was non-zero for the RexxVars AXREXX parameter. Action: Clear the reserved fields in the AXRARGLST mapping.
62	(3E)	BITSTRING	0	AXRNOTABLETOUNALLOCATEREXXINDSN	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRNOTABLETOUNALLOCATEREXXOUTDSN	"X'00000826" Meaning: A bad return code was returned from DYNALLOC when attempting to unallocate the REXXinDsn dataset. Action: The return and reason codes from DYNALLOC are inserted into AXRDIAG1 and AXRDIAG2 in the REXXDiag parameter. Look in the System Log for any messages that DYNALLOC may have issued.
62	(3E)	BITSTRING	0	AXREXCSYNTAXERROR	"X'00000827" Meaning: A bad return code was returned from DYNALLOC when attempting to unallocate the REXXOutDsn dataset. Action: The return and reason codes from DYNALLOC are inserted into AXRDIAG1 and AXRDIAG2 in the REXXDiag parameter. Look in the System Log for any messages that DYNALLOC may have issued.
62	(3E)	BITSTRING	0	AXRARGNUMERICTOOBIG	"X'00000828" Meaning: A syntax error or some other run time error was encountered during the execution of a REXX exec. Action: The REXX interpreter issues one or more error messages that indicate the offending line number. If REXXOutDsn is specified, look at the dataset for the message. If REXXOutDsn is not specified but ConsData is specified, look at the console or the system log. If REXXDiag is specified, AXRDIAG1 contains the number of the error which corresponds to an IRXnnnl message, AXRDIAG2 contains the line number where the error occurred and AXRDIAG3 and AXRDIAG4 contain the message ids of the last two IRX or IKJ messages that were issued before the exec completed. All of these values are in packed decimal format with the sign bits shifted out. A 1 in the high order byte distinguishes an IKJ message from an IRX message.
62	(3E)	BITSTRING	0	AXRVARNOEXIST	"X'0000082A" Meaning: The value of an output argument was either too large or too small (negative) to be represented in the storage area that was passed. Action: Inspect AxrArgLstEntryInError in the REXXArgs parameter for the index of the argument that caused the error.
62	(3E)	BITSTRING	0	AXRARGNOEXIST	"X'0000082B" Meaning: The output variable was not set in the exec. Action: Inspect AxrArgLstEntryInError in the REXXVars parameter for the index of the variable that caused the error. Determine why this variable was not set in the exec.
62	(3E)	BITSTRING	0	AXRVARTOOLONG	"X'0000082C" Meaning: The output argument was not set in the exec. Action: Inspect AxrArgLstEntryInError in the REXXArgs parameter for the index of the argument that caused the error. Determine why this argument was not set in the exec.
62	(3E)	BITSTRING	0	AXRARGTOOLONG	"X'0000082D" Meaning: The buffer of the client could not accommodate the value of the variable. Action: Inspect AxrArgLstEntryInError in the REXXVars parameter for the index of the variable that caused the error. Increase the size of the output variable or ensure that the variable's size can be accommodated by the passed buffer.
62	(3E)	BITSTRING	0	AXRVARBADNAME	"X'0000082E" Meaning: The buffer of the client could not accommodate the value of the argument. Action: Inspect AxrArgLstEntryInError in the REXXArgs parameter for the index of the argument that caused the error. Increase the size of the output argument or ensure that the argument's size can be accommodated by the passed buffer.
62	(3E)	BITSTRING	0	AXRARGBADNAME	"X'0000082F" Meaning: The name of a variable was not acceptable to REXX. Action: Inspect AxrArgLstEntryInError in the REXXVars parameter for the index of the variable that caused the error. Correct the name.
62	(3E)	BITSTRING	0	AXRVARNUMERICTOOBIG	"X'00000830" Meaning: The name of an argument was not acceptable to REXX. Action: Inspect AxrArgLstEntryInError in the REXXArgs parameter for the index of the argument that caused the error. Correct the name.
62	(3E)	BITSTRING	0	AXRARGNAMECANNOTACCESS	"X'00000831" Meaning: The value of an output variable was either too large or too small (negative) to be represented in the storage area that was passed. Action: Inspect AxrArgLstEntryInError in the REXXVars parameter for the index of the variable that caused the error.
62	(3E)	BITSTRING	0	AXRVARNAMECANNOTACCESS	"X'00000832" Meaning: The argument name was not accessible. Action: Inspect AxrArgLstEntryInError in the REXXArgs parameter for the index of the argument that caused the error. Ensure that AxrArgNameAddr and AxrArgNameAlet contain the address and alet of the argument name. Ensure that the argument name is in the same key as the invoker.

AXRZARG Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRDIAGCANNOTACCESS	"X'00000833" Meaning: The variable name was inaccessible and caused a program check when System REXX attempted to access. Action: Inspect AxxArgLstEntryInError in the RxxVars parameter for the index of the variable that caused the error. Ensure that AxxArgNameAddr and AxxArgNameAlet contain the address and alet of the variable name. Ensure that the variable name is in the same key as the invoker.
62	(3E)	BITSTRING	0	AXRARGNEITHERINOROUT	"X'00000835" Meaning: The value of the RxxDiag parameter was not accessible. Action: Ensure the RxxDiag parameter is in the same key as the invoker. Correct the RxxDiag parameter.
62	(3E)	BITSTRING	0	AXRVARNEITHERINOROUT	"X'00000837" Meaning: A REXX argument is neither an input or output argument. Action: Inspect AxxArgLstEntryInError in the RxxArgs parameter for the index of the offending argument and set either AXRArgInput, AXRArgOutput or both in the argument list entry.
62	(3E)	BITSTRING	0	AXRVARNEITHERINOROUT	"X'00000838" Meaning: A REXX variable is neither an input or output variable. Action: Inspect AxxArgLstEntryInError in the RxxVars parameter for the index of the offending variable and set either AXRArgInput, AXRArgOutput or both in the entry in variable list entry.
62	(3E)	BITSTRING	0	AXRRARGBADUNSIGNED	"X'00000839" Meaning: An unsigned output argument returned from REXX was prefixed with a sign. Action: AxxArgLstEntryInError in the RxxArgs parameter contains the index of the invalid argument. Correct the REXX exec to return an unsigned value or change the argument to signed.
62	(3E)	BITSTRING	0	AXRVARBADUNSIGNED	"X'0000083A" Meaning: An unsigned output variable returned from REXX was prefixed with a sign. Action: AxxArgLstEntryInError in the RxxVars parameter contains the index of the invalid variable. Change the exec to return an unsigned value or change the variable to be signed.
62	(3E)	BITSTRING	0	AXRBADCONSOLENAME	"X'0000083B" Meaning: The specified CONSNAME parameter was syntactically incorrect. Action: Correct the syntax of the CONSNAME parameter so that it is a syntactically valid console name.
62	(3E)	BITSTRING	0	AXRREXXINNOTAUTH	"X'0000083E" Meaning: Invoker is not SAF authorized to the dataset name specified on the RxxInDsn keyword. Action: Either change the dataset name or change the security environment so that the dataset can be accessed.
62	(3E)	BITSTRING	0	AXRREXXOUTNOTAUTH	"X'0000083F" Meaning: Invoker is not SAF authorized to the dataset name specified on the RxxOutDsn keyword. Action: Either change the dataset name or change the security environment so that the dataset can be accessed.
62	(3E)	BITSTRING	0	AXRREXXINDSNBAD	"X'00000840" Meaning: The RxxInDsn specification is not syntactically correct. Action: Correct the input so that it is a valid dataset name.
62	(3E)	BITSTRING	0	AXRREXXOUTDSNBAD	"X'00000841" Meaning: The RxxOutDsn specification is not syntactically correct. Action: Correct the input so that it is a valid dataset name.
62	(3E)	BITSTRING	0	AXRRACROUTEBAD	"X'00000842" Meaning: RACROUTE VERIFY returned a bad return code when attempting to create a security environment prior to running the REXX exec. Action: The SAF return code is stored in AXRDIAG1. The RACF return and reason codes are stored in AXRDIAG2 and AXRDIAG3 respectively (all in the REXXDiag parameter). Certain types of address spaces do not have a legitimate security environment and as such the AXREXX invoker may have to provide a different UTKEN or use SECURITY=BYAXRUSER.
62	(3E)	BITSTRING	0	AXRREXXOUTCANNOTOPEN	"X'00000843" Meaning: A failure occurred when attempting to open the dataset specified by RxxOutDsn. Action: The return code from IRXINOUT is set in AXRDIAG1 in the RxxDiag parameter and is documented in z/OS TSO/E REXX Reference. Additionally, the REXX interpreter may issue messages describing the error.
62	(3E)	BITSTRING	0	AXRREXXINCANNOTOPEN	"X'00000844" Meaning: A failure occurred when attempting to open the dataset specified by RxxInDsn. Action: The return code from IRXINOUT is set in AXRDIAG1 in the RxxDiag parameter and is documented in the z/OS TSO/E REXX Reference. Additionally, the REXX interpreter may issue messages describing the error.
62	(3E)	BITSTRING	0	AXRBADREQUEST	"X'00000846" Meaning: The AXREXX input parameter list is incorrect. An invalid request type is specified. Action: Determine why the AXREXX input parameter list is incorrect.
62	(3E)	BITSTRING	0	AXRRARGSVNOTZERO	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRVARRSVNOTZERO	"X'00000847" Meaning: A reserved field in the AXRARGENTRY mapping was non-zero for the RexxArgs AXREXX parameter. Action: AxrArgLstEntryInError in the RexxArgs parameter contains the index of the entry that caused the error. Clear the reserved fields.
62	(3E)	BITSTRING	0	AXRBADREQTOKEN	"X'00000848" Meaning: A reserved field in the AXRARGENTRY mapping was non-zero for the RexxVars AXREXX parameter. Action: AxrArgLstEntryInError in the RexxVars parameter contains the index of the entry that caused the error. Clear the reserved fields.
62	(3E)	BITSTRING	0	AXRREXXINNOTSEQ	"X'00000849" Meaning: For a CANCEL request, the input Request Token is invalid. Action: Correct the invocation to provide a valid Request Token.
62	(3E)	BITSTRING	0	AXRREXXINNOTPDS	"X'0000084A" Meaning: RexxInDsn is a PDS, but RexxInMemName is not specified. Action: Specify RexxInMemname keyword or change RexxInDsn.
62	(3E)	BITSTRING	0	AXRREXXOUTNOTSEQ	"X'0000084B" Meaning: RexxInMemname is specified but RexxInDsn is not a PDS. Action: Remove RexxInMemname or specify a PDS for RexxInDsn.
62	(3E)	BITSTRING	0	AXRREXXOUTNOTPDS	"X'0000084C" Meaning: RexxOutDsn is a PDS, but RexxOutMemName is not specified. Action: Specify the RexxOutMemName keyword or change RexxOutDsn.
62	(3E)	BITSTRING	0	AXRREXXINNOMEMBER	"X'0000084D" Meaning: RexxOutMemname is specified but RexxOutDsn is not a PDS. Action: Remove the RexxOutMemName keyword or change the specification of RexxOutDsn to a PDS.
62	(3E)	BITSTRING	0	AXRVARBADVALUE	"X'0000084E" Meaning: RexxInMemname does not exist in the dataset specified by RexxInDsn. Action: Either create the member or specify a different RexxInDsn dataset name.
62	(3E)	BITSTRING	0	AXREXECNOTFOUND	"X'00000850" Meaning: The value of an input variable was not acceptable to REXX. Action: Inspect AxrArgLstEntryInError in the RexxVars parameter for the index of the variable that caused the error.
62	(3E)	BITSTRING	0	AXRVAROUTBADVALUE	"X'00000851" Meaning: The exec was not found in the System REXX library. Action: Correct the spelling of the exec in the NAME keyword.
62	(3E)	BITSTRING	0	AXRARGOUTBADVALUE	"X'00000852" Meaning: The value of an output variable was not acceptable to REXX. Action: Inspect AxrArgLstEntryInError in the RexxVars parameter for the index of the variable that caused the error.
62	(3E)	BITSTRING	0	AXRPARMLISTBADALET	"X'00000853" Meaning: The value of an output argument was not acceptable to REXX. Action: Inspect AxrArgLstEntryInError in the RexxArgs parameter for the index of the argument that caused the error.
62	(3E)	BITSTRING	0	AXRUTOKENBADALET	"X'00000854" Meaning: The ALET of the parmlist is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRREXXARGSBADALET	"X'00000855" Meaning: The ALET of the UTOKEN parameter is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRREXXVARSBADALET	"X'00000856" Meaning: The ALET of the REXXARGS parameter is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRREXXINDSNBADALET	"X'00000857" Meaning: The ALET of the REXXVARS parameter is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRREXXOUTDSNBADALET	"X'00000858" Meaning: The ALET of the REXXINDSN parameter is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRREXXDIAGBADALET	"X'00000859" Meaning: The ALET of the REXXOUTDSN parameter is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRRARGBADALET	"X'0000085A" Meaning: The ALET of the REXXDIAG parameter is invalid. Action: Correct the Alet.
62	(3E)	BITSTRING	0	AXRRARGNAMEBADALET	"X'0000085B" Meaning: The ALET of the argument entry is invalid. Action: Refer to AxrArgLstEntryInError in the RexxArgs parameter to determine the index of the argument entry whose alet was incorrect. Correct AxrArgAlet.
62	(3E)	BITSTRING	0	AXRRARGNAMEBADALET	"X'0000085C" Meaning: The ALET of the argument entry name is invalid. Action: Refer to AxrArgLstEntryInError in the RexxArgs parameter to determine the index of the argument entry name whose alet was incorrect. Correct AxrArgNameAlet.

AXRZARG Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRVARBADALET	"X'0000085D" Meaning: The ALET of the variable entry is invalid. Action: Refer to AxrArgLstEntryInError in the RextVars parameter to determine the index of the variable entry whose alet was incorrect. Correct AxrArgAlet.
62	(3E)	BITSTRING	0	AXRVARNAMEBADALET	"X'0000085E" Meaning: The ALET of the variable entry name is invalid. Action: Refer to AxrArgLstEntryInError in the RextVars parameter to determine the index of the variable entry name whose alet was incorrect. Correct AxrArgNameAlet.
62	(3E)	BITSTRING	0	AXRREXXLIBBADALET	"X'0000085F" Meaning: The ALET of the Rextlib is invalid. Action: Correct the alet.
62	(3E)	BITSTRING	0	AXRBADREXXLIBLEN	"X'00000860" Meaning: The length specified by RextlibLen keyword is invalid. Action: RextlibLen must be greater than or equal to 20480.
62	(3E)	BITSTRING	0	AXRBADREXXLIB	"X'00000861" Meaning: A program check occurred when attempting to access the parameter specified by the REXXLIB keyword. Action: Correct the Rextlib keyword.
		.... 11..		AXRRETCODEENVERROR	"X'0000000C" Meaning: Environmental error Action: Refer to the action provided with the specific reason code.
62	(3E)	BITSTRING	0	AXRNOTACTIVE	"X'00000C01" Meaning: Function is not available. Either the AXR address space has terminated or has not initialized. Action: Avoid requesting this function until the ENF signal for AXR initialization is issued or message AXR0102I is issued. If the AXR address space has terminated, it needs to be restarted.
62	(3E)	BITSTRING	0	AXRARGNOSTORAGE	"X'00000C02" Meaning: No storage is available for a REXX argument or variable. Action: Reissue the AXREXX request after requests that are in progress complete.
62	(3E)	BITSTRING	0	AXRALLREQBLOCKSINUSE	"X'00000C03" Meaning: All the storage available to represent REXX requests is in use. Action: Reissue the AXREXX request after requests that are in progress complete.
62	(3E)	BITSTRING	0	AXRTOOMANYREXXREQS	"X'00000C04" Meaning: The threshold of active/waiting REXX requests has been exceeded. Action: System REXX will issue ENF signal (65) with a qualifier of '10000000'x to indicate that it has begun accepting new requests. The AXREXX invoker can listen for this signal.
62	(3E)	BITSTRING	0	AXRBADIWMEREG	"X'00000C05" Meaning: A bad return code was returned from IWMEREG. The return code and reason codes from IWMEREG are placed in AXRDIAG1 and AXRDIAG2 in the RextDiag parameter respectively. Action: Examine the return and reason codes from IWMEREG. If no diagnosis is possible, contact IBM Service.
62	(3E)	BITSTRING	0	AXRASCREFAILED	"X'00000C06" Meaning: An attempt to create a server address space to run the exec failed. Action: The return and reason codes from ASCRE are stored AxrDiag1 and AxrDiag2 in the RextDiag parameter.
62	(3E)	BITSTRING	0	AXRREQCANCELLED	"X'00000C07" Meaning: The request was cancelled. Action: None.
62	(3E)	BITSTRING	0	AXREXECREXXENVERROR	"X'00000C08" Meaning: The REXX Interpreter was unable to run the exec. Action: The REXX Interpreter issues one or more messages describing the problem. If RextOutDsn was specified, look in the dataset for the messages. If ConsData was specified and RextOutDsn was not specified, look at the console or the system log. If RextDiag was specified, AXRDIAG1, AXRDIAG2, AXRDIAG3 and AXRDIAG4 contain the message ids of any messages beginning with IRX (REXX) or IKJ (TSO) that were issued. The format of the message id is packed decimal with the sign bits shifted out. A 1 in the high order byte distinguishes an IKJ message from an IRX message.
62	(3E)	BITSTRING	0	AXRBADAXRUSER	"X'00000C09" Meaning: AXRUSER was improperly defined in parmlib member AXR00. Action: Correct AXR00 and restart System REXX.
62	(3E)	BITSTRING	0	AXRTIMEINTEXPIRED	"X'00000C0A" Meaning: The input time limit expired before the exec completed. Action: Increase the time limit or modify the exec.
62	(3E)	BITSTRING	0	AXRREQNOTACTIVE	"X'00000C0B" Meaning: For a CANCEL request, the request to be cancelled is no longer active. Action: None.
62	(3E)	BITSTRING	0	AXRREQALREADYCANCELLED	"X'00000C0C" Meaning: For a CANCEL request, the request to be cancelled is already cancelled. Action: None.
62	(3E)	BITSTRING	0	AXRREXXOUTFAIL	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
62	(3E)	BITSTRING	0	AXRREXXINFAIL	"X'0000C0D" Meaning: An failure occurred when attempting to process the dataset specified by the REXxOutDsn parameter. If the failure was due to an abend, the abend code is saved in AXRDIAG1 and the abend reason code is saved in AXRDIAG2 in the REXxDiag parameter. No dump is taken. Action: Look up the abend and reason code in z/OS MVS System Codes to determine the proper action.
62	(3E)	BITSTRING	0	AXRBADIWMECREA	"X'0000C0E" Meaning: A failure occurred when attempting to process the dataset specified by the REXxInDsn parameter. If the failure was due to an abend, the abend code is saved in AXRDIAG1 and the abend reason code is saved in AXRDIAG2 of the REXxDiag parameter. No dump is taken. Action: Look up the abend and reason code in z/OS MVS System Codes to determine the proper action.
62	(3E)	BITSTRING	0	AXRTOOMANYEXTENTS	"X'0000C0F" Meaning: A bad return code was returned from IWMECREA. The return code and reason codes from IWMECREA are placed in AXRDIAG1, AXRDIAG2, AXRDIAG3 and AXRDIAG4 respectively of the REXxDiag parameter. Action: Inspect the return/reason codes from IWMECREA and look up in the z/OS MVS Programming: Workload Management Services. If the problem cannot be resolved, contact IBM Service.
62	(3E)	BITSTRING	0	AXRREXXSERVERABENDED	"X'0000C10" Meaning: The REXXLIB concatenation contains too many extents. Sysrexx cannot process any more execs. Action: Sysrexx must be terminated. The REXXLIB concatenation must then be modified so that the number of extents is reduced below the limit. SYSREXX may then be restarted.
62	(3E)	BITSTRING	0	AXRREXXSERVERABENDED	"X'0000010" Meaning: Unexpected failure. Action: Refer to the action provided with the specific reason code.
62	(3E)	BITSTRING	0	AXRBADSERVERRC	"X'00001001" Meaning: An abend occurred after the REXX server began processing the request. Action: A dump is taken. Contact IBM service.
62	(3E)	BITSTRING	0	AXRREXXCLIENTABENDED	"X'00001002" Meaning: A unexpected return code was returned from the REXX server. Action: A dump is taken. Contact IBM service.
62	(3E)	BITSTRING	0	AXREXITABENDED	"X'00001003" Meaning: An abend occurred before the request was passed to the REXX Server or after the request was processed by the REXX server. Action: A dump is taken. Contact IBM service.
62	(3E)	BITSTRING	0	AXRADDRSPACETERM	"X'00001007" Meaning: An abend occurred in a System REXX defined exit which is given control from the REXX Interpreter. Action: A dump is taken. Contact IBM service.
62	(3E)	BITSTRING	0	AXRCANCELABENDED	"X'0000100B" Meaning: The address space created to run an exec either terminated prior to running the exec or during the execution of the exec. Action: If the address space was cancelled then there is no action. If the address space was terminated unexpectedly then contact IBM Service.
62	(3E)	BITSTRING	0	AXRREXXINTERPRETERABEND	"X'0000100D" Meaning: An attempt to cancel a request resulted in an abend. A dump is taken. Action: Contact IBM service.
62	(3E)	BITSTRING	0	AXRREXXINTERPRETERABEND	"X'0000100F" Meaning: Either the REXX interpreter abended or was percolated to. Action: Refer to the REXxDiag parameter. AxxDiag1 contains either 100 for a user abend or 104 for a system abend. AxxDiag2 contains the abend code. A system dump may be produced.
62	(3E)	X'40'	0	AXRRXLENTY_LEN	"*-AXRRXLENTY"

AXRZARG Cross Reference

AXRZARG Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AXRADDRSPACETERM	3E	100B	AXRARGNAMEBADALET	3E	85C
AXRALLREQBLOCKSINUSE	3E	C03	AXRARGNAMECANNOTACCESS	3E	832
AXRARGADDR	0		AXRARGNAMELENGTH	20	
AXRARGADDRHIGH	0		AXRARGNEITHERINOROUT	3E	837
AXRARGADDRLOW	4		AXRARGNOEXIST	3E	82C
AXRARGALET	14		AXRARGNOSTORAGE	3E	C02
AXRARGBADACRONYM	3E	818	AXRARGNUMERICTOOBIG	3E	82A
AXRARGBADALET	3E	85B	AXRARGOUTBADVALUE	3E	853
AXRARGBADBITSTRING	3E	80D	AXRARGOUTLENGTH	1C	
AXRARGBADHEXSTRING	3E	80E	AXRARGOUTPUT	22	40
AXRARGBADLENGTH	3E	808	AXRARGRES1	22	3F
AXRARGBADNAME	3E	830	AXRARGRES2	23	
AXRARGBADNAMELENGTH	3E	810	AXRARGRSVNOTZERO	3E	847
AXRARGBADNUMERIC	3E	80C	AXRARGTOOLONG	3E	82E
AXRARGBADTYPE	3E	809	AXRARGTOOMANY	3E	80B
AXRARGBADUNSIGNED	3E	839	AXRARGTYPE	21	
AXRARGBADVERSION	3E	81A	AXRARGTYPEBITSTRING	28	4
AXRARGCANNOTACCESS	3E	807	AXRARGTYPECHAR	28	3
AXRARGEND	28		AXRARGTYPEHEXSTRING	28	5
AXRARGENTRY	0		AXRARGTYPEDESIGNED	28	1
AXRARGENTRY_LEN	28	28	AXRARGTYPEUNSIGNED	28	2
AXRARGINPUT	22	80	AXRASCREFAILED	3E	C06
AXRARGINPUTFLGS1	22		AXRBADAXRUSER	3E	C09
AXRARGLENGTH	10		AXRBADCONSOLENAME	3E	83B
AXRARGLST	0		AXRBADIWMECREA	3E	C0F
AXRARGLST_LEN	10	10	AXRBADIWMEREG	3E	C05
AXRARGLSTACRO	10	D9C7D3	AXRBADREQTOKEN	3E	849
AXRARGLSTCURVER	10	0	AXRBADREQUEST	3E	846
AXRARGLSTEND	10		AXRBADREXXLIB	3E	861
AXRARGLSTENTRYINERROR	A		AXRBADREXXLIBLEN	3E	860
AXRARGLSTID	0		AXRBADSERVERRC	3E	1002
AXRARGLSTNUMBER	8		AXRBADTIMEINT	3E	817
AXRARGLSTRSVNOTZERO	3E	824	AXRCANCELABENDED	3E	100D
AXRARGLSTRSV1	5		AXRDIAG	0	
AXRARGLSTRSV2	C		AXRDIAG_LEN	1C	28
AXRARGLSTVER	4		AXRDIAGACRO	28	E7D9C4
AXRARGLSTVER0	10	0	AXRDIAGCANNOTACCESS	3E	835
AXRARGNAMEADDR	8		AXRDIAGCURVER	28	1
AXRARGNAMEADDRHIGH	8		AXRDIAGDATA	4	
AXRARGNAMEADDRLOW	C		AXRDIAGEXECRETCODE	4	
AXRARGNAMEALET	18				

AXRZARG Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AXRDIAGFLGS1	1			3E	814
AXRDIAGHEADER			AXRREXXINFALL		
	0			3E	C0E
AXRDIAGID	18		AXRREXXINNOMEMBER		
AXRDIAGNOEXECRETCODE				3E	84E
	1	80	AXRREXXINNOTAUTH		
AXRDIAGVER	0			3E	83E
AXRDIAGVER0	28	0	AXRREXXINNOTPDS		
AXRDIAGVER1	28	1		3E	84B
AXRDIAG1	8		AXRREXXINNOTSEQ		
AXRDIAG2	C			3E	84A
AXRDIAG3	10		AXRREXXINTERPRETERABEND		
AXRDIAG4	14			3E	100F
AXREXECNOTFOUND			AXRREXXLIBBADALET		
	3E	851		3E	85F
AXREXECREXXENVEEROR			AXRREXXOUTCANNOTOPEN		
	3E	C08		3E	843
AXREXECSTNTAXERROR			AXRREXXOUTDSNBAD		
	3E	828		3E	841
AXREXITABENDED			AXRREXXOUTDSNBADALET		
	3E	1007		3E	859
AXRNOFRRLALLOWED			AXRREXXOUTDSNCANNOTACCESS		
	3E	801		3E	815
AXRNOLOCKSALLOWED			AXRREXXOUTFAIL		
	3E	802		3E	C0D
AXRNOTABLETOALLOCATEREXXINDSN			AXRREXXOUTNOTAUTH		
	3E	811		3E	83F
AXRNOTABLETOALLOCATEREXXOUTDSN			AXRREXXOUTNOTPDS		
	3E	812		3E	84D
AXRNOTABLETOUNALLOCATEREXXINDSN			AXRREXXOUTNOTSEQ		
	3E	826		3E	84C
AXRNOTABLETOUNALLOCATEREXXOUTDSN			AXRREXXSERVERABENDED		
	3E	827		3E	1001
AXRNOTACTIVE	3E	C01	AXRREXXVARSBADALET		
AXRNOTAUTHORIZED				3E	857
	3E	804	AXRREXXVARSCANNOTACCESS		
AXRNOTENABLED				3E	816
	3E	805	AXRRSNCODEMASK		
AXRNOTTCBMODE				3E	FFFF
	3E	803	AXRRXLACRO	1C	E7D9D9
AXRPARMLISTBADALET			AXRRXLCONCATNUM		
	3E	854		8	
AXRPLISTCANNOTACCESS			AXRRXLDSNAME	A	
	3E	80A	AXRRXLDSNAMELEN		
AXRRACROUTEBAD				8	
	3E	842	AXRRXLENTY	0	
AXRREQALREADYCANCELLED			AXRRXLENTY_LEN		
	3E	C0C		3E	40
AXRREQCANCELLED			AXRRXLENTYACRO		
	3E	C07		11	E7D3C5
AXRREQNOTACTIVE			AXRRXLENTYID		
	3E	C0B		0	
AXRRETCODECOMPERROR			AXRRXLENTYLEN		
	3E	10		4	
AXRRETCODEENVEEROR			AXRRXLHEADER	0	
	3E	C	AXRRXLHEADER_LEN		
AXRRETCODEERROR				11	18
	3E	8	AXRRXLID	0	
AXRRETCODEOK	3E	0	AXRRXLLEN	4	
AXRREXXARGSBADALET			AXRRXLTOTALLEN		
	3E	856		C	
AXRREXXARGSCANNOTACCESS			AXRRXLVER	10	
	3E	806	AXRRXLVER0	1C	0
AXRREXXCLIENTABENDED			AXRRXLVOLSER	38	
	3E	1003	AXRRXLVOLSERLEN		
AXRREXXDIAGBADALET				36	
	3E	85A	AXRTIMEINTEXPIRED		
AXRREXXINCANNOTOPEN				3E	C0A
	3E	844	AXRTOOMANYEXTENTS		
AXRREXXINDSNBAD				3E	C10
	3E	840	AXRTOOMANYREXXREQS		
AXRREXXINDSNBADALET				3E	C04
	3E	858	AXRUTOKENBADALET		
AXRREXXINDSNCANNOTACCESS				3E	855

AXRZARG Cross Reference

Name	Hex Offset	Hex Value
AXRUTOKENCANNOTACCESS	3E	813
AXRVARBADACRONYM	3E	819
AXRVARBADALET	3E	85D
AXRVARBADBITSTRING	3E	81E
AXRVARBADHEXSTRING	3E	81F
AXRVARBADLENGTH	3E	823
AXRVARBADNAME	3E	82F
AXRVARBADNAMELENGTH	3E	820
AXRVARBADNUMERIC	3E	81D
AXRVARBADTYPE	3E	821
AXRVARBADUNSIGNED	3E	83A
AXRVARBADVALUE	3E	850
AXRVARBADVERSION	3E	81B
AXRVARCANNOTACCESS	3E	822
AXRVARLSTACRO	10	C1D9D3
AXRVARLSTRSVNOTZERO	3E	825
AXRVARNAMEBADALET	3E	85E
AXRVARNAMECANNOTACCESS	3E	833
AXRVARNEITHERINOROUT	3E	838
AXRVARNOEXIST	3E	82B
AXRVARNUMERICTOOBIG	3E	831
AXRVAROUTBADVALUE	3E	852
AXRVARRSVNOTZERO	3E	848
AXRVARTOOLONG	3E	82D
AXRVARTOOMANY	3E	81C

BASEA Information

BASEA Heading Information

Common Name: MASTER SCHEDULER RESIDENT DATA AREA
Macro ID: IEEBASEA
DSECT Name: BASE
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: MSER
 Offset: 4
 Length: 4
Storage Attributes: Key: 0
 Residency: NUCLEUS
Size: 224 BYTES
Created by: IEEBASEC (CSECT IN THE NUCLEUS DURING SYSGEN)
Pointed to by: CVTMSER FIELD OF THE CVT DATA AREA
Serialization: NONE
Function: THIS MACRO PROVIDES THE MAPPING OF MASTER RESIDENT CORE UNIQUE TO THE OS/VS2 SYSTEM AND A MAPPING OF THE MASTER COMMUNICATIONS REGION WHICH IS COMMON TO ALL SYSTEMS OF OS/VS2. THE AREA MAY BE ADDRESSED THROUGH THE COMMUNICATIONS VECTOR TABLE UNDER LABEL CVTMSER. THE BASEA EXTENSION, BASEX, RESIDES IN ESQA AND IS BUILT IN IEEMB881 WHEN THE FIRST ADDRESS SPACE IS CREATED.

BASEA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	224	BASE	
Comment					
FOLLOWING VALUES DEFINE BIT PATTERNS FOR SWITCHES					
End of Comment					
0	(0)	ADDRESS	4	BACHN	HANDLE TO COMMAND SCHEDULING CHAIN Y01939
4	(4)	CHARACTER	4	BACBID	CONTROL BLOCK ID
8	(8)	SIGNED	4	BASCPLID	UTOKEN CELL POLL ID
12	(C)	SIGNED	4	BAIPL	COMMUNICATION WORD
12	(C)	CHARACTER	3	*	
15	(F)	CHARACTER	1	BAIPLCC	USED BY TOD CLOCK MANAGEMENT
16	(10)	ADDRESS	4	BAQ	OVERLAYED BY BAMSLNK WORD1
20	(14)	ADDRESS	4	BAPRC	OVERLAYED BY BAMSLNK WORD2
24	(18)	CHARACTER	8	BALGSTAT	
24	(18)	ADDRESS	4	MSLOGSVC	
28	(1C)	ADDRESS	4	BALOG	POINTER TO LOG CONTROL TABLE Y01939
		1...		BALOGINT	INITIALIZED LOG INDICATOR Y01939
		.1.		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1..		*	RESERVED
		.... .1.		*	RESERVED
		.... ..1.		*	RESERVED
		.... ...1		*	RESERVED
32	(20)	ADDRESS	4	BAEBAPTR	POINTER TO EXTENDED MASTER SCHEDULER RESIDENT DATA AREA (INITIALIZED BY IEEMB860)
36	(24)	CHARACTER	1	BASFL	
36	(24)	CHARACTER	1	BARSW	
		1...		BAIN	IPL FLAG
		.1.		*	RESERVED
		..1.		BAINTSET	INDICATES INTERNAL SET FOR TOD
		...1		BAFSTOR	ALL LOG BUFFERS ARE BEING FREED
		.... 1111		*	RESERVED BITS
37	(25)	UNSIGNED	1	BAVERN	VERSION LEVEL
38	(26)	CHARACTER	2	BASDIPLD	Device number from which the system was IPL'd. Set from UCBCCHAN by IEEVIPL and used by IE ECB985 when processing a Display IPLINFO command.
40	(28)	SIGNED	2	BAPKES	MASK OF INITIATOR PROTECT KEYS
42	(2A)	UNSIGNED	1	BASDIPLS	Subchannel set id of IPL device
43	(2B)	UNSIGNED	1	BASPHY01	RESERVED BYTE
44	(2C)	SIGNED	2	BASPHW02	RESERVED HALFWORD
46	(2E)	CHARACTER	1	MSLOGST	LOG STATUS XMCS

BASEA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		MSLOGENQ	LOG DATASET SCHEDULED TO BE XMCS QUEUED TO SYSOUT WRITER XMCS
		.1..		MSLOGTHD	LOG NOT SUPPORTED BIT XMCS
		.1.		MSLOGCOM	SIGNAL FOR COM TASK TO STOP XMCS ISSUING WTLS XMCS
		...1		MSLOGDAR	LOG INTERNAL ABEND FLAG
		.... 1..		MSLOGIPL	LOG FIRST-TIME ENTRY SWITCH
		.... .1..		MSLOGSTA	LOG STAE ENVIRONMENT SWITCH
		.... ..1.		MSLOGCHN	LOG CHAIN MANIPULATION ERROR
		.... ...1		MSLOGTND	LOG TASK END INDICATOR
47	(2F)	CHARACTER	1	BASPBYTE	MSTR SCH INIT CPL 20030
		1...		BAMSSTAR	STAR RECURSION POINTER Y01037
		.1..		*	RESERVED
		.1.		BAMASCH	MASTER SCHEDULER REGION INITIALIZATION STARTED
		.... 1..		BAMSINIT	MASTER SCHEDULER INITIALIZATION IS COMPLETE
		.... 1..		BAOKDUMP	A DUMP WAS TAKEN BY THE INITIATOR DURING MASTER SCHED INIT
		.... .1..		MSLOGCL	Hardcopy was turned off with a VARY,SYSLOG,HARDCPY, OFF,UNCOND cmd
		.... ..1.		MSLOGVH	Hardcopy was turned back on after a VARY,SYSLOG, HARDCPY,OFF,UNCOND
		.... ...1		*	RESERVED
48	(30)	SIGNED	4	BALOGECB	LOG ECB XMCS
52	(34)	ADDRESS	4	*	Reserved (was BAMTTWKP)
56	(38)	CHARACTER	1	BAMONITR	MONITOR FLAGS (TERMINALS-TJB CHAIN, 20030 CONSOLES-UCME CHAIN) 20030
		1...		BADSN	DSNAME ARE BEING MONITORED
		.1..		BASPACE	SPACE IS BEING MONITORED Y02669
57	(39)	CHARACTER	1	BAMONTR2	SETCON/MONITOR FLAGS
		1...		BASC_MN_JOBS	SETCON MN: JOBNAME MSGS ENABLED
		.1..		BASC_MN_JOBS_LOG	SETCON MN: JOBNAME MSGS LOGGED
		..1.		BASC_MN_SESS	SETCON MN: SESS MSGS ENABLED
		.... 1..		BASC_MN_SESS_LOG	SETCON MN: SESS MSGS LOGGED
		.... .1..		BASC_MN_STAT	SETCON MN: STATUS MSGS ENABLED
		.... ..1.		BASC_MN_STAT_LOG	SETCON MN: STATUS MSGS LOGGED
		.... ...1		BASC_MN_TIMESTAMP	SETCON MN: CURRENT TIMESTAMP SETTING
58	(3A)	CHARACTER	1	BACHFLGS	CSCB FLAGS
		1...		BACSCBA	CSCB LOCATION IS ABOVE 16M
		.1..		BACSCXB	RESERVED
59	(3B)	CHARACTER	1	BARESV	RESERVED
60	(3C)	SIGNED	4	BAMSI ECB	MASTER SCHEDULER INITIALIZATION ECB
64	(40)	ADDRESS	4	BALOGSAV	Saved value of BALOG when VARY SYSLOG,HARDCPY,OFF,UNCOND issued
68	(44)	CHARACTER	8	BARSV1	RESERVED
76	(4C)	SIGNED	4	BALOGCOM	SYSLOG DEB TABLE ADDRESS
80	(50)	SIGNED	4	BASUBECB	SUBSYSTEM SERIALIZATION ECB Y02668
84	(54)	SIGNED	2	BAJNCNT	# OF DEVICES MONITORING JOBNAME Y02669
86	(56)	SIGNED	2	BASESCT	# OF DEVICES MONITORING SESSIONS Y02669
88	(58)	SIGNED	2	BASTCNT	# OF DEVICES MONITORING STATUS Y02669
90	(5A)	SIGNED	2	BARSV2	RESERVED
92	(5C)	ADDRESS	4	MSSCHED	POINTER TO SCHEDULER NIP PARAMETER LIST
96	(60)	ADDRESS	4	MSSMFFPRM	POINTER TO THE SMF PARMLIB MEMBER Y02675
100	(64)	ADDRESS	4	BAASCB	MASTER SCHEDULER ASCB ADDRESS R20290
104	(68)	CHARACTER	4	*	Y02669
104	(68)	CHARACTER	1	MSLOGCLS	LOG OUTPUT CLASS Y02669
105	(69)	UNSIGNED	3	MSLOGLMT	NO. OF WTLS IN ONE DATA SET
108	(6C)	ADDRESS	4	MSLGCLOZ	LOG TERMINATION ECB
108	(6C)	ADDRESS	1	MSCLOSSW	ECB WAIT/POST FIELD
		1...		MSCLOS	ECB WAIT BIT
		.1..		MSCLOSP	ECB POST BIT
		..11 1111		*	RESERVED
112	(70)	ADDRESS	4	MSLGWLOG	LOG DATA SET SWITCH ECB
112	(70)	ADDRESS	1	MSWLOGSW	ECB WAIT/POST FIELD
		1...		MSWLOGW	ECB WAIT BIT
		.1..		MSWLOGP	ECB POST BIT
		..11 1111		*	RESERVED
116	(74)	ADDRESS	4	MSLGWTR	LOG WTL QUEUE WRITER ECB
116	(74)	ADDRESS	1	MSWTRSW	ECB WAIT/POST FIELD
		1...		MSWTRW	ECB WAIT BIT
		.1..		MSWTRP	ECB POST BIT
		..11 1111		*	RESERVED
117	(75)	ADDRESS	3	*	RESERVED
120	(78)	ADDRESS	4	MSLGSTRT	LOG RE-ACTIVATION ECB
120	(78)	ADDRESS	1	MSSTRTSW	ECB WAIT/POST FIELD

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		MSSTRTW	ECB WAIT BIT
		.1.. ..		MSSTRTP	ECB POST BIT
		..11 1111		*	RESERVED
121	(79)	ADDRESS	3	MSSTRTRB	ECB RB ADDRESS
124	(7C)	SIGNED	4	MSLGJSCB	LOG SWAPPED JSCB ADDRESS
128	(80)	ADDRESS	4	BASCTPTR	POINTER TO SCHEDULED COMMANDS TABLE (IEEMB884)
132	(84)	ADDRESS	4	BACASTPT	POINTER TO CAST
136	(88)	CHARACTER	88	MS1BASEX	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	STRUCTURE	88	BASES01	
136	(88)	UNSIGNED	4	BACSWD1	Compare and swap word
136	(88)	CHARACTER	1	BASPBT02	RESERVED BYTE
137	(89)	CHARACTER	1	MSSSB	MONITOR TIME NOTE BYTE
137	(89)	CHARACTER	1	MSBTN	TIME NOTE BIT IS BIT 6
		1... ..		*	RESERVED BIT
		.1.. ..		*	RESERVED BIT
		..1.		*	RESERVED BIT
		...1		*	RESERVED BIT
		.... 1...		*	RESERVED BIT
		.... .1..		*	RESERVED BIT
		.... ..1.		MSTN	VALUE TO TURN ON TIME NOTE (DECLARED ABNORMAL SO ASSEMBLER GENERATES COMPARE AND SWAP)
		.... ...1		*	RESERVED
138	(8A)	CHARACTER	1	BASPBT03	RESERVED BYTE
139	(8B)	CHARACTER	1	MSECBFL	SCHEDULER FLAG BYTE
		1... ..		BAMSJOBS	IEFJOBS DD IS IN MASTER JCL
		.1.. ..		*	RESERVED BIT
		..1.		MSWTL	LOG ABEND RECURSION BIT
		...1		*	RESERVED BIT
		.... 1...		*	RESERVED BIT
		.... .1..		BACPQMPI	Copy JSCBQMPI when creating a system address space
		.... ..1.		MSSUMR	MSSUM bit has been reset
		.... ...1		MSSUM	SUMMARY BIT, VARY UCB SCAN REQUIRED.
140	(8C)	ADDRESS	4	BAMTTBL	MASTER TRACE TABLE ADDRESS
144	(90)	ADDRESS	4	BAMTRTN	MASTER TRACE DATA ENTRY ROUTINE ADDRESS
148	(94)	CHARACTER	4	BAMTSPSZ	MASTER TRACE TABLE SUBPOOL AND SIZE
148	(94)	CHARACTER	1	BAMTSP	SUBPOOL OF MASTER TRACE TABLE
149	(95)	CHARACTER	3	BAMTLEN	SIZE OF MASTER TRACE TABLE
152	(98)	SIGNED	4	BASPWD0F	RESERVED
156	(9C)	ADDRESS	4	BAMTCDR	MASTER TRACE TABLE CHANGE ROUTINE ADDRESS
160	(A0)	ADDRESS	4	BAMDTAB	ADDR OF TABLE DUMPED BY THE MASTER TRACE RECOVERY ROUTINE
164	(A4)	CHARACTER	4	BAMTDTSZ	SIZE AND SUBPOOL OF TABLE DUMPED BY THE MASTER TRACE RECOVERY ROUTINE
164	(A4)	CHARACTER	1	BAMTDTSP	SUBPOOL OF RECOVERY DUMPED TABLE
165	(A5)	CHARACTER	3	BAMDTLNL	SIZE OF RECOVERY DUMPED TABLE
168	(A8)	BITSTRING	1	*	Reserved (was BAMTCNTL)
169	(A9)	BITSTRING	1	*	Reserved (was BAMTRECFL)
170	(AA)	BITSTRING	1	BAMTITFL	INTERNAL PROCESSING FLAG USED BY MASTER TRACE FACILITY
		1... ..		BAMTITAB	MASTER TRACE TABLE REQUIRED AT SYSTEM INITIALIZATION BIT
		.111 1111		*	RESERVED
171	(AB)	CHARACTER	1	BASPBT04	RESERVED BYTE
172	(AC)	SIGNED	4	*	Reserved (was BAMTDECB)
176	(B0)	SIGNED	4	BAMTINIT	DEFAULT MASTER TRACE TABLE SIZE AND SUBPOOL REQUESTED AT SYSTEM INITIALIZATION
176	(B0)	CHARACTER	1	BAMTINSP	DEFAULT SUBPOOL
177	(B1)	CHARACTER	3	BAMTINLN	DEFAULT SIZE
180	(B4)	SIGNED	4	BAMTVTCB	ADDRESS OF IEEVIPLS TCB FOR MASTER TRACE TABLE GETMAIN AND FREEMAIN IN CNZM1TRC
184	(B8)	ADDRESS	4	BAMJSCB	ADDRESS OF MASTER SCHEDULER JSCB
188	(BC)	ADDRESS	4	BAMTIOT	ADDRESS OF MASTER SCHEDULER TIOT
192	(C0)	SIGNED	2	MSDDNAME	DDNAME OF SYSLOG DATASET
194	(C2)	CHARACTER	2	BASPWD0A	RESERVED
196	(C4)	ADDRESS	4	BACHNL	LAST CSCB ON PERSISTENT CHAIN
200	(C8)	ADDRESS	4	BASEXP	ADDRESS OF BASEA EXTENSION
204	(CC)	UNSIGNED	4	MSMSGID	MSGID of IEE012A
208	(D0)	SIGNED	4	BAJNCNT4	REAL # OF DEVICES MONITORING JOB NAMES. BAJNCNT CANT HOLD SUPPORTED HIGH NUMBER. IT IS MAINTAINED UP TO 7FFF
212	(D4)	SIGNED	4	BASESCT4	REAL # OF DEVICES MONITORING SESS. BASESCT CANT HOLD SUPPORTED HIGH NUMBER. IT IS MAINTAINED UP TO 7FFF

BASEA Constants • BASEA Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
216	(D8)	SIGNED	4	BASTCNT4	REAL # OF DEVICES MONITORING STATUS. BASTCNT CANT HOLD SUPPORTED HIGH NUMBER. IT IS MAINTAINED UP TO 7FFF
220	(DC)	SIGNED	4	BASPRSV1	RESERVED FULL WORD

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	56	BASEX	BASEA EXTENSION
0	(0)	CHARACTER	4	BAXACR	BASEA EXTENSION ACRONYM
4	(4)	UNSIGNED	1	BAXVERS	BASEA EXTENSION VERSION
5	(5)	CHARACTER	1	BAXFLGX	Flags
		1... ..		BAXINIT	BASEX initialized
6	(6)	CHARACTER	2	BAXRES	RESERVED
8	(8)	ADDRESS	4	BACMDP	FIRST CSCB FOR TRANSIENT CHAIN
12	(C)	ADDRESS	4	BACMDL	LAST CSCB FOR TRANSIENT CHAIN
16	(10)	CHARACTER	4	BACHID	CSCB CELL POOL TOKEN ID
20	(14)	CHARACTER	4	BACHXID	CSCX CELL POOL TOKEN ID
24	(18)	ADDRESS	4	BACHNLST	LAST CSCB IEEVWAIT PROCESSED
28	(1C)	ADDRESS	4	BAGFSR	GET/FREE SERVICE ROUTINE - IEEMB843
32	(20)	ADDRESS	4	BAMANR	CHAIN MANIPULATION ROUTINE IEEMB845
36	(24)	ADDRESS	4	BAREBREC	REBUILD RECOVERY ROUTINE IEEMB844
40	(28)	ADDRESS	4	BAESTAE	COMMAND ESTAE CREATION/EXIT ROUTINE (IEECB860)
44	(2C)	ADDRESS	4	BACMFA@	Address of command flood area
48	(30)	CHARACTER	8	BACRSV	Reserved

BASEA Constants

Len	Type	Value	Name	Description
Comment				
CONSTANTS FOR ACRONYM				
End of Comment				
4	CHARACTER	BASX	BACXID	BASEX ACRONYM
Comment				
CONSTANTS FOR VERSION LEVEL (BAVERN)				
End of Comment				
1	DECIMAL	10	BAVERNID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
1	DECIMAL	1	BASP13	VERSION LEVEL OS/VS2 JBB1326
1	DECIMAL	2	BASP410	VERSION LEVEL OS/VS2
1	DECIMAL	10	BA_VERSION_HBB7720	VERSION LVL HBB7720

BASEA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BAASCB	64		BAESTAE	28	
BACASTPT	84		BAFSTOR	24	10
BACBID	4		BAGFSR	1C	
BACHFLGS	3A		BAIN	24	80
BACHID	10		BAINTSET	24	20
BACHN	0		BAIPL	C	
BACHNL	C4		BAIPLCC	F	
BACHNLST	18		BAJNCNT	54	
BACHXID	14		BAJNCNT4	D0	
BACMDL	C		BALGSTAT	18	
BACMDP	8		BALOG	1C	
BACMFA@	2C		BALOGCOM	4C	
BACPQMPI	8B	04	BALOGECB	30	
BACRSV	30		BALOGINT	1C	80
BACSCBA	3A	80	BALOGSAV	40	
BACSCXB	3A	40	BAMANR	20	
BACSWD1	88		BAMASCH	2F	20
BADSN	38	80	BAMJSCB	B8	
BAEBAPTR	20		BAMONITR	38	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BAMONTR2	39		MSCLOSSW	6C	
BAMSIECB	3C		MSCLOSW	6C	80
BAMSINIT	2F	10	MSDDNAME	C0	
BAMSJOBS	8B	80	MSECBFL	8B	
BAMSSTAR	2F	80	MSLGCLOZ	6C	
BAMTCDR	9C		MSLGJSCB	7C	
BAMTDTAB	A0		MSLGSTRT	78	
BAMTDTLN	A5		MSLGWLOG	70	
BAMTDTSP	A4		MSLGWTR	74	
BAMTDTSZ	A4		MSLOGCHN	2E	02
BAMTINIT	B0		MSLOGCL	2F	04
BAMTINLN	B1		MSLOGCLS	68	
BAMTINSP	B0		MSLOGCOM	2E	20
BAMTIOT	BC		MSLOGDAR	2E	10
BAMTITAB	AA	80	MSLOGENQ	2E	80
BAMTITFL	AA		MSLOGIPL	2E	08
BAMTLEN	95		MSLOGLMT	69	
BAMTRTN	90		MSLOGST	2E	
BAMTSP	94		MSLOGSTA	2E	04
BAMTSPSZ	94		MSLOGSVC	18	
BAMTTBL	8C		MSLOGTHD	2E	40
BAMVTVCB	B4		MSLOGTND	2E	01
BAOKDUMP	2F	08	MSLOGVH	2F	02
BAPKES	28		MSMSGID	CC	
BAPRC	14		MSSCHED	5C	
BAQ	10		MSSMFPRM	60	
BAREBREC	24		MSSSB	89	
BARESV	3B		MSSTRTP	78	40
BARSV1	44		MSSTRTRB	79	
BARSV2	5A		MSSTRTSW	78	
BARSW	24		MSSTRTW	78	80
BASC_MN_JOBS	39	80	MSSUM	8B	01
BASC_MN_JOBS_LOG	39	40	MSSUMR	8B	02
BASC_MN_SESS	39	20	MSTN	89	02
BASC_MN_SESS_LOG	39	10	MSWLOGP	70	40
BASC_MN_STAT	39	08	MSWLOGSW	70	
BASC_MN_STAT_LOG	39	04	MSWLOGW	70	80
BASC_MN_TIMESTAMP	39	02	MSWTL	8B	20
BASCPLID	8		MSWTRP	74	40
BASCTPTR	80		MSWTRSW	74	
BASDIPLD	26		MSWTRW	74	80
BASDIPLS	2A		MS1BASEX	88	
BASE	0				
BASESCT	56				
BASESCT4	D4				
BASES01	88				
BASEX	0				
BASEXP	C8				
BASFL	24				
BASPACE	38	40			
BASPBT02	88				
BASPBT03	8A				
BASPBT04	AB				
BASPBYTE	2F				
BASPBY01	2B				
BASPHW02	2C				
BASPRSV1	DC				
BASPWD0A	C2				
BASPWD0F	98				
BASTCNT	58				
BASTCNT4	D8				
BASUBECB	50				
BAVERN	25				
BAXACR	0				
BAXFLGX	5				
BAXINIT	5	80			
BAXRES	6				
BAXVERS	4				
MSBTN	89				
MSCLOSP	6C	40			

BEB Information

BEB Heading Information

Common Name: TCCW Beginning-End Block
Macro ID: IECDBEB
DSECT Name: BEB
Owning Component: Execute Channel Program Processor (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 226
 Key: 0
 Residency: Below 16M line
Size: 64 bytes
Created by: Callers of the CCW translation module, IECVTCCW
Pointed to by: TCCWBEB field of the TCCW data area
 BEBCHAIN field of the BEB data area
 TCCWCBEB field of the TCCW data area
Serialization: LOCAL lock
Function: Contains the translated real channel program. Contains pointers to segments in the real channel program and to its corresponding virtual channel program CCWs. The real channel program contains real storage addresses and is executable by the channel.

BEB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	BEB	
0	(0)	ADDRESS	4	BEBCHAIN	BEB block chain pointer
4	(4)	BITSTRING	1	BEBFLAG	BEB flags-----
		1..		BEB2INUS	"X'80" 2nd chan program segment pointers in use
		.1..		BEBNOPTC	"X'40" NOP TIC used for TIC insertion
		..1.		BEB3INUS	"X'20" 3rd channel program segment pointers in use
		...1		BEBRSVF2	"X'10" Reserved
		.... 1...		BEBRSVF3	"X'08" Reserved
		.... ..1.		BEBRSVF4	"X'04" Reserved
		.... ..1.		BEBRSVF5	"X'02" Reserved
		.... ...1		BEBRSVF6	"X'01" Reserved
5	(5)	BITSTRING	1	BEBCPKEY	Virtual Channel program key
		1..		BEBPPKEY	"X'80" Problem program key
6	(6)	BITSTRING	1	BEBCLRKY	TCCW callers key
7	(7)	ADDRESS	1	BEBRSVB1	Reserved
8	(8)	BITSTRING	16	BEBSGMT1 (0)	1st Channel program segment.....
8	(8)	ADDRESS	4	BEBRLST	Start of real chan program
12	(C)	ADDRESS	4	BEBRLN2	End of real chan program
16	(10)	ADDRESS	4	BEBVRST	Start of virtual chan program
20	(14)	ADDRESS	4	BEBVREN	End of virtual chan program
24	(18)	BITSTRING	16	BEBSGMT2 (0)	2nd Channel program segment.....
24	(18)	ADDRESS	4	BEBRLST2	Start of real chan program
28	(1C)	ADDRESS	4	BEBRLN2	End of real chan program
32	(20)	ADDRESS	4	BEBVRST2	Start of virtual chan program
36	(24)	ADDRESS	4	BEBVREN2	End of virtual chan program
40	(28)	BITSTRING	16	BEBSGMT3 (0)	3rd Channel program segment.....
40	(28)	ADDRESS	4	BEBRLST3	Start of real chan program
44	(2C)	ADDRESS	4	BEBRLN3	End of real chan program
48	(30)	ADDRESS	4	BEBVRST3	Start of virtual chan program
52	(34)	ADDRESS	4	BEBVREN3	End of virtual chan program

Comment _____
 Start of real channel program area-----
 _____ End of Comment _____
 56 (38) DBL WORD 8 BEBSCCW First real CCW area

Comment _____
 BEB block constants
 _____ End of Comment _____
 56 (38) X'10' 0 BEBPTRLN "BEBVREN+L'BEBVREN-BEBRLST" Length of set of segment pointers
 56 (38) X'8' 0 BEBEL "L'BEBSCCW" length of a CCW

BEB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
56	(38)	X'D'	0	BEBNE	"13" Maximum number of CCWs when caller provides 160 byte BEB
56	(38)	X'18'	0	BEBNEL	"24" Maximum number of CCWs when caller provides 248 byte BEB

BEB Cross Reference

Name	Hex Offset	Hex Value
BEB	0	
BEBCHAIN	0	
BEBCLRKY	6	
BEBCPKEY	5	
BEBEL	38	8
BEBFLAG	4	
BEBNE	38	D
BEBNEL	38	18
BEBNOPTC	4	40
BEBPPKEY	5	80
BEBPTRLN	38	10
BEBRLEN	C	
BEBRLEN2	1C	
BEBRLEN3	2C	
BEBRLST	8	
BEBRLST2	18	
BEBRLST3	28	
BEBRSVB1	7	
BEBRSVF2	4	10
BEBRSVF3	4	8
BEBRSVF4	4	4
BEBRSVF5	4	2
BEBRSVF6	4	1
BEBSCCW	38	
BEBSGMT1	8	
BEBSGMT2	18	
BEBSGMT3	28	
BEBVREN	14	
BEBVREN2	24	
BEBVREN3	34	
BEBVRST	10	
BEBVRST2	20	
BEBVRST3	30	
BEB2INUS	4	80
BEB3INUS	4	20

BLSABDPL Information

BLSABDPL Programming Interface information

Programming Interface information

BLSABDPL

End of Programming Interface information

BLSABDPL Heading Information • BLSABDPL Map

BLSABDPL Heading Information

Common Name: ABDUMP Parameter List for Formatters
Macro ID: BLSABDPL
DSECT Name: ABDPL, ADPLEXTN, AMDCPMAP, ADPLPACC, ADPLPFMT, ADPLPFXT, ADPLPECT, ADPLPSEL, ADPLOSEL, ADPLOSNT
Owning Component: IPCS (SC132)
Eye-Catcher ID: None
Storage Attributes:
 Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: 78 (IPCS), 252 (SNAP)
 Key: 0 (SNAP), 8 (IPCS)
 Data Space: No
 Residency: LOC(BELOW,ANY)
Size: 96 bytes
Created by: IPCS, SNAP
Pointed to by: None
Serialization: None
Function: BLSABDPL contains mappings of parameter blocks used for communication between IPCS and SNAP dump formatting hosts and the dump formatting exits invoked by them. It is also used by IPCS and SNAP when calling exits to format GTF records. ABDPL is passed by IPCS or SNAP to each exit. The same block is passed back to service routines available in the two environments.
 ADPLEXTN is an extension to ABDPL, the address of which is filled in by IPCS or SNAP before invoking exits.
 AMDCPMAP is a description of the data returned by the storage access services in response to a request for CPU STATUS information. Note: This is, hopefully, not to be confused with CPU STATUS records used by stand alone dump to capture the result of a processor Store Status operation for each CPU in the system being dumped. The latter may be accessed via the IPCS Symbol and Storage Map services dump access functions.
 ADPLPACC is a description of the parameter list passed by exits when they invoke the storage access service.
 ADPLPFMT is a description of the parameter list passed by exits when they invoke the control block formatter and the model processor services.
 ADPLPFXT is a description of an extension to ADPLPFMT that may, optionally, be passed by exits to the control block formatter and the model processor services.
 ADPLPECT is a description of the parameter list passed by exits to the ECT service.
 ADPLPSEL is a description of the parameter list passed by exits to the select service.
 ADPLOSEL is a description of the header portion of the data returned by the select service to exits.
 ADPLOSNT is a description of one array entry, many of which may be returned by the select service to exits.

BLSABDPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ABDPL	, Common IPCS/SNAP parameter list to exits
0	(0)	ADDRESS	4	ADPLCBP (0)	Address of block for exit
0	(0)	ADDRESS	4	ADPLTCB	TCB of task being displayed
4	(4)	SIGNED	2	ADPLASID	Address space identifier
6	(6)	BITSTRING	1	ADPLSBPL	Subpool used to get save area by component routine
7	(7)	BITSTRING	1	ADPLFLAG	Flag field
		1...		ADPLSNPR	"BIT0" 0=Module loaded by SNAP 1=Module loaded by IPCS
		.1.		ADPLSYTM	"BIT1" 0=System is OS/VS2 1=System is OS/VS1
		..1.		ADPLDMGT	"BIT2" 0=Format DEB only (SNAP caller) 1=Format DEB, DCB, IOB (SNAP caller)
		...1		ADPLIPCS	"BIT3" Called by IPCS
		.... 1...		ADPLPRT	"BIT4" On, SYSPRINT data set request Off, PRINTER data set request
		.... .1..		ADPLSYNO	"BIT5" Exit given control for syntax checking only
		.... ..1.		ADPLEJEC	"BIT6" For a write to PRINTER data set eject page first
8	(8)	ADDRESS	4	ADPLBUF	Pointer to output buffer
12	(C)	ADDRESS	4	ADPLPRNT	Address of print routine
16	(10)	ADDRESS	4	ADPLCVT	Address of CVT
20	(14)	ADDRESS	4	ADPLMEMA	Address of memory access routine
24	(18)	ADDRESS	4	ADPLFRMT	Address of format routine

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	ADDRESS	4	ADPLCOM1	Reserved for component use
32	(20)	ADDRESS	4	ADPLCOM2	Reserved for component use
36	(24)	ADDRESS	4	ADPLCOM3	Reserved for component use
40	(28)	ADDRESS	4	ADPLCOM4	Reserved for component use
44	(2C)	ADDRESS	4	ADPLFMT1	Reserved for format routine
48	(30)	ADDRESS	4	ADPLFMT2	Reserved for format routine
52	(34)	ADDRESS	4	ADPLEXT	Address of extension, whose 1st word contains the address of the operands list or zero if none.
56	(38)	ADDRESS	4	ADPLABDA	Address of host internal parameter list
60	(3C)	ADDRESS	4	ADPLTRFM	Address of trace control block (SNAP only)
64	(40)	ADDRESS	4	ADPLSERV	->Services router
68	(44)	ADDRESS	1	ADPLLEV	Index indentation level
69	(45)	ADDRESS	1		Entry code number corresponding to AMDMNDXT macro entries Support of this interface ended this release
70	(46)	SIGNED	2	ADPLLNCT	Line count per output page
72	(48)	SIGNED	2	ADPLLNRM	Current number of lines remaining on the output page
74	(4A)	SIGNED	2	ADPLDLEN	Storage access request length
76	(4C)	SIGNED	2	ADPLOPLN	Length of verb operand list
78	(4E)	BITSTRING	1	ADPLPRDP	Dump read/format flags
		1...		ADPLVIRT	"BIT0" Virtual address read
		.1.		ADPLREAL	"BIT1" Real address read
		..1.		ADPLCPU	"BIT2" CPU data read
		...1		ADPLHDR	"BIT3" Dump header read

Comment

The following bit governs the masking of register zero prior to its use by the storage access service as a virtual storage address. If it is off, X'7FFFFFFF' will be logically ANDed with register zero to obtain the requested address. If it is on, X'00FFFFFF' will be logically ANDed with register zero to obtain the requested address.

End of Comment

		.... ...1		ADPLSAMK	"BIT7" MVS/370 virtual address reserved
79	(4F)	ADDRESS	1		
80	(50)	ADDRESS	4	ADPLNDX	Address of the TOC service routine
84	(54)	SIGNED	4	ADPLPGNO	Current output page number
88	(58)	ADDRESS	4	ADPLSRA	->Services router area
92	(5C)	BITSTRING	4		reserved
92	(5C)	X'60'	0	ADPLLEN	"*-ABDPL" Length of ABDPL

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADPLEXTN	, ABDPL extension
0	(0)	ADDRESS	4	ADPLOPTR	->Operands buffer
4	(4)	ADDRESS	4	ADPLCPPL	->TSO CPPL
8	(8)	ADDRESS	4	ADPLESYP	-> BLSRESSY
12	(C)	SIGNED	2	ADPLCODE	Router return code
14	(E)	BITSTRING	1	ADPLPFLG	Processing flags
		1...		ADPLNMSG	"BIT0" 1=Suppress error messages
		.1.		ADPLNPRT	"BIT1" 1=Suppress print services
15	(F)	BITSTRING	1	ADPLEFLG	Error flags
		1...		ADPLEFAS	"BIT0" 1=No automatic storage
16	(10)	ADDRESS	1	ADPLMAXL	Recommended maximum line width
17	(11)	ADDRESS	1	ADPLSCOL	Control block formatting start column. Zero based. Zero means do not offset the data.
18	(12)	ADDRESS	1	ADPLCOLS	Control block formatting column spacing
19	(13)	BITSTRING	1		reserved
20	(14)	SIGNED	2	ADPLEFCD	Exit function code
20	(14)	X'1'	0	ADPLEFAN	"1,2,C'H" Exit called as ANALYZE exit
20	(14)	X'2'	0	ADPLEFAC	"2,2,C'H" Exit called as ASCB exit
20	(14)	X'3'	0	ADPLEFTC	"3,2,C'H" Exit called as TCB exit
20	(14)	X'4'	0	ADPLEFSR	"4,2,C'H" Exit called as formatting exit
22	(16)	BITSTRING	1	ADPLEFLE	Environment flags
		1...		ADPLZARCH	"BIT0" z/Architecture dump data
		1...		ADPLESAME	"BIT0" z/Architecture dump data
23	(17)	BITSTRING	41	ADPLRSV1	reserved
23	(17)	X'40'	0	ADPLEXTL	"*-ADPLEXTN" Length of ADPLEXTN

BLSABDPL Map

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

Service codes defining services to router					

End of Comment					
23	(17)	X'1'	0	ADPLS000	"1,4,C'F'" 1st service code in use
23	(17)	X'1'	0	ADPLSACC	"1,4,C'F'" Storage access service
23	(17)	X'2'	0	ADPLSPRT	"2,4,C'F'" Print service
23	(17)	X'3'	0	ADPLSFMT	"3,4,C'F'" Format model processor
23	(17)	X'4'	0	ADPLSCBF	"4,4,C'F'" Control block formatter service
23	(17)	X'5'	0	ADPLSNDX	"5,4,C'F'" Index service
23	(17)	X'6'	0	ADPLSECT	"6,4,C'F'" Ect exit service
23	(17)	X'7'	0	ADPLSSEL	"7,4,C'F'" Select ASID service
23	(17)	X'8'	0	ADPLSEQS	"8,4,C'F'" Equate symbol service
23	(17)	X'9'	0	ADPLSGTS	"9,4,C'F'" Get symbol service
23	(17)	X'A'	0	ADPLSCQE	"10,4,C'F'" CQE create service
23	(17)	X'B'	0	ADPLSCBS	"11,4,C'F'" CB status service
23	(17)	X'C'	0	ADPLSPR2	"12,4,C'F'" Expanded Print service with a parm list. See BLSUPPR2 mapping
23	(17)	X'D'	0	ADPLSADS	"13,4,C'F'" Add symptom service
23	(17)	X'E'	0	ADPLSWHS	"14,4,C'F'" WHERE service
23	(17)	X'F'	0	ADPLSNAM	"15,4,C'F'" NAME service
23	(17)	X'10'	0	ADPLSSYM	"16,4,C'F'" SYMBOL service
23	(17)	X'11'	0	ADPLSMAP	"17,4,C'F'" MAP service
23	(17)	X'12'	0	ADPLSNTK	"18,4,C'F'" NAME/TOKEN service
23	(17)	X'13'	0	ADPLSCSI	"19,4,C'F'" CSVINFO service
23	(17)	X'14'	0	ADPLSSTR	"20,4,C'F'" IXLZSTR service
23	(17)	X'15'	0	ADPLSSYD	"21,4,C'F'" SYMDEF service
23	(17)	X'15'	0	ADPLS999	"21,4,C'F'" Last service code in use

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	AMDCPMAP	, CPU status record data mapping
0	(0)	BITSTRING	1	AMDCFLAG	CPU status flags
		1...		AMDCUNIP	"BIT0" CPU is a uniprocessor: Processor address is invalid.
		.1...		AMDCSINV	"BIT1" Stand-alone dump unable to store status. Only processor address is valid.
		..1.		AMDCGPRV	"BIT2" Operator did not perform store status. Only general registers and, if MP, processor address are valid.
		...1		AMDCSADP	"BIT3" Not from a stand alone dump
1	(1)	BITSTRING	1	AMDCPAD1	Padding
2	(2)	SIGNED	2	AMDCPADR	Processor address
4	(4)	BITSTRING	168	AMDCREGS (0)	Registers and current PSW
4	(4)	BITSTRING	32	AMDCFREG	Floating point REGs 0,2,4,6
36	(24)	BITSTRING	64	AMDCGREG	General registers
100	(64)	BITSTRING	64	AMDCCREG	Control registers
164	(A4)	BITSTRING	8	AMDCPCSW	Current PSW
172	(AC)	ADDRESS	4	AMDCPREG	Prefix register
176	(B0)	BITSTRING	8	AMDCTIME	CPU timer value
184	(B8)	BITSTRING	8	AMDCLOCK	Clock comparator value
184	(B8)	X'C0'	0	AMDCPMAL	**-AMDCPMAP" Length of AMDCPMAP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADPLPACC	, Storage access parameter list
0	(0)	ADDRESS	4	ADPLPAAD	Dump address to access
4	(4)	ADDRESS	4	ADPLPART	Buffer location of data
8	(8)	BITSTRING	56		reserved
8	(8)	X'40'	0	ADPLLACC	**-ADPLPACC" Length of ADPLPACC

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADPLPFMT	, Common parameter list
0	(0)	BITSTRING	1	ADPLPOPT	Option flags
		1...		ADPLPOAC	"BIT0" Check acronym
		.1...		ADPLPOIX	"BIT1" Index entry wanted
		..1.		ADPLPOLM	"BIT2" Line mode

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		ADPLPOCL	"BIT3" Final host invocation to delete modules and freemain CBAT load table storage
		.... 1...		ADPLPSOF	"BIT4" Suppress offsets
		.... .1..		ADPLPPDA	"BIT5" Print dump address
		.... ..1.		ADPLPSDH	"BIT6" Suppress dump header
		.... ...1		ADPLPSTM	"BIT7" Suppress truncation msg
1	(1)	BITSTRING	2	ADPLPRET (0)	Flags for returning information to caller
1	(1)	BITSTRING	1	ADPLPRE1	
		1...		ADPLPRAC	"BIT0" Bad acronym check
		.1...		ADPLPRNL	"BIT1" Unable to load model/formatter
		..1.		ADPLPRNB	"BIT2" Unavailable control block
		...1		ADPLPRNF	"BIT3" Unable to format
		.... 1...		ADPLPRTB	"BIT4" Truncated block
		.... .1..		ADPLPRNC	"BIT5" CBFORMAT service was unable to associate the data type specified with any data type defined
		.... ..1.		ADPLPRNE	"BIT6" CBFORMAT service was able to associate the data type specified with a defined data type, but neither formatter nor model is, in turn, related to the data type
		.... ...1		ADPLPRNG	"BIT7" No CBAT load table storage
2	(2)	BITSTRING	1	ADPLPRE2	
		1...		ADPLPRUU	"BIT0" Entry previously marked unuseable
		.1.		ADPLPRIM	"BIT1" Invalid model specification
		..1.		ADPLPRCM	"BIT2" Model error
		...1		ADPLPNVM	"BIT3" No view match, nothing printed
		.... 1...		ADPLPBXI	"BIT4" Bad extension identifier
		.... .1..		ADPLPFEF	"BIT5" Formatting exit failure
		.... ..1.		ADPLPNXD	"BIT6" No EXIT DATA
3	(3)	SIGNED	1	ADPLPBLC	Blank line count
4	(4)	CHARACTER	8	ADPLPCHA	Control block acronym or model name
12	(C)	ADDRESS	4	ADPLPPTR	Model address
16	(10)	ADDRESS	4	ADPLPBAS	Buffer address if block is in main storage
20	(14)	SIGNED	2	ADPLPDAC	Dynamic array count
22	(16)	SIGNED	2	ADPLPBLS	Length of block in main storage
24	(18)	ADDRESS	4	ADPLPBAV	Virtual block address in dump
28	(1C)	ADDRESS	4	ADPLPLME	Line mode exit entry point address
32	(20)	BITSTRING	2	ADPLPVCL (0)	Field viewing control
32	(20)	BITSTRING	1	ADPLPVC1	
		1...		ADPLPKEY	"BIT0" Keyfield
		.1.		ADPLPSUM	"BIT1" Summary field
		..1.		ADPLPREG	"BIT2" Register save area
		...1		ADPLPLIN	"BIT3" Linkage field
		.... 1...		ADPLPEFD	"BIT4" Error fields
		.... .1..		ADPLPHEX	"BIT5" Hex dump
		.... ..1.		ADPLPNOR	"BIT6" All non reserved fields
		.... ...1		ADPLPRES	"BIT7" Reserved fields
33	(21)	BITSTRING	1	ADPLPVC2	
		1...		ADPLPSTA	"BIT0" Static array
		1...		ADPLPDCD	"BIT0" Decode flagfields
		.1.		ADPLPDYN	"BIT1" Dynamic array
		..1.		ADPLPINP	"BIT2" Input field
		...1		ADPLPOUT	"BIT3" Output field
		.... 1...		ADPLPCV1	"BIT4" Component use
		.... .1..		ADPLPCV2	"BIT5" Component use
		.... ..1.		ADPLPCV3	"BIT6" Component use
		.... ...1		ADPLPCV4	"BIT7" Component use
34	(22)	SIGNED	2	ADPLPOSI	Starting offset
36	(24)	SIGNED	4	ADPLPDL (2)	Dimension lower limits
36	(24)	SIGNED	4	ADPLPDL1	Dimension 1 lower limit
40	(28)	SIGNED	4	ADPLPDL2	Dimension 2 lower limit
44	(2C)	SIGNED	4	ADPLPDU (2)	Dimension upper limits
44	(2C)	SIGNED	4	ADPLPDU1	Dimension 1 upper limit
48	(30)	SIGNED	4	ADPLPDU2	Dimension 2 upper limit
52	(34)	BITSTRING	4		Reserved
56	(38)	SIGNED	4	ADPLPEXP	-> Format parameter extension
60	(3C)	SIGNED	4	ADPLPFXC	Format exit communication
60	(3C)	X'40'	0	ADPLLFMT	"*-ADPLPFMT" Length of ADPLPFMT

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	ADPLPECT	, ECT service parameter list
0	(0)	BITSTRING	1	ADPLPEFG	Flags for choosing exit - '0' indicates verb exit
		1...		ADPLPETB	"BIT0" TCB exit

BLSABDPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		ADPLPEAS	"BIT1" ASCB exit
		..1.		ADPLPEVR	"BIT2" VERB exit
		...1		ADPLPESC	"BIT3" Subcommand or command procedure
		.... .1..		ADPLPESP	"BIT5" Special exit
		.... ..1.		ADPLPENM	"BIT6" Exit name is in ADPLPEVB
		.... ...1		ADPLPESR	"BIT7" Formatting exit
1	(1)	BITSTRING	1	ADPLPERR	Flags for returning information to caller
		1...		ADPLPEST	"BIT0" Exit return code='4' indicating insufficient storage
		.1..		ADPLPENV	"BIT1" Verb not found in ECT
		..1.		ADPLPELI	"BIT2" LINK failed - 806 abend
		...1		ADPLPENE	"BIT3" No ESTAE established
2	(2)	BITSTRING	1	ADPLPECF	Control flags
		1...		ADPLPECP	"BIT0" ADPLPEPL -> parm list
		.1..		ADPLPEMA	"BIT1" Use ADPLSAMK value passed
		..1.		ADPLPTOC	"BIT2" Suppressing TOC entries
3	(3)	BITSTRING	1		Reserved
4	(4)	CHARACTER	8	ADPLPEVB	VERB to search on
12	(C)	ADDRESS	4	ADPLPEPL	-> Parameter list to be passed to the exit
16	(10)	ADDRESS	4	ADPLPESY	-> BLSRESSY
20	(14)	BITSTRING	44		Reserved
20	(14)	X'40'	0	ADPLLECT	**ADPLPECT" Length of ADPLPECT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADPLPSEL	, Select ASID service parm list
0	(0)	BITSTRING	1	ADPLPSF1	Keyword flags
		1...		ADPLPSAL	"BIT0" ALL
		.1..		ADPLPSCR	"BIT1" CURRENT
		..1.		ADPLPSER	"BIT2" ERROR
		...1		ADPLPSTE	"BIT3" TCBERROR
		.... 1...		ADPLPSJL	"BIT4" JOBLIST
		.... .1..		ADPLPSAS	"BIT5" ASIDLIST
1	(1)	BITSTRING	1	ADPLPSF2	Option flags
		1...		ADPLPSXL	"BIT0" Use extended length
		.1..		ADPLPSAF	"BIT1" Select all ASIDs referenced by the ASIDLIST (if any)
2	(2)	BITSTRING	1		Reserved
3	(3)	BITSTRING	1	ADPLPSCF	Condition flags
		1...		ADPLPSNV	"BIT0" Unable to get ASVT
4	(4)	ADDRESS	4	ADPLPSOL	->Select service output list
8	(8)	ADDRESS	4	ADPLPSJN	->Jobname list
12	(C)	ADDRESS	4	ADPLPSAI	->ASID list
16	(10)	SIGNED	4	ADPLPS31	Extended output length
20	(14)	BITSTRING	44		reserved
20	(14)	X'40'	0	ADPLLSEL	**ADPLPSEL" Length of ADPLPSEL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADPLOSEL	, Select ASID output header
0	(0)	BITSTRING	8	ADPLOSHD (0)	Header
0	(0)	SIGNED	2	ADPLOSSZ	Size of entire list
2	(2)	SIGNED	2	ADPLOSCT	Count of entries
4	(4)	BITSTRING	1	ADPLOSSF	Selection flags
		1...		ADPLOSJM	"BIT0" Some jobname(s) not found
		.1..		ADPLOSAU	"BIT1" Some ASID(s) unassigned
		..1.		ADPLOSAM	"BIT2" Some ASID(s) not in dump
5	(5)	BITSTRING	1	ADPLOSDF	Dump flags
		1...		ADPLOSSD	"BIT0" Stand alone dump
6	(6)	BITSTRING	1		Reserved
7	(7)	SIGNED	1	ADPLOSSP	Subpool
8	(8)	DBL WORD	8	ADPLOSNB (0)	End of fixed-length base
8	(8)	X'8'	0	ADPLOSLL	**ADPLOSEL" Length of ADPLOSEL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADPLOSNT	, Array, 1 per selected ASID
0	(0)	ADDRESS	4	ADPLOSAP	Pointer to ASCB
4	(4)	BITSTRING	4	ADPLOSOW (0)	Control word
4	(4)	BITSTRING	1	ADPLOSF1	Flag for selection match

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		ADPLOS CR	"BIT0" Current on CPU=ASLCPUX
		.1.		ADPLOS JN	"BIT1" Matches jobnames(ASLJOBX)
		..1.		ADPLOS ER	"BIT2" ASID in error
		...1		ADPLOS TE	"BIT3" TCBERROR
		.... 1..		ADPLOS AS	"BIT4" Selected by ASIDLIST
		.... .1.		ADPLOS AL	"BIT5" Selected by ALL
5	(5)	BITSTRING	1	ADPLOS F2	Status flags
		1...		ADPLOS HA	"BIT0" CURRENT HOME ASID
		.1.		ADPLOS PA	"BIT1" CURRENT PRIMARY ASID
		..1.		ADPLOS SA	"BIT2" CURRENT SECONDARY ASID
		...1		ADPLOS CM	"BIT3" ASID HOLDS CML LOCK
		.... 1..		ADPLOS ND	"BIT4" Address space not in dump
		.... .1.		ADPLOS NA	"BIT5" Private area not accessed
6	(6)	BITSTRING	1	ADPLOS CP	CPUID where current
7	(7)	BITSTRING	3		Reserved
10	(A)	BITSTRING	2	ADPLOS C2	CPUID where current
12	(C)	SIGNED	2	ADPLOS AI	ASID
14	(E)	BITSTRING	2		Reserved
16	(10)	CHARACTER	8	ADPLOS JB	Jobname
24	(18)	BITSTRING	8		RESERVED
24	(18)	X'20'	0	ADPLOS NL	"*-ADPLOSNT" Length of ADPLOSNT

BLSABDPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ABDPL	0		ADPLNMSG	E	80
ADPLABDA	38		ADPLNPRT	E	40
ADPLASID	4	0	ADPLOPLN	4C	0
ADPLBUF	8		ADPLOPTR	0	
ADPLCBP	0		ADPLOS AI	C	0
ADPLCODE	C	0	ADPLOS AL	4	4
ADPLCOLS	12		ADPLOS AM	4	20
ADPLCOM1	1C		ADPLOS AP	0	
ADPLCOM2	20		ADPLOS AS	4	8
ADPLCOM3	24		ADPLOS AU	4	40
ADPLCOM4	28		ADPLOS CM	5	10
ADPLCPPL	4		ADPLOS CP	6	0
ADPLCPU	4E	20	ADPLOS CR	4	80
ADPLCVT	10		ADPLOS CT	2	0
ADPLDLLEN	4A	0	ADPLOS CW	4	
ADPLDMGT	7	20	ADPLOS C2	A	0
ADPLEFAC	14	2	ADPLOS DF	5	0
ADPLEFAN	14	1	ADPLOS EL	0	
ADPLEFAS	F	80	ADPLOS ER	4	20
ADPLEFCD	14	0	ADPLOS F1	4	0
ADPLEFLE	16	0	ADPLOS F2	5	0
ADPLEFLG	F	0	ADPLOS HA	5	80
ADPLEFSR	14	4	ADPLOS HD	0	
ADPLEFTC	14	3	ADPLOS JB	10	40404040
ADPLEJEC	7	2	ADPLOS JM	4	80
ADPLESAME	16	80	ADPLOS JN	4	40
ADPLESYP	8		ADPLOS LL	8	8
ADPLEXT	34		ADPLOS NA	5	4
ADPLEXTL	17	40	ADPLOS NB	8	
ADPLEXTN	0		ADPLOS ND	5	8
ADPLFLAG	7	0	ADPLOS NL	18	20
ADPLFMT1	2C		ADPLOS NT	0	
ADPLFMT2	30		ADPLOS PA	5	40
ADPLFRMT	18		ADPLOS SA	5	20
ADPLHDR	4E	10	ADPLOS SD	5	80
ADPLIPCS	7	10	ADPLOS SF	4	0
ADPLLACC	8	40	ADPLOS SP	7	0
ADPLLECT	14	40	ADPLOS SZ	0	0
ADPLLEN	5C	60	ADPLOS TE	4	10
ADPLLEV	44		ADPLPAAD	0	
ADPLLFMT	3C	40	ADPLPACC	0	
ADPLLNCT	46	0	ADPLPART	4	
ADPLLNRM	48	0	ADPLPBAS	10	
ADPLLSEL	14	40	ADPLPBAV	18	
ADPLMAXL	10		ADPLPBLC	3	0
ADPLMEMA	14		ADPLPBLS	16	0
ADPLNDX	50		ADPLPBXI	2	8

BLSABDPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADPLPCHA	4	40404040	ADPLPRT	7	8
ADPLPCV1	21	8	ADPLPRTB	1	8
ADPLPCV2	21	4	ADPLPRUU	2	80
ADPLPCV3	21	2	ADPLPSAF	1	40
ADPLPCV4	21	1	ADPLPSAI	C	
ADPLPDAC	14	0	ADPLPSAL	0	80
ADPLPDCD	21	80	ADPLPSAS	0	4
ADPLPDL	24		ADPLPSCF	3	0
ADPLPDL1	24	0	ADPLPSCR	0	40
ADPLPDL2	28	0	ADPLPSDH	0	2
ADPLPDU	2C		ADPLPSEL	0	
ADPLPDU1	2C	0	ADPLPSER	0	20
ADPLPDU2	30	0	ADPLPSF1	0	0
ADPLPDYN	21	40	ADPLPSF2	1	0
ADPLPEAS	0	40	ADPLPSJL	0	8
ADPLPECF	2	0	ADPLPSJN	8	
ADPLPECP	2	80	ADPLPSNV	3	80
ADPLPECT	0		ADPLPSOF	0	8
ADPLPEFD	20	8	ADPLPSOL	4	
ADPLPEFG	0	0	ADPLPSTA	21	80
ADPLPELI	1	20	ADPLPSTE	0	10
ADPLPEMA	2	40	ADPLPSTM	0	1
ADPLPENE	1	10	ADPLPSUM	20	40
ADPLPENM	0	2	ADPLPSXL	1	80
ADPLPENV	1	40	ADPLPS31	10	0
ADPLPEPL	C		ADPLPTOC	2	20
ADPLPERR	1	0	ADPLPVCL	20	
ADPLPESC	0	10	ADPLPVC1	20	3
ADPLPESP	0	4	ADPLPVC2	21	0
ADPLPESR	0	1	ADPLREAL	4E	40
ADPLPEST	1	80	ADPLRSV1	17	0
ADPLPESY	10		ADPLSACC	17	1
ADPLPETB	0	80	ADPLSADS	17	D
ADPLPEVB	4	40404040	ADPLSAMK	4E	1
ADPLPEVR	0	20	ADPLSBPL	6	0
ADPLPEXP	38	0	ADPLSCBF	17	4
ADPLPFEF	2	4	ADPLSCBS	17	B
ADPLPFLG	E	0	ADPLSCOL	11	
ADPLPFMT	0		ADPLSCQE	17	A
ADPLPFXC	3C	0	ADPLSCSI	17	13
ADPLPGNO	54	0	ADPLSECT	17	6
ADPLPHEX	20	4	ADPLSEQS	17	8
ADPLPINP	21	20	ADPLSERV	40	
ADPLPKEY	20	80	ADPLSFMT	17	3
ADPLPLIN	20	10	ADPLSGTS	17	9
ADPLPLME	1C		ADPLSMAP	17	11
ADPLPNOR	20	2	ADPLSNAM	17	F
ADPLPNVM	2	10	ADPLSNDX	17	5
ADPLPNXD	2	2	ADPLSNPR	7	80
ADPLPOAC	0	80	ADPLSNTK	17	12
ADPLPOCL	0	10	ADPLSPRT	17	2
ADPLPOIX	0	40	ADPLSPR2	17	C
ADPLPOLM	0	20	ADPLSRA	58	
ADPLPOPT	0	0	ADPLSSEL	17	7
ADPLPOSI	22	0	ADPLSSTR	17	14
ADPLPOUT	21	10	ADPLSSYD	17	15
ADPLPPDA	0	4	ADPLSSYM	17	10
ADPLPPTR	C		ADPLSWHS	17	E
ADPLPRAC	1	80	ADPLSYNO	7	4
ADPLPRCM	2	20	ADPLSYTM	7	40
ADPLPRDP	4E	0	ADPLS000	17	1
ADPLPREG	20	20	ADPLS999	17	15
ADPLPRES	20	1	ADPLTCB	0	
ADPLPRET	1		ADPLTRFM	3C	
ADPLPRE1	1	0	ADPLVIRT	4E	80
ADPLPRE2	2	0	ADPLZARCH	16	80
ADPLPRIM	2	40	AMDCCPSW	A4	0
ADPLPRNB	1	20	AMDCCREG	64	0
ADPLPRNC	1	4	AMDCFLAG	0	0
ADPLPRNE	1	2	AMDCFREG	4	0
ADPLPRNF	1	10	AMDCGPRV	0	20
ADPLPRNG	1	1	AMDCGREG	24	0
ADPLPRNL	1	40	AMDCLOCK	B8	0
ADPLPRNT	C		AMDCPADR	2	0

Name	Hex Offset	Hex Value
AMDCPAD1	1	0
AMDCPMAL	B8	C0
AMDCPMAP	0	
AMDCPREG	AC	
AMDCREGS	4	
AMDCSADP	0	10
AMDCSINV	0	40
AMDCTIME	B0	0
AMDCUNIP	0	80

BLSACBSP Information

BLSACBSP Programming Interface information

_____ Programming Interface information _____

BLSACBSP

_____ End of Programming Interface information _____

BLSACBSP Heading Information • BLSACBSP Map

BLSACBSP Heading Information

Common Name: Control Block Status (CBSTAT) service parameter list
Macro ID: BLSACBSP
DSECT Name: Selected by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: CBSP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 132 bytes
 ABITS=64: 152 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a structure for which any CBSTAT exits should be run. The BLSRCBSP structure is also used to inform each CBSTAT exit regarding the location of the structure of interest.
Serialization: None
Function: This parameter list is used by IPCS exits to request control block status for a specific control block.

BLSACBSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	STRUCTURE	0	CBSP	, IPCS CBSTAT parameter list
0	(0)	CHARACTER	1	CBSP000 (0)	Begin BLSACBSP #MD99266

Comment

 A Control Block Status (CBSTAT) parameter list contains the definition of a control block that CBSTAT exits are to produce status for.

End of Comment

0	(0)	CHARACTER	5	CBSPID (0)	CBSTAT parameter list identifier
0	(0)	CHARACTER	4	CBSPIDC	CBSP acronym
4	(4)	CHARACTER	1	CBSPIDL	BLSACBSP subtype - ABITS=31
4	(4)	X'F1'	0	CBSPIDL31	"C'1" BLSACBSP subtype - ABITS=31
4	(4)	X'F2'	0	CBSPIDL64	"C'2" BLSACBSP subtype - ABITS=64
5	(5)	BITSTRING	3		reserved

Comment

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
- Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<ul style="list-style-type: none"> - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL) - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE)) - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID) - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME) - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER) - Code LI refers to a literal value associated with a symbol (LITERAL) - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER)) - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP) 					
(2) A binary integer whose interpretation depends on the preceding code:					
<ul style="list-style-type: none"> - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. 					
(3) A doubleword whose interpretation depends on the preceding code:					
<ul style="list-style-type: none"> - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. 					

					End of Comment
8	(8)	SIGNED	4	(0)	Align on word boundary
8	(8)	CHARACTER	16	CBSPAS (0)	IPCS address space descriptor
8	(8)	CHARACTER	1	CBSPAS0 (0)	Begin BLSRDATS #MD03009
8	(8)	CHARACTER	2	CBSPAST (0)	Address space type code
8	(8)	ADDRESS	2		Address space type code
8	(8)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
8	(8)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
8	(8)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
8	(8)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR

BLSACBSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	X'C340'	0	ZZZASTC	"C'C'" CPU STATUS
8	(8)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
8	(8)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
8	(8)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
8	(8)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
8	(8)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
8	(8)	X'C840'	0	ZZZASTH	"C'H'" HEADER
8	(8)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
8	(8)	X'4040'	0	ZZZASTNO	"C'" No address space type code
8	(8)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
8	(8)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
8	(8)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
8	(8)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
8	(8)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
10	(A)	BITSTRING	2	CBSPASH	Reserved
12	(C)	SIGNED	4	CBSPAS1 (0)	Integer 1
12	(C)	SIGNED	4		Integer 1
16	(10)	CHARACTER	8	CBSPASC (0)	Second qualifier
16	(10)	SIGNED	4	CBSPAS2 (0)	Integer 2
16	(10)	SIGNED	4		Integer 2
20	(14)	BITSTRING	4	CBSPAS3	Reserved
24	(18)	CHARACTER	1	CBSPAS9 (0)	End BLSRDATS #MD03009
24	(18)	ADDRESS	4	CBSPPLAD	CBSP address
24	(18)	X'80'	0	BIT0	"128"
24	(18)	X'40'	0	BIT1	"64"
24	(18)	X'20'	0	BIT2	"32"
24	(18)	X'10'	0	BIT3	"16"
24	(18)	X'8'	0	BIT4	"8"
24	(18)	X'4'	0	BIT5	"4"
24	(18)	X'2'	0	BIT6	"2"
24	(18)	X'1'	0	BIT7	"1"

Comment

IPCS records the following properties for areas of storage:

- The offset between an addressed byte and the physical origin of this area.
- The physical length of this area.
- A data type.
- An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.

End of Comment

28	(1C)	SIGNED	4	(0)	Align structure on boundary
28	(1C)	CHARACTER	60	CBSPD (0)	IPCS attribute descriptor
28	(1C)	CHARACTER	1	CBSPD00 (0)	Begin BLSRDATC #MD03007
28	(1C)	ADDRESS	4	CBSPDOF	Offset in bytes
32	(20)	ADDRESS	4	CBSPDLE	Length in bytes
36	(24)	SIGNED	1	CBSPDOB	
37	(25)	SIGNED	1	CBSPDLB	
38	(26)	SIGNED	2	(0)	Align structure on boundary
38	(26)	CHARACTER	34	CBSPDT (0)	IPCS data type descriptor
38	(26)	CHARACTER	1	CBSPDT0 (0)	Begin BLSRDATT #MD04356
38	(26)	CHARACTER	1	CBSPDTY (0)	Data type code
38	(26)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

38	(26)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
38	(26)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
38	(26)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
38	(26)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
38	(26)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
38	(26)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
38	(26)	X'D3'	0	ZZZDTYL	"C'L',1,C'C'" Module @D1A"
38	(26)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
38	(26)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
38	(26)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
38	(26)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
38	(26)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
39	(27)	BITSTRING	1		
40	(28)	CHARACTER	31	CBSPDTD	Data name
71	(47)	CHARACTER	1	CBSPDTE	reserved
72	(48)	CHARACTER	1	CBSPDT9 (0)	End BLSRDATT #MD04356
72	(48)	SIGNED	4	CBSPDIM	Array entry count
76	(4C)	SIGNED	4	CBSPDIL	Subscript of initial array entry
80	(50)	BITSTRING	4	CBSPDF	Flags
		1... ..		CBSPDFA	"BIT0" Array
84	(54)	BITSTRING	4		
88	(58)	CHARACTER	1	CBSPD99 (0)	End BLSRDATC #MD03007
88	(58)	ADDRESS	4	CBSPBFAD	Address of buffer containing a copy of the control block being processed
92	(5C)	CHARACTER	8	CBSPMODN	Name of module requesting the service @L1P
100	(64)	BITSTRING	32		Reserved
132	(84)	CHARACTER	1	CBSP999 (0)	End BLSACBSP #MD99266

BLSACBSP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	18	80	ZZZASTCR	8	C3D9
BIT1	18	40	ZZZASTCT	8	C3E3
BIT2	18	20	ZZZASTCV	8	C3E5
BIT3	18	10	ZZZASTDS	8	C4E2
BIT4	18	8	ZZZASTH	8	C840
BIT5	18	4	ZZZASTLI	8	D3C9
BIT6	18	2	ZZZASTNO	8	4040
BIT7	18	1	ZZZASTSB	8	E2C2
CBSP	0		ZZZASTSC	8	E2C3
CBSPAS	8		ZZZASTSD	8	E2C4
CBSPASC	10		ZZZASTSS	8	E2E2
CBSPASH	A	0	ZZZASTSV	8	E2E5
CBSPAST	8		ZZZDTYA	26	C1
CBSPAS0	8		ZZZDTYB	26	C2
CBSPAS1	C		ZZZDTYC	26	C3
CBSPAS2	10		ZZZDTYE	26	C5
CBSPAS3	14	0	ZZZDTYF	26	C6
CBSPAS9	18		ZZZDTYI	26	C9
CBSPBFAD	58		ZZZDTYL	26	D3
CBSPD	1C		ZZZDTYM	26	D4
CBSPDF	50	0	ZZZDTYP	26	D7
CBSPDFA	50	80	ZZZDTYU	26	E4
CBSPDIL	4C	0	ZZZDTYY	26	E8
CBSPDIM	48	0	ZZZDTYZ	26	E9
CBSPDLB	25	0			
CBSPDLE	20				
CBSPDOB	24	0			
CBSPDOF	1C				
CBSPDT	26				
CBSPDTD	28	40404040			
CBSPDTE	47	40			
CBSPDTY	26				
CBSPDT0	26				
CBSPDT9	48				
CBSPD00	1C				
CBSPD99	58				
CBSPID	0				
CBSPIDC	0	C3C2E2D7			
CBSPIDL	4	F1			
CBSPIDL31	4	F1			
CBSPIDL64	4	F2			
CBSPHAD	18				
CBSPMODN	5C	40404040			
CBSP000	0				
CBSP999	84				
ZZZASTA	8	C140			
ZZZASTBL	8	C2D3			
ZZZASTBS	8	C2E2			
ZZZASTBT	8	C2E3			
ZZZASTC	8	C340			
ZZZASTCE	8	C3C5			

BLSADSY Information

BLSADSY Programming Interface information

Programming Interface information

BLSADSY

End of Programming Interface information

BLSADSY Heading Information • BLSADSY Map

BLSADSY Heading Information

Common Name: Add symptom service parameter list
Macro ID: BLSADSY
DSECT Name: DSECT name is chosen by user on macro invocation. The DSECT name may be suppressed on macro invocation.
Owning Component: IPCS (SC132)
Eye-Catcher ID: ADSY
 Offset: 0
 Length: 4
Storage Attributes: Subpool: any key 8
 Key: 8
 Data Space: no
 Residency: LOC(ANY)
Size: 64 bytes
Created by: Calling program in the IPCS host environment
Pointed to by: N/A
Serialization: N/A
Function: This parameter list is used by IPCS exits to provide additional symptoms to the dump header record.
 OPERATION = Create a mapping for BLSADSY

BLSADSY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSY	, IPCS add symptom parameter list
0	(0)	CHARACTER	1	ADSY000 (0)	Begin BLSADSY #MD86158

Comment

 An add symptom (ADSY) parameter list contains the address and length of a symptom to be placed in the symptom record portion of the dump header record.

End of Comment

0	(0)	CHARACTER	5	ADSYID (0)	Add symptom parameter identifier
0	(0)	CHARACTER	4	ADSYIDC	ADSY acronym
4	(4)	CHARACTER	1	ADSYIDL	ADSY level indicator
5	(5)	BITSTRING	3	ADSYFLGS (0)	Processing flags
5	(5)	BITSTRING	1	ADSYFL1	First byte of flags
		1...		ADSYNOSV	"BIT0" Do not add symptom on a SVC dump
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	ADSYMOPDN	Name of module requesting the service
16	(10)	ADDRESS	4	ADSYMP	Pointer to a buffer containing a symptom string
20	(14)	SIGNED	4	ADSYML	Length of the symptom string
24	(18)	ADDRESS	4	ADSYMP2	Pointer to a buffer containing a symptom string for pairing
28	(1C)	SIGNED	4	ADSYML2	Length of the symptom string to be paired
32	(20)	BITSTRING	32	ADSYRV2	Reserved
64	(40)	CHARACTER	1	ADSY999 (0)	End BLSADSY #MD86158

BLSADSY Cross Reference

Name	Hex Offset	Hex Value
ADSY	0	
ADSYFLGS	5	
ADSYFL1	5	0
ADSYID	0	
ADSYIDC	0	C1C4E2E8
ADSYIDL	4	F1
ADSYML	14	0
ADSYML2	1C	0
ADSYMODN	8	40404040
ADSYMP	10	
ADSYMP2	18	
ADSYNOSV	5	80
ADSYRV2	20	0
ADSY000	0	
ADSY999	40	
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1

BLSAPCQE Information

BLSAPCQE Programming Interface information

Programming Interface information

BLSAPCQE

End of Programming Interface information

BLSAPCQE Heading Information • BLSAPCQE Map

BLSAPCQE Heading Information

Common Name: Contention Queue Element (CQE) create service parameter list
Macro ID: BLSAPCQE
DSECT Name: PCQE
Owning Component: IPCS (SC132)
Eye-Catcher ID: PCQE
 Offset: 0
 Length: 4
Storage Attributes: Subpool: any key 8
 Key: 8
 Data Space: no
 Residency: LOC(ANY)
Size: 154
Created by: Invoker of CQE create service
Pointed to by: CQE create service parameter list
Serialization: none
Function: Describe the structure of the contention queue service parameter list used by IPCS dump exits to create contention queue entries in the dump directory.
 OPERATION = Create a mapping for BLSAPCQE

BLSAPCQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PCQE	, CQE create parameter list
0	(0)	CHARACTER	1	PCQE000 (0)	Begin BLSAPCQE #MD85283

Comment

 A CQE create parameter list (PCQE) defines the owner or waiter for a resource which may be in contention.

End of Comment

0	(0)	CHARACTER	5	PCQEID (0)	Control block identifier
0	(0)	CHARACTER	4	PCQEIDC	Control block acronym
4	(4)	CHARACTER	1	PCQEIDL	Control block level indicator
5	(5)	BITSTRING	3		Reserved
8	(8)	ADDRESS	4	PCQERSA	Address of resource name
12	(C)	ADDRESS	4	PCQEADA	Address of additional data
16	(10)	SIGNED	4		Reserved
20	(14)	SIGNED	2	PCQERSL	Length of resource name
22	(16)	SIGNED	2	PCQEADL	Length of additional data
24	(18)	CHARACTER	8	PCQESYNM	System name (e.g.CVTSNAME)
32	(20)	CHARACTER	8	PCQEJOBN	Jobname or component specific id
40	(28)	CHARACTER	2	PCQEOW	O=Owner W=Waiter
42	(2A)	BITSTRING	2		Reserved

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

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSAPCQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
					(3) A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
44	(2C)	SIGNED	4	(0)	Align on word boundary
44	(2C)	CHARACTER	16	PCQEAS (0)	IPCS address space descriptor
44	(2C)	CHARACTER	1	PCQEAS0 (0)	Begin BLSRDATS #MD03009
44	(2C)	CHARACTER	2	PCQEAS1 (0)	Address space type code
44	(2C)	ADDRESS	2		Address space type code
44	(2C)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
44	(2C)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
44	(2C)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
44	(2C)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
44	(2C)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
44	(2C)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
44	(2C)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
44	(2C)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
44	(2C)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
44	(2C)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
44	(2C)	X'C840'	0	ZZZASTH	"C'H" HEADER
44	(2C)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
44	(2C)	X'4040'	0	ZZZASTNO	"C'" No address space type code
44	(2C)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
44	(2C)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
44	(2C)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
44	(2C)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
44	(2C)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
46	(2E)	BITSTRING	2	PCQEASH	Reserved
48	(30)	SIGNED	4	PCQEAS1 (0)	Integer 1
48	(30)	SIGNED	4		Integer 1
52	(34)	CHARACTER	8	PCQEASC (0)	Second qualifier
52	(34)	SIGNED	4	PCQEAS2 (0)	Integer 2
52	(34)	SIGNED	4		Integer 2
56	(38)	BITSTRING	4	PCQEAS3	Reserved
60	(3C)	CHARACTER	1	PCQEAS9 (0)	End BLSRDATS #MD03009
60	(3C)	ADDRESS	4	PCQELAD	Logical address

Comment

 IPCS records the following properties for areas of storage:

- The offset between an addressed byte and the physical origin of this area.
- The physical length of this area.
- A data type.
- An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.

 End of Comment

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
64	(40)	SIGNED	4	(0)	Align structure on boundary
64	(40)	CHARACTER	60	PCQED (0)	IPCS attribute descriptor
64	(40)	CHARACTER	1	PCQED00 (0)	Begin BLSRDATC #MD03007
64	(40)	ADDRESS	4	PCQEDOF	Offset in bytes
68	(44)	ADDRESS	4	PCQEDLE	Length in bytes
72	(48)	SIGNED	1	PCQEDOB	
73	(49)	SIGNED	1	PCQEDLB	
74	(4A)	SIGNED	2	(0)	Align structure on boundary
74	(4A)	CHARACTER	34	PCQEDT (0)	IPCS data type descriptor
74	(4A)	CHARACTER	1	PCQEDT0 (0)	Begin BLSRDATT #MD04356
74	(4A)	CHARACTER	1	PCQEDTY (0)	Data type code
74	(4A)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

74	(4A)	X'C1'	0	ZZZDTYA	"C'A',1,C'C" Pointer
74	(4A)	X'C2'	0	ZZZDTYB	"C'B',1,C'C" Bit
74	(4A)	X'C3'	0	ZZZDTYC	"C'C',1,C'C" Character
74	(4A)	X'C5'	0	ZZZDTYE	"C'E',1,C'C" Float
74	(4A)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
74	(4A)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
74	(4A)	X'D3'	0	ZZZDTYL	"C'L',1,C'C" Module @D1A"
74	(4A)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
74	(4A)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
74	(4A)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
74	(4A)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
74	(4A)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
75	(4B)	BITSTRING	1		
76	(4C)	CHARACTER	31	PCQEDTD	Data name
107	(6B)	CHARACTER	1	PCQEDTE	reserved
108	(6C)	CHARACTER	1	PCQEDT9 (0)	End BLSRDATT #MD04356
108	(6C)	SIGNED	4	PCQEDIM	Array entry count
112	(70)	SIGNED	4	PCQEDIL	Subscript of initial array entry
116	(74)	BITSTRING	4	PCQEDF	Flags
		1...		PCQEDFA	"BIT0" Array
120	(78)	BITSTRING	4		
124	(7C)	CHARACTER	1	PCQED99 (0)	End BLSRDATC #MD03007
124	(7C)	CHARACTER	8	PCQEMODN	Name of module requesting the service
132	(84)	ADDRESS	4	PCQEREQA	Address of time of request (TOD)
136	(88)	ADDRESS	4	PCQEGRTA	Address of time of grant (TOD)
140	(8C)	BITSTRING	14		Reserved
154	(9A)	CHARACTER	1	PCQE999 (0)	End BLSAPCQE #MD85283

BLSAPCQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	PCQEDIL	70	0
BIT1	0	40	PCQEDIM	6C	0
BIT2	0	20	PCQEDLB	49	0
BIT3	0	10	PCQEDLE	44	
BIT4	0	8	PCQEDOB	48	0
BIT5	0	4	PCQEDOF	40	
BIT6	0	2	PCQEDT	4A	
BIT7	0	1	PCQEDTD	4C	40404040
PCQE	0		PCQEDTE	6B	40
PCQEADA	C		PCQEDTY	4A	
PCQEADL	16	0	PCQEDT0	4A	
PCQEAS	2C		PCQEDT9	6C	
PCQEASC	34		PCQED00	40	
PCQEASH	2E	0	PCQED99	7C	
PCQEAST	2C		PCQEGRTA	88	
PCQEAS0	2C		PCQEID	0	
PCQEAS1	30		PCQEIDC	0	D7C3D8C5
PCQEAS2	34		PCQEIDL	4	F1
PCQEAS3	38	0	PCQEJOB	20	40404040
PCQEAS9	3C		PCQELAD	3C	
PCQED	40		PCQEMODN	7C	40404040
PCQEDF	74	0	PCQEOW	28	D640
PCQEDFA	74	80	PCQEREQA	84	

BLSAPCQE Cross Reference

Name	Hex Offset	Hex Value
PCQERSA	8	
PCQERSL	14	0
PCQESYNM	18	40404040
PCQE000	0	
PCQE999	9A	
ZZZASTA	2C	C140
ZZZASTBL	2C	C2D3
ZZZASTBS	2C	C2E2
ZZZASTBT	2C	C2E3
ZZZASTC	2C	C340
ZZZASTCE	2C	C3C5
ZZZASTCR	2C	C3D9
ZZZASTCT	2C	C3E3
ZZZASTCV	2C	C3E5
ZZZASTDS	2C	C4E2
ZZZASTH	2C	C840
ZZZASTLI	2C	D3C9
ZZZASTNO	2C	4040
ZZZASTSB	2C	E2C2
ZZZASTSC	2C	E2C3
ZZZASTSD	2C	E2C4
ZZZASTSS	2C	E2E2
ZZZASTSV	2C	E2E5
ZZZDTYA	4A	C1
ZZZDTYB	4A	C2
ZZZDTYC	4A	C3
ZZZDTYE	4A	C5
ZZZDTYF	4A	C6
ZZZDTYI	4A	C9
ZZZDTYL	4A	D3
ZZZDTYM	4A	D4
ZZZDTYP	4A	D7
ZZZDTYU	4A	E4
ZZZDTYY	4A	E8
ZZZDTYZ	4A	E9

BLSQEXTP Information

BLSQEXTP Programming Interface information

Programming Interface information

BLSQEXTP

End of Programming Interface information

BLSQEXTP Heading Information • BLSQEXTP Map

BLSQEXTP Heading Information

Common Name: BLSQEXTI parameter list
Macro ID: BLSQEXTP
DSECT Name: EXTP
Owning Component: IPCS (SC132)
Eye-Catcher ID: none
Storage Attributes: Main Storage: NO
Virtual Storage: YES
Auxiliary Storage: YES
Subpool: Any readable and writable by BLSQEXTI
Key: Any
Data Space: NO
Residency: LOC(ANY)
Size: 8 bytes
Created by: SNAP/ABDUMP, IPCS, et. al.
Pointed to by: 2nd entry in formal parameter list to BLSQEXTI
Serialization: None
Function: Map the input parameter list for BLSQEXTI. Retain information during the period that common services are available.

BLSQEXTP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXTP	, BLSQEXTI parms
0	(0)	SIGNED	4	(0)	...
0	(0)	BITSTRING	1	EXTPFUNC	Function code
		1...		EXTPINIT	"BIT0" Initialize pointers
		.1..		EXTPDEL	"BIT1" Delete services
1	(1)	BITSTRING	1	EXTPSERV	Service indicators
		1...		EXTPSFMT	"BIT0" AMDPRFMT,BLSQCFMT and BLSQIFMT
2	(2)	BITSTRING	2		reserved
4	(4)	ADDRESS	4	EXTPRETN	-> Returned load list

BLSQFXL Information

BLSQFXL Programming Interface Information

Programming Interface Information

BLSQFXL

End of Programming Interface Information

BLSQFXL Heading Information • BLSQFXL Map

BLSQFXL Heading Information

Common Name: Format Exit List
Macro ID: BLSQFXL
DSECT Name: FXL
Owning Component: (SC132) - IPCS
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 through 127, or 251
 key: 8
 Residency: Pageable storage that may both be read and written by key 8 application programs.
Size: 204 bytes
Created by: BLSQFORM
Pointed to by: N/A
Serialization: N/A
Function: Map the format exit list of line information that is passed by BLSQFORM to routines that gain control during the formatting process, either in line mode, or in response to the CALLRTN flag in a model entry.

BLSQFXL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FXL	, Format exit list map
0	(0)	ADDRESS	4	FXLMHDR	Pointer to Model header
4	(4)	ADDRESS	4	FXLMENT	Pointer to Model entry
8	(8)	SIGNED	1	FXLLPOS	Exit label position
9	(9)	SIGNED	1	FXLDPOS	Exit data position
10	(A)	BITSTRING	2	FXLDLEV	Exit list level = 0001
12	(C)	ADDRESS	4	FXLDPTR	Data pointer
16	(10)	SIGNED	2	FXLLNO	Line number
18	(12)	SIGNED	1	FXLNLPOS	Next buffer label position
19	(13)	SIGNED	1	FXLNDPOS	Next buffer data position
20	(14)	SIGNED	2	FXLENDX	Model entry index
22	(16)	SIGNED	1	FXLITMC	Item count
23	(17)	BITSTRING	1	FXLCTF	Control flags
		1...		FXLQUIT	"BIT0" Quit processing
		.1..		FXLLAST	"BIT1" Last call for cleanup
24	(18)	SIGNED	2	FXLCOLD	Column depth
26	(1A)	SIGNED	2	FXLENTNM	Array entry number
28	(1C)	BITSTRING	4	FXLLINE (40)	Line information array def
28	(1C)	SIGNED	1	FXLILBP	Item label position
29	(1D)	SIGNED	1	FXLIDTP	Item data position
30	(1E)	SIGNED	2	FXLIDTL	Item data length
32	(20)	BITSTRING	1	FXLIFLG	Item flags
		1...		FXLCHAR	"BIT0" Character field
		.1..		FXLHEX	"BIT1" Hex field
		..1.		FXLSHDR	"BIT2" Subheader field
		.... 1...		FXLBYP	"BIT4" Bypass this entry

BLSQFXL Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
FXL	0	
FXLBYP	20	8
FXLCHAR	20	80
FXLCOLD	18	0
FXLCTF	17	0
FXLDLEV	A	1
FXLDPOS	9	0
FXLDPTR	C	
FXLENDX	14	0
FXLENTNM	1A	0
FXLHEX	20	40
FXLIDTL	1E	0
FXLIDTP	1D	0
FXLIFLG	20	0
FXLILBP	1C	0
FXLITMC	16	0
FLLAST	17	40
FLLINE	1C	
FLLNO	10	0
FLLPOS	8	0
FXLMENT	4	
FXLMHDR	0	
FXLNDPOS	13	0
FXLNLPOS	12	0
FXLQUIT	17	80
FXLSHDR	20	20

BLSQNTKP Information

BLSQNTKP Programming Interface information

Programming Interface information

BLSQNTKP

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

- NTKPALEV
- NTKPOUT
- NTKPRBAD
- NTKPTLEV
- NTKPLCODE
- NTKPOUTL
- NTKPSLEV
- NTKP999

End of Programming Interface information

BLSQNTKP Heading Information • BLSQNTKP Map

BLSQNTKP Heading Information

Common Name: Name/Token Service Parameter List
Macro ID: BLSQNTKP
DSECT Name: Caller supplied
Owning Component: IPCS (SC132)
Eye-Catcher ID: NTKP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: N/A
 Virtual Storage: Yes
 Auxiliary Storage: N/A
 Subpool: 0
 Key: 8
 Data Space: no
 Residency: Either above or below
Size: 132 bytes
Created by: Caller
Pointed to by: Parameter list
Serialization: N/A
Function: BLSQNTKP contains the mapping of the parameters used for communication between IPCS exits and the Name/Token service exit.

BLSQNTKP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NTKP	, IPCS name service parameter list
0	(0)	CHARACTER	1	NTKP000 (0)	Begin BLSQNTKP
0	(0)	CHARACTER	6	NTKPID (0)	Name/Token service parameter identifier
0	(0)	CHARACTER	4	NTKPIDC	NTKP acronym
4	(4)	CHARACTER	1	NTKPIDL	NTKP level indicator
5	(5)	CHARACTER	1		Reserved
6	(6)	SIGNED	2	NTKPLCODE	Level code
8	(8)	CHARACTER	8	NTKPMODN	The name of the module requesting the service
16	(10)	CHARACTER	16	NTKPNAME	The input NAME to be translated
32	(20)	ADDRESS	4	NTKPFCBP	The TCB the input NAME is associated with
36	(24)	BITSTRING	2	NTKPASID	The ASID the input NAME is associated with
38	(26)	BITSTRING	2	NTKPPFLG (0)	Processing flags
38	(26)	BITSTRING	1	NTKPPFL1	First byte of flags (input)
		1... ..		NTKPFNOT	"X'80" No output requested Set by caller, not housekept
39	(27)	BITSTRING	1	NTKPPFL2	Second byte of flags (output)
		1... ..		NTKPNOTF	"X'80" Requested Name/Token not found
		.1.		NTKPAUTH	"X'40" The Name/Token element creator was authorized
		.1.		NTKPPRST	"X'20" The Name/Token element was marked persistent
		...1		NTKPMSTG	"X'10" Missing storage
		.... 1...		NTKPFLERR	"X'08" Logical error in data
40	(28)	ADDRESS	4	NTKPRBAD	Referenced block address, ASSB/STCB
44	(2C)	BITSTRING	16	NTKPTOKN	The output TOKEN
60	(3C)	SIGNED	4	NTKPOUTL	Length of contents of NTKPOUT field
64	(40)	CHARACTER	40	NTKPOUT	Name/Token service output area
104	(68)	BITSTRING	2	NTKPCASID	The ASID the input NAME is associated with, for system level requests
106	(6A)	BITSTRING	26	NTKPRSVD	Reserved
132	(84)	CHARACTER	1	NTKP999 (0)	End BLSQNTKP
132	(84)	X'1'	0	NTKPTLEV	"1,C'H',2" Task level
132	(84)	X'2'	0	NTKPALEV	"2,C'H',2" Address space level
132	(84)	X'3'	0	NTKPSLEV	"3,C'H',2" System level

BLSQNTKP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
NTKP	0	
NTKPALEV	84	2
NTKPASID	24	0
NTKPAUTH	27	40
NTKPCASID	68	0
NTKPFLEERR	27	8
NTKPFNOT	26	80
NTKPID	0	
NTKPIDC	0	D5E3D2D7
NTKPIDL	4	F1
NTKPLCODE	6	0
NTKPMODN	8	40404040
NTKPMSTG	27	10
NTKPNAME	10	40404040
NTKPNOTF	27	80
NTKPOUT	40	40404040
NTKPOUTL	3C	0
NTKPPFLG	26	
NTKPPFL1	26	0
NTKPPFL2	27	0
NTKPPRST	27	20
NTKPRBAD	28	
NTKPRSVD	6A	0
NTKPSLEV	84	3
NTKPTCBP	20	
NTKPTLEV	84	1
NTKPTOKN	2C	0
NTKP000	0	
NTKP999	84	

BLSRDATC Information

BLSRDATC Programming Interface information

_____ Programming Interface information _____

BLSRDATC

_____ End of Programming Interface information _____

BLSRDATC Heading Information • BLSRDATC Map

BLSRDATC Heading Information

Common Name: IPCS attributes
Macro ID: BLSRDATC
DSECT Name: DATC
Owning Component: IPCS (SC132)
Eye-Catcher ID: none
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 60 bytes
 ABITS=64: 76 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a block of storage in a dump or trace data set or a reconstruction of part of a dumped system.
Serialization: None
Function: Define the structure of the BLSRDATC data area. This is the structure in which IPCS stores the description of the extent, data type, ... of an area in a dump.

BLSRDATC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DA31	, IPCS attribute descriptor
0	(0)	CHARACTER	1	DA3100 (0)	Begin BLSRDATC #MD03007
0	(0)	ADDRESS	4	DA31OF	Offset in bytes
4	(4)	ADDRESS	4	DA31LE	Length in bytes
8	(8)	SIGNED	1	DA31OB	
9	(9)	SIGNED	1	DA31LB	
10	(A)	SIGNED	2	(0)	Align structure on boundary
10	(A)	CHARACTER	34	DA31T (0)	IPCS data type descriptor
10	(A)	CHARACTER	1	DA31T0 (0)	Begin BLSRDATT #MD04356
10	(A)	CHARACTER	1	DA31TY (0)	Data type code
10	(A)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

10	(A)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
10	(A)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
10	(A)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
10	(A)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
10	(A)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
10	(A)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
10	(A)	X'D3'	0	ZZZDTYL	"C'L',1,C'C'" Module @D1A"
10	(A)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
10	(A)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
10	(A)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
10	(A)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
10	(A)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
11	(B)	BITSTRING	1		
12	(C)	CHARACTER	31	DA31TD	Data name
43	(2B)	CHARACTER	1	DA31TE	reserved

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
44	(2C)	CHARACTER	1	DA31T9 (0)	End BLSRDATT #MD04356
44	(2C)	SIGNED	4	DA31IM	Array entry count
48	(30)	SIGNED	4	DA31IL	Subscript of initial array entry
52	(34)	BITSTRING	4	DA31F	Flags
		1...		DA31FA	"BIT0" Array
56	(38)	BITSTRING	4		
60	(3C)	CHARACTER	1	DA3199 (0)	End BLSRDATC #MD03007

BLSRDATC Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
DA31	0	
DA31F	34	0
DA31FA	34	80
DA31IL	30	0
DA31IM	2C	0
DA31LB	9	0
DA31LE	4	
DA31OB	8	0
DA31OF	0	
DA31T	A	
DA31TD	C	40404040
DA31TE	2B	40
DA31TY	A	
DA31T0	A	
DA31T9	2C	
DA3100	0	
DA3199	3C	
ZZZDTYA	A	C1
ZZZDTYB	A	C2
ZZZDTYC	A	C3
ZZZDTYE	A	C5
ZZZDTYF	A	C6
ZZZDTYI	A	C9
ZZZDTYL	A	D3
ZZZDTYM	A	D4
ZZZDTYP	A	D7
ZZZDTYU	A	E4
ZZZDTYY	A	E8
ZZZDTYZ	A	E9

BLSRDATS Information

BLSRDATS Programming Interface information

_____ Programming Interface information _____

BLSRDATS

_____ End of Programming Interface information _____

BLSRDATS Heading Information • BLSRDATS Map

BLSRDATS Heading Information

Common Name: IPCS address space descriptor
Macro ID: BLSRDATS
DSECT Name: Specified by the BLSRDATS macro-invocation
Owning Component: IPCS (SC132)
Eye-Catcher ID: none
Storage Attributes: Main Storage: NO
 Virtual Storage: YES
 Auxiliary Storage: YES
 Subpool: 0-127, 251, 252
 Key: 0 (not fetch protected), 8
 Data Space: NO
 Residency: LOC(ANY)
Size: 16 bytes
Created by: IPCS services or their callers
Pointed to by: N/A
Serialization: N/A
Function: Define the structure of the BLSRDATS data area.
 This is the structure in which IPCS stored address space identification data for dumped storage.

BLSRDATS 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	DATS	, IPCS address space descriptor
0	(0)	CHARACTER	1	DATS0 (0)	Begin BLSRDATS #MD03009
0	(0)	CHARACTER	2	DATST (0)	Address space type code
0	(0)	ADDRESS	2		Address space type code
0	(0)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
0	(0)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
0	(0)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
0	(0)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
0	(0)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
0	(0)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
0	(0)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
0	(0)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
0	(0)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
0	(0)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
0	(0)	X'C840'	0	ZZZASTH	"C'H" HEADER
0	(0)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
0	(0)	X'4040'	0	ZZZASTNO	"C'" No address space type code
0	(0)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
0	(0)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
0	(0)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
0	(0)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
0	(0)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
2	(2)	BITSTRING	2	DATSH	Reserved
4	(4)	SIGNED	4	DATS1 (0)	Integer 1
4	(4)	SIGNED	4		Integer 1
8	(8)	CHARACTER	8	DATSC (0)	Second qualifier
8	(8)	SIGNED	4	DATS2 (0)	Integer 2
8	(8)	SIGNED	4		Integer 2
12	(C)	BITSTRING	4	DATS3	Reserved
16	(10)	CHARACTER	1	DATS9 (0)	End BLSRDATS #MD03009

BLSRDATS Cross Reference

Name	Hex Offset	Hex Value
DATS	0	
DATSC	8	
DATSH	2	0
DATST	0	
DATS0	0	
DATS1	4	
DATS2	8	
DATS3	C	0
DATS9	10	
ZZZASTA	0	C140
ZZZASTBL	0	C2D3
ZZZASTBS	0	C2E2
ZZZASTBT	0	C2E3
ZZZASTC	0	C340
ZZZASTCE	0	C3C5
ZZZASTCR	0	C3D9
ZZZASTCT	0	C3E3
ZZZASTCV	0	C3E5
ZZZASTDS	0	C4E2
ZZZASTH	0	C840
ZZZASTLI	0	D3C9
ZZZASTNO	0	4040
ZZZASTSB	0	E2C2
ZZZASTSC	0	E2C3
ZZZASTSD	0	E2C4
ZZZASTSS	0	E2E2
ZZZASTSV	0	E2E5

BLSRDATT Information

BLSRDATT Programming Interface information

Programming Interface information

BLSRDATT

End of Programming Interface information

BLSRDATT Heading Information • BLSRDATT Cross Reference

BLSRDATT Heading Information

Common Name: IPCS data tupe
Macro ID: BLSRDATT
DSECT Name: DATT
Owning Component: IPCS (SC132)
Eye-Catcher ID: none
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: 34 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe the type of data residing in a block of storage.
Serialization: None
Function: Describe the structure of the BLSRDATT data area.
 This is the structure in which IPCS stores a data type for data in a dump.

BLSRDATT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	STRUCTURE	0	DATT	, IPCS data type descriptor
0	(0)	CHARACTER	1	DATT0 (0)	Begin BLSRDATT #MD04356
0	(0)	CHARACTER	1	DATTY (0)	Data type code
0	(0)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

0	(0)	X'C1'	0	ZZZDTYA	"C'A',1,C'C" Pointer
0	(0)	X'C2'	0	ZZZDTYB	"C'B',1,C'C" Bit
0	(0)	X'C3'	0	ZZZDTYC	"C'C',1,C'C" Character
0	(0)	X'C5'	0	ZZZDTYE	"C'E',1,C'C" Float
0	(0)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
0	(0)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
0	(0)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
0	(0)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
0	(0)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
0	(0)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
0	(0)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
0	(0)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
1	(1)	BITSTRING	1		
2	(2)	CHARACTER	31	DATTD	Data name
33	(21)	CHARACTER	1	DATTE	reserved
34	(22)	CHARACTER	1	DATT9 (0)	End BLSRDATT #MD04356

BLSRDATT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DATT	0		ZZZDTYU	0	E4
DATTD	2	40404040	ZZZDTYY	0	E8
DATTE	21	40	ZZZDTYZ	0	E9
DATTY	0				
DATT0	0				
DATT9	22				
ZZZDTYA	0	C1			
ZZZDTYB	0	C2			
ZZZDTYC	0	C3			
ZZZDTYE	0	C5			
ZZZDTYF	0	C6			
ZZZDTYI	0	C9			
ZZZDTYL	0	D3			
ZZZDTYM	0	D4			
ZZZDTYP	0	D7			

BLSRDA64 Information

BLSRDA64 Programming Interface information

Programming Interface information

BLSRDA64

End of Programming Interface information

BLSRDA64 Heading Information • BLSRDA64 Map

BLSRDA64 Heading Information

Common Name: IPCS attributes
Macro ID: BLSRDATC
DSECT Name: DATC
Owning Component: IPCS (SC132)
Eye-Catcher ID: none
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 60 bytes
 ABITS=64: 76 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a block of storage in a dump or trace data set or a reconstruction of part of a dumped system.
Serialization: None
Function: Define the structure of the BLSRDATC data area. This is the structure in which IPCS stores the description of the extent, data type, ... of an area in a dump.

BLSRDA64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DA64	, IPCS attribute descriptor
0	(0)	CHARACTER	1	DA6400 (0)	Begin BLSRDATC #MD03007
0	(0)	SIGNED	8	DA64OF (0)	Offset in bytes
0	(0)	ADDRESS	8		Offset in bytes
8	(8)	ADDRESS	8	DA64LE	Length in bytes
16	(10)	SIGNED	1	DA64OB	
17	(11)	SIGNED	1	DA64LB	
18	(12)	SIGNED	2	(0)	Align structure on boundary
18	(12)	CHARACTER	34	DA64T (0)	IPCS data type descriptor
18	(12)	CHARACTER	1	DA64T0 (0)	Begin BLSRDATT #MD04356
18	(12)	CHARACTER	1	DA64TY (0)	Data type code
18	(12)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

18	(12)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
18	(12)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
18	(12)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
18	(12)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
18	(12)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
18	(12)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
18	(12)	X'D3'	0	ZZZDTYL	"C'L',1,C'C'" Module @D1A"
18	(12)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
18	(12)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
18	(12)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
18	(12)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
18	(12)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
19	(13)	BITSTRING	1		
20	(14)	CHARACTER	31	DA64TD	Data name
51	(33)	CHARACTER	1	DA64TE	reserved
52	(34)	CHARACTER	1	DA64T9 (0)	End BLSRDATT #MD04356
52	(34)	BITSTRING	8	DA64IM	Array entry count
60	(3C)	BITSTRING	8	DA64IL	Subscript of initial array entry
68	(44)	BITSTRING	4	DA64F	Flags
		1...		DA64FA	"BIT0" Array
72	(48)	BITSTRING	4		
76	(4C)	CHARACTER	1	DA6499 (0)	End BLSRDATC #MD03007

BLSRDA64 Cross Reference

Name	Hex Offset	Hex Value
DA64	0	
DA64F	44	0
DA64FA	44	80
DA64IL	3C	0
DA64IM	34	0
DA64LB	11	0
DA64LE	8	
DA64OB	10	0
DA64OF	0	
DA64T	12	
DA64TD	14	40404040
DA64TE	33	40
DA64TY	12	
DA64T0	12	
DA64T9	34	
DA6400	0	
DA6499	4C	
ZZZDTYA	12	C1
ZZZDTYB	12	C2
ZZZDTYC	12	C3
ZZZDTYE	12	C5
ZZZDTYF	12	C6
ZZZDTYI	12	C9
ZZZDTYL	12	D3
ZZZDTYM	12	D4
ZZZDTYP	12	D7
ZZZDTYU	12	E4
ZZZDTYY	12	E8
ZZZDTYZ	12	E9

BLSRDRPX Information

BLSRDRPX Programming Interface information

Programming Interface information

BLSRDRPX

End of Programming Interface information

BLSRDRPX Heading Information • BLSRDRPX Map

BLSRDRPX Heading Information

Common Name: Unformatted dump record prefix
Macro ID: BLSRDRPX
DSECT Name: DRPX or any name used as macro label
Owning Component: IPCS (SC132)
Eye-Catcher ID: DR
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: N/A
 Data Space: N/A
 Residency: N/A
Size: 64 bytes
Created by: Dumping services
Pointed to by: N/A
Serialization: None
Function: Maps the first 64 bytes of every record in an unformatted stand alone dump or virtual dump.

BLSRDRPX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	X'40'	0	DR31SIZ	"64" Length of dump record prefix

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DR31	, Dump prefix

Comment

 Dump record prefix #MD07340

 End of Comment

0	(0)	CHARACTER	3	DR31ID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	DR31IDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	DR31IDCV	"C'DR',2,C'C" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	DR31IDV	Dump record prefix version
2	(2)	X'F1'	0	DR31IDV31	"C'1',1,C'C" 31-bit support levels
2	(2)	X'F2'	0	DR31IDV64	"C'2',1,C'C" 64-bit support levels
3	(3)	ADDRESS	1	DR31LEN	Dump record prefix length

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

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRDRPX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
(3)					A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	DR31AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	DR31AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	DR31AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C'" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
6	(6)	BITSTRING	2	DR31ASH	Reserved
8	(8)	SIGNED	4	DR31AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	DR31ASC (0)	Second qualifier
12	(C)	SIGNED	4	DR31AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	DR31AS3	Reserved
20	(14)	CHARACTER	1	DR31AS9 (0)	End BLSRDATS #MD03009
20	(14)	ADDRESS	4	DR31LAD	Logical address
24	(18)	SIGNED	4	DR31SEQ	Sequence number used to prevent dumps from merging
28	(1C)	SIGNED	4	(2)	Reserved for data common to all types of dump records
36	(24)	BITSTRING	28	DR31TYPD	Record type specific data
64	(40)	CHARACTER	1	DR31999 (0)	End BLSRDRPX #MD07340

Comment					

Store Status Record (type C) Data					

End of Comment					
36	(24)	BITSTRING	1	DR31FLAGS	Store status flags
		1... ..		DR31SSINV	"BIT0" Store status may be invalid

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1.		DR31SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		.1.		DR31GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		DR31BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		DR31BFPV	"BIT4" FPRs valid in extended status
		.... .1..		DR31BFPH	"BIT5" Not used
		.... .1..		DR31Z1V	"BIT6"
		.... ...1		DR31ZARCH	"BIT7" Status in z/Architecture format
		.... ...1		DR31ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved

Comment

 Dump Header Record (type H) Data

End of Comment

36	(24)	BITSTRING	1	DR31DUMPT	Dump type
36	(24)	X'1'	0	DR31SADP	"1" Stand alone dump
36	(24)	X'2'	0	DR31SVCDP	"2" SVC dump
36	(24)	X'3'	0	DR31SMDP	"3" SYSDUMP
36	(24)	X'4'	0	DR31SLPDP	"4" SLIP dump
36	(24)	X'5'	0	DR31BLSDP	"5" IPCS active
37	(25)	BITSTRING	27		Reserved

Comment

 Storage Record (types A, CV, DS, SS, SV) Data

End of Comment

36	(24)	BITSTRING	1	DR31KEY	Storage key for page
		1111 1111		DR31KEYQ	"X'FF" Storage key not known
		1111		DR31KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		DR31KEYF	"BIT4" Fetch-protection indicator
		.... .1..		DR31KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		DR31KEYR	"BIT5" Page referenced
		.... .1..		DR31KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	DR31TYP5	Record type specific data

Comment

 Data Space Storage Record (type DS, SS) Data.

End of Comment

42	(2A)	SIGNED	2		Reserved
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Comment

The following supplements the ASID and Data Space information.

End of Comment

44	(2C)	ADDRESS	4	DR31ASTE	Absolute address of ASTE
48	(30)	BITSTRING	8	DR31STOKN	STOKEN
56	(38)	BITSTRING	8		Reserved

Comment

 Storage Record (types CV, SV and SC) data. Note: The only
 COMPDATA record for which this information is regarded as present
 is COMPDATA(IARHVSHR) at this time.

End of Comment

42	(2A)	BITSTRING	1	DR31STYP	System area type
		1...		DR31COMM	"BIT0" Common area

BLSRDRPX Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		DR31AAF	"BIT1" Absolute address given
		..1.		DR31SHARE	"BIT2" Shared
43	(2B)	BITSTRING	1		Reserved
44	(2C)	ADDRESS	4	DR31AAP	Absolute address
48	(30)	BITSTRING	16		Reserved

BLSRDRPX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	ZZZASTBS	4	C2E2
BIT1	0	40	ZZZASTBT	4	C2E3
BIT2	0	20	ZZZASTC	4	C340
BIT3	0	10	ZZZASTCE	4	C3C5
BIT4	0	8	ZZZASTCR	4	C3D9
BIT5	0	4	ZZZASTCT	4	C3E3
BIT6	0	2	ZZZASTCV	4	C3E5
BIT7	0	1	ZZZASTDS	4	C4E2
DR31	0		ZZZASTH	4	C840
DR31AAF	2A	40	ZZZASTLI	4	D3C9
DR31AAP	2C		ZZZASTNO	4	4040
DR31AS	4		ZZZASTSB	4	E2C2
DR31ASC	C		ZZZASTSC	4	E2C3
DR31ASH	6	0	ZZZASTSD	4	E2C4
DR31AST	4		ZZZASTSS	4	E2E2
DR31ASTE	2C		ZZZASTSV	4	E2E5
DR31AS0	4				
DR31AS1	8				
DR31AS2	C				
DR31AS3	10	0			
DR31AS9	14				
DR31BFP	24	10			
DR31BFPH	24	4			
DR31BFPV	24	8			
DR31BLSDP	24	5			
DR31COMM	2A	80			
DR31DUMPT	24				
DR31ESAME	24	1			
DR31FLAGS	24				
DR31GPRVL	24	20			
DR31ID	0				
DR31IDC	0	C4D9			
DR31IDCV	0	C4D9			
DR31IDV	2	F1			
DR31IDV31	2	F1			
DR31IDV64	2	F2			
DR31KEY	24				
DR31KEYA	24	F0			
DR31KEYC	24	2			
DR31KEYF	24	8			
DR31KEYQ	24	FF			
DR31KEYR	24	4			
DR31KEYU	24	6			
DR31LAD	14				
DR31LEN	3				
DR31SADP	24	1			
DR31SEQ	18	0			
DR31SHARE	2A	20			
DR31SIGPF	24	40			
DR31SIZ	0	40			
DR31SLPDP	24	4			
DR31SMDP	24	3			
DR31SSINV	24	80			
DR31STOKN	30				
DR31STYP	2A				
DR31SVCDP	24	2			
DR31TYPD	24	0			
DR31TYPSP	2A				
DR31ZARCH	24	1			
DR31Z1V	24	2			
DR31999	40				
ZZZASTA	4	C140			
ZZZASTBL	4	C2D3			

BLSRDR64 Information

BLSRDR64 Programming Interface information

Programming Interface information

BLSRDR64

End of Programming Interface information

BLSRDR64 Heading Information • BLSRDR64 Map

BLSRDR64 Heading Information

Common Name: Unformatted dump record prefix
Macro ID: BLSRDRPX
DSECT Name: DRPX or any name used as macro label
Owning Component: IPCS (SC132)
Eye-Catcher ID: DR
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: N/A
 Data Space: N/A
 Residency: N/A
Size: 64 bytes
Created by: Dumping services
Pointed to by: N/A
Serialization: None
Function: Maps the first 64 bytes of every record in an unformatted stand alone dump or virtual dump.

BLSRDR64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DR64	, Dump prefix
0	(0)	CHARACTER	3	DR64ID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	DR64IDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	DR64IDCV	"C'DR',2,C'C" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	DR64IDV	Dump record prefix version
2	(2)	X'F1'	0	DR64IDV31	"C'1',1,C'C" 31-bit support levels
2	(2)	X'F2'	0	DR64IDV64	"C'2',1,C'C" 64-bit support levels
3	(3)	ADDRESS	1	DR64LEN	Dump record prefix length

Comment

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
- Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					<ul style="list-style-type: none"> - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
(2)					<p>A binary integer whose interpretation depends on the preceding code:</p> <ul style="list-style-type: none"> - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
(3)					<p>A doubleword whose interpretation depends on the preceding code:</p> <ul style="list-style-type: none"> - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	DR64AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	DR64AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	DR64AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C'" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
6	(6)	BITSTRING	2	DR64ASH	Reserved
8	(8)	SIGNED	4	DR64AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	DR64ASC (0)	Second qualifier
12	(C)	SIGNED	4	DR64AS2 (0)	Integer 2

BLSRDR64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	DR64AS3	Reserved
20	(14)	CHARACTER	1	DR64AS9 (0)	End BLSRDATS #MD03009
20	(14)	BITSTRING	8	DR64LAD	Logical address
28	(1C)	SIGNED	4	DR64SEQ	Sequence number used to prevent dumps from merging
32	(20)	ADDRESS	1	DR64PHS	Archaic - phase
33	(21)	BITSTRING	2		Reserved for data common to all types of dump records
35	(23)	ADDRESS	1	DR64PHASE	Phase of dumping program
35	(23)	X'0'	0	DR64PHASE0	"0" No phase recorded
35	(23)	X'1'	0	DR64PHASESADMPA	"1" SADMP early real data collection
35	(23)	X'2'	0	DR64PHASESADMPB	"2" SADMP virtual data collection
35	(23)	X'3'	0	DR64PHASESADMPA	"3" SADMP added real data collection
35	(23)	X'4'	0	DR64PHASESADMPPT	"4" SADMP - PFT
35	(23)	X'5'	0	DR64PHASESADMPMINI	"5" SADMP - Minimal ASID real
35	(23)	X'6'	0	DR64PHASESADMPSUMI	"6" SADMP - Summary ASID real
35	(23)	X'7'	0	DR64PHASESADMPIN	"7" SADMP - Swapped-in ASID real
35	(23)	X'8'	0	DR64PHASESADMPUSED	"8" SADMP - In-use real
35	(23)	X'9'	0	DR64PHASESADMPMINO	"9" SADMP - Minimal ASID virtual
35	(23)	X'A'	0	DR64PHASESADMPSUMO	"10" SADMP - Summary ASID virtual
35	(23)	X'B'	0	DR64PHASESADMPAGED	"11" SADMP - Swapped-in ASID virtual
35	(23)	X'C'	0	DR64PHASESADMPSWAP	"12" SADMP - Swapped-out ASID virtual
35	(23)	X'D'	0	DR64PHASESADMPRSRV	"13" SADMP - Available real
36	(24)	BITSTRING	28	DR64TYPD	Record type specific data
64	(40)	CHARACTER	1	DR64999 (0)	End BLSRDRPX #MD07340

Comment

Store Status Record (type C) Data

End of Comment

36	(24)	BITSTRING	1	DR64FLAGS	Store status flags
		1... ..		DR64SSINV	"BIT0" Store status may be invalid
		.1... ..		DR64SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		DR64GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		DR64BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		DR64BFPV	"BIT4" FPRs valid in extended status
		.... .1..		DR64BFPH	"BIT5" Not used
		.... ..1.		DR64Z1V	"BIT6"
		.... ...1		DR64ZARCH	"BIT7" Status in z/Architecture format
		.... ...1		DR64ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved

Comment

Dump Header Record (type H) Data

End of Comment

36	(24)	BITSTRING	1	DR64DUMPT	Dump type
36	(24)	X'1'	0	DR64SADP	"1" Stand alone dump
36	(24)	X'2'	0	DR64SVCDP	"2" SVC dump
36	(24)	X'3'	0	DR64SMDP	"3" SYSMDUMP
36	(24)	X'4'	0	DR64SLPDP	"4" SLIP dump
36	(24)	X'5'	0	DR64BLSDP	"5" IPCS active
37	(25)	BITSTRING	27		Reserved

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

Storage Record (types A, CV, DS, SS, SV) Data					

End of Comment					
36	(24)	BITSTRING	1	DR64KEY	Storage key for page
		1111 1111		DR64KEYQ	"X'FF" Storage key not known
		1111		DR64KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		DR64KEYF	"BIT4" Fetch-protection indicator
		.... .11.		DR64KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		DR64KEYR	"BIT5" Page referenced
		.... ..1.		DR64KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	DR64TYP	Record type specific data
Comment					

Data Space Storage Record (type DS, SS) Data.					

End of Comment					
42	(2A)	SIGNED	2		Reserved
Comment					

End of Comment					
44	(2C)	BITSTRING	20		Reserved
Comment					

Storage Record (types CV, SV and SC) data. Note: The only COMPDATA record for which this information is regarded as present is COMPDATA(IARHVSHR) at this time.					

End of Comment					
42	(2A)	BITSTRING	1	DR64STYP	System area type
		1...		DR64COMM	"BIT0" Common area
		.1..		DR64AAF	"BIT1" Absolute address given
		.1.		DR64SHARE	"BIT2" Shared
43	(2B)	BITSTRING	1		Reserved
44	(2C)	BITSTRING	8	DR64AAP	Absolute address
52	(34)	BITSTRING	12		Reserved

BLSRDR64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DR64	0		DR64FLAGS	24	
DR64AAF	2A	40	DR64GPRVL	24	20
DR64AAP	2C		DR64ID	0	
DR64AS	4		DR64IDC	0	C4D9
DR64ASC	C		DR64IDCV	0	C4D9
DR64ASH	6	0	DR64IDV	2	F2
DR64AST	4		DR64IDV31	2	F1
DR64AS0	4		DR64IDV64	2	F2
DR64AS1	8		DR64KEY	24	
DR64AS2	C		DR64KEYA	24	F0
DR64AS3	10	0	DR64KEYC	24	2
DR64AS9	14		DR64KEYF	24	8
DR64BFP	24	10	DR64KEYQ	24	FF
DR64BFPH	24	4	DR64KEYR	24	4
DR64BFPV	24	8	DR64KEYU	24	6
DR64BLSDP	24	5	DR64LAD	14	0
DR64COMM	2A	80	DR64LEN	3	
DR64DUMPT	24		DR64PHASE	23	
DR64ESAME	24	1	DR64PHASESADMPA		

BLSRDR64 Cross Reference

Name	Hex Offset	Hex Value
	23	1
DR64PHASESADMPB		
	23	2
DR64PHASESADMPC		
	23	3
DR64PHASESADMPIN		
	23	7
DR64PHASESADMPMINI		
	23	5
DR64PHASESADMPMINO		
	23	9
DR64PHASESADMPPAGED		
	23	B
DR64PHASESADMPPFT		
	23	4
DR64PHASESADMPPSRV		
	23	D
DR64PHASESADMPSUMI		
	23	6
DR64PHASESADMPSUMO		
	23	A
DR64PHASESADMPSWAP		
	23	C
DR64PHASESADMPUSED		
	23	8
DR64PHASE0	23	0
DR64PHS	20	
DR64SADP	24	1
DR64SEQ	1C	0
DR64SHARE	2A	20
DR64SIGPF	24	40
DR64SLPDP	24	4
DR64SMDP	24	3
DR64SSINV	24	80
DR64STYP	2A	
DR64SVCDP	24	2
DR64TYPD	24	0
DR64TYPS	2A	
DR64ZARCH	24	1
DR64Z1V	24	2
DR64999	40	
ZZZASTA	4	C140
ZZZASTBL	4	C2D3
ZZZASTBS	4	C2E2
ZZZASTBT	4	C2E3
ZZZASTC	4	C340
ZZZASTCE	4	C3C5
ZZZASTCR	4	C3D9
ZZZASTCT	4	C3E3
ZZZASTCV	4	C3E5
ZZZASTDS	4	C4E2
ZZZASTH	4	C840
ZZZASTLI	4	D3C9
ZZZASTNO	4	4040
ZZZASTSB	4	E2C2
ZZZASTSC	4	E2C3
ZZZASTSD	4	E2C4
ZZZASTSS	4	E2E2
ZZZASTSV	4	E2E5

BLSRESSY Information

BLSRESSY Programming Interface information

Programming Interface information

BLSRESSY

End of Programming Interface information

BLSRESSY Heading Information • BLSRESSY Map

BLSRESSY Heading Information

Common Name: IPCS Symbol Table Record
Macro ID: BLSRESSY
DSECT Name: ESSY
Owning Component: IPCS (SC132)
Eye-Catcher ID: ES
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 182 bytes + a remark containing 0-512 bytes of text
 ABITS=64: 210 bytes + a remark containing 0-512 bytes of text
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a block of storage in a dump or trace data set or a reconstruction of part of a dumped system.
Serialization: None
Function: Each dump directory equate symbol record records the association between a symbol, e.g., CVT, ASCB00001, ..., and the location and properties of a block of storage. IPCS modules also use this structure as a parameter to communicate the location of a block of storage.

BLSRESSY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ES31	, IPCS Equate Symbol Record
0	(0)	CHARACTER	1	ES31000 (0)	Begin BLSRESSY #MD07340
0	(0)	CHARACTER	2	ES31RID	Record type==>ES
2	(2)	BITSTRING	6		
8	(8)	CHARACTER	8		
16	(10)	BITSTRING	8		

Comment

 An Equate Symbol record defines one symbol, associating it with a contiguous block of storage in an address space.

End of Comment

24	(18)	SIGNED	4	ES31RDX	Data set index
28	(1C)	CHARACTER	31	ES31SYM	Equated symbol
59	(3B)	CHARACTER	1	ES31ELK (0)	End of logical key
59	(3B)	X'3B'	0	ES31LKL	"ES31ELK-ES31000" Logical key length
59	(3B)	CHARACTER	1	ES31RST	BLSRESSY subtype - ABITS=31
59	(3B)	X'40'	0	ES31RST31	"C' " BLSRESSY subtype - ABITS=31
59	(3B)	X'F2'	0	ES31RST64	"C'2" BLSRESSY subtype - ABITS=64

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

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRESSY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
referenced data space.					
- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.					
- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.					
- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.					
(3) A doubleword whose interpretation depends on the preceding code:					
- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.					
- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.					
- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.					
- For code SC the doubleword is interpreted as a component identifier.					
- For other codes this doubleword has no meaning and should be set to zero.					

End of Comment					
60	(3C)	SIGNED	4	(0)	Align on word boundary
60	(3C)	CHARACTER	16	ES31AS (0)	IPCS address space descriptor
60	(3C)	CHARACTER	1	ES31AS0 (0)	Begin BLSRDATS #MD03009
60	(3C)	CHARACTER	2	ES31AST (0)	Address space type code
60	(3C)	ADDRESS	2		Address space type code
60	(3C)	X'C140'	0	ZZZASTA	"C'A "" ABSOLUTE
60	(3C)	X'C2D3'	0	ZZZASTBL	"C'BL"" BLOCK
60	(3C)	X'C2E2'	0	ZZZASTBS	"C'BS"" RBA
60	(3C)	X'C2E3'	0	ZZZASTBT	"C'BT"" TTR
60	(3C)	X'C340'	0	ZZZASTC	"C'C "" CPU STATUS
60	(3C)	X'C3C5'	0	ZZZASTCE	"C'CE"" CPU DOMAIN(VECTOR)
60	(3C)	X'C3D9'	0	ZZZASTCR	"C'CR"" CPU REAL
60	(3C)	X'C3E3'	0	ZZZASTCT	"C'CT"" CPU DOMAIN(CPUTRACE)
60	(3C)	X'C3E5'	0	ZZZASTCV	"C'CV"" CPU ASID
60	(3C)	X'C4E2'	0	ZZZASTDS	"C'DS"" ASID DSPNAME
60	(3C)	X'C840'	0	ZZZASTH	"C'H "" HEADER
60	(3C)	X'D3C9'	0	ZZZASTLI	"C'LI"" LITERAL
60	(3C)	X'4040'	0	ZZZASTNO	"C' "" No address space type code
60	(3C)	X'E2C2'	0	ZZZASTSB	"C'SB"" DOMAIN(SDUMPBUFFER)
60	(3C)	X'E2C3'	0	ZZZASTSC	"C'SC"" COMPDATA
60	(3C)	X'E2C4'	0	ZZZASTSD	"C'SD"" DOMAIN(SUMDUMP)
60	(3C)	X'E2E2'	0	ZZZASTSS	"C'SS"" ASID DSPNAME SUMDUMP
60	(3C)	X'E2E5'	0	ZZZASTSV	"C'SV"" ASID SUMDUMP
62	(3E)	BITSTRING	2	ES31ASH	Reserved
64	(40)	SIGNED	4	ES31AS1 (0)	Integer 1
64	(40)	SIGNED	4		Integer 1
68	(44)	CHARACTER	8	ES31ASC (0)	Second qualifier
68	(44)	SIGNED	4	ES31AS2 (0)	Integer 2
68	(44)	SIGNED	4		Integer 2
72	(48)	BITSTRING	4	ES31AS3	Reserved
76	(4C)	CHARACTER	1	ES31AS9 (0)	End BLSRDATS #MD03009
76	(4C)	ADDRESS	4	ES31LAD	Logical address

Comment

 IPCS records the following properties for areas of storage:

- The offset between an addressed byte and the physical origin of this area.
 - The physical length of this area.
 - A data type.
 - An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.
-

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	SIGNED	4	(0)	Align structure on boundary
80	(50)	CHARACTER	60	ES31D (0)	IPCS attribute descriptor
80	(50)	CHARACTER	1	ES31D00 (0)	Begin BLSRDATC #MD03007
80	(50)	ADDRESS	4	ES31DOF	Offset in bytes
84	(54)	ADDRESS	4	ES31DLE	Length in bytes
88	(58)	SIGNED	1	ES31DOB	
89	(59)	SIGNED	1	ES31DLB	
90	(5A)	SIGNED	2	(0)	Align structure on boundary
90	(5A)	CHARACTER	34	ES31DT (0)	IPCS data type descriptor
90	(5A)	CHARACTER	1	ES31DT0 (0)	Begin BLSRDATT #MD04356
90	(5A)	CHARACTER	1	ES31DTY (0)	Data type code
90	(5A)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

Dec	Hex	Type/Value	Len	Name (Dim)	Description
90	(5A)	X'C1'	0	ZZZDTYA	"C'A',1,C'C" Pointer
90	(5A)	X'C2'	0	ZZZDTYB	"C'B',1,C'C" Bit
90	(5A)	X'C3'	0	ZZZDTYC	"C'C',1,C'C" Character
90	(5A)	X'C5'	0	ZZZDTYE	"C'E',1,C'C" Float
90	(5A)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
90	(5A)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
90	(5A)	X'D3'	0	ZZZDTYL	"C'L',1,C'C" Module @D1A"
90	(5A)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
90	(5A)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
90	(5A)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
90	(5A)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
90	(5A)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
91	(5B)	BITSTRING	1		
92	(5C)	CHARACTER	31	ES31DTD	Data name
123	(7B)	CHARACTER	1	ES31DTE	reserved
124	(7C)	CHARACTER	1	ES31DT9 (0)	End BLSRDATT #MD04356
124	(7C)	SIGNED	4	ES31DIM	Array entry count
128	(80)	SIGNED	4	ES31DIL	Subscript of initial array entry
132	(84)	BITSTRING	4	ES31DF	Flags
		1... ..		ES31DFA	"BIT0" Array
136	(88)	BITSTRING	4		
140	(8C)	CHARACTER	1	ES31D99 (0)	End BLSRDATC #MD03007
140	(8C)	ADDRESS	4	ES31MAD	Address of 1st missing byte
144	(90)	BITSTRING	15		
159	(9F)	BITSTRING	1	ES31SRC	Scan result code
160	(A0)	BITSTRING	1	ES31KEY	Storage key, X'FF'=indeterminate

Comment

Flags

Dec	Hex	Type/Value	Len	Name (Dim)	Description
161	(A1)	BITSTRING	3	ES31F (0)	Flags
161	(A1)	BITSTRING	1	ES31FS	Storage flags
		1... ..		ES31FSC	"BIT0" Storage information complete
		.1.		ES31FS2	"BIT1" Multiple storage keys
		..1.		ES31FSM	"BIT2" Not all storage in dump
		...1		ES31FSA	"BIT3" Absolute address, ESSYABS, valid
		.... 1...		ES31FSP	"BIT4" Prefixed storage
		.... .1..		ES31FSR	"BIT5" Reclaimed storage
		.... ..1.		ES31FSX	"BIT6" Multiple records
		.... ...1		ES31FSS	"BIT7" SUMDUMP data
162	(A2)	BITSTRING	1	ES31FC	Control flags
		1...		ES31FCD	"BIT0" Drop not permitted
		.1..		ES31FF9	"BIT1" Scan complete
163	(A3)	BITSTRING	1		
		1...		ES31FCO	"BIT0" Common storage
		.1.		ES31FFP	"BIT1" Fast path access mode
		..1.		ES31FRA	"BIT2" Right-align short line
		...1		ES31FSH	"BIT3" Shared storage
164	(A4)	ADDRESS	4	ES31ABS	Absolute address for this address
168	(A8)	BITSTRING	12		

BLSRESSY Cross Reference

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

Comment					

Remark--LENGTH(0:512) characters					

End of Comment					
180	(B4)	CHARACTER	1	ES31R (0)	Remark data
180	(B4)	SIGNED	2	ES31RL	Length of remark text
180	(B4)	X'0'	0	ES31LTL	"0" Minimum remark text length
180	(B4)	X'200'	0	ES31HTL	"512" Maximum remark text length
182	(B6)	CHARACTER	1	ES31RT (0)	Remark text
694	(2B6)	CHARACTER	1	ES31999 (0)	End BLSRESSY #MD07340
694	(2B6)	X'B6'	0	ES31LRL	"ES31RT-ES31000" Minimum record length
694	(2B6)	X'2B6'	0	ES31HRL	"ES31999-ES31000" Maximum record length

BLSRESSY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	ES31FSX	A1	2
BIT1	0	40	ES31FS2	A1	40
BIT2	0	20	ES31HRL	2B6	2B6
BIT3	0	10	ES31HTL	B4	200
BIT4	0	8	ES31KEY	A0	0
BIT5	0	4	ES31LAD	4C	
BIT6	0	2	ES31LKL	3B	3B
BIT7	0	1	ES31LRL	2B6	B6
ES31	0		ES31LTL	B4	0
ES31ABS	A4		ES31MAD	8C	
ES31AS	3C		ES31R	B4	
ES31ASC	44		ES31RDX	18	0
ES31ASH	3E	0	ES31RID	0	C5E2
ES31AST	3C		ES31RL	B4	0
ES31AS0	3C		ES31RST	3B	40
ES31AS1	40		ES31RST31	3B	40
ES31AS2	44		ES31RST64	3B	F2
ES31AS3	48	0	ES31RT	B6	40404040
ES31AS9	4C		ES31SRC	9F	0
ES31D	50		ES31SYM	1C	40404040
ES31DF	84	0	ES31000	0	
ES31DFA	84	80	ES31999	2B6	
ES31DIL	80	0	ZZZASTA	3C	C140
ES31DIM	7C	0	ZZZASTBL	3C	C2D3
ES31DLB	59	0	ZZZASTBS	3C	C2E2
ES31DLE	54		ZZZASTBT	3C	C2E3
ES31DOB	58	0	ZZZASTC	3C	C340
ES31DOF	50		ZZZASTCE	3C	C3C5
ES31DT	5A		ZZZASTCR	3C	C3D9
ES31DTD	5C	40404040	ZZZASTCT	3C	C3E3
ES31DTE	7B	40	ZZZASTCV	3C	C3E5
ES31DTY	5A		ZZZASTDS	3C	C4E2
ES31DT0	5A		ZZZASTH	3C	C840
ES31DT9	7C		ZZZASTLI	3C	D3C9
ES31D00	50		ZZZASTNO	3C	4040
ES31D99	8C		ZZZASTSB	3C	E2C2
ES31ELK	3B		ZZZASTSC	3C	E2C3
ES31F	A1		ZZZASTSD	3C	E2C4
ES31FC	A2	0	ZZZASTSS	3C	E2E2
ES31FCD	A2	80	ZZZASTSV	3C	E2E5
ES31FCO	A3	80	ZZZDTYA	5A	C1
ES31FFP	A3	40	ZZZDTYB	5A	C2
ES31FF9	A2	40	ZZZDTYC	5A	C3
ES31FRA	A3	20	ZZZDTYE	5A	C5
ES31FS	A1	0	ZZZDTYF	5A	C6
ES31FSA	A1	10	ZZZDTYI	5A	C9
ES31FSC	A1	80	ZZZDTYL	5A	D3
ES31FSH	A3	10	ZZZDTYM	5A	D4
ES31FSM	A1	20	ZZZDTYP	5A	D7
ES31FSP	A1	8	ZZZDTYU	5A	E4
ES31FSR	A1	4	ZZZDTYY	5A	E8
ES31FSS	A1	1	ZZZDTYZ	5A	E9

BLSRES64 Information

BLSRES64 Programming Interface information

Programming Interface information

BLSRES64

End of Programming Interface information

BLSRES64 Heading Information • BLSRES64 Map

BLSRES64 Heading Information

Common Name: IPCS Symbol Table Record
Macro ID: BLSRESSY
DSECT Name: ESSY
Owning Component: IPCS (SC132)
Eye-Catcher ID: ES
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 182 bytes + a remark containing 0-512 bytes of text
 ABITS=64: 210 bytes + a remark containing 0-512 bytes of text
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a block of storage in a dump or trace data set or a reconstruction of part of a dumped system.
Serialization: None
Function: Each dump directory equate symbol record records the association between a symbol, e.g., CVT, ASCB00001, ..., and the location and properties of a block of storage. IPCS modules also use this structure as a parameter to communicate the location of a block of storage.

BLSRES64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ES64	, IPCS Equate Symbol Record
0	(0)	CHARACTER	1	ES64000 (0)	Begin BLSRESSY #MD07340
0	(0)	CHARACTER	2	ES64RID	Record type==>ES
2	(2)	BITSTRING	6		
8	(8)	CHARACTER	8		
16	(10)	BITSTRING	8		

Comment

 An Equate Symbol record defines one symbol, associating it with a contiguous block of storage in an address space.

End of Comment

24	(18)	SIGNED	4	ES64RDX	Data set index
28	(1C)	CHARACTER	31	ES64SYM	Equated symbol
59	(3B)	CHARACTER	1	ES64ELK (0)	End of logical key
59	(3B)	X'3B'	0	ES64LKL	"ES64ELK-ES64000" Logical key length
59	(3B)	CHARACTER	1	ES64RST	BLSRESSY subtype - ABITS=64
59	(3B)	X'40'	0	ES64RST31	"C'" BLSRESSY subtype - ABITS=31
59	(3B)	X'F2'	0	ES64RST64	"C'2'" BLSRESSY subtype - ABITS=64

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

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRES64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
					(3) A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
60	(3C)	SIGNED	4	(0)	Align on word boundary
60	(3C)	CHARACTER	16	ES64AS (0)	IPCS address space descriptor
60	(3C)	CHARACTER	1	ES64AS0 (0)	Begin BLSRDATS #MD03009
60	(3C)	CHARACTER	2	ES64AST (0)	Address space type code
60	(3C)	ADDRESS	2		Address space type code
60	(3C)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
60	(3C)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
60	(3C)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
60	(3C)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
60	(3C)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
60	(3C)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
60	(3C)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
60	(3C)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
60	(3C)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
60	(3C)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
60	(3C)	X'C840'	0	ZZZASTH	"C'H" HEADER
60	(3C)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
60	(3C)	X'4040'	0	ZZZASTNO	"C'" No address space type code
60	(3C)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
60	(3C)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
60	(3C)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
60	(3C)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
60	(3C)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
62	(3E)	BITSTRING	2	ES64ASH	Reserved
64	(40)	SIGNED	4	ES64AS1 (0)	Integer 1
64	(40)	SIGNED	4		Integer 1
68	(44)	CHARACTER	8	ES64ASC (0)	Second qualifier
68	(44)	SIGNED	4	ES64AS2 (0)	Integer 2
68	(44)	SIGNED	4		Integer 2
72	(48)	BITSTRING	4	ES64AS3	Reserved
76	(4C)	CHARACTER	1	ES64AS9 (0)	End BLSRDATS #MD03009
76	(4C)	BITSTRING	8	ES64LAD	Logical address

Comment

 IPCS records the following properties for areas of storage:

- The offset between an addressed byte and the physical origin of this area.
 - The physical length of this area.
 - A data type.
 - An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.
-

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	SIGNED	4	(0)	Align structure on boundary
84	(54)	CHARACTER	76	ES64D (0)	IPCS attribute descriptor
84	(54)	CHARACTER	1	ES64D00 (0)	Begin BLSRDATC #MD03007
84	(54)	SIGNED	8	ES64DOF (0)	Offset in bytes
84	(54)	ADDRESS	8		Offset in bytes
92	(5C)	ADDRESS	8	ES64DLE	Length in bytes
100	(64)	SIGNED	1	ES64DOB	
101	(65)	SIGNED	1	ES64DLB	
102	(66)	SIGNED	2	(0)	Align structure on boundary
102	(66)	CHARACTER	34	ES64DT (0)	IPCS data type descriptor
102	(66)	CHARACTER	1	ES64DT0 (0)	Begin BLSRDATT #MD04356
102	(66)	CHARACTER	1	ES64DTY (0)	Data type code
102	(66)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

102	(66)	X'C1'	0	ZZZDTYA	"C'A',1,C'C" Pointer
102	(66)	X'C2'	0	ZZZDTYB	"C'B',1,C'C" Bit
102	(66)	X'C3'	0	ZZZDTYC	"C'C',1,C'C" Character
102	(66)	X'C5'	0	ZZZDTYE	"C'E',1,C'C" Float
102	(66)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
102	(66)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
102	(66)	X'D3'	0	ZZZDTYL	"C'L',1,C'C" Module @D1A"
102	(66)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
102	(66)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
102	(66)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
102	(66)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
102	(66)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
103	(67)	BITSTRING	1		
104	(68)	CHARACTER	31	ES64DTD	Data name
135	(87)	CHARACTER	1	ES64DTE	reserved
136	(88)	CHARACTER	1	ES64DT9 (0)	End BLSRDATT #MD04356
136	(88)	BITSTRING	8	ES64DIM	Array entry count
144	(90)	BITSTRING	8	ES64DIL	Subscript of initial array entry
152	(98)	BITSTRING	4	ES64DF	Flags
		1...		ES64DFA	"BIT0" Array
156	(9C)	BITSTRING	4		
160	(A0)	CHARACTER	1	ES64D99 (0)	End BLSRDATC #MD03007
160	(A0)	BITSTRING	8	ES64MAD	Address of 1st missing byte
168	(A8)	BITSTRING	15		
183	(B7)	BITSTRING	1	ES64SRC	Scan result code
184	(B8)	BITSTRING	1	ES64KEY	Storage key, X'FF'=indeterminate

Comment

Flags

End of Comment

185	(B9)	BITSTRING	3	ES64F (0)	Flags
185	(B9)	BITSTRING	1	ES64FS	Storage flags
		1...		ES64FSC	"BIT0" Storage information complete
		.1.		ES64FS2	"BIT1" Multiple storage keys
		..1.		ES64FSM	"BIT2" Not all storage in dump
		...1		ES64FSA	"BIT3" Absolute address, ESSYABS, valid
		.... 1..		ES64FSP	"BIT4" Prefixed storage
		.... .1.		ES64FSR	"BIT5" Reclaimed storage
		.... ..1		ES64FSX	"BIT6" Multiple records
		.... ...1		ES64FSS	"BIT7" SUMDUMP data
186	(BA)	BITSTRING	1	ES64FC	Control flags
		1...		ES64FCD	"BIT0" Drop not permitted
		.1.		ES64FF9	"BIT1" Scan complete
187	(BB)	BITSTRING	1		
		1...		ES64FCO	"BIT0" Common storage
		.1.		ES64FFP	"BIT1" Fast path access mode
		..1.		ES64FRA	"BIT2" Right-align short line
		...1		ES64FSH	"BIT3" Shared storage
188	(BC)	BITSTRING	8	ES64ABS	Absolute address for this address
196	(C4)	BITSTRING	12		

BLSRES64 Cross Reference

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

Remark--LENGTH(0:512) characters					

End of Comment					
208	(D0)	CHARACTER	1	ES64R (0)	Remark data
208	(D0)	SIGNED	2	ES64RL	Length of remark text
208	(D0)	X'0'	0	ES64LTL	"0" Minimum remark text length
208	(D0)	X'200'	0	ES64HTL	"512" Maximum remark text length
210	(D2)	CHARACTER	1	ES64RT (0)	Remark text
722	(2D2)	CHARACTER	1	ES64999 (0)	End BLSRESSY #MD07340
722	(2D2)	X'D2'	0	ES64LRL	"ES64RT-ES64000" Minimum record length
722	(2D2)	X'2D2'	0	ES64HRL	"ES64999-ES64000" Maximum record length

BLSRES64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ES64	0		ES64LTL	D0	0
ES64ABS	BC	0	ES64MAD	A0	0
ES64AS	3C		ES64R	D0	
ES64ASC	44		ES64RDX	18	0
ES64ASH	3E	0	ES64RID	0	C5E2
ES64AST	3C		ES64RL	D0	0
ES64AS0	3C		ES64RST	3B	F2
ES64AS1	40		ES64RST31	3B	40
ES64AS2	44		ES64RST64	3B	F2
ES64AS3	48	0	ES64RT	D2	40404040
ES64AS9	4C		ES64SRC	B7	0
ES64D	54		ES64SYM	1C	40404040
ES64DF	98	0	ES64000	0	
ES64DFA	98	80	ES64999	2D2	
ES64DIL	90	0	ZZZASTA	3C	C140
ES64DIM	88	0	ZZZASTBL	3C	C2D3
ES64DLB	65	0	ZZZASTBS	3C	C2E2
ES64DLE	5C		ZZZASTBT	3C	C2E3
ES64DOB	64	0	ZZZASTC	3C	C340
ES64DOF	54		ZZZASTCE	3C	C3C5
ES64DT	66		ZZZASTCR	3C	C3D9
ES64DTD	68	40404040	ZZZASTCT	3C	C3E3
ES64DTE	87	40	ZZZASTCV	3C	C3E5
ES64DTY	66		ZZZASTDS	3C	C4E2
ES64DT0	66		ZZZASTH	3C	C840
ES64DT9	88		ZZZASTLI	3C	D3C9
ES64D00	54		ZZZASTNO	3C	4040
ES64D99	A0		ZZZASTSB	3C	E2C2
ES64ELK	3B		ZZZASTSC	3C	E2C3
ES64F	B9		ZZZASTSD	3C	E2C4
ES64FC	BA	0	ZZZASTSS	3C	E2E2
ES64FCD	BA	80	ZZZASTSV	3C	E2E5
ES64FCO	BB	80	ZZZDTYA	66	C1
ES64FFP	BB	40	ZZZDTYB	66	C2
ES64FF9	BA	40	ZZZDTYC	66	C3
ES64FRA	BB	20	ZZZDTYE	66	C5
ES64FS	B9	0	ZZZDTYF	66	C6
ES64FSA	B9	10	ZZZDTYI	66	C9
ES64FSC	B9	80	ZZZDTYL	66	D3
ES64FSH	BB	10	ZZZDTYM	66	D4
ES64FSM	B9	20	ZZZDTYP	66	D7
ES64FSP	B9	8	ZZZDTYU	66	E4
ES64FSR	B9	4	ZZZDTYY	66	E8
ES64FSS	B9	1	ZZZDTYZ	66	E9
ES64FSX	B9	2			
ES64FS2	B9	40			
ES64HRL	2D2	2D2			
ES64HTL	D0	200			
ES64KEY	B8	0			
ES64LAD	4C	0			
ES64LKL	3B	3B			
ES64LRL	2D2	D2			

BLSRNAMP Information

BLSRNAMP Programming Interface information

Programming Interface information

BLSRNAMP

End of Programming Interface information

BLSRNAMP Heading Information • BLSRNAMP Map

BLSRNAMP Heading Information

Common Name: IPCS NAME service parameter list
Macro ID: BLSRNAMP
DSECT Name: NAMP
Owning Component: IPCS (SC132)
Eye-Catcher ID: NAMP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0 through 127, 251
 Key: 8
 Data Space: No
 Residency: LOC(ANY)
Size: 100 bytes
Created by: IPCS exits that use the IPCS Name Service
Pointed to by: N/A
Serialization: N/A
Function: This parameter list is used by IPCS exits and the NAME Subcommand to request the NAME service to convert a STOKEN or the real address of a data space ASTE to data space name and the owning ASID.

BLSRNAMP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NAMP	, IPCS name service parameter list
0	(0)	CHARACTER	1	NAMP000 (0)	Begin BLSRNAMP #MD93124

Comment

A Name service (NAMP) parameter list contains fields for either a STOKEN or a real address of a data space ASTE as input. Output data space and ASID information are placed in other fields.

End of Comment

0	(0)	CHARACTER	5	NAMPID (0)	Name service parameter identifier
0	(0)	CHARACTER	4	NAMPIDC	NAMP acronym
4	(4)	CHARACTER	1	NAMPIDL	NAMP level indicator
5	(5)	BITSTRING	3	NAMPPFLG (0)	Processing flags
5	(5)	BITSTRING	1	NAMPFL1 (0)	First byte of flags (name 1)
5	(5)	BITSTRING	1	NAMPFL1	First byte of flags (name 2)
		1... ..		NAMPFNOT	"BIT0" No output requested
		.1..		NAMPFAS	"BIT1" STOKEN identified as an address space
		..1.		NAMPFDS	"BIT2" STOKEN identified as a data space
		...1		NAMPF141	"BIT3" Suppress message BLS18141I
		.... 1...		NAMPFHS	"BIT4" STOKEN identified as a HIPER space
		.... .1..		NAMPFCAD	"BIT5" STOKEN identified as a common area data space
		.... ..1.		NAMPFSSP	"BIT6" STOKEN identified as a subspace
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	NAMPMODN	Name of module requesting the service
16	(10)	ADDRESS	4	NAMPASTE	Real address of a data space ASTE
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	8	NAMPSTKN	The input STOKEN to be translated
36	(24)	BITSTRING	4	NAMPASID	The address space ASID or owning ASID if the STOKEN is a data space
40	(28)	BITSTRING	8		Reserved
48	(30)	CHARACTER	8	NAMPDSPN	Data Space Name
48	(30)	CHARACTER	8	NAMPSSPN	Subspace name
56	(38)	SIGNED	4	NAMPOUTL	Length of contents of NAMPOUT field

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
60	(3C)	CHARACTER	40	NAMPOUT	Space addressable by the STOKEN in standard IPCS display format
100	(64)	BITSTRING	28		Reserved
128	(80)	CHARACTER	1	NAMP999 (0)	End BLSRNAMP #MD93124

BLSRNAMP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
NAMP	0	
NAMPASID	24	0
NAMPASTE	10	
NAMPDSPN	30	40404040
NAMPFAS	5	40
NAMPFCAD	5	4
NAMPFDS	5	20
NAMPFHS	5	8
NAMPFL1	5	
NAMPFNOT	5	80
NAMPFSSP	5	2
NAMPF141	5	10
NAMPID	0	
NAMPIDC	0	D5C1D4D7
NAMPIDL	4	F1
NAMPMODN	8	40404040
NAMPOUT	3C	40404040
NAMPOUTL	38	0
NAMPPFLG	5	
NAMPPFL1	5	0
NAMPSSPN	30	
NAMPSTKN	1C	0
NAMP000	0	
NAMP999	80	

BLSRPRD Information

BLSRPRD Programming Interface information

Programming Interface information

BLSRPRD

End of Programming Interface information

BLSRPRD Heading Information • BLSRPRD Map

BLSRPRD Heading Information

Common Name: Unformatted dump record prefix
Macro ID: BLSRPRD
DSECT Name: PRD or any name used as macro label
Owning Component: IPCS (SC132)
Eye-Catcher ID: DR
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: N/A
 Data Space: N/A
 Residency: N/A
Size: 4160 bytes
Created by: Dumping services
Pointed to by: N/A
Serialization: None
Function: Maps most records to be found in an unformatted OS/390 dump. The internal structure of component-supplied records may only be known to the code that writes those records at the time a dump is recorded and the code supplied by the component to use the contents. It may, at the discretion of the component, also be externalized.

BLSRPRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1040'	0	PRDINPUTLENGTH	"4160" Length of dump record

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	, Main DSECT for dump record
0	(0)	CHARACTER	64	PRDPREF	Dump record prefix
64	(40)	CHARACTER	4096	PRDDATA	Dump record body
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	X'40'	0	PRDSIZ	"64" Length of dump record prefix
0	(0)	SIGNED	4	(0)	Align on fullword boundary
0	(0)	CHARACTER	1	PRD (0)	Dump prefix

Comment

 Dump record prefix #MD07340

End of Comment

0	(0)	CHARACTER	3	PRDID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	PRDIDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	PRDIDCV	"C'DR',2,C'C" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	PRDIDV	Dump record prefix version
2	(2)	X'F1'	0	PRDIDV31	"C'1',1,C'C" 31-bit support levels
2	(2)	X'F2'	0	PRDIDV64	"C'2',1,C'C" 64-bit support levels
3	(3)	ADDRESS	1	PRDLEN	Dump record prefix length

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

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRPRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
(3)					A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRDAS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRDAS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRDAST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C'" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
6	(6)	BITSTRING	2	PRDASH	Reserved
8	(8)	SIGNED	4	PRDAS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRDASC (0)	Second qualifier
12	(C)	SIGNED	4	PRDAS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRDAS3	Reserved
20	(14)	CHARACTER	1	PRDAS9 (0)	End BLSRDATS #MD03009
20	(14)	ADDRESS	4	PRDLAD	Logical address
24	(18)	SIGNED	4	PRDSEQ	Sequence number used to prevent dumps from merging
28	(1C)	SIGNED	4	(2)	Reserved for data common to all types of dump records
36	(24)	BITSTRING	28	PRDTYPD	Record type specific data
64	(40)	CHARACTER	1	PRD999 (0)	End BLSRDRPX #MD07340

Comment

Store Status Record (type C) Data

End of Comment					
36	(24)	BITSTRING	1	PRDFLAGS	Store status flags
		1... ..		PRDSSINV	"BIT0" Store status may be invalid

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		PRDSIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		.1.		PRDGPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRDBFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRDBFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRDBFPH	"BIT5" Not used
		.... ..1.		PRDZ1V	"BIT6"
		.... ...1		PRDZARCH	"BIT7" Status in z/Architecture format
		.... ...1		PRDESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved

Comment

Dump Header Record (type H) Data

End of Comment

36	(24)	BITSTRING	1	PRDDUMPT	Dump type
36	(24)	X'1'	0	PRDSADP	"1" Stand alone dump
36	(24)	X'2'	0	PRDSVCDP	"2" SVC dump
36	(24)	X'3'	0	PRDSMDP	"3" SYSDUMP
36	(24)	X'4'	0	PRDSLDP	"4" SLIP dump
36	(24)	X'5'	0	PRDBLSDP	"5" IPCS active
37	(25)	BITSTRING	27		Reserved

Comment

Storage Record (types A, CV, DS, SS, SV) Data

End of Comment

36	(24)	BITSTRING	1	PRDKEY	Storage key for page
		1111 1111		PRDKEYQ	"X'FF" Storage key not known
		1111		PRDKEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRDKEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRDKEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRDKEYR	"BIT5" Page referenced
		.... ..1.		PRDKEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRDTYPS	Record type specific data

Comment

Data Space Storage Record (type DS, SS) Data.

End of Comment

42	(2A)	SIGNED	2		Reserved
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Comment

The following supplements the ASID and Data Space information.

End of Comment

44	(2C)	ADDRESS	4	PRDASTE	Absolute address of ASTE
48	(30)	BITSTRING	8	PRDSTOKN	STOKEN
56	(38)	BITSTRING	8		Reserved

Comment

Storage Record (types CV, SV and SC) data. Note: The only COMPDATA record for which this information is regarded as present is COMPDATA(IARHVSHR) at this time.

End of Comment

42	(2A)	BITSTRING	1	PRDSTYP	System area type
		1...		PRDCOMM	"BIT0" Common area

BLSRPRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		PRDAAF	"BIT1" Absolute address given
		..1.		PRDSHARE	"BIT2" Shared
43	(2B)	BITSTRING	1		Reserved
44	(2C)	ADDRESS	4	PRDAAAP	Absolute address
48	(30)	BITSTRING	16		Reserved
0	(0)	X'40'	0	PRD64SIZ	"64" Length of dump record prefix
0	(0)	SIGNED	4	(0)	Align on fullword boundary
0	(0)	CHARACTER	1	PRD64 (0)	Dump prefix

Comment					

Dump record prefix #MD07340					

End of Comment					
0	(0)	CHARACTER	3	PRD64ID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	PRD64IDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	PRD64IDCV	"C'DR',2,C'C" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	PRD64IDV	Dump record prefix version
2	(2)	X'F1'	0	PRD64IDV31	"C'1',1,C'C" 31-bit support levels
2	(2)	X'F2'	0	PRD64IDV64	"C'2',1,C'C" 64-bit support levels
3	(3)	ADDRESS	1	PRD64LEN	Dump record prefix length
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRD64AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRD64AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRD64AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
6	(6)	BITSTRING	2	PRD64ASH	Reserved
8	(8)	SIGNED	4	PRD64AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRD64ASC (0)	Second qualifier
12	(C)	SIGNED	4	PRD64AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRD64AS3	Reserved
20	(14)	CHARACTER	1	PRD64AS9 (0)	End BLSRDATS #MD03009
20	(14)	BITSTRING	8	PRD64LAD	Logical address
28	(1C)	SIGNED	4	PRD64SEQ	Sequence number used to prevent dumps from merging
32	(20)	ADDRESS	1	PRD64PHS	Archaic - phase
33	(21)	BITSTRING	2		Reserved for data common to all types of dump records
35	(23)	ADDRESS	1	PRD64PHASE	Phase of dumping program
35	(23)	X'0'	0	PRD64PHASE0	"0" No phase recorded
35	(23)	X'1'	0	PRD64PHASESADMPA	"1" SADMP early real data collection
35	(23)	X'2'	0	PRD64PHASESADMPB	"2" SADMP virtual data collection
35	(23)	X'3'	0	PRD64PHASESADMPD	"3" SADMP added real data collection
35	(23)	X'4'	0	PRD64PHASESADMPDPPFT	"4" SADMP - PFT
35	(23)	X'5'	0	PRD64PHASESADMPMINI	"5" SADMP - Minimal ASID real
35	(23)	X'6'	0	PRD64PHASESADMPSUMI	"6" SADMP - Summary ASID real
35	(23)	X'7'	0	PRD64PHASESADMPIN	"7" SADMP - Swapped-in ASID real
35	(23)	X'8'	0	PRD64PHASESADMPUSED	"8" SADMP - In-use real
35	(23)	X'9'	0	PRD64PHASESADMPMINO	"9" SADMP - Minimal ASID virtual
35	(23)	X'A'	0	PRD64PHASESADMPSUMO	"10" SADMP - Summary ASID virtual
35	(23)	X'B'	0	PRD64PHASESADMPDPPAGED	"11" SADMP - Swapped-in ASID virtual
35	(23)	X'C'	0	PRD64PHASESADMPDPSWAP	"12" SADMP - Swapped-out ASID virtual
35	(23)	X'D'	0	PRD64PHASESADMPDPRSRV	"13" SADMP - Available real
36	(24)	BITSTRING	28	PRD64TYPD	Record type specific data
64	(40)	CHARACTER	1	PRD64999 (0)	End BLSRDRPX #MD07340

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

Store Status Record (type C) Data					

					End of Comment
36	(24)	BITSTRING	1	PRD64FLAGS	Store status flags
		1... ..		PRD64SSINV	"BIT0" Store status may be invalid
		.1... ..		PRD64SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRD64GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRD64BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRD64BFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRD64BFPH	"BIT5" Not used
		.... ..1.		PRD64Z1V	"BIT6"
		.... ...1		PRD64ZARCH	"BIT7" Status in z/Architecture format
		.... ...1		PRD64ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved
					Comment

Dump Header Record (type H) Data					

					End of Comment
36	(24)	BITSTRING	1	PRD64DUMPT	Dump type
36	(24)	X'1'	0	PRD64SADP	"1" Stand alone dump
36	(24)	X'2'	0	PRD64SVCDP	"2" SVC dump
36	(24)	X'3'	0	PRD64SMDP	"3" SYSDUMP
36	(24)	X'4'	0	PRD64SLPDP	"4" SLIP dump
36	(24)	X'5'	0	PRD64BLSDP	"5" IPCS active
37	(25)	BITSTRING	27		Reserved
					Comment

Storage Record (types A, CV, DS, SS, SV) Data					

					End of Comment
36	(24)	BITSTRING	1	PRD64KEY	Storage key for page
		1111 1111		PRD64KEYQ	"X'FF" Storage key not known
		1111		PRD64KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRD64KEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRD64KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRD64KEYR	"BIT5" Page referenced
		.... ..1.		PRD64KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRD64TYP	Record type specific data
					Comment

Data Space Storage Record (type DS, SS) Data.					

					End of Comment
42	(2A)	SIGNED	2		Reserved
					Comment

					End of Comment
44	(2C)	BITSTRING	20		Reserved

BLSRPRD Map

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

Storage Record (types CV, SV and SC) data. Note: The only COMPDATA record for which this information is regarded as present is COMPDATA(IARHVSHR) at this time.					

End of Comment					
42	(2A)	BITSTRING 1... .. .1.. .. ..1.	1	PRD64STYP PRD64COMM PRD64AAF PRD64SHARE	System area type "BIT0" Common area "BIT1" Absolute address given "BIT2" Shared
43	(2B)	BITSTRING	1		Reserved
44	(2C)	BITSTRING	8	PRD64AAP	Absolute address
52	(34)	BITSTRING	12		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	,
64	(40)	CHARACTER	8	PRDMODNM	NAME OF PGM REQUESTING DUMP
72	(48)	CHARACTER	8	PRDTPDVL	CLOCK VALUE AT TIME OF DUMP
80	(50)	CHARACTER	8	PRDCPU (0)	PROCESSOR IDENTIFICATION
80	(50)	CHARACTER	1	PRDPVRSN	PROCESSOR VERSION CODE IN HEX
81	(51)	CHARACTER	3	PRDPSERL	PROCESSOR SERIAL NUMBER IN HEX
84	(54)	CHARACTER	2	PRDPMODL	PROCESSOR MODEL NUMBER IN HEX
86	(56)	CHARACTER	2	PRDPCPU@	PHYSICAL CPU ADDRESS IN HEX
88	(58)	CHARACTER	100	PRDTITLE	TITLE FROM DUMP
188	(BC)	CHARACTER	8	PRDDSPB	TIME SYSTEM SET NON-DISPATCHABLE
196	(C4)	CHARACTER	8	PRDDSPE	TIME SYSTEM RESET DISPATCHABLE
204	(CC)	CHARACTER	8	PRDSNAME	SYSTEM NAME
212	(D4)	CHARACTER	12		RESERVED - Aligns PRSDRSN
224	(E0)	CHARACTER	16	PRSDRSN	SVC Dump reason code (only for SVC dump captured dumps)
240	(F0)	SIGNED	4	PRSDBLK	Number of blocks in a captured dump (est. for auto alloc)
244	(F4)	CHARACTER	16	PRDPRODN	Product name
260	(104)	CHARACTER	2	PRDPRODV	Product version
262	(106)	CHARACTER	2	PRDPRODR	Product release
264	(108)	CHARACTER	2	PRDPRODM	Product modification
266	(10A)	CHARACTER	1	PRDPRODD	Product development level
267	(10B)	CHARACTER	55		RESERVED
322	(142)	SIGNED	2	PRDADSS0	Offset of ADSS
324	(144)	CHARACTER	16	PRDXMP16	16-byte analog of PRDXMPSW
340	(154)	CHARACTER	16	PRDPSW16	16-byte analog of PRDPSW
356	(164)	SIGNED	4	PRSDFWD	POINTER USED FOR HEADER CHAIN

Comment

THE FOLLOWING FIELDS ARE OFFSETS TO OTHER SECTIONS OF THE
HEADER ALONG WITH THE LENGTHS. IF THE OFFSET FIELD IS ZERO
THEN THE CORRESPONDING SECTION DOES NOT EXIST

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
End of Comment					
360	(168)	CHARACTER	16	PRDOFSET (0)	OFFSETS
360	(168)	SIGNED	2	PRSDMPO	OFFSET OF SDUMP/SYSMDUMP COMMON SECTION
362	(16A)	SIGNED	2	PRSDMPL	LENGTH OF COMMON SECTION
364	(16C)	SIGNED	2	PRDSLIP0	OFFSET OF SLIP SECTION
366	(16E)	SIGNED	2	PRDSLIP1	LENGTH OF SLIP SECTION
368	(170)	SIGNED	2	PRDSYSMO	OFFSET OF SYSMDUMP SECTION
370	(172)	SIGNED	2	PRDSYSML	LENGTH OF SYSMDUMP SECTION
372	(174)	SIGNED	2	PRSDSWA0	OFFSET OF SDWA FOR THIS DUMP
374	(176)	SIGNED	2	PRSDSWAL	LENGTH OF SDWA
376	(178)	CHARACTER	50	PRDCID	CALLER'S ID
426	(1AA)	SIGNED	2	PRDINTKO	Offset of incident token If 0, no incident token exists

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRSDSWA	, SDWA FOR THIS DUMP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRSDSDM	,
0	(0)	CHARACTER	4	PRDCVT	VIRTUAL ADDRESS OF CVT
4	(4)	CHARACTER	1	PRDFLG1	Flag byte
		1...		PRDME	"BIT0" ESAME mode
		.1..		PRDVGPRF	"BIT1" 64-bit SVC Dump regs on entry
		.1..		PRDMESET	"BIT1" For SADMP, on if dump was taken by a level of SADMP which sets PRDME
		..1.		PRDLGPRF	"BIT2" 64-bit SLIP regs on entry
		...1		PRDMGPRF	"BIT3" 64-bit SYSDUMP regs at error
5	(5)	CHARACTER	1		RESERVED
6	(6)	CHARACTER	10	PRDERRID	ERRORID ASSOCIATED WITH DUMP
16	(10)	CHARACTER	44	PRDDSNAM	DSN TO WHICH DUMP WAS TAKEN
60	(3C)	CHARACTER	18	PRDXM (0)	CROSS MEMORY STATUS INFO WHEN SDUMP WAS INVOKED
60	(3C)	CHARACTER	4	PRDCML	ASCB ADDRESS OF CML ASID
64	(40)	CHARACTER	8	PRDXMPSW	PSW WHEN SDUMP WAS INVOKED
72	(48)	SIGNED	2	PRDPASID	PRIMARY ASID
74	(4A)	SIGNED	2	PRDSASID	SECONDARY ASID
76	(4C)	SIGNED	2	PRDHASID	HOME ASID
78	(4E)	SIGNED	2	PRDWASID	SDWA OWNERS ASID
80	(50)	SIGNED	4	PRDSADDR	ADDRESS WHERE SDWA EXISTED
84	(54)	SIGNED	4	PRDTTCH (0)	POINTER TO TRACE TABLE CONTROL HDR
84	(54)	SIGNED	4	PRDPSAAD	If non-zero, the absolute address of an MVS PSA which SADMP used to locate other MVS control blocks.
88	(58)	SIGNED	2	PRSDSPO	OFFSET OF SVC DUMP PARM LIST
90	(5A)	SIGNED	2	PRSDSPL	LENGTH OF SVC DUMP PARM LIST
92	(5C)	SIGNED	2	PRSDOPO	OFFSET OF SDUMP OPTIONS LIST
94	(5E)	SIGNED	2	PRSDOPL	LENGTH OF SDUMP OPTIONS LIST
96	(60)	SIGNED	4	PRDTCB	POINTER TO TCB OF TASK WHICH REQUESTED THE DUMP
100	(64)	CHARACTER	3	PRDDIDCO	DUMP ID USED FOR MESSAGES AND TO IDENTIFY THE DUMP TO THE OPERATOR
103	(67)	CHARACTER	1		RESERVED
104	(68)	CHARACTER	428	PRDCPUST (0)	CPU STATUS SECTION
104	(68)	CHARACTER	428	PRDREGS (0)	REGISTERS
104	(68)	CHARACTER	32		Unused
136	(88)	CHARACTER	64	PRDGPR	GPR'S UPON ENTERING SDUMP
200	(C8)	CHARACTER	64	PRDCR	Used only in special IPCS code
264	(108)	CHARACTER	8	PRDPSW	CALLERS PSW BEFORE SDUMP
272	(110)	CHARACTER	64	PRDAR	ACCESS REGS UPON ENTERING SDUMP
336	(150)	CHARACTER	128	PRDFPR	FPR'S UPON ENTERING SDUMP
464	(1D0)	CHARACTER	4	PRDFPCR	FPCR
468	(1D4)	CHARACTER	4		RESERVED
472	(1D8)	SIGNED	4	(0)	
472	(1D8)	CHARACTER	64	PRDG64H	G64H UPON ENTERING SDUMP
536	(218)	CHARACTER	128	PRDC64S	ESAME CRs at SDUMP entry
664	(298)	SIGNED	4	PRDCSA	START OF COMMON STORAGE
668	(29C)	SIGNED	4	PRDEPVT	END OF COMMON STORAGE
672	(2A0)	CHARACTER	8	PRDHJOBN	PRDHASID JOBNAM
680	(2A8)	CHARACTER	8	PRDHVSS	START OF HIGH VIRTUAL SHARED AREA
688	(2B0)	CHARACTER	8	PRDHVHP	START OF HIGH VIRTUAL HIGH PRIVATE AREA
696	(2B8)	CHARACTER	8	PRDHVCO	High Virtual Common Origin
704	(2C0)	SIGNED	4	PRDTTCH2	Pointer to the trace table control header of the SNAPTRC which was issued by SDUMP when the system is reset to dispatchable prematurely

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRSDSPM	, SDUMP PARM LIST IN BITS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRSDSOPS	, SDUMP OPTIONS IN BITS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSLIP	,
0	(0)	CHARACTER	8	PRDSLPSW	PSW WHEN SLIP WAS ENTERED
8	(8)	CHARACTER	8		Was PRDSLPC3/C4
16	(10)	CHARACTER	64	PRDSLGP	GPR'S WHEN SLIP WAS ENTERED
80	(50)	CHARACTER	64	PRDSLAR	ACCESS REGISTERS WHEN SLIP WAS ENTERED

BLSRPRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
144	(90)	CHARACTER	64	(0)	Was PRDSLPCR
144	(90)	DBL WORD	8	PRDSLPC3	CONTROL REG 3
152	(98)	DBL WORD	8	PRDSLPC4	CONTROL REG 4
160	(A0)	CHARACTER	16	PRDSLP16	16-byte PSW
176	(B0)	CHARACTER	32		Reserved
208	(D0)	CHARACTER	64	PRDSL6H	High halves of GPRs when SLIP was entered
272	(110)	CHARACTER	128	PRD6C4	ESAME CRs when SLIP WAS ENTERED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDSYSMD	,
0	(0)	CHARACTER	4	PRDSMABD	ABEND CODE FOR THE ERROR
4	(4)	CHARACTER	8	PRDSMP5W	PSW AT ENTRY TO ABEND
12	(C)	CHARACTER	8	PRDSMLMN	NAME OF ACTIVE LOAD MODULE AT TIME OF ERROR
20	(14)	SIGNED	4	PRDSMLMA	@ OF ACTIVE LOAD MODULE
24	(18)	SIGNED	4	PRDSMLMO	OFFSET INTO ACTIVE LOAD MODULE POINTED TO BY PSW
28	(1C)	CHARACTER	12	PRDSMPDA	DATA AT PSW @ (6+ 6-)
40	(28)	CHARACTER	64	PRDSMGPR	GPR'S AT TIME OF ERROR
104	(68)	CHARACTER	4	PRDSMR5N	REASON CODE FOR THE ERROR
108	(6C)	CHARACTER	64	PRDSMAR	AR'S AT TIME OF ERROR
172	(AC)	CHARACTER	48		Unused
220	(DC)	CHARACTER	16	PRDSMP5W16	PSW AT ENTRY TO ABEND
236	(EC)	CHARACTER	64	PRDSMG6H	High halves of GPRs at time of error
300	(12C)	CHARACTER	128	PRDSMC64	ESAME CRs

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINTKD	,
0	(0)	CHARACTER	32	PRDINTKN	Incident token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	
64	(40)	SIGNED	4	PRDCPURC (0)	
64	(40)	CHARACTER	4096	PRDSTATS (0)	STORE STATUS DATA.
64	(40)	CHARACTER	212		PAD.
276	(114)	ADDRESS	4	PRDXADDR	EXTENDED-SAVE-AREA ADDRESS
280	(118)	CHARACTER	296	PRDSTST (0)	STORE STATUS DATA
280	(118)	CHARACTER	40	PRDSTST1 (0)	
280	(118)	CHARACTER	8	PRDTIMER	CPU TIMER.
288	(120)	CHARACTER	8	PRDCLKCP	CPU CLOCK COMPARATOR.
296	(128)	CHARACTER	24		PAD.
320	(140)	CHARACTER	256	PRDSTST2 (0)	
320	(140)	CHARACTER	8	PRDPSW2	CURRENT PSW.
328	(148)	SIGNED	4	PRDPSA	PREFIX VALUE.
332	(14C)	CHARACTER	4	PRDMDF	MODEL DEPENDENT FIELD.
336	(150)	CHARACTER	4	PRDSIGPS	SENSE INFORMATION RETURNED WHEN THE SIGP STOP AND STORE STATUS ORDER IN AMDSADIP FAILED
340	(154)	CHARACTER	4	PRDSIGP2	STATUS INFORMATION RETURNED WHEN THE SIGP STOP AND STORE STATUS ORDER IN AMDSACPU FAILED
344	(158)	CHARACTER	8		PAD.
352	(160)	CHARACTER	64	PRDARSA (0)	ACCESS REGISTERS SAVE AREA
352	(160)	CHARACTER	4	PRDAREGS (16)	ACCESS REGISTERS 0-15.
416	(1A0)	CHARACTER	32	PRDFPRSA (0)	FLOATING POINT REGISTERS SAVE AREA
416	(1A0)	CHARACTER	8	PRDFLPT (4)	FLOATING POINT REGISTERS 0,2,4,6
448	(1C0)	CHARACTER	64	PRDGPRSA (0)	GENERAL PURPOSE REGISTERS SAVE AREA
448	(1C0)	CHARACTER	4	PRDGREGS (16)	GENERAL PURPOSE REGISTERS 0-15.
512	(200)	CHARACTER	64	PRDCRSA (0)	CONTROL REGISTERS SAVE AREA
512	(200)	CHARACTER	4	PRDCTL (16)	CONTROL REGISTERS 0-15.
576	(240)	CHARACTER	256	PRDSTSTX (0)	EXTENDED STATUS DATA.
576	(240)	CHARACTER	16		PAD.
592	(250)	CHARACTER	4	PRDFPCTL	FLOATING POINT CONTROL.
596	(254)	CHARACTER	108		PAD.
704	(2C0)	CHARACTER	128	PRDFPRSX (0)	FLOATING POINT REGISTER SAVE AREA (EXTENDED)
704	(2C0)	CHARACTER	8	PRDFLPTX (16)	FLOATING POINT REGISTERS 0-15.
832	(340)	CHARACTER	3328		PAD.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	
64	(40)	CHARACTER	4096	PRXSTATS (0)	ESAME STORE STATUS DATA.
64	(40)	CHARACTER	448		PAD.
512	(200)	CHARACTER	64	(0)	Reserved for programming
512	(200)	CHARACTER	16	PRXRELPSW	Related PSW
528	(210)	BITSTRING	1	PRXFLAGS	Flags
		1...		PRXRELPSWVALID	
		.1..		PRXPSWFROMLSCA	"X'80" PrxRelPsw contains a PSW
					"X'40" 0 - PrxPsw is from store status, and PrxRelPsw is from LSCA. 1- PrxPsw is from LSCA, and PrxRelPsw is from store status. SADMP puts what it thinks is the more relevant PSW into PrxPsw.
529	(211)	CHARACTER	47		Reserved
576	(240)	CHARACTER	512	PRXSTST (0)	
576	(240)	CHARACTER	256	PRXSTST1 (0)	
576	(240)	CHARACTER	128	PRXFPRSA (0)	FLOATING POINT REGISTER SAVE AREA.
576	(240)	CHARACTER	8	PRXFLPTR (16)	FLOATING POINT REGISTERS 0-15.
704	(2C0)	CHARACTER	128	PRXGPRSA (0)	GENERAL PURPOSE REGISTERS SAVE AREA.
704	(2C0)	CHARACTER	8	PRXGREGS (16)	GENERAL PURPOSE REGISTERS 0-15.
832	(340)	CHARACTER	256	PRXSTST2 (0)	
832	(340)	CHARACTER	16	PRXPSW	CURRENT PSW.
848	(350)	CHARACTER	1	PRXARCID	ARCHITECTURE ID.
		.... ...1		PRXESAME	"X'01"
849	(351)	CHARACTER	3		PAD.
852	(354)	CHARACTER	4	PRXSIGPS	SIGP SENSE INFORMATION.
856	(358)	CHARACTER	4	PRXPSA	PREFIX VALUE.
860	(35C)	CHARACTER	4	PRXFPCTL	FLOATING POINT CONTROL.
864	(360)	CHARACTER	8	PRXTIMER	CPU TIMER.
872	(368)	CHARACTER	8	PRXCLKCP	CPU CLOCK COMPARATOR.
880	(370)	CHARACTER	16		PAD.
896	(380)	CHARACTER	64	PRXARSA (0)	ACCESS REGISTER SAVE AREA.
896	(380)	CHARACTER	4	PRXAREGS (16)	ACCESS REGISTERS 0-15.
960	(3C0)	CHARACTER	128	PRXCPSA (0)	CONTROL REGISTERS SAVE AREA.
960	(3C0)	CHARACTER	8	PRXCTL (16)	CONTROL REGISTERS 0-15.
1088	(440)	CHARACTER	512	PRXZ1	
1600	(640)	CHARACTER	2560		PAD.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IATB	INSTRUCTION ADDRESS TRACE BUFFER.
0	(0)	CHARACTER	160	IATBFRN (0)	FRONT DATA.
0	(0)	CHARACTER	6	IATBTM1	BYTES 0-5 OF THE TOD CLOCK ASSOCIATED WITH THE SPECIFIED CPU WHEN THE TRACE WAS LAST ACTIVATED.
6	(6)	CHARACTER	2		RESERVED.
8	(8)	CHARACTER	8	IATBPSW (0)	PSW.
8	(8)	CHARACTER	4	IATBPSW1	PSW FIRST WORD.
12	(C)	CHARACTER	4	IATBPSW2	PSW SECOND WORD.
16	(10)	CHARACTER	4	IATBGPR (16)	GENERAL PURPOSE REGISTERS 0-15.
80	(50)	CHARACTER	4	IATBCR (16)	CONTROL REGISTERS 0-15.
144	(90)	CHARACTER	6		RESERVED - ZEROS.
150	(96)	CHARACTER	1	IATBTM	TIMESTAMP FORMAT ('02'X).
151	(97)	CHARACTER	1		RESERVED - ZERO.
152	(98)	CHARACTER	2	IATBICN	NUMBER OF INSTRUCTION ADDRESS TRACE ENTRIES RECORDED.
154	(9A)	CHARACTER	6		RESERVED.
160	(A0)	CHARACTER	4	IATBCTR (214)	INSTRUCTION ADDRESS TRACE ENTRIES (MAXIMUM NUMBER OF ENTRIES IS 982, EACH ENTRY IS FOUR BYTES LONG).

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PRDINPUT	
Comment					
PRINT DUMP SYMPTOM AREA FORMAT THIS AREA IS DEFINED ON PRDSR WHICH BEGINS 2048 INTO THE HEADER RECORD BUILT BY SDUMP. THERE IS A REQUIREMENT THAT THE SYMPTOM STRING HEADER RECORD BEGIN AT THAT OFFSET.					
End of Comment					
2112	(840)	CHARACTER	2048	PRDSR (0)	PRINT DUMP SYMPTOM RECORD AREA

BLSRPRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2112	(840)	CHARACTER	2	SR	'SR' SYMPTOM AREA ID
2112	(840)	X'E2D9'	0	SRECID	"C'SR" 'SR' IDENTIFIER
2114	(842)	CHARACTER	40		RESERVED FOR FUTURE USE
2154	(86A)	CHARACTER	9	SRID	SYSTEM IDENTIFIER (DERIVED FROM FESN SYSTEM IDENTIFIER) OS/VS2(MVS) C'5752 '
2163	(873)	CHARACTER	5		RESERVED FOR FUTURE USE
2168	(878)	CHARACTER	8	SRDTYPE	TYPE OF DUMP, SUCH AS C'SVC DUMP'
2176	(880)	CHARACTER	8		RESERVED FOR FUTURE USE
2184	(888)	SIGNED	2	SRSLEN	LENGTH OF BASIC SYSTEM STRING IN SYSTEM DATA BASE (SDB) FORMAT FOR APARS
2186	(88A)	SIGNED	2	SRSOFF	OFFSET TO BASIC SYMPTOM STRING
2188	(88C)	SIGNED	2	SROLEN1	LENGTH OF OPTIONAL SYMPTOM STRING IN SDB FMT
2190	(88E)	SIGNED	2	SROFF1	OFFSET TO OPTIONAL SYMPTOM STRING IN SDB FORMAT
2192	(890)	SIGNED	2	SROLEN2	LENGTH OF OPTIONAL SYMP STRING 2, MAY OR MAY NOT BE IN SDB FORMAT. MAY BE CLUES THAT ARE NOT REPEATABLE, SO THEY MAY NOT BE USEFUL FOR DUPLICATE PROBLEM RECOGNITION
2194	(892)	SIGNED	2	SROFF2	OFFSET TO OPTIONAL SYMPTOM STRING 2
2196	(894)	SIGNED	2	SRLNCS	LENGTH OF COMPONENT SYMPTOM AREA. ZERO IF NOT SUPPLIED.
2198	(896)	SIGNED	2	SROFFCS	OFFSET TO COMPONENT SYMPTOM AREA. ZERO IF NOT IN SYMPTOM AREA. SRADDRCS CAN BE SUPPLIED IF THIS FIELD IS ZERO.
2200	(898)	SIGNED	4	SRADDRCS	VIRTUAL ADDRESS OF COMPONENT SYMPTOM AREA
2204	(89C)	CHARACTER	4	SRASID	SYSTEM DEPENDENT FIELD (ASID FOR MVS)
2208	(8A0)	CHARACTER	16		RESERVED FOR FUTURE USE
2224	(8B0)	SIGNED	4	SRHDEND (0)	END OF HEADER RECORD
2224	(8B0)	CHARACTER	112	SRBASIC (0)	BASIC SYMPTOM STRING
2224	(8B0)	CHARACTER	8	SRABD	ABEND CODE IN SDB FORMAT EX. AB/SC0D
2232	(8B8)	CHARACTER	16	SRRC	REASON CODE (IF EXISTS) EX. PRCS/1C08
2248	(8C8)	CHARACTER	16	SRCID	COMPONENT ID EX. PIDS/5752SC1C3
2264	(8D8)	CHARACTER	16	SRLM	LOAD MODULE NAME EX.RIDS/IECIOSAM#L
2280	(8E8)	CHARACTER	16	SRCSECT	CSECT NAME EX. RIDS/IECIOSCN
2296	(8F8)	CHARACTER	16	SRFRR	RECOVERY ROUTINE NAME EX.RIDS/IECIOFRR#R
2312	(908)	CHARACTER	24	SREGPSW	REGISTER/PSW DIFFERENCES EX. REGS/0C01B REGS/FFFF
2336	(920)	SIGNED	4	SRBASEND (0)	END OF BASIC SYMPTOM STRING
2336	(920)	CHARACTER	1	SROPT1 (0)	OPTIONAL STRING 1 STRING - SDB FMT
2336	(920)	SIGNED	4	SROP1END (0)	END OF OPTIONAL STRING 1
2336	(920)	CHARACTER	84	SROPT2 (0)	OPTIONAL STRING 2 STRING 2 - NON-SDB
2336	(920)	CHARACTER	16	SRPGM	ABENDING PROGRAM NAME EX. PGM=IEFBR14
2352	(930)	CHARACTER	24	SRLVL	ASSEMBLY MODULE LEVEL EX. MODLVL=09/10/80UZ19271
2376	(948)	CHARACTER	28	SRSC	COMPONENT/SUBCOMPONENT/ SUBFUNCTION DESCRIPTION EX. SC=IOS-EXCP
2404	(964)	CHARACTER	16	SRRRL	RECOVERY ROUTINE LABEL EX. RRL=ESTAERTN
2420	(974)	SIGNED	4	SROP2END (0)	END OF OPTIONAL STRING 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSSRCRS	PRIMARY SYMPTOM STRING, RETAIN X FORMAT
0	(0)	CHARACTER	150	RETANPSS	RETAIN FORMAT PRIMARY SYMPTOM STRING. THIS MUST END WITH AT LEAST ONE BLANK.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSSRCSS	SECONDARY SYMPTOM STRING
0	(0)	CHARACTER	1	RETANSSS (0)	RETAIN FORMAT SECONDARY SYMPTOM STRING. THIS MUST END WITH AT LEAST ONE BLANK.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ADSSRNSD	OPTIONAL SYMPTOM DATA, NONRETAIN FORMAT
0	(0)	CHARACTER	291	ADSSDAE (0)	DUMP ANALYSIS AND ELIMINATION (DAE) SECTION
0	(0)	CHARACTER	2	DAESSHDR (0)	HEADER TO MVS FORMAT SYMPTOM STRING
0	(0)	CHARACTER	1	DAESSHT	DATA TYPE. 'FO'X FOR PRINTABLE
1	(1)	SIGNED	1	DAESSHL	DATA LENGTH EQUAL TO LENGTH(DAESSMVS)
2	(2)	CHARACTER	150	DAESSMVS	MVS FORMAT SYMPTOM STRING
152	(98)	CHARACTER	2	DAENSHDR (0)	HEADER TO NONSYMPTOM STRING DATA
152	(98)	CHARACTER	1	DAENSHT	DATA TYPE. 'FF'X FOR NONPRINTABLE
153	(99)	BITSTRING	1	DAENSHL	DATA LENGTH EQUAL TO LENGTH(DAEDATA)
154	(9A)	CHARACTER	137	DAEDATA (0)	NONSYMPTOM STRING DATA

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
154	(9A)	CHARACTER	4	DAELVL	DAE LEVEL WHICH CREATED THIS DATA. (ACRONYM AND VERSION NUMBER FROM ADYDFLM).
158	(9E)	CHARACTER	84	DAECRIT (0)	CRITERIA FOR SYMPTOM STRING TO BE CONSIDERED AS A UNIQUE IDENTIFIER BY DAE
158	(9E)	SIGNED	2	DAEMINC	MINIMUM NUMBER OF SYMPTOMS IN THE SYMPTOM STRING FOR IT TO BE CONSIDERED UNIQUE.
160	(A0)	SIGNED	2	DAEMINL	MINIMUM LENGTH OF THE SYMPTOM STRING TO BE CONSIDERED UNIQUE.
162	(A2)	CHARACTER	40	DAEREQ	KEYS REQUIRED FOR MATCHING
202	(CA)	CHARACTER	40	DAEOPT	KEYS WHICH ARE OPTIONAL
242	(F2)	CHARACTER	4	DAESSACT (0)	ACTUAL VALUES USED TO DETERMINE IF THE SYMPTOM STRING MAY BE CONSIDERED UNIQUE.
242	(F2)	SIGNED	2	DAESLN	ACTUAL NUMBER OF BYTES OF UNIQUE.
244	(F4)	SIGNED	2	DAESCNT	ACTUAL COUNT OF THE NUMBER OF SYMPTOM STRINGS TO BE CONSIDERED UNIQUE.
246	(F6)	CHARACTER	8	DAESTAT	ADYDSTAT
254	(FE)	CHARACTER	6		RESERVED FOR EXPANSION OF DAESTAT
260	(104)	CHARACTER	21	DAEORIG (0)	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM
260	(104)	CHARACTER	10	DAEERID (0)	ERROR ID
260	(104)	SIGNED	2	DAEERSEQ	ERROR ID SEQUENCE NUMBER
262	(106)	SIGNED	2	DAEERCPU	ERROR ID CPU ID
264	(108)	SIGNED	2	DAEERAS	ERROR ID ADDRESS SPACE ID
266	(10A)	SIGNED	4	DAETIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
270	(10E)		4	DAEDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
274	(112)	CHARACTER	6	DAECPUO	CPUID FROM STIDP INSTRUCTION
280	(118)	BITSTRING	1	DAEFLG	FLAGS
		1...		DAESVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		DAESYSMD	"BIT1" A SYSDUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		DAETRUM	"BIT2" ORIGINAL MVS SYMPTOM STRING WAS TRUNCATED
		...1		DAERCDA	"BIT3" Entry was recorded because of RECORDALL
281	(119)	CHARACTER	10	DAECURR (0)	IDENTIFICATION OF THE CURRENT PROBLEM
281	(119)	SIGNED	4	DAEDTIM	TIME OF CURRENT PROBLEM (BINARY NUMBER, TENTHS OF A SECOND SINCE MIDNIGHT)
285	(11D)		4	DAEDDAT	DATE OF CURRENT PROBLEM (PACKED DECIMAL JULIAN-00YYDDDF)
289	(121)	SIGNED	2	DAEDCNT	NUMBER OF OCCURRENCES
291	(123)	CHARACTER	8	DAESNAMO	SYSNAME - ORIGINAL
299	(12B)	CHARACTER	8	DAESNAML	SYSNAME - LAST OCCUR

Comment

CONSTANT VALUES FOR VARIABLE DATA AREAS

End of Comment

		1111 1111		ADSSTPNP	"X'FF" DATA TYPE IS NOT PRINTABLE
		1111		ADSSTPPR	"X'F0" DATA TYPE IS PRINTABLE
299	(12B)	X'F	0	SRSYMML	"15" SYMPTOM MAXIMUM LENGTH

BLSRPRD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADSSDAE	0		DAEDTIM	119	
ADSSRCRS	0		DAEERAS	108	
ADSSRCSS	0		DAEERCPU	106	
ADSSRNSD	0		DAEERID	104	
ADSSTPNP	12B	FF	DAEERSEQ	104	
ADSSTPPR	12B	F0	DAEFLG	118	
BIT0	0	80	DAELVL	9A	
BIT1	0	40	DAEMINC	9E	
BIT2	0	20	DAEMINL	A0	
BIT3	0	10	DAENSHDR	98	
BIT4	0	8	DAENSHL	99	
BIT5	0	4	DAENSHT	98	
BIT6	0	2	DAEOPT	CA	
BIT7	0	1	DAEORIG	104	
DAECPUO	112		DAERCDA	118	10
DAECRIT	9E		DAEREQ	A2	
DAECURR	119		DAESCNT	F4	
DAEDATA	9A		DAESLN	F2	
DAEDATE	10E		DAESNAML	12B	
DAEDCNT	121		DAESNAMO	123	
DAEDDAT	11D		DAESSACT	F2	

BLSRPRD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DAESSHDR	0		PRDGPRVL	24	20
DAESSHL	1		PRDGREGS	1C0	
DAESSHT	0		PRDG64H	1D8	
DAESSMVS	2		PRDHASID	4C	
DAESTAT	F6		PRDHJOBN	2A0	
DAESVCD	118	80	PRDHVCO	2B8	
DAESYSMD	118	40	PRDHVHP	2B0	
DAETIME	10A		PRDHVSS	2A8	
DAETRUM	118	20	PRDID	0	
IATB	0		PRDIDC	0	C4D9
IATBCR	50		PRDIDCV	0	C4D9
IATBCTR	A0		PRDIDV	2	F1
IATBFRN	0		PRDIDV31	2	F1
IATBGPR	10		PRDIDV64	2	F2
IATBICN	98		PRDINPUT	0	
IATBPSW	8		PRDINPUT	0	
IATBPSW1	8		PRDINPUT	0	
IATBPSW2	C		PRDINPUT	0	
IATBTFM	96		PRDINPUT	0	
IATBTM1	0		PRDINPUTLENGTH		
PRD	0			0	1040
PRDAAF	2A	40	PRDINTKD	0	
PRDAAP	2C		PRDINTKN	0	
PRDADSS0	142		PRDINTKO	1AA	
PRDAR	110		PRDKEY	24	
PRDAREGS	160		PRDKEYA	24	F0
PRDARSA	160		PRDKEYC	24	2
PRDAS	4		PRDKEYF	24	8
PRDASC	C		PRDKEYQ	24	FF
PRDASH	6	0	PRDKEYR	24	4
PRDAST	4		PRDKEYU	24	6
PRDASTE	2C		PRDLAD	14	
PRDAS0	4		PRDLEN	3	
PRDAS1	8		PRDLGPRF	4	20
PRDAS2	C		PRDMDF	14C	
PRDAS3	10	0	PRDME	4	80
PRDAS9	14		PRDMESET	4	40
PRDBFP	24	10	PRDMGPRF	4	10
PRDBFPH	24	4	PRDMODNM	40	
PRDBFPV	24	8	PRDOFSET	168	
PRDBLSDP	24	5	PRDPASID	48	
PRDCID	178		PRDPCPU@	56	
PRDCLKCP	120		PRDPMODL	54	
PRDCML	3C		PRDPREF	0	
PRDCOMM	2A	80	PRDPRODD	10A	
PRDCPU	50		PRDPRODM	108	
PRDCPURC	40		PRDPRODN	F4	
PRDCPUST	68		PRDPRODR	106	
PRDCR	C8		PRDPRODV	104	
PRDCRSA	200		PRDPSA	148	
PRDCSA	298		PRDPSAAD	54	
PRDCTL	200		PRDPSERL	51	
PRDCVT	0		PRDPSW	108	
PRDC64S	218		PRDPSW16	154	
PRDDATA	40		PRDPSW2	140	
PRDDIDCO	64		PRDPVRSN	50	
PRDDSNAM	10		PRDREGS	68	
PRDDSPB	BC		PRDSADDR	50	
PRDDSPE	C4		PRDSADP	24	1
PRDDUMPT	24		PRDSASID	4A	
PRDEPVT	29C		PRDSDBLK	F0	
PRDERRID	6		PRSDSFWD	164	
PRDESAME	24	1	PRSDSMPL	16A	
PRDFLAGS	24		PRSDSMPO	168	
PRDFLG1	4		PRSDSOPL	5E	
PRDFLPT	1A0		PRSDSOPO	5C	
PRDFLPTX	2C0		PRSDSOPS	0	
PRDFPCR	1D0		PRSDSPL	5A	
PRDFPCTL	250		PRSDSPM	0	
PRDFPR	150		PRSDSPO	58	
PRDFPRSA	1A0		PRSDSRSN	E0	
PRDFPRSX	2C0		PRSDSM	0	
PRDGPR	88		PRSDSWA	0	
PRDGPRSA	1C0		PRSDSWAL	176	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PRDSDWAO	174		PRD64BFP	24	10
PRDSEQ	18	0	PRD64BFPH	24	4
PRDSHARE	2A	20	PRD64BFPV	24	8
PRDSIGPF	24	40	PRD64BLSDP	24	5
PRDSIGPS	150		PRD64COMM	2A	80
PRDSIGP2	154		PRD64DUMPT	24	
PRDSIZ	0	40	PRD64ESAME	24	1
PRDSLAR	50		PRD64FLAGS	24	
PRDSLC64	110		PRD64GPRVL	24	20
PRDSLGP	10		PRD64ID	0	
PRDSLG6H	D0		PRD64IDC	0	C4D9
PRDSLIP	0		PRD64IDCV	0	C4D9
PRDSLIPL	16E		PRD64IDV	2	F2
PRDSLIP0	16C		PRD64IDV31	2	F1
PRDSLPC3	90		PRD64IDV64	2	F2
PRDSLPC4	98		PRD64KEY	24	
PRDSLPPDP	24	4	PRD64KEYA	24	F0
PRDSLPSW	0		PRD64KEYC	24	2
PRDSL16	A0		PRD64KEYF	24	8
PRDSMABD	0		PRD64KEYQ	24	FF
PRDSMAR	6C		PRD64KEYR	24	4
PRDSMC64	12C		PRD64KEYU	24	6
PRDSMDP	24	3	PRD64LAD	14	0
PRDSMGPR	28		PRD64LEN	3	
PRDSMG6H	EC		PRD64PHASE	23	
PRDSMLMA	14		PRD64PHASESADMPA	23	1
PRDSMLMN	C		PRD64PHASESADMPB	23	2
PRDSMLMO	18		PRD64PHASESADMPD	23	3
PRDSMPDA	1C		PRD64PHASESADMPIN	23	7
PRDSMPSW	4		PRD64PHASESADMPINI	23	5
PRDSMP16	DC		PRD64PHASESADMPINO	23	9
PRDSMRSN	68		PRD64PHASESADMPAGED	23	B
PRDSNAME	CC		PRD64PHASESADMPFFT	23	4
PRDSR	840		PRD64PHASESADMPRSRV	23	D
PRDSSINV	24	80	PRD64PHASESADMPSUMI	23	6
PRDSTATS	40		PRD64PHASESADMPSUMO	23	A
PRDSTOKN	30		PRD64PHASESADMPSWAP	23	C
PRDSTST	118		PRD64PHASESADMPUSED	23	8
PRDSTSTX	240		PRD64PHASE0	23	0
PRDSTST1	118		PRD64PHS	20	
PRDSTST2	140		PRD64SADP	24	1
PRDSTYP	2A		PRD64SEQ	1C	0
PRDSVCDP	24	2	PRD64SHARE	2A	20
PRDSYSMD	0		PRD64SIGPF	24	40
PRDSYSML	172		PRD64SIZ	0	40
PRDSYSMO	170		PRD64SLPDP	24	4
PRDTCB	60		PRD64SMDP	24	3
PRDTIMER	118		PRD64SSINV	24	80
PRDTITLE	58		PRD64STYP	2A	
PRDTODVL	48		PRD64SVCDP	24	2
PRDTTCH	54		PRD64TYPD	24	0
PRDTTCH2	2C0		PRD64TYP	2A	
PRDTYPD	24	0	PRD64ZARCH	24	1
PRDTYPS	2A		PRD64Z1V	24	2
PRDVGPRF	4	40	PRD64999	40	
PRDWASID	4E		PRD999	40	
PRDXADDR	114		PRXARCID	350	
PRDXM	3C		PRXAREGS	380	
PRDXMPSW	40		PRXARSA	380	
PRDXMP16	144		PRXCLKCP	368	
PRDZARCH	24	1	PRXCDSA	3C0	
PRDZ1V	24	2			
PRD64	0				
PRD64AAF	2A	40			
PRD64AAP	2C				
PRD64AS	4				
PRD64ASC	C				
PRD64ASH	6	0			
PRD64AST	4				
PRD64AS0	4				
PRD64AS1	8				
PRD64AS2	C				
PRD64AS3	10	0			
PRD64AS9	14				

BLSRPRD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PRXCTL	3C0		ZZZASTSV	4	E2E5
PRXESAME	350	1			
PRXFLAGS	210				
PRXFLPTR	240				
PRXFPCTL	35C				
PRXFPRSA	240				
PRXGPRSA	2C0				
PRXGREGS	2C0				
PRXPSA	358				
PRXPSW	340				
PRXPSWFROMLSCA					
	210	40			
PRXRELPSW	200				
PRXRELPSWVALID					
	210	80			
PRXSIGPS	354				
PRXSTATS	40				
PRXSTST	240				
PRXSTST1	240				
PRXSTST2	340				
PRXTIMER	360				
PRXZ1	440				
RETANPSS	0				
RETANSSS	0				
SR	840				
SRABD	8B0				
SRADDRCS	898				
SRASID	89C				
SRBASEND	920				
SRBASIC	8B0				
SRCID	8C8				
SRCSECT	8E8				
SRDTYPE	878				
SRECID	840	E2D9			
SREGPSW	908				
SRFRR	8F8				
SRHDEND	8B0				
SRID	86A				
SRL ENCS	894				
SRLM	8D8				
SRLVL	930				
SROFFCS	896				
SROFF1	88E				
SROFF2	892				
SROLEN1	88C				
SROLEN2	890				
SROPT1	920				
SROPT2	920				
SROP1END	920				
SROP2END	974				
SRPGM	920				
SRRRC	8B8				
SRRRL	964				
SRSC	948				
SRSLEN	888				
SRSOFF	88A				
SRSYMLL	12B	F			
ZZZASTA	4	C140			
ZZZASTBL	4	C2D3			
ZZZASTBS	4	C2E2			
ZZZASTBT	4	C2E3			
ZZZASTC	4	C340			
ZZZASTCE	4	C3C5			
ZZZASTCR	4	C3D9			
ZZZASTCT	4	C3E3			
ZZZASTCV	4	C3E5			
ZZZASTDS	4	C4E2			
ZZZASTH	4	C840			
ZZZASTLI	4	D3C9			
ZZZASTNO	4	4040			
ZZZASTSB	4	E2C2			
ZZZASTSC	4	E2C3			
ZZZASTSD	4	E2C4			
ZZZASTSS	4	E2E2			

BLSRPWHS Information

BLSRPWHS Programming Interface information

Programming Interface information

BLSRPWHS

End of Programming Interface information

BLSRPWHS Heading Information • BLSRPWHS Map

BLSRPWHS Heading Information

Common Name: IPCS Symbol Table Record
Macro ID: BLSRPWHS
DSECT Name: Selected by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: PWHS
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 222 bytes
 ABITS=64: 240 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a location of interest as input to the IPCS Where service and a block that contains it on successful return from that service.
Serialization: None
Function: Describe the input to and the output from the WHERE service.
 OPERATION = Create a mapping for BLSRPWHS

BLSRPWHS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WH31	, WHERE service parameter list
0	(0)	DBL WORD	8	WH31000 (0)	Begin BLSRPWHS #MD06207

Comment

 A WHERE service parameter list defines the input to and the output from the WHERE service.

End of Comment

0	(0)	CHARACTER	5	WH31ID (0)	Control block identifier
0	(0)	CHARACTER	4	WH31IDC	Control block acronym
4	(4)	CHARACTER	1	WH31IDL	Control block level indicator
4	(4)	X'F1'	0	WH31IDL31	"C'1" ABITS=31
4	(4)	X'F2'	0	WH31IDL64	"C'2" ABITS=64
5	(5)	BITSTRING	3	WH31PFLG (0)	Processing flags
5	(5)	BITSTRING	1	WH31PFL1	First byte of flags
		1... ..		WH31PUT	"BIT0" Generate output using the print service
		.1.		WH31RETN	"BIT1" Return nonstandard module name
		..11 1..		WH31DTYF	"BIT2+BIT3+BIT4" Data type code selectors. All bits off or on select all types
		..1.		WH31DTYFL	"BIT2" MODULE selector
		...1		WH31DTYFM	"BIT3" STRUCTURE selector
		.... 1..		WH31DTYFU	"BIT4" AREA selector
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	WH31MODN	Name of module requesting the service

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

An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRPWHS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
(3)					A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
16	(10)	SIGNED	4	(0)	Align on word boundary
16	(10)	CHARACTER	16	WH31AS (0)	IPCS address space descriptor
16	(10)	CHARACTER	1	WH31AS0 (0)	Begin BLSRDATS #MD03009
16	(10)	CHARACTER	2	WH31AST (0)	Address space type code
16	(10)	ADDRESS	2		Address space type code
16	(10)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
16	(10)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
16	(10)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
16	(10)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
16	(10)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
16	(10)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
16	(10)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
16	(10)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
16	(10)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
16	(10)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
16	(10)	X'C840'	0	ZZZASTH	"C'H" HEADER
16	(10)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
16	(10)	X'4040'	0	ZZZASTNO	"C'" No address space type code
16	(10)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
16	(10)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
16	(10)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
16	(10)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
16	(10)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
18	(12)	BITSTRING	2	WH31ASH	Reserved
20	(14)	SIGNED	4	WH31AS1 (0)	Integer 1
20	(14)	SIGNED	4		Integer 1
24	(18)	CHARACTER	8	WH31ASC (0)	Second qualifier
24	(18)	SIGNED	4	WH31AS2 (0)	Integer 2
24	(18)	SIGNED	4		Integer 2
28	(1C)	BITSTRING	4	WH31AS3	Reserved
32	(20)	CHARACTER	1	WH31AS9 (0)	End BLSRDATS #MD03009
32	(20)	ADDRESS	4	WH31LAD	WHERE address
36	(24)	BITSTRING	20		Reserved
56	(38)	CHARACTER	120	WH31OUTP (0)	WHERE output area
56	(38)	ADDRESS	4	WH31OLAD	Located object address

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

IPCS records the following properties for areas of storage:					
- The offset between an addressed byte and the physical origin of this area.					
- The physical length of this area.					
- A data type.					
- An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.					

					End of Comment
60	(3C)	SIGNED	4	(0)	Align structure on boundary
60	(3C)	CHARACTER	60	WH31OD (0)	IPCS attribute descriptor
60	(3C)	CHARACTER	1	WH31OD00 (0)	Begin BLSRDATC #MD03007
60	(3C)	ADDRESS	4	WH31ODOF	Offset in bytes
64	(40)	ADDRESS	4	WH31ODLE	Length in bytes
68	(44)	SIGNED	1	WH31ODOB	
69	(45)	SIGNED	1	WH31ODLB	
70	(46)	SIGNED	2	(0)	Align structure on boundary
70	(46)	CHARACTER	34	WH31ODT (0)	IPCS data type descriptor
70	(46)	CHARACTER	1	WH31ODT0 (0)	Begin BLSRDATT #MD04356
70	(46)	CHARACTER	1	WH31ODTY (0)	Data type code
70	(46)	ADDRESS	1		Data type code
					Comment
----- The following data type codes are supported by IPCS -----					
					End of Comment
70	(46)	X'C1'	0	ZZZDTYA	"C'A',1,C'C" Pointer
70	(46)	X'C2'	0	ZZZDTYB	"C'B',1,C'C" Bit
70	(46)	X'C3'	0	ZZZDTYC	"C'C',1,C'C" Character
70	(46)	X'C5'	0	ZZZDTYE	"C'E',1,C'C" Float
70	(46)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
70	(46)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
70	(46)	X'D3'	0	ZZZDTYL	"C'L',1,C'C" Module @D1A"
70	(46)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
70	(46)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
70	(46)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
70	(46)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
70	(46)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
71	(47)	BITSTRING	1		
72	(48)	CHARACTER	31	WH31ODTD	Data name
103	(67)	CHARACTER	1	WH31ODTE	reserved
104	(68)	CHARACTER	1	WH31ODT9 (0)	End BLSRDATT #MD04356
104	(68)	SIGNED	4	WH31ODIM	Array entry count
108	(6C)	SIGNED	4	WH31ODIL	Subscript of initial array entry
112	(70)	BITSTRING	4	WH31ODF	Flags
		1... ..		WH31ODFA	"BIT0" Array
116	(74)	BITSTRING	4		
120	(78)	CHARACTER	1	WH31OD99 (0)	End BLSRDATC #MD03007
120	(78)	SIGNED	4	WH31OOFF	Offset into located object
124	(7C)	SIGNED	2	WH31OSAL	Length of system area name
126	(7E)	CHARACTER	31	WH31OSAN	System area name (e.g. PLPA)
157	(9D)	CHARACTER	1		Reserved
158	(9E)	SIGNED	2	WH31ONOL	Length of NAME+OFFSET string
160	(A0)	CHARACTER	42	WH31ONMO	NAME+OFFSET string
202	(CA)	BITSTRING	2		Reserved
204	(CC)	ADDRESS	4	WH31OMDP	Address of nonstandard module name data or 0
208	(D0)	BITSTRING	14		Reserved
222	(DE)	CHARACTER	1	WH31999 (0)	End BLSRPWHS #MD06207

BLSRPWHS Cross Reference

BLSRPWHS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	ZZZASTNO	10	4040
BIT1	0	40	ZZZASTSB	10	E2C2
BIT2	0	20	ZZZASTSC	10	E2C3
BIT3	0	10	ZZZASTSD	10	E2C4
BIT4	0	8	ZZZASTSS	10	E2E2
BIT5	0	4	ZZZASTSV	10	E2E5
BIT6	0	2	ZZZDTYA	46	C1
BIT7	0	1	ZZZDTYB	46	C2
WH31	0		ZZZDTYC	46	C3
WH31AS	10		ZZZDTYE	46	C5
WH31ASC	18		ZZZDTYF	46	C6
WH31ASH	12	0	ZZZDTYI	46	C9
WH31AST	10		ZZZDTYL	46	D3
WH31AS0	10		ZZZDTYM	46	D4
WH31AS1	14		ZZZDTYP	46	D7
WH31AS2	18		ZZZDTYU	46	E4
WH31AS3	1C	0	ZZZDTYY	46	E8
WH31AS9	20		ZZZDTYZ	46	E9
WH31DTYF	5	38			
WH31DTYFL	5	20			
WH31DTYFM	5	10			
WH31DTYFU	5	8			
WH31ID	0				
WH31IDC	0	D7E6C8E2			
WH31IDL	4	F1			
WH31IDL31	4	F1			
WH31IDL64	4	F2			
WH31LAD	20				
WH31MODN	8	40404040			
WH31OD	3C				
WH31ODF	70	0			
WH31ODFA	70	80			
WH31ODIL	6C	0			
WH31ODIM	68	0			
WH31ODLB	45	0			
WH31ODLE	40				
WH31ODOB	44	0			
WH31ODOF	3C				
WH31ODT	46				
WH31ODTD	48	40404040			
WH31ODTE	67	40			
WH31ODTY	46				
WH31ODT0	46				
WH31ODT9	68				
WH31OD00	3C				
WH31OD99	78				
WH31OLAD	38				
WH31OMDP	CC				
WH31ONMO	A0	40404040			
WH31ONOL	9E	0			
WH31OOFF	78	0			
WH31OSAL	7C	0			
WH31OSAN	7E	40404040			
WH31OUTP	38				
WH31PFLG	5				
WH31PFL1	5	0			
WH31PUT	5	80			
WH31RETN	5	40			
WH31000	0				
WH31999	DE				
ZZZASTA	10	C140			
ZZZASTBL	10	C2D3			
ZZZASTBS	10	C2E2			
ZZZASTBT	10	C2E3			
ZZZASTC	10	C340			
ZZZASTCE	10	C3C5			
ZZZASTCR	10	C3D9			
ZZZASTCT	10	C3E3			
ZZZASTCV	10	C3E5			
ZZZASTDS	10	C4E2			
ZZZASTH	10	C840			
ZZZASTLI	10	D3C9			

BLSRPW64 Information

BLSRPW64 Programming Interface information

Programming Interface information

BLSRPW64

End of Programming Interface information

BLSRPW64 Heading Information • BLSRPW64 Map

BLSRPW64 Heading Information

Common Name: IPCS Symbol Table Record
Macro ID: BLSRPWHS
DSECT Name: Selected by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: PWHS
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: ABITS=31: 222 bytes
 ABITS=64: 240 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a location of interest as input to the IPCS Where service and a block that contains it on successful return from that service.
Serialization: None
Function: Describe the input to and the output from the WHERE service.
 OPERATION = Create a mapping for BLSRPWHS

BLSRPW64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WH64	, WHERE service parameter list
0	(0)	DBL WORD	8	WH64000 (0)	Begin BLSRPWHS #MD06207

Comment

 A WHERE service parameter list defines the input to and the output from the WHERE service.

End of Comment

0	(0)	CHARACTER	5	WH64ID (0)	Control block identifier
0	(0)	CHARACTER	4	WH64IDC	Control block acronym
4	(4)	CHARACTER	1	WH64IDL	Control block level indicator
4	(4)	X'F1'	0	WH64IDL31	"C'1" ABITS=31
4	(4)	X'F2'	0	WH64IDL64	"C'2" ABITS=64
5	(5)	BITSTRING	3	WH64PFLG (0)	Processing flags
5	(5)	BITSTRING	1	WH64PFL1	First byte of flags
		1..		WH64PUT	"BIT0" Generate output using the print service
		.1..		WH64RETN	"BIT1" Return nonstandard module name
		..11 1...		WH64DTYF	"BIT2+BIT3+BIT4" Data type code selectors. All bits off or on select all types
		..1.		WH64DTYFL	"BIT2" MODULE selector
		...1		WH64DTYFM	"BIT3" STRUCTURE selector
		.... 1...		WH64DTYFU	"BIT4" AREA selector
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	WH64MODN	Name of module requesting the service

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

An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRPW64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
					(3) A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

					End of Comment
16	(10)	SIGNED	4	(0)	Align on word boundary
16	(10)	CHARACTER	16	WH64AS (0)	IPCS address space descriptor
16	(10)	CHARACTER	1	WH64AS0 (0)	Begin BLSRDATS #MD03009
16	(10)	CHARACTER	2	WH64AST (0)	Address space type code
16	(10)	ADDRESS	2		Address space type code
16	(10)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
16	(10)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
16	(10)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
16	(10)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
16	(10)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
16	(10)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
16	(10)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
16	(10)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
16	(10)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
16	(10)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
16	(10)	X'C840'	0	ZZZASTH	"C'H" HEADER
16	(10)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
16	(10)	X'4040'	0	ZZZASTNO	"C'" No address space type code
16	(10)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
16	(10)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
16	(10)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
16	(10)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
16	(10)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
18	(12)	BITSTRING	2	WH64ASH	Reserved
20	(14)	SIGNED	4	WH64AS1 (0)	Integer 1
20	(14)	SIGNED	4		Integer 1
24	(18)	CHARACTER	8	WH64ASC (0)	Second qualifier
24	(18)	SIGNED	4	WH64AS2 (0)	Integer 2
24	(18)	SIGNED	4		Integer 2
28	(1C)	BITSTRING	4	WH64AS3	Reserved
32	(20)	CHARACTER	1	WH64AS9 (0)	End BLSRDATS #MD03009
32	(20)	BITSTRING	8	WH64LAD	WHERE address
40	(28)	BITSTRING	12		Reserved
52	(34)	CHARACTER	120	WH64OUTP (0)	WHERE output area
52	(34)	BITSTRING	8	WH64OLAD	Located object address

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

IPCS records the following properties for areas of storage:					
- The offset between an addressed byte and the physical origin of this area.					
- The physical length of this area.					
- A data type.					
- An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.					

End of Comment					
60	(3C)	SIGNED	4	(0)	Align structure on boundary
60	(3C)	CHARACTER	76	WH64OD (0)	IPCS attribute descriptor
60	(3C)	CHARACTER	1	WH64OD00 (0)	Begin BLSRDATC #MD03007
60	(3C)	SIGNED	8	WH64ODOF (0)	Offset in bytes
60	(3C)	ADDRESS	8		Offset in bytes
68	(44)	ADDRESS	8	WH64ODLE	Length in bytes
76	(4C)	SIGNED	1	WH64ODOB	
77	(4D)	SIGNED	1	WH64ODLB	
78	(4E)	SIGNED	2	(0)	Align structure on boundary
78	(4E)	CHARACTER	34	WH64ODT (0)	IPCS data type descriptor
78	(4E)	CHARACTER	1	WH64ODT0 (0)	Begin BLSRDATT #MD04356
78	(4E)	CHARACTER	1	WH64ODTY (0)	Data type code
78	(4E)	ADDRESS	1		Data type code
Comment					
----- The following data type codes are supported by IPCS -----					
End of Comment					
78	(4E)	X'C1'	0	ZZZDTYA	"C'A',1,C'C" Pointer
78	(4E)	X'C2'	0	ZZZDTYB	"C'B',1,C'C" Bit
78	(4E)	X'C3'	0	ZZZDTYC	"C'C',1,C'C" Character
78	(4E)	X'C5'	0	ZZZDTYE	"C'E',1,C'C" Float
78	(4E)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
78	(4E)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
78	(4E)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
78	(4E)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
78	(4E)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
78	(4E)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
78	(4E)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
78	(4E)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
79	(4F)	BITSTRING	1		
80	(50)	CHARACTER	31	WH64ODTD	Data name
111	(6F)	CHARACTER	1	WH64ODTE	reserved
112	(70)	CHARACTER	1	WH64ODT9 (0)	End BLSRDATT #MD04356
112	(70)	BITSTRING	8	WH64ODIM	Array entry count
120	(78)	BITSTRING	8	WH64ODIL	Subscript of initial array entry
128	(80)	BITSTRING	4	WH64ODF	Flags
		1... ..		WH64ODFA	"BIT0" Array
132	(84)	BITSTRING	4		
136	(88)	CHARACTER	1	WH64OD99 (0)	End BLSRDATC #MD03007
136	(88)	BITSTRING	8	WH64OOFF	Offset into located object
144	(90)	SIGNED	2	WH64OSAL	Length of system area name
146	(92)	CHARACTER	31	WH64OSAN	System area name (e.g. PLPA)
177	(B1)	CHARACTER	1		Reserved
178	(B2)	SIGNED	2	WH64ONOL	Length of NAME+OFFSET string
180	(B4)	CHARACTER	42	WH64ONMO	NAME+OFFSET string
222	(DE)	BITSTRING	2		Reserved
224	(E0)	ADDRESS	4	WH64OMDP	Address of nonstandard module name data or 0
228	(E4)	BITSTRING	12		Reserved
240	(F0)	CHARACTER	1	WH64999 (0)	End BLSRPWHS #MD06207

BLSRPW64 Cross Reference

BLSRPW64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WH64	0		ZZZDTYC	4E	C3
WH64AS	10		ZZZDTYE	4E	C5
WH64ASC	18		ZZZDTYF	4E	C6
WH64ASH	12	0	ZZZDTYI	4E	C9
WH64AST	10		ZZZDTYL	4E	D3
WH64AS0	10		ZZZDTYM	4E	D4
WH64AS1	14		ZZZDTYP	4E	D7
WH64AS2	18		ZZZDTYU	4E	E4
WH64AS3	1C	0	ZZZDTYY	4E	E8
WH64AS9	20		ZZZDTYZ	4E	E9
WH64DTYF	5	38			
WH64DTYFL	5	20			
WH64DTYFM	5	10			
WH64DTYFU	5	8			
WH64ID	0				
WH64IDC	0	D7E6C8E2			
WH64IDL	4	F2			
WH64IDL31	4	F1			
WH64IDL64	4	F2			
WH64LAD	20	0			
WH64MODN	8	40404040			
WH64OD	3C				
WH64ODF	80	0			
WH64ODFA	80	80			
WH64ODIL	78	0			
WH64ODIM	70	0			
WH64ODLB	4D	0			
WH64ODLE	44				
WH64ODOB	4C	0			
WH64ODOF	3C				
WH64ODT	4E				
WH64ODTD	50	40404040			
WH64ODTE	6F	40			
WH64ODTY	4E				
WH64ODT0	4E				
WH64ODT9	70				
WH64OD00	3C				
WH64OD99	88				
WH64OLAD	34	0			
WH64OMDP	E0				
WH64ONMO	B4	40404040			
WH64ONOL	B2	0			
WH64OOFF	88	0			
WH64OSAL	90	0			
WH64OSAN	92	40404040			
WH64OUTP	34				
WH64PFLG	5				
WH64PFL1	5	0			
WH64PUT	5	80			
WH64RETN	5	40			
WH64000	0				
WH64999	F0				
ZZZASTA	10	C140			
ZZZASTBL	10	C2D3			
ZZZASTBS	10	C2E2			
ZZZASTBT	10	C2E3			
ZZZASTC	10	C340			
ZZZASTCE	10	C3C5			
ZZZASTCR	10	C3D9			
ZZZASTCT	10	C3E3			
ZZZASTCV	10	C3E5			
ZZZASTDS	10	C4E2			
ZZZASTH	10	C840			
ZZZASTLI	10	D3C9			
ZZZASTNO	10	4040			
ZZZASTSB	10	E2C2			
ZZZASTSC	10	E2C3			
ZZZASTSD	10	E2C4			
ZZZASTSS	10	E2E2			
ZZZASTSV	10	E2E5			
ZZZDTYA	4E	C1			
ZZZDTYB	4E	C2			

BLSRSASY Information

BLSRSASY Programming Interface information

Programming Interface information

BLSRSASY

End of Programming Interface information

BLSRSASY Heading Information • BLSRSASY Map

BLSRSASY Heading Information

Common Name: IPCS Storage Address Record
Macro ID: BLSRSASY
DSECT Name: defined by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: SA
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: Pageable
 Virtual Storage: Yes
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: 8
 Data Space: No
 Residency: LOC(ANY)
Size: ABITS(31) - 256-3072 bytes
 ABITS(64) - 192-3008 bytes
Created by: Invokers of the IPCS storage map service
Pointed to by: XMSPSAR (macro BLSRXMSP)
Serialization: None
Function: Define the structure of a dump directory storage address (SA) record.

BLSRSASY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SA31	, IPCS Storage Address Record
0	(0)	CHARACTER	1	SA31000 (0)	Begin BLSRSASY #MD99125
0	(0)	CHARACTER	2	SA31RID	Record type==>SA
2	(2)	BITSTRING	6		

Comment

 A Storage Address record defines one storage map record, associating it with a contiguous block of storage in an address space.

End of Comment

8	(8)	SIGNED	4	SA31RDX	Data set index
---	-----	--------	---	---------	----------------

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

 An IPCS address space is specified by three values:

- (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))
 - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
 - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
 - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
 - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
 - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
 - Code LI refers to a literal value associated with a symbol (LITERAL)
 - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
 - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
 - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
 - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
 - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)
- (2) A binary integer whose interpretation depends on the preceding code:
 - For code BL this integer should be the relative block number
 - For code BS this integer should be the relative byte address group number
 - For code BT this integer should be the relative track address
 - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

BLSRSASY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					referenced data space.
					- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
					- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
					- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.
					(3) A doubleword whose interpretation depends on the preceding code:
					- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
					- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
					- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
					- For code SC the doubleword is interpreted as a component identifier.
					- For other codes this doubleword has no meaning and should be set to zero.

End of Comment					
12	(C)	SIGNED	4	(0)	Align on word boundary
12	(C)	CHARACTER	16	SA31AS (0)	IPCS address space descriptor
12	(C)	CHARACTER	1	SA31AS0 (0)	Begin BLSRDATS #MD03009
12	(C)	CHARACTER	2	SA31AST (0)	Address space type code
12	(C)	ADDRESS	2		Address space type code
12	(C)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
12	(C)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
12	(C)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
12	(C)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR
12	(C)	X'C340'	0	ZZZASTC	"C'C" CPU STATUS
12	(C)	X'C3C5'	0	ZZZASTCE	"C'CE" CPU DOMAIN(VECTOR)
12	(C)	X'C3D9'	0	ZZZASTCR	"C'CR" CPU REAL
12	(C)	X'C3E3'	0	ZZZASTCT	"C'CT" CPU DOMAIN(CPUTRACE)
12	(C)	X'C3E5'	0	ZZZASTCV	"C'CV" CPU ASID
12	(C)	X'C4E2'	0	ZZZASTDS	"C'DS" ASID DSPNAME
12	(C)	X'C840'	0	ZZZASTH	"C'H" HEADER
12	(C)	X'D3C9'	0	ZZZASTLI	"C'LI" LITERAL
12	(C)	X'4040'	0	ZZZASTNO	"C'" No address space type code
12	(C)	X'E2C2'	0	ZZZASTSB	"C'SB" DOMAIN(SDUMPBUFFER)
12	(C)	X'E2C3'	0	ZZZASTSC	"C'SC" COMPDATA
12	(C)	X'E2C4'	0	ZZZASTSD	"C'SD" DOMAIN(SUMDUMP)
12	(C)	X'E2E2'	0	ZZZASTSS	"C'SS" ASID DSPNAME SUMDUMP
12	(C)	X'E2E5'	0	ZZZASTSV	"C'SV" ASID SUMDUMP
14	(E)	BITSTRING	2	SA31ASH	Reserved
16	(10)	SIGNED	4	SA31AS1 (0)	Integer 1
16	(10)	SIGNED	4		Integer 1
20	(14)	CHARACTER	8	SA31ASC (0)	Second qualifier
20	(14)	SIGNED	4	SA31AS2 (0)	Integer 2
20	(14)	SIGNED	4		Integer 2
24	(18)	BITSTRING	4	SA31AS3	Reserved
28	(1C)	CHARACTER	1	SA31AS9 (0)	End BLSRDATS #MD03009
28	(1C)	ADDRESS	4	SA31LAD	Logical address
32	(20)	SIGNED	2	(0)	Align structure on boundary
32	(20)	CHARACTER	34	SA31DT (0)	IPCS data type descriptor
32	(20)	CHARACTER	1	SA31DT0 (0)	Begin BLSRDATT #MD04356
32	(20)	CHARACTER	1	SA31DTY (0)	Data type code
32	(20)	ADDRESS	1		Data type code

Comment					
----- The following data type codes are supported by IPCS -----					
End of Comment					
32	(20)	X'C1'	0	ZZZDTYA	"C'A',1,C'" Pointer
32	(20)	X'C2'	0	ZZZDTYB	"C'B',1,C'" Bit
32	(20)	X'C3'	0	ZZZDTYC	"C'C',1,C'" Character
32	(20)	X'C5'	0	ZZZDTYE	"C'E',1,C'" Float

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	X'C6'	0	ZZZDTYF	"C'F',1,C'C" Signed
32	(20)	X'C9'	0	ZZZDTYI	"C'I',1,C'C" Instruction
32	(20)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
32	(20)	X'D4'	0	ZZZDTYM	"C'M',1,C'C" Structure
32	(20)	X'D7'	0	ZZZDTYP	"C'P',1,C'C" Packed
32	(20)	X'E4'	0	ZZZDTYU	"C'U',1,C'C" Area
32	(20)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C" Unsigned
32	(20)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C" Zoned
33	(21)	BITSTRING	1		
34	(22)	CHARACTER	31	SA31DTD	Data name
65	(41)	CHARACTER	1	SA31DTE	reserved
66	(42)	CHARACTER	1	SA31DT9 (0)	End BLSRDATT #MD04356
66	(42)	CHARACTER	1	SA31ELK (0)	End of logical key
66	(42)	X'42'	0	SA31LKL	"SA31ELK-SA31000" Logical key length
66	(42)	BITSTRING	2		Reserved

Comment

IPCS records the following properties for areas of storage:

- The offset between an addressed byte and the physical origin of this area.
- The physical length of this area.
- A data type.
- An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.

End of Comment

68	(44)	SIGNED	4	(0)	Align structure on boundary
68	(44)	CHARACTER	60	SA31F (0)	IPCS attribute descriptor
68	(44)	CHARACTER	1	SA31F00 (0)	Begin BLSRDATC #MD03007
68	(44)	ADDRESS	4	SA31FOF	Offset in bytes
72	(48)	ADDRESS	4	SA31FLE	Length in bytes
76	(4C)	SIGNED	1	SA31FOB	
77	(4D)	SIGNED	1	SA31FLB	
78	(4E)	SIGNED	2	(0)	Align structure on boundary
78	(4E)	CHARACTER	34	SA31FT (0)	IPCS data type descriptor
78	(4E)	CHARACTER	1	SA31FT0 (0)	Begin BLSRDATT #MD04356
78	(4E)	CHARACTER	1	SA31FTY (0)	Data type code
78	(4E)	ADDRESS	1		Data type code
79	(4F)	BITSTRING	1		
80	(50)	CHARACTER	31	SA31FTD	Data name
111	(6F)	CHARACTER	1	SA31FTE	reserved
112	(70)	CHARACTER	1	SA31FT9 (0)	End BLSRDATT #MD04356
112	(70)	SIGNED	4	SA31FIM	Array entry count
116	(74)	SIGNED	4	SA31FIL	Subscript of initial array entry
120	(78)	BITSTRING	4	SA31FF	Flags
		1... ..		SA31FFA	"BIT0" Array
124	(7C)	BITSTRING	4		
128	(80)	CHARACTER	1	SA31F99 (0)	End BLSRDATC #MD03007

Comment

Scan results--Flags, return codes, and processing summary

End of Comment

128	(80)	BITSTRING	8	SA31SF (0)	Scan Flags
128	(80)	BITSTRING	1		
		1... ..		SA31SF1	"BIT0" Scan started
		.1.		SA31SF9	"BIT1" Scan completed
		..1.		SA31SFI	"BIT2" Initial analysis error
		...1		SA31SFS	"BIT3" Storage required for diagnostic(s)
		.... 1..		SA31SFA	"BIT4" Storage attributes unknown
		.... .1.		SA31SFM	"BIT5" Use model - no scan exit
		.... ..1		SA31SFF	"BIT6" Find routine exists
		.... ...1		SA31SFG	"BIT7" Scan exit accepts ABITS(64) API
129	(81)	BITSTRING	7		Reserved
136	(88)	BITSTRING	8	SA31GMT	TOD clock value when scan was last performed
144	(90)	CHARACTER	8	SA31PGV	Scan program name or model name

BLSRSASY Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
152	(98)	SIGNED	1	SA31SRC	Scan result code--0=>Informational, 4=>Warning, 8=>Error, 12=>Serious
153	(99)	BITSTRING	16		Reserved
169	(A9)	ADDRESS	1	SA31RST	BLSRSASY subtype
169	(A9)	X'0'	0	SA31RST31	"0" BLSRSASY subtype - ABITS=31
169	(A9)	X'1'	0	SA31RST64	"1" BLSRSASY subtype - ABITS=64
170	(AA)	BITSTRING	84		Reserved

Comment

 Scan processing details--Length(0:2816) characters--structured by
 each scan exit to match its unique requirements

End of Comment

254	(FE)	CHARACTER	1	SA31C (0)	Scan routine data
254	(FE)	SIGNED	2	SA31CL	Length of remark text
254	(FE)	X'0'	0	SA31LTL	"0" Minimum remark text length
254	(FE)	X'B00'	0	SA31HTL	"2816" Maximum remark text length
256	(100)	BITSTRING	1	SA31CT (0)	Scan routine data
3072	(C00)	CHARACTER	1	SA31999 (0)	End BLSRSASY #MD99125
3072	(C00)	X'100'	0	SA31LRL	"SA31CT-SA31000" Minimum record length
3072	(C00)	X'C00'	0	SA31HRL	"SA31999-SA31000" Maximum record length

BLSRSASY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	SA31GMT	88	
BIT1	0	40	SA31HRL	C00	C00
BIT2	0	20	SA31HTL	FE	B00
BIT3	0	10	SA31LAD	1C	
BIT4	0	8	SA31LKL	42	42
BIT5	0	4	SA31LRL	C00	100
BIT6	0	2	SA31LTL	FE	0
BIT7	0	1	SA31PGV	90	40404040
SA31	0		SA31RDX	8	0
SA31AS	C		SA31RID	0	E2C1
SA31ASC	14		SA31RST	A9	
SA31ASH	E	0	SA31RST31	A9	0
SA31AST	C		SA31RST64	A9	1
SA31AS0	C		SA31SF	80	
SA31AS1	10		SA31SFA	80	8
SA31AS2	14		SA31SFF	80	2
SA31AS3	18	0	SA31SFG	80	1
SA31AS9	1C		SA31SFI	80	20
SA31C	FE		SA31SFM	80	4
SA31CL	FE	0	SA31SFS	80	10
SA31CT	100	0	SA31SF1	80	80
SA31DT	20		SA31SF9	80	40
SA31DTD	22	40404040	SA31SRC	98	0
SA31DTE	41	40	SA31000	0	
SA31DTY	20		SA31999	C00	
SA31DT0	20		ZZZASTA	C	C140
SA31DT9	42		ZZZASTBL	C	C2D3
SA31ELK	42		ZZZASTBS	C	C2E2
SA31F	44		ZZZASTBT	C	C2E3
SA31FF	78	0	ZZZASTC	C	C340
SA31FFA	78	80	ZZZASTCE	C	C3C5
SA31FIL	74	0	ZZZASTCR	C	C3D9
SA31FIM	70	0	ZZZASTCT	C	C3E3
SA31FLB	4D	0	ZZZASTCV	C	C3E5
SA31FLE	48		ZZZASTDS	C	C4E2
SA31FOB	4C	0	ZZZASTH	C	C840
SA31FOF	44		ZZZASTLI	C	D3C9
SA31FT	4E		ZZZASTNO	C	4040
SA31FTD	50	40404040	ZZZASTSB	C	E2C2
SA31FTE	6F	40	ZZZASTSC	C	E2C3
SA31FTY	4E		ZZZASTSD	C	E2C4
SA31FT0	4E		ZZZASTSS	C	E2E2
SA31FT9	70		ZZZASTSV	C	E2E5
SA31F00	44		ZZZDTYA	20	C1
SA31F99	80		ZZZDTYB	20	C2

Name	Hex Offset	Hex Value
ZZZDTYC	20	C3
ZZZDTYE	20	C5
ZZZDTYF	20	C6
ZZZDTYI	20	C9
ZZZDTYL	20	D3
ZZZDTYM	20	D4
ZZZDTYP	20	D7
ZZZDTYU	20	E4
ZZZDTYY	20	E8
ZZZDTYZ	20	E9

BLSRSA64 Information

BLSRSA64 Programming Interface information

Programming Interface information

BLSRSA64

End of Programming Interface information

BLSRSA64 Heading Information • BLSRSA64 Map

BLSRSA64 Heading Information

Common Name: IPCS Storage Address Record
Macro ID: BLSRSASY
DSECT Name: defined by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: SA
 Offset: 0
 Length: 2
Storage Attributes: Main Storage: Pageable
 Virtual Storage: Yes
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: 8
 Data Space: No
 Residency: LOC(ANY)
Size: ABITS(31) - 256-3072 bytes
 ABITS(64) - 192-3008 bytes
Created by: Invokers of the IPCS storage map service
Pointed to by: XMSPSAR (macro BLSRXMSP)
Serialization: None
Function: Define the structure of a dump directory storage address (SA) record.

BLSRSA64 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SA64	, IPCS Storage Address Record
0	(0)	CHARACTER	1	SA64000 (0)	Begin BLSRSASY #MD99125
0	(0)	CHARACTER	2	SA64RID	Record type==>SA
2	(2)	BITSTRING	6		

Comment

 A Storage Address record defines one storage map record, associating it with a contiguous block of storage in an address space.

End of Comment

8	(8)	SIGNED	4	SA64RDX	Data set index
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Comment

 An IPCS address space is specified by three values:
 (1) A two-character code identifying the type of address space:
 - Letter code A indicates that the file contains an MVS high-speed dump and that absolute main storage of the dumped system is being referenced (ABSOLUTE)
 - Code BL indicates that a physical block in a file is being referenced using a relative block number (BLOCK)
 - Code BS indicates that a relative byte address group in the file is being referenced (RBA)
 - Code BT indicates that a physical block in a file is being referenced using a relative track address (TTR)
 - Letter code C indicates that the file contains an MVS high-speed dump and that the CPU status data for one dumped CPU is being referenced (CPU STATUS)
 - Code CE indicates that the file contains an MVS high-speed dump and that vector registers for one CPU are being referenced (CPU DOMAIN(VECTOR))

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<ul style="list-style-type: none"> - Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL) - Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE)) - Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID) - Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME) - Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER) - Code LI refers to a literal value associated with a symbol (LITERAL) - Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER)) - Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP) 					
(2) A binary integer whose interpretation depends on the preceding code:					
<ul style="list-style-type: none"> - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. 					
(3) A doubleword whose interpretation depends on the preceding code:					
<ul style="list-style-type: none"> - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. 					

					End of Comment
12	(C)	SIGNED	4	(0)	Align on word boundary
12	(C)	CHARACTER	16	SA64AS (0)	IPCS address space descriptor
12	(C)	CHARACTER	1	SA64AS0 (0)	Begin BLSRDATS #MD03009
12	(C)	CHARACTER	2	SA64AST (0)	Address space type code
12	(C)	ADDRESS	2		Address space type code
12	(C)	X'C140'	0	ZZZASTA	"C'A" ABSOLUTE
12	(C)	X'C2D3'	0	ZZZASTBL	"C'BL" BLOCK
12	(C)	X'C2E2'	0	ZZZASTBS	"C'BS" RBA
12	(C)	X'C2E3'	0	ZZZASTBT	"C'BT" TTR

BLSRSA64 Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
12	(C)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
12	(C)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
12	(C)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
12	(C)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
12	(C)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
12	(C)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
12	(C)	X'C840'	0	ZZZASTH	"C'H '" HEADER
12	(C)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
12	(C)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
12	(C)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
12	(C)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
12	(C)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
12	(C)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
12	(C)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
14	(E)	BITSTRING	2	SA64ASH	Reserved
16	(10)	SIGNED	4	SA64AS1 (0)	Integer 1
16	(10)	SIGNED	4		Integer 1
20	(14)	CHARACTER	8	SA64ASC (0)	Second qualifier
20	(14)	SIGNED	4	SA64AS2 (0)	Integer 2
20	(14)	SIGNED	4		Integer 2
24	(18)	BITSTRING	4	SA64AS3	Reserved
28	(1C)	CHARACTER	1	SA64AS9 (0)	End BLSRDATS #MD03009
28	(1C)	BITSTRING	8	SA64LAD	Logical address
36	(24)	SIGNED	2	(0)	Align structure on boundary
36	(24)	CHARACTER	34	SA64DT (0)	IPCS data type descriptor
36	(24)	CHARACTER	1	SA64DT0 (0)	Begin BLSRDATT #MD04356
36	(24)	CHARACTER	1	SA64DTY (0)	Data type code
36	(24)	ADDRESS	1		Data type code

Comment

----- The following data type codes are supported by IPCS -----

End of Comment

36	(24)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
36	(24)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
36	(24)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
36	(24)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
36	(24)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
36	(24)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
36	(24)	X'D3'	0	ZZZDTYL	"C'L',1,C'C'" Module @D1A"
36	(24)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
36	(24)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
36	(24)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
36	(24)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
36	(24)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
37	(25)	BITSTRING	1		
38	(26)	CHARACTER	31	SA64DTD	Data name
69	(45)	CHARACTER	1	SA64DTE	reserved
70	(46)	CHARACTER	1	SA64DT9 (0)	End BLSRDATT #MD04356
70	(46)	CHARACTER	1	SA64ELK (0)	End of logical key
70	(46)	X'46'	0	SA64LKL	"SA64ELK-SA64000" Logical key length
70	(46)	BITSTRING	2		Reserved

Comment

IPCS records the following properties for areas of storage:

- The offset between an addressed byte and the physical origin of this area.
 - The physical length of this area.
 - A data type.
 - An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry.
-

End of Comment

72	(48)	SIGNED	4	(0)	Align structure on boundary
72	(48)	CHARACTER	76	SA64F (0)	IPCS attribute descriptor
72	(48)	CHARACTER	1	SA64F00 (0)	Begin BLSRDATC #MD03007
72	(48)	SIGNED	8	SA64FOF (0)	Offset in bytes
72	(48)	ADDRESS	8		Offset in bytes

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	ADDRESS	8	SA64FLE	Length in bytes
88	(58)	SIGNED	1	SA64FOB	
89	(59)	SIGNED	1	SA64FLB	
90	(5A)	SIGNED	2	(0)	Align structure on boundary
90	(5A)	CHARACTER	34	SA64FT (0)	IPCS data type descriptor
90	(5A)	CHARACTER	1	SA64FT0 (0)	Begin BLSRDATT #MD04356
90	(5A)	CHARACTER	1	SA64FTY (0)	Data type code
90	(5A)	ADDRESS	1		Data type code
91	(5B)	BITSTRING	1		
92	(5C)	CHARACTER	31	SA64FTD	Data name
123	(7B)	CHARACTER	1	SA64FTE	reserved
124	(7C)	CHARACTER	1	SA64FT9 (0)	End BLSRDATT #MD04356
124	(7C)	BITSTRING	8	SA64FIM	Array entry count
132	(84)	BITSTRING	8	SA64FIL	Subscript of initial array entry
140	(8C)	BITSTRING	4	SA64FF	Flags
		1...		SA64FFA	"BIT0" Array
144	(90)	BITSTRING	4		
148	(94)	CHARACTER	1	SA64F99 (0)	End BLSRDATC #MD03007

Comment

 Scan results--Flags, return codes, and processing summary

End of Comment

148	(94)	BITSTRING	8	SA64SF (0)	Scan Flags
148	(94)	BITSTRING	1		
		1...		SA64SF1	"BIT0" Scan started
		.1.		SA64SF9	"BIT1" Scan completed
		..1.		SA64SFI	"BIT2" Initial analysis error
		...1		SA64SFS	"BIT3" Storage required for diagnostic(s)
		.... 1..		SA64SFA	"BIT4" Storage attributes unknown
		.... .1.		SA64SFM	"BIT5" Use model - no scan exit
		.... ..1.		SA64SFF	"BIT6" Find routine exists
		.... ...1		SA64SFG	"BIT7" Scan exit accepts ABITS(64) API
149	(95)	BITSTRING	3		Reserved
152	(98)	BITSTRING	8	SA64GMT	TOD clock value when scan was last performed
160	(A0)	CHARACTER	8	SA64PGV	Scan program name or model name
168	(A8)	SIGNED	1	SA64SRC	Scan result code--0=>Informational, 4=>Warning, 8=>Error, 12=>Serious
169	(A9)	ADDRESS	1	SA64RST	BLSRSASY subtype
169	(A9)	X'0'	0	SA64RST31	"0" BLSRSASY subtype - ABITS=31
169	(A9)	X'1'	0	SA64RST64	"1" BLSRSASY subtype - ABITS=64
170	(AA)	BITSTRING	20		Reserved

Comment

 Scan processing details--Length(0:2816) characters--structured by
 each scan exit to match its unique requirements

End of Comment

190	(BE)	CHARACTER	1	SA64C (0)	Scan routine data
190	(BE)	SIGNED	2	SA64CL	Length of remark text
190	(BE)	X'0'	0	SA64LTL	"0" Minimum remark text length
190	(BE)	X'B00'	0	SA64HTL	"2816" Maximum remark text length
192	(C0)	BITSTRING	1	SA64CT (0)	Scan routine data
3008	(BC0)	CHARACTER	1	SA64999 (0)	End BLSRSASY #MD99125
3008	(BC0)	X'CO'	0	SA64LRL	"SA64CT-SA64000" Minimum record length
3008	(BC0)	X'BC0'	0	SA64HRL	"SA64999-SA64000" Maximum record length

BLSRSA64 Cross Reference

BLSRSA64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SA64	0		ZZZASTH	C	C840
SA64AS	C		ZZZASTLI	C	D3C9
SA64ASC	14		ZZZASTNO	C	4040
SA64ASH	E	0	ZZZASTSB	C	E2C2
SA64AST	C		ZZZASTSC	C	E2C3
SA64AS0	C		ZZZASTSD	C	E2C4
SA64AS1	10		ZZZASTSS	C	E2E2
SA64AS2	14		ZZZASTSV	C	E2E5
SA64AS3	18	0	ZZZDTYA	24	C1
SA64AS9	1C		ZZZDTYB	24	C2
SA64C	BE		ZZZDTYC	24	C3
SA64CL	BE	0	ZZZDTYE	24	C5
SA64CT	C0	0	ZZZDTYF	24	C6
SA64DT	24		ZZZDTYI	24	C9
SA64DTD	26	40404040	ZZZDTYL	24	D3
SA64DTE	45	40	ZZZDTYM	24	D4
SA64DTY	24		ZZZDTYP	24	D7
SA64DT0	24		ZZZDTYU	24	E4
SA64DT9	46		ZZZDTYY	24	E8
SA64ELK	46		ZZZDTYZ	24	E9
SA64F	48				
SA64FF	8C	0			
SA64FFA	8C	80			
SA64FIL	84	0			
SA64FIM	7C	0			
SA64FLB	59	0			
SA64FLE	50				
SA64FOB	58	0			
SA64FOF	48				
SA64FT	5A				
SA64FTD	5C	40404040			
SA64FTE	7B	40			
SA64FTY	5A				
SA64FT0	5A				
SA64FT9	7C				
SA64F00	48				
SA64F99	94				
SA64GMT	98				
SA64HRL	BC0	BC0			
SA64HTL	BE	B00			
SA64LAD	1C	0			
SA64LKL	46	46			
SA64LRL	BC0	C0			
SA64LTL	BE	0			
SA64PGV	A0	40404040			
SA64RDX	8	0			
SA64RID	0	E2C1			
SA64RST	A9				
SA64RST31	A9	0			
SA64RST64	A9	1			
SA64SF	94				
SA64SFA	94	8			
SA64SFF	94	2			
SA64SFG	94	1			
SA64SFI	94	20			
SA64SFM	94	4			
SA64SFS	94	10			
SA64SF1	94	80			
SA64SF9	94	40			
SA64SRC	A8	0			
SA64000	0				
SA64999	BC0				
ZZZASTA	C	C140			
ZZZASTBL	C	C2D3			
ZZZASTBS	C	C2E2			
ZZZASTBT	C	C2E3			
ZZZASTC	C	C340			
ZZZASTCE	C	C3C5			
ZZZASTGR	C	C3D9			
ZZZASTCT	C	C3E3			
ZZZASTCV	C	C3E5			
ZZZASTDS	C	C4E2			

BLSRXMSP Information

BLSRXMSP Programming Interface information

Programming Interface information

BLSRXMSP

End of Programming Interface information

BLSRXMSP Heading Information • BLSRXMSP Map

BLSRXMSP Heading Information

Common Name: IPCS storage map service parameter list
Macro ID: BLSRSMSP
DSECT Name: Not applicable
Owning Component: IPCS (SC132)
Eye-Catcher ID: XMSP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Not applicable
 Key: 8
 Data Space: No
 Residency: LOC(ANY)
Size: 64 bytes
Created by: User code for use by the IPCS storage map service
Pointed to by: IPCS storage map service parameter list
Serialization: None
Function: This parameter list is used by IPCS exits to request services involving Storage address records.

BLSRXMSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XMSP	, IPCS storage map service parameter list
0	(0)	CHARACTER	1	XMSP000 (0)	Begin BLSRXMSP #MD99116

Comment

A storage map service (XMSP) parameter list contains fields pointing to a Storage Address record and a buffer address in which to place data. The type of service requested is identified in field XMSPCODE.

End of Comment

0	(0)	CHARACTER	5	XMSPID (0)	Storage map service parameter identifier
0	(0)	CHARACTER	4	XMSPIDC	XMSP acronym
4	(4)	CHARACTER	1	XMSPIDL	XMSP level indicator
5	(5)	BITSTRING	3	XMSPFLG (0)	Processing flags
5	(5)	BITSTRING	1	XMSPFL1	First byte of flags
		1... ..		XMSPNOMS	"BIT0" No error or diagnostic messages to be issued
		..1.		XMSPDCS	"BIT1" Data characteristics have been supplied
		..1.		XMSPDEFR	"BIT2" Defer Scan routine

Comment

P.LDEL EQU BIT3 Used internally by OS/390 MVS

End of Comment

		.... 1...		XMSPV64	"BIT4" 64-bit API for validity check
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	XMSPMODN	Name of module requesting the service
16	(10)	ADDRESS	4	XMSPSAR	Address of Storage Map record being processed
20	(14)	ADDRESS	4	XMSPSAL	Address of Storage Map record used in locating the control block being validity checked by the current SCAN routine
24	(18)	ADDRESS	4	XMSPBUF	Pointer to user buffer to contain accessed storage
28	(1C)	ADDRESS	4		Reserved pointer

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
32	(20)	ADDRESS	2	XMSPCODE	Function code bytes
32	(20)	X'1'	0	XMSPACC	"1,2,C'Y'" Access storage described by Storage Address record
32	(20)	X'2'	0	XMSPVAL	"2,2,C'Y'" Validity check storage
32	(20)	X'3'	0	XMSPDIAG	"3,2,C'Y'" Diagnose block of storage described as being in error
34	(22)	BITSTRING	34	XMSPRV2	Reserved
68	(44)	CHARACTER	1	XMSP999 (0)	End BLSRXMSP #MD99116

BLSRXMSP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
XMSP	0	
XMSPACC	20	1
XMSPBUF	18	
XMSPCODE	20	0
XMSPDCS	5	40
XMSPDEFR	5	20
XMSPDIAG	20	3
XMSPID	0	
XMSPIDC	0	E7D4E2D7
XMSPIDL	4	F1
XMSPMODN	8	40404040
XMSPNOMS	5	80
XMSPPFLG	5	
XMSPPFL1	5	0
XMSPRV2	22	0
XMSPSAL	14	
XMSPSAR	10	
XMSPVAL	20	2
XMSPV64	5	8
XMSP000	0	
XMSP999	44	

BLSRXSSP Information

BLSRXSSP Programming Interface information

Programming Interface information

BLSRXSSP

End of Programming Interface information

BLSRXSSP Heading Information • BLSRXSSP Map

BLSRXSSP Heading Information

Common Name: IPCS Symbol Service Parameter List
Macro ID: BLSRXSSP
DSECT Name: Selected by user of macro
Owning Component: IPCS (SC132)
Eye-Catcher ID: XSSP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: No
 Virtual Storage: No
 Auxiliary Storage: Yes
 Subpool: Any that may be altered by key 8 programs
 Key: 8
 Data Space: No
 Residency: LOC(ANY,ANY)
Size: 64 bytes
Created by: Calling program in the IPCS host environment
Pointed to by: N/A
Serialization: None
Function: This parameter list is used by IPCS exits to request services involving the Equate Symbol records.
 OPERATION = Create a mapping for BLSRXSSP

BLSRXSSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XSSP	, IPCS symbol service parameter list
0	(0)	CHARACTER	1	XSSP000 (0)	Begin BLSRXSSP #MD08017

Comment

 A symbol service (XSSP) parameter list contains fields pointing to an Equate Symbol record and a buffer address in which to place data. The type of service requested is identified in field XSSPCODE.

End of Comment

0	(0)	CHARACTER	5	XSSPID (0)	Symbol service parameter identifier
0	(0)	CHARACTER	4	XSSPIDC	XSSP acronym
4	(4)	CHARACTER	1	XSSPIDL	XSSP level indicator
5	(5)	BITSTRING	3	XSSPPFLG (0)	Processing flags
5	(5)	BITSTRING	1	XSSPPFL1	First byte of flags
		1... ..		XSSPNOMS	"BIT0" No error or diagnostic messages to be issued
		.1.. ..		XSSPDCS	"BIT1" Data characteristics have been supplied
		.1.		XSSPBIT64	"BIT2" BLSRESSY structures should be returned in ABITS(64) format
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	XSSPMODN	Name of module requesting the service
16	(10)	ADDRESS	4	XSSPESR	Address of Equate Symbol record being processed
20	(14)	ADDRESS	4	XSSPBUF	Pointer to user buffer to contain accessed storage
24	(18)	ADDRESS	4		Reserved pointer
28	(1C)	ADDRESS	2	XSSPCODE	Function code bytes
28	(1C)	X'1'	0	XSSPEQU	"1,2,C'Y'" Store Equate Symbol record
28	(1C)	X'2'	0	XSSPGET	"2,2,C'Y'" Get Equate Symbol record for symbol passed
28	(1C)	X'3'	0	XSSPACC	"3,2,C'Y'" Access storage described by Equate Symbol record
28	(1C)	X'4'	0	XSSPACCN	"4,2,C'Y'" Resolve symbol definition and access storage
28	(1C)	X'5'	0	XSSPVAL	"5,2,C'Y'" Validity check storage
28	(1C)	X'6'	0	XSSPACTV	"6,2,C'Y'" Check for active task
28	(1C)	X'7'	0	XSSPACCV	"7,2,C'Y'" Validity check and access stg.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	X'8'	0	XSSPBASE	"8,2,C'Y'" Initialize BLSRESSY base
28	(1C)	X'9'	0	XSSPSTACK	"9,2,C'Y'" STACK
28	(1C)	X'A'	0	XSSPGETR	"10,2,C'Y'" GET relative
30	(1E)	ADDRESS	1	XSSPGRQ	GET relative qualifier
30	(1E)	X'0'	0	XSSPGRQ0	"0,1,C'Y'" Get relative - same symbol
30	(1E)	X'1'	0	XSSPGRQ1	"1,1,C'Y'" Get relative - 1st symbol
30	(1E)	X'2'	0	XSSPGRQ9	"2,1,C'Y'" Get relative - last symbol
30	(1E)	X'3'	0	XSSPGRQN	"3,1,C'Y'" Get relative - next symbol
30	(1E)	X'4'	0	XSSPGRQF	"4,1,C'Y'" Get relative - same or next
30	(1E)	X'5'	0	XSSPGRQP	"5,1,C'Y'" Get relative - previous symbol
30	(1E)	X'6'	0	XSSPGRQB	"6,1,C'Y'" Get relative - same or previous
31	(1F)	BITSTRING	33	XSSPRV2	Reserved
64	(40)	CHARACTER	1	XSSP999 (0)	End BLSRXSSP #MD08017

BLSRXSSP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
XSSP	0	
XSSPACC	1C	3
XSSPACCN	1C	4
XSSPACCV	1C	7
XSSPACTV	1C	6
XSSPBASE	1C	8
XSSPBIT64	5	20
XSSPBUF	14	
XSSPCODE	1C	0
XSSPDCS	5	40
XSSPEQU	1C	1
XSSPESR	10	
XSSPGET	1C	2
XSSPGETR	1C	A
XSSPGRQ	1E	0
XSSPGRQB	1E	6
XSSPGRQF	1E	4
XSSPGRQN	1E	3
XSSPGRQP	1E	5
XSSPGRQ0	1E	0
XSSPGRQ1	1E	1
XSSPGRQ9	1E	2
XSSPID	0	
XSSPIDC	0	E7E2E2D7
XSSPIDL	4	F1
XSSPMODN	8	40404040
XSSPNOMS	5	80
XSSPPFLG	5	
XSSPPFL1	5	0
XSSPRV2	1F	0
XSSPSTACK	1C	9
XSSPVAL	1C	5
XSSP000	0	
XSSP999	40	

BLSUPPR2 Information

BLSUPPR2 Programming Interface information

Programming Interface information

BLSUPPR2

End of Programming Interface information

BLSUPPR2 Heading Information • BLSUPPR2 Map

BLSUPPR2 Heading Information

Common Name: Expanded Print Parameter List
Macro ID: BLSUPPR2
DSECT Name: Dynamic, supplied by user as BLSUPPR2 macro parm
Owning Component: IPCS (SC132)
Eye-Catcher ID: PPR2
 Offset: 0
 Length: 4
Storage Attributes: Subpool: N/A
 Key: 8 (IPCS), 0 (SNAP)
 Data Space: No
 Residency: LOC(ANY)
Size: 56 bytes
Created by: Invokers of IPCS expanded print service
Pointed to by: N/A
Serialization: N/A
Function: Describe the type of printing function to perform.

BLSUPPR2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PPR2	, IPCS print parameter list
0	(0)	CHARACTER	1	PPR2000 (0)	Begin BLSUPPR2 #MD85283

Comment

 A print service parameter list (PPR2) defines the print options desired for the data in the print buffer.

End of Comment

0	(0)	CHARACTER	5	PPR2ID (0)	Control block identifier
0	(0)	CHARACTER	4	PPR2IDC	Control block acronym
4	(4)	CHARACTER	1	PPR2IDL	Control block level indicator
5	(5)	BITSTRING	3	PPR2PFLG (0)	Processing flags
5	(5)	BITSTRING	1	PPR2PFL1	First byte of flags
		1...		PPR2CNH	"BIT0" Conditional header request
		.1.		PPR2OCOL	"BIT1" Offset column by ADPLSCOL
		..1.		PPR2CCNH	"BIT2" Cancel conditional header request
		...1		PPR2TRUN	"BIT3" Truncate output to 1 line
		.... 1...		PPR2MSG	"BIT4" Print buffer contains a message
		.... .1.		PPR2EJEC	"BIT5" Cause page eject
		.... ..1.		PPR2NL	"BIT6" Treat X'15' as New Line request
		.... ...1		PPR2TERM	"BIT7" Only send output to the terminal
6	(6)	BITSTRING	1	PPR2PFL2	Second byte of flags
		1...		PPR2PLW	"BIT0" Use print file line width
7	(7)	BITSTRING	1		Reserved
8	(8)	ADDRESS	4	PPR2BUF	Address of buffer containing the data to be printed
12	(C)	SIGNED	4	PPR2BUFL	Length of data in the buffer to be printed
16	(10)	SIGNED	2	PPR2OVIN	Overflow indentation level
18	(12)	CHARACTER	8	PPR2TOKN	Token for identifying a conditional header
26	(1A)	CHARACTER	8	PPR2MODN	Name of module requesting the service
34	(22)	BITSTRING	22		Reserved
56	(38)	CHARACTER	1	PPR2999 (0)	End BLSUPPR2 #MD85283

BLSUPPR2 Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
PPR2	0	
PPR2BUF	8	
PPR2BUFL	C	0
PPR2CCNH	5	20
PPR2CNH	5	80
PPR2EJEC	5	4
PPR2ID	0	
PPR2IDC	0	D7D7D9F2
PPR2IDL	4	F1
PPR2MODN	1A	40404040
PPR2MSG	5	8
PPR2NL	5	2
PPR2OCOL	5	40
PPR2OVIN	10	2
PPR2PFLG	5	
PPR2PFL1	5	0
PPR2PFL2	6	0
PPR2PLW	6	80
PPR2TERM	5	1
PPR2TOKN	12	40404040
PPR2TRUN	5	10
PPR2000	0	
PPR2999	38	

BPXYOSMF Information

BPXYOSMF Programming Interface information

Programming Interface information

BPXYOSMF

End of Programming Interface information

BPXYOSMF Heading Information • BPXYOSMF Map

BPXYOSMF Heading Information

Common Name: OpenMVS SMF Job/Step Accounting data mapping
Macro ID: BPXYOSMF
DSECT Name: OSMF
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: OSMF
 Offset: 0
 Length: 4
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: OSMF#LENGTH
Created by: Storage obtained by caller of BPXESMF
Pointed to by: OsmfPtr
Serialization: N/A
Function: The OSMF maps the structure returned by executable macro, BPXESMF. This macro collects OpenMVS process accounting data for the current address space.
 Note: SMF recording must be active for Type 30 records in order for some of these values to be accumulated.

BPXYOSMF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	OSMF	,
0	(0)	CHARACTER	4	OSMFID	EBCDIC ID - OSMF
4	(4)	SIGNED	1	OSMFVERSION	Version of System SMF
5	(5)	SIGNED	3	OSMFLENGTH	Length used by System SMF
8	(8)	CHARACTER	28	OSMFUSERID (0)	
8	(8)	SIGNED	4	OSMFRUID	OpenMVS real user ID number
12	(C)	SIGNED	4	OSMFRGID	OpenMVS real group ID number
16	(10)	SIGNED	4	OSMFPROCESSID	OpenMVS process ID number
20	(14)	SIGNED	4	OSMFPROCGRPID	OpenMVS process group ID number
24	(18)	SIGNED	4	OSMFSESSIONID	OpenMVS session ID number
28	(1C)	SIGNED	4	OSMFPARENTPID	OpenMVS parent process ID number
32	(20)	CHARACTER	4		Reserved
36	(24)	CHARACTER	20	OSMFKERNEL (0)	
36	(24)	BITSTRING	8	OSMFSYSTIME	Total CPU time spent in OpenMVS kernel (TOD clock format)
44	(2C)	SIGNED	4	OSMFSYSCALLCOUNT	Total OpenMVS callable services. This includes callable services done internally by the kernel. It does not include all trivial callable services.
48	(30)	CHARACTER	8		Reserved
56	(38)	CHARACTER	56	OSMFFILESYS (0)	
56	(38)	SIGNED	4	OSMFDIRR	Directory read I/O blocks
60	(3C)	SIGNED	4	OSMFASTDR	Standard file read I/O blocks
64	(40)	SIGNED	4	OSMFSTDW	Standard file write I/O blocks
68	(44)	SIGNED	4	OSMFCHRSR	Reserved.
72	(48)	SIGNED	4	OSMFCHRWS	Reserved.
76	(4C)	SIGNED	4	OSMFPIPER	Pipe and AF_UNIX read I/O blocks
80	(50)	SIGNED	4	OSMFPIPEW	Pipe and AF_UNIX write I/O blocks
84	(54)	SIGNED	4	OSMFLKLF	Path name lookup calls to logical file system lookup routine
88	(58)	SIGNED	4	OSMFLKPF	Path name lookup calls to physical file system lookup routine
92	(5C)	SIGNED	4	OSMFGNPLF	Path name generation calls to logical file system
96	(60)	SIGNED	4	OSMFGNPPF	Path name generation calls to physical file system lookup routine
100	(64)	SIGNED	4	OSMFSCKR	Reserved.
104	(68)	SIGNED	4	OSMFSCKW	Reserved.
108	(6C)	CHARACTER	4		reserved VERSION 1
112	(70)	CHARACTER	16	OSMFEXECpname	Exec'ed program name
128	(80)	CHARACTER	4		reserved VERSION 2
132	(84)	SIGNED	4	OSMFMSQSEND	Reserved.
136	(88)	SIGNED	4	OSMFMSQRCV	Reserved.
140	(8C)	SIGNED	4	OSMFSYNCCOUNT	# calls to sync() VERSION 3
140	(8C)	X'E2D4C6'	0	OSMF#ID	"C:OSMF"
140	(8C)	X'3'	0	OSMF#VERSION	"3" Current Version of OSMF
140	(8C)	X'90'	0	OSMF#LENGTH	""-OSMF" Length of OSMF

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

BPXYOSMF Cross Reference

Name	Hex Offset	Hex Value
OSMF	0	
OSMF#ID	8C	E2D4C6
OSMF#LENGTH	8C	90
OSMF#VERSION	8C	3
OSMFCHRSR	44	
OSMFCHRSW	48	
OSMFDIRR	38	
OSMFEXECPCNAME		
	70	
OSMFFILESYS	38	
OSMFGNPLFS	5C	
OSMFGNPPFS	60	
OSMFID	0	
OSMFKERNEL	24	
OSMFLENGTH	5	
OSMFLKLF	54	
OSMFLKPFS	58	
OSMFMSQRCV	88	
OSMFMSQSEND	84	
OSMFPARENTPID		
	1C	
OSMFPIPER	4C	
OSMFPIPEW	50	
OSMFPROCESSID		
	10	
OSMFPROCGRPID		
	14	
OSMFRGID	C	
OSMFRUID	8	
OSMFSCKR	64	
OSMFSCKW	68	
OSMFSESSIONID		
	18	
OSMFSTDR	3C	
OSMFSTDW	40	
OSMFSYNCCOUNT		
	8C	
OSMFSYSCALLCOUNT		
	2C	
OSMFSYSTIME	24	
OSMFUSERID	8	
OSMFVERSION	4	

BPXYPEDB Information

BPXYPEDB Programming Interface information

Programming Interface information

BPXYPEDB

End of Programming Interface information

BPXYPEDB Heading Information • BPXYPEDB Map

BPXYPEDB Heading Information

Common Name: Mapping of the Process Exit Data Block
Macro ID: BPXYPEDB
DSECT Name: PEDB
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: PEDB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: N/A
 Key: 0 or 8
 Residency: Autodata of modules used
Size: PEDB#LEN
 PEDB -- 'X'019C' bytes
Created by: N/A
Pointed to by: PEDBPtr
Serialization: N/A
Function: Mapping of the Process Exit Data Block which is input to the following exits:
 BPX_PREPROC_INIT - pre-process initialization
 BPX_POSPROC_INIT - post process initialization
 BPX_IMAGE_INIT - process image change
 BPX_PREPROC_TERM - pre-process termination

BPXYPEDB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PEDB	PEDB - Process Exit Data Block
0	(0)	CHARACTER	4	PEDBEYE	Eye catcher - 'PEDB'
4	(4)	SIGNED	2	PEDBLENGTH	Length of structure
6	(6)	SIGNED	1	PEDBVERSION	Version number
7	(7)	SIGNED	1	PEDBEXITPOINTID	
8	(8)	SIGNED	4	PEDBFLAGS (0)	Unique value identifying exit point, these constants are defined below Flags
8	(8)	CHARACTER	1	PEDBCREATEDVIAFLAGS (0)	
		1...		PEDBVIAFORK	Bits indicating what the process is being created via "X'80" On = process is being created via fork()
		.1.		PEDBVIASPAWN	"X'40" On = process is being created via spawn()
		..1.		PEDBVIAATTEEXEC	
		...1		PEDBVIAATTEEXECMVS	"X'20" On = process is being created via attach_exec()
		.... 1...		PEDBVIA1STCALLABLE	"X'10" On = process is being created via attach_execmvs()
					"X'08" On = process is being created via the 1st callable service from a non-USS address space
9	(9)	CHARACTER	1	PEDBFLAGS2 (0)	2nd flag byte
		1...		PEDBVIAMEMTERM	
		.1.		PEDBVIAABTERM	"X'80" On = process is being terminated via memterm
					"X'40" On = process is being terminated via abterm
10	(A)	CHARACTER	1	PEDBFLAGS3	3rd flag byte
11	(B)	CHARACTER	1	PEDBFLAGS4	4th flag byte
12	(C)	BITSTRING	8	PEDBUNIQUEID	A Unique Id identifying this process's set of exits. This Id is the same starting at the pre-process initialization exit all the way to the pre-process term exit. It also happens to be TOD when the pre-process initialization exit was called.

Comment

Information specific to Initiator of the new process (creator) This section is filled out ONLY when the following exits hit: BPX_PREPROC_INIT - pre-process initialization
 BPX_POSPROC_INIT - post process initialization
 BPX_IMAGE_INIT - process image change This section is NOT filled out by the following exits: BPX_PREPROC_TERM - pre-process termination

End of Comment

20	(14)	CHARACTER	164	PEDBCREATORINFO (0)	
20	(14)	SIGNED	4	PEDBCREATORPROCID	Process ID initiating New process
24	(18)	SIGNED	2	PEDBCREATORASID	ASID of initiating new process

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
26	(1A)	SIGNED	1	PEDBCREATORUSERIDLEN	Length of the Userid initiating the new process
27	(1B)	SIGNED	1	PEDBCREATORALIASLEN	Length of the Alias initiating the new process
28	(1C)	SIGNED	2	PEDBCREATORPROGNAMELEN	Length of the Program Name initiating new process
30	(1E)	SIGNED	2		Reserved
32	(20)	CHARACTER	8	PEDBCREATORJOBNAME	Jobname initiating the new process
40	(28)	CHARACTER	8	PEDBCREATORUSERID	Userid initiating the new process
48	(30)	CHARACTER	8	PEDBCREATORALIAS	Alias initiating the new process
56	(38)	CHARACTER	128	PEDBCREATORPROGNAME	Program Name of the initiating new process

Comment

New Process / Terminating Process Information (child) This section is filled out ONLY when the following exits hit:
 BPX_POSPROC_INIT - post process initialization
 BPX_IMAGE_INIT - process image change BPX_PREPROC_TERM - pre-process termination This section is NOT filled out by the following exits: BPX_PREPROC_INIT - pre-process initialization

End of Comment

184	(B8)	CHARACTER	164	PEDBNEWINFO (0)	
184	(B8)	CHARACTER	164	PEDBTERMINFO (0)	
184	(B8)	SIGNED	4	PEDBNEWPROCID (0)	Process ID of New process
184	(B8)	SIGNED	4	PEDBTERMPROCID	Process ID for the terminating process
188	(BC)	SIGNED	2	PEDBNEWASID (0)	ASID of new process
188	(BC)	SIGNED	2	PEDBTERMASID	ASID of the terminating process
190	(BE)	SIGNED	1	PEDBNEWUSERIDLEN (0)	Length of the Userid of the new process
190	(BE)	SIGNED	1	PEDBTERMUSERIDLEN	Length of the Userid of the terminating process
191	(BF)	SIGNED	1	PEDBNEWALIASLEN (0)	Length of the Alias of the new process
191	(BF)	SIGNED	1	PEDBTERMALIASLEN	Length of the Alias of the terminating process
192	(C0)	SIGNED	2	PEDBNEWPROGNAMELEN (0)	Length of the Program Name of the new process
192	(C0)	SIGNED	2	PEDBTERMPROGNAMELEN	Length of Program Name of the terminating process
194	(C2)	SIGNED	2		Reserved
196	(C4)	CHARACTER	8	PEDBNEWJOBNAME (0)	Jobname of new process
196	(C4)	CHARACTER	8	PEDBTERMJOBNAME	Jobname of terminating process
204	(CC)	CHARACTER	8	PEDBNEWUSERID (0)	Userid of the new process
204	(CC)	CHARACTER	8	PEDBTERMUSERID	Userid of the terminating process
212	(D4)	CHARACTER	8	PEDBNEWALIAS (0)	Alias of the new process
212	(D4)	CHARACTER	8	PEDBTERMALIAS	Alias of the terminating process
220	(DC)	CHARACTER	128	PEDBNEWPROGNAME (0)	Program Name of the new process
220	(DC)	CHARACTER	128	PEDBTERMPROGNAME	Program Name of the terminating process

BPXYPEDB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
348	(15C)	CHARACTER	64		Reserved for future use
412	(19C)	CHARACTER	1	PEDBVER1LEN	End of Version 1
412	(19C)	X'C5C4C2'	0	PEDB#ID	"C'PEDB" Eye catcher
412	(19C)	X'1'	0	PEDB#VER	"1" Current version of this control block
412	(19C)	X'1'	0	PEDB#VER01	"1" Version 1 of control block
412	(19C)	X'19C'	0	PEDB#LEN01	"412" Version 1 of PEDB control block len
412	(19C)	X'19C'	0	PEDB#LEN	"412" Length of PEDB

Comment

Constants to fill in PEDBExitPointId field

End of Comment

412	(19C)	X'1'	0	PEDB_BPX_PREPROC_INIT	"1" Identifies that this this structure was built for the pre-process initiation exit
412	(19C)	X'2'	0	PEDB_BPX_POSPROC_INIT	"2" Identifies that this this structure was built for the post process initiation exit
412	(19C)	X'3'	0	PEDB_BPX_IMAGE_INIT	"3" Identifies that this this structure was built for the process image change exit
412	(19C)	X'4'	0	PEDB_BPX_PREPROC_TERM	"4" Identifies that this this structure was built for the pre-process termination
412	(19C)	X'19C'	0	PEDB_LEN	**-.PEDB"

BPXYPEDB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PEDB	0		PEDBNEWALIAS	D4	
PEDB_BPX_IMAGE_INIT	19C	3	PEDBNEWALIASLEN	BF	
PEDB_BPX_POSPROC_INIT	19C	2	PEDBNEWASID	BC	
PEDB_BPX_PREPROC_INIT	19C	1	PEDBNEWINFO	B8	
PEDB_BPX_PREPROC_TERM	19C	4	PEDBNEWJOBNAME	C4	
PEDB_LEN	19C	19C	PEDBNEWPROCID	B8	
PEDB#ID	19C	C5C4C2	PEDBNEWPROGNAME	DC	
PEDB#LEN	19C	19C	PEDBNEWPROGNAMELEN	C0	
PEDB#LEN01	19C	19C	PEDBNEWUSERID	CC	
PEDB#VER	19C	1	PEDBNEWUSERIDLEN	BE	
PEDB#VER01	19C	1	PEDBTERMALIAS	D4	
PEDBCREATEDVIAFLAGS	8		PEDBTERMALIASLEN	BF	
PEDBCREATORALIAS	30		PEDBTERMASID	BC	
PEDBCREATORALIASLEN	1B		PEDBTERMINFO	B8	
PEDBCREATORASID	18		PEDBTERMJOBNAME	C4	
PEDBCREATORINFO	14		PEDBTERMPROCID	B8	
PEDBCREATORJOBNAME	20		PEDBTERMPROGNAME	DC	
PEDBCREATORPROCID	14		PEDBTERMPROGNAMELEN	C0	
PEDBCREATORPROGNAME	38		PEDBTERMUSERID	CC	
PEDBCREATORPROGNAMELEN	1C		PEDBTERMUSERIDLEN	BE	
PEDBCREATORUSERID	28		PEDBUNIQUEID	C	
PEDBCREATORUSERIDLEN	1A		PEDBVERSION	6	
PEDBEXITPOINTID	7		PEDBVER1LEN	19C	
PEDBEYE	0		PEDBVIAABTERM	9	40
PEDBFLAGS	8		PEDBVIAATTEEXEC	8	20
PEDBFLAGS2	9		PEDBVIAATTEEXECMVS	8	10
PEDBFLAGS3	A		PEDBVIAAFORK	8	80
PEDBFLAGS4	B				
PEDBLENGTH	4				

Name	Hex Offset	Hex Value
PEDBVIAMEMTERM	9	80
PEDBVIASPAWN	8	40
PEDBVI1STCALLABLE	8	8

BPXZOAPB Information

BPXZOAPB Programming Interface information

Programming Interface information

BPXZOAPB

ONLY the following fields are part of the programming interface information:

- OapbDefaultGroupid
- OapbDefaultGroupidLen
- OapbDefaultUserid
- OapbDefaultUseridLen

End of Programming Interface information

BPXZOAPB Heading Information • BPXZOAPB Cross Reference

BPXZOAPB Heading Information

Common Name: OpenMVS address space per-process extension
Macro ID: BPXZOAPB
DSECT Name: N/A
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: OAPB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 241
 Key: 0, non fetch protected
 Residency: ECSA
Size: Release dependent. Refer to the mapping.
 OAPB -- X'01B0' bytes
Created by: OpenMVS Process Initialization (BPXPRIN1)
Pointed to by: 1) OtcbOapb, PprpOapb
Serialization: N/A
Function: This maps the OpenMVS extension to the ASSB.

BPXZOAPB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	OAPB	
0	(0)	CHARACTER	256	OAPB1	
Comment					
Flag byte 1 of OapbFlags					
End of Comment					
256	(100)	CHARACTER	20	OAPB2	
256	(100)	BITSTRING	1	OAPBDEFAULTUSERIDLEN	Length of default userid
257	(101)	CHARACTER	8	OAPBDEFAULTUSERID	Default userid
265	(109)	BITSTRING	1	OAPBDEFAULTGROUPLLEN	Length default groupid
266	(10A)	CHARACTER	8	OAPBDEFAULTGROUPLD	Default groupid
274	(112)	CHARACTER	2		reserved
276	(114)	CHARACTER	156	OAPB3	
276	(114)	X'1B0'	0	OAPB_LEN	**-OAPB"

BPXZOAPB Cross Reference

Name	Hex Offset	Hex Value
OAPB	0	
OAPB_LEN	114	1B0
OAPBDEFAULTGROUPLD	10A	
OAPBDEFAULTGROUPLLEN	109	
OAPBDEFAULTUSERID	101	
OAPBDEFAULTUSERIDLEN	100	
OAPB1	0	
OAPB2	100	
OAPB3	114	

BPXZODMV Information

BPXZODMV Programming Interface information

Programming Interface information

BPXZODMV

End of Programming Interface information

BPXZODMV Heading Information • BPXZODMV Map

BPXZODMV Heading Information

Common Name: OpenMVS Display Command Interface
Macro ID: BPXZODMV
DSECT Name: BPXZODMV
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: ODMV
 Offset: 0
 Length: 4
Storage Attributes: Residency: Data Space
Size: Release dependent. Refer to the mapping.
 ODMVPIPEUIDHDR -- X'0010' bytes
 ODMVPIPEUIDELEMNT -- X'0010' bytes
 ODMVPIPESUMHDR -- X'0010' bytes
 ODMVPIPESUMELEMNT -- X'0010' bytes
 ODMVSOCKET -- X'0090' bytes
 ODMVDYNSEV -- X'0014' bytes
 ODMVDYNACT -- X'0070' bytes
 ODMVDYNACTITEM -- X'0008' bytes
 ODMVMFHEADER -- X'001C' bytes
 ODMVMFENTRY -- X'00F0' bytes
 ODMVIPV6 -- X'0010' bytes
 ODMVCINET6 -- X'0044' bytes
 ODMVDWHEADER -- X'003C' bytes
 ODMVDWELEMENT -- X'01EC' bytes
 ODMVSEHADR -- X'000C' bytes
 ODMVSEROBJ -- X'0028' bytes
 ODMVSEREQ -- X'001C' bytes
 ODMVEXTPTIONSDATA -- X'0070' bytes
 ODMVSYSL -- X'0094' bytes
 ODMVPRCL -- X'00AC' bytes
 ODMV -- X'0060' bytes
 ODMVOUT -- X'0670' bytes
 ODMVOUTARRAY -- X'0004' bytes
 ODMVTHDARRAY -- X'0004' bytes
 ODMVFILE -- X'02A8' bytes
 ODMVPROCESS -- X'00AC' bytes
 ODMVTHREADS -- X'00AC' bytes
 ODMVPFS -- X'01C8' bytes
 ODMVCINET -- X'0044' bytes
 ODMVUMTBHDR -- X'0008' bytes
 ODMVUMTBEMNT -- X'0008' bytes
Created by: Display OMVS Command (BPXOMAST)
Pointed to by: Pointer passed as input parameter.
Serialization: None
Function: This file contains the mapping of the DISPLAY OMVS interface between BPXOMAST, BPXAMRMF and BPXODMVS

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMV	
0	(0)	CHARACTER	4	ODMVID	EBCDIC ID - ODMV
4	(4)	ADDRESS	4	ODMVOUTPTR	Address of Output area ODMVOUT
Comment					
Input parm area supplied to BPXEKDA					
End of Comment					
8	(8)	CHARACTER	88	ODMVINPUTPARMS	Input parameters
8	(8)	BITSTRING	4	ODMVINFLAGS	Input Flags (Non-mutually exclusive)
8	(8)	BITSTRING	1	ODMVINBYTE1	
Comment					
Bit definitions:					
End of Comment					
	1...	....		ODMVSUMMARY	"X'80" Summary specified or defaulted
	.1..	....		ODMVBRLS	"X'40" Byte Range Lock Wait for

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Process. Only processed when OdmvPIDs=On					
End of Comment					
		..1.		ODMVRESETSLSHW	"X'20" Reset Highwatermark of System before gathering limit data
		...1		ODMVSERVER	"X'10" VSERVER Specified
		.... 1..		ODMVOWNER	"X'08" D OMVS,F,OWNER= @PEM
		.... .1..		ODMVTYPE	"X'04" D OMVS,F,TYPE= @PEM
		.... ..1.		ODMVNAME	"X'02" D OMVS,F,NAME= @PEM
		.... ...1		ODMVEXCEPTION	"X'01" D OMVS,F,EXCEPTION @PEM
9	(9)	BITSTRING	1	ODMVINBYTE2	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVWLATCHES	"X'80" D OMVS,W,LATCHES @PEM
		.1.		ODMVMESSAGES	"X'40" D OMVS,W,MESSAGES @PEM
		..1.		ODMVWOTHER	"X'20" D OMVS,W,OTHER @PEM
		...1		ODMVWAGE	"X'10" D OMVS,W,AGE @PEM
		.... 1..		ODMVWSPECIAL	"X'08" D OMVS,W,SPECIAL @PEM
		.... .1..		ODMVFSUID	"X'04" D OMVS,F,UID=
		.... ..1.		ODMVPIPESRESET	"X'02" Reset Pipe HIGHWATER USER info
Comment					
OdmvInFlagsM contains mutually exclusive flags. Specifying more than one is an error. BPXEKDA validates that only one flag is specified. BPXOMAST does not validate this.					
End of Comment					
12	(C)	BITSTRING	4	ODMVINFLAGSM	Mutually Exclusive Input Flags
12	(C)	BITSTRING	1	ODMVINBYTEM1	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVFILES	"X'80" FILE operand specified
		.1.		ODMVASIDALLS	"X'40" ASID=ALL or VSERVER specified
		..1.		ODMVASIDS	"X'20" ASID specified and not ALL
		...1		ODMVUS	"X'10" User Name specified
		.... 1..		ODMVSTORAGE	"X'08" STORAGE specified
		.... .1..		ODMVOPTIONS	"X'04" OPTIONS specified
		.... ..1.		ODMVPIDS	"X'02" PID specified
		.... ...1		ODMVPFSBIT	"X'01" PFS operand specified
13	(D)	BITSTRING	1	ODMVINBYTEM2	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVCINETALL	"X'80" CINET=ALL specified
		.1.		ODMVCINETTP	"X'40" CINET=tpname specified
		..1.		ODMVLIMITS	"X'20" LIMITS specified. Gathers
Comment					
System or Process Limit Data. PID is set in OdmvPidParm then Process Limits are returned, else Systeem Limits.					
End of Comment					
		...1		ODMVSER	"X'10" SER specified. Gathers USS Serialization data

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		ODMVSHORTMF	"X'08" MF specified
		.... .1..		ODMVALLMF	"X'04" MF=ALL specified
		.... .1..		ODMVPURGEMF	"X'02" MF=PURGE specified
		.... ...1		ODMVACTSERV	"X'01" ACTIVATE=SERVICE
14	(E)	BITSTRING	1	ODMVINBYTEM3	

Comment

Bit definitions:

End of Comment

		1...		ODMVSOCKETS	"X'80" SOCKETS specified
		.1..		ODMVWAITERS	"X'40" D OMVS,WAITERS
		..1.		ODMVUSRMT	"X'20" D OMVS,USERMOUNTS
		...1		ODMVPIPES	"X'10" D OMVS,PIPES
		.... 1...		ODMVPIPESALL	"X'08" D OmVS,PIPES,ALL
		.... .1..		ODMVPIPEUID	"X'04" D OMVS,PIPES,UID=
		.... .1..		ODMVADUBWS	"X'02" D OMVS,ASID=DUBW
		.... ...1		ODMVSTORAGERESET	"X'01" D OMVS,STORAGE,RESET
15	(F)	BITSTRING	1	ODMVINBYTEM4	
16	(10)	SIGNED	4	ODMVPIDPARM	PID valid when OdmvPIDs=On
20	(14)	SIGNED	2	ODMVASIDPARM	ASID valid when OdmvASIDs=On
22	(16)	CHARACTER	8	ODMVUPARM	User name valid when OdmvUd=On or sysname when OdmvOwner or type when OdmvType
30	(1E)	CHARACTER	8	ODMVCINETTPNAME	When OdmvCinetTP, this field holds tpname
38	(26)	CHARACTER	44	ODMVUPARM2	Filename valid when OdmvName is given
82	(52)	CHARACTER	2		Available
84	(54)	SIGNED	4	ODMVUIDPARM	UID value when OdmvFSuid=on | OdmvPipeUid=ON
88	(58)	CHARACTER	8	ODMVRESERVED1	Reserved @EEC
96	(60)	CHARACTER	1	ODMVINPUTEND	End of Input Block
				(0)	
96	(60)	X'60'	0	ODMV_LEN	"*-ODMV"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVOUT	
0	(0)	SIGNED	4	ODMVVERNUM	Version Number of Output Area
4	(4)	CHARACTER	52	ODMVSUMMARYDATA	Summary data returned on all invocations
4	(4)	CHARACTER	8	ODMVOMVSPROC	OMVS Procedure name
12	(C)	SIGNED	4	ODMVGEN01	
12	(C)	SIGNED	2	ODMVGEN02	
14	(E)	SIGNED	2	ODMVKERNELASID	Kernel's address space
16	(10)	CHARACTER	40	ODMVPARMMEMLIST	List of OMVS Parmlib member suffixes (XX,YY,ZZ,..)
56	(38)	CHARACTER	1060	ODMVOPTIONSDATA	Options data returned for OdmvOptions
56	(38)	SIGNED	4	ODMVMAXPROCSYS	Max processes on system
60	(3C)	SIGNED	4	ODMVCHILDMAX	Max processes per User ID
64	(40)	SIGNED	4	ODMVMAXFILEPROC	Max number of allocated files for a single process
68	(44)	SIGNED	4	ODMVMAXFILESIZE	Max file size
72	(48)	SIGNED	4	ODMVMAXCPU TIME	Max CPU time
76	(4C)	SIGNED	4	ODMVMAXUSERS	Max number of users on system
80	(50)	SIGNED	4	ODMVMAXRTYS	Max number of remote-terminal sessions
84	(54)	SIGNED	4	ODMVMAXPTYS	Max number of pseudo-terminal sessions
88	(58)	SIGNED	4	ODMVMAXMMAPAREA	Max size of Memory Map Area in PAGES
92	(5C)	SIGNED	4	ODMVMAXASSIZE	Max address space size
96	(60)	SIGNED	4	ODMVMAXTHREADS	Max # of Threads
100	(64)	SIGNED	4	ODMVMAXTHREADTASKS	Max number of tasks running Pthreads per process
104	(68)	SIGNED	4	ODMVMAXCORESIZ	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
108	(6C)	SIGNED	4	ODMVMAXSHRPAGES	Max core size
112	(70)	SIGNED	4	ODMVMAXMSGNIDS	Maximum number of pages that can be in a shared relationship in the system
116	(74)	SIGNED	4	ODMVMAXMSGQBYTES	Max system message queue IDs
120	(78)	SIGNED	4	ODMVMAXMSGQMNUM	Max bytes per message queue
124	(7C)	SIGNED	4	ODMVMAXSHMNIDS	Max messages per queue
128	(80)	SIGNED	4	ODMVMAXSHMSPAGES	Max system shared memory IDs
132	(84)	SIGNED	4	ODMVMAXSHMMPAGES	Max system shared memory pages for all segments
136	(88)	SIGNED	4	ODMVMAXSHMNSEGS	Max shared memory pages per segment
140	(8C)	SIGNED	4	ODMVMAXSEMSEMS	Max shared memory segments per process
144	(90)	SIGNED	4	ODMVMAXSEMSEMS	Max system semaphore IDs
148	(94)	SIGNED	4	ODMVMAXSEMSEMS	Max number of semaphores per semaphore set
152	(98)	CHARACTER	8	ODMVSUPERUSER	Max number of operations per BPX1SOP (SEMOP) call
160	(A0)	BITSTRING	1	ODMVSTEPLIBLISTLEN	SuperUser
161	(A1)	CHARACTER	255	ODMVSTEPLIBLIST	Length of STEPLIB name
416	(1A0)	BITSTRING	1	ODMVSETPPGCNT	Name of STEPLIB dataset
417	(1A1)	BITSTRING	1	ODMVSETPGOALCNT	Priority PG count
418	(1A2)	BITSTRING	1	ODMVUSERIDTABLELEN	Priority Goal count
419	(1A3)	CHARACTER	2	ODMVRESERVED02	Length of table name
421	(1A5)	CHARACTER	255	ODMVUSERIDTABLE	Reserved
676	(2A4)	SIGNED	2	ODMVPRIORITYPG	Name of Userid table
756	(2F4)	CHARACTER	4	ODMVRESERVED10	performance group numbers for compatibility mode 40 possible entries
760	(2F8)	CHARACTER	1	ODMVGEN04 (0)	Reserved
760	(2F8)	CHARACTER	8	ODMVPRIORITYGOAL	Ensure array on DWD
1080	(438)	CHARACTER	4	ODMVRESERVED09	service classes for goal mode 40 possible entries
1084	(43C)	CHARACTER	8	ODMVTTYGROUP	Reserved
1092	(444)	SIGNED	4	ODMVMAXQUEUEDSIGS	TTY Group name
1096	(448)	SIGNED	4	ODMVSHRLIBRGNISIZE	MaxQueuedSigs from Optn
1100	(44C)	SIGNED	4	ODMVSHRLIBMAXPAGES	ShrLibRgnSize from Optn
1104	(450)	CHARACTER	8	ODMVVERSION	ShrLibMaxPages from Optn
1112	(458)	SIGNED	4	ODMVFLAGWORD01	OS/390 Version String
1112	(458)	BITSTRING	1	ODMVFLAGBYTE01	Flag word

Comment

Bit definitions:

End of Comment

1...	ODMVFORKCOPY	"X'80" ON = Copy parent data to child at the time of fork, OFF= Use Copy-on-Write for parent data (Default)
.1..	ODMVSYSCALL_COUNTS	"X'40" ON = counts being traced OFF= counts not being done
..1.	ODMVSYSPLEX	"X'20" ON= IPLed sysplex = Y OFF= local system
...1	ODMVSETPEXIST	"X'10" If SETP was created
.... 1...	ODMVLIMMSGSYS	"X'08" Level of warning messages for

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		ODMVLIMMSGPROC	"X'04" reached limits. Can be SYS=OFF PROC=OFF is NONE SYS=ON PROC=OFF is SYSTEM SYS=ON PROC=ON is ALL
		.... ..1.		ODMVAUTOCVT	"X'02" AutoCvt On or Off
		.... ...1		ODMVSWAABOVE	"X'01" SWA above if on
1113	(459)	BITSTRING	1	ODMVFLAGBYTE02	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVMAXCORESIZEBIN	"X'80" MaxCoreSize type On = BinMult, Off = Bin
		.1.		ODMVALTROOT	"X'40" ALTROOT Active=mounted
		..1.		ODMVUMTBUILT	"X'20" On = Nonprivileged user mounts table built successfully
		...1		ODMVLOSTMSG	"X'10" LostMsg On or Off
		.... 1...		ODMVAUTOCVTALL	"X'08" AutoCvt All
1116	(45C)	CHARACTER	100	ODMVSECONDARYDATA	Secondary Output Data
1116	(45C)	SIGNED	4	ODMVOUTARRAYSIZE	Number of entries in secondary output data pointer array
1120	(460)	ADDRESS	4	ODMVOUTARRAYPTR	Address of output data pointer array
1124	(464)	SIGNED	4	ODMVTHDARRAYSIZE	Number of entries in output thread data pointer array
1128	(468)	ADDRESS	4	ODMVTHDARRAYPTR	Address of thread data pointer array
1132	(46C)	CHARACTER	12	ODMVPFSCOUNTS	Counts of PFS Array entries
1132	(46C)	SIGNED	4	ODMVPFSTYPECOUNT	Number of PFS 'type' entries
1136	(470)	SIGNED	4	ODMVPFSNAMECOUNT	Number of PFS 'name' entries
1140	(474)	SIGNED	4	ODMVPFSPARMCOUNT	Number of Parm entries
1144	(478)	CHARACTER	12	ODMVCINETCOUNTS	Counts of CINET Array entries
1144	(478)	SIGNED	4	ODMVCINETHOMEcnt	Number of CINET home entries
1148	(47C)	SIGNED	4	ODMVCINETHOSTCNT	Number of CINET host entries
1152	(480)	SIGNED	4	ODMVCINETNETWCNT	Number of CINET netw entries
1156	(484)	SIGNED	4	ODMVFLAGWORD02	Flag word
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVPARTIAL	"X'80" Partial thread data
		.1.		ODMVSYSLIMITS	"X'40" Sytem Limits returned
		..1.		ODMVPRCLIMITS	"X'20" Process Limits returned
1160	(488)	CHARACTER	8	ODMVBRLMSRV	ByterangelockMgr Server
1168	(490)	ADDRESS	4	ODMVLIMITSPTR	Address of limits data pointer When OdmvSysLimits is on it points to a structure OdmvSysL. When OdmvPrcLimits is on it points to a structure OdmvPrcL
1172	(494)	ADDRESS	4	ODMVEXTOPTDATAPTR	Address of pointer to the Extended Options Dat
1176	(498)	ADDRESS	4	ODMVIPV6PTR	Address of pointer to the OdmvIpv6 structure
1180	(49C)	ADDRESS	4	ODMVSERPTR	Address of serialization data header OdmvSerHdr
1184	(4A0)	ADDRESS	4	ODMVDYNSERVPTR	Address of ACTIVATE=SERVICE Data header OdmvDynServ
1188	(4A4)	ADDRESS	4	ODMVUSRmnttBPTR	Address of nonprivileged user mounts table header.
1192	(4A8)	CHARACTER	24	ODMVRESERVED11	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Reserved for future extensions. Consider adding only pointers to structures here !!!
1216	(4C0)	CHARACTER	432	ODMVRESERVEDDATA	
1216	(4C0)	CHARACTER	8	ODMVCBGEN06	Reserved Output Area for Operating System Usage
1216	(4C0)	CHARACTER	8	ODMVOUTPUTALETADDR	Address of output area
					Assembler users can use this
1216	(4C0)	SIGNED	4	ODMVOUTPUTALET	
1220	(4C4)	ADDRESS	4	ODMVOUTPUTADDR	
1224	(4C8)	CHARACTER	8	ODMVSTOKEN	Token of Data Space
1232	(4D0)	ADDRESS	4	ODMVODCA	Address of Odca
1236	(4D4)	SIGNED	4	ODMVRETCODE	Return Code from BPXODMVS
1240	(4D8)	SIGNED	4	ODMVCINETMSGNUM	
					Error Message Number
1244	(4DC)	SIGNED	4	ODMVFLAGWORD03	
					Flag word

Comment

Bit definitions:

End of Comment

		1...		ODMVCAPS	"X'80" CAPS Specified on D OMVS
1248	(4E0)	ADDRESS	4	ODMVPROTPGPTR	
					Ptr. to begin of prot. Pg.
1252	(4E4)	BITSTRING	1	ODMVAUTHPGMLISTLEN	
					Length of Authpgm name
1253	(4E5)	CHARACTER	255	ODMVAUTHPGMLIST	
					Name of Authpgm dataset
1508	(5E4)	BITSTRING	1	ODMVSERVLINKLIBLEN	
					Length of Serv_Linklib DS
1509	(5E5)	CHARACTER	44	ODMVSERVLINKLIB	
					Name of Serv_Linklib DS
1553	(611)	BITSTRING	1	ODMVSERVLPALIBLEN	
					Length of Serv_Lpalib DS
1554	(612)	CHARACTER	44	ODMVSERVLPALIB	
					Name of Serv_Lpalib DS
1598	(63E)	BITSTRING	1	ODMVSERVLINKLIBVOLLEN	
					Length of Serv_Lpalib DS
1599	(63F)	CHARACTER	6	ODMVSERVLINKLIBVOL	
					Name of Serv_Lpalib DS
1605	(645)	BITSTRING	1	ODMVSERVLPALIBVOLLEN	
					Length of Serv_Lpalib DS
1606	(646)	CHARACTER	6	ODMVSERVLPALIBVOL	
					Name of Serv_Lpalib DS
1612	(64C)	SIGNED	2	ODMVCINETPORT	
					INADDRANYPORT
1614	(64E)	SIGNED	2	ODMVCINETCOUNT	
					INADDRANYCOUNT
1616	(650)	SIGNED	4	ODMVMAXIOBUFUSER	
					MaxIoBufUser
1620	(654)	CHARACTER	6	ODMVPWTE	PWT value SMF/ENV/SMFENV
1626	(65A)	CHARACTER	6	ODMVRESERVED03	
					reserved
1632	(660)	SIGNED	4	ODMVPVTSTGCURRENT	
					reserved
1636	(664)	SIGNED	4	ODMVPVTSTGHIGHWATER	
					reserved
1640	(668)	SIGNED	4	ODMVSYSSTKINUSE	
					reserved
1644	(66C)	SIGNED	4	ODMVSYSSTKHIGHWATER	
					reserved
1648	(670)	CHARACTER	1	ODMVEND (0)	End of Block
1648	(670)	X'670'	0	ODMVOUT_LEN	**-ODMVOUT"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVOUTARRAY	
0	(0)	ADDRESS	4	ODMVOUTARRAYELEMPTTR	
0	(0)	X'4'	0	ODMVOUTARRAY_LEN	
					**-ODMVOUTARRAY"

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVTHDARRAY	
0	(0)	ADDRESS	4	ODMVTHDARRAYELEMPTN	
0	(0)	X'4'	0	ODMVTHDARRAY_LEN	**_ODMVTHDARRAY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVFILE	
0	(0)	SIGNED	4	ODMVDEVICE	Device Name the st_dev value that is returned by the stat system call for each file in the file system.
4	(4)	CHARACTER	8	ODMVTYPENAME	File System Type name from the FILESYSTYPE parmlib statement
12	(C)	SIGNED	4	ODMVSTATUS	Status matches MSG BPXO45le 1= FORCE UNMOUNT 2= DRAIN UNMOUNT 3= IMMEDIATE UNMOUNT 4= NORMAL UNMOUNT 5= RESET UNMOUNT 6= IMMEDIATE UNMOUNT ATTEMPTED 7= ACTIVE 8= QUIESCED 9= NOT ACTIVE 10= MOUNT IN PROGRESS 11= ASYNCH MOUNT IN PROGRESS 12= IN RECOVERY 13= UNOWNED
16	(10)	CHARACTER	8	ODMVQJOBNAME	Quiesce Job Name
24	(18)	SIGNED	4	ODMVQPID	Quiesce Process ID
28	(1C)	SIGNED	4	ODMVMOUNTMODE	Mount mode for filesystem 1 = R/W, 2 = R/O
32	(20)	CHARACTER	44	ODMVFSNAME	File System name for PDSE/X
76	(4C)	CHARACTER	63	ODMVSPATH	Path or Directory name converted to upper case characters
139	(8B)	CHARACTER	57	ODMVMOUNTPARM	Mount parm truncated and optionally converted to upper case
196	(C4)	CHARACTER	8	ODMVFSOWNER	FS Owner name
204	(CC)	SIGNED	4	ODMVFSNOAUTOMOVE	1 = fs is AUTOMOVEable 2 = fs is Not AUTOMOVEable
208	(D0)	CHARACTER	8	ODMVQSYSTEM	Quiesce system
216	(D8)	SIGNED	4	ODMVFSCLIENT	1 = Yes is a client 2 = No is not a client
220	(DC)	CHARACTER	4	ODMVFSFILETAG	
224	(E0)	CHARACTER	260	ODMVSYSLIST	Mount TAG data @DNC System list
224	(E0)	SIGNED	2	ODMVSLNUM	Number of systems in list
226	(E2)	SIGNED	2		
228	(E4)	CHARACTER	8	ODMVSLNAME	System names
484	(1E4)	CHARACTER	44	ODMVAGGNAME	Aggregate Name
528	(210)	CHARACTER	8	ODMVROSECL	ROSeclabel
536	(218)	SIGNED	4	ODMVFSLATNUM	File System Latch Number
540	(21C)	SIGNED	4	ODMVFSQLATNUM	Quiesce Latch Number
544	(220)	CHARACTER	18	ODMVFSMTDATA	Mount Date,time in EBCDIC
544	(220)	CHARACTER	10	ODMVFSMTDATE	yyyy/mm/dd
544	(220)	CHARACTER	4	ODMVFSMTYEAR	yyyy
544	(220)	CHARACTER	2		yy (2004...the 20)
546	(222)	CHARACTER	2	ODMVFSMTYY	yy (2004...the 04)
548	(224)	CHARACTER	1	ODMVFSFLASH1	/
549	(225)	CHARACTER	2	ODMVFSMTMONTH	mm
551	(227)	CHARACTER	1	ODMVFSFLASH2	/
552	(228)	CHARACTER	2	ODMVFSMTDAY	dd
554	(22A)	CHARACTER	8	ODMVFSMTTIME	hh:mm:ss
554	(22A)	CHARACTER	2	ODMVFSHH	hh
556	(22C)	CHARACTER	1	ODMVFSDOT1	:
557	(22D)	CHARACTER	2	ODMVFSMM	mm
559	(22F)	CHARACTER	1	ODMVFSDOT2	:
560	(230)	CHARACTER	2	ODMVFSSS	ss
562	(232)	CHARACTER	56	ODMVFSPPFSNORMALSTATUS	Pfs normal status
618	(26A)	CHARACTER	56	ODMVFSPPFSEXCPSTATUS	Pfs exception status available
674	(2A2)	CHARACTER	2		
676	(2A4)	SIGNED	4	ODMVFSUSRMTUID	UID of user that mounted the file system. Always 0 for the privileged user mounts
676	(2A4)	X'2A8'	0	ODMVFILE_LEN	**_ODMVFILE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPROCESS	
0	(0)	CHARACTER	8	ODMVJOBNAME	Job name from ASCBJBNI or ASCBJBNS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	CHARACTER	8	ODMVUSER	User Name from OasbLoginName
16	(10)	SIGNED	4	ODMVPPID	Process ID
20	(14)	SIGNED	4	ODMVPPID	Parent's Process ID
24	(18)	SIGNED	2	ODMVASID	Address space ID or zero for zombie state
26	(1A)	CHARACTER	5	ODMVRESERVED04	Reserved
31	(1F)	CHARACTER	7	ODMVSTARTYD	Local Start Time YYYYDDD
31	(1F)	CHARACTER	4	ODMVSTYY	Start Time Year
35	(23)	CHARACTER	3	ODMVSTDD	Start Time Day of year (1-366)
38	(26)	CHARACTER	6	ODMVSTART	Start Time hhmms
38	(26)	CHARACTER	2	ODMVSTHH	Start Time hours
40	(28)	CHARACTER	2	ODMVSTMM	Start Time minutes
42	(2A)	CHARACTER	2	ODMVSTSS	Start Time seconds
44	(2C)	CHARACTER	8	ODMVCT	Process system and user compute time
52	(34)	BITSTRING	4	ODMVCSTATE	Process state
52	(34)	BITSTRING	1	ODMVSTATUS1	MVS status

Comment

Bit definitions:

End of Comment

		1...		ODMVSWAP	"X'80" Swapped out
		.1..		ODMVWAITP	"X'40" Ptrace Kernel Wait
53	(35)	BITSTRING	1	ODMVSTATUS2	Process status

Comment

Bit definitions:

End of Comment

		1...		ODMVSTOPPED	"X'80" Stopped process
		.1..		ODMVGEN05	"X'40"
		..1.		ODMVMULTTHREAD	
		...1		ODMVPTHREAD	"X'20" 0=One OpenMVS active task
		.... 1..		ODMVBLOCKREG	"X'10" 0=No pthread task in process
		.... .1..		ODMVPERMREG	"X'04" registered permanent proc
		.... ..1.		ODMVRESPAWN	"X'02" process started with respawn capability
		.... ...1		ODMVUTRACED	"X'01" process being user traced
54	(36)	CHARACTER	1	ODMVSTATUS3	State of reported task - with PgpsPthread=0 the most recent created thread, PgpsPthread=1 the initial pthread task (IPT)
55	(37)	BITSTRING	1	ODMVRESERVED05	Reserved
56	(38)	SIGNED	4	ODMVLATCHWAITPID	Latch Process ID the process is waiting for (Zero=not waiting)
60	(3C)	BITSTRING	4	ODMVGENERALFLAGS	General flags

Comment

Bit definitions:

End of Comment

		1...		ODMVSERVER	"X'80" OdmvServerInfo data is valid
64	(40)	CHARACTER	44	ODMVSERVERINFO	Server Information
64	(40)	CHARACTER	32	ODMVSERVERNAME	SabServerName SERVER=
96	(60)	SIGNED	4	ODMVACTIVEFILES	SabVDECount AF=
100	(64)	SIGNED	4	ODMVMAXFILES	SabMaxFiles MF=
104	(68)	SIGNED	4	ODMVSERVERTYPE	SabServerType TYPE= See NRegSType information in BPXYNREG for definition of Server Types.
108	(6C)	CHARACTER	40	ODMVCMD	Command String buffer
148	(94)	SIGNED	4	ODMVRUID	Process Real User Id
152	(98)	SIGNED	4	ODMVEUID	Process Effective User Id
156	(9C)	CHARACTER	8	ODMVSTORAGEINFO	STORAGE specified
156	(9C)	SIGNED	4	ODMVSTACKSINUSE	Space switch stacks in use by the process
160	(A0)	SIGNED	4	ODMVTHREADCNT	

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
164	(A4)	CHARACTER	8	ODMVSECLABEL	Count of pthread_created threads in process
164	(A4)	X'AC'	0	ODMVPROCESS_LEN	Process Seclabel
					**-ODMVPROCESS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVTHREADS	Thread info
0	(0)	CHARACTER	8	ODMVTHDID	Thread ID
8	(8)	ADDRESS	4	ODMVTHDTCB	TCB address
12	(C)	CHARACTER	8	ODMVTHDJOBNAME	Primary Address space job name, if primary == home, otherwise blanks
20	(14)	CHARACTER	8	ODMVTHDUSERNAME	User name if a task level security environment created by pthread_security_np exists, otherwise blanks
28	(1C)	SIGNED	4	ODMVTHDSYSCALL	Syscall code
32	(20)	BITSTRING	8	ODMVTHDRTIME	TCB's accumulated CPU time
40	(28)	CHARACTER	65	ODMVTHDTAG	Tag data
105	(69)	CHARACTER	1	ODMVTHDSTATUS1	Pthread created/Dubbed
106	(6A)	CHARACTER	1	ODMVTHDSTATUS2	Wait/Running status
107	(6B)	CHARACTER	1	ODMVTHDSTATUS3	Creation type
108	(6C)	CHARACTER	1	ODMVTHDSTATUS4	Detached/undetached
109	(6D)	CHARACTER	1	ODMVTHDSTATUS5	Ptrace held
110	(6E)	BITSTRING	1	ODMVTHDFLAGS	Thread flags

Comment

Bit definitions:

End of Comment

		1...		ODMVTHDTAGSET	"X'80" Thread has tag data
111	(6F)	CHARACTER	1	ODMVRESERVED06	Reserved
112	(70)	CHARACTER	28	ODMVTHDBRL	Byte Range Lock Waiter Data valid for OdmvBrl only
112	(70)	SIGNED	4	ODMVTHDBRLDEVNO	Dev # of BRL Wait File
116	(74)	SIGNED	4	ODMVTHDBRLINO	Inode # of BRL Wait File
120	(78)	SIGNED	4	ODMVTHDBRLOWNERPID	BRL Wait FileOwner PID
124	(7C)	CHARACTER	16	ODMVTHDBRLFILE	BRL Wait File Name
140	(8C)	CHARACTER	32	ODMVRESERVEDDATA2	For BRLM usage only
140	(8C)	ADDRESS	4	ODMVTHDBRLOFTE	No longer used
144	(90)	ADDRESS	4	ODMVTHDBRLVNOD	For use in frbrl getlk call
148	(94)	ADDRESS	4	ODMVTHDBRLREQPTR	
152	(98)	ADDRESS	4	ODMVTHDBRLRESERVED1	
156	(9C)	CHARACTER	8	ODMVTHDBRLSYSNAME	System of blocking process
164	(A4)	CHARACTER	8	ODMVTHDBRLRESERVEDATA	possible size change
172	(AC)	CHARACTER	1	ODMVTHDEND	End of thread info
			(0)		
172	(AC)	X'AC'	0	ODMVTHREADS_LEN	**-ODMVTHREADS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPFS	
0	(0)	CHARACTER	212	ODMVPFSCHARS	EBCDIC data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	8	ODMVPFSNAME	PFS nametype from the GFS
8	(8)	CHARACTER	20	ODMVPFSDESCRIPTION	Brief description of PFS
8	(8)	CHARACTER	8	ODMVPFSSOCKET	if socket, the word SOCKET
16	(10)	CHARACTER	12	ODMVPFSVFS	if socket, AF_INET, etc.
28	(1C)	CHARACTER	8	ODMVPFSENTRY	EntryPoint name
36	(24)	CHARACTER	5	ODMVPFSSTATUS	Status
41	(29)	CHARACTER	3	ODMVPFSFLAGS	Flags
44	(2C)	CHARACTER	165	ODMVPFSPARMS	Parameter data
44	(2C)	CHARACTER	1	ODMVPFSBLANK	a blank - special for HFS
45	(2D)	CHARACTER	164	ODMVGEN07	
209	(D1)	CHARACTER	3	ODMVRESERVED07	Reserved
212	(D4)	CHARACTER	28	ODMVPFSNUMS	NUMERIC data
212	(D4)	SIGNED	4	ODMVPFSMAXSOCK	MAXSOCKETS
216	(D8)	SIGNED	4	ODMVPFSOPNSOCK	Open Sockets
220	(DC)	SIGNED	4	ODMVPFSHWMSOCK	Highwater mark
224	(E0)	SIGNED	4	ODMVPFSPARMLN	The length of OdmvPFSParms
228	(E4)	CHARACTER	8	ODMVPFSCURRENTVALUES	Data for CURRENT VALUES
228	(E4)	SIGNED	4	ODMVPFSFIXED	FIXED
232	(E8)	SIGNED	4	ODMVPFSVIRTUAL	VIRTUAL
236	(EC)	SIGNED	4	ODMVPFSRECYSTATUS	PFS Recycle status
240	(F0)	CHARACTER	8	ODMVPFSRECYTIME	hh:mm:ss Recycle time
240	(F0)	CHARACTER	2	ODMVPFSHH	hh
242	(F2)	CHARACTER	1	ODMVPFSDOT1	:
243	(F3)	CHARACTER	2	ODMVPFSMM	mm
245	(F5)	CHARACTER	1	ODMVPFSDOT2	:
246	(F6)	CHARACTER	2	ODMVPFSSS	ss
248	(F8)	CHARACTER	20	ODMVPFSSTARTTIME	PFS Start time
248	(F8)	CHARACTER	10	ODMVPFSDATE	Date
258	(102)	CHARACTER	1		blank space
259	(103)	CHARACTER	8	ODMVPFSTIME	Time
267	(10B)	CHARACTER	1		blank space
268	(10C)	CHARACTER	8	ODMVPFSASNAME	ASName
276	(114)	CHARACTER	180	ODMVPFSSTATUSINFO	
276	(114)	CHARACTER	60	ODMVPFSSTLINE1	PFS Status Line 1
336	(150)	CHARACTER	60	ODMVPFSSTLINE2	PFS Status Line 2
396	(18C)	CHARACTER	60	ODMVPFSSTLINE3	PFS Status Line 3

Comment

Constants for PFS recycle status

End of Comment

396	(18C)	X'1'	0	ODMV#RECYCLING	"1"
396	(18C)	X'2'	0	ODMV#RECYCLEMOUNTING	"2"
396	(18C)	X'3'	0	ODMV#RECYCLEMOUNTSPEND	"3"
396	(18C)	X'1C8'	0	ODMVPFS_LEN	"*-ODMVPFS"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVSYSL	
0	(0)	BITSTRING	4	ODMVSYSLFCHANGED	Flag field for changed System limits

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	1	ODMVSYSFLFBYTE1	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVSYSFLFMAXPROCSYS	"X'80" MaxProcSys changed
		.1.		ODMVSYSFLFMAXUIDS	"X'40" MaxUids changed
		..1.		ODMVSYSFLFMAXPTYSC	"X'20" MaxPtys changed
		...1		ODMVSYSFLFMAXMMAPAREAC	"X'10" MaxMmapArea changed
		.... 1...		ODMVSYSFLFMAXSHRPAGESC	"X'08" MaxShrPages changed
		.... .1..		ODMVSYSFLFPCMSGNIDSC	"X'04" IpcMsgNids changed
		.... ..1.		ODMVSYSFLFPCSEMNIIDSC	"X'02" IpcSemNids changed
		.... ...1		ODMVSYSFLFPCSHMNIDSC	"X'01" IpcShmNids changed
1	(1)	BITSTRING	1	ODMVSYSFLFBYTE2	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVSYSFLFPCSHMSPAGES	"X'80" IpcShmSPages changed
		.1.		ODMVSYSFLFPCMSGQBYTES	"X'40"
		..1.		ODMVSYSFLFPCMSGQMNUM	"X'20"
		...1		ODMVSYSFLFPCSHMMPAGES	"X'10"
		.... 1...		ODMVSYSFLFSHRLIBRGNISIZE	"X'08" ShrLibRgnSize changed
		.... .1..		ODMVSYSFLFSHRLIBMAXPAGES	"X'04" ShrLibMaxPages changed
		.... ..1.		ODMVSYSFLFMAXUSRMNTSYS	"X'02" MAXUSERMOUNTSYS changed
		.... ...1		ODMVSYSFLFMAXUSRMNTUSR	"X'01" MAXUSERMOUNTUSER changed
2	(2)	BITSTRING	1	ODMVSYSFLFBYTE3	
3	(3)	BITSTRING	1	ODMVSYSFLFBYTE4	
4	(4)	SIGNED	4	ODMVSYSFLMAXPROCSYSC	Current # of processes
8	(8)	SIGNED	4	ODMVSYSFLMAXPROCSYSH	Highwater # of processes
12	(C)	SIGNED	4	ODMVSYSFLMAXUIDSC	Current # of userids
16	(10)	SIGNED	4	ODMVSYSFLMAXUIDSH	Highwater # of userids
20	(14)	SIGNED	4	ODMVSYSFLMAXPTYSC	Current # of ptys in use
24	(18)	SIGNED	4	ODMVSYSFLMAXPTYSH	Highwater # of ptys in use
28	(1C)	SIGNED	4	ODMVSYSFLMAXMMAPAREAC	Current # of mmap pages
32	(20)	SIGNED	4	ODMVSYSFLMAXMMAPAREAH	Highwater # of mmap pages
36	(24)	SIGNED	4	ODMVSYSFLMAXSHRPAGESC	Current # of shared pages
40	(28)	SIGNED	4	ODMVSYSFLMAXSHRPAGESH	Highwater # of shared pages
44	(2C)	SIGNED	4	ODMVSYSFLPCMSGNIDSC	Current # of message queue IDs in use
48	(30)	SIGNED	4	ODMVSYSFLPCMSGNIIDSH	Highwater # of message queue IDs in use
52	(34)	SIGNED	4	ODMVSYSFLPCSEMNIIDSC	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
56	(38)	SIGNED	4	ODMVSYSLIPCSEMNDISH	Current # of semaphore IDs in use
60	(3C)	SIGNED	4	ODMVSYSLIPCSTMNDISC	Highwater # of semaphore IDs in use
64	(40)	SIGNED	4	ODMVSYSLIPCSTMNDISH	Current # of shared memory IDs in use
68	(44)	SIGNED	4	ODMVSYSLIPCSTMSPAGESC	Highwater # of shared memory IDs in use
72	(48)	SIGNED	4	ODMVSYSLIPCSTMSPAGESH	Current # of shared memory pages in use
76	(4C)	SIGNED	4	ODMVSYSLIPCMSGQBYTESH	Highwater # of shared memory pages in use
80	(50)	SIGNED	4	ODMVSYSLIPCMSGQBYTESM	Highwater # of bytes used in a msg queue for process
84	(54)	SIGNED	4	ODMVSYSLIPCMSGQMNUMH	Maximum # of bytes allowed in a msg queue for process
88	(58)	SIGNED	4	ODMVSYSLIPCMSGQMNUMM	Highwater # of msgs used in a msg queue for process
92	(5C)	SIGNED	4	ODMVSYSLIPCSTMMPAGESH	Maximum # of msgs allowed in a msg queue for process
96	(60)	SIGNED	4	ODMVSYSLIPCSTMMPAGESM	Highwater # of shr mem pages in a segment for process
100	(64)	SIGNED	4	ODMVSYSLSHRLIBRGNSIZEC	Maximum # of shr mem pages allowed in segment for process
104	(68)	SIGNED	4	ODMVSYSLSHRLIBRGNSIZEH	Current usage of system shared library region
108	(6C)	SIGNED	4	ODMVSYSLSHRLIBMAXPAGESC	Highwater usage of system shared library region
112	(70)	SIGNED	4	ODMVSYSLSHRLIBMAXPAGESH	Current # of pages of user shared library region
116	(74)	SIGNED	4	ODMVSYSLIPCSTMMPAGESMBM	Highwater # of pages of user shared library pgms
120	(78)	SIGNED	4	ODMVSYSLMAXUSRMNTSYSCUR	Maximum # of shr mem pages allowed in segment for process in BinMult form
124	(7C)	SIGNED	4	ODMVSYSLMAXUSRMNTSYSHW	Current # of MAXUSERMOUNTSYS
128	(80)	SIGNED	4	ODMVSYSLMAXUSRMNTUSRCUR	HighWater mark of MAXUSERMOUNTSYS
132	(84)	SIGNED	4	ODMVSYSLMAXUSRMNTUSRHW	Current # of MAXUSERMOUNTUSER
136	(88)	SIGNED	4	ODMVSYSLMAXPIPESLMT	HighWater mark of MAXUSERMOUNTUSER
140	(8C)	SIGNED	4	ODMVSYSLMAXPIPESCUR	MAXPIPES Limit needed here because not a BPXPRMxx option
144	(90)	SIGNED	4	ODMVSYSLMAXPIPESHW	Current usage of Pipe PFS Queues
144	(90)	X'94'	0	ODMVSYSL_LEN	Highwater usage of Pipe PFS Queues "-ODMVSYSL"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	ODMVPRCL	
0	(0)	BITSTRING	4	ODMVPRCLFCHANGED	Flag field for changed process limits
0	(0)	BITSTRING	1	ODMVPRCLFBYTE1	

Comment

Bit definitions:

End of Comment

- 1... ODMVPRCLFMAXASSIZE
"X'80" RESERVED MaxAsSize changed
- .1. ODMVPRCLFMAXCPU
"X'40" RESERVED MaxCpu changed
- ..1. ODMVPRCLFMAXFILEPROC
"X'20" MaxFileProc changed
- ...1 ODMVPRCLFMAXPROCUSER
"X'10" MaxProcUser changed
- 1... ODMVPRCLFMAXQUEUEDSIGS
"X'08" MaxQueuedSigs changed
-1.. ODMVPRCLFMAXTHREADS

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		ODMVPRLCFMAXTHREADTASKS	"X'04" MaxThreads changed
		.... ...1		ODMVPRLCFIPCSHMNSEGS	"X'02" MaxThreadTasks changed
1	(1)	BITSTRING	1	ODMVPRLCFBYTE2	"X'01" IpcShmNSeGS changed
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVPRLFCORESIZSBIN	"X'80" Soft Core value is bin
		..1.		ODMVPRLCFMAXFILESIZE	"X'40" MaxFileSize changed
		..1.		ODMVPRLCFMAXMEMLIMIT	"X'20" MaxMemLimit changed
		...1		ODMVPRLCFMAXMLIMITSET	"X'10" Set MaxMemLimit
		.... 1..		ODMVPRLCFMAXMEMLSBIN	"X'08" Soft MLimit value is bin
		.... ..1.		ODMVPRLCFMAXMEMLHBIN	"X'04" Hard MLimit value is bin
		.... ...1.		ODMVPRLCFMAXCORESIZE	"X'02" MaxCoreSize changed
2	(2)	BITSTRING	1	ODMVPRLCFBYTE3	
Comment					
Bit definitions:					
End of Comment					
		1...		ODMVPRLFCORESIZHBIN	"X'80" Hard Core value is bin
3	(3)	BITSTRING	1	ODMVPRLCFBYTE4	
4	(4)	SIGNED	4	ODMVPRLMAXASSIZEC	RESERVED Current user region usage for address space
8	(8)	SIGNED	4	ODMVPRLMAXASSIZEH	RESERVED Highw. user region usage for address space
12	(C)	SIGNED	4	ODMVPRLMAXASSIZEM	RESERVED Max. user region size for address space
16	(10)	SIGNED	4	ODMVPRLMAXCPUC	RESERVED Current CPU usage for address space
20	(14)	SIGNED	4	ODMVPRLMAXCPUH	RESERVED Highwater CPU usage for address space
24	(18)	SIGNED	4	ODMVPRLMAXCPUM	RESERVED Max. CPU usage for address space
28	(1C)	SIGNED	4	ODMVPRLMAXFILEPROCC	Current # of files in use for process
32	(20)	SIGNED	4	ODMVPRLMAXFILEPROCH	Highwater # of files in use for process
36	(24)	SIGNED	4	ODMVPRLMAXFILEPROCMSL	Soft Maximum # of files allowed for process
40	(28)	SIGNED	4	ODMVPRLMAXFILEPROCMSL	Hard Maximum # of files allowed for process
44	(2C)	SIGNED	4	ODMVPRLMAXFILESIZEMSL	Soft Maximum size of files allowed for process
48	(30)	SIGNED	4	ODMVPRLMAXFILESIZEMHL	Hard Maximum size of files allowed for process
52	(34)	SIGNED	4	ODMVPRLMAXPROCUSERC	Current # of processes for user
56	(38)	SIGNED	4	ODMVPRLMAXPROCUSERH	Highwater # of processes for user
60	(3C)	SIGNED	4	ODMVPRLMAXPROCUSERM	Maximum # of processes allowed for user
64	(40)	SIGNED	4	ODMVPRLMAXQUEUEUSIGSC	Current # of queued signals for process
68	(44)	SIGNED	4	ODMVPRLMAXQUEUEUSIGSH	Highwater # of queued sigs for process
72	(48)	SIGNED	4	ODMVPRLMAXQUEUEUSIGSM	Maximum # of queued signals for process
76	(4C)	SIGNED	4	ODMVPRLMAXTHREADSC	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	SIGNED	4	ODMVPRCLMAXTHREADSH	Current # of threads for process
84	(54)	SIGNED	4	ODMVPRCLMAXTHREADSM	Highwater # of threads for process
88	(58)	SIGNED	4	ODMVPRCLMAXTHREADTASKSC	Maximum # of threads for process
92	(5C)	SIGNED	4	ODMVPRCLMAXTHREADTASKSH	Current # of thd tasks for process
96	(60)	SIGNED	4	ODMVPRCLMAXTHREADTASKSM	Highwater # of thd tasks for process
100	(64)	SIGNED	4	ODMVPRCLIPCSHMNSEGSC	Maximum # of thd tasks for process
104	(68)	SIGNED	4	ODMVPRCLIPCSHMNSEGSH	Current # of shr mem allowed segments in a process
108	(6C)	SIGNED	4	ODMVPRCLIPCSHMNSEGSM	Highwater shr mem allowed segments in a process
112	(70)	SIGNED	4	ODMVPRCLMAXCORESIZESL	Maximum # of shr mem allowed segments in a process
					Max Size core dumps SOFT
Comment					
See OdmvPrLFCoreSizSBin, off - fullword Binary value, on - binary value with a multiplier					
End of Comment					
116	(74)	SIGNED	4	ODMVPRCLMAXCORESIZEMHL	Max Size core dumps HARD
Comment					
See OdmvPrLFCoreSizHBin, off - fullword Binary value, on - binary value with a multiplier					
End of Comment					
120	(78)	CHARACTER	8	ODMVPRCLMAXMEMLIMITCDW	Current process memlimit
120	(78)	SIGNED	4	ODMVPRCLMAXMEMLIMITCH	
124	(7C)	SIGNED	4	ODMVPRCLMAXMEMLIMITCL	
128	(80)	CHARACTER	8	ODMVPRCLMAXMEMLIMITHDW	High process memlimit
128	(80)	SIGNED	4	ODMVPRCLMAXMEMLIMITHH	
132	(84)	SIGNED	4	ODMVPRCLMAXMEMLIMITHL	
136	(88)	SIGNED	4	ODMVPRCLMAXMEMLIMITDWS	
Comment					
asid memlimit soft See OdmvPrLFMaxMemLSBin, off - fullword Binary value, on - binary value with a multiplier					
End of Comment					
136	(88)	SIGNED	3	ODMVPRCLMAXMEMLIMITDWSBIN	binary value
139	(8B)	CHARACTER	1	ODMVPRCLMAXMEMLIMITDWSM	Multiplier
140	(8C)	SIGNED	4	ODMVPRCLMAXMEMLIMITDWH	
Comment					
asid memlimit hard See OdmvPrLFMaxMemLSBin, off - fullword Binary value, on - binary value with a multiplier					
End of Comment					
140	(8C)	SIGNED	3	ODMVPRCLMAXMEMLIMITDWHBIN	binary value
143	(8F)	CHARACTER	1	ODMVPRCLMAXMEMLIMITDWHM	Multiplier
144	(90)	SIGNED	4	ODMVMAXFILESIZEMHLBINM	

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
BinMult version of MaxFileSize hardlimit. Valid only if equal to OdmvPrclMaxFileSizeMHL. This is how it was entered via SETOMVS.					
End of Comment					
148	(94)	SIGNED	4	ODMVMAXFILESIZEMSLBINM	
Comment					
BinMult version of MaxFileSize softlimit. Valid only if equal to OdmvPrclMaxFileSizeMSL. This is how it was entered via SETOMVS.					
End of Comment					
152	(98)	CHARACTER	20		Reserved for future use
152	(98)	X'AC'	0	ODMVPRCL_LEN	**-ODMVPRCL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVEXTOPTIONSDATA	
0	(0)	SIGNED	4	ODMVRESPROCLEN	Length of String
4	(4)	CHARACTER	8	ODMVRESPROCNAME	Name of Resolver started procedure or NONE/RESOLVER
12	(C)	SIGNED	4	ODMVMAXFILESIZEBINM	MaxFileSize BinMult
12	(C)	SIGNED	3	ODMVMAXFILESIZEBIN	Bin part of BinMult
15	(F)	CHARACTER	1	ODMVMAXFILESIZEM	Multiplier part of BinM
16	(10)	SIGNED	4	ODMVMAXCORESIZEBINM	MaxCoreSize BinMult
16	(10)	SIGNED	3	ODMVMAXCORESIZEB	Bin part of BinMult
19	(13)	CHARACTER	1	ODMVMAXCORESIZEM	Multiplier part of BinM
20	(14)	SIGNED	4	ODMVMAXASSIZEBINM	MaxASSize BinMult
20	(14)	SIGNED	3	ODMVMAXASSIZEBIN	Bin part of BinMult
23	(17)	CHARACTER	1	ODMVMAXASSIZEM	Multiplier part of BinM
24	(18)	SIGNED	4	ODMVMAXMMAPAREABINM	MaxMMapArea BinMult
24	(18)	SIGNED	3	ODMVMAXMMAPAREABIN	Bin part of BinMult
27	(1B)	CHARACTER	1	ODMVMAXMMAPAREAM	Multiplier part of BinM
28	(1C)	SIGNED	4	ODMVMAXSHRPAGESBINM	MaxShrPages BinMult
28	(1C)	SIGNED	3	ODMVMAXSHRPAGESBIN	Bin part of BinMult
31	(1F)	CHARACTER	1	ODMVMAXSHRPAGESM	Multiplier part of BinM
32	(20)	SIGNED	4	ODMVMAXSHMSPAGESBM	MaxIPCshmSPages BinMult
32	(20)	SIGNED	3	ODMVMAXSHMSPAGESBIN	Bin part of BinMult
35	(23)	CHARACTER	1	ODMVMAXSHMSPAGESM	Multiplier part of BinM
36	(24)	SIGNED	4	ODMVMAXSHMMPAGESBM	MaxIPCshmMPages BinMult
36	(24)	SIGNED	3	ODMVMAXSHMMPAGESBIN	Bin part of BinMult
39	(27)	CHARACTER	1	ODMVMAXSHMMPAGESM	Multiplier part of BinM
40	(28)	CHARACTER	44	ODMVALTROOTFS	ALTROOT FS Name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	SIGNED	4	ODMVUSERMNTSSYSLIMIT	USERMOUNTS - Sys Limit
88	(58)	SIGNED	4	ODMVUSERMNTSUSRLIMIT	USERMOUNTS - Usr Limit
92	(5C)	BITSTRING	1	ODMVNONEMPTYMNTPT	NONEMPTYMOUNTPT
93	(5D)	CHARACTER	3		Reserved
96	(60)	SIGNED	4	ODMVMAXPIPEUSER	MAXPIPEUSER
100	(64)	CHARACTER	12		Reserved
100	(64)	X'70'	0	ODMVEXTOPTIONSDATA_LEN	""-ODMVEXTOPTIONSDATA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVIPV6	IPV6 Data
0	(0)	SIGNED	4	ODMVCINETHOMECNT6	Number of CINET6 home.
4	(4)	SIGNED	4	ODMVCINETHOSTCNT6	Number of CINET6 host.
8	(8)	SIGNED	4	ODMVCINETNETWCNT6	Number of CINET6 net.
12	(C)	ADDRESS	4	ODMVCINET6PTR	Ptr to the first OdmvCinet6 in OdmvOutPut area.

Comment

Declare Constants for the PFS output data:

End of Comment					
12	(C)	X'C6E240'	0	ODMVPFS#HFS_0TO3	"C'HFS "" This is the first 4-byte segment of an 8-byte constant.
12	(C)	X'404040'	0	ODMVPFS#HFS_4TO7	"C' "" This is the second 4-byte segment of an 8-byte constant.
12	(C)	X'10'	0	ODMVIPV6_LEN	""-ODMVIPV6"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVCINET	
0	(0)	CHARACTER	8	ODMVCINETETPNAME	Tp name
8	(8)	CHARACTER	12	ODMVCINETHOME@	Home IP address in EBCDIC Not Specified
8	(8)	CHARACTER	8		
16	(10)	CHARACTER	4	ODMVCINETRTYPE	Host and Net route Type
20	(14)	CHARACTER	12	ODMVCINETHOST@	Host IP address in EBCDIC
32	(20)	CHARACTER	12	ODMVCINETNETW@	Net IP address in EBCDIC
44	(2C)	CHARACTER	12	ODMVCINETMASK	Net Mask in EBCDIC
56	(38)	SIGNED	4	ODMVCINETMETRIC	Metric
60	(3C)	CHARACTER	3	ODMVCINETFLAGS	Flags
63	(3F)	BITSTRING	1	ODMVRESERVED08	Reserved

Comment

Bit definitions:

End of Comment					
		.... ...1		ODMVCINETHIFACTIVE	"X'01"" On=active Off=Inactive
64	(40)	SIGNED	4	ODMVCINETHOMEIF@	Home Interface @ in Hex
64	(40)	X'44'	0	ODMVCINET_LEN	

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					**-ODMVCINET"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVCINET6	
0	(0)	CHARACTER	8	ODMVCINET6ETPNAME	Tp name
8	(8)	CHARACTER	32	ODMVCINET6IPV6@	IPv6 Address in EBCDIC
40	(28)	CHARACTER	12	ODMVCINET6PLEN	Net Prefix Length
52	(34)	SIGNED	4	ODMVCINET6METRIC	Metric
56	(38)	CHARACTER	3	ODMVCINET6FLAGS	Flags for display
59	(3B)	BITSTRING	1	ODMVCINET6BITS	Flags for testing

Comment

Bit definitions:

End of Comment

		.... .1..		ODMVCINET6HOME	"X'04" Home route
		.... ..1.		ODMVCINET6HOST	"X'02" Host route
		.... ...1		ODMVCINET6NET	"X'01" Net route
60	(3C)	CHARACTER	4	ODMVCINET6RTYPE	Host and Net Route Type
64	(40)	CHARACTER	4		Must be as long as OdmvCinet
64	(40)	X'44'	0	ODMVCINET6_#LEN	"68"
64	(40)	X'44'	0	ODMVCINET6_LEN	**-ODMVCINET6"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVSEHDR	Serialization Header
0	(0)	SIGNED	4	ODMVSERVERNUM	Version Number Of SER Data
4	(4)	SIGNED	4	ODMVSERRSCNT	Number of resources
8	(8)	ADDRESS	4	ODMVSERRSPTR	Ptr to the first OdmvSerObj structure. Each Subsequent odmvSerObj element follows sequentially in storage after the last OdmvSerReq entry for the prior OdmvSerObj element.
8	(8)	X'C'	0	ODMVSEHRHDR_LEN	**-ODMVSEHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVSEROBJ	
0	(0)	CHARACTER	8	ODMVSERTYPE	Resource Type
8	(8)	SIGNED	4	ODMVSERRQCNT	Number of requestor entries
12	(C)	SIGNED	4	ODMVSERLCID	Resource Location, for a Mutex or Condvar this will be a shared memory ID
16	(10)	CHARACTER	8	ODMVSERADDR	Resource Address, for a Mutex or Condvar this will be a shared memory segment offset
16	(10)	ADDRESS	4	ODMVSERADDRHI	High end of address
20	(14)	ADDRESS	4	ODMVSERADDRLO	Low end of address
24	(18)	SIGNED	4	ODMVSERLCIDA	Resource Location - For a Condvar this will be the associated mutex's shared memory ID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	CHARACTER	8	ODMVSERADDRA	Resource Address - For a Condvar this will be the associated mutex's shared memory segment offset
28	(1C)	ADDRESS	4	ODMVSERADDRHIA	High end of address
32	(20)	ADDRESS	4	ODMVSERADDRLOA	Low end of address
36	(24)	ADDRESS	4	ODMVSERREQPTR	Ptr to the 1st OdmvSerReq area Subsequent OdmvSerReq areas following sequentially in storage.
36	(24)	X'28'	0	ODMVSEROBJ_LEN	**_ODMVSEROBJ"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVUMTBHDR	Header of nonprivileged user mounts table
0	(0)	SIGNED	4	ODMVUMTBELECNT	+00 Number of elements in OdmvUmTbElemnt
4	(4)	ADDRESS	4	ODMVUMTBARRAYPTR	+04 Address of nonprivileged user mounts table
4	(4)	X'8'	0	ODMVUMTBHDR_LEN	**_ODMVUMTBHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVUMTBELEMNT	Nonprivileged user mounts table. Element(0) is for the privileged user mnts
0	(0)	SIGNED	4	ODMVUMTBUID	+00 UID who did mounts
4	(4)	SIGNED	4	ODMVUMTBCOUNTS	+04 number of file systems
4	(4)	X'8'	0	ODMVUMTBELEMNT_LEN	**_ODMVUMTBELEMNT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPIPESUMHDR	Header of PIPE usage summary information
0	(0)	SIGNED	4	ODMVPSHELECNT	+00 Number of elements in OdmvPipeSumElemnt
4	(4)	ADDRESS	4	ODMVPSHELETABPTR	+04 Address of Pipe summary usage table
8	(8)	SIGNED	4	ODMVPSHFLAGS	+08 Control information

Comment

Bit definitions:

End of Comment					
		1...		ODMVPSHHWUSAGE	"X'80" 1-indicates first element in the table is the HIGHWATER USER info 0-indicates no HIGHWATER USER info in the table. (Most likely due to a RESET
12	(C)	SIGNED	4	ODMVPSHMAXPIPEUSER	+0C MAXPIPEUSER value
12	(C)	X'10'	0	ODMVPIPESUMHDR_LEN	**_ODMVPIPESUMHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPIPESUMELEMENT	Pipe Summary Usage information. Element(1) is the HIGHWATER USER info if OdmvPshHwUsage is set
0	(0)	SIGNED	4	ODMVPSEUID	+00 Real UID of creator
4	(4)	SIGNED	2	ODMVPSEACTCNT	+04 Current pipe usage
6	(6)	SIGNED	2	ODMVPSEHCNT	+06 Highwater usage
8	(8)	CHARACTER	8	ODMVPSEUSERID	+08 USERID of pipe creator

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	X'10'	0	ODMVPIPESUMELEMNT_LEN	**-ODMVPIPESUMELEMNT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPIPEUIDHDR	Header of PIPE usage detailed UID (PIPES,U=) info
0	(0)	SIGNED	4	ODMVPUTOTCNT	+00 Total pipe usage for the specified UID
4	(4)	SIGNED	4	ODMVPULECNT	+04 Number of elements in OdmvPipeUidElemnt
8	(8)	ADDRESS	4	ODMVPULETABPTR	+08 Address of Pipe UID usage table
12	(C)	BITSTRING	4	ODMVPUFLAGS	+0C Control flags

Comment

Bit definitions:

End of Comment

16	(10)	1... X'10'	0	ODMVPUORE ODMVPIPEUIDHDR_LEN	"X'80" PID entries excluded due to table size limit **-ODMVPIPEUIDHDR"
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPIPEUIDELEMNT	Pipe UID Usage information.
0	(0)	SIGNED	4	ODMVPUID	+00 Process ID
4	(4)	SIGNED	4	ODMVPUACTCNT	+04 Current PID pipe usage
8	(8)	CHARACTER	8	ODMVPUYSNAME	+08 System NAME associated with this PID
8	(8)	X'A'	0	ODMVPIPEUID#MAXENT	"10" Maximum number of OdmvPipeUidElemnt s

Comment

Declare Constants for the OdmvSer Output data:

End of Comment

8	(8)	X'E4E3C5'	0	ODMVSER#MUTEX_0TO3	"C'MUTE" This is the first 4-byte segment of an 8-byte constant.
8	(8)	X'404040'	0	ODMVSER#MUTEX_4TO7	"C'X " This is the second 4-byte segment of an 8-byte constant.
8	(8)	X'D6D5C4'	0	ODMVSER#CONDDVAR_0TO3	"C'COND" This is the first 4-byte segment of an 8-byte constant.
8	(8)	X'C1D940'	0	ODMVSER#CONDDVAR_4TO7	"C'VAR " This is the second 4-byte segment of an 8-byte constant.
8	(8)	X'1'	0	ODMVSERVER#01	"1"
8	(8)	X'10'	0	ODMVPIPEUIDELEMNT_LEN	**-ODMVPIPEUIDELEMNT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVSERREQ	
0	(0)	SIGNED	2	ODMVSERFLAGS	Requestor Flags

Comment

Bit definitions:

End of Comment

2	(2)	1...1.1 SIGNED	2	ODMVSEROWNER ODMVSERWAITER ODMVSEREXC ODMVSERSHR ODMVSERASID	"X'80" 1=Owner of resource "X'40" 1=Waiter for resource "X'20" 1=Exclusive request "X'10" 1=Shared request Requestor Address Space ID
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	CHARACTER	8	ODMVSERJOBNAME	Requestor Jobname
12	(C)	SIGNED	4	ODMVSERPID	Requestor Process ID
16	(10)	ADDRESS	4	ODMVSERTCB	Requestor Tcb Address
20	(14)	CHARACTER	8	ODMVSERUSERDATA	Requestor User Data
20	(14)	ADDRESS	4	ODMVSERUSERDATAHI	
24	(18)	ADDRESS	4	ODMVSERUSERDATALO	
24	(18)	X'1C'	0	ODMVSERREQ_LEN	"*-ODMVSERREQ"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVDWHEADER	
0	(0)	ADDRESS	4	ODMVDWHMLHCNT	1 = There's a mount latch holder
4	(4)	ADDRESS	4	ODMVDWHMLHPTR	Address of Holder's Element
8	(8)	SIGNED	4	ODMVDWHMLWCNT	Number of mount latch waiters
12	(C)	ADDRESS	4	ODMVDWHMLWPTR	Address of 1st Waiter's Element
16	(10)	SIGNED	4	ODMVDWHXSENTCNT	Number of SENT xsys messages
20	(14)	ADDRESS	4	ODMVDWHXSENTPTR	Address of 1st "SENT" Element
24	(18)	SIGNED	4	ODMVDWHXREVCNT	Number of RECEIVED xsys msgs
28	(1C)	ADDRESS	4	ODMVDWHXRECVPTR	Address of 1st "RECV" Element
32	(20)	BITSTRING	2	ODMVDWHFLAGS	Header Flags @E2C
32	(20)	BITSTRING	1	ODMVDWHFLAGS1	Flags Byte 1 @05A

Comment

Bit definitions:

End of Comment

		1...		ODMVDWHSYSPLEX	"X'80" 1 = Member of a Sysplex
33	(21)	BITSTRING	1	ODMVDWHFLAGS2	Flags Byte 2
33	(21)	BITSTRING	1	ODMVDWHDRLEN	Header Length not used @05C
33	(21)	BITSTRING	1	ODMVDWHVERSION	Version of waiters area
34	(22)	SIGNED	2	ODMVDWHELEN	Element Length, for growth
36	(24)	SIGNED	4	ODMVDWHVLCNT	Number of Vfs latches causing

Comment

contention

End of Comment

40	(28)	ADDRESS	4	ODMVDWHVLPTR	Address of 1st VFS holder
44	(2C)	SIGNED	4	ODMVDWHOWTCNT	Number of other waiting threads
48	(30)	ADDRESS	4	ODMVDWHOWTPTR	Address of 1st other waiters
52	(34)	SIGNED	4	ODMVDWHFLCCNT	Number of file latches causing contention
56	(38)	ADDRESS	4	ODMVDWHFLHPTR	Address of 1st file latch holderEAA
56	(38)	X'3C'	0	ODMVDWHEAD_#LEN	"60"
56	(38)	X'0'	0	ODMVDWHVERSION#ZERO	"0" Original waiters display
56	(38)	X'1'	0	ODMVDWHVERSION#ONE	"1" File system latch and Other

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Waiters table					
End of Comment					
56	(38)	X'2'	0	ODMVDWHVERSION#TWO	"2" New OdmvDWeVLHLatNum var
56	(38)	X'3'	0	ODMVDWHVERSION#THREE	"3" File latch holders/waiters
56	(38)	X'3C'	0	ODMVDWHEADER_LEN	** -ODMVDWHEADER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVDWELEMENT	Mount Latch / Xsys Elem
Comment					
----- HOLDER IS DOING: -----					
End of Comment					
0	(0)	CHARACTER	8	ODMVDWEPFNAME	Pfs Name / Glue Exit Name
8	(8)	CHARACTER	12	ODMVDWEOP	Vfs or Vnod Operation
20	(14)	CHARACTER	16	ODMVDWESTATE	State of operation

Comment					
OdmvDWeLatNum renamed to OdmvDWeLatWaitNum to clarify its use. OdmvDWeLatWaitNum should be used to obtain the latch number when OdmvDWeState indicates that the thread is in a latch wait. Use OdmvDWeVLHLatNum for the latch number of a file system latch holder causing contention.					
End of Comment					
36	(24)	SIGNED	4	ODMVDWELATNUM	Latch Number
36	(24)	SIGNED	4	ODMVDWELATWAITNUM	New name
40	(28)	CHARACTER	9	ODMVDWESYSNAME	BROADCAST or Xsys Member Name
40	(28)	CHARACTER	8	ODMVDWESYSNAME8	8 char member name
48	(30)	CHARACTER	1	ODMVDWESYSNAME1	T when BROADCAST or blank

Comment

common section for the latch holder, waiters and XSYS Message.

End of Comment					
49	(31)	BITSTRING	1	ODMVDWEFLAGS	Flags

Comment					
Bit definitions:					
End of Comment					
		1... ..		ODMVDWEFLAGFS	"X'80" 1 = OdmvDweFileSys has name
		.1.		ODMVDWEFLAG99	"X'40" 1 = OdmvDweHrs > 99
		..1.		ODMVDWELATCH	"X'20" 1 = Holder has latch number
		...1		ODMVDWEISDOING	"X'10" 1 = display ID DOING data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		ODMVDWELATACC	"X'08" 1 = Latch held EXCL for HOLDING line
		.... .1..		ODMVDWEVFSACC	"X'04" 1 = Latch held EXCL for File system latch table
		.... ..1.		ODMVDWEISVFSHOLDER	"X'02" 1 = Vfs table holder
		.... ...1		ODMVDWEVNODFILEOP	"X'01" 1 = display FILE data
50	(32)	SIGNED	2	ODMVDWEASID	Asid of holder,waiter,XSYS
52	(34)	CHARACTER	8	ODMVDWEUSERID	Userid of holder,waiter,XSYS
60	(3C)	CHARACTER	8	ODMVDWESYSMEM	Sysplex Member name
68	(44)	SIGNED	4	ODMVDWETCB	Tcb of holder,waiter,XSYS
72	(48)	CHARACTER	20	ODMVDWEREASON	Reason for holding,waiting
92	(5C)	SIGNED	4	ODMVDWEAGE	Age holding,waiting,XSYS
92	(5C)	BITSTRING	1	ODMVDWEHRS	Hours
93	(5D)	BITSTRING	1	ODMVDWEMINS	Minutes
94	(5E)	BITSTRING	1	ODMVDWESECS	Seconds
95	(5F)	BITSTRING	1		Reserved
96	(60)	CHARACTER	44	ODMVDWEFILESYS	File System of holder,waiter

Comment

 Unique declares for XSYS Messages.

End of Comment

140	(8C)	CHARACTER	284	ODMVDWEUNION	
140	(8C)	CHARACTER	284	ODMVDWEXSYS	
140	(8C)	CHARACTER	12	ODMVDWEMSGTYPE	Message Type
152	(98)	SIGNED	2	ODMVDWEFCODE	Function Code
154	(9A)	CHARACTER	1	ODMVDWEREQUEST	* = ASYNC, blank = SYNC
155	(9B)	CHARACTER	1		Reserved (padding)
156	(9C)	SIGNED	4	ODMVDWEONTCB	On TCB for RECV Xsys MSG
160	(A0)	CHARACTER	4	ODMVDWEREQID	Request Id
160	(A0)	BITSTRING	1	ODMVDWESYSNUM	System Number
161	(A1)	SIGNED	3	ODMVDWESEQNO	Sequence Number
164	(A4)	SIGNED	4	ODMVDWEMEMCNT	Number of OdmvDWeMemName
168	(A8)	CHARACTER	8	ODMVDWEMEMNAME	broadcast members @E2C

Comment

 File latch activity table

End of Comment

140	(8C)	CHARACTER	75	ODMVDWEFILELAT	
140	(8C)	CHARACTER	64	ODMVDWEFILELATFILENAME	Files name 64 characters
204	(CC)	SIGNED	4	ODMVDWEFILELATDEVNO	Files device number
208	(D0)	SIGNED	4	ODMVDWEFILELATINO	Files Inode number
212	(D4)	CHARACTER	2	ODMVDWEFILELATLSET	Files latch set ID
214	(D6)	BITSTRING	1	ODMVDWEFILELATFILETYPE	Files type

BPXZODMV Map

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

File system latch activity table						

End of Comment						
424	(1A8)	SIGNED	4	ODMVDWEVLWCNT	Number of Vfs latch waiters	
Comment						
Only valid on last holder for each latch						

HOLDING:						

End of Comment						
428	(1AC)	SIGNED	4	ODMVDWEHELDLATNUM		
Comment						

FILE:						

End of Comment						
432	(1B0)	CHARACTER	16	ODMVDWEFILENAME	Files name	
448	(1C0)	SIGNED	4	ODMVDWEDEVNO	Files device number	
452	(1C4)	SIGNED	4	ODMVDWEINO	Files Inode number	
Comment						

OTHER WAITING THREADS:						

End of Comment						
456	(1C8)	SIGNED	4	ODMVDWEPID	Pid of waiter	
460	(1CC)	BITSTRING	1	ODMVDWEFLAGS2	Flags2	
Comment						
Bit definitions:						

End of Comment						
461	(1CD)	CHARACTER	3	ODMVDWEHSM	"X'80" 1 = Doing an HSM recall Reserved	
Comment						
OdmvDWeVLHLatNum contains the latch number for a file system latch holder causing contention. This is the value that shows up under the FILE SYSTEM LATCH ACTIVITY table. It is only set for the holder. This field is used for the file system and file latch activity tables.						

End of Comment						
464	(1D0)	SIGNED	4	ODMVDWEVLHLATNUM	VFS/Vnod holder latch num	
468	(1D4)	CHARACTER	20	ODMVTIMESTAMP	Timestamp of start activity	
468	(1D4)	CHARACTER	10	ODMVDATE	Date	
478	(1DE)	CHARACTER	1	ODMVBLANK	blank space	
479	(1DF)	CHARACTER	8	ODMVTIME	Time	
487	(1E7)	CHARACTER	1		blank space	
488	(1E8)	SIGNED	4	ODMVDWEXCFSEQUENCE	XCF sequence	
488	(1E8)	X'1EC'	0	ODMVDWELEM_#LEN		

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
488	(1E8)	X'1EC'	0	ODMVDWELEMENT_LEN	"492" "*.ODMVDWELEMENT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVSOCKET	
0	(0)	CHARACTER	8	ODMVSOCKETJOBNAME	
8	(8)	SIGNED	4	ODMVINODENUM	Job name of socket owner
12	(C)	SIGNED	4	ODMVPINODENUM	Socket inode number
16	(10)	SIGNED	4	ODMVSTATE	Socket peer inode number
20	(14)	SIGNED	4	ODMVBYTESREAD	Current socket state
24	(18)	SIGNED	4	ODMVBYTESWRITTEN	Bytes read on socket
28	(1C)	CHARACTER	1	ODMVSOCKETNAMEFLG	Bytes written on socket
29	(1D)	CHARACTER	57	ODMVSOCKETNAME	Non 0 indicates socket has a name
86	(56)	CHARACTER	1	ODMVPEERNAMEFLG	Sockets name
87	(57)	CHARACTER	57	ODMVPEERNAME	Non 0 indicates peer has a name Sockets peer name

Comment

Decalre constant for OdmvSockets
Constants for OdmvState @DVA

End of Comment

87	(57)	X'1'	0	ODMV#STRM	"1" Unconnected stream socket
87	(57)	X'2'	0	ODMV#DGRAM	"2" Datagram socket
87	(57)	X'3'	0	ODMV#LISTEN	"3" Stream socket that accepts conections
87	(57)	X'4'	0	ODMV#ACP	"4" Accepted stream socket
87	(57)	X'5'	0	ODMV#CONN	"5" Connected stream socket
87	(57)	X'90'	0	ODMVSOCKET_LEN	"*.ODMVSOCKET"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVDYNSERV	Dynamic Service Header
0	(0)	SIGNED	4	ODMVDYNSERVVERNUM	Version Number Of OdmvDynServ Structure
4	(4)	SIGNED	4	ODMVDYNSERVACTCNT	Number of dynamic service activations
8	(8)	SIGNED	4	ODMVDYNSERVCSASTG	Amount of CSA storage used for all activations
12	(C)	SIGNED	4	ODMVDYNSERVPTSTG	Amount of OMVS PVT storage used for all activations
16	(10)	ADDRESS	4	ODMVDYNSERVACTPTR	Ptr to the first DynAct structure.
16	(10)	X'14'	0	ODMVDYNSERV_LEN	"*.ODMVDYNSERV"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVDYNACT	
0	(0)	CHARACTER	44	ODMVDYNACTLINKLIB	LinkLib library name
44	(2C)	CHARACTER	6	ODMVDYNACTLINKLIBVOL	LinkLib volume
50	(32)	CHARACTER	44	ODMVDYNACTLPALIB	Lpalib library name
94	(5E)	CHARACTER	6	ODMVDYNACTLPAVOL	Lpalib volume
100	(64)	SIGNED	4	ODMVDYNACTITEMCNT	Number of Service Items in the activation instance

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
104	(68)	ADDRESS	4	ODMVDYNACTNEXTPTR	Address of Next OdmvDynAct
108	(6C)	ADDRESS	4	ODMVDYNACTITEMPTR	Address of 1st OdmvDynActItem
108	(6C)	X'70'	0	ODMVDYNACT_LEN	** -ODMVDYNACT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVDYNACTITEM	Service items in dynamic activation
0	(0)	CHARACTER	7	ODMVDYNACTITEMNAME	Service Item Name
7	(7)	CHARACTER	1		
7	(7)	X'8'	0	ODMVDYNACTITEM_LEN	** -ODMVDYNACTITEM"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVMFHEADER	Mount Failure Header
0	(0)	SIGNED	4	ODMVMFHCOUNT	Count of Mount Failures
4	(4)	ADDRESS	4	ODMVMFHENTRYPTR	Ptr to 1st OdmvMFEntry
8	(8)	CHARACTER	18	ODMVMFHPTIME	Purge date & time in EBCDIC
8	(8)	CHARACTER	10	ODMVMFHDATE	yyyy/mm/dd
8	(8)	CHARACTER	4	ODMVMFHYEAR	
12	(C)	CHARACTER	1	ODMVMFHSLASH1	
13	(D)	CHARACTER	2	ODMVMFHMONT	
15	(F)	CHARACTER	1	ODMVMFHSLASH2	
16	(10)	CHARACTER	2	ODMVMFHDAY	
18	(12)	CHARACTER	8	ODMVMFHTIME	hh:mm:ss
18	(12)	CHARACTER	2	ODMVMFHSHH	
20	(14)	CHARACTER	1	ODMVMFHDOT1	
21	(15)	CHARACTER	2	ODMVMFHMM	
23	(17)	CHARACTER	1	ODMVMFHDOT2	
24	(18)	CHARACTER	2	ODMVMFHSS	
26	(1A)	CHARACTER	2		Alignment
28	(1C)	CHARACTER	1	ODMVMFHEND	
				(0)	
28	(1C)	X'1C'	0	ODMVMFHDR#LEN	"28"
28	(1C)	X'1C'	0	ODMVMFHEADER_LEN	** -ODMVMFHEADER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVMFENTRY	Mount Failure Entry
0	(0)	ADDRESS	4	ODMVMFNEXT	+00 Next OdmvMF on the chain

Comment

 Any changes to OdmvMFDsplInfo should also be made to
 MfdbDsplInfo.

End of Comment

4	(4)	CHARACTER	236	ODMVMFDSPININFO	Displayable Information:
4	(4)	SIGNED	4	ODMVMFMNTCODE	+04 Mount Entry Code
8	(8)	SIGNED	4	ODMVMFRETCODE	+08 Failing Return Code
12	(C)	SIGNED	4	ODMVMFRSNCODE	+0C Failing Reason Code
16	(10)	SIGNED	4	ODMVMFPATHNAMELEN	+10 Path Name Length
20	(14)	SIGNED	4	ODMVMFPARMDATALEN	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					+14 Parameter Length
24	(18)	CHARACTER	18	ODMVMFTODEBC	+18 OdmvMFTOD in EBCDIC
24	(18)	CHARACTER	10	ODMVMFDATE	+18 yyyy/mm/dd
24	(18)	CHARACTER	4	ODMVMFYEAR	
28	(1C)	CHARACTER	1	ODMVMFSLASH1	
29	(1D)	CHARACTER	2	ODMVMFMONTH	
31	(1F)	CHARACTER	1	ODMVMFSLASH2	
32	(20)	CHARACTER	2	ODMVMFDAY	
34	(22)	CHARACTER	8	ODMVMFTIME	+22 hh:mm:ss
34	(22)	CHARACTER	2	ODMVMFHH	
36	(24)	CHARACTER	1	ODMVMFDOT1	
37	(25)	CHARACTER	2	ODMVMFMM	
39	(27)	CHARACTER	1	ODMVMFDOT2	
40	(28)	CHARACTER	2	ODMVMFSS	
42	(2A)	BITSTRING	2	ODMVMFFLAGS	+2A Flags

Comment

Bit definitions:

End of Comment

		1... ..		ODMVMFMOVEFAILURE	
					"X'80" Move operation failed
44	(2C)	CHARACTER	8	ODMVMFFSTYPE	+2C File System Type
52	(34)	CHARACTER	8	ODMVMFDDNAME	+34 DD Name (or zeros)
60	(3C)	CHARACTER	8	ODMVMFSYSNAME	+3C System Name (or zeros)
68	(44)	CHARACTER	8	ODMVMFPARMMEM	+44 Parmlib member (or zeros)
76	(4C)	CHARACTER	44	ODMVMFFSNAME	+4C File System Name
120	(78)	CHARACTER	60	ODMVMFPATHNAME	+78 Path Name Buffer
180	(B4)	CHARACTER	60	ODMVMFPARMDATA	+B4 Parameter Buffer
240	(F0)	CHARACTER	1	ODMVMFEND (0)	+F0
240	(F0)	X'F0'	0	ODMVMFENTRY#LEN	"240"

Comment

VersionNumber values are defined here

End of Comment

240	(F0)	X'10'	0	ODMVVER#ONE	"16" Version 1.0 Constant
240	(F0)	X'11'	0	ODMVVER#ONEONE	"17" Version 1.1 Constant
240	(F0)	X'12'	0	ODMVVER#ONETWO	"18" Version 1.2 Constant

Comment

Return Code values are defined here

End of Comment

240	(F0)	X'0'	0	ODMVSUCCESS	"0" Execution successful
240	(F0)	X'4'	0	ODMVNOTFOUND	"4" ASID or UID not found
240	(F0)	X'8'	0	ODMVFSGMNEROR	"8" Error calling FSGMN
240	(F0)	X'C'	0	ODMVBUFFER	"12" Buffer too small
240	(F0)	X'10'	0	ODMVFLAGS	"16" Input flags invalid
240	(F0)	X'14'	0	ODMVAUTH	"20" Wrong authority
240	(F0)	X'18'	0	ODMVINVPTR	"24" Ptr. to ODMVOUT zero
240	(F0)	X'1C'	0	ODMVOMVSINACT	"28" OMVS Inactive
240	(F0)	X'1D'	0	ODMV#MFDBLATCH	"29" Mfdb latch failure
240	(F0)	X'20'	0	ODMV#ISGLSLSPERR	"32" ISGLSLSP failed

BPXZODMV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
OdmvPrLimits/OdmvSystemLimits constant defined here					
End of Comment					
240	(F0)	BITSTRING	0	ODMV#UNLIMITED	"X'FFFFFFF"
Comment					
OdmvStatus/OdmvThdStatus constants are defined here					
Constants for OdmvStatus3					
End of Comment					
240	(F0)	X'E9'	0	ODMVZOMBIE	"C'Z" Process terminated and parent has not complete wait
240	(F0)	X'D3'	0	ODMVZOMBIE2	"C'L' Process terminated and still session or " process group leader
240	(F0)	X'D8'	0	ODMVQUIESCET	"C'Q" Quiese termination wait
Comment					
Constants for OdmvStatus3 and OdmvThdStatus2					
End of Comment					
240	(F0)	X'C1'	0	ODMVMSGRCV	"C'A" IPC msgrcv wait
240	(F0)	X'C2'	0	ODMVMSGSDND	"C'B" IPC msgsnd wait
240	(F0)	X'C3'	0	ODMVWAITC	"C'C" Comm KernelWait
Comment					
When a PID value is present in the message, D means Semop					
When there is no PID yet, D means waiting to be dubbed					
End of Comment					
240	(F0)	X'C4'	0	ODMVSEMOP	"C'D" IPC semop wait
240	(F0)	X'C4'	0	ODMVDUBWAIT	"C'D" Waiting for DUB
240	(F0)	X'C6'	0	ODMVWAITF	"C'F" File System Kernel Wait
240	(F0)	X'C7'	0	ODMVMVSPAUSE	"C'G" MVSPause
240	(F0)	X'D9'	0	ODMVRUN	"C'R" Not kernel wait
240	(F0)	X'E2'	0	ODMVSLEEP	"C'S" sleep() issued
240	(F0)	X'E3'	0	ODMVBRL	"C'T" Byte Range Lock Wait
240	(F0)	X'E7'	0	ODMVFORK	"C'X" fork new process
240	(F0)	X'E6'	0	ODMVCHILD	"C'W" Waiting for child
Comment					
Constants for OdmvStatus3 and OdmvThdStatus5					
End of Comment					
240	(F0)	X'C5'	0	ODMVFREEZE	"C'E" Quiesce Freeze
Comment					
Constants for OdmvThdStatus1					
End of Comment					
240	(F0)	X'D1'	0	ODMVPTHDCREATED	"C'J" Pthread created
Comment					
Constants for OdmvThdStatus2					
End of Comment					
240	(F0)	X'E8'	0	ODMVMVSWAIT	"C'Y" MVS wait
Comment					
Constants for OdmvThdStatus3					
End of Comment					
240	(F0)	X'D5'	0	ODMVMEDIUMWGHT	"C'N" Medium weight thread

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
240	(F0)	X'D6'	0	ODMVASYNCH	"C'O" Asynchronous thread
240	(F0)	X'E4'	0	ODMVIPT	"C'U" Initial process thread
Comment					
Constants for OdmvThdStatus4					
End of Comment					
240	(F0)	X'E5'	0	ODMVDETACHED	"C'V" Thread is detached
Comment					
Constants for OdmvThdStatus5					
End of Comment					
240	(F0)	X'D7'	0	ODMVPTRACE	"C'P" Ptrace kernel wait
Comment					
Constants for OdmvThdStatus6					
End of Comment					
240	(F0)	X'C2'	0	ODMVBLOCKED	"C'B" registered blocker
240	(F0)	X'D7'	0	ODMVPERM	"C'P" registered perm process
240	(F0)	X'D9'	0	ODMVCRESPAWN	"C'R" respawnable process
Comment					
Constants for OdmvThdStatus7					
End of Comment					
240	(F0)	X'E3'	0	ODMVCUTRACED	"C'T" User Traced process
Comment					
Following constant are not returned by BPXEKDA. See remarks how to get those information					
End of Comment					
240	(F0)	X'F1'	0	ODMVONETASK	"C'1" Only one dubbed task
Comment					
OdmvMulThread=On					
End of Comment					
240	(F0)	X'D4'	0	ODMVMULTTHDS	"C'M" Multiple threads which were NOT pthread_create()'ed and has not issued a wait
Comment					
OdmvPthread=On					
End of Comment					
240	(F0)	X'C8'	0	ODMVPTHREADS	"C'H" Multiple threads exist. Some created by pthread_create
Comment					
OdmvStopped=On					
End of Comment					
240	(F0)	X'E3'	0	ODMVSTOPST	"C'T" stopped
Comment					
OdmvSwap=On					
End of Comment					
240	(F0)	X'C9'	0	ODMVSWAPPED	"C'I" Swapped out

BPXZODMV Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Reserved Constants					
End of Comment					
240	(F0)	X'D2'	0	ODMVWAITO	"C'K" Other Kernel Wait
240	(F0)	X'F0'	0	ODMVMFENTRY_LEN	""-ODMVMFENTRY"

BPXZODMV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMV	0		ODMVCINETALL	D	80
ODMV_LEN	60	60	ODMVCINETCOUNT		
ODMV#ACP	57	4		64E	
ODMV#CONN	57	5	ODMVCINETCOUNTS		
ODMV#DGRAM	57	2		478	
ODMV#ISGLSLSPERR			ODMVCINETETPNAME		
	F0	20		0	
ODMV#LISTEN	57	3	ODMVCINETFLAGS		
ODMV#MFDLATCH				3C	
	F0	1D	ODMVCINETHIFACTIVE		
ODMV#RECYCLEMOUNTING				3F	1
	18C	2	ODMVCINETHOME@		
ODMV#RECYCLEMOUNTSPEND				8	
	18C	3	ODMVCINETHOMECNT		
ODMV#RECYCLING				478	
	18C	1	ODMVCINETHOMECNT6		
ODMV#STRM	57	1		0	
ODMV#UNLIMITED			ODMVCINETHOMEIF@		
	F0	FFFFFF		40	
ODMVACTIVEFILES			ODMVCINETHOST@		
	60			14	
ODMVACTSERV	D	1	ODMVCINETHOSTCNT		
ODMVADUBWS	E	2		47C	
ODMVAGGNAME	1E4		ODMVCINETHOSTCNT6		
ODMVALLMF	D	4		4	
ODMVALTROOT	459	40	ODMVCINETMASK		
ODMVALTROOTFS				2C	
	28		ODMVCINETMETRIC		
ODMVASID	18			38	
ODMVASIDALLS	C	40	ODMVCINETMSGNUM		
ODMVASIDPARM	14			4D8	
ODMVASIDS	C	20	ODMVCINETNETW@		
ODMVASYNCH	F0	D6		20	
ODMVAUTH	F0	14	ODMVCINETNETWCNT		
ODMVAUTHPGMLIST				480	
	4E5		ODMVCINETNETWCNT6		
ODMVAUTHPGMLISTLEN				8	
	4E4		ODMVCINETPORT		
ODMVAUTOCVT	458	2		64C	
ODMVAUTOCVTALL			ODMVCINETRTYPE		
	459	8		10	
ODMVBLANK	1DE		ODMVCINETTP	D	40
ODMVBLOCKED	F0	C2	ODMVCINETTPNAME		
ODMVBLOCKREG	35	8		1E	
ODMVBRL	F0	E3	ODMVCINET6	0	
ODMVBRLMSRV	488		ODMVCINET6_LEN		
ODMVBRLS	8	40		40	44
ODMVBUFFER	F0	C	ODMVCINET6_LEN		
ODMVBYTESREAD				40	44
	14		ODMVCINET6BITS		
ODMVBYTESWRITTEN				3B	
	18		ODMVCINET6ETPNAME		
ODMVCAPS	4DC	80		0	
ODMVCBGEN06	4C0		ODMVCINET6FLAGS		
ODMVCHILD	F0	E6		38	
ODMVCHILDMAX	3C		ODMVCINET6HOME		
ODMVCINET	0			3B	4
ODMVCINET_LEN			ODMVCINET6HOST		
	40	44		3B	2

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMVCINET6IPV6@			ODMVDWEMINS	5D	
	8		ODMVDWEMSGTYPE		
ODMVCINET6METRIC	34			8C	
ODMVCINET6NET			ODMVDWEONTCB	9C	
	3B	1	ODMVDWEOP	8	
ODMVCINET6PLEN	28		ODMVDWEPFSNAME		
ODMVCINET6PTR	C			0	
ODMVCINET6RTYPE	3C		ODMVDWEPID	1C8	
	6C		ODMVDWEREASON		
ODMVCRESPAWN	F0	D9		48	
ODMVCSTATE	34		ODMVDWEREQID	A0	
ODMVCT	2C		ODMVDWEREQUEST		
ODMVCUTRACED	F0	E3		9A	
ODMVDATE	1D4		ODMVDWESECS	5E	
ODMVDDETACHED	F0	E5	ODMVDWESEQNO	A1	
ODMVDEVICE	0		ODMVDWESTATE	14	
ODMVDUBWAIT	F0	C4	ODMVDWESYSMEM		
ODMVDWEAGE	5C			3C	
ODMVDWEASID	32		ODMVDWESYSNAME		
ODMVDWEDEVNO	1C0			28	
ODMVDWEFCODE	98		ODMVDWESYSNAME1		
ODMVDWEFILELAT				30	
	8C		ODMVDWESYSNAME8		
ODMVDWEFILELATDEVNO	CC			28	
			ODMVDWESYSNUM		
ODMVDWEFILELATFILENAME	8C			A0	
			ODMVDWETCB	44	
ODMVDWEFILELATFILETYPE	D6		ODMVDWEUNION	8C	
			ODMVDWEUSERID		
ODMVDWEFILELATINO	D0			34	
ODMVDWEFILELATLSET	D4		ODMVDWEVFSACC		
ODMVDWEFILENAME	1B0			31	4
			ODMVDWEVLHLATNUM		
ODMVDWEFILESYS	60			1D0	
			ODMVDWEVLWCNT		
ODMVDWEFLAGFS	31	80		1A8	
			ODMVDWEVNODFILEOP		
ODMVDWEFLAGS	31			31	1
ODMVDWEFLAGS2	1CC		ODMVDWEXCFSEQUENCE		
				1E8	
ODMVDWEFLAG99	31	40	ODMVDWEXSYS	8C	
			ODMVDWHDRLEN	21	
ODMVDWEHLDLATNUM	1AC		ODMVDWHEAD_#LEN		
				38	3C
ODMVDWEHRS	5C		ODMVDWHEADER	0	
ODMVDWEHSM	1CC	80	ODMVDWHEADER_LEN		
ODMVDWEINO	1C4			38	3C
ODMVDWEISDOING	31	10	ODMVDWHELEN	22	
			ODMVDWHFLAGS	20	
ODMVDWEISVFSHOLDER	31	2	ODMVDWHFLAGS1		
				20	
ODMVDWELATACC	31	8	ODMVDWHFLAGS2		
				21	
ODMVDWELATCH	31	20	ODMVDWHFLCCNT		
				34	
ODMVDWELATNUM	24		ODMVDWHFLHPTR		
				38	
ODMVDWELATWAITNUM	24		ODMVDWHMLHCNT		
				0	
ODMVDWELEM_#LEN	1E8	1EC	ODMVDWHMLHPTR		
				4	
ODMVDWELEMENT	0		ODMVDWHMLWCNT		
				8	
ODMVDWELEMENT_LEN	1E8	1EC	ODMVDWHMLWPTR		
				C	
ODMVDWEMEMCNT	A4		ODMVDWHOWTCNT		
				2C	
ODMVDWEMEMNAME	A8		ODMVDWHOWTPTR		
				30	
			ODMVDWHSYSPLEX		
				20	80
			ODMVDWHVERSION		
				21	
			ODMVDWHVERSION#ONE		

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMVDWHVERSION#THREE	38	1	ODMVFLAGS	F0	10
ODMVDWHVERSION#TWO	38	3	ODMVFLAGWORD01	458	
ODMVDWHVERSION#ZERO	38	2	ODMVFLAGWORD02	484	
ODMVDWHVLCNT	38	0	ODMVFLAGWORD03	4DC	
ODMVDWHVLPTR	24		ODMVFORK	F0	E7
ODMVDWHXRECVCNT	28		ODMVFORKCOPY	458	80
ODMVDWHXRECVPTR	18		ODMVFREEZE	F0	C5
ODMVDWHXRECVPTR	1C		ODMVFSCLIENT	D8	
ODMVDWHXSENTCNT	10		ODMVFSDOT1	22C	
ODMVDWHXSENTPTR	14		ODMVFSDOT2	22F	
ODMVDYNACT	0		ODMVFSFILETAG	DC	
ODMVDYNACT_LEN	6C	70	ODMVFSGMNERROR	F0	8
ODMVDYNACTITEM	0		ODMVFSHH	22A	
ODMVDYNACTITEM_LEN	7	8	ODMVFSLATNUM	218	
ODMVDYNACTITEMCNT	64		ODMVFSMM	22D	
ODMVDYNACTITEMNAME	0		ODMVFSMTDATA	220	
ODMVDYNACTITEMPTR	6C		ODMVFSMTDATE	220	
ODMVDYNACTLINKLIB	0		ODMVFSMTDAY	228	
ODMVDYNACTLINKLIBVOL	2C		ODMVFSMTMONTH	225	
ODMVDYNACTLPALIB	32		ODMVFSMTTIME	22A	
ODMVDYNACTLPAVOL	5E		ODMVFSMTYEAR	220	
ODMVDYNACTNEXTPTR	68		ODMVFSMTYY	222	
ODMVDYNSERV	0		ODMVFSNAME	20	
ODMVDYNSERV_LEN	10	14	ODMVFSNOAUTOMOVE	CC	
ODMVDYNSERVACTCNT	4		ODMVFSOWNER	C4	
ODMVDYNSERVACTPTR	10		ODMVFSPPFSEXCPSTATUS	26A	
ODMVDYNSERVCSASTG	8		ODMVFSPPFSNORMALSTATUS	232	
ODMVDYNSERVPTR	4A0		ODMVFSQLATNUM	21C	
ODMVDYNSERVVPTSTG	C		ODMVFSQLATNUM	21C	
ODMVDYNSERVVERNUM	0		ODMVFSSSH1	224	
ODMVEND	670		ODMVFSSSH2	227	
ODMVEUID	98		ODMVFSSSH	230	
ODMVEXCEPTION	8	1	ODMVFSUID	9	4
ODMVEXTOPTDATAPTR	494		ODMVFSUSRMNTUID	2A4	
ODMVEXTOPTIONSDATA	0		ODMVGENERALFLAGS	3C	
ODMVEXTOPTIONSDATA_LEN	64	70	ODMVGEN01	C	
ODMVFILE	0		ODMVGEN02	C	
ODMVFILE_LEN	2A4	2A8	ODMVGEN04	2F8	
ODMVFILES	C	80	ODMVGEN05	35	40
ODMVFLAGBYTE01	458		ODMVGEN07	2D	
ODMVFLAGBYTE02	459		ODMVID	0	
			ODMVINBYTEM1	C	
			ODMVINBYTEM2	D	
			ODMVINBYTEM3	E	
			ODMVINBYTEM4	F	
			ODMVINBYTE1	8	
			ODMVINBYTE2	9	
			ODMVINFLAGS	8	
			ODMVINFLAGSM	C	
			ODMVINODENUM	8	
			ODMVINPUTEND	60	
			ODMVINPUTPARMS	8	
			ODMVINVPTR	F0	18
			ODMVIPT	F0	E4
			ODMVIPV6	0	
			ODMVIPV6_LEN	C	10
			ODMVIPV6PTR	498	
			ODMVJOBNAME	0	
			ODMVKERNELASID	E	
			ODMVLATCHWAITPID	38	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMVLIMITS	D	20		84	
ODMVLIMITSPTR			ODMVMAXSHMMPAGESBIN	24	
	490		ODMVMAXSHMMPAGESBM	24	
ODMVLIMMSGPROC	458	4	ODMVMAXSHMMPAGESM	27	
ODMVLIMMSGSYS	458	8	ODMVMAXSHMNIDS	7C	
ODMVLOSTMSG	459	10	ODMVMAXSHMNSEGS	88	
ODMVMAXASSIZE			ODMVMAXSHMSPAGES	80	
	5C		ODMVMAXSHMSPAGESBIN	20	
ODMVMAXASSIZEBIN	14		ODMVMAXSHMSPAGESBM	20	
ODMVMAXASSIZEBINM	14		ODMVMAXSHMSPAGESM	23	
ODMVMAXASSIZEM	17		ODMVMAXSHRPAGES	6C	
ODMVMAXCORESIZE	68		ODMVMAXSHRPAGESBIN	1C	
ODMVMAXCORESIZEB	10		ODMVMAXSHRPAGESBINM	1C	
ODMVMAXCORESIZEBIN	459	80	ODMVMAXSHRPAGESM	1F	
ODMVMAXCORESIZEBINM	10		ODMVMAXTHREADS	60	
ODMVMAXCORESIZEM	13		ODMVMAXTHREADTASKS	64	
ODMVMAXCPUTIME	48		ODMVMAXUSERS	4C	
ODMVMAXFILEPROC	40		ODMVMEDIUMWGHT	F0	D5
ODMVMAXFILES	64		ODMVMFDATE	18	
ODMVMAXFILESIZE	44		ODMVMFDAY	20	
ODMVMAXFILESIZEBIN	C		ODMVMFDDNAME	34	
ODMVMAXFILESIZEBINM	C		ODMVMFDOT1	24	
ODMVMAXFILESIZEM	F		ODMVMFDOT2	27	
ODMVMAXFILESIZEMHLBINM	90		ODMVMFDSPINFO	4	
ODMVMAXFILESIZEMSLBINM	94		ODMVMFEND	F0	
ODMVMAXIOBUFUSER	650		ODMVMFENTRY	0	
ODMVMAXMMAPAREA	58		ODMVMFENTRY_LEN	F0	F0
ODMVMAXMMAPAREABIN	18		ODMVMFENTRY#LEN	F0	F0
ODMVMAXMMAPAREABINM	18		ODMVMFFLAGS	2A	
ODMVMAXMMAPAREAM	1B		ODMVMFFSNAME	4C	
ODMVMAXMSGNIDS	70		ODMVMFFSTYPE	2C	
ODMVMAXMSGQBYTES	74		ODMVMFHCOUNT	0	
ODMVMAXMSGQMNUM	78		ODMVMFHDATE	8	
ODMVMAXPIPEUSER	60		ODMVMFHDAY	10	
ODMVMAXPROCSYS	38		ODMVMFHDOT1	14	
ODMVMAXPTYS	54		ODMVMFHDOT2	17	
ODMVMAXQUEUEEDSIG	444		ODMVMFHDR#LEN	1C	1C
ODMVMAXRTYS	50		ODMVMFHEADER	0	
ODMVMAXSEM	8C		ODMVMFHEADER_LEN	1C	1C
ODMVMAXSEM	94		ODMVMFHEND	1C	
ODMVMAXSEM	90		ODMVMFHENTRYPTR	4	
ODMVMAXSHMMPAGES			ODMVMFH	22	
			ODMVMFH	12	
			ODMVMFH	15	
			ODMVMFH	D	
			ODMVMFH	8	
			ODMVMFHSLASH1	C	
			ODMVMFHSLASH2	F	
			ODMVMFHSS	18	
			ODMVMFH	12	

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMVMFHYEAR	8		ODMVPARTIAL	484	80
ODMVMFMM	25		ODMVPATH	4C	
ODMVMFMNTCODE	4		ODMVPEERNAME	57	
ODMVMFMONTH	1D		ODMVPEERNAMEFLG		
ODMVMFMOVEFAILURE	2A	80		56	
ODMVMFNEXT	0		ODMVPERM	F0	D7
ODMVMFPARMDATA	B4		ODMVPERMREG	35	4
ODMVMFPARMDATALEN	14		ODMVPFS	0	
ODMVMFPARMMEM	44		ODMVPFS_LEN	18C	1C8
ODMVMFPATHNAME	78		ODMVPFS#HFS_0TO3	C	C6E240
ODMVMFPATHNAMELEN	10		ODMVPFS#HFS_4TO7	C	404040
ODMVMFRETCODE	8		ODMVPFSASNAME	10C	
ODMVMFRSNCODE	C		ODMVPFSBIT	C	1
ODMVMFSLASH1	1C		ODMVPFSBLANK	2C	
ODMVMFSLASH2	1F		ODMVPFSCHARS	0	
ODMVMFSS	28		ODMVPFSCOUNTS	46C	
ODMVMFSSYSNAME	3C		ODMVPFSCURRENTVALUES	E4	
ODMVMFTIME	22		ODMVPFSDATE	F8	
ODMVMFTODEBC	18		ODMVPFSDESCRIPTION	8	
ODMVMFYEAR	18		ODMVPFSDOT1	F2	
ODMVMOUNTMODE	1C		ODMVPFSDOT2	F5	
ODMVMOUNTPARM	8B		ODMVPFSENTRY	1C	
ODMVMMSGRCV	F0	C1	ODMVPFSFIXED	E4	
ODMVMMSGSND	F0	C2	ODMVPFSFLAGS	29	
ODMVMULTHREAD	35	20	ODMVPFSHH	F0	
ODMVMULTTHDS	F0	D4	ODMVPFSHWMSOCK	DC	
ODMVMVSPAUSE	F0	C7	ODMVPFSMAXSOCK	D4	
ODMVMVSWAIT	F0	E8	ODMVPFSMM	F3	
ODMVNAME	8	2	ODMVPFSNAME	0	
ODMVNONEMPTYMNTPT	5C		ODMVPFSNAMECOUNT	470	
ODMVNOTFOUND	F0	4	ODMVPFSNUMS	D4	
ODMVODCA	4D0		ODMVPFSOPNSOCK	D8	
ODMVOMVSINACT	F0	1C	ODMVPFSPARMCOUNT	474	
ODMVOMVSPROC	4		ODMVPFSPARMLEN	E0	
ODMVONETASK	F0	F1	ODMVPFSPARMS	2C	
ODMVOPTIONS	C	4	ODMVPFSRECYSTATUS	EC	
ODMVOPTIONSDATA	38		ODMVPFSRECYTIME	F0	
ODMVOUT	0		ODMVPFSOCKET	8	
ODMVOUT_LEN	670	670	ODMVPFSSS	F6	
ODMVOUTARRAY	0		ODMVPFSSTARTTIME	F8	
ODMVOUTARRAY_LEN	0	4	ODMVPFSSTATUS	24	
ODMVOUTARRAYELEMPT	0		ODMVPFSSTATUSINFO	114	
ODMVOUTARRAYPTR	460		ODMVPFSSTLINE1	114	
ODMVOUTARRAYSIZE	45C		ODMVPFSSTLINE2	150	
ODMVOUTPTR	4		ODMVPFSSTLINE3	18C	
ODMVOUTPUTADDR	4C4		ODMVPFSTIME	103	
ODMVOUTPUTALET	4C0		ODMVPFSTYPECOUNT	46C	
ODMVOUTPUTALETADDR	4C0		ODMVPFSVFS	10	
ODMVOWNER	8	8	ODMVPFSVIRTUAL	E8	
ODMVPARMMEMLIST	10		ODMVPID	10	
			ODMVPIDPARM	10	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMVPIIDS	C	2		64	
ODMVPINODENUM			ODMVPRCLIPCSHMNSEGSH	68	
	C		ODMVPRCLIPCSHMNSEGSM	6C	
ODMVPIPES	E	10	ODMVPRCLMAXASSIZEC	4	
ODMVPIPESALL	E	8	ODMVPRCLMAXASSIZEH	8	
ODMVPIPESRESET			ODMVPRCLMAXASSIZEM	C	
	9	2	ODMVPRCLMAXCORESIZEMHL	74	
ODMVPIPESUMELEMNT	0		ODMVPRCLMAXCORESIZEMSL	70	
ODMVPIPESUMELEMNT_LEN	8	10	ODMVPRCLMAXCPUC	10	
ODMVPIPESUMHDR			ODMVPRCLMAXCPUH	14	
	0		ODMVPRCLMAXCPUM	18	
ODMVPIPESUMHDR_LEN	C	10	ODMVPRCLMAXFILEPROCC	1C	
ODMVPIPEUID	E	4	ODMVPRCLMAXFILEPROCH	20	
ODMVPIPEUID#MAXENT			ODMVPRCLMAXFILEPROCML	28	
	8	A	ODMVPRCLMAXFILEPROCMSL	24	
ODMVPIPEUIDELEMNT	0		ODMVPRCLMAXFILESIZEMHL	30	
ODMVPIPEUIDELEMNT_LEN	8	10	ODMVPRCLMAXFILESIZEMSL	2C	
ODMVPIPEUIDHDR			ODMVPRCLMAXMEMLIMITCDW	78	
	0		ODMVPRCLMAXMEMLIMITCH	78	
ODMVPIPEUIDHDR_LEN	10	10	ODMVPRCLMAXMEMLIMITCL	7C	
	14		ODMVPRCLMAXMEMLIMITHDW	80	
ODMVPPID	0		ODMVPRCLMAXMEMLIMITHH	80	
ODMVPRCL	98	AC	ODMVPRCLMAXMEMLIMITHL	84	
ODMVPRCL_LEN			ODMVPRCLMAXMEMLIMITMDWH	8C	
ODMVPRCLFBYTE1	0		ODMVPRCLMAXMEMLIMITMDWHB	8C	
ODMVPRCLFBYTE2	1		ODMVPRCLMAXMEMLIMITMDWHM	8F	
ODMVPRCLFBYTE3			ODMVPRCLMAXMEMLIMITMDWS	88	
ODMVPRCLFBYTE4	2		ODMVPRCLMAXMEMLIMITMDWSB	88	
ODMVPRCLFCHANGED	3		ODMVPRCLMAXMEMLIMITMDWSM	8B	
	0		ODMVPRCLMAXPROCUSERC	34	
ODMVPRCLFCORESIZHBIN	2	80	ODMVPRCLMAXPROCUSERH	38	
ODMVPRCLFCORESIZSBIN	1	80	ODMVPRCLMAXPROCUSERM	3C	
ODMVPRCLFIPCSHMNSEGS	0	1	ODMVPRCLMAXQUEUEDSIGSC	40	
ODMVPRCLFMAXASSIZE	0	80	ODMVPRCLMAXQUEUEDSIGSH	44	
ODMVPRCLFMAXCORESIZE	1	2	ODMVPRCLMAXQUEUEDSIGSM	48	
ODMVPRCLFMAXCPU	0	40	ODMVPRCLMAXTHREADSC	4C	
ODMVPRCLFMAXFILEPROC	0	20	ODMVPRCLMAXTHREADSH	50	
ODMVPRCLFMAXFILESIZE	1	40	ODMVPRCLMAXTHREADSM		
ODMVPRCLFMAXMEMLHBIN	1	4			
ODMVPRCLFMAXMEMLIMIT	1	20			
ODMVPRCLFMAXMEMLSBIN	1	8			
ODMVPRCLFMAXMLIMITSET	1	10			
ODMVPRCLFMAXPROCUSER	0	10			
ODMVPRCLFMAXQUEUEDSIGS	0	8			
ODMVPRCLFMAXTHREADS	0	4			
ODMVPRCLFMAXTHREADTASKS	0	2			
ODMVPRCLIMITS	484	20			
ODMVPRCLIPCSHMNSEGSC					

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	54		ODMVRESERVED09		
ODMVPRCLMAXTHREADTASKSC				438	
	58		ODMVRESERVED1		
ODMVPRCLMAXTHREADTASKSH				58	
	5C		ODMVRESERVED10		
ODMVPRCLMAXTHREADTASKSM				2F4	
	60		ODMVRESERVED11		
ODMVPRIORITYGOAL				4A8	
	2F8		ODMVRESETSYSLHW		
ODMVPRIORITYPG				8	20
	2A4		ODMVRESPAWN	35	2
ODMVPROCESS	0		ODMVRESPROCLEN		
ODMVPROCESS_LEN				0	
	A4	AC	ODMVRESPROCNAME		
ODMVPROTPGPTR				4	
	4E0		ODMVRETCODE	4D4	
ODMVPSEACTCNT			ODMVROSECL	210	
	4		ODMVRUID	94	
ODMVPSEHWCNT	6		ODMVRUN	F0	D9
ODMVPSEUID	0		ODMVSECLABEL	A4	
ODMVPSEUSERID			ODMVSECONDARYDATA		
	8			45C	
ODMVPSHELECNT			ODMVSEMOP	F0	C4
	0		ODMVSER	D	10
ODMVPSHELETABPTR			ODMVSER#CONDVAR_0TO3		
	4			8	D6D5C4
ODMVPSHFLAGS	8		ODMVSER#CONDVAR_4TO7		
ODMVPSHHWUSAGE				8	C1D940
	8	80	ODMVSER#MUTEX_0TO3		
ODMVPSHMAXPIPEUSER				8	E4E3C5
	C		ODMVSER#MUTEX_4TO7		
ODMVPTHDCREATED				8	404040
	F0	D1	ODMVSERADDR	10	
ODMVPTHREAD	35	10	ODMVSERADDRA	1C	
ODMVPTHREADS	F0	C8	ODMVSERADDRHI		
ODMVPTRACE	F0	D7		10	
ODMVPUACTCNT	4		ODMVSERADDRHIA		
ODMVPULECNT	4			1C	
ODMVPULELETABPTR			ODMVSERADDRLO		
	8			14	
ODMVPUFLAGS	C		ODMVSERADDRLOA		
ODMVPUMORE	C	80		20	
ODMVPUPID	0		ODMVSERASID	2	
ODMVPURGEMF	D	2	ODMVSEREXC	0	20
ODMVPUSYSNAME			ODMVSERFLAGS	0	
	8		ODMVSERHDR	0	
ODMVPUTOCNT	0		ODMVSERHDR_LEN		
ODMVPVTSTGCURRENT				8	C
	660		ODMVSERJOBNAME		
ODMVPVTSTGHIGHWATER				4	
	664		ODMVSERLOCID	C	
ODMVPWTE	654		ODMVSERLOCIDA		
ODMVQJOBNAME	10			18	
ODMVQPID	18		ODMVSEROBJ	0	
ODMVQSYSTEM	D0		ODMVSEROBJ_LEN		
ODMVQUIESCET	F0	D8		24	28
ODMVRESERVEDDATA			ODMVSEROWNER	0	80
	4C0		ODMVSERPID	C	
ODMVRESERVEDDATA2			ODMVSERPTR	49C	
	8C		ODMVSERREQ	0	
ODMVRESERVED02			ODMVSERREQ_LEN		
	1A3			18	1C
ODMVRESERVED03			ODMVSERREQCNT		
	65A			8	
ODMVRESERVED04			ODMVSERREQPTR		
	1A			24	
ODMVRESERVED05			ODMVSERRESCNT		
	37			4	
ODMVRESERVED06			ODMVSERRESPTR		
	6F			8	
ODMVRESERVED07			ODMVSESSH	0	10
	D1		ODMVSETCB	10	
ODMVRESERVED08			ODMVSESTYPE	0	
	3F		ODMVSERUSERDATA		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	14		ODMVSTOKEN	4C8	
ODMVSERUSERDATAHI			ODMVSTOPPED	35	80
	14		ODMVSTOPST	F0	E3
ODMVSERUSERDATALO			ODMVSTORAGE	C	8
	18		ODMVSTORAGEINFO		
ODMVSERVER	3C	80		9C	
ODMVSERVER#01			ODMVSTORAGERESET		
	8	1		E	1
ODMVSERVERINFO			ODMVSTSS	2A	
	40		ODMVSTYY	1F	
ODMVSERVERNAME			ODMVSUCCESS	F0	0
	40		ODMVSUMMARY	8	80
ODMVSERVERNUM			ODMVSUMMARYDATA		
	0			4	
ODMVSERVERVTYPE			ODMVSUPERUSER		
	68			98	
ODMVSERVLINKLIB			ODMVSWAABOVE	458	1
	5E5		ODMVSWAP	34	80
ODMVSERVLINKLIBLEN			ODMVSWAPPED	F0	C9
	5E4		ODMVSYSCALL_COUNTS		
ODMVSERVLINKLIBVOL				458	40
	63F		ODMVSYSL	0	
ODMVSERVLINKLIBVOLLEN			ODMVSYSL_LEN	90	94
	63E		ODMVSYSLFBYTE1		
ODMVSERVLPALIB				0	
	612		ODMVSYSLFBYTE2		
ODMVSERVLPALIBLEN				1	
	611		ODMVSYSLFBYTE3		
ODMVSERVLPALIBVOL				2	
	646		ODMVSYSLFBYTE4		
ODMVSERVLPALIBVOLLEN				3	
	645		ODMVSYSLFBYTES		
ODMVSERWAITER				0	
	0	40	ODMVSYSLFBYTES		
ODMVSETPEXIST				0	4
	458	10	ODMVSYSLFBYTES		
ODMVSETPGOALCNT				1	40
	1A1		ODMVSYSLFBYTES		
ODMVSETPPGCNT				1	20
	1A0		ODMVSYSLFBYTES		
ODMVSHORTMF	D	8		0	2
ODMVSHRLIBMAXPAGES			ODMVSYSLFBYTES		
	44C			1	10
ODMVSHRLIBRGNSIZE			ODMVSYSLFBYTES		
	448			0	1
ODMVSLEEP	F0	E2	ODMVSYSLFBYTES		
ODMVSLNAME	E4			1	80
ODMVSLNUM	E0		ODMVSYSLFBYTES		
ODMVSOCKET	0			0	10
ODMVSOCKET_LEN			ODMVSYSLFBYTES		
	57	90		0	80
ODMVSOCKETJOBNAME			ODMVSYSLFBYTES		
	0			0	20
ODMVSOCKETNAME			ODMVSYSLFBYTES		
	1D			0	8
ODMVSOCKETNAMEFLG			ODMVSYSLFBYTES		
	1C			0	40
ODMVSOCKETS	E	80	ODMVSYSLFBYTES		
ODMVSTACKSINUSE				1	2
	9C		ODMVSYSLFBYTES		
ODMVSTART	26			1	1
ODMVSTARTYD	1F		ODMVSYSLFBYTES		
ODMVSTATE	10			1	4
ODMVSTATUS	C		ODMVSYSLFBYTES		
ODMVSTATUS1	34			1	8
ODMVSTATUS2	35		ODMVSYSLIMITS		
ODMVSTATUS3	36			484	40
ODMVSTDD	23		ODMVSYSLIPCMGIDSC		
ODMVSTEPLIBLIST				2C	
	A1		ODMVSYSLIPCMGIDSH		
ODMVSTEPLIBLISTLEN				30	
	A0		ODMVSYSLIPCMGQBYTESH		
ODMVSTHH	26			4C	
ODMVSTMM	28		ODMVSYSLIPCMGQBYTESM		

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Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ODMVSYSLIPMSGQMNUMH	50		ODMVTHDARRAYELEMPT	0	
ODMVSYSLIPMSGQMNUMM	54		ODMVTHDARRAYPTR	468	
ODMVSYSLIPCSEMNIDSC	58		ODMVTHDARRAYSIZE	464	
ODMVSYSLIPCSEMNIDSH	34		ODMVTHDBRL	70	
ODMVSYSLIPCSEMNIDSH	38		ODMVTHDBRLDEVNO	70	
ODMVSYSLIPCSEMNIDSH	5C		ODMVTHDBRLFILE	7C	
ODMVSYSLIPCSEMNIDSH	60		ODMVTHDBRLINO	74	
ODMVSYSLIPCSEMNIDSH	74		ODMVTHDBRLOFTE	8C	
ODMVSYSLIPCSEMNIDSH	3C		ODMVTHDBRLOWNERPID	78	
ODMVSYSLIPCSEMNIDSH	40		ODMVTHDBRLREQPTR	94	
ODMVSYSLIPCSEMNIDSH	44		ODMVTHDBRLRESERVEDATA	A4	
ODMVSYSLIPCSEMNIDSH	48		ODMVTHDBRLRESERVED1	98	
ODMVSYSLIST	E0		ODMVTHDBRLSYSNAME	9C	
ODMVSYSLMAXMMAPAREAC	1C		ODMVTHDBRLVNOD	90	
ODMVSYSLMAXMMAPAREAH	20		ODMVTHDEND	AC	
ODMVSYSLMAXPIPECUR	8C		ODMVTHDFLAGS	6E	
ODMVSYSLMAXPIPESHW	90		ODMVTHDID	0	
ODMVSYSLMAXPIPESLMT	88		ODMVTHDJOBNAME	C	
ODMVSYSLMAXPROCSYSC	4		ODMVTHDSTATUS1	69	
ODMVSYSLMAXPROCSYSH	8		ODMVTHDSTATUS2	6A	
ODMVSYSLMAXPTYSC	14		ODMVTHDSTATUS3	6B	
ODMVSYSLMAXPTYSH	18		ODMVTHDSTATUS4	6C	
ODMVSYSLMAXSHRPAGESC	24		ODMVTHDSTATUS5	6D	
ODMVSYSLMAXSHRPAGESH	28		ODMVTHDSYSCALL	1C	
ODMVSYSLMAXUIDSC	C		ODMVTHDTAG	28	
ODMVSYSLMAXUIDSH	10		ODMVTHDTAGSET	6E	80
ODMVSYSLMAXUSRMNTSYSCUR	78		ODMVTHDTCB	8	
ODMVSYSLMAXUSRMNTSYSHW	7C		ODMVTHDTIME	20	
ODMVSYSLMAXUSRMNTUSRCUR	80		ODMVTHDUSERNAME	14	
ODMVSYSLMAXUSRMNTUSRHW	84		ODMVTHREADCNT	A0	
ODMVSYSLSHRLIBMAXPAGESC	6C		ODMVTHREADS	0	
ODMVSYSLSHRLIBMAXPAGESH	70		ODMVTHREADS_LEN	AC	AC
ODMVSYSLSHRLIBRGNSIZEC	64		ODMVTIME	1DF	
ODMVSYSLSHRLIBRGNSIZEH	68		ODMVTIMESTAMP	1D4	
ODMVSYSLEX	458	20	ODMVTTYGROUP	43C	
ODMVSYSSTKHIGHWATER	66C		ODMVTYPE	8	4
ODMVSYSSTKINUSE	668		ODMVTYPENAME	4	
ODMVTHDARRAY	0		ODMVUIDPARRM	54	
ODMVTHDARRAY_LEN	0	4	ODMVUMTBARRAYPTR	4	
			ODMVUMTBUILT	459	20
			ODMVUMTBCounts	4	
			ODMVUMTBELECNT	0	
			ODMVUMTBELEMNT	0	
			ODMVUMTBELEMNT_LEN	0	

Name	Hex Offset	Hex Value
	4	8
ODMVUMTBHDR	0	
ODMVUMTBHDR_LEN	4	8
ODMVUMTBUID	0	
ODMVUPARM	16	
ODMVUPARM2	26	
ODMVUS	C	10
ODMVUSER	8	
ODMVUSERIDTABLE	1A5	
ODMVUSERIDTABLELEN	1A2	
ODMVUSERMNTSSYSLIMIT	54	
ODMVUSERMNTSUSRLIMIT	58	
ODMVUSRMT	E	20
ODMVUSRMTTBPTR	4A4	
ODMVUTRACED	35	1
ODMVVER#ONE	F0	10
ODMVVER#ONEONE	F0	11
ODMVVER#ONETWO	F0	12
ODMVVERNUM	0	
ODMVVERSION	450	
ODMVVSERVER	8	10
ODMVWAGE	9	10
ODMVWAITC	F0	C3
ODMVWAITERS	E	40
ODMVWAITF	F0	C6
ODMVWAITO	F0	D2
ODMVWAITP	34	40
ODMVWLATCHES	9	80
ODMVWMESSAGES	9	40
ODMVWOTHER	9	20
ODMVWSPECIAL	9	8
ODMVZOMBIE	F0	E9
ODMVZOMBIE2	F0	D3

CAFM Information

CAFM Heading Information

Common Name: Common Allocation Function Map
Macro ID: IEFZB428
DSECT Name: FUNCMAP
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
 Residency: Any
Size: 4 decimal bytes
Created by: Callers of Common Allocation
Pointed to by: Parameter list to IEFAB421
Serialization: None
Function: Indicates what functions are required in Common Allocation

CAFM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	FUNCMAP	COMMON ALLOC FUNCTION MAP
		1... ..		VOLMNTSW	ALLOW VOLUME MOUNTING
		1... ..		ALCMOUNT	
		.1.		WRTMSGSW	ALLOC MSGLEVEL INDICATOR
		.1.		ALCMSGLV	
		.1.		UWAITSW	OK TO WAIT FOR UNITS
		.1.		ALCWTUNT	
		..1		VWAITSW	OK TO WAIT FOR VOLUMES
		..1		ALCWTVOL	
		.... 1...		MSSTRMSW	ISSUE MSS TERM CALL
		.... 1...		ALCMSSTM	
		.... .1.		OFFDEVSW	OK TO CONSIDER OFFLINE UNITS
		.... .1.		ALCOFFDV	
		.... .1.		CCLMNTSW	ALLOW OPERATOR TO CANCEL VOL MOUNTS WITHOUT CANCELING JOB
		.... .1.		ALCCANCL	
		.... .1.		GENLOKSW	FOR SOME (MARKED) SPECIFIC VOL REQS,LOCK WHOLE GENERIC
		.... .1.		ALCGENER	
1	(1)	1... ..		SSEMSGSW	SUBSYSTEM TO RETURN
		1... ..		ALCSSMSG	ERROR MESSAGES
		.1.		HDRMSGSW	WRITE ALLOC HEADER MSG
		.1.		ALCHDMSG	
		.1.		MTRJOBWSW	MONITOR JOB NAMES SWITCH
		.1.		ALCJOBNM	
		.1.		NOTIOTNQ	DONT HAVE SCRATCH ENQ TIOT
		.1.		ALCNOENQ	
		.... 1...		TRKMSW	ASSIGN TRACK MASK TO SYSOUT DATA SETS
		.... 1...		ALCATRKM	
		.... .1.		WAITOKSW	OK TO WAIT FOR SUBSYSTEM D.S
		.... .1.		ALCSUBWT	
		.... .1.		ASNMSW	ASSIGN DATA SET NAME TO SUBSYSTEM DATA SET
		.... .1.		ALCASDSN	
		.... .1.		EXTRACAL	CALL FOR RETRY OR QUEUE
2	(2)	1... ..		NOBUFWR	DO NOT CALL IEEAB401 TO WRITE MESSAGE BUFFER
		.1.		CAFMSG	GET MESSAGES DURING SMS EXITS
		.1.		ALCXTIOT	XTIOT REQUESTED via S99TIOEX, S99ACUCB or S99DXACU (DYNAMIC ALLOCATION ONLY) Set by: IEFDB413 Read by: IEFAB421
		..1		ALCMNTR	Allocation request on behalf of the MOUNT command
		.... 1...		ALCNOCAP	NOCAPTURE requested via S99ACUCB or S99DXACU (DYNAMIC ALLOCATION ONLY)
		.... .1.		LOGSMSER	Request SMS LOGREC entry. Is only to be set by IEFDB413, as Batch callers will always have messages issued.
		.... .1.		FNCD SABA	Propagation bit for SVC 99 request for DSAB above the 16MB line Set by: IEFDB413 from S99DSABA or S99DXACU Read by: IEFAB421
		.... .1.		ALCBATCH	Indicates that step allocation is for a batch request. Set by IEFBB404, read by IEFAB421.
3	(3)	1... ..		ALCRECRS	Indicates that step allocation is entered recursively. Set by IEFAB490, read by IEFAB421.
		.111 1111		*	RESERVED

CAFAM Cross Reference

CAFAM Cross Reference

Name	Hex Offset	Hex Value
ALCASDSN	1	02
ALCATRKM	1	08
ALCBATCH	2	01
ALCCANCL	0	02
ALCGENER	0	01
ALCHDMSG	1	40
ALCJOBNM	1	20
ALCMNTCR	2	10
ALCMOUNT	0	80
ALCMSGLV	0	40
ALCMSSTM	0	08
ALCNOCAP	2	08
ALCNOENQ	1	10
ALCOFFDV	0	04
ALCRECRS	3	80
ALCSSMSG	1	80
ALCSUBWT	1	04
ALCWTUNT	0	20
ALCWTVOL	0	10
ALCXTIOT	2	20
ASNMSW	1	02
CAFMSGGS	2	40
CCLMNTSW	0	02
EXTRACAL	1	01
FNCDSABA	2	02
FUNCMAP	0	
GENLOKSW	0	01
HDRMSGSW	1	40
LOGMSER	2	04
MSSTRMSW	0	08
MTRJOBWS	1	20
NOBUFVRT	2	80
NOTIOTNQ	1	10
OFFDEVSU	0	04
SSEMSGSW	1	80
TRKMSW	1	08
UWAITSW	0	20
VOLMNTSW	0	80
VWAITSW	0	10
WAITOKSW	1	04
WRTMSGSW	0	40

CBDZCIP Information

CBDZCIP Programming Interface information

Programming Interface information

CBDZCIP

End of Programming Interface information

CBDZCIP Heading Information • CBDZCIP Map

CBDZCIP Heading Information

Common Name: Control Unit Information Parameters (CIP)
Macro ID: CBDZCIP
DSECT Name: CIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: CIP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by UIM
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Control Unit Information Parameters

CBDZCIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	CIP (0)	CU Information Parameters
0	(0)	CHARACTER	4	CIPID	CIP identifier ('CIP')
4	(4)	ADDRESS	1	CIPVER	CIP version number X'01'
5	(5)	BITSTRING	3		Reserved
8	(8)	CHARACTER	12	CIPUNMD (0)	Control unit type and model
8	(8)	CHARACTER	8	CIPUNIT	Control unit type
16	(10)	CHARACTER	4	CIPMODL	Model number (hex zero if not present)
20	(14)	ADDRESS	4	CIPGROUP	Control Unit grouping
		.... ..		CIPGDASD	"X'80000000" .. DASD
		.... ..		CIPGTAPE	"X'40000000" .. Tape
		.... ..		CIPGCLUS	"X'20000000" .. Cluster Controller
		.... ..		CIPGCOMM	"X'10000000" .. Communication Controller
		.... ..		CIPGMICR	"X'08000000" .. MICR/OCR
		.... ..		CIPGGRPH	"X'04000000" .. Graphics device
		.... ..		CIPGUR	"X'02000000" .. Unit Record
		.... ..		CIPGOTHR	"X'01000000" .. Other
24	(18)	BITSTRING	3		Reserved
27	(1B)	BITSTRING	1	CIPFLAG	Flag byte
		1... ..		CIPFCUD	"X'80" .. Device and CU are physically the same
		.1.		CIPFDMOD	"X'40" .. This model is the default model for this CU
		..1.		CIPFRAID	"X'20" .. Reserved
28	(1C)	BITSTRING	4		Reserved
32	(20)	BITSTRING	12		Reserved

Comment

Special validation flags

End of Comment

44	(2C)	BITSTRING	1	CIPVALF	Validation flags
		1... ..		CIPUAESO	"X'80" .. If 1, indicates that the unit address range must start with 00 when the control unit is connected to an ESCON channel path
		.1.		CIPXHCON	"X'40" .. If 1, indicates that the control unit can only be connected to one host (LPAR) at a time
		..1.		CIPNOMIF	"X'20" .. If 1, indicates that the control unit can not be connected to a shared channel path.
		...1		CIPCUSTR	"X'10" .. If 1, indicates that the control unit needs to be customized, if the link address changes.
		.... .1..		CIPFCNMX	"X'04" .. If 1, indicates that the control unit does not support an intermix of ESCON and native FICON channels
45	(2D)	BITSTRING	1		Reserved

Comment

Processing Flags

End of Comment

46	(2E)	BITSTRING	1	CIPPRFLG	Processing flags
		1... ..		CIPPTUDL	"X'80" .. Update attachable device list only
		.1.		CIPFINT	"X'40" .. if 1, internal CIT to be built
		..1.		CIPNOFCV	"X'20" .. if 1, CNC attachment support is not defaulted to FCV
47	(2F)	BITSTRING	1		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
Attachment Information					
					End of Comment
48	(30)	ADDRESS	2	CIPMXDEV	maximum number of devices which can be attached to CU (contains hex zero, if no upper limit is defined)
50	(32)	ADDRESS	2	CIPRUAN	recommended number of unit addresses (contains hex zero, if no value is defined)
52	(34)	BITSTRING	2	CIPATTT	Attachment type
52	(34)	BITSTRING	0	CIPATBL	"X'8000" .. attachable to BlockMPX (par.)
52	(34)	BITSTRING	0	CIPATBY	"X'4000" .. attachable to ByteMPX (par.)
52	(34)	BITSTRING	0	CIPATSER	"X'2000" .. attachable to ESCON channel (TYPE=CNC)
52	(34)	BITSTRING	0	CIPATCTC	"X'1000" .. attachable to ESCON CTC
52	(34)	BITSTRING	0	CIPATFX	"X'0800" .. attachable to ESCON converter channel (TYPE=CVC)
52	(34)	BITSTRING	0	CIPATIOC	"X'0400" .. attachable to IOC channel
52	(34)	BITSTRING	0	CIPATIRC	"X'0200" .. attachable to IRC CHPID
52	(34)	BITSTRING	0	CIPATISC	"X'0100" .. attachable to ISC CHPID
		1... ..		CIPATCBY	"X'0080" .. attachable to CBY CHPID
		.1.		CIPATOSA	"X'0040" .. attachable to OSA CHPID
		..1.		CIPATISD	"X'0020" .. attachable to ISD CHPID
		...1		CIPATDSD	"X'0010" .. attachable to DSD chpid
		.... .1..		CIPATFC	"X'0004" .. attachable to FC CHPID
		.... ..1.		CIPATFCV	"X'0002" .. attachable to FCV CHPID
54	(36)	BITSTRING	1	CIPSPROT	Supported protocols
		1... ..		CIPSPINT	"X'80" .. DC interlock
		.1.		CIPSPSTR	"X'40" .. Data streaming
		..1.		CIPSP4MB	"X'20" .. 4.5MB data streaming
55	(37)	ADDRESS	1	CIPMXCHP	Maximum number of CHPIDs which can be attached to control unit (contains hex zero, if no value is defined)
					Comment
Control Unit Type information					
					End of Comment
56	(38)	BITSTRING	2	CIPCUTYP	CU type
56	(38)	BITSTRING	0	CIPCUCTC	"X'8000" .. CU type = CTC
56	(38)	BITSTRING	0	CIPCUSWI	"X'4000" .. CU type = Switch
56	(38)	BITSTRING	0	CIPCUOSA	"X'2000" .. CU type = OSA
58	(3A)	BITSTRING	2		Reserved
					Comment
Logical CU addressing					
					End of Comment
60	(3C)	BITSTRING	1	CIPLFLGS	Logical CU addressing flags
		1... ..		CIPLFRS	"X'80" .. allowed range for CUADD specified
		.1.		CIPLFMHC	"X'40" .. multiple hosts can connect to the same CU address
		..1.		CIPLFCUS	"X'20" .. control unit supports CUADD
61	(3D)	ADDRESS	1	CIPLMIN	Minimum value of allowed CUADD
62	(3E)	ADDRESS	1	CIPLMAX	Maximum value of allowed CUADD
63	(3F)	ADDRESS	1	CIPLMXNO	Maximum number of logical control units supported (contains hex zero, if no value is defined)
					Comment
Default Settings					
					End of Comment
64	(40)	ADDRESS	1	CIPDIOCL	Default I/O concurrency level
64	(40)	X'1'	0	CIPDIOT1	"1" .. one I/O request at a time
64	(40)	X'2'	0	CIPDIOT2	"2" .. multiple I/O requests
64	(40)	X'3'	0	CIPDIOT3	"3" .. multiple I/O requests until dedicated allegiance
65	(41)	ADDRESS	1	CIPDPROT	Default protocol used
65	(41)	X'1'	0	CIPDPDC	"1" .. DC interlock protocol
65	(41)	X'2'	0	CIPDPDS	"2" .. 3.0MB data streaming prot
65	(41)	X'3'	0	CIPDPDS4	"3" .. 4.5MB data streaming prot
66	(42)	BITSTRING	2		Reserved
68	(44)	BITSTRING	8		Reserved

CBDZCIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Attachable device information					
End of Comment					
76	(4C)	ADDRESS	4	CIPDVLC	Count of device names in list
80	(50)	ADDRESS	4	CIPDVLP	Pointer to device list
84	(54)	ADDRESS	4		Reserved
Comment					
Unit address/range Rules					
Note: if any of the below values is zero, no policing will be done.					
End of Comment					
88	(58)	CHARACTER	8	CIPUADEF (0)	Unit address rules for control unit
88	(58)	ADDRESS	2	CIPMINUA	Minimum number of unit addresses
90	(5A)	ADDRESS	2	CIPMAXUA	Maximum number of unit addresses
92	(5C)	ADDRESS	2	CIPMXUAR	Maximum number of unit address ranges supported by control unit
94	(5E)	ADDRESS	2		Reserved
Comment					
Logical Path Rules					
End of Comment					
96	(60)	ADDRESS	2	CIPMXPTH	Maximum number of logical paths supported by the control unit. (contains hex zero if no maximum is defined)
98	(62)	ADDRESS	2	CIPMNGRP	Minimum group attachment value
100	(64)	ADDRESS	2	CIPMXPRT	Maximum number of logical paths on a single ESCON control unit port (contains hex zero if no maximum is defined)
102	(66)	ADDRESS	2	CIPMXPFC	Maximum number of logical paths on a single FICON control unit port (contains hex zero if no maximum is defined)
104	(68)	BITSTRING	4		Reserved
Comment					
Attachment Information Part 2					
End of Comment					
108	(6C)	ADDRESS	2	CIPMINDV	minimum number of devices which can be connected to CU (contains hex zero, if no lower limit is defined)
110	(6E)	ADDRESS	2	CIPRAID	Reserved
112	(70)	ADDRESS	2	CIPNRAID	Reserved
114	(72)	BITSTRING	2		Reserved
Comment					
Pointer to CIP extension					
End of Comment					
116	(74)	ADDRESS	4	CIPEXTPT	Pointer to extension area
120	(78)	BITSTRING	8		Reserved
Comment					
The following array maps the attachable device list. If more than one device exists which can be attached to the control unit you must code DEV=n on the macro statement where 'n' is the number of devices.					
End of Comment					
128	(80)	SIGNED	4	CIPADEV (0)	Attachable device list
128	(80)	BITSTRING	12		Device type/model
128	(80)	X'C'	0	CIPALENG	**CIPADEV" Length of attachable device list
Comment					
CIP Extension Area					
End of Comment					

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
140	(8C)	SIGNED	4	CIPEXTAR (0)	Extension area mapping
140	(8C)	BITSTRING	32	CIPVALUA	
172	(AC)	BITSTRING	32	CIPREQUA	Required unit addresses
204	(CC)	CHARACTER	17	CIPPROUA (0)	Recommended unit addresses
204	(CC)	BITSTRING	1	CIPRUARN	Number of UA ranges
205	(CD)	BITSTRING	2	CIPRUARS (8)	Array of ranges
205	(CD)	BITSTRING	1	CIPRUA	Starting unit address
206	(CE)	BITSTRING	1	CIPRUARF	Replication factor
221	(DD)	X'10'	0	CIPRUALN	** -CIPRUARS" Length of array
221	(DD)	BITSTRING	15		Reserved
236	(EC)	BITSTRING	8	CIPCHPAT (0)	Chpid type attachments
236	(EC)	BITSTRING	2		Chpid type attachments 1
238	(EE)	BITSTRING	2	CIPATTT2	Chpid type attachments 2
238	(EE)	BITSTRING	0	CIPATCBR	"X'8000" .. attachable to CBR chpid
238	(EE)	BITSTRING	0	CIPATCBS	"X'4000" .. attachable to CBS chpid
238	(EE)	BITSTRING	0	CIPATICR	"X'2000" .. attachable to ICR chpid
238	(EE)	BITSTRING	0	CIPATICS	"X'1000" .. attachable to ICS chpid
238	(EE)	BITSTRING	0	CIPATOSD	"X'0800" .. attachable to OSD chpid
238	(EE)	BITSTRING	0	CIPATOSE	"X'0400" .. attachable to OSE chpid
238	(EE)	BITSTRING	0	CIPATEIO	"X'0200" .. attachable to EIO chpid
238	(EE)	BITSTRING	0	CIPATCFP	"X'0100" .. attachable to CFP chpid
		1... ..		CIPATCBP	"X'0080" .. attachable to CBP chpid
		..1.		CIPATICP	"X'0040" .. attachable to ICP chpid
		...1.		CIPATIQD	"X'0020" .. attachable to IQD chpid
		.... ..1		CIPATFCP	"X'0010" .. attachable to FCP chpid
		.... ..1.		CIPATOSC	"X'0004" .. attachable to OSC chpid
		.... ...1		CIPATOSN	"X'0002" .. attachable to OSN chpid
				CIPATCIB	"X'0001" .. attachable to CIB chpid
240	(F0)	BITSTRING	2	CIPATTT3	Chpid type attachments 3
240	(F0)	BITSTRING	0	CIPATOSX	"X'8000" .. attachable to OSX chpid
240	(F0)	BITSTRING	0	CIPATOSM	"X'4000" .. attachable to OSM chpid
242	(F2)	BITSTRING	2		Reserved
244	(F4)	BITSTRING	24		Reserved
244	(F4)	X'80'	0	CIPEXTLN	** -CIPEXTAR" Length of extension area

CBDZCIP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CIP	0		CIPATTT	34	0
CIPADEV	80		CIPATTT2	EE	0
CIPALENG	80	C	CIPATTT3	F0	0
CIPATBL	34	8000	CIPCHPAT	EC	
CIPATBY	34	4000	CIPCUCTC	38	8000
CIPATCBP	EE	80	CIPCUOSA	38	2000
CIPATCBR	EE	8000	CIPCUSTR	2C	10
CIPATCBS	EE	4000	CIPCUSWI	38	4000
CIPATGBY	34	80	CIPCUTYP	38	0
CIPATCFP	EE	100	CIPDIOCL	40	
CIPATCIB	EE	1	CIPDIOT1	40	1
CIPATCTC	34	1000	CIPDIOT2	40	2
CIPATDSD	34	10	CIPDIOT3	40	3
CIPATEIO	EE	200	CIPDPDC	41	1
CIPATFC	34	4	CIPDPDS	41	2
CIPATFCP	EE	10	CIPDPDS4	41	3
CIPATFCV	34	2	CIPDPROT	41	
CIPATFX	34	800	CIPDVLC	4C	
CIPATICP	EE	40	CIPDVLP	50	
CIPATICR	EE	2000	CIPEXTAR	8C	
CIPATICS	EE	1000	CIPEXTLN	F4	80
CIPATIOC	34	400	CIPEXTPT	74	
CIPATIQD	EE	20	CIPFCNMX	2C	4
CIPATIRC	34	200	CIPFCUD	1B	80
CIPATISC	34	100	CIPFDMOD	1B	40
CIPATISD	34	20	CIPFINT	2E	40
CIPATOSA	34	40	CIPFLAG	1B	0
CIPATOSC	EE	4	CIPFRAID	1B	20
CIPATOSD	EE	800	CIPGLUS	14	0
CIPATOSE	EE	400	CIPGCOMM	14	0
CIPATOSM	F0	4000	CIPGDASD	14	0
CIPATOSN	EE	2	CIPGGRPH	14	0
CIPATOSX	F0	8000	CIPGMICR	14	0
CIPATSER	34	2000	CIPGOTHR	14	0

CBDZCIP Cross Reference

Name	Hex Offset	Hex Value
CIPGROUP	14	
CIPGTAPE	14	0
CIPGUR	14	0
CIPID	0	C3C9D740
CIPLFCUS	3C	20
CIPLFLGS	3C	0
CIPLFMHC	3C	40
CIPLFRS	3C	80
CIPLMAX	3E	
CIPLMIN	3D	
CIPLMXNO	3F	
CIPMAXUA	5A	
CIPMINDV	6C	
CIPMINUA	58	
CIPMNGRP	62	
CIPMODL	10	40404040
CIPMXCHP	37	
CIPMXDEV	30	
CIPMXPFC	66	
CIPMXPRT	64	
CIPMXPTH	60	
CIPMXUAR	5C	
CIPNOFCV	2E	20
CIPNOMIF	2C	20
CIPNRAID	70	
CIPPRFLG	2E	0
CIPPROUA	CC	
CIPPTUDL	2E	80
CIPRAID	6E	
CIPREQUA	AC	0
CIPRUA	CD	
CIPRUALN	DD	10
CIPRUAN	32	
CIPRUARF	CE	
CIPRUARN	CC	0
CIPRUARS	CD	0
CIPSPINT	36	80
CIPSPROT	36	0
CIPSPSTR	36	40
CIPSP4MB	36	20
CIPUADEF	58	
CIPUAES0	2C	80
CIPUNIT	8	40404040
CIPUNMD	8	
CIPVALF	2C	0
CIPVALUA	8C	FFFFFFFF
CIPVER	4	
CIPXHCON	2C	40

CBDZDCP Information

CBDZDCP Programming Interface information

Programming Interface information

CBDZDCP

End of Programming Interface information

CBDZDCP Heading Information • CBDZDCP Map

CBDZDCP Heading Information

Common Name: Device Characteristics Parameters
Macro ID: CBDZDCP
DSECT Name: DCP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: DCP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Device Characteristics Parameters for DASD UIMs

CBDZDCP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Device Characteristics Parm.
0	(0)	CHARACTER	4	DCPID	DCP identifier
4	(4)	CHARACTER	4	DCPHDR (0)	Word of control information
4	(4)	BITSTRING	1	DCPTYPE	DASD type code (same as UCBTBYT4)
5	(5)	SIGNED	1	DCPLNGTH	Length of DCT entry
6	(6)	BITSTRING	2		Reserved and should be zero
6	(6)	X'8'	0	DCPHDEND	*** End of DCP header
8	(8)	CHARACTER	22	DCPENTRY (0)	Device Characteristics Parameters entry. Note that its length must change when fields are added or deleted from the MVSCP.
8	(8)	SIGNED	2	DCPCYL	Physical number of cylinders per volume
10	(A)	SIGNED	2	DCPTRK	Number of tracks per cylinder
12	(C)	SIGNED	2	DCPTRKLN	Number of bytes per track
14	(E)	SIGNED	2	DCPOVHD (0)	Overhead for all records
14	(E)	SIGNED	1	DCPOVHNL	Overhead for not last records
15	(F)	SIGNED	1	DCPOVHL	Overhead for last record
16	(10)	SIGNED	1	DCFOVNK	Decrement for non-keyed records
17	(11)	BITSTRING	1	DCPFLAGS	Flags
		...1		DCPMODU	"X'10" Track requires modulo arithmetic
		.... 1..		DCP2BOV	"X'08" DCPOVHD field valid
		.... .1..		DCPBI	"X'04" Device has 2301 related addressing.
		.... ..1.		DCPBB	"X'02" Device has BB and CCHHR addressing
		.... ...1		DCPFTOL	"X'01" Apply tolerance factor
18	(12)	SIGNED	2	DCPTOL	Tolerance
20	(14)	SIGNED	2	DCPALT	Alternate tracks
22	(16)	SIGNED	2	DCPOVR0	Record 0 overhead
24	(18)	SIGNED	1	DCPSECT	Number of sectors in full track
25	(19)	SIGNED	1	DCPDSECT	Number of data sectors
26	(1A)	SIGNED	2	DCPBPSEC	Bytes per sector
28	(1C)	SIGNED	2	DCPMOD1	Modulo factor
28	(1C)	X'1E'	0	DCPEND	*** End of DCP header and entry.
0	(0)	CHARACTER	30	DCP	Device Characteristics Parm.
30	(1E)	CHARACTER	4	DCPIDNM	Constant for DCPID.

Comment

The following constants are used to fill in the DCPINDEX field which indicates the DASD type code for the particular entry.

End of Comment

.... .111	DCP23052	"X'07" DASD type code for 2305-2 entry.
.... 1..1	DCP3330	"X'09" DASD type code for 3330 entry.
.... 1..1.	DCP3340	"X'0A" DASD type code for 3340 entry.
.... 1..11	DCP3350	"X'0B" DASD type code for 3350 entry.
.... 11..	DCP3375	"X'0C" DASD type code for 3375 entry.
.... 11.1	DCP33301	"X'0D" DASD type code for 3330, Mod 11 entry.
.... 111.	DCP3380	"X'0E" DASD type code for 3380 entry.
.... 1111	DCP3390	"X'0F" DASD type code for 3390 entry.

CBDZDCP Cross Reference

Name	Hex Offset	Hex Value
DCFOVNK	10	
DCP	0	
DCPALT	14	
DCPBBS	11	2
DCPBI	11	4
DCPBPSEC	1A	
DCPCYL	8	
DCPDSECT	19	
DCPEND	1C	1E
DCPENTRY	8	
DCPFLAGS	11	
DCPFTOL	11	1
DCPHDEND	6	8
DCPHDR	4	
DCPID	0	
DCPIDNM	1E	C4C3D740
DCPLNGTH	5	
DCPMODU	11	10
DCPMOD1	1C	
DCPOVHD	E	
DCPOVHL	F	
DCPOVHNL	E	
DCPOVR0	16	
DCPSECT	18	
DCPTOL	12	
DCPTRK	A	
DCPTRKLN	C	
DCPTYPE	4	
DCP2BOV	11	8
DCP23052	1E	7
DCP3330	1E	9
DCP33301	1E	D
DCP3340	1E	A
DCP3350	1E	B
DCP3375	1E	C
DCP3380	1E	E
DCP3390	1E	F

CBDZDEVL Information

CBDZDEVL Programming Interface information

Programming Interface information

CBDZDEVL

End of Programming Interface information

CBDZDEVL Heading Information • CBDZDEVL Map

CBDZDEVL Heading Information

Common Name: Device Information Look-up Parameter List
Macro ID: CBDZDEVL
DSECT Name: DEVL
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: DEVL
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by UIM
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Device Information Lookup Parameter List

CBDZDEVL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	DEVL (0)	Device Information lookup parameters
0	(0)	CHARACTER	4	DEVLID	DEVL identifier ('DEVL')
4	(4)	ADDRESS	1	DEVLVER	Version number '01'
4	(4)	X'1'	0	DEVLVERN	"1" .. Version number of DEVL
5	(5)	ADDRESS	1	DEVLFUNC	Function to be performed by the Look-Up Routine
5	(5)	X'1'	0	DEVLSPCU	"1" .. Return device information in the format of an internal text record Return all devices which are grouped together via the same PCU value.
5	(5)	X'2'	0	DEVLSCU	"2" .. Return device information in the format of an internal text record Return all devices which are attached to the same control unit
5	(5)	X'3'	0	DEVLCU	"3" .. Return control unit information, such as type & model of the control unit identified by DEVLQCU
5	(5)	X'4'	0	DEVLDEV	"4" .. Return OS device information, identified by DEVLDPTR
6	(6)	BITSTRING	2		Reserved, must be zero
8	(8)	ADDRESS	2	DEVLLEN	Length of data area used to contain the IODV on return
10	(A)	ADDRESS	2		Reserved
12	(C)	ADDRESS	4	DEVLDPTR	Address of data area containing the internal text record, representing the device
16	(10)	ADDRESS	4	DEVLRETC	Return code

Comment

The following fields define the qualifiers. The allow the calling routine to narrow the device records being accessed

End of Comment

20	(14)	ADDRESS	2	DEVLQPCU	PCU number
22	(16)	ADDRESS	2	DEVLQCU	Control unit number
24	(18)	ADDRESS	2	DEVLADDR	Device address
26	(1A)	BITSTRING	18		Reserved

Comment

The following fields define the control unit information returned by the device look-up routine.

End of Comment

44	(2C)	CHARACTER	32	DEVLINFO (0)	Control unit information
44	(2C)	CHARACTER	8	DEVLCTYP	Control unit type
52	(34)	CHARACTER	4	DEVLCMOD	Control unit model
56	(38)	BITSTRING	20		Reserved

Comment

The following workarea is only used by the Look-up Routine

End of Comment

76	(4C)	BITSTRING	32	DEVLWORK	DEVL Workarea
76	(4C)	X'6C'	0	DEVLLENG	"*-DEVL" Length of parameter list
108	(6C)	CHARACTER	4	DEVLIDNM	Constant for DEVL control block id

CBDZDEVL Cross Reference

Name	Hex Offset	Hex Value
DEVL	0	
DEVLADDR	18	
DEVLCMOD	34	
DEVLCTYP	2C	
DEVLUCU	5	3
DEVLDEV	5	4
DEVLLEN	8	
DEVLDPTR	C	
DEVLFUNC	5	
DEVLID	0	C4C5E5D3
DEVLIDNM	6C	C4C5E5D3
DEVLINFO	2C	
DEVLLENG	4C	6C
DEVLQCU	16	
DEVLQPCU	14	
DEVLRETC	10	
DEVLSCU	5	2
DEVLSPCU	5	1
DEVLVER	4	
DEVLVERN	4	1
DEVLWORK	4C	0

CBDZDFP Information

CBDZDFP Programming Interface information

Programming Interface information

CBDZDFP

The following field is **NOT** programming interface information:

- DFPIOSUS

End of Programming Interface information

CBDZDFP Heading Information • CBDZDFP Map

CBDZDFP Heading Information

Common Name: Device Features Parameters
Macro ID: CBDZDFP
DSECT Name: DFP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: DFP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by UIM
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Device Features Parameters

CBDZDFP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Device Features Parameters.
0	(0)	CHARACTER	4	DFPID	DFP identifier
4	(4)	BITSTRING	1	DFPVER	DFP version number
		.... ..1		DFPVERN	"X'01'" .. Version number X'01'
5	(5)	BITSTRING	3		Reserved
8	(8)	CHARACTER	8	DFPNAME	Generic name
16	(10)	SIGNED	4	DFPDNBR	Binary device number used to set the UCBNAME field
20	(14)	SIGNED	4	DFPCHAN	Binary device number used to fill in UCBCHAN field for a multiple exposure device
24	(18)	ADDRESS	4	DFPDDSP	Address of UCB device dependent segment information
28	(1C)	SIGNED	4	DFPDDSL	Length of UCB device dependent segment information
32	(20)	ADDRESS	4	DFPDDEP	Address of UCB device dependent extension information
36	(24)	SIGNED	4	DFPDDEL	Length of UCB device dependent extension information
40	(28)	ADDRESS	4	DFPDCEP (0)	Address of UCB device class extension information
40	(28)	SIGNED	4	DFPDCEP	Device number for the UCB whose device class extension this UCB should point to (valid when DFPMXDCE is set)
44	(2C)	SIGNED	4	DFPDCEL	Length of UCB device class extension information
48	(30)	SIGNED	4	DFPUCBTY (0)	UCB device type information
48	(30)	BITSTRING	1	DFPTBYT1	Model bits
49	(31)	BITSTRING	1	DFPTBYT2	Option flags
		1...		DFP2OPT0	"X'80'" Flag 0
		..1.		DFP2OPT1	"X'40'" Flag 1
		..1.		DFP2OPT2	"X'20'" Flag 2
		..1.		DFPDUDN1	"X'20'" Value used to fill in UCBDUDN1 field
		..1.		DFPRR	"X'20'" Value used to fill in UCBRR field
		...1		DFP2OPT3	"X'10'" Flag 3
		...1		DFPDUDN2	"X'10'" Value used to fill in UCBDUDN2 field
		.... 1...		DFP2OPT4	"X'08'" Flag 4
		.... ..1..		DFP2OPT5	"X'04'" Flag 5
		.... ..1..		DFP2OPT6	"X'02'" Flag 6
		.... ...1		DFP2OPT7	"X'01'" Flag 7
		.... ...1		DFPDVPPWR	"X'01'" Value used to fill in UCBVPPWR field
50	(32)	BITSTRING	1	DFPTBYT3	Class bits
51	(33)	BITSTRING	1	DFPTBYT4	Device code
52	(34)	BITSTRING	1	DFPETI	A binary number used to fill in UCBETI field (this field is used by the exit effector routine to complete the 8-byte name of an IBM-supplied error routine for this device)
53	(35)	BITSTRING	1	DFPFL5	Value used to fill in UCBFL5 field
		1...		DFPDCC	"X'80'" Disconnect command chain device
		...1		DFPVSDR	"X'10'" Device has variable length SDRs
		.... 1...		DFPENVRD	"X'08'" Device returns environmental data
		.... ..1..		DFPNALOC	"X'04'" Last path to device must not be varied offline
		.... ..1..		DFPALTCU	"X'02'" Device has alternate control unit
54	(36)	BITSTRING	1	DFPFL6	Value used to fill in UCBFL6 field (this field is device dependent)
		1...		DFPASUN	"X'80'" Assign/unassign commands supported
		..1.		DFPMDISP	"X'40'" Device has message display
		..1.		DFPDDBUF	"X'20'" Data is buffered prior to storing on permanent media
		...1		DFPIDS	"X'10'" Block ID
		.... 1...		DFPSELFID	"X'08'" Device supports self description
		.... ..1..		DFPMSMM	"X'04'" SMS Managed Mountable
		.... ...1		DFPIOT	"X'01'" Flag indicating that the I/O timing functions are supported for this device
55	(37)	BITSTRING	1	DFPFLP1	Value used to fill in UCBFLP1 field

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		DFPSHRUP	"X'40" Device is sharable when in UP mode
		..1.		DFPRERP	"X'20" Resident ERP routine
		.... 1...		DFPSWAPP	"X'08" Device can be swapped by DDR
		.... .1..		DFPERLOG	"X'04" Error log present in this device
		.... ..1.		DFPDYNPH	"X'02" Dynamic pathing availability is an optional feature for this device
		.... ...1		DFPRALOC	"X'01" Device cannot be allocated
56	(38)	BITSTRING	1	DFPATI	Attention table index, used to fill in UCBATI field
57	(39)	BITSTRING	1	DFPSNSCT	Number of sense bytes to be read from this device, this value is used to fill in UCBSNSCT field
58	(3A)	BITSTRING	1	DFPFLAG1	DFP flag field
		1...		DFPPRES	"X'80" Device is physically non-removable, used to fill in UCBPRES field
		..1.		DFPMTPXP	"X'40" Device has multiple exposures
		..1.		DFPMIHPB	"X'20" MIH processing should be bypassed
		.... ..1		DFPOFFLN	"X'10" Device should be offline when the operating system is IPLed
		.... ..1.		DFPEIDAW	"X'02" If set, indicates that device supports the 64-bit IDAW format.
		.... ...1		DFP2IDAW	"X'01" If set, indicates that device supports 2K 64-bit IDAW format.
59	(3B)	BITSTRING	1	DFPFLAG2	DFP flag field
		1...		DFPMXDCE	"X'80" The UCB corresponding to this DFP should point to the device class extension for the UCB for device number DFPCEN
		..1.		DFPNOEDT	"X'40" This device number should not be represented in the EDT
		..1.		DFPNOESO	"X'20" This device number should not be included in any system-generated esoteric when building the EDT.
		...1		DFPPAVB	"X'10" Indicates device is a PAV-base device. If set, DFPMTPXP is also set
		.... 1...		DFPPAVA	"X'08" Indicates device is a PAV-alias device. If set, DFPMTPXP is also set
		.... ..1.		DFPD31	"X'04" If on, indicates that device support code supports 31 bit storage.
		.... ..1.		DFPMIDAW	"X'02" If on, indicates that device support code supports MIDAWs.
		.... ...1		DFPFCX	"X'01" If on, indicates that device supports the Fibre-Channel Extensions (FCX) facility
60	(3C)	BITSTRING	1	DFPDSTCT	Number of 10 byte statistics table entries to be used by the ERP for this device
61	(3D)	CHARACTER	1		Reserved, must be zero
62	(3E)	BITSTRING	1		Reserved, must be zero
63	(3F)	BITSTRING	1	DFPCES	Subchannel set ID of device number in DFPCEN for the UCB whose DCE this UCB should point to (valid when DFPMXDCE is set)
64	(40)	ADDRESS	4	DFPRELP	Pointer to array containing UCB relocation information
68	(44)	SIGNED	4	DFPRELCT	Number of entries in array of UCB relocation information
72	(48)	CHARACTER	4	DFPDFLTM	Default model number
76	(4C)	CHARACTER	4	DFPIOSUS	For IOS use
80	(50)	CHARACTER	20		Reserved, must be zero
80	(50)	X'64'	0	DFPEND	"" End of DFP.
0	(0)	CHARACTER	100	DFP	Device Features Parameters.
100	(64)	CHARACTER	4	DFPCBID	Constant for DFPCBID.

Comment

The following maps the array of UCB relocation information.
 If n greater than zero arrays are required, you must code
 RELOC=n on the macro statement.

End of Comment

104	(68)	CHARACTER	12	DFPRELAR (0)	Array of UCB relocation information
104	(68)	BITSTRING	1	DFPPSEG	UCB segment type where the ACON is located
105	(69)	BITSTRING	1	DFPPALEN	ACON length if not specified, default = 4
106	(6A)	SIGNED	2	DFPPOFF	Offset into segment where the ACON is located
108	(6C)	BITSTRING	1	DFPRSEG	UCB segment type where the ACON points
109	(6D)	CHARACTER	2		Reserved, must be zero
111	(6F)	BITSTRING	1	DFPRSSID	Subchannel set ID of device number in field DFPRDNBR of the UCB where the ACON points
112	(70)	SIGNED	4	DFPRDNBR	Device number of the UCB where the ACON points
104	(68)	X'68'	0	DFPREND	"" End of DFPRELAR
104	(68)	X'0'	0	DFPRLN	"DFPREND-DFPRELAR" Total length of DFPRELAR array.

Comment

The following constants are used to fill in the DFPPSEG
 and DFPRSEG fields. Note - DFPCMSEG and DFPPREFX can only
 be used to fill in the DFPRSEG field.

End of Comment

.... ..1	DFPDDSEG	"X'01" .. Device dependent segment
.... ..1.	DFPDDEXT	"X'02" .. Device dependent extension
.... ..11	DFPDCEXT	"X'03" .. Device class extension
.... ..1..	DFPCMSEG	"X'04" .. Common segment
.... ..1.1	DFPPREFX	"X'05" .. Prefix

CBDZDFP Cross Reference

CBDZDFP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DFP	0		DFPSHRUP	37	40
DFPALTCU	35	2	DFPSMSMM	36	4
DFPASUN	36	80	DFPSNSCT	39	
DFPATI	38		DFPSWAPF	37	8
DFPCBID	64	C4C6D740	DFPTBYT1	30	
DFPCHAN	14		DFPTBYT2	31	
DFPCMSEG	68	4	DFPTBYT3	32	
DFPDDBUF	36	20	DFPTBYT4	33	
DFPDCC	35	80	DFPUCBTY	30	
DFPDCEL	2C		DFPVER	4	
DFPDCEN	28		DFPVERN	4	1
DFPDCEP	28		DFPVSDR	35	10
DFPDCESE	3F		DFP2IDAW	3A	1
DFPDCEXT	68	3	DFP2OPT0	31	80
DFPDDEL	24		DFP2OPT1	31	40
DFPDDEP	20		DFP2OPT2	31	20
DFPDDEXT	68	2	DFP2OPT3	31	10
DFPDDSEG	68	1	DFP2OPT4	31	8
DFPDDSL	1C		DFP2OPT5	31	4
DFPDDSP	18		DFP2OPT6	31	2
DFPDE31	3B	4	DFP2OPT7	31	1
DFPDFLTM	48				
DFPDNBR	10				
DFPDSTCT	3C				
DFPDUDN1	31	20			
DFPDUDN2	31	10			
DFPDVPWR	31	1			
DFPDYNPH	37	2			
DFPEIDAW	3A	2			
DFPEND	50	64			
DFPENVRD	35	8			
DFPERLOG	37	4			
DFPETI	34				
DFPFCX	3B	1			
DFPFLAG1	3A				
DFPFLAG2	3B				
DFPFLP1	37				
DFPFL5	35				
DFPFL6	36				
DFPID	0				
DFPIDS	36	10			
DFPIOSUS	4C				
DFPIOT	36	1			
DFPMDISP	36	40			
DFPMIDAW	3B	2			
DFPMIHPB	3A	20			
DFPMTPXP	3A	40			
DFPMXDCE	3B	80			
DFPNALOC	35	4			
DFPNAME	8				
DFPNOEDT	3B	40			
DFPNOESO	3B	20			
DFPOFFLN	3A	10			
DFPPALEN	69				
DFPPAVA	3B	8			
DFPPAVB	3B	10			
DFPPOFF	6A				
DFPPREFX	68	5			
DFPPRES	3A	80			
DFPPSEG	68				
DFPRALOC	37	1			
DFPRDNBR	70				
DFPRELAR	68				
DFPRELCT	44				
DFPRELP	40				
DFPREND	68	68			
DFPRERP	37	20			
DFPRLN	68	0			
DFPRR	31	20			
DFPRSEG	6C				
DFPRSSID	6F				
DFPSELF	36	8			

CBDZGETM Information

CBDZGETM Programming Interface information

Programming Interface information

CBDZGETM

End of Programming Interface information

CBDZGETM Heading Information • CBDZGETM Cross Reference

CBDZGETM Heading Information

Common Name: HCD Getmain Storage Routine Parameter List
Macro ID: CBDZGETM
DSECT Name: GETM
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: GETM
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: 24 bytes
Created by: UIM and other HCD routines
Pointed to by: N/A
Serialization: None
Function: Maps the GETMAIN Parameters for Hardware Configuration Definition (HCD) routines and UIMs requesting storage. This storage is zeroed by the service routine which does the getmain.

CBDZGETM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	GETM (0)	Getmain parameters list.
0	(0)	CHARACTER	4	GETMSD	Getmain parameters ID.
4	(4)	BITSTRING	1	GETMFLG	Flag byte.
		1...		GETMFBLW	"X'80" .. Storage below the 16-megabyte line is requested.
		.1.		GETMFPG	"X'40" .. Boundary=Page requested
		..1.		GETMFMSG	"X'20" .. Message request on error
		...1		GETMFCON	"X'10" .. Conditional request specified
		.... 1...		GETMFTRC	"X'08" .. Trace request specified
		.... ...1		GETMFDSP	"X'01" .. Data Space is to be created
5	(5)	BITSTRING	1	GETMSPN	Subpool number (contains binary zero if not specified)
6	(6)	BITSTRING	1		Reserved and must be zero.
7	(7)	BITSTRING	1		Reserved and must be zero.
8	(8)	SIGNED	4	GETMLNTH	Length of storage requested.
12	(C)	SIGNED	4	GETMADDR	Address of getmain storage returned here.
16	(10)	SIGNED	4	GETMREAS	Reason code
20	(14)	SIGNED	4	GETMRETC	Return code
24	(18)	SIGNED	4	GETMBLKS	Number of blocks for data space
28	(1C)	CHARACTER	8	GETMSTOK	Data space token
36	(24)	SIGNED	4	GETMALET	Data space ALET
40	(28)	CHARACTER	12		Reserved and must be zero
40	(28)	X'34'	0	GETMLN	""-GETM" Length of parameter list
52	(34)	CHARACTER	4	GETMSDNM	Constant for GETMSD.

CBDZGETM Cross Reference

Name	Hex Offset	Hex Value
GETM	0	
GETMADDR	C	
GETMALET	24	
GETMBLKS	18	
GETMFBLW	4	80
GETMFCON	4	10
GETMFDSP	4	1
GETMFLG	4	
GETMFMSG	4	20
GETMFPG	4	40
GETMFTRC	4	8
GETMLN	28	34
GETMLNTH	8	
GETMREAS	10	
GETMRETC	14	
GETMSD	0	
GETMSDNM	34	C7C5E3D4
GETMSPN	5	
GETMSTOK	1C	

CBDZGIP Information

CBDZGIP Programming Interface information

Programming Interface information

CBDZGIP

End of Programming Interface information

CBDZGIP Heading Information • CBDZGIP Map

CBDZGIP Heading Information

Common Name: Generic Information Parameters (GIP)
Macro ID: CBDZGIP
DSECT Name: GIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: GIP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: This macro maps the input parameters to CBDMBGIT. It is built by the Unit Information Module and contains device dependent information which is used to build the Generic Information Table (GIT). GIPAFFIX is an index that relates compatible devices, when UNIT=AFF is specified via JCL. IBM has defined the following affinity indexes:
 '0000'X - No special affinity considerations (default)
 '0001'X - Affinity to 3330 device types
 '0002'X - Affinity to 3330-1 device types
 '0004'X - Affinity to 3340 device types
 '0008'X - Affinity to 3480, 3400-9 device types
 '0010'X - Affinity to 3400-6,3400-5 device types
 '0020'X - Affinity to 3400-4,2400-4,2400 device types
 '0030'X - Affinity to 3400-3,2400-3 device types
 '0040'X - Affinity to 3400-2, 2400-2, 2400-1 dev types
 '0080'X - Affinity to 3490 device types
 '0108'X - Affinity to 3480X device types
 '0400'X - IBM affinity
 '0800'X \ Reserved for IBM use
 '1000'X /
 '2000'X \
 '4000'X | Reserved for customer use
 '8000'X /
 'FFFF'X - No special affinity considerations (specified)

CBDZGIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Generic Information Parameters.
0	(0)	CHARACTER	4	GIPID	GIP identifier ('GIP')
4	(4)	CHARACTER	1	GIPVER	GIP version number x'01'
5	(5)	CHARACTER	3		Reserved
8	(8)	CHARACTER	8	GIPNAME	Generic device name
16	(10)	SIGNED	4	GIPUCBTY	UCB device type information for allocation
20	(14)	SIGNED	4	GIPGTPPR	Generic Preference Table priority
24	(18)	ADDRESS	4	GIPCDVLP	Pointer to the list of generic names of compatible devices (zero if there is no list)
28	(1C)	SIGNED	4	GIPCDVLC	Count of the generic names in the compatible device list
32	(20)	ADDRESS	4	GIPDENPR	Pointer to the list of densities supported by this device
36	(24)	SIGNED	4	GIPDENNO	Count of densities supported
40	(28)	CHARACTER	2	GIPAFFIX	Affinity index, 0 if none
42	(2A)	CHARACTER	38		Reserved, must be zero
42	(2A)	X'50'	0	GIPEND	"" GIP End
0	(0)	CHARACTER	1	GIP	Generic Information Parameters.

Comment

The following constants are used to place an identifier and version number into the GIP.

End of Comment

80	(50)	CHARACTER	4	GIPVERN	"X'01'" GIP version number
				GIPIDNM	Constant for GIPID.

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

Comment

The following constants are used to place an affinity index in the GIPAFFIX field.

End of Comment

80	(50)	BITSTRING	0	GIPNOAFF	"X'FFFF" No affinity consideration
		.... ..1		GIPAFF1	"X'0001" Affinity to 3330
		.... ..1.		GIPAFF2	"X'0002" Affinity to 3330-1
		.... ..1..		GIPAFF3	"X'0004" Affinity to 3340
		.... 1...		GIPAFF4	"X'0008" Affinity to 3480, 3400-9
		...1		GIPAFF5	"X'0010" Affinity to 3400-6, 3400-5
		..1.		GIPAFF6	"X'0020" Affinity to 3400-4, 2400-4 2400
		..11		GIPAFF7	"X'0030" Affinity to 3400-3, 2400-3
		.1..		GIPAFF8	"X'0040" Affinity to 3400-2, 2400-2, 2400-1
		1... ..		GIPAFF9	"X'0080" Affinity to 3490
80	(50)	BITSTRING	0	GIPAFF10	"X'0108" Affinity to 3480X
80	(50)	BITSTRING	0	GIPAFF11	"X'0400" IBM affinity
80	(50)	BITSTRING	0	GIPUSRA1	"X'2000" User-defined affinity 1
80	(50)	BITSTRING	0	GIPUSRA2	"X'4000" User-defined affinity 2
80	(50)	BITSTRING	0	GIPUSRA3	"X'8000" User-defined affinity 3

Comment

The following array maps the list of compatible generic device types. If a list of compatible generic device name(s) are required, you must code GENDNMS=n on the macro statement where 'n' is the number of names.

End of Comment

84	(54)	CHARACTER	1	(0)	Compatible generic device name list
84	(54)	CHARACTER	8	GIPCMPNM (0)	Compatible generic device name
84	(54)	X'54'	0	GIPCEND	*** End of GIPCMPNM array.
84	(54)	X'0'	0	GIPCMPNL	"0" Compatible generic device name list

Comment

The following array maps the list of densities supported by this device. If a list of supported densities are required, you must code DENS=n on the macro statement where 'n' is the number of densities supported.

End of Comment

84	(54)	BITSTRING	1	(0)	Densities supported list
84	(54)	BITSTRING	1	GIPDENSY (0)	Density or densities.
84	(54)	X'54'	0	GIPDEND	*** End of GIPDENL array.
84	(54)	X'0'	0	GIPDENL	"0" Densities supported list

CBDZGIP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GIP	0		GIPDENNO	24	
GIPAFFIX	28		GIPDENPR	20	
GIPAFF1	50	1	GIPDENSY	54	
GIPAFF10	50	108	GIPEND	2A	50
GIPAFF11	50	400	GIPGTPR	14	
GIPAFF2	50	2	GIPID	0	
GIPAFF3	50	4	GIPIDNM	50	C7C9D740
GIPAFF4	50	8	GIPNAME	8	
GIPAFF5	50	10	GIPNOAFF	50	FFFF
GIPAFF6	50	20	GIPUCBTY	10	
GIPAFF7	50	30	GIPUSRA1	50	2000
GIPAFF8	50	40	GIPUSRA2	50	4000
GIPAFF9	50	80	GIPUSRA3	50	8000
GIPCDVLC	1C		GIPVER	4	
GIPCDVLP	18		GIPVERN	0	1
GIPCEND	54	54			
GIPCMPNL	54	0			
GIPCMPNM	54				
GIPDEND	54	54			
GIPDENL	54	0			

CBDZHCEX Information

CBDZHCEX Programming Interface information

Programming Interface information

CBDZHCEX

End of Programming Interface information

CBDZHCEX Heading Information • CBDZHCEX Constants

CBDZHCEX Heading Information

Common Name: HCD object management (HOM) constants.
Macro ID: CBDZHCEX
DSECT Name:
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Obtained by caller
 Residency: Determined by caller

Size:
Created by: Routines using HOM
Pointed to by: N/A
Serialization: None
Function: Contains all constants that are valid within the HOM for
 - storage descriptors
 - function codes specified in HRB_FUNCTION
 - object codes
 - attributes specified in HRB_ATTRIBUTE
 - request modes for 'get' requests specified in HRB_REQ_MODE
 - return codes in HRB_RETURN_CODE
 - reason codes in HRB_REASON_CODE
 - attributes that have to be specified in data input blocks, e.g. for processor configuration mode, channel path types, ...

CBDZHCEX Map

CBDZHCEX Constants

Len	Type	Value	Name	Description
1	CHARACTER	Y	HRB_YES	Indicates YES
1	CHARACTER	N	HRB_NO	Indicates NO

Comment

Constant definitions for HOM storage descriptors

End of Comment

4	CHARACTER	HRB	HRB_SDESC_C	Request block
4	CHARACTER	HSB	HSB_SDESC_C	Status block
4	CHARACTER	HSI	HSICSD	HCD Session Interface Record
4	CHARACTER	IOI	IOICSD	IODF Interface Record
4	CHARACTER	MSI	MSICSD	Message Interface Record
4	CHARACTER	PRI	PRICSD	Processor Interface Record
4	CHARACTER	CPI	CPICSD	Channel Path Interface Record
4	CHARACTER	SWI	SWICSD	Switch Interface Record
4	CHARACTER	CUI	CUICSD	Physical Control Unit Interface Record
4	CHARACTER	DVI	DVICSD	Device Interface Record
4	CHARACTER	LTII	LTICSD	Logical Token Interface Record
4	CHARACTER	ASI	ASICSD	Activation Status Interface Record

Comment

Constant definitions for HRB_FUNCTION

End of Comment

4	DECIMAL	1	HRB_SETUP	HCD-Setup request
4	DECIMAL	2	HRB_TERMINATE	HCD-Terminate request
4	DECIMAL	3	HRB_RECOVERY	HCD-Recovery request
4	DECIMAL	5	HRB_OPEN	IODF-Open request
4	DECIMAL	6	HRB_CLOSE	IODF-Close request
4	DECIMAL	9	HRB_IVIEW	IODF-View request
4	DECIMAL	11	HRB_DGET	Data-Get request
4	DECIMAL	12	HRB_MGET	Message-Get request
4	DECIMAL	16	HRB_GET	Get request
4	DECIMAL	42	HRB_ACT_STATUS	Get Activation status
4	DECIMAL	0	HRB_NOO	No object specified
4	DECIMAL	1	HRB_HCD	Object is whole HCD
4	DECIMAL	2	HRB_IODF	Object is whole IODF

Len	Type	Value	Name	Description
4	DECIMAL	3	HRB_DATA	Object is any output-data
4	DECIMAL	4	HRB_MESSAGE	Object is message
4	DECIMAL	5	HRB_PROCESSOR	Object is processor. ID is char.
4	DECIMAL	8	HRB_CHANNEL	Object is channel. ID is fixed.
4	DECIMAL	9	HRB_SWITCH	Object is switch. ID is fixed.
4	DECIMAL	13	HRB_PCU	Object is physical control unit. ID is fixed.
4	DECIMAL	15	HRB_DEVICE	Object is device. ID is fixed.

Comment

Constant definitions for attribute-codes

End of Comment

4	DECIMAL	81	HRB_LTOKEN	Attribute to get logical token
4	DECIMAL	92	HRB_MAXATTR	Maximum allowed attribute in HOM. Used for syntax check. If constants are added or removed this maximum must be updated.

Comment

Constant definitions for HRB_REQ_MODE

End of Comment

4	DECIMAL	1	HRB_MODE_ID	Get objects starting with ID specified. ID of object must be set in HRB_OBJECT. Also HRB_RANGE_VALUE must be set unequal to zero. ID of object must be set in HRB_OBJECT.
4	DECIMAL	2	HRB_MODE_FIRST	Get first object in the defined scope.
4	DECIMAL	3	HRB_MODE_LAST	Get last object in the defined scope.
4	DECIMAL	4	HRB_MODE_ALL	Get all objects in the defined scope.
4	DECIMAL	5	HRB_MODE_CHAIN	Get all objects within the chain defined by the given object, for example all exposure devices.

Comment

Constant definitions for HRB_RETURN_CODE

End of Comment

4	DECIMAL	0	HRB_OK	Request done successfully.
4	DECIMAL	4	HRB_WARNING	Request done but warning issued.
4	DECIMAL	8	HRB_ERROR	Request not done. No data provided. Additional message is issued.
4	DECIMAL	12	HRB_SYNTAX	Request not done. Syntax incorrect.
4	DECIMAL	16	HRB_SEVERE	Request not done. Processing was terminated due to severe error. HCD is not active. New Setup required.

Comment

Constant definitions for HRB_REASON_CODE

End of Comment

4	DECIMAL	1	HRB_SPACE	No more space available
4	DECIMAL	2	HRB_VALIDATE	Validation error
4	DECIMAL	3	HRB_EXISTENCE	Existence check error
4	DECIMAL	4	HRB_VERIFY	Verification error
4	DECIMAL	5	HRB_ALRDY_SETUP	Setup rejected. HCD is already active.
4	DECIMAL	6	HRB_NOT_SETUP	Request rejected. HCD is not active.
4	DECIMAL	7	HRB_ABEND	Error occurred because of HCD internal logic abend.
4	DECIMAL	8	HRB_AUTH	Error occurred because caller is authorized, HOM may be invoked from unauthorized callers only.
4	DECIMAL	16	HRB_NOTFOUND	The mixing of function, object, qualifiers and attributes results into a not allowed request. The request can not be found in the table of valid requests. See the HOM interface description for a correct syntax.
4	DECIMAL	17	HRB_NODINPUT	A data input block is mandatory for this request. Specify one within HRB_HDBI_ADDR and specify a valid length.
4	DECIMAL	18	HRB_NODOUTPUT	A data output block is mandatory for this request. Specify one within HRB_HDBO_ADDR.
4	DECIMAL	19	HRB_NOMODE	The specified mode is not supported for this special request. Refer to HOM interface description.

CBDZHCEX Constants

Len	Type	Value	Name	Description
4	DECIMAL	20	HRB_NOFILTER	Filtering is not supported for this special request. Do not set the filter flag.
4	DECIMAL	21	HRB_WRONGSD	The content of the data input block - identified by the storage descriptors of the contained records - is wrong or not conforming to the request. Initialize the input records correctly.
4	DECIMAL	22	HRB_WRONGFUNC	The function specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	23	HRB_WRONGOBJ	The object specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	24	HRB_WRONGQUAL	One of the qualifiers specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	25	HRB_WRONGATTR	One of the attributes specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	26	HRB_NOHRB	A request-block is missing for the request.
4	DECIMAL	27	HRB_INITCFAILED	Initchange failed.
4	DECIMAL	28	HRB_FULLY_DEFINED	CTC fully defined
4	DECIMAL	29	HRB_WRONGLGTH	Wrong length

Comment

Constant definitions for HRB_IODF_INFO

End of Comment

4	DECIMAL	1	HRB_INSYNCH	HW and SW of the active IODF are in synch.
4	DECIMAL	2	HRB_NOTINSYNCH	HW and SW are out of sync.
4	DECIMAL	3	HRB_NOTOKEN	No valid HW token exists.

Comment

Constant definition for not supported fixed fields

End of Comment

4	DECIMAL	-1	HRB_NSF	Field is not supported
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Comment

Constant definition for not supported char fields

End of Comment

1	CHARACTER		HRB_NSC	Field is not supported
---	-----------	--	---------	------------------------

Comment

Constant definitions for NLS code

End of Comment

1	CHARACTER	E	HSIENG	English
1	CHARACTER	J	HSIKAN	Kanji

Comment

Constant definitions for IODF type

End of Comment

1	CHARACTER	P	IOIFPROD	File is compacted version of IODF
1	CHARACTER	W	IOIFWORK	File is working version of IODF
1	CHARACTER	I	IOIFINIT	File is initialized empty IODF file

Comment

Constant definitions for IODF access mode

End of Comment

1	CHARACTER	R	IOIREAD	File is in read mode
1	CHARACTER	U	IOIUPDAT	File is in update mode

Len	Type	Value	Name	Description
Comment				
Constant definitions for IODF size				
End of Comment				
4	DECIMAL	16	IOIBLMIN	Minimum number is 16*4K blocks
4	DECIMAL	1024	IOIBLDEF	Default number is 1024*4K blocks
Comment				
Constant definitions for message severity				
End of Comment				
4	DECIMAL	4	MSISEVI	information message
4	DECIMAL	8	MSISEVW	warning message
4	DECIMAL	12	MSISEVE	error message
4	DECIMAL	16	MSISEVT	termination message
Comment				
Constant definitions for processor configuration mode				
End of Comment				
4	DECIMAL	1	PRICBAS	BASIC mode (early LPAR=NO)
4	DECIMAL	2	PRICLPAR	LPAR mode (early LPAR=YES)
4	DECIMAL	3	PRICVM	VM (MBASIC) mode
Comment				
Constant definitions for channel path types				
End of Comment				
4	DECIMAL	1	CPITBLMX	Block multiplexor
4	DECIMAL	2	CPITBMX	Byte multiplexor
4	DECIMAL	3	CPITSER	Serial (CNC)
4	DECIMAL	4	CPITCTC	CTC
4	DECIMAL	5	CPITCVC	Escon conversion channel (CVC)
4	DECIMAL	6	CPITIOC	I/O controller (IOC)
4	DECIMAL	7	CPITIRC	Coupling facility - receiver channel
4	DECIMAL	8	CPITISC	Coupling facility - sender channel
4	DECIMAL	9	CPITCBY	Byte pacer channel
4	DECIMAL	10	CPITOSA	OSA channel Use same constants as in CPD-record !!!
4	DECIMAL	11	CPITISD	Falcon ISD
4	DECIMAL	12	CPITDSD	DSD channel
4	DECIMAL	14	CPITFC	FC channel
4	DECIMAL	15	CPITFCV	FCV channel
4	DECIMAL	17	CPITCBR	CBR channel
4	DECIMAL	18	CPITCBS	CBS channel
4	DECIMAL	19	CPITICR	ICR channel
4	DECIMAL	20	CPITICS	ICS channel
4	DECIMAL	21	CPITOSD	OSD channel
4	DECIMAL	22	CPITOSE	OSE channel
4	DECIMAL	23	CPITEIO	EIO channel
4	DECIMAL	24	CPITCFP	CFP channel
4	DECIMAL	25	CPITCBP	CBP channel
4	DECIMAL	26	CPITICP	ICP channel
4	DECIMAL	27	CPITIQD	IQD channel
4	DECIMAL	28	CPITFCP	FCP channel
4	DECIMAL	30	CPITOSC	OSC channel
4	DECIMAL	31	CPITOSN	OSN channel
4	DECIMAL	32	CPITCIB	CIB channel
Comment				
Constant definitions for channel access mode				
End of Comment				
4	DECIMAL	1	CPIADED	Channel is dedicated to one partition
4	DECIMAL	2	CPIAREC	Channel can be reconfigured to authorized partitions
4	DECIMAL	3	CPIASHR	Channel can be shared by authorized partitions
4	DECIMAL	4	CPIASPN	Channel is shared and spanned across Channel Subsystems

CBDZHCEX Constants

Len	Type	Value	Name	Description
				Comment
Constant definitions for device groups				
				End of Comment
4	DECIMAL	1	DVIGDASD	DASD
4	DECIMAL	2	DVIGTAPE	Tape
4	DECIMAL	3	DVIGCLUS	Cluster Controller
4	DECIMAL	4	DVIGCOMM	Communications
4	DECIMAL	5	DVIGMICR	MICR/OCR
4	DECIMAL	6	DVIGGRPH	Graphics
4	DECIMAL	7	DVIGPRT	Printer
4	DECIMAL	8	DVIGCARD	Card reader/punch
4	DECIMAL	9	DVIGDISP	Display
4	DECIMAL	10	DVIGTPRT	Terminal printer
4	DECIMAL	255	DVIGOTHR	Other

CBDZHIEX Information

CBDZHIEX Programming Interface information

Programming Interface information

CBDZHIEX

End of Programming Interface information

CBDZHIEX Heading Information • CBDZHIEX Cross Reference

CBDZHIEX Heading Information

Common Name: HCD object management (HOM) object interface records
Macro ID: CBDZHIEX
DSECT Name: ASI, LTI
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: ASI and LTI
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Residency: Determined by caller
Size: ASI - 232 bytes
 LTI - 60 bytes
Created by: routines using HOM
Pointed to by: N/A
Serialization: None
Function: Contains further mappings for interface records.

CBDZHIEX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	60	LTI	Basic area definition
0	(0)	CHARACTER	4	LTISD	Storage descriptor
4	(4)	UNSIGNED	4	LTILGTH	Length of area
8	(8)	CHARACTER	32	LTITOKEN	Token, World Wide Unique Value
8	(8)	CHARACTER	8	LTINAME	Character ID of object the token corresponds to
16	(10)	UNSIGNED	4	LTINR	Numerical ID of object
16	(10)	UNSIGNED	2	LTIBASIC	Base part of device ID
18	(12)	UNSIGNED	2	LTISUFFIX	Internal suffix for device ID
20	(14)	CHARACTER	16	LTIIWUUV	Token, World Wide Unique Value
20	(14)	CHARACTER	1	*	Token, reserved byte
21	(15)	CHARACTER	2	LTITCPU	Token, CPU address
23	(17)	CHARACTER	3	LTITSER	Token, CPU serial number
26	(1A)	CHARACTER	2	LTITMODL	Token, CPU model number
28	(1C)	CHARACTER	8	LTITOD	Token, time stamp from TOD clock
36	(24)	CHARACTER	4	*	Reserved
40	(28)	CHARACTER	20	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	232	ASI	Basic area definition
0	(0)	CHARACTER	4	ASISD	Storage descriptor
4	(4)	UNSIGNED	4	ASILGTH	Length of area
8	(8)	CHARACTER	44	ASIAIODF	Active IODF
52	(34)	CHARACTER	8	ASIAPROC	Active processor
60	(3C)	CHARACTER	8	ASIDPROC	Default processor for target IODF
68	(44)	CHARACTER	8	ASIACFID	Active configuration ID
76	(4C)	CHARACTER	8	ASIDCFID	Default configuration ID for target IODF
84	(54)	CHARACTER	2	ASIAEDT	Active EDT
86	(56)	CHARACTER	2	ASIDEDT	Default EDT for target IODF
88	(58)	CHARACTER	4	*	Reserved
92	(5C)	CHARACTER	140	*	Not externalized

CBDZHIEX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASI	0		LTINR	10	
ASIACFID	44		LTISD	0	
ASIAEDT	54		LTISUFFIX	12	
ASIAIODF	8		LTITCPU	15	
ASIAPROC	34		LTITMODL	1A	
ASIDCFID	4C		LTITOKEN	8	
ASIDEDT	56		LTITSER	17	
ASIDPROC	3C		LTITOD	1C	
ASILGTH	4		LTIIWUUV	14	
ASISD	0				
LTI	0				
LTIBASIC	10				
LTILGTH	4				
LTINAME	8				

CBDZHOEX Information

CBDZHOEX Programming Interface information

Programming Interface information

CBDZHOEX

End of Programming Interface information

CBDZHOEX Heading Information • CBDZHOEX Map

CBDZHOEX Heading Information

Common Name: HCD object management (HOM) object records
Macro ID: CBDZHOEX
DSECT Name: CPI, CUI, DVI, HSI, IOI, MSI, PRI, SWI
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: CPI, CUI, DVI, HSI, IOI, MSI, PRI, SWI
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Residency: Determined by caller
Size: CPI - 112 bytes
 CUI - 124 bytes
 DVI - 140 bytes
 HSI - 64 bytes
 IOI - 720 bytes
 MSI - 72 bytes
 PRI - 220 bytes
 SWI - 100 bytes
Created by: routines using HOM
Pointed to by: N/A
Serialization: None
Function: Contains mappings for interface records of objects that are processable by HOM. The interface records contain all the attributes that are necessary to define an object or a link between two objects. The interface records must be provided together with every request that needs input data or are given on output for requests which create it. The interface records always contain a storage descriptor at the first position and the length of the data area following the storage descriptor.

CBDZHOEX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	HSI	Basic area definition
0	(0)	CHARACTER	4	HSISD	Storage descriptor
4	(4)	UNSIGNED	4	HSILGTH	Length of area
8	(8)	CHARACTER	12	HSIIN	Input area
8	(8)	CHARACTER	8	HSIHLQ	High Level Qualifier for setup. Optional field. If omitted HCD tries to identify the HLQ on its own.
16	(10)	CHARACTER	1	HSINLS	NLS code. Constants: HSIENG = English HSIKAN = Kanji
17	(11)	CHARACTER	1	HSILCHK	Reserved for HCM only
18	(12)	CHARACTER	1	HSICAUT	Reserved for HCM only
19	(13)	CHARACTER	1	*	Reserved
20	(14)	CHARACTER	20	HSIOUT	Output area
20	(14)	UNSIGNED	4	HSIOSYS	Identification of operating system HCD is running in. Constants: OSIMVS = MVS OSIVM = VM
24	(18)	UNSIGNED	4	HSIVERS	Identification of HOM/HCD version Constants: HSIIVERS (actual version)
28	(1C)	UNSIGNED	4	HSISUBV	Identification of HOM/HCD subversion Constants: HSIASUBV (actual sub-version)
32	(20)	UNSIGNED	4	HSISUP1	Internal Information Part 1
36	(24)	UNSIGNED	4	HSISUP2	Internal Information Part 2
40	(28)	CHARACTER	24	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	720	IOI	Basic area definition
0	(0)	CHARACTER	4	IOISD	Storage descriptor
4	(4)	UNSIGNED	4	IOILGTH	Length of area
8	(8)	CHARACTER	1	IOIFTYPE	IODF file type. Constants: IOIFPROD = File is compacted version of IODF IOIFWORK = File is working version of IODF IOIFINIT = File is initialized empty IODF file
9	(9)	CHARACTER	1	IOIFMODE	IODF access mode. Constants: IOIREAD = File is in read mode IOIUPDAT = File is in update mode
10	(A)	CHARACTER	10	IOICXDAT	IODF creation date (yyyy-mm-dd)
10	(A)	CHARACTER	2	*	Reserved
12	(C)	CHARACTER	8	IOICDATE	IODF creation date (yy-mm-dd)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	CHARACTER	8	IOIUPDATE	Date of last update (yy-mm-dd)
28	(1C)	CHARACTER	8	IOIUTIME	Time of last update (hh:mm:ss)
36	(24)	UNSIGNED	4	IOIBLAC	Number of 4K blocks allocated to IODF. Constants: IOIBLMIN = Minimum number is 16*4K blocks IOIBLDEF = Default number is 256*4K blocks
40	(28)	UNSIGNED	4	IOIBLUC	Number of 4K blocks used by IODF
44	(2C)	CHARACTER	44	IOIBUPDS	Name of backup dataset for work-IODF Full qualified DSN without quotes
88	(58)	CHARACTER	44	IOINAME	IODF name of IODF to use Full qualified DSN without quotes
132	(84)	CHARACTER	8	IOIVOLUM	Volume the IODF is on
140	(8C)	CHARACTER	8	IOIDESC1	IODF Descriptor 1
148	(94)	CHARACTER	8	IOIDESC2	IODF Descriptor 2
156	(9C)	CHARACTER	1	IOIALINF	If yes, activity logging is enabled
157	(9D)	CHARACTER	1	IOICHGLO	If yes, IODF was changed since last open-IODF.
158	(9E)	CHARACTER	1	IOIACT	If yes, specified IODF is currently active IODF.
159	(9F)	CHARACTER	1	IOIVALID	If yes, the WORK IODF is a validated one
160	(A0)	UNSIGNED	4	IOIAREF	Activity log reference number Only valid if IOIALINF is set
164	(A4)	CHARACTER	256	IOITOKEN	IODF Token Area.
164	(A4)	CHARACTER	16	IOIWWUV	Token, World Wide Unique Value
164	(A4)	CHARACTER	1	*	Token, reserved byte
165	(A5)	CHARACTER	2	IOITCPU	Token, CPU address
167	(A7)	CHARACTER	3	IOITSER	Token, CPU serial number
170	(AA)	CHARACTER	2	IOITMODL	Token, CPU model number
172	(AC)	CHARACTER	8	IOITOD	Token, time stamp from TOD clock
180	(B4)	CHARACTER	16	IOINWWUV	Next Token, World Wide Unique Value
180	(B4)	CHARACTER	1	*	Token, reserved byte
181	(B5)	CHARACTER	2	IOINTCPU	Token, CPU address
183	(B7)	CHARACTER	3	IOINTSER	Token, CPU serial number
186	(BA)	CHARACTER	2	IOINTMODL	Token, CPU model number
188	(BC)	CHARACTER	8	IOINTTOD	Token, time stamp from TOD clock
196	(C4)	CHARACTER	224	*	Reserved
420	(1A4)	CHARACTER	10	IOIUXDAT	Date of last update (yyyy-mm-dd)
430	(1AE)	CHARACTER	18	IOIPTOK	HCM physical token
430	(1AE)	CHARACTER	16	IOIWWUVP	HCM physical token, WW Unique Value
430	(1AE)	CHARACTER	1	*	HCM physical token, reserved byte
431	(1AF)	CHARACTER	2	IOITCPUP	HCM physical token, CPU address
433	(1B1)	CHARACTER	3	IOITSERP	HCM physical token, CPU serial number
436	(1B4)	CHARACTER	2	IOITMODLP	HCM physical token, CPU model number
438	(1B6)	CHARACTER	8	IOITTODP	HCM physical token, TOD clock
446	(1BE)	UNSIGNED	2	IOIPHCNT	HCM physical token, session count
448	(1C0)	CHARACTER	1	IOIFMUA	HRB_Yes if MUA enabled
449	(1C1)	CHARACTER	15	*	Reserved @01C,@LEC
464	(1D0)	CHARACTER	128	IOIIDESC	IODF description
592	(250)	CHARACTER	128	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	MSI	Basic area definition
0	(0)	CHARACTER	72	MSIHEAD	Header definition
0	(0)	CHARACTER	4	MSISD	Storage descriptor
4	(4)	UNSIGNED	4	MSILGTH	Length of area
8	(8)	CHARACTER	8	MSIID	Message identifier
16	(10)	UNSIGNED	4	MSISEV	Severity of message. Constants: MSISEVI = information message MSISEVW = warning message MSISEVE = error message MSISEVT = termination message
20	(14)	CHARACTER	8	MSIFERR	Field of interface record in error
28	(1C)	UNSIGNED	4	MSIMID	WTOR message identifier
32	(20)	CHARACTER	8	MSIRPYID	ID of message reply
40	(28)	CHARACTER	8	MSIHELP	Help panel name
48	(30)	CHARACTER	20	*	Reserved
68	(44)	UNSIGNED	4	MSITEXTL	Length of message text
72	(48)	CHARACTER	*	MSITEXT	Message text

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	220	PRI	Basic area definition
0	(0)	CHARACTER	4	PRISD	Storage descriptor
4	(4)	UNSIGNED	4	PRILGTH	Length of area
8	(8)	CHARACTER	24	PRITOKEN	Token, World Wide Unique Value
8	(8)	CHARACTER	8	PRIPRID	Processor name
16	(10)	CHARACTER	16	PRITWWUV	Token, World Wide Unique Value
16	(10)	CHARACTER	1	*	Token, reserved byte
17	(11)	CHARACTER	2	PRITCPU	Token, CPU address

CBDZHOEX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
19	(13)	CHARACTER	3	PRITSER	Token, CPU serial number
22	(16)	CHARACTER	2	PRITMODL	Token, CPU model number
24	(18)	CHARACTER	8	PRITTOD	Token, time stamp from TOD clock
32	(20)	UNSIGNED	4	PRICONFM	Processor configuration mode. Constants: PRICBAS = BASIC mode (early LPAR=NO) PRICLPAR = LPAR mode (early LPAR=YES) PRICVM = VM (MBASIC) mode
36	(24)	CHARACTER	8	PRIUNIT	Unit
44	(2C)	CHARACTER	8	PRIMODL	Model
52	(34)	CHARACTER	8	PRIECLVL	Processor EC level
60	(3C)	CHARACTER	32	PRIOLOC	Location of processor
92	(5C)	CHARACTER	10	PRISER	Serial number of processor
102	(66)	CHARACTER	1	PRIXMP	Indication for HCM if a processor is an XMP processor
103	(67)	CHARACTER	1	*	Reserved
104	(68)	UNSIGNED	4	PRI#GUESC	Count of preferred guests, only if configuration mode is VM.
108	(6C)	CHARACTER	8	PRIRULET	Name of processor rules table
116	(74)	CHARACTER	16	PRISNAAD	SNA address of support element
116	(74)	CHARACTER	8	PRINETWN	Network name
124	(7C)	CHARACTER	8	PRISYSTN	System name
132	(84)	CHARACTER	8	PRIPNID	New Processor name
140	(8C)	CHARACTER	64	PRISUPPL	Support level
204	(CC)	UNSIGNED	4	PRISYLBL	System Label
208	(D0)	UNSIGNED	4	PRICSC	Count of CSS
212	(D4)	CHARACTER	8	PRILSYSN	local system name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	240	CPI	Basic area definition
0	(0)	CHARACTER	112	CPIOLD	overlay on old CPI structure
0	(0)	CHARACTER	4	CPISD	Storage descriptor
4	(4)	UNSIGNED	4	CPILGTH	Length of area
8	(8)	UNSIGNED	4	CPICPID	Channel path identifier (CHPID)
12	(C)	CHARACTER	8	CPIPRID	Processor name
20	(14)	UNSIGNED	4	CPITYPE	Channel path type. Constants: For possible values, see macro CBDZHCON.
24	(18)	UNSIGNED	4	CPIAMODE	Channel access mode. Constants: CPIADED = Channel is dedicated to one partition CPIASHR = Channel can be shared by authorized partitions CPIAREC = Channel can be reconfigured to authorized partitions
28	(1C)	CHARACTER	1	CPIFSV	If yes, channel path connects to a dynamic switch
29	(1D)	CHARACTER	1	CPIFLOAT	If yes, channel path is floating
30	(1E)	CHARACTER	1	CPIFSPLX	If yes, channel path has sysplex specified
31	(1F)	CHARACTER	1	CPIFPCHD	Indicates, that CPIPCHID is set (if yes)
32	(20)	UNSIGNED	4	CPISWID	Dynamic switch identifier, only valid if CPIFSV is set.
36	(24)	CHARACTER	32	CPILOC	Location information of channel path
68	(44)	UNSIGNED	4	CPICNID	New channel path identifier
72	(48)	UNSIGNED	4	CPICDID	Default channel path ID, taken from PIT. Only set for GET DEFAULT request.
76	(4C)	CHARACTER	1	CPISIDE	Processor side of channel path. Only set for GET DEFAULT request.
77	(4D)	CHARACTER	1	CPIOCC	Indicates, that CHPID is occupied (valid for CFS/CFR not connected to other CHPID)
78	(4E)	CHARACTER	1	CPIFAID	Indicates, that CHPID has an HCA id/port set (valid for a CIB CHPID)
79	(4F)	CHARACTER	5	*	Reserved
84	(54)	UNSIGNED	4	CPICSRC	count of channel subsystems if the channel is spanned
88	(58)	UNSIGNED	4	CPIPCHID	PCHID - physical channel path identifier
92	(5C)	CHARACTER	8	CPISPLEX	Sysplex name for floating channel path.
100	(64)	BITSTRING	1	CPIOSPRM	OS parameters
101	(65)	CHARACTER	1	CPICSRAM	Channel Subsystem mask
102	(66)	CHARACTER	1	*	reserved
103	(67)	CHARACTER	1	CPIDISPQ	OSD Multiple CUs: if priority queue is enabled, then HRB_YES is set, HRB_NO otherwise
104	(68)	UNSIGNED	4	CPISMTU	MTU size for IQD
108	(6C)	UNSIGNED	4	CPICSID	Channel Subsystem Id
112	(70)	CHARACTER	128	CPIEXT	CPI extension area
112	(70)	UNSIGNED	4	CPISAIID	host communication adapter identifier
116	(74)	UNSIGNED	4	CPISPORT	host communication adapter port number
120	(78)	CHARACTER	120	*	reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	100	SWI	Basic area definition
0	(0)	CHARACTER	4	SWISD	Storage descriptor
4	(4)	UNSIGNED	4	SWILGTH	Length of area
8	(8)	UNSIGNED	4	SWISWR	Logical Switch Number

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	CHARACTER	8	SWIUNIT	Unit
20	(14)	CHARACTER	4	SWIMODL	Model
24	(18)	CHARACTER	32	SWILOC	Location information of switch
56	(38)	CHARACTER	10	SWISER	Switch serial number
66	(42)	CHARACTER	2	*	Reserved
68	(44)	CHARACTER	1	SWICUIDP	If yes, SWICUID is present
69	(45)	CHARACTER	1	SWIDVIDP	If yes, SWIDVID is present
70	(46)	CHARACTER	1	SWISWADS	If yes, SWISWAD is set
71	(47)	CHARACTER	1	*	Reserved
72	(48)	UNSIGNED	4	SWICUID	Switch control unit number only valid if SWICUIDP is set
76	(4C)	UNSIGNED	4	SWIDVID	Switch device number only valid if SWIDVIDP is set
80	(50)	UNSIGNED	4	SWISWAD	switch address
84	(54)	CHARACTER	16	*	Reserved \$H5C

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	124	CUI	Basic area definition
0	(0)	CHARACTER	4	CUISD	Storage descriptor
4	(4)	UNSIGNED	4	CUILGTH	Length of area
8	(8)	UNSIGNED	4	CUICID	Physical control unit number
12	(C)	CHARACTER	8	CUIUNIT	Unit
20	(14)	CHARACTER	4	CUIMODL	Model
24	(18)	CHARACTER	8	CUIGROUP	Control unit group definitions
24	(18)	CHARACTER	1	CUIGDASD	If yes, DASD control unit
25	(19)	CHARACTER	1	CUIGTAPE	If yes, TAPE control unit
26	(1A)	CHARACTER	1	CUIGCLUS	If yes, Cluster controller
27	(1B)	CHARACTER	1	CUIGUNIT	If yes, Unit record device control unit
28	(1C)	CHARACTER	1	CUIGCOMM	If yes, Telecommunication control unit
29	(1D)	CHARACTER	1	CUIGMICR	If yes, MICR/OCR control unit
30	(1E)	CHARACTER	1	CUIGGRPH	If yes, Graphics system control unit
31	(1F)	CHARACTER	1	CUIGOTHR	If yes, Other
32	(20)	CHARACTER	32	CUILOC	Location of control unit
64	(40)	CHARACTER	10	CUISER	Serial number of control unit
74	(4A)	CHARACTER	1	CUIFIMPL	If yes, PCU is handled under the cover
75	(4B)	CHARACTER	1	CUIFCF	If yes, CU is for Coupling and handled under the cover
76	(4C)	UNSIGNED	4	CUICNID	New Physical Control Unit number
80	(50)	UNSIGNED	4	CUIPRIO	Control Unit Priority
84	(54)	CHARACTER	22	*	Reserved
106	(6A)	CHARACTER	18	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	140	DVI	Basic area definition
0	(0)	CHARACTER	4	DVISD	Storage descriptor
4	(4)	UNSIGNED	4	DVILGTH	Length of area
8	(8)	UNSIGNED	4	DVIDVID	Structure, Device number
12	(C)	CHARACTER	1	DVIFMULT	If yes, multiple exposure device
13	(D)	CHARACTER	1	DVIFCSS	If yes, device defined in CSS
14	(E)	CHARACTER	1	DVIFGRP	If yes, group device
15	(F)	CHARACTER	1	*	Reserved
16	(10)	UNSIGNED	4	DVIGROUP	Device group identifier. Constants: DVIGDASD = DASD DVIGTAPE = Tape DVIGCLUS = Cluster Controller DVIGCOMM = Communications DVIGMICR = MICR/OCR DVIGGRPH = Graphics DVIGPRT = Printer DVIGCARD = Card reader/punch DVIGDISP = Display station DVIGTPRT = Terminal printer DVIGOTHR = Other
20	(14)	CHARACTER	8	DVIUNIT	Unit
28	(1C)	CHARACTER	4	DVIMODL	Model
32	(20)	UNSIGNED	4	DVIBASE	Base device number valid only if DVIFMULT is set
36	(24)	UNSIGNED	4	DVINEXP	Next exposure device number valid only if DVIFMULT is set
40	(28)	CHARACTER	8	DVIUIM	UIM name of UIM that contains CSS definition for device
48	(30)	CHARACTER	32	DVILOC	Location of device
80	(50)	CHARACTER	10	DVISER	Serial number of device
90	(5A)	CHARACTER	1	DVIFIMPL	If yes, device is handled under the cover
91	(5B)	CHARACTER	1	DVIFCF	If yes, device is for Coupling Facility and handled under the cover
92	(5C)	CHARACTER	4	*	Reserved
96	(60)	CHARACTER	8	*	To contain VOLSER
96	(60)	CHARACTER	2	*	Reserved
98	(62)	CHARACTER	6	DVIVOLUM	Volume serial number
104	(68)	UNSIGNED	2	DVIRANGE	number of additional devs of the same device group represented by DVI
106	(6A)	CHARACTER	16	*	Reserved

CBDZHOEX Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
122	(7A)	CHARACTER	8	DVIFLAG2	
122	(7A)	CHARACTER	1	DVIFPAV	Indicates device is a PAV device
123	(7B)	CHARACTER	1	DVIFBASE	Indicates device is a PAV-base device. DVIFPAV is also set.
124	(7C)	CHARACTER	1	DVIFALIA	Indicates device is a PAV-alias device. DVIFPAV is also set.
130	(82)	CHARACTER	10	*	Reserved

CBDZHOEX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPI	0		DVIGROUP	10	
CPIAMODE	18		DVILGTH	4	
CPICDID	48		DVILOC	30	
CPICNID	44		DVIMODL	1C	
CPICPID	8		DVINEXP	24	
CPICSID	6C		DVIRANGE	68	
CPICSRAM	65		DVISD	0	
CPICSRC	54		DVISER	50	
CPIDISPQ	67		DVIUM	28	
CPIEXT	70		DVIUNIT	14	
CPIFAID	4E		DVIVOLUM	62	
CPIFLOAT	1D		HSI	0	
CPIFPCHD	1F		HSICAUT	12	
CPIFSPLX	1E		HSIHLQ	8	
CPIFSV	1C		HSIIN	8	
CPILGTH	4		HSILCHK	11	
CPILOC	24		HSILGTH	4	
CPIOCC	4D		HSINLS	10	
CPIOLD	0		HSIOSYS	14	
CPIOSPRM	64		HSIOUT	14	
CPIPCHID	58		HSISD	0	
CPIPRID	C		HSISUBV	1C	
CPISAIID	70		HSISUP1	20	
CPISD	0		HSISUP2	24	
CPISIDE	4C		HSIVERS	18	
CPISMTU	68		IOI	0	
CPISPLEX	5C		IOIACT	9E	
CPISPORT	74		IOIALINF	9C	
CPISWID	20		IOIAREF	A0	
CPITYPE	14		IOIBLAC	24	
CUI	0		IOIBLUC	28	
CUICNID	4C		IOIBUPDS	2C	
CUICUID	8		IOICDATE	C	
CUIFCF	4B		IOICHGLO	9D	
CUIFIMPL	4A		IOICXDAT	A	
CUIGCLUS	1A		IOIDESC1	8C	
CUIGCOMM	1C		IOIDESC2	94	
CUIGDASD	18		IOIFMODE	9	
CUIGGRPH	1E		IOIFMUA	1C0	
CUIGMICR	1D		IOIFTYPE	8	
CUIGOTHR	1F		IOIIDESC	1D0	
CUIGROUP	18		IOILGTH	4	
CUIGTAPE	19		IOINAME	58	
CUIGUNIT	1B		IOINTCPU	B5	
CUILGTH	4		IOINTMODL	BA	
CUILOC	20		IOINTSER	B7	
CUIMODL	14		IOINTTOD	BC	
CUIPRIO	50		IOINWWUV	B4	
CUISD	0		IOIPHCNT	1BE	
CUISER	40		IOIPTOK	1AE	
CUIUNIT	C		IOISD	0	
DVI	0		IOITCPU	A5	
DVIBASE	20		IOITCPUP	1AF	
DVIDVID	8		IOITMODL	AA	
DVIFALIA	7C		IOITMODLP	1B4	
DVIFBASE	7B		IOITOKEN	A4	
DVIFCF	5B		IOITSER	A7	
DVIFCSS	D		IOITSERP	1B1	
DVIFGRP	E		IOITTOD	AC	
DVIFIMPL	5A		IOITTODP	1B6	
DVIFLAG2	7A		IOIUDATE	14	
DVIFMULT	C		IOIUTIME	1C	
DVIFPAV	7A		IOIUXDAT	1A4	

Name	Hex Offset	Hex Value
IOIVALID	9F	
IOIVOLUM	84	
IOIWWUV	A4	
IOIWWUVP	1AE	
MSI	0	
MSIFERR	14	
MSIHEAD	0	
MSIHELP	28	
MSIID	8	
MSILGTH	4	
MSIMID	1C	
MSIRPYID	20	
MSISD	0	
MSISEV	10	
MSITEXT	48	
MSITEXTL	44	
PRI	0	
PRI#GUESC	68	
PRICONFM	20	
PRICSC	D0	
PRIECLVL	34	
PRILGTH	4	
PRILOC	3C	
PRILSYN	D4	
PRIMODL	2C	
PRINETWN	74	
PRIPNID	84	
PRIPRID	8	
PRIRULET	6C	
PRISD	0	
PRISER	5C	
PRISNAAD	74	
PRISUPPL	8C	
PRISYLBL	CC	
PRISYSTN	7C	
PRITCPU	11	
PRITMODL	16	
PRITOKEN	8	
PRITSER	13	
PRITTOD	18	
PRITWWUV	10	
PRIUNIT	24	
PRIXMP	66	
SWI	0	
SWICUID	48	
SWICUIDP	44	
SWIDVID	4C	
SWIDVIDP	45	
SWILGTH	4	
SWILOC	18	
SWIMODL	14	
SWISD	0	
SWISER	38	
SWISWAD	50	
SWISWADS	46	
SWISWR	8	
SWIUNIT	C	

CBDZHRB information

CBDZHRB Programming Interface information

Programming Interface information

CBDZHRB

End of Programming Interface information

Heading Information • CBDZHRB Map

CBDZHRB Heading Information

Common Name: HCD object management (HOM) request block.
Macro ID: CBDZHRB
DSECT Name: HRB
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: HRB
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Residency: Determined by caller
Size: 748
Created by: Routines using HOM
Pointed to by: N/A
Serialization: None
Function: The request block (HRB) contains the detailed request to the HOM on input and the result of the given request generated on output. On input it contains data elements and control information that HOM needs, to know how to process the request.

CBDZHRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	748	HRB	
0	(0)	CHARACTER	4	HRB_SDESC	Storage descriptor
4	(4)	UNSIGNED	4	HRB_LENGTH	Length of area
8	(8)	CHARACTER	44	HRB_USE_IODF	Identifies the IODF to be used, if not specified the last IODF is reused. Full qualified DSN without quotes.
52	(34)	CHARACTER	1	HRB_ACTIVE_IODF	If yes, the active IODF is used instead of HRB_USE_IODF.
53	(35)	CHARACTER	3	*	Reserved
56	(38)	UNSIGNED	4	HRB_FUNCTION	Function code
60	(3C)	CHARACTER	4	*	Reserved
64	(40)	CHARACTER	120	HRB_OBJECT	Specification of the object in the request together with all its qualifiers which may be mandatory, optional or unnecessary depending on the request and the object.
64	(40)	UNSIGNED	4	HRB_OBJ_CODE	Object code
68	(44)	CHARACTER	8	HRB_OBJ_NAME	Name of object
76	(4C)	UNSIGNED	4	HRB_OBJ_NR	Fixed ID of object fullword
80	(50)	CHARACTER	16	HRB_Q_ARR	Array of qualifiers (4294967301:562117152)
80	(50)	UNSIGNED	4	HRB_Q_CODE	Code of the qualifier
84	(54)	CHARACTER	8	HRB_Q_NAME	Name of qualifier
92	(5C)	UNSIGNED	4	HRB_Q_NR	Fixed ID of qualifier fullword
160	(A0)	CHARACTER	16	HRB_OBJ_NAMELONG	SCSI device name
160	(A0)	CHARACTER	16	HRB_NETADDR	Network address of SE
160	(A0)	CHARACTER	8	HRB_NETID	Network ID
168	(A8)	CHARACTER	8	HRB_NAU	Network addr. unit
176	(B0)	CHARACTER	8	*	Reserved
184	(B8)	CHARACTER	120	HRB_SOBJECT	Specification of second object involved in request with all its qualifiers. Only needed for requests with two objects.
184	(B8)	UNSIGNED	4	HRB_SOBJ_CODE	Object code of second object
188	(BC)	CHARACTER	8	HRB_SOBJ_NAME	Name of object
196	(C4)	UNSIGNED	4	HRB_SOBJ_NR	Fixed ID of object fullword
200	(C8)	CHARACTER	16	HRB_SQ_ARR	Array of qualifiers (4294967301:562119920)
200	(C8)	UNSIGNED	4	HRB_SQ_CODE	Code of the qualifier
204	(CC)	CHARACTER	8	HRB_SQ_NAME	Name of qualifier
212	(D4)	UNSIGNED	4	HRB_SQ_NR	Fixed ID of qualifier fullword
280	(118)	CHARACTER	24	*	Reserved
304	(130)	CHARACTER	16	HRB_ATTRIBUTE	Specification of additional attributes involved in the request. This fields are only needed for specific requests and objects. (4294967302:562121000)
304	(130)	UNSIGNED	4	HRB_A_CODE	Code of the first attribute
308	(134)	CHARACTER	8	HRB_A_NAME	Char value of attribute
316	(13C)	UNSIGNED	4	HRB_A_NR	Fixed value of attribute
400	(190)	CHARACTER	64	*	Reserved
464	(1D0)	UNSIGNED	4	HRB_REQ_MODE	Mode of the request. Only to be set for the GET request. See constant definition for details.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
468	(1D4)	SIGNED	4	HRB_RANGE_VALUE	Number and direction of objects to process. If range is > 0 following objects are referenced. If range is < 0 preceding objects are referenced. The range includes the object with the given ID.
472	(1D8)	CHARACTER	8	HRB_PARMS	Additional parameters for specific requests only.
472	(1D8)	CHARACTER	1	HRB_TRACE	If yes, HOM request will be traced
473	(1D9)	CHARACTER	1	HRB_TRACE_CLOSE_EXTEND	If yes, trace data set is closed for extension
474	(1DA)	CHARACTER	2	*	Reserved
476	(1DC)	ADDRESS	4	HRB_HCXI_ADDR	Address of extended environment setup described in the HCXI interface record (used by IOS to pass HCD data to a second HCD instance, e.g. for common trace or profile data sets)
480	(1E0)	CHARACTER	32	HRB_APPLICATION	Application maintained area. No support by HOM.
512	(200)	CHARACTER	108	HRB_INTERN	HOM internal used area. Layout not externalized.
620	(26C)	CHARACTER	128	HRB_INFO_RESULT	Section containing MUA info and HRB_Result
620	(26C)	CHARACTER	40	HRB_MUA_INFO	Section containing info ab. multi user access
620	(26C)	CHARACTER	8	HRB_LOCK_SYS	System name owning update lock
628	(274)	CHARACTER	8	HRB_LOCK_USER	User owning update lock
636	(27C)	UNSIGNED	1	HRB_LOCK_STAT	Locking status of IODF
637	(27D)	CHARACTER	3	*	Reserved
640	(280)	CHARACTER	16	HRB_LOCK_INFO	Lock information, TCB
656	(290)	CHARACTER	4	*	Reserved
660	(294)	CHARACTER	24	*	Reserved
684	(2AC)	CHARACTER	64	HRB_RESULT	Section containing result of the request
684	(2AC)	UNSIGNED	4	HRB_DATA_NR	Number of all output-data records available for request. Data may be obtained via the additional HRB_DGET request.
688	(2B0)	UNSIGNED	4	HRB_DATA_SIZE	Size for output-data generated. This is the minimum size necessary for the data-output-block in the additional HRB_DGET request.
692	(2B4)	UNSIGNED	4	HRB_DATA_MAXS	Maximum size of one output-data record for these request.
696	(2B8)	UNSIGNED	4	HRB_MSG_NR	Number of all messages available for request. Messages may be obtained by the additional HRB_MGET request.
700	(2BC)	UNSIGNED	4	HRB_MSG_SIZE	Size for messages generated. This is the minimum size necessary for the data-output-block in the additional HRB_MGET request.
704	(2C0)	UNSIGNED	4	HRB_MSG_MAXS	Maximum size of one message for these request.
708	(2C4)	CHARACTER	1	HRB_MSG_WRITTEN_TO_IOSQ	Message has been written to IOS queue.
709	(2C5)	CHARACTER	15	*	Reserved
724	(2D4)	UNSIGNED	4	HRB_IODF_INFO	IODF status information field, only set on output if HRB_ACTIVE_IODF specified. Constants: HRB_INSYNCH = HW and SW of the active IODF are in sync, HRB_NOTINSYNCH = HW and SW are out of sync, HRB_NOTOKEN = No valid HW token exists.
728	(2D8)	UNSIGNED	4	HRB_RETURN_CODE	Return code.
732	(2DC)	UNSIGNED	4	HRB_REASON_CODE	Reason-code.
736	(2E0)	UNSIGNED	4	HRB_CHK_DAR_CNT_SET	If 1, indicates that HRB_CHK_DAR_COUNT field has been set
740	(2E4)	UNSIGNED	4	HRB_CHK_DAR_COUNT	Total count of DAR records in IODF (used by HCM to check consistency with HCM config file)
744	(2E8)	CHARACTER	4	*	Reserved

CBDZHRB Cross Reference

CBDZHRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HRB	0		HRB_SQ_NAME	CC	
HRB_A_CODE	130		HRB_SQ_NR	D4	
HRB_A_NAME	134		HRB_TRACE	1D8	
HRB_A_NR	13C		HRB_TRACE_CLOSE_EXTEND	1D9	
HRB_ACTIVE_IODF	34		HRB_USE_IODF	8	
HRB_APPLICATION	1E0				
HRB_ATTRIBUTE	130				
HRB_CHK_DAR_CNT_SET	2E0				
HRB_CHK_DAR_COUNT	2E4				
HRB_DATA_MAXS	2B4				
HRB_DATA_NR	2AC				
HRB_DATA_SIZE	2B0				
HRB_FUNCTION	38				
HRB_HCXI_ADDR	1DC				
HRB_INFO_RESULT	26C				
HRB_INTERN	200				
HRB_IODF_INFO	2D4				
HRB_LENGTH	4				
HRB_LOCK_INFO	280				
HRB_LOCK_STAT	27C				
HRB_LOCK_SYS	26C				
HRB_LOCK_USER	274				
HRB_MSG_MAXS	2C0				
HRB_MSG_NR	2B8				
HRB_MSG_SIZE	2BC				
HRB_MSG_WRITTEN_TO_IOSQ	2C4				
HRB_MUA_INFO	26C				
HRB_NAU	A8				
HRB_NETADDR	A0				
HRB_NETID	A0				
HRB_OBJ_CODE	40				
HRB_OBJ_NAME	44				
HRB_OBJ_NAMELONG	A0				
HRB_OBJ_NR	4C				
HRB_OBJECT	40				
HRB_PARMS	1D8				
HRB_Q_ARR	50				
HRB_Q_CODE	50				
HRB_Q_NAME	54				
HRB_Q_NR	5C				
HRB_RANGE_VALUE	1D4				
HRB_REASON_CODE	2DC				
HRB_REQ_MODE	1D0				
HRB_RESULT	2AC				
HRB_RETURN_CODE	2D8				
HRB_SDESC	0				
HRB_SOBJ_CODE	B8				
HRB_SOBJ_NAME	BC				
HRB_SOBJ_NR	C4				
HRB_SOBJECT	B8				
HRB_SQ_ARR	C8				
HRB_SQ_CODE	C8				

CBDZIODV Information

CBDZIODV Programming Interface information

Programming Interface information

CBDZIODV

End of Programming Interface information

CBDZIODV Heading Information • CBDZIODV Map

CBDZIODV Heading Information

Common Name: IODEVICE Internal Text Record Mapping Macro
Macro ID: CBDZIODV
DSECT Name: IODV, IODVCUNL, IODVFEAL, IODVPARL, IODVDESL, PPVA, PPVAIX, PPVAVAL
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: IODEVICE
 Offset: 0
 Length: 8
Storage Attributes: Main Storage: Obtained by caller
 Residency: Determined by caller
Size: 164 bytes fixed part plus variable length extensions (IODV)
 2nd section: 16 bytes (IODVCUNL)
 3rd section: a variable number of 10 byte fields (IODVFEAL)
 4th section: a variable number of 8 byte fields (IODVPARL)
 5th section: a variable number of 44 byte fields (IODVDESL)
 6th section: 12 byte header (PPVA) followed by 64 array entries (PPVAIX) which are 32 bytes each
 7th section: a variable length field (PPVAVAL)
Created by: Assembler using CBDZPARS macro, HCD routines
Pointed to by: N/A
Serialization: None
Function: The CBDZIODV mapping contains:
 - The I/O device address and number,
 - The device characteristics, and
 - The control units to which the device is assigned,
 - The Private Parameter Value Array.

CBDZIODV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	IODV	"" IODEVICE Internal Text Record
0	(0)	CHARACTER	28		Internal text record header (ITRH)
28	(1C)	CHARACTER	8	IODVUNIT	Unit name specified
36	(24)	SIGNED	2		Reserved.
38	(26)	BITSTRING	1	IODVUNIA	Unit address
39	(27)	BITSTRING	1	IODVCSID	Channel Subsystem ID
40	(28)	BITSTRING	2	IODVDEVN	Device Number from DEVNUMBR
42	(2A)	BITSTRING	2	IODVDNBR	Hex device number
44	(2C)	SIGNED	2	IODVNBRD	Number of devices, default=1
46	(2E)	BITSTRING	1	IODVUIMF	UIM Internal flag byte
47	(2F)	1... ..	1	IODVUCNT	"X'80" 1= IODVNBRD default device count
		BITSTRING	1	IODVPRCF	Processing flag byte
		1... ..		IODVPMOD	"X'80" Model is a supported parameter for this device type
		.1.		IODVPREJ	"X'40" Do not process this IODEVICE stmr
		..1.		IODVPEDEF	"X'20" Define this I/O device
		...1		IODVPISC	"X'10" Device is an ISC device
		.... 1...		IODVSDEF	"X'08" DAD record has been created
		.... .1..		IODVPGRP	"X'04" Process as a device group
		.... ..1.		IODVPCON	"X'02" Device is connected to CHPID
		48	(30)	ADDRESS	4	IODVCUPT	Pointer to control unit list (IODVCUNL), zero when no list. Each entry is 2 bytes long
52	(34)	SIGNED	2	IODVCUCT	Number of control units in list
54	(36)	SIGNED	2	IODVFCNT	Number of features in FEATURE list (IODVFEAL)
56	(38)	ADDRESS	4	IODVFPTR	Pointer to features list (IODVFEAL), zero when no features specified (each entry in the list is ten bytes long)
60	(3C)	SIGNED	4	(0)	Word alignment for bit map
60	(3C)	BITSTRING	8	IODVPRM (0)	Parameter bits
60	(3C)	BITSTRING	8	IODVPRMS (0)	Parameter bits
60	(3C)	ADDRESS	1	IODVFLG1	Keyword flag byte 1
Comment					
Equates for MVS IODEVICE record					
End of Comment					
		1... ..		IODVFADP	"X'80" 1= ADAPTER keyword
		.1.		IODVFADD	"X'40" 1= ADDRESS keyword
		...1		IODVFFEA	"X'10" 1= FEATURE keyword
		.... .1..		IODVFMOD	"X'04" 1= MODEL keyword
		.... ..1.		IODVFNUM	"X'02" 1= NUMSECT keyword
		.... ...1		IODVFOFF	"X'01" 1= OFFLINE=YES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Equates for VM RDEVICE record					
End of Comment					
		1...		IODVVADP	"X'80" 1= ADAPTER keyword
		.1.		IODVVAFP	"X'40" 1= AFP keyword
		..1.		IODVVBAD	"X'20" 1= BASEADD keyword
		...1		IODVVCHR	"X'10" 1= CHARS keyword
		.... 1...		IODVVCLS	"X'08" 1= CLASS keyword
		.... .1.		IODVVCPN	"X'04" 1= CPNAME keyword
		.... ..1.		IODVVDST	"X'02" 1= DEST keyword
		.... ...1		IODVVDPM	"X'01" 1= DPMSIZE keyword
61	(3D)	ADDRESS	1	IODVFLG2	Keyword flag byte 2
Comment					
Equates for MVS IODEVICE record					
End of Comment					
		1...		IODVFPCU	"X'80" 1= PCU keyword
		.1.		IODVFSET	"X'40" 1= SETADDR keyword
		..1.		IODVFTCU	"X'20" 1= TCU keyword
		...1		IODVFUNI	"X'10" 1= UNIT keyword
		.... 1...		IODVFDYN	"X'08" 1= DYNAMIC keyword
		.... .1.		IODVFOWN	"X'04" 1= OWNER keyword
		.... ..1.		IODVFLOC	"X'02" 1= LOCANY keyword
Comment					
Equates for VM RDEVICE record					
End of Comment					
		1...		IODVVFCB	"X'80" 1= FCB keyword
		.1.		IODVVFLH	"X'40" 1= FLASH keyword
		..1.		IODVVFLD	"X'20" 1= FOLD keyword
		...1		IODVVFRM	"X'10" 1= FORM keyword
		.... 1...		IODVVIMG	"X'08" 1= IMAGE keyword
		.... .1.		IODVVIND	"X'04" 1= INDEX keyword
		.... ..1.		IODVVMOD	"X'02" 1= MODEL keyword
		.... ...1		IODVVOFF	"X'01" 1= OFFLINE keyword
62	(3E)	ADDRESS	1	IODVFLG3	Keyword flag byte 3
Comment					
Equates for VM RDEVICE record					
End of Comment					
		1...		IODVVSEP	"X'80" 1= SEP keyword
		.1.		IODVVSET	"X'40" 1= SETADDR keyword
		..1.		IODVVSHR	"X'20" 1= SHARED keyword
		...1		IODVVUIR	"X'10" 1= UIRATE keyword
		.... 1...		IODVVMRK	"X'08" 1= MARK keyword
		.... .1.		IODVVLIM	"X'04" 1= LIMIT keyword
		.... ..1.		IODVVMDC	"X'02" 1= MDC keyword
		.... ...1		IODVVDYN	"X'01" 1= DYNAMIC keyword
63	(3F)	BITSTRING	1	IODVFLG4	Reserved
Comment					
Equates for VM RDEVICE record					
End of Comment					
		1...		IODVVEQD	"X'80" 1= EQID keyword
64	(40)	BITSTRING	1	IODVFLG5	Reserved
Comment					
Equates for VM RDEVICE record for DEVTYPE=FBASCSI					
End of Comment					
		.... 1...		IODVVATT	"X'08" 1= ATTR keyword

CBDZIODV Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		IODVFCV	"X'04" 1= FCPDEV keyword
		.... .1.		IODVFWWP	"X'02" 1= WWPN keyword
		.... ...1		IODVVLUN	"X'01" 1= LUN keyword
65	(41)	BITSTRING	1	IODVFLG6	Reserved
		1...		IODVVPth	"X'80" 1= PREFPATHkeyword
66	(42)	BITSTRING	2		Reserved
68	(44)	SIGNED	4	IODVIOCP (0)	IOCP-only parameter bits
68	(44)	BITSTRING	4	IODVIPRM (0)	IOCP-only parameter bits
68	(44)	ADDRESS	1	IODVIOF1	IOCP-only keyword flag byte
		1...		IODVICUN	"X'80" 1= CUNUMBR keyword
		.1.		IODVIPth	"X'40" 1= PATH keyword
		.1.		IODVISTA	"X'20" 1= STADET=N
		...1		IODVITIM	"X'10" 1= TIMEOUT=N
		.... 1..		IODVIUNA	"X'08" 1= UNITADD keyword
		.... .1..		IODVIDEV	"X'04" 1= DEVNUMBR keyword
		.... .1.		IODVISTY	"X'02" 1= STADET=Y
		.... ...1		IODVITMY	"X'01" 1= TIMEOUT=Y
69	(45)	ADDRESS	1	IODVIOF2	IOCP-only keyword flag byte 2
		1...		IODVIPAR	"X'80" 1= PARTITION keyword
		.1.		IODVINPA	"X'40" 1= NOTPART keyword
		.1.		IODVIPCS	"X'20" 1= CSS specified with PART
		...1		IODVICCS	"X'10" 1= CSS specified with PATH
70	(46)	BITSTRING	2		Reserved
72	(48)	CHARACTER	4	IODVMODL	Model number (valid only when IODVFMOD is set)
76	(4C)	BITSTRING	1	IODVPFLG	Parameter flags
		1...		IODVPOFF	"X'80" .. ON = OFFLINE=YES, otherwise NO
		.1.		IODVPDYN	"X'40" .. ON = DYNAMIC=YES, otherwise NO
		.1.		IODVPLOC	"X'20" .. ON = LOCANY=YES, otherwise NO
77	(4D)	BITSTRING	1		Reserved
78	(4E)	SIGNED	2	IODVNUMS	Number of 256-byte buffer sections in a 2840 display control unit to be assigned to a 2250 Model 3 (valid only when IODVFNUM is set)
80	(50)	CHARACTER	4	IODVTCU	Transmission control unit (valid only when IODVFTCU is set)
84	(54)	SIGNED	2	IODVCHPC	Number of entries in preferred CHPID list (IODVCHPL)
86	(56)	BITSTRING	1	IODVPTH	Channel Path (valid only when IODVFPth is set)
87	(57)	BITSTRING	1	IODVSETA	Set address command indicator for 2702 (valid only when IODVFSET is set)
88	(58)	CHARACTER	5	IODVADPT	Transmission adapter specified on ADAPTER keyword (valid only when IODVFADP is set)
93	(5D)	BITSTRING	1	IODVSSID	Subchannel set number
94	(5E)	BITSTRING	2	IODVPCU	Physical control unit ID (valid only when IODVFPCU is set)
96	(60)	ADDRESS	4	IODVPPVA	Address to Private Parameter Value Array (PPVA)
100	(64)	CHARACTER	2		Reserved
102	(66)	ADDRESS	2	IODVXLEN	Length of extension area
104	(68)	ADDRESS	4	IODVXPTR	Address to extension area
108	(6C)	BITSTRING	8	IODVFEAT (0)	Feature bit string
108	(6C)	ADDRESS	1	IODVFEA1	Feature flag byte 1
Comment					
Equates for VM RDEVICE record					
End of Comment					
		1...		IODVFCNV	"X'80" 1= CONV feature
		.1.		IODVFDUA	"X'40" 1= DUALDENS feature
		.1.		IODVFEMU	"X'20" 1= EMUL3270 feature
		...1		IODVFHLD	"X'10" 1= E3270HLD feature
		.... 1..		IODVFOPR	"X'08" 1= OPRDR feature
		.... .1..		IODVFTRN	"X'04" 1= TRANS feature
		.... .1.		IODVFUNV	"X'02" 1= UNVCHSET feature
		.... ...1		IODVF4WC	"X'01" 1= 4WCGMS feature
109	(6D)	ADDRESS	1	IODVFEA2	Feature flag byte 2
Comment					
Equates for VM RDEVICE record					
End of Comment					
		1...		IODVF7TR	"X'80" 1= 7-TRACK feature
		.1.		IODVFDPS	"X'40" 1= DPS feature
		.1.		IODVFRES	"X'20" 1= RESERVE feature
110	(6E)	BITSTRING	6		Feature flag bytes 3 to 8
116	(74)	CHARACTER	8	IODVOWNR	Owner identification
124	(7C)	ADDRESS	4	IODVPARP	Pointer to partition list (IODVPARL) zero when no partition specified (each entry in the list is eight bytes long)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
128	(80)	SIGNED	2	IODVPARC	Number of entries in partition list (IODVPARL)
130	(82)	SIGNED	2	IODVDESC	Number of entries in IODVDESL
132	(84)	ADDRESS	4	IODVDESP	Pointer to list of serial number and description of devices (IODVDESL) zero when list not available
136	(88)	SIGNED	2	IODVEXPO	First non-base exposure device number, only valid when IODVMULT is set
138	(8A)	BITSTRING	1	IODVFLB	Flag byte
		1... ..		IODVMULT	"X'80" Device is a multi-exposure device and IODVEXPO contains the starting device number of the first non-base exposure
		.1..		IODVFPVAV	"X'40" If set, indicates that device is a PAV device
		...1.		IODVFBAS	"X'20" If set, indicates device is a PAV-base device. IODVFPVAV is also set.
		...1		IODVFALI	"X'10" If set, indicates device is a PAV-alias device. IODVFPVAV is also set.
		.... 1...		IODVFSCH	"X'08" If set, indicates device has subchannel set ID set, i.e. IODVSSID is set
139	(8B)	BITSTRING	1	IODVCSSM	Internal CSS mask
140	(8C)	ADDRESS	1	IODVSCHC	Number of entries in IODVSCHL
141	(8D)	CHARACTER	1	IODVPPRC	PPRC usage
142	(8E)	CHARACTER	1		Reserved
143	(8F)	BITSTRING	1	IODVCCSM	Internally used 002A
144	(90)	CHARACTER	6	IODVVOL	Reserved
150	(96)	BITSTRING	1	IODVXCMS	Internal existence mask
151	(97)	BITSTRING	1	IODVNCMK	CSS mask of null device cand list
152	(98)	ADDRESS	4	IODVPARS	Pointer to partition status list (IODVPAST), contains zero when no CSS is specified (number of entries contained in IODVPARC)
156	(9C)	ADDRESS	4	IODVCHPP	Pointer to preferred CHPID list
160	(A0)	ADDRESS	4	IODVSCHP	Pointer to subchannel set list

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVCUNL	Control Unit list - pointed to by IODVCUPT
0	(0)	SIGNED	2	IODVCUNO (8)	8 is a maximum - may be less or 0

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVFEAL	Features list - pointed to by IODVFPTR
0	(0)	CHARACTER	10	IODVFNAM (0)	Unknown number of features

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVPARL	Partition list - pointed to by IODVPARP
0	(0)	CHARACTER	8	IODVPANM (0)	Partition name - unknown number of entries

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVPAST	Partition status list - pointed to by IODVPARS
0	(0)	CHARACTER	2	(0)	Partition name - unknown number of entries
0	(0)	ADDRESS	1	IODVPACS	CSS id
1	(1)	BITSTRING	1	IODVPAIX	Inclusion/exclusion status
		1... ..		IODVPAIN	"X'80" .. Partition included
		.1..		IODVPAEX	"X'40" .. Partition excluded

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVCHPL	Preferred CHPID list - pointed to by IODVCHPP
0	(0)	BITSTRING	1	IODVCHP	Id of channel path used as preferred channel path
1	(1)	ADDRESS	1	IODVCHCS	CSS id of channel path

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVSCHL	Subchannel Set list - pointed to by IODVSCHP
0	(0)	BITSTRING	1	IODVSCHS	Subchannel set number in this channel subsystem
1	(1)	ADDRESS	1	IODVSSCS	CSS id of subchannel set

CBDZIODV Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IODVDESL	Device description list
0	(0)	CHARACTER	10	IODVSER	- Serial number
10	(A)	CHARACTER	2		- Reserved
12	(C)	CHARACTER	32	IODVDES	- Description

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PPVA	Private Parameter Value Array
0	(0)	CHARACTER	4	PPVASD	Storage descriptor ('PPVA')
4	(4)	ADDRESS	4	PPVAVAL	address to value area
8	(8)	SIGNED	4	PPVASVAL	size of value area
12	(C)	SIGNED	4	PPVAAIX (0)	the index area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PPVAIX	Private Parameter Value Array
0	(0)	BITSTRING	1	PPVATYP	parameter type
0	(0)	X'1'	0	PPVATDEC	"1" .. Decimal data
0	(0)	X'2'	0	PPVACHAR	"2" .. Character data
0	(0)	X'3'	0	PPVAHEX	"3" .. Hexadecimal data
0	(0)	X'4'	0	PPVAANUM	"4" .. Alphanumeric data
0	(0)	X'5'	0	PPVAANUX	"5" .. Alphanumeric data or '*'
0	(0)	X'6'	0	PPVAYN	"6" .. YES / NO
0	(0)	X'7'	0	PPVANAMC	"7" .. Character name
0	(0)	X'8'	0	PPVANAMX	"8" .. Character name or '*'
0	(0)	X'9'	0	PPVANAM_	"9" .. Character name including '_'
1	(1)	BITSTRING	1	PPVALEN	length of parameter value
2	(2)	BITSTRING	1	PPVACNT	number of specified parameter values
3	(3)	CHARACTER	1		reserved
4	(4)	CHARACTER	24		reserved for later use
28	(1C)	ADDRESS	4	PPVAVALP	address to the parameter value in the value area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PPVAVAL	PPVA index area
0	(0)	CHARACTER	1	PPVAVNAM (0)	the parameter value

Comment

The following definitions used for field PPVAPNAM if the parameter value is of type PPVAYN.

End of Comment

0	(0)	X'F0'	0	PPVAPNO	"C'0" 'NO' is parameter value
0	(0)	X'F1'	0	PPVAPYES	"C'1" 'YES' is parameter value

CBDZIODV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IODV	0	0	IODVDESP	84	
IODVADPT	58		IODVDEVN	28	
IODVCCSM	8F		IODVDNBR	2A	
IODVCHCS	1		IODVEXPO	88	
IODVCHP	0		IODVFADD	3C	40
IODVCHPC	54		IODVFADP	3C	80
IODVCHPL	0		IODVFALI	8A	10
IODVCHPP	9C		IODVFBAS	8A	20
IODVCSID	27		IODVFCNT	36	
IODVCSM	8B		IODVFCNV	6C	80
IODVCUCT	34		IODVFDPS	6D	40
IODVCUNL	0		IODVFDUA	6C	40
IODVCUNO	0		IODVFDYN	3D	8
IODVCUPT	30		IODVFEAL	0	
IODVDES	C		IODVFEAT	6C	
IODVDESC	82		IODVFEA1	6C	
IODVDESL	0		IODVFEA2	6D	

CBDZIODV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IODVFEMU	6C	20	IODVPPVA	60	
IODVFFEA	3C	10	IODVPRCF	2F	
IODVFHLD	6C	10	IODVPREJ	2F	40
IODVFLB	8A		IODVPRMS	3C	
IODVFLG1	3C		IODVSCHC	8C	
IODVFLG2	3D		IODVSCHL	0	
IODVFLG3	3E		IODVSCHP	A0	
IODVFLG4	3F		IODVSCHS	0	
IODVFLG5	40		IODVSDEF	2F	8
IODVFLG6	41		IODVSER	0	
IODVFLOC	3D	2	IODVSETA	57	
IODVFMOD	3C	4	IODVSSCS	1	
IODVFNAM	0		IODVSSID	5D	
IODVFNUM	3C	2	IODVTCU	50	
IODVFOFF	3C	1	IODVUCNT	2E	80
IODVFOPR	6C	8	IODVUIMF	2E	
IODVFOWN	3D	4	IODVUNIA	26	
IODVFPAV	8A	40	IODVUNIT	1C	
IODVFPCU	3D	80	IODVVADP	3C	80
IODVFPTR	38		IODVVAFP	3C	40
IODVFRES	6D	20	IODVVATT	40	8
IODVFSCH	8A	8	IODVVBAD	3C	20
IODVFSET	3D	40	IODVVCHR	3C	10
IODVFTCU	3D	20	IODVVCLS	3C	8
IODVFTRN	6C	4	IODVVCPN	3C	4
IODVFUNI	3D	10	IODVVDPM	3C	1
IODVFUNV	6C	2	IODVVDST	3C	2
IODVF4WC	6C	1	IODVVDYN	3E	1
IODVF7TR	6D	80	IODVVEQD	3F	80
IODVICCS	45	10	IODVVFCE	3D	80
IODVICUN	44	80	IODVVFCE	40	4
IODVIDEV	44	4	IODVVFLD	3D	20
IODVINPA	45	40	IODVVFLH	3D	40
IODVIOCP	44		IODVVFRM	3D	10
IODVIOF1	44		IODVVIMG	3D	8
IODVIOF2	45		IODVVIND	3D	4
IODVIPAR	45	80	IODVVLIM	3E	4
IODVIPCS	45	20	IODVVLUN	40	1
IODVIPRM	44		IODVVMDC	3E	2
IODVIPTH	44	40	IODVVMOD	3D	2
IODVISTA	44	20	IODVVMRK	3E	8
IODVISTY	44	2	IODVVOFF	3D	1
IODVITIM	44	10	IODVVOL	90	
IODVITMY	44	1	IODVVPTH	41	80
IODVIUNA	44	8	IODVVSEP	3E	80
IODVMODL	48		IODVVSET	3E	40
IODVMULT	8A	80	IODVVSHR	3E	20
IODVNBRD	2C		IODVVUIR	3E	10
IODVNCMK	97		IODVVWWP	40	2
IODVNUMS	4E		IODVXCMS	96	
IODVOWNR	74		IODVXLEN	66	
IODVPACS	0		IODVXPTR	68	
IODVPAEX	1	40	PPVA	0	
IODVPAIN	1	80	PPVAAIX	C	
IODVPAIX	1		PPVAANUM	0	4
IODVPANM	0		PPVAANUX	0	5
IODVPARC	80		PPVAVAL	4	
IODVPARL	0		PPVACHAR	0	2
IODVPARM	3C		PPVACNT	2	
IODVPARP	7C		PPVAHEX	0	3
IODVPARS	98		PPVAIX	0	
IODVPAST	0		PPVALEN	1	
IODVPATH	56		PPVANAM_	0	9
IODVPCON	2F	2	PPVANAMC	0	7
IODVPCU	5E		PPVANAMX	0	8
IODVPDEF	2F	20	PPVAPNO	0	F0
IODVPDYN	4C	40	PPVAPYES	0	F1
IODVPFLG	4C		PPVASD	0	
IODVPGRP	2F	4	PPVASVAL	8	
IODVPISC	2F	10	PPVATDEC	0	1
IODVPLOC	4C	20	PPVATYP	0	
IODVPMOD	2F	80	PPVAVAL	0	
IODVPOFF	4C	80	PPVAVALP	1C	
IODVPPRC	8D		PPVAVNAM	0	

CBDZIODV Cross Reference

Name	Hex Offset	Hex Value
PPVAYN	0	6

CBDZITRH Information

CBDZITRH Programming Interface information

Programming Interface information

CBDZITRH

End of Programming Interface information

CBDZITRH Heading Information • CBDZITRH Cross Reference

CBDZITRH Heading Information

Common Name: Internal Text Record Header Mapping Macro
Macro ID: CBDZITRH
DSECT Name: ITRH
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: RESOURCE, CHPID, IODEVICE, CNTLUNIT, EDT, UNITNAME, NIPCON, ID, IOCONFIG, RDEVICE, SWITCH, PORT, SWCONF, POCONF, FUNCTION, RIOGEN, HCDSEP, or HCDEND
 Offset: 0
 Length: 8
Storage Attributes: Main Storage: Obtained by caller
 Key: Caller
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: 28 bytes
Created by: Assembler using CBDZPARS macro, HCD modules
Pointed to by: N/A
Serialization: None
Function: Maps the Internal Text Record Header.

CBDZITRH 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	ITRH	CBDZITRH Internal Text Record Header
0	(0)	CHARACTER	8	ITRHID	Internal text record type (CHPID, CNTLUNIT, EDT, ID, IOCONFIG, IODEVICE, NIPCON, HCDEND, HCDSEP, RDEVICE, RIOGEN, or UNITNAME)
8	(8)	CHARACTER	6	ITRHSNBR	statement number, right aligned
14	(E)	BITSTRING	1		Reserved
15	(F)	CHARACTER	1	ITRHFNBR	File number
16	(10)	ADDRESS	4	ITRHNEXT	Pointer to next internal text record, zero if last record
20	(14)	BITSTRING	4		Reserved
24	(18)	BITSTRING	4	ITRHUSER	For component use
28	(1C)	BITSTRING	1	ITRHTEXT (0)	Start of internal text

CBDZITRH Cross Reference

Name	Hex Offset	Hex Value
ITRH	0	
ITRHFNBR	F	
ITRHID	0	
ITRHNEXT	10	
ITRHSNBR	8	
ITRHTEXT	1C	
ITRHUSER	18	

CBDZMSG Information

CBDZMSG Programming Interface information

Programming Interface information

CBDZMSG

End of Programming Interface information

CBDZMSG Heading Information • CBDZMSG Map

CBDZMSG Heading Information

Common Name: HCD Message Routine Parameter List
Macro ID: CBDZMSG
DSECT Name: MSGR
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: MSG
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: 128 bytes
Created by: UIM and other HCD routines
Pointed to by: N/A
Serialization: None
Function: Maps the HCD Message Routine Parameter List

CBDZMSG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Message Routine Input Parameter
0	(0)	CHARACTER	4	MSGSD	Storage descriptor
4	(4)	CHARACTER	8	MSGMID	Message identifier
12	(C)	CHARACTER	1	MSGSEV	Severity level
12	(C)	X'C9'	0	MSGINFO	"C'I" .. Informational message
12	(C)	X'E6'	0	MSGWARN	"C'W" .. Warning message
12	(C)	X'E2'	0	MSGSWRN	"C'S" .. Severe warning message
12	(C)	X'CS'	0	MSGERR	"C'E" .. Error message
12	(C)	X'E3'	0	MSGTERM	"C'T" .. Terminating message
13	(D)	BITSTRING	1	MSGFLGS	Flags
		1... ..		MSGFUIM	"B'10000000" .. Caller is a UIM
		.1.		MSGFSTMT	"B'01000000" .. STMT=YES was specified
		..1.		MSGFFILE	"B'00100000" .. STMT=FILE was specified
		.... 1...		MSGFCNTL	"B'00001000" .. Is a CONTROL message
14	(E)	ADDRESS	1	MSGROUTE	Message Routing Code
14	(E)	X'1'	0	MSGRSCRN	"1" .. Default destination (screen or SYSPRINT depending on mode)
14	(E)	X'2'	0	MSGRSLOG	"2" .. Message is destined for HCD log (HCDMLLOG)
14	(E)	X'3'	0	MSGRTLOG	"3" .. Message is destined for temporary log for message fullist
14	(E)	X'4'	0	MSGRYLOG	"4" .. Message is destined for syslog
15	(F)	CHARACTER	1	MSGSEVC	Control severity level, this field overrules MSGSEV, it may be used if a message is to be logged into a severity queue deviating from the queue specified in MSGSEV.
16	(10)	CHARACTER	8	MSGCURS	Identifier of dialog variable the cursor is to be positioned
24	(18)	ADDRESS	4	MSGPTR1	Pointer to message variable 1
28	(1C)	SIGNED	1	MSGLEN1	Length of message variable 1
29	(1D)	BITSTRING	1	MSGTYP1	Type of message variable 1
30	(1E)	BITSTRING	2		Reserved
32	(20)	ADDRESS	4	MSGPTR2	Pointer to message variable 2
36	(24)	SIGNED	1	MSGLEN2	Length of message variable 2
37	(25)	BITSTRING	1	MSGTYP2	Type of message variable 2
38	(26)	BITSTRING	2		Reserved
40	(28)	ADDRESS	4	MSGPTR3	Pointer to message variable 3
44	(2C)	SIGNED	1	MSGLEN3	Length of message variable 3
45	(2D)	BITSTRING	1	MSGTYP3	Type of message variable 3
46	(2E)	BITSTRING	2		Reserved
48	(30)	ADDRESS	4	MSGPTR4	Pointer to message variable 4
52	(34)	SIGNED	1	MSGLEN4	Length of message variable 4
53	(35)	BITSTRING	1	MSGTYP4	Type of message variable 4
54	(36)	BITSTRING	2		Reserved
56	(38)	ADDRESS	4	MSGPTR5	Pointer to message variable 5
60	(3C)	SIGNED	1	MSGLEN5	Length of message variable 5
61	(3D)	BITSTRING	1	MSGTYP5	Type of message variable 5
62	(3E)	BITSTRING	2		Reserved
64	(40)	ADDRESS	4	MSGPTR6	Pointer to message variable 6
68	(44)	SIGNED	1	MSGLEN6	Length of message variable 6
69	(45)	BITSTRING	1	MSGTYP6	Type of message variable 6
70	(46)	BITSTRING	2		Reserved
72	(48)	ADDRESS	4	MSGPTR7	Pointer to message variable 7
76	(4C)	SIGNED	1	MSGLEN7	Length of message variable 7
77	(4D)	BITSTRING	1	MSGTYP7	Type of message variable 7
78	(4E)	BITSTRING	2		Reserved
80	(50)	ADDRESS	4	MSGPTR8	Pointer to message variable 8

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	SIGNED	1	MSGLEN8	Length of message variable 8
85	(55)	BITSTRING	1	MSGTYP8	Type of message variable 8
86	(56)	BITSTRING	2		Reserved
88	(58)	ADDRESS	4	MSGPTR9	Pointer to message variable 9
92	(5C)	SIGNED	1	MSGLEN9	Length of message variable 9
93	(5D)	BITSTRING	1	MSGTYP9	Type of message variable 9
94	(5E)	BITSTRING	2		Reserved
96	(60)	BITSTRING	16		Reserved
112	(70)	BITSTRING	16	MSGFPOS	Position field name
112	(70)	X'80'	0	MSGEND	"" End of MSGR.
0	(0)	CHARACTER	1	MSGR	Message Log Routine Input Params.

Comment

The following constants are used for the message variable type

End of Comment

0	(0)	X'C3'	0	MSGTCHAR	"C'" .. Message variable is character
0	(0)	X'C2'	0	MSGTBIN	"C'B" .. Message variable is binary
0	(0)	X'C8'	0	MSGTHEX	"C'H" .. Message variable is hexadecimal
128	(80)	CHARACTER	4	MSGIDNM	Constant for storage descriptor

CBDZMSG Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MSGCURS	10	40404040	MSGTYP4	35	0
MSGEND	70	80	MSGTYP5	3D	0
MSGERR	C	C5	MSGTYP6	45	0
MSGFCNTL	D	8	MSGTYP7	4D	0
MSGFFILE	D	20	MSGTYP8	55	0
MSGFLGS	D	0	MSGTYP9	5D	0
MSGFPOS	70	0	MSGWARN	C	E6
MSGFSTMT	D	40			
MSGFUIM	D	80			
MSGIDNM	80	D4E2C740			
MSGINFO	C	C9			
MSGLEN1	1C	0			
MSGLEN2	24	0			
MSGLEN3	2C	0			
MSGLEN4	34	0			
MSGLEN5	3C	0			
MSGLEN6	44	0			
MSGLEN7	4C	0			
MSGLEN8	54	0			
MSGLEN9	5C	0			
MSGMID	4	40404040			
MSGPTR1	18				
MSGPTR2	20				
MSGPTR3	28				
MSGPTR4	30				
MSGPTR5	38				
MSGPTR6	40				
MSGPTR7	48				
MSGPTR8	50				
MSGPTR9	58				
MSGR	0				
MSGROUTE	E				
MSGRSCRN	E	1			
MSGRSLOG	E	2			
MSGRLOG	E	3			
MSGRYLOG	E	4			
MSGSD	0	D4E2C740			
MSGSEV	C	40			
MSGSEVC	F	40			
MSGSWRN	C	E2			
MSGTBIN	0	C2			
MSGTCHAR	0	C3			
MSGTERM	C	E3			
MSGTHEX	0	C8			
MSGTYP1	1D	0			
MSGTYP2	25	0			
MSGTYP3	2D	0			

CBDZSIP Information

CBDZSIP Programming Interface information

Programming Interface information

CBDZSIP

End of Programming Interface information

CBDZSIP Heading Information • CBDZSIP Map

CBDZSIP Heading Information

Common Name: Switch Information Parameters (SIP)
Macro ID: CBDZSIP
DSECT Name: SIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: SIP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by UIM
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Switch Information Parameters

CBDZSIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	SIP (0)	CU Information Parameters
0	(0)	CHARACTER	4	SIPID	SIP identifier ('SIP')
4	(4)	ADDRESS	1	SIPVER	SIP version number
5	(5)	BITSTRING	1	SIPFLAG	Flag byte
		1.. ..		SIPFDMOD	"X'80" .. This model is the default model for this switch
		.1.. ..		SIPFOPEN	"X'40" .. Open switch, i.e. no special validation done
		..1.		SIPFCHK2	"X'20" .. Check connection to a system via 2 paths
6	(6)	ADDRESS	1	SIPATYPE	Switch type
6	(6)	X'0'	0	SIPATESC	"0" - ESCON type
6	(6)	X'1'	0	SIPATFIC	"1" - FICON type
7	(7)	BITSTRING	9		Reserved
16	(10)	CHARACTER	12	SIPUNMD (0)	Switch type and model
16	(10)	CHARACTER	8	SIPUNIT	.. Type
24	(18)	CHARACTER	4	SIPMODL	.. Model number (binary zero if not present)
28	(1C)	BITSTRING	4		Reserved
Comment					
Attachment Information					
End of Comment					
32	(20)	BITSTRING	4	SIPATTT	Attachment type
Comment					
EQU X'80000000' .. Reserved					
EQU X'40000000' .. Reserved					
End of Comment					
		.... ..		SIPATCNC	"X'20000000" .. attachable to ESCON channel (TYPE=CNC)
		.... ..		SIPATCTC	"X'10000000" .. attachable to ESCON CTC
		.... ..		SIPATCVC	"X'08000000" .. attachable to CVC channel (ESCON converter)
		.... ..		SIPATIOC	"X'04000000" .. attachable to IOC channel
Comment					
EQU X'02000000' .. Reserved					
EQU X'01000000' .. Reserved					
End of Comment					
32	(20)	BITSTRING	0	SIPATCBY	"X'00800000" .. attachable to CBY channel
Comment					
EQU X'00400000' .. Reserved					
EQU X'00200000' .. Reserved					
End of Comment					
32	(20)	BITSTRING	0	SIPATFC	"X'00040000" .. attachable to FC channel
32	(20)	BITSTRING	0	SIPATFCV	"X'00020000" .. attachable to FCV channel
36	(24)	ADDRESS	4	SIPSWLC	Count of switch types and models in list

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	ADDRESS	4	SIPSWLP	Pointer to attachable switch list
44	(2C)	ADDRESS	4	SIPCULC	Count of switch control unit type/models in list
48	(30)	ADDRESS	4	SIPCULP	Pointer to switch control unit type/models in list
52	(34)	ADDRESS	4	SIPCHPC	Count of CHPID types with CHPID related information
56	(38)	ADDRESS	4	SIPCHPP	Pointer to CHPID type related information

Comment

The following bitmaps define the port characteristics

- o Control unit port usage mask
- o support mask (maximum port range)
- o minimum port range
- o CHPID attachment mask
- o Control unit attachment mask
- o Switch attachment mask

End of Comment

60	(3C)	BITSTRING	32	SIPCUPUM	Control unit port usage mask indicates if the port can be used as control unit port (CUP)
92	(5C)	BITSTRING	32	SIPPOSUP	Port support mask, indicates if the port is supported by the switch
124	(7C)	BITSTRING	32	SIPPOMIN	Minimum port range, indicates if the port belongs to the minimum port range
156	(9C)	BITSTRING	32	SIPPOCHP	CHPID attachment mask, indicates if the port allows that a CHPID can be attached to the port
188	(BC)	BITSTRING	32	SIPPOCU	Control unit attachment mask, indicates if the port allows that a control unit can be connected to it
220	(DC)	BITSTRING	32	SIPPOSW	Switch attachment mask, indicates if the port allows the attachment of another switch

Comment

The following array maps the attachable switch list. If more than one switch exists which can be attached to the switch, described by this SIP, you must code SWL=n on the macro statement where 'n' is the number of switches.

End of Comment

252	(FC)	SIGNED	4	SIPASWL (0)	Attachable switch list
252	(FC)	BITSTRING	12		Switch type/model

Comment

The following array maps the switch control unit list. Each entry defines a control unit, by type and model, which can be defined as "switch" control unit. You must code CUL=n on the macro statement where 'n' is the number of switch control units.

End of Comment

264	(108)	SIGNED	4	SIPCULST (0)	Switch control unit list
264	(108)	BITSTRING	12		Switch control unit type/models

Comment

The following array maps the CHPID type related connection information.

End of Comment

276	(114)	SIGNED	4	SIPCPLST (0)	CHPID type related connection information
276	(114)	BITSTRING	80		CHPID type related entry

CBDZSIP Cross Reference

CBDZSIP Cross Reference

Name	Hex Offset	Hex Value
SIP	0	
SIPASWL	FC	
SIPATCBY	20	800000
SIPATCNC	20	0
SIPATCTC	20	0
SIPATCVC	20	0
SIPATESC	6	0
SIPATFC	20	40000
SIPATFCV	20	20000
SIPATFIC	6	1
SIPATIOC	20	0
SIPATTT	20	0
SIPATYPE	6	
SIPCHPC	34	
SIPCHPP	38	
SIPCPST	114	
SIPCULC	2C	
SIPCULP	30	
SIPCULST	108	
SIPCUPUM	3C	0
SIPFCHK2	5	20
SIPFDMOD	5	80
SIPFLAG	5	0
SIPFOPEN	5	40
SIPID	0	E2C9D740
SIPMODL	18	40404040
SIPPOCHP	9C	0
SIPPOCU	BC	0
SIPPOMIN	7C	0
SIPPOSUP	5C	0
SIPPOSW	DC	0
SIPSWLC	24	
SIPSWLP	28	
SIPUNIT	10	40404040
SIPUNMD	10	
SIPVER	4	

CBDZUCA Information

CBDZUCA Programming Interface information

Programming Interface information

CBDZUCA

End of Programming Interface information

CBDZUCA Heading Information • CBDZUCA Map

CBDZUCA Heading Information

Common Name: UIM Communication Area
Macro ID: CBDZUCA
DSECT Name: UCA
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: UIM
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by caller
 Data Space: SUBPOOL AND KEY:
 Residency: Determined by caller
Size: 164 bytes
Created by: UIM and other HCD routines
Pointed to by: N/A
Serialization: None
Function: Maps the UIM Communication Area

CBDZUCA 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	UCA	UIM Communication Area
0	(0)	CHARACTER	4	UCAID	UCA identifier
4	(4)	BITSTRING	1	UCAVER	UCA version number
		.... ..1		UCAVERN	"X'01'" .. Version number X'01'
		.... ..1.		UCAVER2	"X'02'" .. Version number X'02'
		.... ..11		UCAVER3	"X'03'" .. Version number X'03'
		.... ..1..		UCAVER4	"X'04'" .. Version number X'04'
4	(4)	X'4'	0	UCAVERC	"UCAVER4" .. Current version number
5	(5)	BITSTRING	3		Reserved
8	(8)	ADDRESS	4	UCACPVT	CPVT Address

Comment

UIM Service Routine Addresses

End of Comment

12	(C)	ADDRESS	4	UCADCTP	DCT Build Routine address
16	(10)	ADDRESS	4	UCADFTP	DFT Build Routine address
20	(14)	ADDRESS	4	UCAGITP	GIT Build Routine address
24	(18)	ADDRESS	4	UCAUITP	UIT Build Routine address
28	(1C)	ADDRESS	4	UCACITP	CIT Build Routine address
32	(20)	ADDRESS	4	UCAUGNP	Update generic name Routine addr
36	(24)	ADDRESS	4	UCADEV	Device Look-up Routine address
40	(28)	ADDRESS	4	UCASITP	SIT Build Routine address
44	(2C)	ADDRESS	4	(3)	Reserved, must be zero

Comment

General Service Routine Addresses

End of Comment

56	(38)	ADDRESS	4	UCAMGETM	GETMAIN Service Routine address
60	(3C)	ADDRESS	4	UCAMPPDS	Push/Pop Diagnostic Stack Routine address
64	(40)	ADDRESS	4	UCAMMSG	Message Routine address
68	(44)	ADDRESS	4	UCATRCEP	Address of trace service routine
72	(48)	ADDRESS	4	(6)	Reserved, must be zero

Comment

UIM Interface Information

End of Comment

96	(60)	ADDRESS	4	UCAIODVP	IODEVICE internal text record address
100	(64)	BITSTRING	1	UCAUIMRT	UIM request type
		.... ..1		UCARINIT	"X'01'" .. Initialization request
		.... ..1.		UCARDFTB	"X'02'" .. DFT build request
		.... ..11		UCAREOD	"X'03'" .. End of data processing

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		UCARADDR	"X'04" .. Device Number check
		.... .1.1		UCARPARM	"X'05" .. Parameter check
		.... .11.		UCARFEAT	"X'06" .. Feature check
		.... .111		UCARUADD	"X'07" .. Unit Address check
101	(65)	BITSTRING	1	UCAFLAG1	Flags set by UIMs
		1..		UCAEODAT	"X'80" .. UIM should be called again to perform end of data checking
102	(66)	BITSTRING	1		Reserved, must be zero
103	(67)	BITSTRING	1	UCAOSTP	OS type for which parameter and feature checks have to be performed
		.... ....		UCAMVS	"X'00" .. MVS
		.... ...1		UCAVM	"X'01" .. VM
104	(68)	ADDRESS	4	UCAUSER	UIM user value for device
108	(6C)	SIGNED	2	UCAPID	Identifier of the parameter where the message issued by a UIM belongs to
110	(6E)	SIGNED	2	UCAPPOS	Position of feature in feature bitstring where the message issued by a UIM belongs to
112	(70)	SIGNED	4	UCARETC	Return Code, set by UIM
112	(70)	X'0'	0	UCARCOK	"0" .. OK, everything alright
112	(70)	X'4'	0	UCARWARN	"4" .. Warning issued
112	(70)	X'8'	0	UCARCERR	"8" .. Error occurred
116	(74)	CHARACTER	32		Reserved, must be zero

Comment

DFT/UCB Build Information

End of Comment

148	(94)	ADDRESS	4	UCADDSP	Address of UCB device dependent segment information
152	(98)	ADDRESS	4	UCADDEP	Address of UCB device dependent extension information
156	(9C)	ADDRESS	4	UCADCEP	Address of UCB device class extension information
160	(A0)	CHARACTER	4		Reserved, must be zero
160	(A0)	X'A4'	0	UCALENG	"*-UCA" Length of control block

Comment

The following constants are used to determine the support level HCD provides for the UIMs

End of Comment

160	(A0)	X'2'	0	UCASLSW	"UCAVER2" Lowest UCA version number that supports switches
160	(A0)	X'3'	0	UCASLSE	"UCAVER3" UCA version number 3
160	(A0)	X'4'	0	UCASLSH	"UCAVER4" Lowest UCA version number that supports SHARK

CBDZUCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCA	0		UCARFEAT	64	6
UCACITP	1C		UCARINIT	64	1
UCACPVTP	8		UCARPARM	64	5
UCADCEP	9C		UCARUADD	64	7
UCADCTP	C		UCARWARN	70	4
UCADDEP	98		UCASITP	28	
UCADDSP	94		UCASLSE	A0	3
UCADEV	24		UCASLSH	A0	4
UCADFTP	10		UCASLSW	A0	2
UCAEODAT	65	80	UCATRCEP	44	
UCAFLAG1	65		UCAUGNP	20	
UCAGITP	14		UCAUIMRT	64	
UCAID	0		UCAUITP	18	
UCAIODVP	60		UCAUSER	68	
UCALENG	A0	A4	UCAVER	4	
UCAMGETM	38		UCAVERC	4	4
UCAMMSG	40		UCAVERN	4	1
UCAMPPDS	3C		UCAVER2	4	2
UCAMVS	67	0	UCAVER3	4	3
UCAOSTP	67		UCAVER4	4	4
UCAPID	6C		UCAVM	67	1
UCAPPOS	6E				
UCARADDR	64	4			
UCARCERR	70	8			
UCARCOK	70	0			
UCARDFTB	64	2			
UCAREOD	64	3			
UCARETC	70				

CBDZUIP Information

CBDZUIP Programming Interface information

Programming Interface information

CBDZUIP

End of Programming Interface information

CBDZUIP Heading Information • CBDZUIP Map

CBDZUIP Heading Information

Common Name: Unit Information Parameters
Macro ID: CBDZUIP
DSECT Name: UIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: UIP
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Obtained by UIM
 Residency: Determined by caller
Size: 232 bytes
Created by: UIM
Pointed to by: N/A
Serialization: NONE
Function: Maps the Unit Information Parameters.

CBDZUIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	UIP (0)	Unit Information Parameters
Comment					
UIP Header					
End of Comment					
0	(0)	SIGNED	4	UIPGHDS (0)	UIP Header Section
0	(0)	CHARACTER	4	UIPGID	Control block identifier ("UIP ")
4	(4)	ADDRESS	1	UIPGVER	UIP version number
		.... ...1		UIPGVER1	"X'01" .. Version 1 of UIP
5	(5)	BITSTRING	1		Reserved
6	(6)	ADDRESS	2	UIPGELEN	Entire Length of UIP
Comment					
General Section					
End of Comment					
8	(8)	SIGNED	4	UIPGENS (0)	UIP General Section
Comment					
Header of General Section					
End of Comment					
8	(8)	ADDRESS	2	UIPGLEN	Length of general section
10	(A)	ADDRESS	1	UIPGTYP	Type of section
		1111 1111		UIPGEN	"X'FF" .. 255 for general section
11	(B)	BITSTRING	1		Reserved
Comment					
Body of General Section					
End of Comment					
12	(C)	CHARACTER	12	UIPGUNMD (0)	Unit and model
12	(C)	CHARACTER	8	UIPGUNIT	Unit name
20	(14)	BITSTRING	4	UIPGMODL	Model number (must be binary zero if model is not specified)
24	(18)	ADDRESS	1	UIPGDESI	Index to unit description in associated UDT
25	(19)	ADDRESS	1	UIPGGRP	Device type grouping
25	(19)	X'1'	0	UIPGDASD	"1" .. DASD
25	(19)	X'2'	0	UIPGTAPE	"2" .. Tape
25	(19)	X'3'	0	UIPGCLUS	"3" .. Cluster Controller
25	(19)	X'4'	0	UIPGCOMM	"4" .. Communications
25	(19)	X'5'	0	UIPGMICR	"5" .. MICR/OCR
25	(19)	X'6'	0	UIPGGRPH	"6" .. Graphics
25	(19)	X'7'	0	UIPGPRT	"7" .. Printer
25	(19)	X'8'	0	UIPGCARD	"8" .. Card reader/punch
25	(19)	X'9'	0	UIPGDISP	"9" .. Display
25	(19)	X'A'	0	UIPGTPRT	"10" .. Terminal printer
25	(19)	X'FF'	0	UIPGOTHR	"255" .. Other

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
26	(1A)	BITSTRING	2		Reserved
28	(1C)	ADDRESS	4	UIPGUSER	UIM user value for device
32	(20)	CHARACTER	1	UIPGDFLT (0)	Default values for replication information
32	(20)	ADDRESS	2	UIPGDDRF	Default replication factor
34	(22)	ADDRESS	2	UIPGDLRF	Minimum replication factor
36	(24)	ADDRESS	2	UIPGDHRF	Maximum replication factor (if binary zero, the value enforced by the dialog, is taken)
38	(26)	ADDRESS	2	UIPGDNC	Count of device numbers to generate for each device if multiple-exposure device
40	(28)	ADDRESS	2	UIPGDNI	Interval between device numbers when multiple device numbers are generated for the same device (valid only when the value of UIPDNC is greater than one)
42	(2A)	BITSTRING	1	UIPGRFLG	Replication factor flags
		1... ..		UIPGFMEX	"X'80" .. device is multi-exposure device
		.1.		UIPGFGRP	"X'40" .. device builds a group of devices
		..1.		UIPGFPAV	"X'20" .. If set, indicates that device is a PAV device
		...1		UIPGFBAS	"X'10" .. If set, indicates that device is a PAV-base device. UIPGFPAV is also set.
		.... 1...		UIPGFALI	"X'08" .. If set, indicates that device is a PAV-alias device. UIPGFPAV is also set.
43	(2B)	BITSTRING	1	UIPGPFLG	Processing flag
		1... ..		UIPGFIGN	"X'80" .. device to be ignored by NOCHECK
44	(2C)	ADDRESS	1	UIPGDFLG	Default Flag byte
		1... ..		UIPGFTOU	"X'80" .. TIMEOUT=NO is default
		.1.		UIPGFSTA	"X'40" .. STADET=NO is default
		.... ...1		UIPGFDMD	"X'01" .. Device model is default
45	(2D)	ADDRESS	1	UIPGFLG2	Flag byte 2
		.... .1..		UIPGFSDY	"X'04" .. Device is defined as a secondary
		.... ..1.		UIPGFSPC	"X'02" .. Device is special, i.e. it can only be defined in an alternate subchannel set and is not included in an EDT
		.... ...1		UIPGFSCH	"X'01" .. Device supports multiple subchannel sets.
46	(2E)	BITSTRING	2		Reserved
48	(30)	CHARACTER	8	UIPGATT (0)	Attachment information
48	(30)	ADDRESS	2	UIPGMNCU	maximum number of CUs a device can be attached to (if binary zero, the value enforced by the dialog, is taken)
50	(32)	BITSTRING	6		Reserved for attachment info
56	(38)	BITSTRING	1	UIPGPR	Processing Flags
		1... ..		UIPGFINT	"X'80" .. Internal UIT to be built
57	(39)	BITSTRING	15		Reserved
57	(39)	X'40'	0	UIPGLN1	"*-UIPGENS" Length of general section

Comment

MVS Section

End of Comment

72	(48)	SIGNED	4	UIPMVSS (0)	UIP MVS Section
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Comment

Header of MVS Section

End of Comment

72	(48)	ADDRESS	2	UIPMLN	Length of MVS section
74	(4A)	ADDRESS	1	UIPMTYP	Type of section
		.... ....		UIPMVS	"X'00" .. 0 for MVS section
75	(4B)	BITSTRING	1		Reserved

Comment

Body of MVS Section

End of Comment

76	(4C)	CHARACTER	8	UIPMGNM	Generic name of device
84	(54)	SIGNED	4	UIPMSIMC	Count of similar device list entries
88	(58)	ADDRESS	4	UIPMSIMP	Pointer to similar device list entries
92	(5C)	BITSTRING	8	UIPMRPRM	Map of parameters that are required (maps the parameters in the same way as they are mapped in the IODEVICE internal text record field IODVPRMS)
100	(64)	BITSTRING	8	UIPMOPRM	Map of parameters that are optional for this device (maps the parameters in the same way as they are mapped in the internal text record field IODVPRMS)
108	(6C)	BITSTRING	8	UIPMSFEA	Map of features that are supported for this unit and model (bits map into features listed in UDTFEATL in associated UDT - valid only if IODVFFEA flag within UIPOPARM is set)

CBDZUIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
116	(74)	BITSTRING	8	UIPMDFEA	Map of features that are default for this unit and model (bits map into features listed in UDTFEATL in associated UDT - valid only if IODVFFEA flag within UIPOPARM is set)
124	(7C)	BITSTRING	8	UIPMCFEA	Map of features that are recognized for migration compatibility (bits map into features listed in UDTCOMPL in associated UDT - valid only if IODVFFEA flag within UIPOPARM is set)
132	(84)	BITSTRING	8		Reserved
140	(8C)	ADDRESS	1	UIPMDFLG	Default Flag byte
		1... ..		UIPMFOFF	"X'80" .. OFFLINE=YES is default
		.1.. ..		UIPMFGEN	"X'40" .. UIM determines which generic name is taken after feature check (only for tapes)
		..1.		UIPMFDMD	"X'20" .. MODEL= is default (value is taken from MODL)
141	(8D)	ADDRESS	1	UIPMFLG2	Flag byte 2
		1... ..		UIPMFDYC	"X'80" .. device supports dynamic configuration
		.1..		UIPMFDVN	"X'40" .. device supports device number > 4095
		..1.		UIPMFDSE	"X'20" .. device allows statistics table entry to reside in 31 bit storage
		...1		UIPMFDCX	"X'10" .. device allows device class extension to reside in 31 bit storage
		.... 1..		UIPMFUCB	"X'08" .. device allows UCB related control blocks to reside in 31 bit storage
142	(8E)	BITSTRING	2		Reserved
144	(90)	CHARACTER	4	UIPMATT (0)	Attachment information
144	(90)	BITSTRING	1	UIPMNIPC	NIPCON device type code
145	(91)	BITSTRING	3		Reserved
148	(94)	SIGNED	4	UIPMDLFC	Count of parameter default list entries
152	(98)	ADDRESS	4	UIPMDLFP	Pointer to parameter default list entries
156	(9C)	SIGNED	4	UIPMSELC	Count of parameter selection list entries
160	(A0)	ADDRESS	4	UIPMSELP	Pointer to parameter selection list entries
164	(A4)	BITSTRING	36		Reserved
200	(C8)	CHARACTER	8	UIPMDDTN	Entry point name of the Device Descriptor Table (DDT)
208	(D0)	ADDRESS	4	UIPMMLTP	Address of list of MLT names
212	(D4)	SIGNED	4	UIPMMLTC (0)	Count of MLT names in list
212	(D4)	SIGNED	4	UIPMMLTL	Count of MLT names in list
212	(D4)	X'90'	0	UIPMLN1	""-UIPMVSS" Length of MVS section
212	(D4)	X'D8'	0	UIPGELN1	""-UIP" Length of whole UIP

Comment

The following array maps the similar device list. If a similar devices exist, you must code SIM=n on the macro statement where 'n' is the number of devices in the list.

End of Comment

216	(D8)	SIGNED	4	UIPSIMIL (0)	Similar device list entries
216	(D8)	BITSTRING	16	(0)	Device type/model and reserved
216	(D8)	X'0'	0	UIPSIMLN	""-UIPSIMIL" Length of similar device list

Comment

The following array defines the parameter defaults. If defaults exist for parameters, you must code DFLT=n on the macro statement where 'n' is the number of parameters for which defaults exist.

End of Comment

216	(D8)	SIGNED	4	UIPPDFLT (0)	Default parameter list entries
216	(D8)	BITSTRING	8	(0)	
216	(D8)	X'0'	0	UIPPDFLN	""-UIPPDFLT" Length of parameter defaults

Comment

The following array defines the parameter selection lists. If one or more selection lists exist you must code SEL=n on the macro statement, where 'n' is the number of parameters for which selection(s) are available.

End of Comment

216	(D8)	SIGNED	4	UIPPSEL (0)	Parameter selection list entries
216	(D8)	BITSTRING	12	(0)	
216	(D8)	X'0'	0	UIPPSELN	""-UIPPSEL" Length of parameter selection list entries

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The following maps the list of MLT names. If n greater than one MLT lists are required, you must code MLTS=n on the macro statement.</p>					
End of Comment					
216	(D8)	CHARACTER	12	UIPMLTNL	List of MLT names
216	(D8)	X'C'	0	UIPMLTTL	""-UIPMLTNL" .. Total length of MLT array.
216	(D8)	CHARACTER	8	UIPMLTNM	Module name of the Module Lists Table (MLT)
224	(E0)	BITSTRING	1	UIPMLTFL	Flags
		1... ..		UIPMLTOP	"X'80" .. MLT contains module names associated with a product that provides optional support for this device
225	(E1)	CHARACTER	3		Reserved, must be zero
225	(E1)	X'C'	0	UIPMLTLN	""-UIPMLTNM" .. Length of one entry
Comment					
<p>The following constant is used to place an identifier into the UIP.</p>					
End of Comment					
228	(E4)	CHARACTER	4	UIPIDNM	Constant for storage descriptor

CBDZUIP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UIP	0		UIPGPR	38	0
UIPGATT	30		UIPGPRT	19	7
UIPGCARD	19	8	UIPGRFLG	2A	0
UIPGCLUS	19	3	UIPGTAPE	19	2
UIPGCOMM	19	4	UIPGTPRT	19	A
UIPGDASD	19	1	UIPGTYP	A	
UIPGDDRF	20		UIPGUNIT	C	40404040
UIPGDESI	18		UIPGUNMD	C	
UIPGDFLG	2C		UIPGUSER	1C	
UIPGDFLT	20		UIPGVER	4	
UIPGDHRF	24		UIPGVER1	4	1
UIPGDISP	19	9	UIPIDNM	E4	E4C9D740
UIPGDLRF	22		UIPMATT	90	
UIPGDNC	26		UIPMCFEA	7C	0
UIPGDNI	28		UIPMDDTN	C8	
UIPGELEN	6		UIPMDFEA	74	0
UIPGELN1	D4	D8	UIPMDFLG	8C	
UIPGEN	A	FF	UIPMDLFC	94	0
UIPGENS	8		UIPMDLFP	98	
UIPGFALI	2A	8	UIPMFDCX	8D	10
UIPGFBAS	2A	10	UIPMFDMD	8C	20
UIPGFDMD	2C	1	UIPMFDSE	8D	20
UIPGFGRP	2A	40	UIPMFDVN	8D	40
UIPGFIGN	2B	80	UIPMFDYC	8D	80
UIPGFINT	38	80	UIPMFGEN	8C	40
UIPGFLG2	2D		UIPMFLG2	8D	
UIPGFMEX	2A	80	UIPMFOFF	8C	80
UIPGFPAV	2A	20	UIPMFUCB	8D	8
UIPGFSCH	2D	1	UIPMGNM	4C	40404040
UIPGFSDY	2D	4	UIPMLN	48	
UIPGFSPC	2D	2	UIPMLN1	D4	90
UIPGFSTA	2C	40	UIPMLTFL	E0	
UIPGFTOU	2C	80	UIPMLTLN	E1	C
UIPGGRP	19		UIPMLTNL	D8	
UIPGGRP	19	6	UIPMLTNM	D8	
UIPGHDS	0		UIPMLTOP	E0	80
UIPGID	0	E4C9D740	UIPMLTTL	D8	C
UIPGLEN	8		UIPMLTLC	D4	
UIPGLN1	39	40	UIPMLTL	D4	
UIPGMICR	19	5	UIPMLTLP	D0	
UIPGMNCU	30		UIPMNIPC	90	0
UIPGMODL	14	0	UIPMOPRM	64	0
UIPGOTHR	19	FF	UIPMRPRM	5C	0
UIPGPFLG	2B	0	UIPMSELC	9C	0

CBDZUIP Cross Reference

Name	Hex Offset	Hex Value
UIPMSELP	A0	
UIPMSFEA	6C	0
UIPMSIMC	54	0
UIPMSIMP	58	
UIPMTYP	4A	
UIPMVS	4A	0
UIPMVSS	48	
UIPPDFLN	D8	0
UIPPDFLT	D8	
UIPPSEL	D8	
UIPPSELN	D8	0
UIPSIMIL	D8	
UIPSIMLN	D8	0

CBLS Information

CBLS Heading Information

Common Name: Supervisor Control Block Length Table
Macro ID: IHACBLS
DSECT Name: CBLS
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: CBLS
 Offset: 0
 Length: 4
Storage Attributes: Residency: Nucleus Resident (Read only Section)
Size: OFFSET OF CBLEND MINUS THE OFFSET OF CBLS
Created by: IEAVCBLS
Pointed to by: SVTCBLS
 ECVTCBLS
Serialization: None.
Function: Contains the lengths and level numbers of various control blocks.

CBLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	208	CBLS	
0	(0)	CHARACTER	4	CBLS CBLS	CBLS ACRONYM
4	(4)	CHARACTER	2	CBLR004	RESERVED
6	(6)	SIGNED	2	CBLCBLSL	Length of the CBLS
8	(8)	SIGNED	2	CBLASCB	LENGTH OF THE ASCB
10	(A)	SIGNED	2	CBLASCBL	ASCB LEVEL NUMBER
12	(C)	SIGNED	2	CBLT CB	TOTAL LENGTH OF THE TCB (PREFIX + MAIN + EXTENSION)
14	(E)	SIGNED	2	CBLT CBP	LENGTH OF THE TCB PREFIX
16	(10)	SIGNED	2	CBLT CBM	LENGTH OF MAIN SECTION OF THE TCB
18	(12)	SIGNED	2	CBLT CBL	TCB LEVEL NUMBER
20	(14)	SIGNED	2	CBLIHSA	LENGTH OF THE IHSA
22	(16)	SIGNED	2	CBLIHSAL	IHSA LEVEL NUMBER
24	(18)	SIGNED	2	CBLWPRB	LENGTH OF THE WPRB
26	(1A)	SIGNED	2	CBLWPRBL	WPRB LEVEL NUMBER
28	(1C)	SIGNED	2	CBLSXB	LENGTH OF THE XSB
30	(1E)	SIGNED	2	CBLSXBL	XSB LEVEL NUMBER
32	(20)	SIGNED	2	CBLS TKH	LENGTH OF THE STACK HEADER
34	(22)	SIGNED	2	CBLS TKHL	STKH LEVEL NUMBER
36	(24)	SIGNED	2	CBLASXB	LENGTH OF THE ASXB
38	(26)	SIGNED	2	CBLASXBL	ASXB LEVEL NUMBER
40	(28)	SIGNED	2	CBLS TCB	LENGTH OF THE STCB
42	(2A)	SIGNED	2	CBLS T CBL	STCB LEVEL NUMBER
44	(2C)	SIGNED	2	CBLESSA	Length of ESSA
46	(2E)	SIGNED	2	CBLR02E	RESERVED, WAS CBLVSSAL
48	(30)	SIGNED	2	CBLASSB	LENGTH OF THE ASSB
50	(32)	SIGNED	2	CBLASSBL	ASSB LEVEL NUMBER
52	(34)	SIGNED	2	CBLNSSA	LENGTH OF THE NSSA
54	(36)	SIGNED	2	CBLNSSAL	NSSA LEVEL NUMBER
56	(38)	SIGNED	2	CBLSXSB	LENGTH OF THE SXSB
58	(3A)	SIGNED	2	CBLSXSBL	SXSB LEVEL NUMBER
60	(3C)	SIGNED	2	CBLWEB	LENGTH OF THE WEB
62	(3E)	SIGNED	2	CBLWEBL	WEB LEVEL NUMBER
64	(40)	SIGNED	2	CBLWEE	LENGTH OF THE WEE
66	(42)	SIGNED	2	CBLWEEL	WEE LEVEL NUMBER
68	(44)	SIGNED	2	CBLNSQA	LENGTH OF THE NSQA
70	(46)	SIGNED	2	CBLNSQAL	NSQA LEVEL NUMBER
72	(48)	CHARACTER	4	CBLR048	RESERVED
76	(4C)	CHARACTER	2	CBLR04C	RESERVED
78	(4E)	SIGNED	2	CBLSAL	Length of PSA being used (this is 4K for non-ESAME, 8K for ESAME)
80	(50)	SIGNED	2	CBLSLEN	Length(SDWA)
82	(52)	SIGNED	2	CBLSPTRS	Length(SDWAPTRS)
84	(54)	SIGNED	2	CBLSRC1	Length(SDWARC1)
86	(56)	SIGNED	2	CBLSRC2	Length(SDWARC2)
88	(58)	SIGNED	2	CBLSRC3	Length(SDWARC3)
90	(5A)	SIGNED	2	CBLSRC4	Length(SDWARC4)
92	(5C)	SIGNED	2	CBLSNRC1	Length(SDWANRC1)
94	(5E)	SIGNED	2	CBLSNRC2	Length(SDWANRC2)
96	(60)	SIGNED	2	CBLSNRC3	Length(SDWANRC3)
98	(62)	SIGNED	2	CBLSRLNS	Length(all recordable)

CBLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
100	(64)	SIGNED	2	CBLSNLNS	Length(all non-recordable)
102	(66)	SIGNED	2	CBLTMLNP	SDWA with only recordable but no "PTRS"
104	(68)	SIGNED	2	CBLSMLEN	SDWA with only recordable
106	(6A)	SIGNED	2	CBLSTLEN	SDWA with all extensions
108	(6C)	SIGNED	2	CBLSOLEN	SDWA with all extensions except ESAME (this is for RTM2 below-16M SDWA)
110	(6E)	SIGNED	2	CBLFWALN	FRR workarea length
112	(70)	SIGNED	2	CBLLCCAL	LCCA
114	(72)	SIGNED	2	CBLPCCAL	PCCA
116	(74)	SIGNED	2	CBLALEL	ALE
118	(76)	SIGNED	2	CBLDUCTL	DUCT
120	(78)	SIGNED	2	CBLLCCXL	LCCX
122	(7A)	SIGNED	2	CBLR07A	Reserved - Was PCCAVT length
124	(7C)	SIGNED	2	CBLRTMC	RTMC within IHART1W
126	(7E)	SIGNED	2	CBLSCWA	SCWA
128	(80)	SIGNED	2	CBLSCWA1	SCWA1
130	(82)	SIGNED	2	CBLSCWA2	SCWA2
132	(84)	SIGNED	2	CBLLAA	Length of LAA
134	(86)	SIGNED	2	CBLSTLAA	Length of LAA+STCB
136	(88)	SIGNED	2	CBLSCWA3	SCWA3
138	(8A)	SIGNED	2	CBLSLCCC	LCCC Length
140	(8C)	SIGNED	2	CBLWUQ	Length of WUQ
142	(8E)	SIGNED	2	CBLRTM2BELOW	Length of RTM2's storage below the 16M line
144	(90)	SIGNED	2	CBLRTM2SHORTABOVE	Length of RTM2's storage above the 16M line when USAVE is not included
146	(92)	SIGNED	2	CBLRTM2ABOVE	Length of RTM2's storage above the 16M line
148	(94)	SIGNED	2	CBLSLCEB	LCEB Length
150	(96)	SIGNED	2	CBLSLOCKINST_COMM	Lock instrumentation common block length
152	(98)	SIGNED	2	CBLSLOCKINST_UNIQ_CML	Lock instrumentation unique CML block length
154	(9A)	SIGNED	2	CBLSLOCKINST_AREA	Lock instrumentation area length
156	(9C)	SIGNED	2	CBLECCC	ECCC length
158	(9E)	SIGNED	2	CBLSPERFINST_BB	PerInst_BB length
160	(A0)	SIGNED	2	CBLSLCCC_SIGP_BLOCK	LCCC_SIGP_Block length
162	(A2)	SIGNED	2	CBLSLCCC_SIGP_COUNTERS	LCCC_SIGP_Counters length
164	(A4)	SIGNED	2	CBLSLCCC_OTHER_COUNTERS	LCCC_Other_Counters length
166	(A6)	SIGNED	2	CBLAWUQ	AWUQ_Header length (does not include the size of the system and affinity nodes)
168	(A8)	SIGNED	2	CBLAWUQ_NODE	AWUQ_Node length
170	(AA)	SIGNED	2	CBLR0AA	Reserved
172	(AC)	SIGNED	2	CBLAWUQ_NUMSYSNODES	Number of system nodes
174	(AE)	SIGNED	2	CBLSRC5	Length(SDWARC5)
176	(B0)	SIGNED	2	CBLCPUD	Length of CPUD (does not include CPUX)
178	(B2)	SIGNED	2	CBLCPUX	Length of CPUX (does not include CPUD)
180	(B4)	SIGNED	2	CBLTOBPE	Length of 1 TOBPE entry
182	(B6)	SIGNED	2	CBLPINE	IBM use only
184	(B8)	SIGNED	2	CBLSLCCC_TX_COUNTERS	LCCC_TX_Counters length
186	(BA)	SIGNED	2	CBLJAFBASC	Length of the ASCB accounting block
188	(BC)	SIGNED	2	CBLJAFBENCB	Length of the ENCB accounting block
190	(BE)	SIGNED	2	CBLJAFBASCNUMFIELDS	Number of fields in the ASCB accounting block
192	(C0)	SIGNED	2	CBLJAFBENCBNUMFIELDS	Number of fields in the ENCB accounting block
194	(C2)	CHARACTER	14	CBLR0C2	Reserved
208	(D0)	CHARACTER	0	CBLEND	END OF CBLS

CBLS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CBLALEL	74		CBLSMLEN	68	
CBLASCB	8		CBLSMLNP	66	
CBLASCBL	A		CBLSNLNS	64	
CBLASSB	30		CBLSNRC1	5C	
CBLASSBL	32		CBLSNRC2	5E	
CBLASXB	24		CBLSNRC3	60	
CBLASXBL	26		CBLSOLEN	6C	
CBLAWUQ	A6		CBLSPERFINST_BB		
CBLAWUQ_NODE	A8			9E	
CBLAWUQ_NUMSYSNODES			CBLSPTRS	52	
	AC		CBLSRC1	54	
CBLCBLSL	6		CBLSRC2	56	
CBLCPUD	B0		CBLSRC3	58	
CBLCPUX	B2		CBLSRC4	5A	
CBLDUCTL	76		CBLSRC5	AE	
CBLECCC	9C		CBLSRLNS	62	
CBLEND	D0		CBLSTCB	28	
CBLESSA	2C		CBLSTCBL	2A	
CBLFWALN	6E		CBLSTKH	20	
CBLIHSA	14		CBLSTKHL	22	
CBLIHSA	16		CBLSTLAA	86	
CBLJAFBASC	BA		CBLSTLEN	6A	
CBLJAFBASCNUMFIELDS			CBLSXSB	38	
	BE		CBLSXSBL	3A	
CBLJAFBENCB	BC		CBLTCB	C	
CBLJAFBENCBNUMFIELDS			CBLTCBL	12	
	C0		CBLTCBM	10	
CBLCAA	84		CBLTCBP	E	
CBLCCAL	70		CBLTOBPE	B4	
CBLCCXL	78		CBLWEB	3C	
CBLNSQA	44		CBLWEBL	3E	
CBLNSQAL	46		CBLWEE	40	
CBLNSSA	34		CBLWEEL	42	
CBLNSSAL	36		CBLWPRB	18	
CBLPCCAL	72		CBLWPRBL	1A	
CBLPINE	B6		CBLWUQ	8C	
CBLPSAL	4E		CBLSXB	1C	
CBLRTMC	7C		CBLSXBL	1E	
CBLRTM2ABOVE	92				
CBLRTM2BELOW	8E				
CBLRTM2SHORTABOVE					
	90				
CBLR0AA	AA				
CBLR0C2	C2				
CBLR004	4				
CBLR02E	2E				
CBLR04C	4C				
CBLR048	48				
CBLR07A	7A				
CBLS	0				
CBLSCBLS	0				
CBLSWA	7E				
CBLSWA1	80				
CBLSWA2	82				
CBLSWA3	88				
CBLSLCCC	8A				
CBLSLCCC_OTHER_COUNTERS					
	A4				
CBLSLCCC_SIGP_BLOCK					
	A0				
CBLSLCCC_SIGP_COUNTERS					
	A2				
CBLSLCCC_TX_COUNTERS					
	B8				
CBLSLCEB	94				
CBLSLEN	50				
CBLSLOCKINST_AREA					
	9A				
CBLSLOCKINST_COMM					
	96				
CBLSLOCKINST_UNIQ_CML					
	98				

CDE Information

CDE Programming Interface information

Programming Interface information

CDE

End of Programming Interface information

CDE Heading Information • CDE Map

CDE Heading Information

Common Name: Contents Directory Entry
Macro ID: IHACDE
DSECT Name: CDE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: none
Storage Attributes: Subpool: 255
 Key: 0
Size: 32 bytes
Created by: CSVGETMD
Pointed to by: RBCDE1
Serialization: Local Lock.
Function: The CDE contains information about the location, size and other attributes of a particular module currently in use. The Link Pack Directory Entry (LPDE) and the Contents Directory Entry (CDE) map identically except for the last eight bytes of the LPDE. The last eight bytes of a MAJOR LPDE contain extent information. The corresponding area in a MINOR LPDE contains the MAJOR NAME. The CDE lacks the last eight bytes. A MAJOR CDE points to an EXTENT LIST (XTLST). A MINOR CDE points to the CDE for the MAJOR NAME. Fields which are only meaningful in a CDE are set to zero in an LPDE. The CDELPDE bit can be used to differentiate between a CDE and an LPDE.

CDE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CENTRY	
0	(0)	SIGNED	4	CDCHAIN	- Address of next CDE in queue (either JPAQ or LPAQ)
4	(4)	SIGNED	4	CRRBP	- If the module is REENTERABLE, this field contains the address of the last RB that controlled the module. If the module is SERIALLY REUSABLE, this field contains the address of the RB at the top of the WAITING (RBPQM) QUEUE. If the module was requested ONLY through LOAD macro instructions, CONTAINS ZERO.
8	(8)	CHARACTER	8	CDNAME	- 8-byte name
16	(10)	SIGNED	4	CDENTPT	- Module's relocated Entry Point address
		1... ..		CDEMODE	"X'80" Routine runs in 31 bit mode
16	(10)	BITSTRING	3		Bytes 0-2 of CDENTPT
19	(13)	BITSTRING	1	CDENTPT3	Byte 3 of CDENTPT
		.... ..1		CDEM064	"X'01" Routine runs in 64 bit mode
20	(14)	SIGNED	4	CDXLMJP	- Extent list address or Major CDE address If this CDE is a MINOR
24	(18)	SIGNED	2	CDUSE	- Value contains the total module use count
26	(1A)	BITSTRING	1	CDATTRB	- Flag byte
		1... ..		CDEOM	"X'80" - ON=Delete module at memory termination
		.1.		CDIDENTY	"X'40" - ON = CDE built by IDENTIFY @02C
		.1.		CDRACDTY	"X'20" - ON = MODULE WAS LOADED BY 'DIRTY' TASK
		...1		CDCDEX	"X'10" - ON = CDE extension exists
		.... 1..		CDELPDE	"X'08" - OFF=CDE, ON=LPDE (Used to distinguish a CDE from an LPDE)
		.... .1..		CDGLOBAL	"X'04" - ON = Module LOADED to GLOBAL
		.... ..1.		CDCONTMN	"X'02" - ON = Module is contaminated. A module is considered contaminated if it is from an APF authorized library, but was fetched into subpool 251 (it is not reentrant) by a NON authorized caller. @ZA84179
		.... ...1		CDRACF	"X'01" - Used by external security manager. (For RACF: The user has EXECUTE authority rather than READ authority to the module.) @YA22541
27	(1B)	BITSTRING	1	CDSP	Module SUBPOOL ID
28	(1C)	BITSTRING	1	CDATTR	- Attribute flags
		1... ..		CDNIP	"X'80" - Module loaded by NIP or FLPA/MLPA or dynamic LPA
		.1.		CDNIC	"X'40" - Module is in process of being loaded
		.1.		CDREN	"X'20" - Module is REENTERABLE
		...1		CDSER	"X'10" - Module is SERIALLY REUSABLE
		.... 1..		CDNFN	"X'08" - Module is NOT REUSABLE (NON-FUNCTIONAL)
		.... .1..		CDMIN	"X'04" - This is a MINOR CDE
		.... ..1.		CDJPA	"X'02" - Module is in JOB PACK AREA
		.... ...1		CDNLR	"X'01" - Module is NOT LOADABLE-ONLY
29	(1D)	BITSTRING	1	CDATTR2	- Second attribute field
		1... ..		CDSPZ	"X'80" - Module is in SUBPOOL ZERO
		.1.		CDREL	"X'40" - Module is INACTIVE and MAY BE RELEASED
		..1.		CDXLE	"X'20" - EXTENT LIST has been built for module. Main storage occupied by module is described therein.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		CDRLC	"X'10" - This CDE contains a MINOR ENTRY POINT ADDRESS that has been relocated by the PROGRAM FETCH routine.
		.... 1...		CDEANYM	"X'08" Routine runs in ANY mode
		.... .1..		CDOLY	"X'04" - Module is in OVERLAY format A27026
		.... ..1.		CDSYSLIB	"X'02" - AUTHORIZED LIBRARY module
		.... ...1		CDAUTH	"X'01" - PROGRAM AUTHORIZATION FLAG ICB360
30	(1E)	BITSTRING	1	CDATTR3	- 3rd attribute field
		1...		CDPATHN	"X'80" - ON = The module represented by this CDE has an associated OpenMVS path name. The CDNAME field contains an EBCDIC value that contents supervision hashes to locate the CDE extension which contains the path name.
		.1..		CDPML	"X'40" - OFF = PML was not complete when module was loaded ON = PML was up when the module was loaded Used by the CSV delete process to determine which DFP interface CSV should use to delete the module(s).
		..1.		CDESPLIT	"X'20" - Split RMODE program object
		...1		CDSYSHLB	"X'10" - HFS System Shared Library Module
		.... 1...		CDELPOK	"X'08" - LongParms OK (was CDERTLS)
		.... .1..		CDEDYLPA	"X'04" - Dynamic LPA. Only on for CDE on active LPA queue
		.... ..1.		CDEPROTP	"X'02" - Only whole pages are page-protected, as opposed to the entire module. Or module added by CSVDYLPA BYADDR=YES so page protection state not known. Only on for CDE on active LPA queue or a refreshable module when REFRPROT was in effect
31	(1F)	BITSTRING	1	CDATTR4	- RESERVED

CDE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CDATTR	1C		CDXLE	1D	20
CDATTRB	1A		CDXLMJP	14	
CDATTR2	1D				
CDATTR3	1E				
CDATTR4	1F				
CDAUTH	1D	1			
CDCDEX	1A	10			
CDCHAIN	0				
CDCONTMN	1A	2			
CDEANYM	1D	8			
CDEDYLPA	1E	4			
CDELPDE	1A	8			
CDELPOK	1E	8			
CDEMODE	10	80			
CDEMOD64	13	1			
CDENTPT	10				
CDENTPT3	13				
CDENTRY	0				
CDEOM	1A	80			
CDEPROTP	1E	2			
CDESPLIT	1E	20			
CDGLOBAL	1A	4			
CDIDENTY	1A	40			
CDJPA	1C	2			
CDMIN	1C	4			
CDNAME	8				
CDNFN	1C	8			
CDNIC	1C	40			
CDNIP	1C	80			
CDNLR	1C	1			
CDOLY	1D	4			
CDPATHN	1E	80			
CDPML	1E	40			
CDRACDTY	1A	20			
CDRACF	1A	1			
CDREL	1D	40			
CDREN	1C	20			
CDRLC	1D	10			
CDRRBP	4				
CDSER	1C	10			
CDSP	1B				
CDSMZ	1D	80			
CDSYSHLB	1E	10			
CDSYSLIB	1D	2			
CDUSE	18				

CIB Information

CIB Programming Interface information

Programming Interface information

CIB

End of Programming Interface information

CIB Heading Information • CIB Map

CIB Heading Information

Common Name: COMMAND INPUT BUFFER MAPPING MACRO
Macro ID: IEZCIB
DSECT Name: CIBNAME, CIBX
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: NONE.
Storage Attributes: Main Storage: YES
 Virtual Storage: NO
 Auxiliary Storage: NO
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: BELOW 16M
Size: VARIABLE LENGTH BUT AT LEAST 16 BYTES
 CIBNAME -- X'0018' bytes
 CIBX -- X'0030' bytes
Created by: IEEVSTAR, IEE0703D, IEEVMNT1
Pointed to by: COMCIBPT FIELD OF THE COM DATA AREA
 CHCIBP FIELD OF THE CSCB DATA AREA
Serialization: ENQ ON MAJOR SYSIEFSD MINOR Q10
Function: BUFFER FOR START, STOP, MODIFY AND MOUNT
 COMMANDS FROM CONSOLE OR TSO TERMINALS.

CIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	(0)	- CIBPTR
0	(0)	ADDRESS	4	CIBNEXT	- ADDRESS OF NEXT CIB IN QUEUE (ZERO FOR LAST)
4	(4)	CHARACTER	1	CIBVERB	- COMMAND VERB CODE
		.... .1..		CIBSTART	"X'04" - COMMAND CODE FOR START
		.... 1...		CIBSTCOM	"X'08" - COMMAND CODE FOR STC COMMUNICATION
		.1.. .1..		CIBMODFY	"X'44" - COMMAND CODE FOR MODIFY
		.1..		CIBSTOP	"X'40" - COMMAND CODE FOR STOP
		.... 11..		CIBMOUNT	"X'0C" - COMMAND CODE FOR MOUNT
5	(5)	SIGNED	1	CIBLEN	- LENGTH IN DOUBLEWORDS OF CIB INCLUDING CIBDATA
6	(6)	SIGNED	2	CIBXOFF	- OFFSET TO CIB EXTENSION
8	(8)	BITSTRING	2		- RESERVED FOR CSCB COMPATIBILITY
10	(A)	SIGNED	2	CIBASID (0)	- ADDRESS SPACE ID (OS/VS2) MDC001
10	(A)	CHARACTER	2	CIBTJID	- TSO TERMINAL JOB IDENTIFIER (OS/VS1) MDC001
12	(C)	CHARACTER	1	CIBRSV01	Reserved - was CIBCONID
13	(D)	ADDRESS	1	CIBRSV1	- VERSION LEVEL
13	(D)	X'1'	0	CIBS313	"1" VERSION LEVEL FOR MVS SP3.1.3
13	(D)	X'2'	0	CIBS410	"2" VERSION LEVEL FOR MVS SP41.0
13	(D)	X'3'	0	CIB15497	"3" VERSION LEVEL WITH OW15497 INSTALLED
13	(D)	X'3'	0	CIBVRSN	"CIB15497" VERSION LEVEL
14	(E)	SIGNED	2	CIBDATLN	- LENGTH IN BYTES OF DATA IN CIBDATA
16	(10)	CHARACTER	8	CIBDATA	- DATA FROM COMMAND OPERAND

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CIBX	- CIB EXTENSION
0	(0)	SIGNED	4	CIBXUTOK	- POINTER TO UTOKEN
4	(4)	CHARACTER	2	CIBXAUTH (0)	- COMMAND AUTHORITY CODE
4	(4)	BITSTRING	1	CIBXAUTA	BYTE ONE
		1...		CIBXAUT1	"X'80" COMMAND HAS SYS AUTHORITY
		.1..		CIBXAUT2	"X'40" COMMAND HAS I/O AUTHORITY
		.1..		CIBXAUT3	"X'20" COMMAND HAS CONS AUTHORITY

Comment

X'1F' RESERVED

End of Comment

5	(5)	BITSTRING	1	CIBXAUTB	BYTE TWO, RESERVED
6	(6)	CHARACTER	1	CIBXDISP	- AUTHORITY OF COMMAND
		1...		CIBXDISA	"X'80" COMMAND HAS MASTER AUTHORITY (IT IS SUGGESTED THAT CIBXDISM BE USED INSTEAD)
		.1..		CIBXDISM	"X'40" COMMAND HAS MASTER AUTHORITY
		.1..		CIBXDISC	"X'20" COMMAND ISSUED FROM AN MCS CONSOLE
		.1..		CIBXDISR	"X'10" COMMAND ISSUED BEFORE RACF ACTIVE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		CIBXDISE	"X'08" COMMAND WAS ISSUED BY ARM
Comment					
X'07' RESERVED					
End of Comment					
7	(7)	BITSTRING 1... ..	1	CIBXFLG	Flag byte
				CIBXTJY	"X'80" CIBASID contains a tjid
8	(8)	CHARACTER	8	CIBXCNNM	- CONSOLE NAME
16	(10)	CHARACTER	8	CIBXCART	- COMMAND & RESPONSE TOKEN
24	(18)	SIGNED	4	CIBXCNID	- CONSOLE ID
28	(1C)	SIGNED	4	CIBXPTRC	RESERVED FOR IBM USE
32	(20)	SIGNED	4	CIBXOCID	ORIGINATING CONSOLE ID (USED FOR AUTHORITY CHECKING)
36	(24)	CHARACTER	12	CIBXRSVD	RESERVED
36	(24)	X'30'	0	CIBXEND	*** - END OF THE CIB EXTENSION
36	(24)	X'30'	0	CIBXLEN	"CIBXEND-CIBX" LENGTH OF THE CIB EXTENSION

CIB Cross Reference

Name	Hex Offset	Hex Value
CIBASID	A	
CIBDATA	10	
CIBDATLN	E	
CIBLEN	5	
CIBMODFY	4	44
CIBMOUNT	4	C
CIBNEXT	0	
CIBRSV01	C	
CIBRSV1	D	
CIBSTART	4	4
CIBSTCOM	4	8
CIBSTOP	4	40
CIBS313	D	1
CIBS410	D	2
CIBTJID	A	
CIBVERB	4	
CIBVRSN	D	3
CIBX	0	
CIBXAUTA	4	
CIBXAUTB	5	
CIBXAUTH	4	
CIBXAUT1	4	80
CIBXAUT2	4	40
CIBXAUT3	4	20
CIBXCART	10	
CIBXCNID	18	
CIBXCNNM	8	
CIBXDISA	6	80
CIBXDISC	6	20
CIBXDISE	6	8
CIBXDISM	6	40
CIBXDISP	6	
CIBXDISR	6	10
CIBXEND	24	30
CIBXFLG	7	
CIBXLEN	24	30
CIBXOCID	20	
CIBXOFF	6	
CIBXPTRC	1C	
CIBXRSVD	24	
CIBXTJY	7	80
CIBXUTOK	0	
CIB15497	D	3

CISP Information

CISP Heading Information

Common Name: Console Inactive Signal Parameter List
Macro ID: IEEZB832
DSECT Name: CISP
Owning Component: System command - SVC 34 (SC1B8)
Eye-Catcher ID: CISP
 Offset: 0
 Length: 4
Storage Attributes: Residency: Caller's storage
Size: 40 bytes
Created by: IEAVG712 - MCSOPER Macro Processor
Pointed to by: IEAVG712 passes the address of this parameter list as part of the overall parameter list to the ENF service.
Serialization: None
Function: This is passed as the user's parameter list by MCSOPER processing to ENF when a signal is issued to say the extended MCS operator has become inactive.

CISP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	CISP	Console Inactive Signal Parameter List
0	(0)	CHARACTER	4	CISPACRN	Acronym - 'CISP'
4	(4)	UNSIGNED	1	CISPVRSN	Version Level
5	(5)	CHARACTER	3	CISPRSV1	Reserved
8	(8)	CHARACTER	8	CISPSYSN	System Name
16	(10)	CHARACTER	8	CISPCNNM	Console Name
24	(18)	UNSIGNED	4	CISPCNID	4-byte Console ID
28	(1C)	CHARACTER	12	CISPRSV2	Reserved

CISP Constants

Len	Type	Value	Name	Description
4	CHARACTER	CISP	CISPACRO	Acronym - 'CISP'
1	DECIMAL		CISPSP41	Version Level - HBB4410
1	DECIMAL		CISPVERS	Version Level - Current

CLTE Information

CLTE Heading Information

Common Name: CURRENT LOCKS HELD TABLE EXTENSION
Macro ID: IHACLTE
DSECT Name: CLTE
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 239 - CPU RELATED WORK SAVE AREA
 Key: 0
 Residency: VIRTUAL: ABOVE 16M LINE.
Size: OFFSET OF CLTEEND MINUS THE OFFSET OF CLTE
Created by: IEAVCLTE (TEMPORARY CLTE)
 IEAVNIP0
 IEEVCPRA
Pointed to by: PSAECLTP
Serialization: COMPARE AND SWAP
Function: PROVIDE DATA MAPPING OF THE CURRENT LOCKS HELD TABLE EXTENSION.

CLTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	128	CLTE	CURRENT LOCKS HELD TABLE EXTENSION.
0	(0)	ADDRESS	4	CLTEBLSD	BMFLSD LOCK.
4	(4)	ADDRESS	4	CLTEXDS	XCFDS LOCK.
8	(8)	ADDRESS	4	CLTEXRES	XCFRES LOCK.
12	(C)	ADDRESS	4	CLTEXQ	XCFQ LOCK.
		1... ..		CLTEXQEX	BIT 0 OF CLTEXQ. IF ON, THE XCFQ LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
16	(10)	ADDRESS	4	CLTEESET	ETRSET LOCK.
20	(14)	ADDRESS	4	CLTEIXSC	IXLSCH LOCK.
24	(18)	ADDRESS	4	CLTEIXSH	IXLSHR LOCK.
		1... ..		CLTEIXEX	BIT 0 OF CLTEIXSH. IF ON, THE IXSH LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
28	(1C)	ADDRESS	4	CLTEIXDS	IXLDS LOCK.
32	(20)	ADDRESS	4	CLTEIXLL	IXLSHELL LOCK.
36	(24)	ADDRESS	4	CLTEULUT	IOSULUT LOCK.
		1... ..		CLTEULEX	BIT 0 OF CLTEULUT. IF ON, THE IOSULUT LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
40	(28)	ADDRESS	4	CLTEIXRE	IXLREQST LOCK.
44	(2C)	ADDRESS	4	CLTEWLMR	WLMRES LOCK
48	(30)	ADDRESS	4	CLTEWLMQ	WLMQ LOCK.
		1... ..		CLTEWLMX	BIT 0 OF CLTEWLMQ. IF ON, THE WLMQ LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
52	(34)	ADDRESS	4	CLTECNTX	CONTEXT LOCK
56	(38)	ADDRESS	4	CLTEREGS	REGSRV LOCK.
		1... ..		CLTEREGX	BIT 0 OF CLTEREGS. IF ON, THE REGSRV LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
60	(3C)	ADDRESS	4	CLTESSD	SSD LOCK
64	(40)	ADDRESS	4	CLTEGRSI	GRSINT lock
		1... ..		CLTEGIEX	Bit 0 of CLTEGRSI. If on, the GRSINT lock is held exclusive.
		.111 1111		*	
68	(44)	ADDRESS	4	CLTESLK1	Address of HCWPSLK1 lock
72	(48)	ADDRESS	4	CLTENLK1	Address of HCWPNLK1 lock
76	(4C)	ADDRESS	4	CLTEOLK1	Address of HCWIOLK1 lock
80	(50)	ADDRESS	4	CLTEXLK1	Address of HCWPXLK1 lock
84	(54)	ADDRESS	4	CLTERLK3	Address of HCWDRLK3 lock
88	(58)	ADDRESS	4	CLTERLK2	Address of HCWDRLK2 lock
92	(5C)	ADDRESS	4	CLTERLK1	Address of HCWDRLK1 lock
96	(60)	ADDRESS	4	CLTESRME	SRMENQ lock
		1... ..		CLTESRMX	Bit 0 of CLTESRME. If on, the SRMENQ lock is held exclusive.
		.111 1111		*	
100	(64)	CHARACTER	28	CLTER064	RESERVED.
128	(80)	CHARACTER	0	CLTEEND	END OF THE CLTE.

CLTE Cross Reference

CLTE Cross Reference

Name	Hex Offset	Hex Value
CLTE	0	
CLTEBLSD	0	
CLTECNTX	34	
CLTEEND	80	
CLTEESET	10	
CLTEGIEX	40	80
CLTEGRSI	40	
CLTEIXDS	1C	
CLTEIXEX	18	80
CLTEIXLL	20	
CLTEIXRE	28	
CLTEIXSC	14	
CLTEIXSH	18	
CLTENLK1	48	
CLTEOLK1	4C	
CLTEREGS	38	
CLTEREGX	38	80
CLTERLK1	5C	
CLTERLK2	58	
CLTERLK3	54	
CLTER064	64	
CLTESLK1	44	
CLTESRME	60	
CLTESRMX	60	80
CLTESSD	3C	
CLTEULEX	24	80
CLTEULUT	24	
CLTEWLMQ	30	
CLTEWLMR	2C	
CLTEWLMX	30	80
CLTEXDS	4	
CLTEXLK1	50	
CLTEXQ	C	
CLTEXQEX	C	80
CLTEXRES	8	

CMB Information

CMB Programming Interface information

Programming Interface information

CMB

End of Programming Interface information

CMB Heading Information • CMB Cross Reference

CMB Heading Information

Common Name: CHANNEL MEASUREMENT BLOCK
Macro ID: IRACMB
DSECT Name: IRACMB
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: CMB
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: ECSA
 Residency: ABOVE 16M LINE
Size: IRACMB -- X'0040' bytes
Created by: IEAVNP1F
 @PZJ0030
Pointed to by: THE ADDRESS OF THE CMB IS CONTAINED
 IN THE -CMCTCMBV- FIELD OF THE CHANNEL MEASUREMENT
 CONTROL TABLE. THE INDEX OF A PARTICULAR ENTRY IS
 IS FOUND IN THE -UCBMBI- FIELD OF THAT DEVICE'S UCB.
Serialization: NONE
Function: THE CMB CONSISTS OF CONTIGUOUS REAL
 STORAGE CONTAINING INFORMATION STORED DIRECTLY BY THE
 CHANNEL. IT INCLUDES ENTRIES FOR TAPE, DASD, AND
 OPTIONALLY, INSTALLATION SPECIFIED DEVICES.

CMB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IRACMB	
0	(0)	CHARACTER	32	CMBHDR (0)	HEADER MUST SAME LENGTH AS CMB ELEMENTS. SEE NOTE
0	(0)	CHARACTER	4	CMBNAME	ACRONYM 'CMB'
4	(4)	SIGNED	4	CMBSIZE	NO. OF BYTES IN CMB
8	(8)	SIGNED	4	CMBMBID	NUMBER OF CMB ENTRIES RESERVED FOR DYNAMICALLY ADDED DASD
12	(C)	CHARACTER	20		RESERVED
32	(20)	CHARACTER	32	CMBNTRY (0)	ARRAY OF CMB ENTRIES
32	(20)	SIGNED	2	CMBSSCHC	NO. OF SSCH INSTRUCTIONS
34	(22)	SIGNED	2	CMBSAMPC	NO. OF SSCH INSTRUCTIONS FOR WHICH DATA WAS COLLECTED
36	(24)	SIGNED	4	CMBCONNT	SUMMATION OF DEVICE CONNECT TIMES
40	(28)	SIGNED	4	CMBPENDT	SUMMATION OF SSCH REQUEST PENDING TIMES
44	(2C)	SIGNED	4	CMBDISCT	SUMMATION OF SUBCHANNEL DISCONNECT TIMES
48	(30)	SIGNED	4	CMBCUQTA	SUMMATION OF CONTROL UNIT QUEUEING TIMES
52	(34)	SIGNED	4	CMBDAO	Summation of Device-active- only times
56	(38)	SIGNED	4	CMBDBT	Device busy time
60	(3C)	SIGNED	4	CMBICMR	Initial command response time
60	(3C)	X'40'	0	IRACMB_LEN	**-IRACMB"

CMB Cross Reference

Name	Hex Offset	Hex Value
CMBCONNT	24	
CMBCUQTA	30	
CMBDAO	34	
CMBDBT	38	
CMBDISCT	2C	
CMBHDR	0	
CMBICMR	3C	
CMBMBID	8	
CMBNAME	0	
CMBNTRY	20	
CMBPENDT	28	
CMBSAMPC	22	
CMBSIZE	4	
CMBSSCHC	20	
IRACMB	0	
IRACMB_LEN	3C	40

CMCT Information

CMCT Programming Interface information

Programming Interface information

CMCT

ONLY the following fields are part of the programming interface information:

- @OA22918
- @OA22918
- @WA38548
- @WA38548
- @WA38548
- CMCTCMC2
- CMCTCPMB
- CMCTCpmfStateInfo
- CMCTCPMX
- CMCTCPM2
- CMCTCPOK
- CMCTCRCT
- CMCTECMBALET
- CMCTECMBMODE
- CMCTECMBPTR
- CMCTECMF

End of Programming Interface information

CMCT Heading Information • CMCT Map

CMCT Heading Information

Common Name: Channel Measurement Control Table
Macro ID: IRACMCT
DSECT Name: CMCT
Owning Component: SRM (SC1CX)
Eye-Catcher ID: 'CMCT'
 Offset: 00
 Length: 4 bytes
Storage Attributes: Subpool: Extended Nucleus (Module IRARMCNS)
 Key: Key 0
 Residency: Above 16MB
Size: See Assembler Listing
Created by: IEAVNP10
 IEAVNP1F
Pointed to by: RMCTCMCT field of Resource Manager Control Table (RMCT)
Serialization: Updates are serialized by the SRM Lock.
Function: The CMCT contains the information needed to locate the control blocks which are used by the system resource manager for the collection of i/o measurement data. It also contains summary status information related to this function.

CMCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMCT	
0	(0)	CHARACTER	4	CMCTNAME	- ACRONYM 'CMCT'
4	(4)	BITSTRING	1	CMCTVERS	CMCT Version number
4	(4)	X'0'	0	CMCTVER0	"00" Base CMCT
4	(4)	X'1'	0	CMCTVER1	"01" CMCT includes extended measurement mode support
5	(5)	BITSTRING	3	CMCTRSV1	Reserved
8	(8)	ADDRESS	4	CMCTDBVT	- ADDR OF DBVT
12	(C)	ADDRESS	4	CMCTCPMT	- ADDR OF CHANNEL PATH MEASUREMENT TABLE
16	(10)	SIGNED	4	CMCTCMBR	- REAL ADDR OF CMB
20	(14)	ADDRESS	4	CMCTCMBV	- VIRTUAL ADDR OF CMB
24	(18)	ADDRESS	4	CMCTCPWK	- ADDR OF 32 BYTE WORKAREA FOR STCPS INSTRUCTION
28	(1C)	ADDRESS	4	CMCTHICP	- ADDR OF HIGHEST VALID ENTRY IN CPMT
32	(20)	DBL WORD	8	CMCTPERM	- ALLOCATION BLOCK FOR PERM DMB STORAGE
32	(20)	X'20'	0	CMCTPDMB	"CMCTPERM+0" ADDR OF 1ST IN USE PERM DMB
32	(20)	X'24'	0	CMCTPCID	"CMCTPERM+4" CPOOL ID FOR PERM DMBS
40	(28)	SIGNED	4	CMCTRSV2	
44	(2C)	SIGNED	4	CMCTRSEQ	SEQ. NO. OF LAST DROPOFF READ
48	(30)	SIGNED	2	CMCTHMBI	- THE HIGHEST MBI ASSIGNED BY IOS
50	(32)	SIGNED	2	CMCTCMBT	- THE TOTAL NUMBER OF CMB ENTRIES
52	(34)	SIGNED	4	CMCTUPDT	- TIME OF LAST DMB/CPMT UPDATE
56	(38)	SIGNED	4	CMCTSAMI	- TIME INTERVAL BETWEEN CHAN MEAS SAMPLES IN MILLISECONDS
60	(3C)	SIGNED	2	CMCTCTUN	- TUNTS BETWEEN CHAN MEAS SAMPLES
62	(3E)	SIGNED	2	CMCTCTU	- TUNTS REMAINING TO NEXT CHAN MEAS SAMPL
64	(40)	SIGNED	4	CMCTSTRT	- TIME MEASUREMENTS SET TO START PENDING
68	(44)	SIGNED	4	CMCTELST	- ELAPSED TIME SINCE DMB/CPMT UPDATE IN 128 MICRO SECONDS
72	(48)	SIGNED	4	CMCTSYNI	- TIME TO SYNCH CHAN TIMERS IN MILLISECONDS
76	(4C)	SIGNED	4	CMCTSPIP	- ?SPI CALL PARAMETERS ADDRESS
80	(50)	SIGNED	2	CMCTDSIZ	- NO. OF BYTES TO ALLOC IN NEW DMB CPOOL
82	(52)	SIGNED	2	CMCTRSV5	
84	(54)	SIGNED	2	CMCTSAMC	- NO. OF SAMPLES OF UCB QUEUE LENGTHS
86	(56)	SIGNED	2	CMCTMORE	- TOTAL NO. OF ENTRIES REQUIRED IN UPPER PORTION OF CMB
88	(58)	SIGNED	2	CMCTCMBN	- NO. OF ADDITIONAL CMB SLOTS SPECIFIED AS N IN CMB KEYWORD
90	(5A)	BITSTRING	1	CMCTDVCL	DEVICE CLASS REQUEST FLAGS
		1...		CMCTUNTR	"BIT0" - UNIT RECORD DEVICES
		.1..		CMCTCOMM	"BIT1" - COMMUNICATIONS EQUIPMENT
		..1.		CMCTGRPH	"BIT2" - GRAPHICS DEVICES
		...1		CMCTCHRD	"BIT3" - CHARACTER READER DEVICES
91	(5B)	BITSTRING	1	CMCTFLG1	I/O MEASUREMENT CONTROL FLAGS 1
		1...		CMCTDCA	"BIT0" - DCTI MEASUREMENTS ACTIVE
		.1..		CMCTMFA	"BIT1" - CMB DATA COLLECTION ACTIVE
		..1.		CMCTPAA	"BIT2" - CHANNEL PATH STATUS MEASUREMENT ACTIVE
		...1		CMCTMFSP	"BIT3" - CMB DATA COLLECTION START PENDING
		.... 1..		CMCTCPMF	"BIT4" - CPMF INSTALLED INDICATOR
		.... ..1.		CMCTCPDR	"BIT5" - CPMF delayed restart issued
		.... ...1		CMCTECPM	"BIT6" - CPMF extensions installed
		.... ...1		CMCTCPOK	"BIT7" - CPMF OPERATIONAL INDICATOR (ON - CPMF IS AVAILABLE FOR USE)
92	(5C)	BITSTRING	1	CMCTFLG2	I/O MEASUREMENT CONTROL FLAGS 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		CMCTDCOK	"BIT0" - DCTI MEASUREMENTS CONTROL STRUCTURE OK
		.1.		CMCTMFOK	"BIT1" - CMB MEASUREMENT CONTROL STRUCTURE OK
		..1.		CMCTCMOK	"BIT2" - CHANNEL MONITOR FACILITY OK
		...1		CMCTTCOK	"BIT3" - TOD CLOCK FACILITY OK
		.... 1...		CMCTPAOK	"BIT4" - CHANNEL PATH STATUS CONTROL STRUCTURE OK
		.... .1..		CMCTSODK	"BITS" - SAD IS INSTALLED AND OPERATIONAL
		.... ..1.		CMCTSCIP	"BIT6" - ASYNCHRONOUS SPI CALL IN PROGRESS
		.... ...1		CMCTECMF	"BIT7" - Enhanced CPMF available
93	(5D)	BITSTRING	1	CMCTKEY	- STORAGE KEY OF CMB
94	(5E)	BITSTRING	1	CMCTRSV6	- RESERVED
95	(5F)	BITSTRING	1	CMCTRWCT	- CPMF restart wait count
96	(60)	SIGNED	4	CMCTWORK (4)	- WORKAREA FOR ACCUMULATING CMB VALUES
96	(60)	X'60'	0	CMCTSAM4	"CMCTWORK+0" CMB SAMPLE COUNT @WLMPMCS

Comment

CMCTSSCH EQU CMCTWORK+0 CMB SAMPLE COUNT ----- DROPPED
 CMCTSAMP EQU CMCTWORK+2 CMB SSCH COUNT ----- DROPPED

End of Comment

96	(60)	X'64'	0	CMCTCONN	"CMCTWORK+4" CMB CONNECT TIME
96	(60)	X'68'	0	CMCTPEND	"CMCTWORK+8" CMB PENDING TIME
96	(60)	X'6C'	0	CMCTACTV	"CMCTWORK+12" CMB ACTIVE TIME
112	(70)	ADDRESS	4	CMCTCPFL	ADDR STCPS OR CHAN MON FAILURE
116	(74)	ADDRESS	4	CMCTVDEV	ADDR OF ENF VARY DEVICE RTN IN
120	(78)	ADDRESS	4	CMCTUCBC	ADDR OF ENF VARY PATH RTN IN
124	(7C)	ADDRESS	4	CMCTDDR	ADD OF ENF DDR ENTRY IN IRARMCHM
128	(80)	ADDRESS	4	CMCTMDON	ADDR OF ROUTINE SCHEDULED WHEN
132	(84)	ADDRESS	4	CMCTMDXN	ADDR OF ROUTINE SCHEDULED BY
136	(88)	SIGNED	2	CMCTLTA	LONG TERM AVERAGING FACTOR
138	(8A)	SIGNED	2	CMCTLTA1	LONG TERM AVERAGING FACTOR PLUS ONE
140	(8C)	SIGNED	2	CMCTSTME	TIME BETWEEN STCPS SAMPLES
142	(8E)	SIGNED	2	CMCTRSV3	
144	(90)	SIGNED	4	CMCTSWTH	THRESHOLD TO SWITCH FROM SAD TO STCPS
148	(94)	ADDRESS	4	CMCTSWC	REAL SECONDS (SCALED) FOR SWITCH THRES
152	(98)	SIGNED	4	CMCTDTME	TIME OF LAST SAD DATA DROPOFF - INITIALIZED TO LARGE VALUE TO CAUSE INITIAL START UP
156	(9C)	BITSTRING	4	CMCTRSRT	THRESHOLD TO TRY SAD DATA RESTART (IN SRM TIMER UNITS)
160	(A0)	ADDRESS	4	CMCTSADB	ADDR OF SADB BLOCK
164	(A4)	ADDRESS	4	CMCTSPCS	ADDR OF SPCSP BLOCK
168	(A8)	ADDRESS	4	CMCTCPMB	ADDR OF CHANNEL PATH MEASUREMENT BLOCK (VALID ONLY WHEN CMCTCPOK IN CMCTFLG1 IS ON)
172	(AC)	SIGNED	4	CMCTCRCT	CPMF RESTART COUNT
176	(B0)	SIGNED	4	CMCTCPCT	LAST RECORDED CPMB SAMPLE COUNT
180	(B4)	SIGNED	4	CMCTTODS	TIME STAMP OF LAST CPMF CHECK
184	(B8)	SIGNED	4	CMCTCMC2	ADDRESS OF CHANNEL MEASUREMENT CHARACTERISTICS BLOCK
188	(BC)	SIGNED	4	CMCTCPM2	ADDRESS OF CHANNEL PATH MEASUREMENT EXTENDED BLOCK
192	(C0)	DBL WORD	8	CMCTCPMFSTATEINFO (0)	CPMF STATE INFORMATION
192	(C0)	BITSTRING	1	CMCTCPMFMODE	CURRENT MEASUREMENT MODE 0 - CPMF NOT ACTIVE 1 - COMPATABILITY MODE 2 - EXTENDED MODE
192	(C0)	X'0'	0	CMCT_CPMF_NA	"00" CPMF NOT ACTIVE
192	(C0)	X'1'	0	CMCT_CPMF_COMPAT	"01" CPMF IN COMPAT MODE
192	(C0)	X'2'	0	CMCT_CPMF_EXTEND	"02" CPMF IN EXTENDED MODE
193	(C1)	BITSTRING	1	CMCTOPTXXMODE	MEASUREMENT MODE SPECIFIED IN IEAOPTXX MEMBER OF SYS1.PARMLIB: 0 - CPMF KEYWORD NOT SET 1 - CPMF COMPATABILITY MODE 2 - CPMF EXTENDED
193	(C1)	X'0'	0	CMCT_OPT_NA	"00" CPMF KEYWORD NOT SET
193	(C1)	X'1'	0	CMCT_OPT_COMPAT	"01" CPMF COMPATABILITY MODE SET
193	(C1)	X'2'	0	CMCT_OPT_EXTEND	"02" CPMF EXTENDED MODE SET
194	(C2)	BITSTRING	1	CMCTCPMFFLAGS	PROCESSING FLAGS
		1...		CMCTEXTENDEDMODECHIPID	"BIT0" CHIPID REQUIRING EXTENDED MEASUREMENT MODE WAS FOUND IN THE SYSTEM. SET BY IOS.
195	(C3)	BITSTRING	1	CMCTCPMFFLAGS2	PROCESSING FLAGS 2
		1...		CMCTCPMFRESTART	

CMCT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
196	(C4)	BITSTRING	1		"BIT0" SET ON IF CPMF WAS DETERMINED TO BE STOPPED AND A RESTART IS NEEDED. IF NEW BITS ARE ADDED, THEN CS IS NEEDED WHEN UPDATING CMCTCPMFFLAGS2.
197	(C5)	CHARACTER	2	CMCTCMSTOPRSN	Reserved
199	(C7)	BITSTRING	1	CMCTCPFN	FUNCTION CODE FOR STARTING CPMF ROUTINE I14. 0 - NIP CPMF STARTUP 1 - REGULAR CPMF RESTART
199	(C7)	X'0'	0	CMCT_NIP	"00" Nip CPMF startup value
199	(C7)	X'1'	0	CMCT_RESTART	"01" Nip CPMF restart value
200	(C8)	SIGNED	2	CMCTATTEMPTMODESWITCH	COUNT OF ATTEMPTS BEGUN TO SWITCH MEASUREMENT MODES
202	(CA)	SIGNED	2	CMCTCOMPLETEMODESWITCH	COUNT OF COMPLETED ATTEMPTS TO SWITCH MEASUREMENT MODES
204	(CC)	SIGNED	4	CMCTIOSCSMRC	RC of IOSCSM
208	(D0)	CHARACTER	25	CMCTECMBINFO	ECMB information
208	(D0)	ADDRESS	4	CMCTECMBPTR	ECMB address
212	(D4)	BITSTRING	8	CMCTECMBSTOKEN	ECMB dataspace STOKEN
220	(DC)	SIGNED	4	CMCTECMBALET	ECMB dataspace alet
224	(E0)	CHARACTER	8	CMCTECMBHIGHMBIS	ECMB dataspace alet
				(0)	Highest MBI assigned per Subchannel
224	(E0)	SIGNED	2	CMCTECMBHIGHMBI0	- Subchannel set 0
226	(E2)	SIGNED	2	CMCTECMBHIGHMBI1	- Subchannel set 1
228	(E4)	SIGNED	2	CMCTECMBHIGHMBI2	- Subchannel set 2
230	(E6)	SIGNED	2	CMCTECMBHIGHMBI3	- Subchannel set 3
232	(E8)	BITSTRING	1	CMCTECMBFLAGS	ECMB flags
		1... ..		CMCTECMBMODE	"X'80" On = ECMB mode
233	(E9)	BITSTRING	3		Reserved
236	(EC)	SIGNED	4	CMCTCPMX	Address of Extended Channel Utilization Block (valid only if CMCTECMF is ON)
240	(F0)	DBL WORD	8	CMCTEND (0)	- END OF CMCT
240	(F0)	X'F0'	0	CMCTLEN	"CMCTEND-CMCT" - LENGTH OF CMCT

CMCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMCT	0		CMCTCONN	60	64
CMCT_CPMF_COMPAT			CMCTCPCT	B0	0
	C0	1	CMCTCPDR	5B	4
CMCT_CPMF_EXTEND			CMCTCPFL	70	
	C0	2	CMCTCPFN	C7	0
CMCT_CPMF_NA	C0	0	CMCTCPMB	A8	
CMCT_NIP	C7	0	CMCTCPMF	5B	8
CMCT_OPT_COMPAT			CMCTCPMFFLAGS		
	C1	1		C2	0
CMCT_OPT_EXTEND			CMCTCPMFFLAGS2		
	C1	2		C3	0
CMCT_OPT_NA	C1	0	CMCTCPMFMODE	C0	0
CMCT_RESTART	C7	1	CMCTCPMFRESTART		
CMCTACTV	60	6C		C3	80
CMCTATTEMPTMODESWITCH			CMCTCPMFSTATEINFO		
	C8	0		C0	
CMCTCHRD	5A	10	CMCTCPMT	C	
CMCTCMBN	58	0	CMCTCPMX	EC	0
CMCTCMBR	10	0	CMCTCPM2	BC	0
CMCTCMBT	32	0	CMCTCPOK	5B	1
CMCTCMBV	14		CMCTCPWK	18	
CMCTCMC2	B8	0	CMCTCRCT	AC	0
CMCTCMOK	5C	20	CMCTCTU	3E	0
CMCTCMSTOPRSN			CMCTCTUN	3C	0
	C5	4040	CMCTDBVT	8	
CMCTCOMM	5A	40	CMCTDCA	5B	80
CMCTCOMPLETEMODESWITCH			CMCTDCOK	5C	80
	CA	0	CMCTDDR	7C	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMCTDSIZ	50	800	CMCTTCOK	5C	10
CMCTDTME	98	7FFF	CMCTTODS	B4	0
CMCTDVCL	5A	0	CMCTUCBC	78	
CMCTECMBALET	DC	0	CMCTUNTR	5A	80
CMCTECMBFLAGS			CMCTUPDT	34	0
	E8	0	CMCTVDEV	74	
CMCTECMBHIGHMBIS	E0		CMCTVERS	4	2
			CMCTVER0	4	0
CMCTECMBHIGHMBI0	E0	0	CMCTVER1	4	1
			CMCTWORK	60	0
CMCTECMBHIGHMBI1	E2	0			
CMCTECMBHIGHMBI2	E4	0			
CMCTECMBHIGHMBI3	E6	0			
CMCTECMBINFO	D0				
CMCTECMBMODE	E8	80			
CMCTECMBPTR	D0				
CMCTECMBSTOKEN					
	D4	0			
CMCTECMF	5C	1			
CMCTECPM	5B	2			
CMCTELST	44	0			
CMCTEND	F0				
CMCTEXTENDEDMODECHPID					
	C2	80			
CMCTFLG1	5B	0			
CMCTFLG2	5C	0			
CMCTGRPH	5A	20			
CMCTHICP	1C				
CMCTHMBI	30	0			
CMCTIOSCSMRC					
	CC	0			
CMCTKEY	5D	50			
CMCTLEN	F0	F0			
CMCTLTA	88	9			
CMCTLTA1	8A	A			
CMCTMDON	80				
CMCTMDXN	84				
CMCTMFA	5B	40			
CMCTMFOK	5C	40			
CMCTMFSP	5B	10			
CMCTMORE	56	0			
CMCTNAME	0	C3D4C3E3			
CMCTOPTXXMODE					
	C1	0			
CMCTPAA	5B	20			
CMCTPAOK	5C	8			
CMCTPCID	20	24			
CMCTPDMB	20	20			
CMCTPEND	60	68			
CMCTPERM	20	0			
CMCTRSEQ	2C	0			
CMCTRSRT	9C	8F000			
CMCTRSV1	5	0			
CMCTRSV2	28	0			
CMCTRSV3	8E	0			
CMCTRSV5	52	0			
CMCTRSV6	5E	0			
CMCTRWCT	5F	0			
CMCTSADB	A0				
CMCTSAMC	54	0			
CMCTSAMI	38	C8			
CMCTSAM4	60	60			
CMCTSCIP	5C	2			
CMCTSDOK	5C	4			
CMCTSPCS	A4				
CMCTSPIP	4C	0			
CMCTSTME	8C	0			
CMCTSTRT	40	0			
CMCTSWC	94				
CMCTSWTH	90	0			
CMCTSYNI	48	3E80			

CMDX Information

CMDX Programming Interface information

Programming Interface information

CMDX

End of Programming Interface information

CMDX Heading Information • CMDX Map

CMDX Heading Information

Common Name: COMMAND INSTALLATION EXIT ROUTINE PARAMETER LIST
Macro ID: IEZVX101
DSECT Name: CMDX, CMDXCLIB, CMDXCDAM, CMDXOLIB
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: CMDX
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 252
 Key: 0
 Residency: Any
Size: CMDX -- X'0070' bytes
 CMDXCLIB -- X'0002' bytes
 CMDXCDAM -- X'000C' bytes
 CMDXOLIB -- X'0002' bytes
Created by: IECEV6CX - THE COMMAND INSTALLATION EXIT
 INTERFACE ROUTINE
Pointed to by: REGISTER 1 on entry to command installation
 exit
Serialization: NONE
Function: PROVIDES THE INTERFACE BETWEEN IECEV6CX AND
 THE COMMAND INSTALLATION EXITS.

CMDX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMDX	Command installation exit parameter list
0	(0)	CHARACTER	4	CMDXACRN	Acronym CMDX
4	(4)	CHARACTER	1	CMDXVRSV	Version Level
5	(5)	BITSTRING	2	CMDXSTAT	Status bytes
5	(5)	BITSTRING	1	CMDXSTU1	Status flags

Comment

Bit definitions:

End of Comment

		1.. ..		CMDXNOCK	"X'80" No authorization check
		.1.. ..		CMDXFMC5	"X'40" Command was issued from an MCS console
		..1.		CMDXSPNA	"X'20" Command was issued before security product was activated
		...1		CMDXSYMS	"X'10" Command text was changed by substitution of system symbolic variables
		.... 1..		CMDXIDOK	"X'08" CMDXOCID valid
		.... .1..		CMDXTJY	"X'04" On indicates CMDXASID contains a tjid
6	(6)	BITSTRING	1		Reserved
7	(7)	CHARACTER	1	CMDXRSV1	Reserved
8	(8)	CHARACTER	8	CMDXISYN	Issuing system name
16	(10)	CHARACTER	8	CMDXCNNM	Issuing console name
24	(18)	SIGNED	4	CMDXC4ID	Issuing console id in 4-byte format
24	(18)	BITSTRING	1	CMDXC4CL	Console class
25	(19)	SIGNED	3	CMDXC4NM	Console number
28	(1C)	CHARACTER	4	CMDXTOKN	Command issuer token

Comment

CMDXAFLA contains the authority level of the console which issued the command. If the installation exit alters the authority of the command, the new authority overlays the original value.

End of Comment

32	(20)	BITSTRING	2	CMDXAUTH	Command issuer authority
32	(20)	BITSTRING	1	CMDXAFLA	1st byte of authority

Comment

Bit definitions:

End of Comment

		1.. ..		CMDXAMST	"X'80" Master authority
		.1.. ..		CMDXASYS	"X'40" SYS command authority
		..1.		CMDXAIO	"X'20" IO command authority
		...1		CMDXACON	"X'10" CONS command authority
33	(21)	BITSTRING	1	CMDXAFLB	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
34	(22)	SIGNED	2	CMDXASID	ASID of the CMDX invoker
34	(22)	CHARACTER	2	CMDXTJID	TSO Terminal Job Identifier
36	(24)	ADDRESS	4	CMDXCWKP	Pointer to 12-byte common data area for all exits
40	(28)	ADDRESS	4	CMDXIWKP	Pointer to 8-byte data area for individual exit
44	(2C)	BITSTRING	4	CMDXSRFE	Request make to an exit
44	(2C)	BITSTRING	1	CMDXSRF1	Byte one

Comment

Bit definitions:

End of Comment					
		1... ..		CMDXCCDA	"X'80" This is the termination call. Cleanup the common data area
		.1.. ..		CMDXCIDA	"X'40" This is the termination call. Cleanup the individual data area
45	(2D)	BITSTRING	3	CMDXSRF2	Reserved
48	(30)	BITSTRING	4	CMDXRFLG	Request flags. Made by an exit
48	(30)	BITSTRING	1	CMDXRFL1	Byte one

Comment

Bit definitions:

End of Comment					
		1... ..		CMDXRCMI	"X'80" Change the command image. The new or changed command image must be in CMDXCMDI buffer along with modify length. The change must not be more than 126 characters in length
		.1.. ..		CMDXRAUT	"X'40" Change the command authority. The new or changed authority must be in CMDXAUTH. If request not valid, the request will be ignored.
		..1.		CMDXCNMG	"X'20" Process IEE295I message request.
		...1		CMDXRNMG	"X'10" 0 - produce IEE295I message 1 - do not produce IEE295I
		.... 1...		CMDXCNHC	"X'08" Process command hardcopy request.
		.... .1..		CMDXRNHC	"X'04" 0 - hardcopy altered command 1 - do not HC altered cmd
49	(31)	BITSTRING	3	CMDXRFL2	Reserved
52	(34)	BITSTRING	4	CMDXPRFL	Previous request flags
52	(34)	BITSTRING	1	CMDXPRF1	Byte one

Comment

Bit definitions:

End of Comment					
		1... ..		CMDXPRCI	"X'80" Changed the command image
		.1.. ..		CMDXPRAU	"X'40" Changed the authority of the issuer of the command (for this command only)
		..1.		CMDXPRNM	"X'20" System will not produce IEE295I message.
		...1		CMDXPRNH	"X'10" System will not hardcopy altered command.
53	(35)	BITSTRING	3	CMDXPRF2	Reserved
56	(38)	ADDRESS	4	CMDXCLIP	Pointer to the command length and the command image
60	(3C)	CHARACTER	4	CMDXEDAT	Exit data from MGCRC
64	(40)	CHARACTER	8	CMDXTRNM	Terminal name
72	(48)	CHARACTER	8	CMDXCLNM	Console class name
80	(50)	CHARACTER	8	CMDXCART	Command response token
88	(58)	ADDRESS	4	CMDXUTOK	Pointer to utoken
92	(5C)	ADDRESS	4	CMDXOLIP	If CMDXSYMS = ON, address of structure CMDXOLIB (original command text before symbolic variable substitution)
96	(60)	SIGNED	4	CMDXOCID	Originating console id (use for authority checking)
100	(64)	ADDRESS	4	CMDXENVR	Pointer to ENVR object
104	(68)	CHARACTER	8	CMDXRSV4	Reserved
104	(68)	X'70'	0	CMDX_LEN	"*-CMDX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMDXCLIB	Command buffer
0	(0)	SIGNED	2	CMDXCMDL	Length of the command text
2	(2)	CHARACTER	1	CMDXCMDI (0)	Command image text

CMDX Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
THE ACRONYM AND THE VERSION NUMBER TO BE PLACED IN THE COMM TASK EXIT PARAMETER LIST.					
End of Comment					
2	(2)	X'D4C4E7'	0	CMDXNAME	"C'CMDX'" ACRONYM
2	(2)	X'1'	0	CMDXS410	"1" LEVEL OS/VS2 HBB4410
2	(2)	X'2'	0	CMDXS520	"2" LEVEL OS/VS2 HBB5520
2	(2)	X'2'	0	CMDXVERN	"2" CURRENT VERSION LEVEL
2	(2)	X'2'	0	CMDXCLIB_LEN	""-CMDXCLIB"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMDXCDAM	12-BYTE DATA AREA MAPPING
0	(0)	ADDRESS	4	CMDXCRTN	ADDRESS OF CLEANUP ROUTINE TO BE INVOKED AT THE TERMINATION CALL
4	(4)	CHARACTER	8	CMDXCUDA	8 BYTES USER DATA AREA
4	(4)	X'C'	0	CMDXCDAM_LEN	""-CMDXCDAM"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMDXOLIB	Original command text
0	(0)	SIGNED	2	CMDXOMDL	Length of the command text
2	(2)	CHARACTER	1	CMDXOMDI (0)	Command image text
2	(2)	X'2'	0	CMDXOLIB_LEN	""-CMDXOLIB"

CMDX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMDX	0		CMDXNAME	2	D4C4E7
CMDX_LEN	68	70	CMDXNOCK	5	80
CMDXACON	20	10	CMDXOCID	60	
CMDXACRN	0		CMDXOLIB	0	
CMDXAFLA	20		CMDXOLIB_LEN	2	2
CMDXAFLB	21		CMDXOLIP	5C	
CMDXAIO	20	20	CMDXOMDI	2	
CMDXAMST	20	80	CMDXOMDL	0	
CMDXASID	22		CMDXPRAU	34	40
CMDXASYS	20	40	CMDXPRCI	34	80
CMDXAUTH	20		CMDXPRFL	34	
CMDXCART	50		CMDXPRF1	34	
CMDXCCDA	2C	80	CMDXPRF2	35	
CMDXCDAM	0		CMDXPRNH	34	10
CMDXCDAM_LEN	4	C	CMDXPRNM	34	20
CMDXCIDA	2C	40	CMDXRAUT	30	40
CMDXCLIB	0		CMDXRCMI	30	80
CMDXCLIB_LEN	2	2	CMDXRFLG	30	
CMDXCLIP	38		CMDXRFL1	30	
CMDXCLNM	48		CMDXRFL2	31	
CMDXCMDI	2		CMDXRNHC	30	4
CMDXCMDL	0		CMDXRNMG	30	10
CMDXCNHC	30	8	CMDXRSV1	7	
CMDXCNMG	30	20	CMDXRSV4	68	
CMDXCNNM	10		CMDXSPNA	5	20
CMDXCRTN	0		CMDXSFE	2C	
CMDXCUDA	4		CMDXSFR1	2C	
CMDXCWKP	24		CMDXSFR2	2D	
CMDXC4CL	18		CMDXSTAT	5	
CMDXC4ID	18		CMDXSTU1	5	
CMDXC4NM	19		CMDXSYMS	5	10
CMDXEDAT	3C		CMDXS410	2	1
CMDXENVR	64		CMDXS520	2	2
CMDXFMCS	5	40	CMDXTJID	22	
CMDXIDOK	5	8	CMDXTJY	5	4
CMDXISYN	8		CMDXTOKN	1C	
CMDXIWKP	28		CMDXTRNM	40	

Name	Hex Offset	Hex Value
CMDXUTOK	58	
CMDXVERN	2	2
CMDXVRSV	4	

CNMB Information

CNMB Programming Interface information

Programming Interface information

CNMB

End of Programming Interface information

CNMB Heading Information • CNMB Cross Reference

CNMB Heading Information

Common Name: Converter Message Buffer Mapping
Macro ID: IEFCNMB
DSECT Name: CNMB
Owning Component: Converter (SC1B9)
Eye-Catcher ID: CNMB
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: Recommended subpool - 230 Installation specifies subpool in the C/I text exit. Subpool is returned to the converter in the CNMB. Desirable attributes: private, task-related
 Key: 1
 Residency: BELOW
Size: see CNMBSIZE value
Created by: C/I Text exit
Pointed to by: - CNMBNPTR field of the CNMB data area
 - On return from JES2 exit 6, the 5th word of a parameter list pointed to by register 1
 - On return from JES3 exit IATUX03, the 2nd word of a parameter list pointed to by register 1
Serialization: None
Function: This macro provides the mapping for a message buffer returned by the C/I text exit. The buffer can be used to pass installation-specific messages to the converter for output to the message dataset. It can also be used to direct the converter to fail a job at the discretion of the installation.

CNMB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CNMB	
0	(0)	X'0'	0	CNMBBGN	***
0	(0)	CHARACTER	4	CNMBID	IDENTIFIER (LOADED FROM CNMBCID)
4	(4)	BITSTRING	1	CNMBVER	CNMB VERSION NUMBER (CNMBCVER)
5	(5)	CHARACTER	1	CNMBSUBP	SUBPOOL FROM WHICH CNMB STORAGE WAS OBTAINED (eg E6)
6	(6)	SIGNED	2	CNMBLEN	LENGTH OF CNMB (CNMBSIZE)
8	(8)	BITSTRING	1	CNMBOPTS	OPTION BYTE
		1...		CNMBFJOB	"X'80" WHEN SET ON BY THE EXIT INDICATES TO THE CONVERTER TO FAIL THE JOB IF SET ON, CONVERSION WILL CONTINUE UNTIL THE ENTIRE JOB HAS BEEN SCANNED. JOB WILL NOT EXECUTE.
9	(9)	CHARACTER	7	CNMBSRV1	RESERVED
16	(10)	ADDRESS	4	CNMBNPTR	POINTER TO NEXT BUFFER OR ZERO
20	(14)	CHARACTER	111	CNMBMSG (0)	MESSAGE AREA IN VARIABLE LENGTH FORM
20	(14)	BITSTRING	1	CNMBMLN	LENGTH OF MSG TEXT (EXCLUDING CNMBMLN FIELD)
21	(15)	CHARACTER	1	CNMBMSG (0)	MESSAGE TEXT (<=110)
21	(15)	X'15'	0	CNMBSIZE	**-CNMBBGN" Length of the fixed parameters

CNMB Cross Reference

Name	Hex Offset	Hex Value
CNMB	0	
CNMBBGN	0	0
CNMBFJOB	8	80
CNMBID	0	
CNMBLEN	6	
CNMBMLN	14	
CNMBMSG	15	
CNMBMSG (0)	14	
CNMBNPTR	10	
CNMBOPTS	8	
CNMBMSG (0)	15	15
CNMBSRV1	9	
CNMBSUBP	5	
CNMBVER	4	

CNZMYLGN Information

CNZMYLGN Programming Interface information

Programming Interface information

CNZMYLGN

End of Programming Interface information

CNZMYLGN Heading Information • CNZMYLGN Cross Reference

CNZMYLGN Heading Information

Common Name: Architected Logon Mapping
Macro ID: CNZMYLGN
DSECT Name: CNZ_tLgnStr, CNZ_tLgnOpnd
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Subpool: Anywhere
 Key: 0
Size: CNZ_tLgnStr - 126 bytes
 CNZ_tLgnOpnd - 120 bytes
Created by: IEECVET4
Pointed to by: N/A - Maps the LOGON command image.
Serialization: None
Function: Maps the architected logon command string and the logon command operands. The logon command string contains the LOGON verb whereas the logon command operand contains the operands after the LOGON verb.

CNZMYLGN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CNZ_TLGNSTR	
0	(0)	CHARACTER	5	CNZLGNSTRKEYWORDLOGON	
5	(5)	CHARACTER	1		
6	(6)	CHARACTER	107	CNZLGNSTROPERAND	
6	(6)	CHARACTER	8	CNZLGNOPNDUSERID	
14	(E)	CHARACTER	1		
15	(F)	CHARACTER	8	CNZLGNOPNDKEYWORDPASSWORD	
23	(17)	CHARACTER	1		
24	(18)	CHARACTER	26	CNZLGNOPNDPASSWORD	
50	(32)	CHARACTER	1		
51	(33)	CHARACTER	11	CNZLGNOPNDKEYWORDOLDNEWNEW	
62	(3E)	CHARACTER	18		
80	(50)	CHARACTER	5	CNZLGNOPNDKEYWORDGROUP	
85	(55)	CHARACTER	1		
86	(56)	CHARACTER	8	CNZLGNOPNDGROUP	
94	(5E)	CHARACTER	1		
95	(5F)	CHARACTER	8	CNZLGNOPNDKEYWORDSECLABEL	
103	(67)	CHARACTER	1		
104	(68)	CHARACTER	8	CNZLGNOPNDSECLABEL	
112	(70)	CHARACTER	1	CNZLGNOPNDTRAILINGBLANK	
126	(7E)	X'7E'	0	CNZ_TLGNSTR_LEN	""-CNZ_TLGNSTR"

CNZMYLGN Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CNZ_TLGNSTR	0		CNZLGNSTROPERAND	6	
CNZ_TLGNSTR_LEN	7E	7E			
CNZLGNOPNDGROUP	56				
CNZLGNOPNDKEYWORDGROUP	50				
CNZLGNOPNDKEYWORDOLDNEWNEW	33				
CNZLGNOPNDKEYWORDPASSWORD	F				
CNZLGNOPNDKEYWORDSECLABEL	5F				
CNZLGNOPNDPASSWORD	18				
CNZLGNOPNDSECLABEL	68				
CNZLGNOPNDTRAILINGBLANK	70				
CNZLGNOPNDUSERID	6				
CNZLGNSTRKEYWORDLOGON	0				

CNZMYM2S Information

CNZMYM2S Programming Interface information

Programming Interface information

CNZMYM2S

End of Programming Interface information

CNZMYM2S Heading Information • CNZMYM2S Map

CNZMYM2S Heading Information

Common Name: Message To Syslog Exit Parameter List
Macro ID: CNZMYM2S
DSECT Name: M2SL
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: 'M2SL'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
 Residency: 31-bit Storage
Size: M2SL -- X'0030' bytes
Created by: CNZQ1SLG
Pointed to by: R1 on entry to all CNZ_MSGTOSYSLOG exit routines
Serialization: None
Function: Maps the parameter list passed to CNZ_MSGTOSYSLOG exit routines

CNZMYM2S Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	M2SL	M2SL - Message to SYSLOG parameter list
0	(0)	CHARACTER	4	M2SL_ACRONYM	Acronym - 'M2SL'
4	(4)	BITSTRING	1	M2SL_VERSION	Version level of M2SL
5	(5)	BITSTRING	1		Reserved
6	(6)	SIGNED	2	M2SL_LENGTH	Length of the M2SL
8	(8)	CHARACTER	12	M2SL_VARIABLE (0)	Area to be cleared for each message instance
8	(8)	SIGNED	4	M2SL_FLAGS (0)	Flags
8	(8)	BITSTRING	1	M2SL_FLAG1 (0)	First flag byte
		1...		M2SL_MLWTO	"X'80" When set, message is a MLWTO
		.1.		M2SL_MINORLINE	"X'40" When set, this call is for a minor line (M2SL_WMNM is valid)
		..1.		M2SL_LASTLINE	"X'20" When set, this call is for the last line of a MLWTO
9	(9)	SIGNED	3		
12	(C)	ADDRESS	4	M2SL_WQE@	Pointer to single or major line WQE
16	(10)	ADDRESS	4	M2SL_WMNM@	Pointer to the half minor line or zero
20	(14)	ADDRESS	4	M2SL_WORKAREA@	Pointer to 4k workarea for the exit. Each exit routine will share the same 4k workarea. It is up to the exit routine to initialize the workarea.
24	(18)	CHARACTER	24		Reserved
48	(30)	CHARACTER	1	M2SL_END (0)	End of M2SL structure

Comment

Constants

End of Comment

48	(30)	X'1'	0	M2SL_KVERSIONJBB7727	"1"
48	(30)	X'1'	0	M2SL_KVERSIONCURRENT	"1"
48	(30)	X'F2E2D3'	0	M2SL_KACRONYM	"C'M2SL"
48	(30)	X'30'	0	M2SL_LEN	"*-M2SL"

CNZMYM2S Cross Reference

Name	Hex Offset	Hex Value
M2SL	0	
M2SL_ACRONYM	0	
M2SL_END	30	
M2SL_FLAGS	8	
M2SL_FLAG1	8	
M2SL_KACRONYM	30	F2E2D3
M2SL_KVERSIONCURRENT	30	1
M2SL_KVERSIONJBB7727	30	1
M2SL_LASTLINE	8	20
M2SL_LEN	30	30
M2SL_LENGTH	6	
M2SL_MINORLINE	8	40
M2SL_MLWTO	8	80
M2SL_VARIABLE	8	
M2SL_VERSION	4	
M2SL_WMNM@	10	
M2SL_WORKAREA@	14	
M2SL_WQE@	C	

CNZMYQUA Information

CNZMYQUA Programming Interface information

Programming Interface information

CNZMYQUA

End of Programming Interface information

CNZMYQUA Heading Information • CNZMYQUA Map

CNZMYQUA Heading Information

Common Name: CNZQUERY Answer Area
Macro ID: CNZMYQUA
DSECT Name: CnzmyquaHdr
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
 CnzmyquaHdr -- X'0050' bytes
Size: Caller. Designated by ANSAREAALET keyword
Created by: on CNZQUERY
Pointed to by: CNZQUERY parameter list
Serialization: None required
Function: Maps the data returned by the CNZQUERY macro.

The returned information consists of a header (CnzmyquaHdr) which contains queue headers for the requested data.

CNZMYQUA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CNZMYQUAHDR	Header section
0	(0)	ADDRESS	4	CNZMYQUAH_FIRST_IA_WQE_ADDR	Address of first immediate action WQE when AMRF=YES. Mapped by IHAWQE
4	(4)	ADDRESS	4	CNZMYQUAH_FIRST_EA_WQE_ADDR	Address of first eventual action WQE when AMRF=YES. Mapped by IHAWQE
8	(8)	ADDRESS	4	CNZMYQUAH_FIRST_CEA_WQE_ADDR	Address of first critical eventual action WQE when AMRF=YES. Mapped by IHAWQE
12	(C)	ADDRESS	4	CNZMYQUAH_FIRST_ORE_ADDR	First ORE address when WTOR=YES. Mapped by IHAORE. Each ORE contains the address of the associated WQE (mapped by IHAWQE).
16	(10)	CHARACTER	4	CNZMYQUAH_AMRF_STATUS	
16	(10)	BITSTRING	1	CNZMYQUAH_AMRF_STATUS_BYTE0	

Comment

Bit definitions:

End of Comment

1...

CNZMYQUAH_AMRF_ACTIVE

"X'80" When 1, AMRF is active

20 (14) CHARACTER

4 CNZMYQUAH_VALIDITY

20 (14) BITSTRING

1 CNZMYQUAH_VALIDITY_BYTE0

Comment

Bit definitions:

End of Comment

1...

CNZMYQUAH_VALID_WTOR_INFO

"X'80" The requested WTOR information is successfully returned

.1..

CNZMYQUAH_VALID_AMRF_INFO

"X'40" The requested AMRF information is successfully returned

24 (18) CHARACTER

40 Reserved

64 (40) CHARACTER

16 CNZMYQUAH_NONINTERFACE1

64 (40) X'1000'

0 CNZMYQUAHDR_ADDR

"4096" Location within the data space of CnzmyquaHdr

Comment

Return Code / Reason code constants for CNZQUERY.

It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code).

Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.

End of Comment

64 (40) BITSTRING

0 CNZQUERYRSNCODEMASK

"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
CNZQUERY Return and Reason Code definitions					
End of Comment					
		.... ....		CNZQUERYRC_OK	"X'00000000" Meaning: CNZQUERY request successful. Action: None required.
		.... 1...		CNZQUERYRC_INVPARM	"X'00000008" Meaning: CNZQUERY request specifies invalid parameters. Action: Refer to action under the individual reason code.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADPARMLIST	"X'00000801" Meaning: Unable to access parameter list. Action: Check for possible storage overlay.
64	(40)	BITSTRING	0	CNZQUERYRSN_SRBMODE	"X'00000802" Meaning: SRB mode. Action: Avoid requesting this function in SRB mode.
64	(40)	BITSTRING	0	CNZQUERYRSN_NOTENABLED	"X'00000803" Meaning: Not Enabled. Action: Avoid requesting this function while not enabled.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADANSAREALET	"X'00000804" Meaning: Bad answer area ALET. Action: Make sure that the ALET associated with the answer area is valid. The access register might not have been set up correctly.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADANSAREA	"X'00000805" Meaning: Error accessing answer area. Action: Make sure that the provided answer area is valid.
64	(40)	BITSTRING	0	CNZQUERYRSN_RESERVEDNOT0	"X'00000806" Meaning: Reserved field not 0. Action: Check for possible storage overlay of the parameter list.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADPARMLISTALET	"X'00000807" Meaning: Bad parmlist ALET. Action: Make sure that the ALET of the parameter list is valid. The access register might not have been set up correctly.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADVERSION	"X'00000808" Meaning: Bad version number. Action: Check for possible storage overlay of the parameter list.
64	(40)	BITSTRING	0	CNZQUERYRSN_LOCKED	"X'00000809" Meaning: Locked Action: Avoid requesting this function in this environment.
64	(40)	BITSTRING	0	CNZQUERYRSN_FRR	"X'0000080A" Meaning: An FRR is set Action: Avoid requesting this function in this environment.
		...1		CNZQUERYRC_COMPERROR	"X'00000010" Meaning: Unexpected failure. Action: Refer to the action provided with the specific reason code.
64	(40)	BITSTRING	0	CNZQUERYRSN_COMPERROR	"X'00001001" Meaning: Unexpected failure. The state of the request is unpredictable. Action: Contact your system programmer.
64	(40)	X'50'	0	CNZMYQUAHDR_LEN	** -CnzmyquaHdr"

CNZMYQUA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CNZMYQUAH_AMRF_ACTIVE	10	80	CNZMYQUAH_VALID_WTOR_INFO	14	40
CNZMYQUAH_AMRF_STATUS	10		CNZMYQUAH_VALIDITY	14	80
CNZMYQUAH_AMRF_STATUS_BYTE0	10		CNZMYQUAH_VALIDITY_BYTE0	14	
CNZMYQUAH_FIRST_CEA_WQE_ADDR	8		CNZMYQUAHDR	0	
CNZMYQUAH_FIRST_EA_WQE_ADDR	4		CNZMYQUAHDR_ADDR	40	1000
CNZMYQUAH_FIRST_IA_WQE_ADDR	0		CNZMYQUAHDR_LEN	40	50
CNZMYQUAH_FIRST_ORE_ADDR	C		CNZQUERYRC_COMPERROR	40	10
CNZMYQUAH_NONINTERFACE1	40		CNZQUERYRC_INVPARM	40	8
CNZMYQUAH_VALID_AMRF_INFO			CNZQUERYRC_OK		

CNZMYQUA Cross Reference

Name	Hex Offset	Hex Value
CNZQUERYRSN_BADANSAREA	40	0
CNZQUERYRSN_BADANSAREALET	40	805
CNZQUERYRSN_BADPARMLIST	40	804
CNZQUERYRSN_BADPARMLISTALET	40	801
CNZQUERYRSN_BADVERSION	40	807
CNZQUERYRSN_COMPERROR	40	808
CNZQUERYRSN_FRR	40	1001
CNZQUERYRSN_LOCKED	40	80A
CNZQUERYRSN_NOTENABLED	40	809
CNZQUERYRSN_RESERVEDNOT0	40	803
CNZQUERYRSN_SRBMODE	40	806
CNZQUERYRSNCODEMASK	40	802
	40	FFFF

CNZMYSMF Information

CNZMYSMF Programming Interface information

Programming Interface information

CNZMYSMF

End of Programming Interface information

CNZMYSMF Heading Information • CNZMYSMF Map

CNZMYSMF Heading Information

Common Name: Console SMF record 90 subtype 33
Macro ID: CNZMYSMF
DSECT Name: SMF90T33
Owning Component: Console (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: SMF90T33 -- X'0058' bytes
Created by: SET AUTOR processing
Pointed to by: N/A
Serialization: None required
Function: Maps the data provided for SMF record type 90 subtype 33

CNZMYSMF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SMF90T33	SMF record type 90 subtype 33
0	(0)	CHARACTER	8	SMF90T33_TIMESTAMP	
8	(8)	SIGNED	4	SMF90T33_#_SUFFIXES	Time of auto-reply policy change
12	(C)	CHARACTER	2	SMF90T33_SUFFIXES	Count of AUTORxx suffixes used to set the policy
88	(58)	X'58'	0	SMF90T33_LEN	Array of AUTORxx suffixes "-SMF90T33"

CNZMYWMX Information

CNZMYWMX Programming Interface information

Programming Interface information

CNZMYWMX

End of Programming Interface information

CNZMYWMX Heading Information • CNZMYWMX Map

CNZMYWMX Heading Information

Common Name: WTO MDB User Exit Parameter List
Macro ID: CNZMYWMX
DSECT Name: WMDX
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: 'WMDX'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
 Residency: 31-bit Storage
Size: WMDX -- X'00D0' bytes
 CNZ_TWMDX_PLIST -- X'0008' bytes
Created by: CNZS1WTO, CNZSCLOT
Pointed to by: R1 points to a parameter list mapped by CNZ_tWMDX_PList which contains a pointer to the WMDX control block and a pointer to 4K user workarea which is shared by users of the CNZ_WTOMDBEXIT exit point.
Serialization: None
Function: Maps the parameter list passed to CNZ_WTOMDBEXIT exit routines

CNZMYWMX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WMDX	WMDX - WtoMDB Exit Parameter
0	(0)	CHARACTER	8	WMDX_HEADER	WMDX Header
0	(0)	CHARACTER	4	WMDX_ACRONYM	Acronym - 'WMDX'
4	(4)	BITSTRING	1	WMDX_VERSION	Version level of WMDX
5	(5)	CHARACTER	1		Reserved
6	(6)	SIGNED	2	WMDX_LENGTH	Length of the WMDX
8	(8)	CHARACTER	176	WMDX_MSGDATA	Message data
8	(8)	BITSTRING	2	WMDX_FLAGS	Flags
8	(8)	BITSTRING	1	WMDX_FLAG1	First flag byte

Comment

Bit definitions:

End of Comment

		1...		WMDX_SLWTO	"X'80" Message is a single-line WTO
		.1.		WMDX_MLWTO	"X'40" Message is a multi-line WTO
		..1.		WMDX_BEWTO	"X'20" Message is a branch-entry WTO
		...1		WMDX_WTOR	"X'10" Message is a WTOR
		.... 1...		WMDX_FOREIGN	"X'08" Message originated from a system outside this system
9	(9)	BITSTRING	1		Reserved
10	(A)	CHARACTER	2		Reserved
12	(C)	BITSTRING	4	WMDX_DOMID	DOMID/Sequence number
16	(10)	SIGNED	2	WMDX_TEXTLEN	Length of imbedded msg text
18	(12)	CHARACTER	128	WMDX_MSGTEXT	First Line of message text
146	(92)	SIGNED	2	WMDX_ASID	ASID of msg issuer
148	(94)	CHARACTER	8	WMDX_REPLYID	Reply ID of WTOR
156	(9C)	CHARACTER	8	WMDX_SYSNM	Message origination system
164	(A4)	CHARACTER	8	WMDX_JOBNM	Jobname
172	(AC)	CHARACTER	4		Reserved
176	(B0)	SIGNED	4	WMDX_MDB_ALET	ALET associated with this MDB
180	(B4)	ADDRESS	4	WMDX_MDB_PTR	pointer to MDB
184	(B8)	CHARACTER	24		Reserved
208	(D0)	CHARACTER	1	WMDX_END (0)	End of WMDX structure

Comment

Constants

End of Comment

208	(D0)	X'1'	0	WMDX_KVERSIONHBB7730	"1"
208	(D0)	X'1'	0	WMDX_KVERSIONCURRENT	"1"
208	(D0)	X'D4C4E7'	0	WMDX_KACRONYM	"C'WMDX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
208	(D0)	X'D0'	0	WMDX_LEN	""-WMDX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CNZ_TWMDX_PLIST	Linkage structure for WMDX
0	(0)	ADDRESS	4	WMDX_PTR	Pointer to WMDX
4	(4)	ADDRESS	4	WMDX_WORKAREA@	Pointer to user workarea
4	(4)	X'8'	0	CNZ_TWMDX_PLIST_LEN	""-CNZ_TWMDX_PLIST"

CNZMYWMX Cross Reference

Name	Hex Offset	Hex Value
CNZ_TWMDX_PLIST	0	
CNZ_TWMDX_PLIST_LEN	4	8
WMDX	0	
WMDX_ACRONYM	0	
WMDX_ASID	92	
WMDX_BEWTO	8	20
WMDX_DOMID	C	
WMDX_END	D0	
WMDX_FLAGS	8	
WMDX_FLAG1	8	
WMDX_FOREIGN	8	8
WMDX_HEADER	0	
WMDX_JOBNM	A4	
WMDX_KACRONYM	D0	D4C4E7
WMDX_KVERSIONCURRENT	D0	1
WMDX_KVERSIONHBB7730	D0	1
WMDX_LEN	D0	D0
WMDX_LENGTH	6	
WMDX_MDB_ALET	B0	
WMDX_MDB_PTR	B4	
WMDX_MLWTO	8	40
WMDX_MSGDATA	8	
WMDX_MSGTEXT	12	
WMDX_PTR	0	
WMDX_REPLYID	94	
WMDX_SLWTO	8	80
WMDX_SYSNM	9C	
WMDX_TEXTLEN	10	
WMDX_VERSION	4	
WMDX_WORKAREA@	4	
WMDX_WTOR	8	10

CNZTRPL Information

CNZTRPL Programming Interface information

Programming Interface information

CNZTRPL

The following field is **NOT** programming interface information:

- TRPL_Workarea

End of Programming Interface information

CNZTRPL Heading Information • CNZTRPL Map

CNZTRPL Heading Information

Common Name: Tracking Facility Request Parameter List (TRPL)
Macro ID: CNZTRPL
DSECT Name: TRPL
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: TRPL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Caller defined
 Key: Caller defined
 Residency: Any
Size: TRPL -- 80 bytes
 TRPL -- X'0050' bytes
Created by: Issuer of CNZTRKR
Pointed to by: R1 when invoking CNZTRKR
Serialization: None
Function: Parameter list for the CNZTRKR macro

CNZTRPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TRPL	
0	(0)	CHARACTER	4	TRPL_ACRO	"TRPL"
4	(4)	BITSTRING	1	TRPL_VERSION	Version of TRPL
5	(5)	BITSTRING	1	TRPL_REQUESTS	Request flags

Comment

Bit definitions:

End of Comment

1...

TRPL_DONT_ABEND

6	(6)	CHARACTER	2		"X'80" Don't ABEND this instance request Reserved
8	(8)	CHARACTER	28	TRPL_TRACK_INFO	Track info to be recorded
36	(24)	SIGNED	4	TRPL_TRACK_VALUE	Track value to be recorded
40	(28)	ADDRESS	4	TRPL_VIOLATORS_ADDR	Pointer to where the event occurred. Address will be used to determine program name. If zero, CNZTRKR will attempt to determine program name.
44	(2C)	CHARACTER	4		Reserved
48	(30)	CHARACTER	32	TRPL_WORKAREA	Workarea for CNZTRKR

Comment

Version Levels and Acronym definitions

End of Comment

48	(30)	X'D9D7D3'	0	TRPL_K_CHAR	"C'TRPL'" Acronym
48	(30)	X'1'	0	TRPL_K_CURR_VERSION	"1" Current version level
48	(30)	X'1'	0	TRPL_K_JBB7727	"1" Initial version level

Comment

Return and associated reason codes Note: For additional reason codes, in particular for return codes 8 and 12, see also GTZZTRK.

End of Comment

48	(30)	X'0'	0	TRPL_K_RC_OK	"0" Request successful
----	------	------	---	--------------	------------------------

Comment

End of Comment

48	(30)	X'4'	0	TRPL_K_RC_TRACKING_NOT_AVAIL	
----	------	------	---	------------------------------	--

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	X'4'	0	TRPL_K_RSN_MAX_INSTANCES_DEFINED	"4" Tracking is not available
48	(30)	X'8'	0	TRPL_K_RSN_TRACKING_NOT_ACTIVE	"4" The maximum number of recorded instances has been reached "8" Tracking facility is not active

Comment					

End of Comment					
48	(30)	X'C'	0	TRPL_K_RC_INVALID_PARM_DATA	"12" Data in parm list is invalid
48	(30)	X'4'	0	TRPL_K_RSN_INVALID_ACRONYM	"4" Invalid acronym/version level
48	(30)	X'8'	0	TRPL_K_RSN_INVALID_TRACK_INFO	"8" Track information is not valid
48	(30)	X'C'	0	TRPL_K_RSN_INVALID_PARM_LIST_ADDR	"12" Can not access parm list

Comment					

End of Comment					
48	(30)	X'10'	0	TRPL_K_RC_SYSTEM_ERROR	"16" A necessary system service was not available
48	(30)	X'4'	0	TRPL_K_RSN_NO_RECOVERY	"4" Could not establish recovery
48	(30)	X'8'	0	TRPL_K_RSN_NO_SERIALIZATION_ENV	"8" Serialization environment could not be established
48	(30)	X'C'	0	TRPL_K_RSN_ABEND	"12" ABEND occurred during processing
48	(30)	X'10'	0	TRPL_K_RSN_GTZTRACK_REJECTED	"16" GTZTRACK rejected the tracking request.
48	(30)	X'50'	0	TRPL_LEN	"*-TRPL"

CNZTRPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TRPL	0		TRPL_K_RSN_TRACKING_NOT_ACTIVE	30	8
TRPL_ACRO	0		TRPL_LEN	30	50
TRPL_DONT_ABEND			TRPL_REQUESTS	5	
	5	80	TRPL_TRACK_INFO	8	
TRPL_K_CHAR	30	D9D7D3	TRPL_TRACK_VALUE	24	
TRPL_K_CURR_VERSION			TRPL_VERSION	4	
	30	1	TRPL_VIOLATORS_ADDR	28	
TRPL_K_JBB7727			TRPL_WORKAREA	30	
	30	1			
TRPL_K_RC_INVALID_PARM_DATA					
	30	C			
TRPL_K_RC_OK	30	0			
TRPL_K_RC_SYSTEM_ERROR					
	30	10			
TRPL_K_RC_TRACKING_NOT_AVAIL					
	30	4			
TRPL_K_RSN_ABEND					
	30	C			
TRPL_K_RSN_GTZTRACK_REJECTED					
	30	10			
TRPL_K_RSN_INVALID_ACRONYM					
	30	4			
TRPL_K_RSN_INVALID_PARM_LIST_ADDR					
	30	C			
TRPL_K_RSN_INVALID_TRACK_INFO					
	30	8			
TRPL_K_RSN_MAX_INSTANCES_DEFINED					
	30	4			
TRPL_K_RSN_NO_RECOVERY					
	30	4			
TRPL_K_RSN_NO_SERIALIZATION_ENV					
	30	8			

COM Information

COM Programming Interface Information

Programming Interface Information

COM

End of Programming Interface Information

COM Heading Information

Common Name: COMMUNICATIONS PARAMETER LIST
Macro ID: IEZCOM
DSECT Name: None
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245
 Key: 0
Size: 12 bytes
Created by: EXTRACT macro
Pointed to by: Usre defined field.
Serialization: None
Function: Contains information returned by the EXTRACT macro with the
 FIELDS=COMM option.

COM 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	COMLIST	*** COMPTR -> COMMUNICATIONS PARAMETER LIST
0	(0)	ADDRESS	4	COMECBPT	- PTR TO ECB FOR STOP OR MODIFY COMMAND
4	(4)	ADDRESS	4	COMCIBPT	- PTR TO COMMAND INPUT BUFFER (CIB) MAPPED BY THE MACRO IEZCIB
8	(8)	CHARACTER	4	COMTOKEN	- 31 BIT RIGHT JUSTIFIED TOKEN (MDC001)
		1...		COMTOKHR	"X'80" - BIT = 1 INDICATES A TOKEN PRESENT (MDC001) END OF IEZCOM

CONV Information

CONV Programming Interface information

Programming Interface information

CONV

End of Programming Interface information

CONV Heading Information • CONV Map

CONV Heading Information

Common Name: ConVCon Parameter List (CONV) CnzConv Constants (CnzConv)
Macro ID: IEZVG200
DSECT Name: CONV
Owning Component: CONSOLE (SC1CK)
Eye-Catcher ID: CONV
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Subpool of caller
 Key: Key of caller
 Residency: Any
Size: CONV -- 'X'0034' bytes
Created by: CALLER OF CONVCON SERVICE
Pointed to by: Register 1 of caller
Serialization: NONE
Function: PROVIDES A MAPPING OF THE CONVCON PARAMETER LIST (CONV).
 Provides declares for the CnzConv macro.

CONV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CONV	CONV parameter list
0	(0)	CHARACTER	4	CONVACRO	Acronym - 'CONV'
4	(4)	BITSTRING	1	CONVVRSN	Version level
5	(5)	BITSTRING	1	CONVFLGS	Communication flags

Comment

Bit definitions:

End of Comment

		1...		CONVPFLD	"X'80" ON - indicates process CONVPFLD
		.1...		CONVPID	"X'40" ON - indicates process CONVPID
6	(6)	BITSTRING	2	CONVRSV1	Reserved
8	(8)	CHARACTER	10	CONVFLD	EBCDIC input field
18	(12)	CHARACTER	1	CONVAREA	Area ID
19	(13)	CHARACTER	1	CONVRSN	Reason Code
20	(14)	CHARACTER	8	CONVNAME	Console name
28	(1C)	SIGNED	4	CONVID	Console Id
28	(1C)	BITSTRING	1	CONVCLAS	Console Class
29	(1D)	SIGNED	3	CONVNUM	Console number
32	(20)	BITSTRING	1	CONVGFLG	General Flags

Comment

Bit definitions:

End of Comment

		1...		CONVNPAR	"X'80" ON - indicates do not process area id
		.1...		CONVSMCS	"X'40" ON indicates SMCS Console
33	(21)	CHARACTER	7	CONVRSV3	Reserved
40	(28)	CHARACTER	8	CONVSYSN	System name
48	(30)	ADDRESS	4	CONVPTR	Pointer to conv
48	(30)	X'2'	0	CONVRID	"2" Current version level
48	(30)	X'30'	0	CONVPLEN	"48" Length of the CONV parameter list
48	(30)	X'D6D5E5'	0	CONVCHRS	"C'CONV'" Characters for acronym
48	(30)	X'1'	0	CONVSP41	"1" Version level for SP
48	(30)	X'2'	0	CONV7730	"2" Version level for HBB7730 CONVCON PROCESSOR entry point

Comment

CONVCON Return and Reason Code definitions

End of Comment

48	(30)	X'0'	0	CONVCONRETO_CONSOLEACTIVE	"0" Meaning: The input console is active. Action: Examine the reason code to determine how to proceed.
48	(30)	X'0'	0	CONVCONRSN0_AREAIVALID	"0" Meaning: The area ID (if specified) is syntactically valid. Action: None.
48	(30)	X'C'	0	CONVCONRSNC_AREAIINVALID	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	X'10'	0	CONVCONRSN10_AREAIWRONGLENGTH	"12" Meaning: Program error. The area id specified is not syntactically valid. Action: Correct the area ID specification. The area ID must be a letter between A-K or Z. "16" Meaning: Program error. The area ID was either not specified after the dash or additional non-blank characters were specified after the area ID in CONVFLD. Action: Correct the area ID specification. The area ID must be a letter between A-K or Z.
48	(30)	X'4'	0	CONVCONRET4_CONSOLEINACTIVE	"4" Meaning: The input console is inactive. Action: Messages cannot be sent to this console. You must direct messages elsewhere. Examine the reason code for additional information.
48	(30)	X'8'	0	CONVCONRET8_CONSOLENAMENOTFOUND	"8" Meaning: The input console name was not found. Action: Examine the reason code to determine how to proceed.
48	(30)	X'0'	0	CONVCONRSN0_BADNAME	"0" Meaning: Program error. The console name specified is not valid for one of the following reasons: (1) No console with the specified name exists. (2) You specified an area ID with the console name, but you also set the flag CONVNPARG in the CONVFLGS field of the CONV parameter list. (3) You specified a console name with more than 8 characters. Action: Take the action number corresponding to the meaning number. (1) Change the console name to one that is defined in the sysplex. (2) Remove the area ID after the console name, or turn off the CONVNPARG flag in the CONV parameter list. (3) Correct the console name.
48	(30)	X'8'	0	CONVCONRSN8_INVALIDSYNTAX	"8" Meaning: Program error. The console name specified contains invalid syntax. Action: Correct the syntax of the console name and resubmit the request.
48	(30)	X'C'	0	CONVCONRSNC_NAMEISRESERVED	"12" Meaning: Program error. The console name specified is a reserved console name. Action: Correct the problem and resubmit the request.
48	(30)	X'C'	0	CONVCONRETC_INCORRECTCONSOLEID	"12" Meaning: Program error. You specified an incorrect console ID on input. Action: Specify a valid 4-byte console id. Correct the problem and resubmit the request.
48	(30)	X'10'	0	CONVCONRET10_NOTAVAILABLE	"16" Meaning: Environmental error. The ConVCon service is not available Action: Resubmit the request at a later time.
48	(30)	X'14'	0	CONVCONRET14_IBMDIAGNOSTIC	"20" Meaning: System error. These codes are for IBM diagnostic purposes only. Action: Supply the return code, reason code, CNZ00011 message, and the dump to the appropriate IBM support personnel.
48	(30)	X'18'	0	CONVCONRET18_NOINPUTSPECIFIED	"24" Meaning: Program error. CONVCON processing completed unsuccessfully. You did not specify whether a console name or a console ID was being supplied as input. Action: Ensure that exactly one of the console input flags in field CONVFLGS is on and resubmit the request.
48	(30)	X'1C'	0	CONVCONRET1C_TOOMUCHINPUT	"28" Meaning: Program error. CONVCON processing completed unsuccessfully. You specified both the console name and console ID values in CONVFLGS. Action: Ensure that you only have one of the console input flags in field CONVFLGS is on and resubmit the request.
48	(30)	X'20'	0	CONVCONRET20_BADACRONYM	"32" Meaning: Program error. CONVCON processing completed unsuccessfully. The CONV acronym was missing in the CONV parameter list. Action: Ensure that you are correctly referencing the parameter list issuing CONVCON, and that the parameter list is correct. Resubmit the request.
48	(30)	X'24'	0	CONVCONRET24_HOLDINGLOCKS	"36" Meaning: Program error. CONVCON was called while holding a lock. Action: Correct the program to invoke CONVCON while no locks are held.
48	(30)	X'28'	0	CONVCONRET28_INCORRECTENV	"40" Meaning: The CONVCON service was invoked in an incorrect environment. Action: Invoke the CONVCON service in a valid environment.

Comment

End of CONVCON Return and Reason Code definitions
 Console Types. A console type will be returned for any console name or console id query that completes successfully.

End of Comment

48	(30)	X'1'	0	CNZCONV_KTYPE_MCS	"1"
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CONV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
48	(30)	X'2'	0	CNZCONV_KTYPE_SMCS	"2"
48	(30)	X'3'	0	CNZCONV_KTYPE_SUBSYS	"3"
48	(30)	X'4'	0	CNZCONV_KTYPE_EMCS	"4"
48	(30)	X'5'	0	CNZCONV_KTYPE_SPECIAL	"5"

Comment

Console SubTypes Note: Subtypes Internal, Instream, Unknown, and JES3 will appear only with a console type of special. Subtype SysCon will appear only with a console type of EMCS. Subtype HMCS will appear only with a console type of MCS. When no console subtype is associated with the input console, the console subtype will be binary zeros (N/A).

End of Comment

48	(30)	X'1'	0	CNZCONV_KSUBTYPE_INTERNAL	"1" Possible only for a console type of special
48	(30)	X'2'	0	CNZCONV_KSUBTYPE_INSTREAM	"2" Possible only for a console type of special
48	(30)	X'3'	0	CNZCONV_KSUBTYPE_UNKNOWN	"3" Possible only for a console type of special
48	(30)	X'4'	0	CNZCONV_KSUBTYPE_JES3	"4" Possible only for a console type of special
48	(30)	X'5'	0	CNZCONV_KSUBTYPE_SYSCON	"5" Possible only for a console type of EMCS
48	(30)	X'6'	0	CNZCONV_KSUBTYPE_HMCS	"6" Possible only for a console type of MCS

Comment

Console Status Note: The console status will be returned for a console whose console type is one of the following:
MCS
SMCS
SubSys
EMCS
When the input console has a console type of Special, the console status will be binary zeros (N/A).

End of Comment

48	(30)	X'1'	0	CNZCONV_KSTATUS_INACTIVE	"1"
48	(30)	X'2'	0	CNZCONV_KSTATUS_ACTIVE	"2"

Comment

Return and reason code definitions for CNZCONV
CNZCONV Return and Reason Code definitions

End of Comment

		.... ....		CNZCONVRC0_OK	"X'00000000" Meaning: The input console name or id was found and the applicable requested data was returned. Action: None required.
		.... .1..		CNZCONVRC4_CONDITIONALLYOK	"X'00000004" Meaning: The request completed successfully with an exception. Action: Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSN401_IDNOTFOUND	"X'00000401" Meaning: The console id in InConsoleId is not associated with any console. Action: Correct the console id in InConsoleId to be the id of a defined console or take appropriate action when the console id in InConsoleId was not found.
48	(30)	BITSTRING	0	CNZCONVRSN402_NAMENOTFOUND	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	BITSTRING	0	CNZCONVRSN403_NAMEISRESERVED	"X'00000402" Meaning: The console name in InConsoleName is not associated with any console. Action: Correct the console name in InConsoleName to be the name of a defined console or take appropriate action when the console name in InConsoleName was not found.
		.... 1...		CNZCONVRC8_SPECIFICATIONERROR	"X'00000403" Meaning: The input console name is a reserved console name. Action: Correct the console name in InConsoleName to be the name of a defined console or take appropriate action when the console name in InConsoleName is reserved.
48	(30)	BITSTRING	0	CNZCONVRSN801_BADPLISTVER	"X'00000808" Meaning: An error was detected in the CnzConv parameter list. None of the requested data has been returned. Action: Correct the CnzConv parameter list. Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSN802_EXTRANEIOUSINPUT	"X'00000801" Meaning: The PLISTVER in the CnzConv parameter list is incorrect. Action: Correct the PLISTVER in the CnzConv parameter list.
48	(30)	BITSTRING	0	CNZCONVRSN803_INCOMPLETEARGS	"X'00000802" Meaning: InConsoleName and InConsoleId are mutually exclusive keywords but both were specified. Action: Specify one and only one of the following keywords: InConsoleName or InConsoleId.
48	(30)	BITSTRING	0	CNZCONVRSN804_NAMEINVALIDSYNTAX	"X'00000803" Meaning: Neither InConsoleName nor InConsoleId keyword was specified. Action: Specify one and only one of the following keywords: InConsoleName or InConsoleId.
48	(30)	BITSTRING	0	CNZCONVRSN805_RSVPACENOTZERO	"X'00000804" Meaning: The console name in InConsoleName is syntactically invalid and cannot be a console name. Action: Correct the input console name.
		.... 11..		CNZCONVRCC_ERROR	"X'00000805" Meaning: Reserved space in the CnzConv parameter list is not binary zeros. Action: Correct the CnzConv parameter list so that the reserved space contains binary zeros.
48	(30)	BITSTRING	0	CNZCONVRSNC01_NOTAVAILABLE	"X'0000000C" Meaning: The request failed to complete successfully. None of the requested data has been returned. Action: Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSNC02_INCORRECTENV	"X'00000C01" Meaning: The CnzConv service is not available at this time. This typically would not occur after system initialization. Action: Resubmit your request at a later time.
		...1		CNZCONVRC10_UNEXPECTEDERROR	"X'00000C02" Meaning: The CnzConv service was invoked in an incorrect environment. Action: Invoke the CnzConv service in the correct environment.
48	(30)	BITSTRING	0	CNZCONVRSN1001_SEVEREERROR	"X'00000010" Meaning: Unexpected failure occurred. The outcome of the request is unpredictable, meaning that it may have completed successfully, or partially, or not at all. All, some, or none of the data requested has been returned. A dump may have been taken. Action: Examine the reason code to determine how to proceed.
48	(30)	X'34'	0	CONVGLEN	"X'00001001" Meaning: The CnzConv service was unable to complete your request due to an unexpected error processing the CnzConv request. Action: Supply the return code, reason code, and the dump to the appropriate IBM support personel. "-CONV"

CONV Cross Reference

CONV Cross Reference

Name	Hex Offset	Hex Value
CNZCONV_KSTATUS_ACTIVE	30	2
CNZCONV_KSTATUS_INACTIVE	30	1
CNZCONV_KSUBTYPE_HMCS	30	6
CNZCONV_KSUBTYPE_INSTREAM	30	2
CNZCONV_KSUBTYPE_INTERNAL	30	1
CNZCONV_KSUBTYPE_JES3	30	4
CNZCONV_KSUBTYPE_SYSCON	30	5
CNZCONV_KSUBTYPE_UNKNOWN	30	3
CNZCONV_KTYPE_EMCS	30	4
CNZCONV_KTYPE_MCS	30	1
CNZCONV_KTYPE_SMCS	30	2
CNZCONV_KTYPE_SPECIAL	30	5
CNZCONV_KTYPE_SUBSYS	30	3
CNZCONVRCC_ERROR	30	C
CNZCONVRC0_OK	30	0
CNZCONVRC10_UNEXPECTEDERROR	30	10
CNZCONVRC4_CONDITIONALLYOK	30	4
CNZCONVRC8_SPECIFICATIONERROR	30	8
CNZCONVRSNC01_NOTAVAILABLE	30	C01
CNZCONVRSNC02_INCORRECTENV	30	C02
CNZCONVRSN1001_SEVEREERROR	30	1001
CNZCONVRSN401_IDNOTFOUND	30	401
CNZCONVRSN402_NAMENOTFOUND	30	402
CNZCONVRSN403_NAMEISRESERVED	30	403
CNZCONVRSN801_BADPLISTVER	30	801
CNZCONVRSN802_EXTRANEIOUSINPUT	30	802
CNZCONVRSN803_INCOMPLETEARGS	30	803
CNZCONVRSN804_NAMEINVALIDSYNTAX	30	804
CNZCONVRSN805_RSVSPACENOTZERO	30	805
CONV	0	
CONVACRO	0	
CONVAREA	12	
CONVCHRS	30	D6D5E5
CONVCLAS	1C	
CONVCNUM	1D	
CONVCONRETC_INCORRECTCONSOLEID	30	C
CONVCONRET0_CONSOLEACTIVE	30	0
CONVCONRET1C_TOOMUCHINPUT	30	1C
CONVCONRET10_NOTAVAILABLE	30	10

Name	Hex Offset	Hex Value
CONVCONRET14_IBMDIAGNOSTIC	30	14
CONVCONRET18_NOINPUTSPECIFIED	30	18
CONVCONRET20_BADACRONYM	30	20
CONVCONRET24_HOLDINGLOCKS	30	24
CONVCONRET28_INCORRECTENV	30	28
CONVCONRET4_CONSOLEINACTIVE	30	4
CONVCONRET8_CONSOLENAMENOTFOUND	30	8
CONVCONRSNC_AREAIDINVALID	30	C
CONVCONRSNC_NAMEISRESERVED	30	C
CONVCONRSN0_AREAIDVALID	30	0
CONVCONRSN0_BADNAME	30	0
CONVCONRSN10_AREAIDWRONGLENGTH	30	10
CONVCONRSN8_INVALIDSYNTAX	30	8
CONVFLD	8	
CONVFLGS	5	
CONVGFLG	20	
CONVGLEN	30	34
CONVID	1C	
CONVNAME	14	
CONVNPARG	20	80
CONVPFLD	5	80
CONVPID	5	40
CONVPLEN	30	30
CONVPTR	30	
CONVRID	30	2
CONVRSN	13	
CONVRSV1	6	
CONVRSV3	21	
CONVSMCS	20	40
CONVSP41	30	1
CONVSYSN	28	
CONVVRSD	4	
CONV7730	30	2

CPAB Information

CPAB Heading Information

Common Name: Cell Pool Anchor Block
Macro ID: IHACPAB
DSECT Name: CPAB
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: CPAB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Any valid subpool and its associated protection key
 Key: User specified
Size: 32 bytes
Created by: NIP initialization and IEAVBLDP (build cell pool)
Pointed to by: User (first 32 bytes of the GETMAINED area)
 PFSTCPAD field of the GDA data area
Serialization: Provided by user.
Function: Used to define a pre-allocated pool of cells for the get and free quick cell services.

CPAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPAB	
0	(0)	SIGNED	4	CPABCPID	CPID FOR THIS POOL (ADDRESS OF THE ORIGINAL CPAB IN AN EXTENSION CPAB)
4	(4)	SIGNED	4	CPABCSZE	SIZE OF EACH CELL
8	(8)	SIGNED	4	CPABDEQC	COUNT OF NUMBER OF CELLS CURRENTLY ALLOCATED FROM THIS POOL SEGMENT.
12	(C)	SIGNED	4	CPABFACP	FIRST AVAILABLE CELL POINTER
16	(10)	SIGNED	4	CPABFLGW (0)	FLAG AND COUNT WORD (USED FOR LOCKING A SEGMENT)
16	(10)	CHARACTER	1	CPABSPID	SUBPOOL NUMBER OF POOL (ZERO IN EXTENSION CPABE)
17	(11)	BITSTRING	1	CPABFLGS	FLAGS
		1...		NIPBLDCP	"X'80" ORIGINAL POOL WAS CREATED DURING NIP AND CANNOT BE DELETED
		.1..		BLDDWORD	"X'40" CELLS IN THIS POOL MUST BE ALIGNED ON A DOUBLE WORD BOUNDARY.
		..1.		ADELCAND	"X'20" THIS EXTENT IS A CANDIDATE FOR AUTOMATIC DELETION
		...1		CPABEXTN	"X'10" FLAGS AN ORIGINAL CPAB (0) OR AN EXTENSION CPAB (1)
		.... 1...		DELETELK	"X'08" THIS SEGMENT IS IN THE PROCESS OF BEING DELETED
		.... .1..		SERIAL	"X'04" CALLER HAS GUARANTEED SERIALIZATION
18	(12)	SIGNED	2	CPABUSE#	COUNT OF CONCURRENT OPERATIONS ON THIS SEGMENT
20	(14)	SIGNED	4	CPABSTAD	START ADDRESS OF THIS POOL SEGMENT
24	(18)	SIGNED	4	CPABENAD	END ADDRESS OF THIS POOL SEGMENT
28	(1C)	SIGNED	4	CPABNXTP	PTR TO NEXT CPABE/0
32	(20)	CHARACTER	1	CPABEND (0)	CPAB END
32	(20)	X'20'	0	CPABLEN	"CPABEND-CPAB" LENGTH OF THE CPAB

CPAB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADELCAND	11	20	NIPBLDCP	11	80
BLDDWORD	11	40	SERIAL	11	4
CPAB	0				
CPABCPID	0				
CPABCSZE	4				
CPABDEQC	8				
CPABENAD	18				
CPABEND	20				
CPABEXTN	11	10			
CPABFACP	C				
CPABFLGS	11				
CPABFLGW	10				
CPABLEN	20	20			
CPABNXTP	1C				
CPABSPID	10				
CPABSTAD	14				
CPABUSE#	12				
DELETELK	11	8			

CPMT Information

CPMT Heading Information

Common Name: CHANNEL PATH MEASUREMENT TABLE
Macro ID: IRACPMT
DSECT Name: IRACPMT
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: CPMT
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: ESQA
 Subpool: 245
 Residency: ABOVE 16M LINE
Size: 12 + 12 X (NUMBER OF CHANNEL PATHS)
Created by: IEAVNP1F
Pointed to by: THE ADDRESS OF THE CPMT IS CONTAINED
 IN THE -CMCTCPMT- FIELD OF THE CHANNEL MEASUREMENT
 CONTROL TABLE
Serialization: SRM LOCK
Function: THE CPMT IS USED BY THE SYSTEM RESOURCES
 MANAGER TO MONITOR THE ACTIVITY ON THE CHANNEL PATHS.

CPMT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	CPMT	
0	(0)	CHARACTER	12	CPMTHDR	
0	(0)	CHARACTER	4	CPMTNAME	ACRONYM 'CPMT'
4	(4)	UNSIGNED	4	CPMTSAMB	STCPS OR SAD SAMPLE COUNT BASE
8	(8)	UNSIGNED	4	CPMTSAMP	STCPS OR SAD SAMPLE COUNT NORMALIZED
12	(C)	CHARACTER	12	CPMTNTRY (*)	ARRAY OF ENTRIES - ONE PER CHPID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	CPMTENTY	MAPPING FOR EACH ENTRY
0	(0)	UNSIGNED	4	CPMTBUSB	NUMBER OF TIMES BUSY BASE
4	(4)	UNSIGNED	4	CPMTBUSY	NUMBER OF TIMES BUSY NORMALIZED
8	(8)	SIGNED	2	CPMTUTIL	AGED PERCENT PATH BUSY (PATH UTILIZATION) - PATH OFFLINE IF LESS THAN ZERO
10	(A)	CHARACTER	2	CPMTRSV1	RESERVED

CPMT Cross Reference

Name	Hex Offset	Hex Value
CPMT	0	
CPMTBUSB	0	
CPMTBUSY	4	
CPMTENTY	0	
CPMTHDR	0	
CPMTNAME	0	
CPMTNTRY	C	
CPMTRSV1	A	
CPMTSAMB	4	
CPMTSAMP	8	
CPMTUTIL	8	

CQE Information

CQE Heading Information

Common Name: Console Queue Element
Macro ID: IEZVD001
DSECT Name: CQE
Owning Component: Console Services (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Main Storage: 31-bit
 Subpool: 230
 Key: 0
Size: 408 bytes
Created by: IEAVVINT creates the cellpool
 IEAVMWSV obtains cells, expands pool
Pointed to by: UCMOUTQ of the UCM Data Area
Serialization: Local and CMS locks
Function: Mapping of the Console Queue Element.
 Contains information about messages
 queued to go to particular consoles.

CQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	408	CQE	
0	(0)	CHARACTER	8	CQE_ENTRY	CQE ENTRY
0	(0)	BITSTRING	1	CQEFLAG	CONSOLE OUTPUT QUEUE FLAGS
		11..		CQEEOB	END OF CQE BLOCK WHEN BOTH ON
		1...		CQEEOQ	LAST ENTRY ON QUEUE
		.1..		*	NEVER ON ALONE
		..1.		*	RESERVED
		...1		*	Reserved.
		.... 1...		*	Reserved.
		.... .1..		CQEMAJOR	WQE IS MAJOR FOR MLWTO
		.... ..1.		CQEAVAIL	THIS ENTRY NO LONGER NEEDED
		.... ...1		CQEENTR	ENTRY EXISTS
1	(1)	CHARACTER	3	*	Reserved
4	(4)	ADDRESS	4	CQEWQEA	Pointer to WQE or next CQE block
8	(8)	CHARACTER	8	*	Space holder for next 49 entries (188x = 392 bytes)
				(4294967345:562114824)	
400	(190)	CHARACTER	8	CQE_LAST_ENTRY	
					Last entry which is pointer to next CQE
400	(190)	BITSTRING	1	CQEEND	FLAGS FOR LAST CQE ENTRY
401	(191)	CHARACTER	3	*	Reserved
404	(194)	ADDRESS	4	CQEENDA	ADDR OF NEXT CQE

CQE Constants

Len	Type	Value	Name	Description
4	DECIMAL		CQELENG	CQE BLOCK LENGTH
2	DECIMAL		CQESP	Console Private NonFetchProtect
0	BIT	11	KCQEEOB	End of CQE block indicator
4	DECIMAL		CNZ_KNUM_CQES_PER_BLOCK	

CQE Cross Reference

CQE Cross Reference

Name	Hex Offset	Hex Value
CQE	0	
CQE_ENTRY	0	
CQE_LAST_ENTRY		
	190	
CQEAVAIL	0	02
CQEEND	190	
CQEENDA	194	
CQEENTR	0	01
CQEEOB	0	C0
CQEEOQ	0	80
CQEFLAG	0	
CQEMAJOR	0	04
CQEWQEA	4	

CRGASM Information

CRGASM Programming Interface information

Programming Interface information

CRGASM

End of Programming Interface information

CRGASM Heading Information • CRGASM Map

CRGASM Heading Information

Common Name: Registration Services ASM Declares
Macro ID: CRGASM
DSECT Name: CRGGRMPARMLIST CRGSEIFPARMLIST CRGRRMDPARMLIST CRGDRMPARMLIST CRGXPPARMLIST
Owning Component: Context Services (SCCTX)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: N/A
 Data Space: N/A
 Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: CRGASM defines Registration Service constants, external entries, and parameter list DSECTS for programs written in the 390 ASM language.

CRGASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRGGRMPARMLIST	
0	(0)	ADDRESS	4	CRGGRMRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGGRMRESOURCEMANAGERNAMEPTR	RM Name Address
8	(8)	ADDRESS	4	CRGGRMRESOURCEMANAGERTOKENPTR	RM Token Address
12	(C)	ADDRESS	4	CRGGRMUNREGISTEROPTIONPTR	Unregister Option Address
16	(10)	ADDRESS	4	CRGGRMRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRGSEIFPARMLIST	
0	(0)	ADDRESS	4	CRGSEIFRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGSEIFRESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CRGSEIFNOTIFICATIONEXITYPEPTR	Notification Exit Type Address
12	(C)	ADDRESS	4	CRGSEIFNOTIFICATIONEXITENTRYPTR	Notification Exit Entry Address
16	(10)	ADDRESS	4	CRGSEIFEXITMANAGERNAMEPTR	EM Name Address
20	(14)	ADDRESS	4	CRGSEIFEXITCOUNTPTR	Exit Count Address
24	(18)	ADDRESS	4	CRGSEIFEXITNUMBERARRAYPTR	Exit Number Array Address
28	(1C)	ADDRESS	4	CRGSEIFEXITENTRYARRAYPTR	Exit Entry Array Address
32	(20)	ADDRESS	4	CRGSEIFEXITTYPEARRAYPTR	Exit Type Array Address
36	(24)	ADDRESS	4	CRGSEIFVARIABLEDATA1PTR	Variable Data 1 Address
40	(28)	ADDRESS	4	CRGSEIFVARIABLEDATA2PTR	Variable Data 2 Address
44	(2C)	ADDRESS	4	CRGSEIFVARIABLEDATA3PTR	Variable Data 3 Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRGSEIF1PARMLIST	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	ADDRESS	4	CRGSEIF1RETURNCODEPTR	Return Code Address !
4	(4)	ADDRESS	4	CRGSEIF1RESOURCEMANAGERTOKENPTR	RM Token Address !
8	(8)	ADDRESS	4	CRGSEIF1NOTIFICATIONEXITYPEPTR	Notification Exit Type Address !
12	(C)	ADDRESS	4	CRGSEIF1NOTIFICATIONEXITENTRYPTR	Notification Exit Entry Address !
16	(10)	ADDRESS	4	CRGSEIF1EXITMANAGERNAMEPTR	EM Name Address !
20	(14)	ADDRESS	4	CRGSEIF1EXITCOUNTPTR	Exit Count Address !
24	(18)	ADDRESS	4	CRGSEIF1EXITNUMBERARRAYPTR	Exit Number Array Address!
28	(1C)	ADDRESS	4	CRGSEIF1EXITENTRYARRAYPTR	Exit Entry Array Address !
32	(20)	ADDRESS	4	CRGSEIF1EXITYPEARRAYPTR	Exit Type Array Address !
36	(24)	ADDRESS	4	CRGSEIF1VARIABLEDATA1PTR	Variable Data 1 Address !
40	(28)	ADDRESS	4	CRGSEIF1VARIABLEDATA2PTR	Variable Data 2 Address !
44	(2C)	ADDRESS	4	CRGSEIF1VARIABLEDATA3PTR	Variable Data 3 Address !

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRGRRMDPARMLIST	
0	(0)	ADDRESS	4	CRGRRMDRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGRRMDRESOURCEMANAGERNAMEPTR	RM Name Address
8	(8)	ADDRESS	4	CRGRRMDRESOURCEMANAGERTOKENPTR	RM Token Address
12	(C)	ADDRESS	4	CRGRRMDRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRGDRMPARMLIST	
0	(0)	ADDRESS	4	CRGDRMRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGDRMRESOURCEMANAGERTOKENPTR	RM Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRG4GRMPARMLIST	
0	(0)	ADDRESS	8	CRG4GRMRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4GRMRESOURCEMANAGERNAMEPTR	RM Name Address
16	(10)	ADDRESS	8	CRG4GRMRESOURCEMANAGERTOKENPTR	RM Token Address
24	(18)	ADDRESS	8	CRG4GRMUNREGISTEROPTIONPTR	Unregister Option Address
32	(20)	ADDRESS	8	CRG4GRMRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRG4SEIFPARMLIST	

CRGASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	ADDRESS	8	CRG4SEIFRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4SEIFRESOURCEMANAGERTOKENPTR	RM Token Address
16	(10)	ADDRESS	8	CRG4SEIFNOTIFICATIONEXITYPEPTR	Notification Exit Type Address
24	(18)	ADDRESS	8	CRG4SEIFNOTIFICATIONEXITENTRYPTR	Notification Exit Entry Address
32	(20)	ADDRESS	8	CRG4SEIFEXITMANAGERNAMEPTR	EM Name Address
40	(28)	ADDRESS	8	CRG4SEIFEXITCOUNTPTR	Exit Count Address
48	(30)	ADDRESS	8	CRG4SEIFEXITNUMBERARRAYPTR	Exit Number Array Address
56	(38)	ADDRESS	8	CRG4SEIFEXITENTRYARRAYPTR	Exit Entry Array Address
64	(40)	ADDRESS	8	CRG4SEIFEXITTYPEARRAYPTR	Exit Type Array Address
72	(48)	ADDRESS	8	CRG4SEIFVARIABLEDATA1PTR	Variable Data 1 Address
80	(50)	ADDRESS	8	CRG4SEIFVARIABLEDATA2PTR	Variable Data 2 Address
88	(58)	ADDRESS	8	CRG4SEIFVARIABLEDATA3PTR	Variable Data 3 Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRG4RRMDPARMLIST	
0	(0)	ADDRESS	8	CRG4RRMDRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4RRMDRESOURCEMANAGERNAMEPTR	RM Name Address
16	(10)	ADDRESS	8	CRG4RRMDRESOURCEMANAGERTOKENPTR	RM Token Address
24	(18)	ADDRESS	8	CRG4RRMDRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRG4DRMPARMLIST	
0	(0)	ADDRESS	8	CRG4DRMRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4DRMRESOURCEMANAGERTOKENPTR	RM Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CRGXPPARMLIST	
0	(0)	ADDRESS	4	CRGXPRETURNCODEPTR	Exit Return Code Address
4	(4)	ADDRESS	4	CRGXPEXITVERSIONPTR	Exit Parameter List Version Number
8	(8)	ADDRESS	4	CRGXPEXITNUMBERPTR	Exit Number Address
12	(C)	ADDRESS	4	CRGXPRESOURCEMANAGERTOKENPTR	Resource Manager Token Address
16	(10)	ADDRESS	4	CRGXPREGSERVEXITMANAGERNAMEPTR	Registration Services Exit Manager Name Address
20	(14)	ADDRESS	4	CRGXPRESOURCEMANAGERGLOBALDATAPTR	Resource Manager Global Data Address
24	(18)	ADDRESS	4	CRGXPEXITMANAGERNAMEPTR	Exit Manager Name Address
28	(1C)	ADDRESS	4	CRGXPPVALUE1PTR	Value 1 Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	ADDRESS	4	CRGXPVALUE2PTR	Value 2 Address
36	(24)	ADDRESS	4	CRGXPVALUE3PTR	Value 3 Address
40	(28)	ADDRESS	4	CRGXPVALUE4PTR	Value 4 Address
44	(2C)	ADDRESS	4	CRGXPVALUE5PTR	Value 5 Address

CRGASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CRGDRMPARMLIST	0		CRGSEIF1EXITNUMBERARRAYPTR	18	
CRGDRMRESOURCEMANGERTOKENPTR	4		CRGSEIF1EXITTYPEARRAYPTR	20	
CRGDRMRETURNCODEPTR	0		CRGSEIF1NOTIFICATIONEXITENTRYPTR	C	
CRGGRMPARMLIST	0		CRGSEIF1NOTIFICATIONEXITYPEPTR	8	
CRGGRMRESOURCEMANAGERGLOBALDATAPTR	10		CRGSEIF1PARMLIST	0	
CRGGRMRESOURCEMANGERTOKENPTR	4		CRGSEIF1RESOURCEMANGERTOKENPTR	4	
CRGGRMRETURNCODEPTR	8		CRGSEIF1RETURNCODEPTR	0	
CRGGRMUNREGISTEROPTIONPTR	C		CRGSEIF1VARIABLEDATA1PTR	24	
CRGRRMDPARMLIST	0		CRGSEIF1VARIABLEDATA2PTR	28	
CRGRRMDRESOURCEMANAGERGLOBALDATAPTR	C		CRGSEIF1VARIABLEDATA3PTR	2C	
CRGRRMDRESOURCEMANGERTOKENPTR	4		CRGXPEXITMANGERTOKENPTR	18	
CRGRRMDRETURNCODEPTR	8		CRGXPEXITNUMBERPTR	8	
CRGSEIFEXITCOUNTPTR	14		CRGXPPARMLIST	0	
CRGSEIFEXITENTRYARRAYPTR	1C		CRGXPREGSERVEXITMANGERTOKENPTR	10	
CRGSEIFEXITMANGERTOKENPTR	10		CRGXPRESOURCEMANGERTOKENPTR	14	
CRGSEIFEXITNUMBERARRAYPTR	18		CRGXPRESOURCEMANGERTOKENPTR	C	
CRGSEIFEXITYPEARRAYPTR	20		CRGXPRETURNCODEPTR	0	
CRGSEIFNOTIFICATIONEXITENTRYPTR	C		CRGXPVALUE1PTR	1C	
CRGSEIFNOTIFICATIONEXITYPEPTR	8		CRGXPVALUE2PTR	20	
CRGSEIFPARMLIST	0		CRGXPVALUE3PTR	24	
CRGSEIFRESOURCEMANGERTOKENPTR	4		CRGXPVALUE4PTR	28	
CRGSEIFRETURNCODEPTR	0		CRGXPVALUE5PTR	2C	
CRGSEIFVARIABLEDATA1PTR	24		CRGXPVERSIONPTR	4	
CRGSEIFVARIABLEDATA2PTR	28		CRG4DRMPARMLIST	0	
CRGSEIFVARIABLEDATA3PTR	2C		CRG4DRMRESOURCEMANGERTOKENPTR	8	
CRGSEIF1EXITCOUNTPTR	14		CRG4DRMRETURNCODEPTR	0	
CRGSEIF1EXITENTRYARRAYPTR	1C		CRG4GRMPARMLIST	0	
CRGSEIF1EXITMANGERTOKENPTR	10		CRG4GRMRESOURCEMANGERTOKENPTR	20	
			CRG4GRMRESOURCEMANGERTOKENPTR	8	
			CRG4GRMRESOURCEMANGERTOKENPTR	10	

CRGASM Cross Reference

Name	Hex Offset	Hex Value
CRG4GRMRETURNCODEPTR	0	
CRG4GRMUNREGISTEROPTIONPTR	18	
CRG4RRMDPARMLIST	0	
CRG4RRMDRESOURCEMANAGERGLOBALDATAPTR	18	
CRG4RRMDRESOURCEMANAGERNAMEPTR	8	
CRG4RRMDRESOURCEMANAGERTOKENPTR	10	
CRG4RRMDRETURNCODEPTR	0	
CRG4SEIFEXITCOUNTPTR	28	
CRG4SEIFEXITENTRYARRAYPTR	38	
CRG4SEIFEXITMANAGERNAMEPTR	20	
CRG4SEIFEXITNUMBERARRAYPTR	30	
CRG4SEIFEXITYPEARRAYPTR	40	
CRG4SEIFNOTIFICATIONEXITENTRYPTR	18	
CRG4SEIFNOTIFICATIONEXITYPEPTR	10	
CRG4SEIFPARMLIST	0	
CRG4SEIFRESOURCEMANAGERTOKENPTR	8	
CRG4SEIFRETURNCODEPTR	0	
CRG4SEIFVARIABLEDATA1PTR	48	
CRG4SEIFVARIABLEDATA2PTR	50	
CRG4SEIFVARIABLEDATA3PTR	58	

CRW Information

CRW Heading Information

Common Name: CRW - Channel Report Word
Macro ID: IHACRW
DSECT Name: CRW
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: none
Storage Attributes: Subpool: 245
 Key: 0
Size: 4 bytes
Created by: IOSRACRW when obtaining hardware pending CRWs and modules that create software CRWs.
Pointed to by: The CRW is contained in field CRWQCRW of the CRWQ area.
Serialization: None
Function: The CRW maps the hardware defined channel error-related information used by I/O recovery.

CRW Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	CRW	
		1...		*	Reserved
		.1..		CRWS	S flag
		..1.		CRWR	CRW overflow condition
		...1		CRWC	Additional CRW's chained
		.... 1111		CRWRSC	Reporting Source Code
1	(1)	1...		CRWA	Ancillary-Report bit
		.1..		CRWI	Image
		..11 1111		CRWERC	Error Recovery Code
2	(2)	UNSIGNED	2	CRWRSID	Reporting Source Identifier
2	(2)	UNSIGNED	2	CRWRSSCH	Subchannel number
2	(2)	UNSIGNED	1	CRWRSCSS	Channel subsystem image id
3	(3)	UNSIGNED	1	CRWRSCHP	Channel path ID
		11..		*	Reserved
		..11		CRWRSSID	Subchannel set id
		.... 1...		*	Reserved
		.... .111		CRWRSISC	Interrupt Subclass

CRW Constants

Len	Type	Value	Name	Description
Comment				
Constants associated with CRWRSC - Reporting Source Code				
End of Comment				
0	BIT	0010	CRWMF	Monitoring facility
0	BIT	0011	CRWSCH	Subchannel Recovery
0	BIT	0100	CRWCHPID	Channel Path ID
0	BIT	1001	CRWCAF	Configuration-alert facility
0	BIT	1011	CRWCHSUB	Channel Subsystem
Comment				
Constants associated with CRWERC - Error Recovery Code				
End of Comment				
0	BIT	000000	CRWINFOP	Event-Information pending
0	BIT	000001	CRWAVAIL	Available state
0	BIT	000010	CRWINIT	Initialized state
0	BIT	000011	CRWTEMP	Temporary error
0	BIT	000100	CRWIINIT	Installed parameters initialized
0	BIT	000101	CRWTERM	Terminal
0	BIT	000110	CRWPERMN	Permanent error with facility not initialized
0	BIT	000111	CRWPERMI	Permanent error with facility initialized
0	BIT	001000	CRWIPM	Installed parameters modified

CRW Cross Reference

Len	Type	Value	Name	Description
0	BIT	001001	CRWISOL	The identified facility is in the isolated state
0	BIT	001010	CRWIPR	Installed parameters restored

Comment

Constants associated with CRWERC - Software Generated

End of Comment

0	BIT	111111	CRWFCHP	Force CHP- offline
0	BIT	111110	CRWHREC	HOT CHP- Recover CHP
0	BIT	111101	CRWHOFF	HOT CHP- Force CHP
0	BIT	111100	CRWRSTE	Reset Notification
0	BIT	111011	CRWLERC	Link error recovery

CRW Cross Reference

Name	Hex Offset	Hex Value
CRW	0	
CRWA	1	80
CRWC	0	10
CRWERC	1	3F
CRWI	1	40
CRWR	0	20
CRWRSC	0	0F
CRWRSCHP	3	
CRWRSCSS	2	
CRWRSID	2	
CRWRSISC	3	07
CRWRSSCH	2	
CRWRSSID	3	30
CRWS	0	40

CRWQ Information

CRWQ Heading Information

Common Name: Channel Recovery Word Queuing Element
Macro ID: IOSDCRWQ
DSECT Name: CRWQ
Owning Component: IOS (SC1C3)
Eye-Catcher ID: CRWQ
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: YES
 Virtual Storage: n/a
 Auxiliary Storage: n/a
 Subpool: 245
 Key: 0
 Residency: Above 16MB line
Size: 420 bytes.
Created by: IOSRACRW when obtaining the hardware pending CRWs. By IOS modules when they create software CRWs.
Pointed to by: CHRCHPCR field of the CHRB data area for channel path CRWs.
Serialization: For Subchannel Recovery, the UCB lock. For channel path, the channel path IOS SYNCH lock.
Function: The CRWQ contains all the data and pointers needed by IOS modules to perform Subchannel and Channel Path recovery.

CRWQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	436	CRWQ	
0	(0)	CHARACTER	48	CRWQFLD1	
0	(0)	CHARACTER	4	CRWQID	Acronym ('CRWQ')
4	(4)	ADDRESS	4	CRWQNEXT	Pointer to next CRWQ
8	(8)	CHARACTER	4	CRWQCRW	CRW
12	(C)	SIGNED	4	CRWQSQNO	Sequence number of this CRW
16	(10)	CHARACTER	8	CRWQASCR	Associated CRW data
				(4294967299:562115872)	
16	(10)	SIGNED	4	CRWQASNO	Associated sequence number
20	(14)	CHARACTER	4	CRWQDATA	Additional data - module usage
40	(28)	BITSTRING	1	CRWQFLG1	Flag byte
		1... ..		CRWQSIML	If ON, simulated CRW
		.1... ..		CRWQSOFT	If ON, the CRW in CRWQCRW is a software generated CRW. The ERC (CRWERC) field is defined by the constants in this mapping macro.
		..1... ..		CRWQHUNG	If ON, the CRWQDATA(1) field contains a related CRW.
		...1... ..		CRWQSCBV	If ON, the CRWQSCIB field contains valid SCHIB data.
		.... 1... ..		CRWQECBA	If ON, the CRWQFECB field contains an ECB address.
		.... .1.. ..		CRWQSCHW	If ON, a subchannel recovery process, described by this CRWQ, is waiting for the completion of channel path recovery.
		.... ..1. ..		CRWQUCBV	If ON, the CRWQUCBA field contains the address of the UCB corresponding to the subchannel identified by the CRW in CRWQDATA.
		.... ...1 ..		CRWQCMP	If ON, this CRWQ has been processed.
41	(29)	UNSIGNED	1	CRWQSP	Subpool of CRWQE
42	(2A)	SIGNED	2	CRWQLENG	Length of CRWQE
44	(2C)	BITSTRING	1	CRWQFLG2	Flag byte
		1... ..		CRWQNCON	State of UCBNOCON
		.1... ..		CRWQMSG	Message must be issued for software CRW
		..1... ..		CRWQTHRD	If the CRWQ element represents a software generated CRW, this bit indicates that the CRW should be treated like a hardware generated CRW.
		...1... ..		CRWQASC2	If ON, the CRWQDATA(2) field contains a related CRW.
		.... 1... ..		CRWQASC3	If ON, the CRWQDATA(3) field contains a related CRW.
		.... .111 ..		*	Reserved
45	(2D)	CHARACTER	1	CRWQRSV1	Reserved
46	(2E)	ADDRESS	2	CRWQCP	Processor address CRW retrieved on
48	(30)	CHARACTER	256	CRWQWORK	256 byte work area
304	(130)	CHARACTER	44	CRWQSRB	SRB
348	(15C)	CHARACTER	52	CRWQFLD2	Recovery dependent data field
348	(15C)	CHARACTER	52	CRWQSCIB	SCHIB data for subchannel recovery
348	(15C)	CHARACTER	28	CRWQCHPA	CHPA data for channel path recovery

CRWQ Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
376	(178)	ADDRESS	4	CRWQUCBA	UCB common segment address - matches subchannel in CRW in CRWQDATA
400	(190)	CHARACTER	4	CRWQFECB	ECB address
404	(194)	ADDRESS	4	CRWQASCB	ASCB for ECB (zero if masters address space is to be posted)
408	(198)	CHARACTER	12	CRWQLEIB	Link error information data
420	(1A4)	CHARACTER	8	CRWQPIN	Pin token for UCB
428	(1AC)	CHARACTER	8	CRWQSTKN	STOKEN for software CRWs that require cross mememory post

CRWQ Cross Reference

Name	Hex Offset	Hex Value
CRWQ	0	
CRWQASCB	194	
CRWQASCR	10	
CRWQASC2	2C	10
CRWQASC3	2C	08
CRWQASNO	10	
CRWQCHPA	15C	
CRWQCMPPL	28	01
CRWQCP	2E	
CRWQCRW	8	
CRWQDATA	14	
CRWQECBA	28	08
CRWQFECB	190	
CRWQFLD1	0	
CRWQFLD2	15C	
CRWQFLG1	28	
CRWQFLG2	2C	
CRWQHUNG	28	20
CRWQID	0	
CRWQLEIB	198	
CRWQLENG	2A	
CRWQMSG	2C	40
CRWQNCON	2C	80
CRWQNEXT	4	
CRWQPIN	1A4	
CRWQRSV1	2D	
CRWQSCBV	28	10
CRWQSCHW	28	04
CRWQSCIB	15C	
CRWQSIML	28	80
CRWQSOFT	28	40
CRWQSP	29	
CRWQSQNO	C	
CRWQSRB	130	
CRWQSTKN	1AC	
CRWQTHRD	2C	20
CRWQUCBA	178	
CRWQUCBV	28	02
CRWQWORK	30	

CSCB Information

CSCB Heading Information

Common Name:	COMMAND SCHEDULING CONTROL BLOCK
Macro ID:	IEECHAIN
DSECT Name:	CHAIN
Owning Component:	Master Scheduler (SC1B8)
Eye-Catcher ID:	CSCB for the CSCB CSCX for the CSCB extension Offset: CSCB: 216 CSCX: 0 Length: CSCB: 4 CSCX: 4
Storage Attributes:	Subpool: 241 for the CSCB, 245 for the CSCX Key: 0 Residency: The CSCB is above the 16M line by default, but may be specified as below the 16M line during system initialization. The CSCX is below the 16M line.
Size:	256 bytes for the CSCB 36 bytes for the CSCX
Created by:	Callers of the GETCSCB service.
Pointed to by:	ASCBSCB FIELD OF THE ASCB DATA AREA BACHN FIELD OF THE BASEA DATA AREA CHPTR FIELD OF THE CSCB DATA AREA CHPREVP FIELD OF THE CSCB DATA AREA CHCSCBP FIELD OF THE CSCX DATA AREA JSCBSCB FIELD OF THE JSCB DATA AREA LCTQDRTY FIELD OF THE LCT DATA AREA
Serialization:	ENQ on major SYSIEFSD minor Q10
Function:	Contains run time job description data passed to command execution routines from command scheduling routines.

CSCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	256	CHAIN	
0	(0)	ADDRESS	4	CHPTR	CHAIN PTR TO NEXT CSCB
4	(4)	CHARACTER	4	CHFLG	FOUR BYTES
4	(4)	CHARACTER	1	CHVCD	COMMAND VERB CODE - FOR DIRECT COMMAND INVOCATION SEE CHDIRINV
5	(5)	ADDRESS	1	CHSIZE	SIZE OF THIS CSCB IN DOUBLE WORDS
6	(6)	CHARACTER	1	CHSTS	STATUS FLAGS
		1... ..		CHAP	ASSIGNMENT PENDING
		.1.		CHINFMT	CSCB IN PRE-INTERPRETATION (INPUT) FORMAT
		..1.		CHSOUT	CANCEL ALL SYSOUT
		...1		CHQSPC	INSUFFICIENT Q SPACE FOR 422 ABEND
		.... 1..		CHAD	ADD THIS CSCB TO CHAIN
		.... .1.		CHDL	DELETE THIS CSCB FROM CHAIN
		.... ..1.		CHFC	FREE THIS CSCB'S CORE
		.... ...1		CHABTERM	EXECUTE BRANCH ENTRY TO ABTERM
7	(7)	CHARACTER	1	CHACT	FLAGS INDICATING ACTIVITY INVOLVED
		1... ..		CHSWAP	SWAPPABLE JOB
		.1.		CHTERM	TERMINAL JOB
		..1.		CHDISC	CANCEL IMPLIES DISCONNECT
		...1		CHDSI	ON MEANS NO DATA SET INTEGRITY (OS/VS1) MDC045
		.... 1..		CHCL	CANCELABLE JOB STEP
		.... .1.		CHCLD	CANCEL COMMUNICATION SWITCH
		.... ..1.		CHAIFX	CANCELABLE (OS/VS1)
		.... ..1.		CHPOSTSS	POST EARLY ADDRESS SPACE (MDC313)
		.... ...1		CHIFY	SYSTEM ASSIGNED PROCEDURE (OS/VS1)
		.... ...1		CHAFFORCE	CANCEL ISSUED FOR THIS CSCB (FORCE COMMAND CAN BE ACCEPTED) (OS/VS2) (MDC301)
8	(8)	CHARACTER	8	CHKEY	1. ID OF A STARTED TASK (THIS ID IS THE TASK'S STEPNAME) 2. JOBNAME OF AN EXECUTED JOB. 3. Name of the ATX
8	(8)	ADDRESS	4	CHPARM	POINTER TO PARAMETER LIST USED FOR COMMUNICATION BETWEEN SVC 34 COMMANDS AND MASTER SCHEDULER TASK (OS/VS1) MDC040
		1... ..		CHPCOI	SUBSYSTEM COMMAND INDICATOR (MDC300)
16	(10)	CHARACTER	8	CHCLS	1.PROCNAME OF A STARTED TASK (THE PROCNAME IS THE TASK'S JOBNAME.) 2. JOBNAME OF AN EXECUTED JOB (SAME AS CHKEY)
24	(18)	CHARACTER	3	CHUNIT	UNITNAME (set for started tasks only) This field is not valid for 4-digit device numbers. Use CHUNIT4 instead

CSCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
27	(1B)	ADDRESS	1	CHCIBCTR	MAXIMAL NUMBER OF QUEUED CIB'S
28	(1C)	CHARACTER	1	CHPKC	PROTECT KEY (OS/VS1) ICB345
28	(1C)	CHARACTER	1	CHTRKID	CSCB TYPE IDENTIFIER
29	(1D)	CHARACTER	1	CHRSV3	Reserved - was CHUCMP (The 1-byte console id that issued the command) Use CHCNSIDI instead.
30	(1E)	SIGNED	2	CHTJID	TERMINAL ID (OS/VS1)
30	(1E)	SIGNED	2	CHASID	ADDRESS SPACE ID (ASID) (OS/VS2) MDC018
32	(20)	CHARACTER	8	CHPROCSN	PROCEDURE STEP NAME (OS/VS2) (MDC049) YM6960
32	(20)	SIGNED	2	CHQID	QID OF REMOTE USER (OS/VS1) ICB384
34	(22)	UNSIGNED	1	CHRES	RESERVED (WAS CHVERSN)
35	(23)	BITSTRING	1	CHACT1	COMMAND DEPENDENT FLAG BYTE (SEE END OF LISTING)
36	(24)	CHARACTER	4	CHRTOKIN	31 BIT RIGHT JUSTIFIED TOKEN (MDC313)
40	(28)	CHARACTER	144	CHASM	

Comment

BEGINNING OF OVERLAY SEGMENT
 BEGINNING OF CONTROL FORMAT MAPPING AFTER
 INTERPRETATION OF COMMAND OPERANDS

End of Comment

40	(28)	ADDRESS	4	CHRES1	RESERVED (WAS POINTER TO STOP MODIFY ECB)
44	(2C)	ADDRESS	4	CHRES2	RESERVED (WAS CIB PTR)
48	(30)	ADDRESS	4	CHRES0	RESERVED (WAS CHRTOKEN)
52	(34)	ADDRESS	4	CHRGNAD	STARTING ADDRESS OF REGION IF V=R (OS/VS2) MDC002
56	(38)	SIGNED	4	CHRES3	RESERVED (WAS STOP/MODIFY ECB)
60	(3C)	SIGNED	4	CHCECB	CANCEL ECB
64	(40)	CHARACTER	8	CHSTEP	STEPNAME (OS/VS2) (MDC050) YM6960
64	(40)	CHARACTER	1	CHSWT	COMMUNICATIONS SWITCHES (OS/VS1)
		1... ..		CHARSV20	RESERVED
		.1.. ..		CHJCT	READER RETURN WITH IN-CORE JCT
		..1.		CHPSD	WRITER PAUSE DATASET
		...1		CHPSF	WRITER PAUSE FORMS
		.... 1...		CHAC	ID SPECIFIED ON S COMMAND
		.... .1..		CHARSV21	RESERVED
		.... ..1.		CHARSV22	RESERVED
		.... ...1		CHARSV23	RESERVED
65	(41)	ADDRESS	3	CHTCB	TCB PTR (OS/VS1)
68	(44)	ADDRESS	4	CHSPB	TCB PTR FOR ABTERM (OS/VS1)
72	(48)	SIGNED	4	CHRGNSZ	JOB REGION SIZE IF V=R (OS/VS2) (MDC314)
76	(4C)	SIGNED	4	CHRSV40	RESERVED AFTER IEFSD161 (MDC314)
76	(4C)	ADDRESS	4	CHJCL	JCLS PTR -- IN-CORE JCT PTR -- DA JCT TTR (MDC314)
80	(50)	CHARACTER	104	*	PRESERVE DECLARE STRUCTURE
80	(50)	CHARACTER	4	CHRES4	RESERVED (WAS CHCSIDSH)
84	(54)	BITSTRING	4	CHRES8	RESERVED (WAS CHCMFLSH)
88	(58)	CHARACTER	28	*	
88	(58)	CHARACTER	28	*	RESERVED
116	(74)	SIGNED	4	CHSQA	YSOUT Q MANAGER PARAMETER AREA NOTE--THIS QMPA EXISTS IN (4294967305:562127706) OS/VS2 CSCB'S ONLY BEFORE INITIATOR JOB SELECT TIME.
152	(98)	SIGNED	4	*	TENTH WORD OF CHSQA (OS/VS1) RESERVED (OS/VS2) MDC022,MDC023
156	(9C)	SIGNED	4	*	ELEVENTH WORD OF CHSQA (OS/VS1) RESERVED (OS/VS2) MDC022,MDC024
160	(A0)	SIGNED	4	CHUSCVS	TIOT LENGTH (OS/VS1) MDC025
164	(A4)	ADDRESS	4	CHJSCBVS	JSCB POINTER (OS/VS1) MDC026
168	(A8)	ADDRESS	4	CHSAVWD1	START CMD. TEMP. S/A 1 (MDC311)
172	(AC)	SIGNED	4	CHSAVWD2	RESERVED (MDC314)
176	(B0)	BITSTRING	1	CHJBFLGS	FLAGS FOR STARTED JOBS
		1... ..		CHJBSTRT	JOBNAME= WAS SPECIFIED ON START COMMAND
		.1.. ..		CHISJOB	MEMBER BEING STARTED WAS A JOB
		..11 1111		CHJBRSV1	RESERVED
177	(B1)	CHARACTER	3	*	RESERVED
180	(B4)	BITSTRING	4	*	SAME AS FIELD CHCMFLGS
184	(B8)	CHARACTER	40	CHRESG	USED TO RETURN PROPER LENGTH
224	(E0)	CHARACTER	8	CHMEMNAM	MEMBER NAME STARTED WITH JOBNAME=
232	(E8)	CHARACTER	4	CHRESF	USED TO RETURN THE PROPER LENGTH FOR THE LENGTH FUNCTION
236	(EC)	CHARACTER	4	*	Do not use - maps chunit
240	(F0)	ADDRESS	4	*	Do not use-maps chstxta
244	(F4)	CHARACTER	12	CHRESH	Reserved

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	STRUCTURE	216	CHAINS01	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
Comment						
BEGINNING OF INPUT FORMAT MAPPING BEFORE INTERPRETATION OF COMMAND OPERANDS						
End of Comment						
40	(28)	CHARACTER	124	CHBUF	COMMAND IMAGE (OPERAND FIELD)	
40	(28)	ADDRESS	4	CHLOGOPS	Pointer to MCS LOGON or REPLY command operands. This pointer is valid when bit CH_CHLOGOPS_Valid is on	
164	(A4)	SIGNED	4	CHRIMWT	ECB FOR NIP RIM TO WAIT ON (MDC313)	
164	(A4)	CHARACTER	1	CHTYPE	FLAGS (MDC313)	
		1...		CHDSTAT	STATUS DISPLAY (SVC 104) CMD (MDC313)	
		.1.		CHARSV25	RESERVED (MDC313)	
		..1.		CHARSV26	RESERVED (MDC313)	
		...1		CHARSV27	RESERVED (MDC313)	
		.... 1..		CHARSV28	RESERVED (MDC313)	
		.... .1.		CHARSV29	RESERVED (MDC313)	
		.... ..1.		CHHIAR	ON MEANS H1 SPECIFIED ON COMMAND (MDC313)	
		.... ...1		CHDEF	ON MEANS DEFAULT TO H0 (MDC313)	
165	(A5)	CHARACTER	2	CHRSV4	Reserved - contained CHCNID (display/receiving console id) Use CHCNSIDT instead	
167	(A7)	CHARACTER	1	CHARID	DISPLAY SCREEN-AREA ID (MDC313)	
168	(A8)	ADDRESS	4	CHPEND	CHAIN PTR FOR PENDING START COMMANDS (OS/VS1)	
168	(A8)	SIGNED	4	CHASWT	ECB FOR INITIALIZATION TO WAIT ON	
172	(AC)	ADDRESS	2	CHINC	UNIQUE CTR FOR INTERPRETER OR FOR OS/VS2, COMMAND AUTHORITY FOR VARY COMMAND ISSUED FROM THE INPUT STREAM MDC047	
174	(AE)	CHARACTER	1	CHCSYSO	EXPRESS CANCEL SYSOUT(OS/VS1)	
		1...		CHALL	ALL SPECIFIED	
		.1.		CHINN	IN SPECIFIED	
		..1.		CHOUT	OUT SPECIFIED	
		...1		CHHOLD	HOLD Q SPECIFIED	
		.... 1..		CHQUE	SPECIFIC QUEUE	
		.... .1.		CHDUMP	DUMP SPECIFIED	
		.... ..1.		CHJB	END SCAN SWITCH	
		.... ...1		CHUSERID	INDICATES 'USER=' SPECIFIED ON CANCEL COMMAND (OS/VS1) ICB396	
175	(AF)	CHARACTER	1	CHSPA	OS/VS1 SYSTEM TASK CONTROL SWITCHES	
176	(B0)	CHARACTER	4	CHRES5	RESERVED (WAS CHCSCBID)	
Comment						
THE FOLLOWING FIELDS ARE COPIED DIRECTLY FROM THE SVC 34 XSA. THE FIELD NAMES ARE IDENTICAL EXCEPT FOR THE FIRST TWO CHARACTERS WHICH ARE XA IN THE XSA (MAPPED BY MACRO IEEXSA).						
End of Comment						
180	(B4)	BITSTRING	4	CHCMFLGS	COPY OF SVC34 COMMAND FLAGS	
180	(B4)	BITSTRING	2	CHCMFLGA	SEE XSA DESCRIPTION	
180	(B4)	BITSTRING	1	CHCMFLG1	SEE XSA DESCRIPTION	
		1...		CHCMF11	SEE XSA DESCRIPTION	
		.1.		CHCMF12	SEE XSA DESCRIPTION	
		..1.		CHCMF13	SEE XSA DESCRIPTION	
		...1		CHCMF14	SEE XSA DESCRIPTION	
		.... 1..		CHCMF15	SEE XSA DESCRIPTION	
		.... .1.		CHCMF16	SEE XSA DESCRIPTION	
		.... ..1.		CHCMF17	SEE XSA DESCRIPTION	
		.... ...1		CHCMF18	SEE XSA DESCRIPTION	
181	(B5)	BITSTRING	1	CHCMFLG2	SEE XSA DESCRIPTION	
		1...		CHCMF21	SEE XSA DESCRIPTION	
		.1.		CHCMF22	SEE XSA DESCRIPTION	
		..1.		CHCMF23	SEE XSA DESCRIPTION	
		...1		CHCMF24	SEE XSA DESCRIPTION	
		.... 1..		CHCMF25	SEE XSA DESCRIPTION	
		.... .1.		CHCMF26	SEE XSA DESCRIPTION	
		.... ..1.		CHCMF27	SEE XSA DESCRIPTION	
		.... ...1		CHCMF28	SEE XSA DESCRIPTION	
182	(B6)	BITSTRING	2	CHCMFLGB	SEE XSA DESCRIPTION	
182	(B6)	BITSTRING	1	CHCMFLG3	SEE XSA DESCRIPTION	
183	(B7)	BITSTRING	1	CHCMFLG4	SEE XSA DESCRIPTION	
		1...		*	SEE XSA DESCRIPTION	
		.1.		CHTJY	See XSA Description	
		..1.		*	See XSA Description	
		...1		CHCMFL44	SEE XSA DESCRIPTION	

CSCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		CHRTDM	SEE XSA DESCRIPTION
		.... 11..		*	Reserved
		.... ..1.		CHNOBY	See XSA description
		.... ...1		*	Reserved
Comment					
THE CHAUTH FIELD MUST BE EXACTLY MAPPED BY THE XAAUTH FIELD IN THE XSA (IEEXSA).					
End of Comment					
184	(B8)	CHARACTER	2	CHAUTH	COMMAND CODE AUTHORITY
184	(B8)	BITSTRING	1	CHAUTHA	1ST BYTE OF COMMAND CODE
		1...		CHAUTH1	COMMAND GROUP 1 (SYS)
		..1.		CHAUTH2	COMMAND GROUP 2 (I/O)
		...1		CHAUTH3	COMMAND GROUP 3 (CONS)
		...1 1111		*	RESERVED
185	(B9)	BITSTRING	1	CHAUTHB	2ND BYTE OF COMMAND CODE
Comment					
THE CHDISP FIELD MUST BE EXACTLY MAPPED BY THE XADISP FIELD IN THE XSA (IEEXSA).					
End of Comment					
186	(BA)	CHARACTER	1	CHDISP	AUTHORITY OF COMMAND
		1...		CHDISPA	COMMAND HAS MASTER AUTHORITY IBM RECOMMENDS THE USE OF CHDISPM INSTEAD OF CHDISPA THIS BIT NEVER CAN GO AWAY!
		..1.		CHDISPM	COMMAND HAS MASTER AUTHORITY
		...1		CHDISPC	COMMAND ISSUED FROM MCS CONSOLE
		.... 1...		CHDISPR	COMMAND ISSUED BEFORE RACF ACTIVE
		.... ..111		CHDISPE	COMMAND ISSUED BY ARM
		.... ..11		*	RESERVED
187	(BB)	CHARACTER	1	CHFLGS	FLAGS
		1...		CHPMSI	COMMAND WAS ISSUED BEFORE MSI COMPLETE
		..1.		CHBIGRP	BYPASS INITIATOR GET REGION PROCESSING
		...1		CHNOALC	Bypass setup of Allocation Environment
		...1		CHLEQUAL	L= was specified on command
		.... 1...		CH_CHLOGOPS_VALID	CHLOGOPS points to an operand buffer. CHBUF does NOT contain the operands
		.... ..1.		CHMAXRGN	Do not impose any limit on the region size
		.... ..11		*	RESERVED
188	(BC)	ADDRESS	4	CHUTOK	POINTER TO COMMAND ISSUER UTOKEN
192	(C0)	UNSIGNED	4	CHCNSIDT	TARGET CONSOLE ID
196	(C4)	UNSIGNED	4	CHCNSIDI	ISSUING CONSOLE ID
200	(C8)	CHARACTER	8	CHCART	COMMAND AND RESPONSE TOKEN (CART)
208	(D0)	UNSIGNED	1	CHLOFF	Offset in CHBUF to where L= was specified. Only valid if CHLEQUAL is set to ON
209	(D1)	UNSIGNED	1	CHVERSN	CSCB VERSION ID
210	(D2)	CHARACTER	2	CHRES7	RESERVED
212	(D4)	ADDRESS	4	CHPREVP	PREVIOUS CSCB POINTER
216	(D8)	CHARACTER	4	CHCSCBID	CSCB ACRONYM
220	(DC)	ADDRESS	4	CHCSCXP	POINTER TO THE CSCX
224	(E0)	CHARACTER	4	CHDITOKN	CALLERS TOKEN FOR DIRECT COMMAND INVOCATION
228	(E4)	UNSIGNED	4	CHOCID	ORIGINATING CONSOLE ID
232	(E8)	CHARACTER	4	CHRSV2	RESERVED
236	(EC)	CHARACTER	4	CHUNIT4	UNITNAME (SET FOR STARTED TASKS ONLY)
240	(F0)	ADDRESS	4	CHSTXTA	POINTER TO SCTS(IEEZB884)
244	(F4)	CHARACTER	8	CHOSYSN	Original issuing system name
252	(FC)	CHARACTER	4	CHRESV	Reserved
Comment					
END OF INPUT FORMAT MAPPING BEFORE INTERPRETATION OF COMMAND OPERANDS					
End of Comment					
256	(100)	CHARACTER	0	CHLAST	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
35	(23)	STRUCTURE 1... ..	1	CHVARY CHVDIENQ	VARY DEVICE AND CONSOLE FLAG BYTE PERFORM ENQS AND DEQ ON DIRECT INVOCATION OF VARY (VALID ONLY IF CHVCD=0)
		.1.		CHVSUNPM	SUPPRESS 'NO PATHS' MESSAGE
		..1.		CHSMSVL	VARY FOR SMS LIBRARY
		...1		CHVRSV2	RESERVED
		.... 1..		CHVRSV3	RESERVED
		.... .1.		CHVRSV4	RESERVED
		.... ..1		CHVRSV5	RESERVED
		.... ...1		CHVRSV6	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	36	CSCX	CSCX DSECT
0	(0)	CHARACTER	4	CHCSCXID	CSCX ACRONYM
4	(4)	UNSIGNED	1	CHXVERSN	VERSION LEVEL
5	(5)	CHARACTER	3	CHXRES	RESERVED
8	(8)	ADDRESS	4	CHECBP	POINTER TO STOP/MODIFY ECB
12	(C)	ADDRESS	4	CHCIBP	POINTER TO CIB
16	(10)	CHARACTER 1... ..	4	CHRTOKEN CHRTOKHR	31 BIT RIGHT JUSTIFIED TOKEN BIT = 1 INDICATES A TOKEN

Comment

THE ABOVE ECB AND CIB POINTERS AND TOKEN FORM @G380P2N
THE COMMUNICATIONS PARAMETER LIST MAPPED BY IEZCOM

End of Comment

20	(14)	SIGNED	4	CHECB	STOP/MODIFY ECB
24	(18)	CHARACTER	8	CHNAME	JOBNAME or ATXname of an TP initiated by APPC
32	(20)	ADDRESS	4	CHCSCBP	ADDRESS OF CSCB

CSCB Constants

Len	Type	Value	Name	Description
Comment				
MACRO RELATED DECLARATIONS				
End of Comment				
4	CHARACTER	CSCB	CHCSIDDC	CSCB ACRONYM CONSTANT
1	DECIMAL		CHSP13	VERSION LEVEL OS/VS2 JBB1326
1	DECIMAL		CHSP41	VERSION LEVEL HBB4410
1	DECIMAL		CHSP42	VERSION LEVEL HBB4420
1	DECIMAL		CHSP44	VERSION LEVEL HBB5510
1	DECIMAL		CHROALL	VERSION LEVEL W/OW15
1	DECIMAL		CHVERID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
1	DECIMAL		CHDIRINV	VERB CODE FOR DIRECT COMMAND INVOCATION
4	CHARACTER	CSCX	CHXID	CSCX ACRONYM CONSTANT
1	DECIMAL		CXSP41	VERSION LEVEL HBB4410
1	DECIMAL		CXVERID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE

CSCB Cross Reference

CSCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CH_CHLOGOPS_VALID			CHCSYSO	AE	
CHABTERM	6	01	CHDEF	A4	01
CHAC	40	08	CHDISC	7	20
CHACT	7		CHDISP	BA	
CHACT1	23		CHDISPA	BA	80
CHAD	6	08	CHDISPC	BA	20
CHAFORCE	7	01	CHDISPE	BA	08
CHAIFX	7	02	CHDISPM	BA	40
CHAIN	0		CHDISPR	BA	10
CHAINS01	28		CHDITOKN	E0	
CHALL	AE	80	CHDL	6	04
CHAP	6	80	CHDSI	7	10
CHARID	A7		CHDSTAT	A4	80
CHARSV20	40	80	CHDUMP	AE	04
CHARSV21	40	04	CHECB	14	
CHARSV22	40	02	CHECBP	8	
CHARSV23	40	01	CHFC	6	02
CHARSV25	A4	40	CHFLG	4	
CHARSV26	A4	20	CHFLGS	BB	
CHARSV27	A4	10	CHHIAR	A4	02
CHARSV28	A4	08	CHHOLD	AE	10
CHARSV29	A4	04	CHIFY	7	01
CHARSV40	4C		CHINC	AC	
CHASID	1E		CHINFMT	6	40
CHASM	28		CHINN	AE	40
CHASWT	A8		CHISJOB	B0	40
CHAUTH	B8		CHJB	AE	02
CHAUTHA	B8		CHJBFLGS	B0	
CHAUTHB	B9		CHJBRSV1	B0	3F
CHAUTH1	B8	80	CHJBSTRT	B0	80
CHAUTH2	B8	40	CHJCL	4C	
CHAUTH3	B8	20	CHJCT	40	40
CHBIGRP	BB	40	CHJSCBVS	A4	
CHBUF	28		CHKEY	8	
CHCART	C8		CHLAST	100	
CHCECB	3C		CHLEQUAL	BB	10
CHCIBCTR	1B		CHLOFF	D0	
CHCIBP	C		CHLOGOPS	28	
CHCL	7	08	CHMAXRGN	BB	04
CHCLD	7	04	CHMEMNAM	E0	
CHCLS	10		CHNAME	18	
CHCMFLGA	B4		CHNOALC	BB	20
CHCMFLGB	B6		CHNOBY	B7	02
CHCMFLGS	B4		CHOCID	E4	
CHCMFLG1	B4		CHOSYSN	F4	
CHCMFLG2	B5		CHOUT	AE	20
CHCMFLG3	B6		CHPARAM	8	
CHCMFLG4	B7		CHPCOI	8	80
CHCMFL44	B7	10	CHPEND	A8	
CHCMF11	B4	80	CHPKE	1C	
CHCMF12	B4	40	CHPMSI	BB	80
CHCMF13	B4	20	CHPOSTSS	7	02
CHCMF14	B4	10	CHPREVP	D4	
CHCMF15	B4	08	CHPROCSN	20	
CHCMF16	B4	04	CHPSD	40	20
CHCMF17	B4	02	CHPSF	40	10
CHCMF18	B4	01	CHPTR	0	
CHCMF21	B5	80	CHQID	20	
CHCMF22	B5	40	CHQSPC	6	10
CHCMF23	B5	20	CHQUE	AE	08
CHCMF24	B5	10	CHRES	22	
CHCMF25	B5	08	CHRESF	E8	
CHCMF26	B5	04	CHRESG	B8	
CHCMF27	B5	02	CHRESH	F4	
CHCMF28	B5	01	CHRESV	FC	
CHCNSIDI	C4		CHRES0	30	
CHCNSIDT	C0		CHRES1	28	
CHCSCBID	D8		CHRES2	2C	
CHCSCBP	20		CHRES3	38	
CHCSCXID	0		CHRES4	50	
CHCSCXP	DC		CHRES5	B0	
			CHRES7	D2	

Name	Hex Offset	Hex Value
CHRES8	54	
CHRGNAD	34	
CHRGNSZ	48	
CHRIMWT	A4	
CHRSV2	E8	
CHRSV3	1D	
CHRSV4	A5	
CHRTDM	B7	10
CHRTOKEN	10	
CHRTOKHR	10	80
CHRTOKIN	24	
CHSAVWD1	A8	
CHSAVWD2	AC	
CHSMSVL	23	20
CHSOUT	6	20
CHSPA	AF	
CHSPB	44	
CHSQA	74	
CHSTEP	40	
CHSTS	6	
CHSTTXTA	F0	
CHSWAP	7	80
CHSWT	40	
CHSZE	5	
CHTCB	41	
CHTERM	7	40
CHTJID	1E	
CHTJY	B7	40
CHTRKID	1C	
CHTYPE	A4	
CHUNIT	18	
CHUNIT4	EC	
CHUSCVS	A0	
CHUSERID	AE	01
CHUTOK	BC	
CHVARY	23	
CHVCD	4	
CHVDIENQ	23	80
CHVERSN	D1	
CHVRSV2	23	10
CHVRSV3	23	08
CHVRSV4	23	04
CHVRSV5	23	02
CHVRSV6	23	01
CHVSUNPM	23	40
CHXRES	5	
CHXVERSN	4	
CSCX	0	

CSD Information

CSD Programming Interface information

Programming Interface information

CSD

ONLY the following fields are part of the programming interface information:

- CSD_BYLPAR_CP_MASK_ADDR
- CSD_BYLPAR_ZAAP_MASK_ADDR
- CSD_BYLPAR_ZIIP_MASK_ADDR
- CSD_CPU_ALIVE_ADDR
- CSD_NUMBER_ONLINE_CPUS
- CSD_NUMBER_ONLINE_IFAS
- CSD_NUMBER_ONLINE_STANDARD_CPS
- CSD_NUMBER_ONLINE_zIIPS
- CSDCPUAL
- CSDCPUOL
- CSDRCPT

End of Programming Interface information

CSD Heading Information • CSD Map

CSD Heading Information

Common Name: COMMON SYSTEM DATA AREA (CSD).
Macro ID: IHACSD.
DSECT Name: CSD.
Owning Component: RECONFIGURATION (SC1CZ).
Eye-Catcher ID: CSD.
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245.
 Key: 0, NOT FETCH PROTECTED.
 Residency: BELOW 16M, SQA.
Size: 312 BYTES.
Created by: IEAVNIP0 DURING NIP.
Pointed to by: CVT FIELDS CVTCSO AND CVTCSO.
Serialization: COMPARE AND SWAP.
Function: CONTAINS INFORMATION ABOUT THE PROCESSORS IN THE SYSTEM.

CSD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CSD	
0	(0)	CHARACTER	4	CSDCSD	- CONTROL BLOCK ACRONYM IN EBCDIC
4	(4)	SIGNED	4	CSDCPUJW (0)	CPUS AVAILABLE FOR JOB SCHEDULING INFORMATION WORD. SERIALIZATION - SYSZCSD.CSDCPUJS RESOURCE AND CS. ONLY CS DURING ACR.
4	(4)	BITSTRING	2	CSDCPUJS	- Bit mask of CPUs available for Affinity job scheduling: limited to CPUs 0-15
6	(6)	SIGNED	2		- Reserved: (was CSDCHAD)
8	(8)	SIGNED	4	CSDCPUOW (0)	CPUS ONLINE INFORMATION WORD. SERIALIZATION - SYSZVARY.CPU RESOURCE AND CS. ONLY CS DURING ACR.
8	(8)	BITSTRING	2	CSDSAFF (0)	- BIT MASK OF CPUS AVAILABLE TO PROCESS SERVICE REQUESTS (SRB'S)
8	(8)	BITSTRING	2	CSDCPUAL	- Bit mask of CPUs currently alive. Applies only to CPUs 0-15. See CSD_CPU_ALIVE
10	(A)	SIGNED	2	CSDCPUOL	- Number of CPUs currently alive. This includes CPs, IFAs, and SUPs
12	(C)	BITSTRING	4	CSDSCWRD (0)	- SUPERVISOR CONTROL INFORMATION
12	(C)	BITSTRING	1	CSDSCFL1	- FIRST BYTE OF CSDSCWRD
		1...		CSDRV042	"X'80',C'X" - RESERVED
		1...		CSDSYSND	"X'40" - SYSTEM-WIDE NON-DISPATCHABILITY BIT. INDICATES ALL ADDRESS SPACES (SRB'S AND TASKS) ARE NON-DISPATCHABLE EXCEPT THOSE WITH EXEMPT STATUS (ASCBXMPT)
		...1.		CSDRV001	"X'20',C'X" - RESERVED
		...1.		CSDRV002	"X'10',C'X" - RESERVED
		.... 1...		CSDRV003	"X'08',C'X" - RESERVED
		.... .1..		CSDRV004	"X'04',C'X" - RESERVED
		.... ..1.		CSDRV005	"X'02',C'X" - RESERVED
		.... ...1		CSDRV006	"X'01',C'X" - RESERVED
13	(D)	BITSTRING	1	CSDSCFL2	- SECOND BYTE OF CSDSCWRD
		1...		CSDRV007	"X'80',C'X" - RESERVED
		1...		CSDRV008	"X'40',C'X" - RESERVED
		..1.		CSDRV009	"X'20',C'X" - RESERVED
		...1.		CSDRV010	"X'10',C'X" - RESERVED
		.... 1...		CSDRV011	"X'08',C'X" - RESERVED
		.... .1..		CSDRV012	"X'04',C'X" - RESERVED
		.... ..1.		CSDRV013	"X'02',C'X" - RESERVED
		.... ...1		CSDRV014	"X'01',C'X" - RESERVED
14	(E)	BITSTRING	1	CSDSCFL3	- THIRD BYTE OF CSDSCWRD
		1...		CSDRV015	"X'80',C'X" - RESERVED
		1...		CSDRV016	"X'40',C'X" - RESERVED
		..1.		CSDRV017	"X'20',C'X" - RESERVED
		...1.		CSDRV018	"X'10',C'X" - RESERVED
		.... 1...		CSDRV019	"X'08',C'X" - RESERVED
		.... .1..		CSDRV020	"X'04',C'X" - RESERVED
		.... ..1.		CSDRV021	"X'02',C'X" - RESERVED
		.... ...1		CSDRV022	"X'01',C'X" - RESERVED
15	(F)	BITSTRING	1	CSDSCFL4	- FOURTH BYTE OF CSDSCWRD
		1...		CSDRV023	"X'80',C'X" - RESERVED
		1...		CSDRV024	"X'40',C'X" - RESERVED
		..1.		CSDRV025	"X'20',C'X" - RESERVED
		...1.		CSDRV026	"X'10',C'X" - RESERVED
		.... 1...		CSDRV027	"X'08',C'X" - RESERVED
		.... .1..		CSDRV028	"X'04',C'X" - RESERVED
		.... ..1.		CSDRV029	"X'02',C'X" - RESERVED
		.... ...1		CSDRV030	"X'01',C'X" - RESERVED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
16	(10)	SIGNED	4		Was CSDAXPOW, CSDAXPAL, CSDAXPOL 2
20	(14)	BITSTRING	2	CSDMF1CP	- BIT MASK OF CPUS VARIED ON OR OFFLINE. MF/1 TESTS THESE FLAGS AT REPORTING INTERVALS FOR CPU VARY ACTIVITY AND THEN RESETS THEM TO ZERO
22	(16)	BITSTRING	1	CSDACR	- VALUE OF X'FF' MEANS ACR IS IN PROGRESS
23	(17)	BITSTRING	1	CSDFLAGS	- FLAG BYTE
		1...		CSDMP	"X'80'" - RESERVED - DO NOT USE
		.1...		CSDSTCHK	"X'40'" - STORAGE CHECK INDICATOR - SET BY RSM WHENEVER IT MARKS A FRAME 'BAD' BECAUSE OF A STORAGE ERROR MACHINE CHECK. IT IS TESTED IN VARY STORAGE ELEMENT OFFLINE PROCESSING.
		..1.		CSDCPUDN	"X'20',C'X'" - GLOBAL BIT INDICATING CPU INITIALIZATION IS COMPLETE SO THAT OTHER COMPONENTS CAN PERFORM THEIR PROCESSING
		...1		CSDNDPAR	"X'10',C'X'" - RUNNING IN NON-DEDICATED PARTITION.
		.... 1...		CSDPRCPU	"X'08',C'X'" - Preserve CPU status
		.... .1..		CSDRV036	"X'04',C'X'" - RESERVED
		.... ..1.		CSDRV037	"X'02',C'X'" - RESERVED
		.... ...1		CSDRV038	"X'01',C'X'" - RESERVED
Comment					
delete CSDMAFF - no longer referenced, length of 80 bytes. the space is reused by the following fields, down to the reserved field defining the remaining unused space					
End of Comment					
24	(18)	CHARACTER	64	CSDRV039	RESERVED 49
88	(58)	BITSTRING	16	CSDRV04C	Reserved space on Dword Bdy
104	(68)	BITSTRING	2		- Reserved: was CSDCPWLM
106	(6A)	SIGNED	2	CSDDDRCT	- DDR DEVICE ALLOCATION INTERFACE COUNT FIELD. ACCESSED AND MODIFIED UNDER CMS LOCK. INCREMENTED BY DDR TO INDICATE TO DYNAMIC ALLOCATION THAT DDR EXCHANGED ADDRESSES IN THE IOS LOOKUP TABLE.
108	(6C)	SIGNED	4	CSDGDCC	- COUNT OF USABLE CLOCK COMPARATORS CURRENTLY IN THE CONFIGURATION
112	(70)	SIGNED	4	CSDGDINT	- COUNT OF USABLE CPU TIMERS CURRENTLY IN THE CONFIGURATION
116	(74)	SIGNED	4	CSDGDTOD	- COUNT OF CPUS THAT HAVE ACCESS TO A GOOD TOD CLOCK
120	(78)	SIGNED	4	CSDTCNT	- COUNT OF TAPE ALLOCATIONS IN PROGRESS
124	(7C)	SIGNED	4	CSDUCNT	- COUNT OF UNIT RECORD ALLOCATIONS IN PROGRESS
128	(80)	BITSTRING	32	CSDMASK (0)	- TABLE OF BIT MASKS FOR TESTING BITS IN CSDCPUAL, INDEXED FROM 1 TO 16.
128	(80)	BITSTRING	32	CSDMASK0 (0)	- TABLE OF BIT MASKS FOR TESTING BITS IN CSDCPUAL, INDEXED FROM 0 TO 15.
128	(80)	BITSTRING	2		- CPU 0
130	(82)	BITSTRING	2		- CPU 1
132	(84)	BITSTRING	2		- CPU 2
134	(86)	BITSTRING	2		- CPU 3
136	(88)	BITSTRING	2		- CPU 4
138	(8A)	BITSTRING	2		- CPU 5
140	(8C)	BITSTRING	2		- CPU 6
142	(8E)	BITSTRING	2		- CPU 7
144	(90)	BITSTRING	2		- CPU 8
146	(92)	BITSTRING	2		- CPU 9
148	(94)	BITSTRING	2		- CPU A
150	(96)	BITSTRING	2		- CPU B
152	(98)	BITSTRING	2		- CPU C
154	(9A)	BITSTRING	2		- CPU D
156	(9C)	BITSTRING	2		- CPU E
158	(9E)	BITSTRING	2		- CPU F
160	(A0)	BITSTRING	1	CSDIOSID	RESERVED -- DO NOT REUSE
161	(A1)	BITSTRING	1	CSDICPUS	- The number of initial (LPAR-defined) CPUs
162	(A2)	BITSTRING	1	CSDIIFAS (0)	- The number of initial (LPAR-defined) IFA processors
162	(A2)	BITSTRING	1	CSDI_BYLPAR_IFAS	-
163	(A3)	BITSTRING	1	CSDISUPS (0)	- The number of initial (LPAR-defined) SUP processors
163	(A3)	BITSTRING	1	CSDI_BYLPAR_SUPS	-
164	(A4)	BITSTRING	4	CSDRV0A4	RESERVED WAS CSDCPUVW
168	(A8)	ADDRESS	4	CSDCMT	- ADDRESS OF THE CONFIGURATION MANAGEMENT TABLE.
172	(AC)	ADDRESS	4	CSDSAT	- ADDRESS OF THE EXCESSIVE SPIN RECOVERY ACTION TABLE USED BY IEEVXSN.

CSD Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
176	(B0)	ADDRESS	4	CSDTMPES	- ADDRESS OF THE EXCESSIVE SPIN RECOVERY ACTION TABLE SET UP BY IEEVESAI AS A RESULT OF A SET EXS= COMMAND. THE ACTIONS DEFINED BY THIS TABLE BECOME EFFECTIVE THE NEXT TIME IEEVEXSN PROCESSES A NEW SPIN LOOP.
180	(B4)	ADDRESS	4	CSDRCFV	- ADDRESS OF THE RECONFIGURATION VECTOR TABLE.
184	(B8)	CHARACTER	16	CSDCPSID	TABLE OF SIDE ID FOR EACH CPU IN THE SYSTEM
200	(C8)	SIGNED	4	CSDEXSFL_WORD	FLAGS FOR EXCESSIVE SPIN
		1111		CSDEXSFL_ESAI	"X'F0" SET BY IEEVESAI
		.... 1111		CSDEXSFL_EXSN	"X'0F" SET BY IEEVEXSN
204	(CC)	ADDRESS	4	CSDLWVCT	- ADDRESS OF THE LOADWAIT VECTOR TABLE AS MAPPED BY BLWMLWVT.
208	(D0)	SIGNED	4	CSDCRWRD (0)	CRYPTO INFORMATION WORD.
208	(D0)	BITSTRING	2	CSDCRYPT	- BIT MASK OF ONLINE CRYPTO FACILITIES.
210	(D2)	BITSTRING	2	CSDCRINS	- BIT MASK OF INSTALLED CRYPTO FACILITIES.
212	(D4)	SIGNED	4	CSD_NUMBER_ONLINE_CPUS	32-bit count of alive CPUs. This includes CPs, IFAs, and SUPs
216	(D8)	ADDRESS	4	CSDUMVCL	- ADDRESS OF THE IEEUMVCL ENTRY POINT
220	(DC)	ADDRESS	4	CSDUSTCK	- ADDRESS OF THE IEEUSTCK ENTRY POINT
224	(E0)	ADDRESS	4	CSD\$ESTA	- ADDRESS OF THE ISN\$ESTA ENTRY POINT
228	(E4)	ADDRESS	4	CSD\$FRR	- ADDRESS OF THE ISN\$FRR ENTRY POINT
232	(E8)	ADDRESS	4	CSD\$SCPI	- ADDRESS OF THE ISN\$SCPI ENTRY POINT
236	(EC)	SIGNED	2	CSDMAXMP	Maximum CPU address in configuration
238	(EE)	BITSTRING	2		- RESERVED.
240	(F0)	DBL WORD	8	CSDEXCDS (0)	DWORD BDY FOR CDS INSTRUCTION TO UPDATE GLOBAL-EXEMPTION COUNT AND END-TIME
240	(F0)	SIGNED	4	CSDEXCNT	COUNT OF ACTIVE USERS OF GLOBAL SPIN-LOOP EXEMPTION. THIS FIELD MUST BE ON A DWORD BOUNDARY AND ADJACENT TO CSDEXSEC FOR THE CDS INSTRUCTION.
244	(F4)	SIGNED	4	CSDEXSEC	EXPIRATION TIME (DOWN TO SECONDS) FOR GLOBAL EXEMPTION FROM SPIN-LOOP RECOVERY (TOP HALF OF TOD CLOCK)
248	(F8)	ADDRESS	4	CSDGLEX	- ADDRESS OF THE MACRO PROCESSOR (BLWGLEX) FOR GLOBAL SPIN-LOOP EXEMPTION
252	(FC)	BITSTRING	1	CSDPLPN	PRSM LOGICAL PARTITION NUMBER
253	(FD)	BITSTRING	1		RESERVED. WAS CSDEXSFL
254	(FE)	BITSTRING	2		RESERVED
256	(100)	BITSTRING	256	CSD_ROBLOCK_100 (0)	Primarily readonly block
256	(100)	ADDRESS	4	CSDRCPT	Address to the LCCA,LCCX and PCCA pointer table for WLM config cpu offline requests.
260	(104)	SIGNED	4	CSD_NUMBER_ONLINE_IFAS (0)	zAAPs online
260	(104)	SIGNED	4	CSD_NUMBER_ONLINE_BYLPAR_ZAAPs (0)	zAAPs online
260	(104)	SIGNED	4	CSD_NUMBER_ONLINE_BYLPAR_IFAS (0)	zAAPs online
264	(108)	SIGNED	4	CSD_NUMBER_ONLINE_STANDARD_CPS (0)	Regular CPs online
264	(108)	SIGNED	4	CSD_NUMBER_ONLINE_BYLPAR_STANDARD_CPS (0)	Regular CPs online
268	(10C)	SIGNED	4	CSD_NUMBER_ONLINE_ZIIPS (0)	zIIPs online
268	(10C)	SIGNED	4	CSD_NUMBER_ONLINE_BYLPAR_ZIIPS (0)	zIIPs online
268	(10C)	SIGNED	4	CSD_NUMBER_ONLINE_BYLPAR_SUPS (0)	zIIPs online
268	(10C)	SIGNED	4	CSD_NUMBER_ONLINE_SUPS	
272	(110)	BITSTRING	88	CSDR110	- RESERVED.
360	(168)	ADDRESS	4	CSD_CPU_ALIVE_ADDR	CPU alive mask pointer. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
364	(16C)	ADDRESS	4	CSD_BYLPAR_CP_MASK_ADDR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
368	(170)	ADDRESS	4	CSD_BYLPAR_ZAAP_MASK_ADDR	Pointer to mask of processors defined as standard processors - not necessarily online. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
372	(174)	ADDRESS	4	CSD_BYLPAR_ZIIP_MASK_ADDR	Pointer to mask of processors defined as special processors - not necessarily online. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
376	(178)	ADDRESS	4	CSD_CPUS_GOING_ON_OR_OFF_MASK_ADDR	Pointer to mask of processors defined as zIIP processors - not necessarily online. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
380	(17C)	ADDRESS	4	CSD_CPUS_MANIPULATED_BY_WLM_ADDR	Pointer to mask of CPUs configured on or off during a reporting interval. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
384	(180)	ADDRESS	4	CSD_CPUS_VARIED_OFFLINE_BY_OPERATOR_ADDR	Pointer to mask of CPUs manipulated by WLM. If bit x is on, then WLM put the CPU into its current state (online or offline). Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
388	(184)	ADDRESS	4	CSD_CPUS_TAKEN_OFFLINE_BY_ACR_ADDR	Pointer to mask of CPUs configured offline by the operator. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid.
392	(188)	BITSTRING	120		- RESERVED (primarily readonly)
512	(200)	DBL WORD	8	CSDEND (0)	End of CSD control block
512	(200)	X'200'	0	CSDLLEN	"CSDEND-CSD" Length of CSD control block
512	(200)	X'F'	0	CSD_MAX_CRYPT0_ADDRESS	"15" Maximum supported Crypto address
512	(200)	X'F'	0	CSD_MAX_AFFINITY_ADDRESS	"15" Max CPU supporting affinity

CSD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSD	0		CSD_NUMBER_ONLINE_BYLPAR_SUPS	10C	
CSD\$ESTA	E0		CSD_NUMBER_ONLINE_BYLPAR_ZAAPs	104	
CSD\$FRR	E4		CSD_NUMBER_ONLINE_BYLPAR_ZIIPs	10C	
CSD_BYLPAR_CP_MASK_ADDR	16C		CSD_NUMBER_ONLINE_CPUS	D4	0
CSD_BYLPAR_ZAAP_MASK_ADDR	170		CSD_NUMBER_ONLINE_IFAS	104	
CSD_BYLPAR_ZIIP_MASK_ADDR	174		CSD_NUMBER_ONLINE_STANDARD_CPS	108	
CSD_CPU_ALIVE_ADDR	168		CSD_NUMBER_ONLINE_SUPS	10C	
CSD_CPUS_GOING_ON_OR_OFF_MASK_ADDR	178		CSD_NUMBER_ONLINE_ZIIPs	10C	
CSD_CPUS_MANIPULATED_BY_WLM_ADDR	17C		CSD_ROBLOCK_100	100	
CSD_CPUS_TAKEN_OFFLINE_BY_ACR_ADDR	184		CSDACR	16	0
CSD_CPUS_VARIED_OFFLINE_BY_OPERATOR_ADDR	180		CSDCMT	A8	
CSD_MAX_AFFINITY_ADDRESS	200	F	CSDCPSID	B8	
CSD_MAX_CRYPT0_ADDRESS	200	F	CSDCPUAL	8	0
CSD_NUMBER_ONLINE_BYLPAR_IFAS	104		CSDCPUDN	17	20
CSD_NUMBER_ONLINE_BYLPAR_STANDARD_CPS	108		CSDCPUJS	4	0
			CSDCPUJW	4	
			CSDCPUOL	A	0
			CSDCPUOW	8	

CSD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSDCRINS	D2	0	CSDRV038	17	1
CSDCRWRD	D0		CSDRV039	18	F0F04040
CSDCRYPT	D0	0	CSDRV04C	58	0
CSDCSD	0	C3E2C440	CSDRV042	C	80
CSDDDRCT	6A	0	CSDR110	110	0
CSDEND	200		CSDSAFF	8	
CSDESAT	AC		CSDSCFL1	C	0
CSDEXCDS	F0		CSDSCFL2	D	0
CSDEXCNT	F0	0	CSDSCFL3	E	0
CSDEXSEC	F4	0	CSDSCFL4	F	0
CSDEXSFL_ESAI			CSDSCPIN	E8	
	C8	F0	CSDSCWRD	C	
CSDEXSFL_EXSN			CSDSTCHK	17	40
	C8	F	CSDSYSND	C	40
CSDEXSFL_WORD			CSDTcnt	78	0
	C8		CSDTMPES	B0	
CSDFLAGS	17	0	CSDUCNT	7C	0
CSDGDCC	6C	0	CSDUMVCL	D8	
CSDGDINT	70	0	CSDUSTCK	DC	
CSDGDTOD	74	0			
CSDGLEX	F8				
CSDI_BYLPAR_IFAS					
	A2	0			
CSDI_BYLPAR_SUPS					
	A3	0			
CSDICPUS	A1	0			
CSDIIFAS	A2				
CSDIOSID	A0	0			
CSDISUPS	A3				
CSDLEN	200	200			
CSDLWVCT	CC				
CSDMASK	80				
CSDMASK0	80				
CSDMAXMP	EC	0			
CSDMF1CP	14	0			
CSDMP	17	80			
CSDNDPAR	17	10			
CSDPLPN	FC				
CSDPRCPU	17	8			
CSDRCFV	B4				
CSDRCPT	100				
CSDRV0A4	A4				
CSDRV001	C	20			
CSDRV002	C	10			
CSDRV003	C	8			
CSDRV004	C	4			
CSDRV005	C	2			
CSDRV006	C	1			
CSDRV007	D	80			
CSDRV008	D	40			
CSDRV009	D	20			
CSDRV010	D	10			
CSDRV011	D	8			
CSDRV012	D	4			
CSDRV013	D	2			
CSDRV014	D	1			
CSDRV015	E	80			
CSDRV016	E	40			
CSDRV017	E	20			
CSDRV018	E	10			
CSDRV019	E	8			
CSDRV020	E	4			
CSDRV021	E	2			
CSDRV022	E	1			
CSDRV023	F	80			
CSDRV024	F	40			
CSDRV025	F	20			
CSDRV026	F	10			
CSDRV027	F	8			
CSDRV028	F	4			
CSDRV029	F	2			
CSDRV030	F	1			
CSDRV036	17	4			
CSDRV037	17	2			

CSRBPASM Information

CSRBPASM Programming Interface information

Programming Interface information

CSRBPASM

End of Programming Interface information

CSRBPASM Heading Information • CSRBPASM Map

CSRBPASM Heading Information

Common Name: Block Paging Service Assembler Declares
Macro ID: CSRBPASM
DSECT Name: N/A
Owning Component: CALLABLE SERVICE REQUESTS (SCCSR)
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 required
Function: CSRBPASM defines Block Paging service names and related constants for programs written in Assembler-H.

CSRBPASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	CSR_FORWARDS	"1"
					Comment
Backwards direction of reference (third parameter)					
					End of Comment
0	(0)	X'FFFFFF'	0	CSR_BACKWARDS	"-1"
					Comment
Services					
					End of Comment
					Comment
End of Block Paging Services Declares					
					End of Comment

CSRPCASM Information

CSRPCASM Programming Interface information

Programming Interface information

CSRPCASM

End of Programming Interface information

CSRCPASM Heading Information • CSRCPASM Map

CSRCPASM Heading Information

Common Name: Bit Mapped Cell Pool Service Assembler Declares
Macro ID: CSRCPASM
DSECT Name: N/A
Owning Component: CALLABLE SERVICE REQUESTS (SCCSR)
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 required
Function: CSRCPASM defines Cell Pool service names and related constants for programs written in Assembler-H.

CSRCPASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'40'	0	CSR_ANCHOR_LENGTH	"64"
Comment					
Base length of the cell pool extent data area					
End of Comment					
0	(0)	X'80'	0	CSR_EXTENT_BASE	"128"
Comment					
Length of the user-supplied pool name					
End of Comment					
0	(0)	X'8'	0	CSR_POOL_NAME_LEN	"8"
Comment					
Length of the user-supplied savearea for GT1/RGT1/GT2/FR1/RFR1/FR2					
End of Comment					
0	(0)	X'90'	0	CSR_SAVEAREA_LEN	"144"
Comment					
Control Services					
End of Comment					
Comment					
Get/Free Services					
End of Comment					
Comment					
Other get/free services (no extrn) CSRPGT1,CSRPRGT1,CSRPF1,CSRPRFR1 CSRPGT2,CSRPF2					
Query Services					
End of Comment					

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Comment
End of Bit Mapped Cell Pool Services Declares					
					End of Comment

CSRCPASM Cross Reference

Name	Hex Offset	Hex Value
CSR_ANCHOR_LENGTH	0	40
CSR_EXTENT_BASE	0	80
CSR_POOL_NAME_LEN	0	8
CSR_SAVEAREA_LEN	0	90

CSRC4ASM Information

CSRC4ASM Programming Interface information

Programming Interface information

CSRC4ASM

End of Programming Interface information

CSRC4ASM Heading Information • CSRC4ASM Map

CSRC4ASM Heading Information

Common Name: Bit Mapped Cell Pool Service Assembler Declares
Macro ID: CSRC4ASM
DSECT Name: N/A
Owning Component: CALLABLE SERVICE REQUESTS (SCCSR)
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 required
Function: CSRC4ASM defines Cell Pool service names and related constants for programs written in Assembler-H.

CSRC4ASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'40'	0	CSRC4_ANCHOR_LENGTH	"64"
Comment					
Base length of the cell pool extent data area					
End of Comment					
0	(0)	X'C0'	0	CSRC4_EXTENT_BASE	"192"
Comment					
Length of the user-supplied pool name					
End of Comment					
0	(0)	X'8'	0	CSRC4_POOL_NAME_LEN	"8"
Comment					
Length of the user-supplied savearea for CSRC4GT1/CSRC4RG1/CSRC4FR1/CSRC4RF1/CSRC4GT2/CSRC4FR2					
End of Comment					
0	(0)	X'D8'	0	CSRC4_SAVEAREA_LEN	"216"
Comment					
Amode 64 Control Services CSRC4BLD,CSRC4EXP,CSRC4CON,CSRC4ACT,CSRC4DIS,CSRC4DAC Amode 64 Get/Free Services CSRC4GET,CSRC4RGT,CSRC4FRE,CSRC4RFR Amode 64 Other get/free services CSRC4GT1,CSRC4RG1,CSRC4FR1,CSRC4RF1,CSRC4GT2/CSRC4FR2 Amode 64 Query Services CSRC4QPL,CSRC4QEX,CSRC4QCL End of Amode 64 Bit Mapped Cell Pool Services Declares					
End of Comment					

CSRLJASM Information

CSRLJASM Programming Interface information

Programming Interface information

CSRLJASM

End of Programming Interface information

CSRLJASM Heading Information • CSRLJASM Cross Reference

CSRLJASM Heading Information

Common Name: Load 16 and Jump Assembler Declares
Macro ID: CSRLJASM
DSECT Name: N/A
Owning Component: Callable Service Requests (SCCSR)
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 required
Function: CSRLJASM defines constants for the use of Load 16 and Jump from S/390 assembly language.

CSRLJASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	CSRL16J_OK	"0"
0	(0)	X'4'	0	CSRL16J_BAD_VERSION	"4"
0	(0)	X'8'	0	CSRL16J_BAD_AMODE	"8"
0	(0)	X'C'	0	CSRL16J_BAD_RESERVED	"12"
0	(0)	X'10'	0	CSRL16J_BAD_LENGTH	"16"
0	(0)	X'18'	0	CSRL16J_BAD_PSW	"24"
0	(0)	X'0'	0	CSRLJ1_OK	"0"
0	(0)	X'4'	0	CSRLJ1_BAD_VERSION	"4"
0	(0)	X'8'	0	CSRLJ1_BAD_AMODE	"8"
0	(0)	X'C'	0	CSRLJ1_BAD_RESERVED	"12"
0	(0)	X'10'	0	CSRLJ1_BAD_LENGTH	"16"
0	(0)	X'18'	0	CSRLJ1_BAD_PSW	"24"
0	(0)	X'1C'	0	CSRLJ1_NOT_ESAME	"28"
0	(0)	X'1C'	0	CSRLJ1_NOT_ZARCHITECTURE	"28"

Comment

End of Load 16 and Jump

End of Comment

CSRLJASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSRLJ1_BAD_AMODE	0	8	CSRL16J_BAD_AMODE	0	8
CSRLJ1_BAD_LENGTH	0	10	CSRL16J_BAD_LENGTH	0	10
CSRLJ1_BAD_PSW	0	18	CSRL16J_BAD_PSW	0	18
CSRLJ1_BAD_RESERVED	0	C	CSRL16J_BAD_RESERVED	0	C
CSRLJ1_BAD_VERSION	0	4	CSRL16J_BAD_VERSION	0	4
CSRLJ1_NOT_ESAME	0	1C	CSRL16J_OK	0	0
CSRLJ1_NOT_ZARCHITECTURE	0	1C			
CSRLJ1_OK	0	0			

CSRSIIDF Information

CSRSIIDF Programming Interface information

Programming Interface information

CSRSIIDF

End of Programming Interface information

CSRSIIDF Heading Information • CSRSIIDF Map

CSRSIIDF Heading Information

Common Name: CSRSI IDF (return codes and output area maps)
Macro ID: CSRSIIDF
DSECT Name: SI00 SIV1 SIV1V2 SIV1V2V3 SIV1V3 SIV2 SIV2V3 SIV3 SI11V1 SI22V1 SI22V1ALT SI22V2 SI22V3 SI22V3DB
Owning Component: CSR (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Variable
Size: SI00 -- X'0040' bytes
SIV1 -- X'2040' bytes
SIV1V2 -- X'3040' bytes
SIV1V2V3 -- X'4040' bytes
SIV1V3 -- X'3040' bytes
SIV2 -- X'1040' bytes
SIV2V3 -- X'2040' bytes
SIV3 -- X'1040' bytes
SI11V1 -- X'1000' bytes
SI22V1 -- X'1000' bytes
SI22V1ALT -- X'0FD8' bytes
SI22V2 -- X'1000' bytes
SI22V3 -- X'1000' bytes
SI22V3DB -- X'0040' bytes
Created by: Caller and passed as parameter on InfoArea parameter on call to CSRSI
Pointed to by: CSRSI parameter list
Serialization: None required
Function: Provides return code equates for the CSRSI service.

Maps the InfoArea data returned by the CSRSI service.

The data returned depends upon the request.

SIV1 DSECT maps the data returned when only V1CPC_MACHINE data is requested.

SIV1V2 DSECT maps the data returned when only V1CPC_MACHINE data and V2CPC_LPAR data are requested.

SIV1V2V3 DSECT maps the data returned when V1CPC_MACHINE data, V2CPC_LPAR data, and V3CPC_VM data are requested.

SIV1V3 DSECT maps the data returned when only V1CPC_MACHINE data and V3CPC_VM data are requested.

SIV2 DSECT maps the data returned when only V2CPC_LPAR data is requested.

SIV2V3 DSECT maps the data returned when only V2CPC_LPAR data and V3CPC_VM data are requested.

SIV3 DSECT maps the data returned when only V3CPC_VM data is requested.

SI00 DSECT maps "starter" information (including STIDP)

SI11V1 DSECT maps the general configuration information for a machine

SI22V1 DSECT maps multiple CPU information for a machine.

SI22V1ALT DSECT maps the alternate information according to field SI22V1Format

SI22V2 DSECT maps multiple CPU information for an LPAR.

SI22V3 DSECT maps multiple CPU information when running under VM.

The SI00ValidityFlags fields indicates whether the data returned for each requested area (other than SI00) is valid. There is no bit for the SI00 area itself since that area is always valid.

The infoarea length must match the length of the DSECT that maps the requested data.

Much of the information corresponds to data returned by the STSI instruction. Additional information about the fields may be found in the STSI instruction writeup within the z/Architecture Principles of Operation. DSECT SlyzVx corresponds to STSI SYSIB x.y.z (for example, DSECT SI22V1 corresponds to SYSIB 1.2.2) within the z/Architecture Principles of Operation.

CSRSIIDF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SI00	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	1	SI00CPCVARIETY	SI00CPCVariety_V1CPC_Machine, SI00CPCVariety_V2CPC_LPAR, or SI00CPCVariety_V3CPC_VM
1	(1)	BITSTRING	1	SI00VALIDITYFLAGS	Validity flags

Comment

Bit definitions:

End of Comment

		1...		SI00VALIDSI11V1	"X'80" SI11V1 was requested and the information returned is valid
		.1..		SI00VALIDSI22V1	"X'40" SI22V1 was requested and the information returned is valid
		..1.		SI00VALIDSI22V2	"X'20" SI22V2 was requested and the information returned is valid
		...1		SI00VALIDSI22V3	"X'10" SI22V3 was requested and the information returned is valid
2	(2)	CHARACTER	2		Reserved
4	(4)	CHARACTER	12	SI00PCCACPID	PCCACPID value (CPU ID) for this CPU
16	(10)	CHARACTER	2	SI00PCCACPUA	PCCACPUA value for this CPU
18	(12)	CHARACTER	2	SI00PCCACAFM	PCCACAFM value for this CPU. This has information only about CPUs 0-15
20	(14)	CHARACTER	4		Reserved
24	(18)	CHARACTER	8	SI00LASTUPDATETIMESTAMP	STCK timestamp when system last re-issued STSI to retrieve the most current information. A capacity upgrade on demand event is one event that results in this update. The field is 0's if the information has not been retrieved since IPL.
32	(20)	CHARACTER	8	SI00PCCA_PARTIALCPUMASK	PCCA_PartialCpuMask value for this CPU.
32	(20)	CHARACTER	8	SI00PCCA_CPU_ADDRESS_MASK	PCCA_CPU_ADDRESS_MASK value for this CPU.
40	(28)	SIGNED	2	SI00PCCA_PARTIALCPUMASKOFFSET	PCCA_PartialCpuMaskOffset value for this CPU
40	(28)	SIGNED	2	SI00PCCA_CPU_ADDRESS_MASK_OFFSET	PCCA_CPU_ADDRESS_MASK_OFFSET value for this CPU
42	(2A)	CHARACTER	14		Reserved
56	(38)	CHARACTER	8	SI00NONINTERFACE	Not a programming interface

Comment

SI00 Constants

End of Comment

56	(38)	X'1'	0	SI00CPCVARIETY_V1CPC_MACHINE	"1" Value for a V1 CPC (not LPAR, not VM)
56	(38)	X'2'	0	SI00CPCVARIETY_V2CPC_LPAR	"2" Value for a V2 CPC (LPAR)
56	(38)	X'3'	0	SI00CPCVARIETY_V3CPC_VM	"3" Value for a V3 CPC (VM)

Comment

Constants for Parameters and Return Codes
Store System Information Constants

End of Comment

56	(38)	X'1'	0	CSRSI_REQUEST_V1CPC_MACHINE	"1" Requests information about a V1 CPC (not LPAR, not VM)
56	(38)	X'2'	0	CSRSI_REQUEST_V2CPC_LPAR	"2" Requests information about a V2 CPC (LPAR)
56	(38)	X'4'	0	CSRSI_REQUEST_V3CPC_VM	"4" Requests information about a V3 CPC (VM)

Comment

Store System Information Return Codes
Note: 0C4 abend if bad address provided in parmlist or user data

End of Comment

56	(38)	X'0'	0	CSRSI_SUCCESS	"0" CSRSI service completed successfully
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CSRSIIDF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
56	(38)	X'4'	0	CSRSI_STSINOTAVAILABLE	"4" STSI instruction is not available on this system. Only the SI00PCCACPID, SI00PCCACPUA, SI00PCCACAFM fields are valid.
56	(38)	X'8'	0	CSRSI_SERVICENOTAVAILABLE	"8" CSRSI service is not available on this system.
56	(38)	X'C'	0	CSRSI_BADREQUEST	"12" The request parameter did not specify a word with a value formed from adding any combination of CSRSI_Request_V1CPC_Machine, CSRSI_Request_V2CPC_LPAR, and CSRSI_Request_V3CPC_VM.
56	(38)	X'10'	0	CSRSI_BADINFOAREALEN	"16" The value of the InfoAreaLen parameter does not match the length needed to accomodate the requested data.
56	(38)	X'14'	0	CSRSI_BADLOCK	"20" Service was called holding a system lock other than CPU, LOCAL/CML, CMS
56	(38)	X'40'	0	SI00_LEN	"*-SI00"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV1	
0	(0)	CHARACTER	64	SIV1SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1SI22V1	Area mapped by dsect SI22V1
4160	(1040)	X'2040'	0	SIV1_LEN	"*-SIV1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV1V2	
0	(0)	CHARACTER	64	SIV1V2SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1V2SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1V2SI22V1	Area mapped by dsect SI22V1
8256	(2040)	CHARACTER	4096	SIV1V2SI22V2	Area mapped by dsect SI22V2
8256	(2040)	X'3040'	0	SIV1V2_LEN	"*-SIV1V2"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV1V2V3	
0	(0)	CHARACTER	64	SIV1V2V3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1V2V3SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1V2V3SI22V1	Area mapped by dsect SI22V1
8256	(2040)	CHARACTER	4096	SIV1V2V3SI22V2	Area mapped by dsect SI22V2
12352	(3040)	CHARACTER	4096	SIV1V2V3SI22V3	Area mapped by dsect SI22V3
12352	(3040)	X'4040'	0	SIV1V2V3_LEN	"*-SIV1V2V3"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV1V3	
0	(0)	CHARACTER	64	SIV1V3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1V3SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1V3SI22V1	Area mapped by dsect SI22V1
8256	(2040)	CHARACTER	4096	SIV1V3SI22V3	Area mapped by dsect SI22V3
8256	(2040)	X'3040'	0	SIV1V3_LEN	"*-SIV1V3"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV2	
0	(0)	CHARACTER	64	SIV2SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV2SI22V2	Area mapped by dsect SI22V2
64	(40)	X'1040'	0	SIV2_LEN	"*-SIV2"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV2V3	
0	(0)	CHARACTER	64	SIV2V3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV2V3SI22V2	Area mapped by dsect SI22V2
4160	(1040)	CHARACTER	4096	SIV2V3SI22V3	Area mapped by dsect SI22V3
4160	(1040)	X'2040'	0	SIV2V3_LEN	**-SIV2V3"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV3	
0	(0)	CHARACTER	64	SIV3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV3SI22V3	Area mapped by dsect SI22V3
64	(40)	X'1040'	0	SIV3_LEN	**-SIV3"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SI11V1	
0	(0)	BITSTRING	1	SI11V1FLAGS	Flag(s)

Comment

Bit definitions:

End of Comment					
		1...		SI11V1_TYPENPCTGV	"X'80" When 1, the type-percentage bytes, located in words 40-41, are valid. When 0, the bytes are stored as zeroes but have no meaning
		.... ...1		SI11V1_TRANSIENT	"X'01" When 1, indicates that the condition represented by SI11V1CCR and SI11V1CAI fields is relatively transient
1	(1)	CHARACTER	1		Reserved
2	(2)	BITSTRING	1	SI11V1CCR	Capacity-Change Reason. When SI11V1CAI is nonzero, SI11V1CCR indicates the reason which is associated with the present values contained in SI11V1. When SI11V1CAI is zero, SI11V1CCR is undefined and stored as zero.
3	(3)	BITSTRING	1	SI11V1CAI	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.
4	(4)	CHARACTER	28		Reserved
32	(20)	CHARACTER	16	SI11V1CPCMANUFACTURER	The 16-character (0-9 or uppercase A-Z) EBCDIC name of the manufacturer of the configuration. The name is left-justified with trailing blank characters if necessary.
48	(30)	CHARACTER	4	SI11V1CPCTYPE	The 4-character (0-9) EBCDIC type identifier of the configuration.
52	(34)	CHARACTER	12		Reserved
64	(40)	CHARACTER	16	SI11V1CPCMODEL	The 16-character (0-9 or uppercase A-Z) EBCDIC model identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary. Valid only if the first word of SI11V1CPCModel1 is zero
64	(40)	CHARACTER	16	SI11V1CPCMODELCAPIDENT	The 16-character (0-9 or uppercase A-Z) EBCDIC model capacity identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary.
80	(50)	CHARACTER	16	SI11V1CPCSEQUENCECODE	The 16-character (0-9 or uppercase A-Z) EBCDIC sequence code of the configuration. The sequence code is right-justified with leading EBCDIC zeroes if necessary.
96	(60)	CHARACTER	4	SI11V1CPCPLANTOFMANUFACTURE	The 4-character (0-9 or uppercase A-Z) EBCDIC plant code that identifies the plant of manufacture for the configuration. The plant code is left-justified with trailing blank characters if necessary.
100	(64)	CHARACTER	16	SI11V1CPCMODEL1	The 16-character (0-9 or uppercase A-Z) EBCDIC model identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary. Valid only when first word is not zero. Otherwise, field SI11V1CPCModelCapIdent represents both the model-capacity identifier and the model.
116	(74)	CHARACTER	16	SI11V1CPCMODELPERMCAPIDENT	When non-zero, the 16-character (0-9 or uppercase A-Z) EBCDIC model permanent capacity identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary.

CSRSIIDF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
132	(84)	CHARACTER	16	SI11V1CPCMODELTEMPCAPIDENT	When non-zero, the 16-character (0-9 or uppercase A-Z) EBCDIC model temporary capacity identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary.
148	(94)	SIGNED	4	SI11V1CPCMODELPCAPRATING	When non-zero, an unsigned integer whose value is associated with the model capacity as identified by field SI11V1CPCModelCapIdent.
152	(98)	SIGNED	4	SI11V1CPCMODELPERMCAPRATING	When non-zero, an unsigned integer whose value is associated with the model permanent capacity as identified by field SI11V1CPCModelPermCapIdent.
156	(9C)	SIGNED	4	SI11V1CPCMODELTEMPCAPRATING	When non-zero, an unsigned integer whose value is associated with the model temporary capacity as identified by field SI11V1CPCModelTempCapIdent.
160	(A0)	CHARACTER	8	SI11V1DIAG	Name no longer used
160	(A0)	CHARACTER	8	SI11V1TYPENPCTG	Type N Pctg: Each of the byte fields contains an 8-bit unsigned binary integer whose value is in the range 0-100 and represents a percentage. When non-zero, the percentage may be used to affect the use and allowed utilization of the secondary-CPU's whose CPU type corresponds to the particular byte. When a byte in this range contains a value of zero, use rules of the corresponding secondary-CPU type are not overridden.
160	(A0)	BITSTRING	1	SI11V1_TYPE1PCTG	
161	(A1)	BITSTRING	1	SI11V1_TYPE2PCTG	
162	(A2)	BITSTRING	1	SI11V1_TYPE3PCTG	
163	(A3)	BITSTRING	1	SI11V1_TYPE4PCTG	
164	(A4)	BITSTRING	1	SI11V1_TYPE5PCTG	
165	(A5)	CHARACTER	3		Reserved
168	(A8)	SIGNED	4	SI11V1_NOMMCR	Nominal Model-Capacity Rating. When non-zero, an unsigned integer whose value is associated with the nominal model capacity as identified by SI11V1CPCModelCapIdent
172	(AC)	SIGNED	4	SI11V1_NOMMPCR	Nominal Model-Permanent-Capacity. Rating. When non-zero, an unsigned integer whose value is associated with the nominal model-permanent capacity as identified by SI11V1CPCModelPermCapIdent
176	(B0)	SIGNED	4	SI11V1_NOMMTCR	Nominal Model-Temporary-Capacity Rating. When non-zero, an unsigned integer whose value is associated with the nominal model-temporary capacity as identified by SI11V1CPCModelTempCapIdent
180	(B4)	CHARACTER	3916		Reserved
180	(B4)	X'1000'	0	SI11V1_LEN	**-SI11V1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SI22V1	
0	(0)	BITSTRING	1	SI22V1FORMAT	When the value is 1, the ACCOffset field is valid
1	(1)	CHARACTER	1		Reserved
2	(2)	SIGNED	2	SI22V1ACCOFFSET	Alternate Cpu Capability Offset. A 16-bit unsigned binary integer that specifies the offset in bytes of the alternate-CPU-capability area (which is physically within the SI22V1 area, and is mapped by DSECT SI22V1ALT)
4	(4)	CHARACTER	4	SI22V1_DIAG004	Diagnostic Data for IBM use only
8	(8)	CHARACTER	16		Reserved
24	(18)	SIGNED	4	SI22V1_NOMCC	Nominal CPU Capability. When not 0, this word is formatted and encoded the same as the CPU Capability word. When SI11V1CAI is zero, this word is 0. The nonzero value equals the value in SI22V1CpuCapability when SI11V1CAI is 100. When SI11V1CAI is nonzero and less than 100, this field indicates a CPU speed greater than the CPU speed in SI22V1CpuCapability
28	(1C)	CHARACTER	4	SI22V1SECONDARYCUPUCAPABILITY	If bits 0-8 are 0, this is an unsigned 32-bit binary integer. Otherwise this is a 32-bit binary floating point short format number. When not zero, this field specifies a secondary capability that may be applied to certain types of CPUs in the configuration. Regardless of encoding, a lower number indicates a proportionally higher CPU capability. There is no formal description of the algorithm used to generate this integer, except that it is the same algorithm used to generate the CPU capability. The integer is used as an indication of the capability of a CPU relative to the capability of other CPU models, and also relative to the capability of other CPU types within a model. When the value is zero, all CPUs of any CPU type in the configuration have the same capability, as specified by the CPU capability.
32	(20)	CHARACTER	4	SI22V1CUPUCAPABILITY	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					If bits 0-8 are 0, this is an unsigned 32-bit binary integer. Otherwise this is a 32-bit binary floating point short format number. Regardless of encoding, a lower number indicates a proportionally higher CPU capability. This field specifies the capability of one of the CPUs contained in the configuration. There is no formal description of the algorithm used to generate this integer. It is used as an indication of the capability of the CPU relative to the capability of other CPU models.
36	(24)	BITSTRING	2	SI22V1TOTALCPUCOUNT	A 16-bit unsigned binary integer that specifies the total number of CPUs contained in the physical machine configuration. This number includes all CPUs in the configured state, the standby state, or the reserved state.
38	(26)	BITSTRING	2	SI22V1CONFIGUREDCPUCOUNT	A 16-bit unsigned binary integer that specifies the total number of CPUs that are in the configured state in the physical machine configuration. A CPU is in the configured state when it is in the configuration and available to be used to execute programs.
40	(28)	BITSTRING	2	SI22V1STANDBYCPUCOUNT	A 16-bit unsigned binary integer that specifies the total number of CPUs that are in the standby state in the physical machine configuration. A CPU is in the standby state when it is in the configuration, is not available to be used to execute programs, but can be used to execute programs by issuing instructions to place it in the configured state. It may be possible to place a reserved CPU in the standby or configured state by means of manual actions.
42	(2A)	BITSTRING	2	SI22V1RESERVEDCPUCOUNT	A 16-bit unsigned binary integer that specifies the total number of CPUs that are in the reserved state in the physical machine configuration. A CPU is in the reserved state when it is in the configuration, is not available to be used to execute programs, and cannot be made available by issuing instructions to place it in the configured state. It may be possible to place a reserved CPU in the standby or configured state by means of manual actions.
44	(2C)	CHARACTER	4052	SI22V1MPCPUCAPABILITYAFS	A series of contiguous 2-byte fields, each containing a 16-bit unsigned binary integer which is an adjustment factor (fraction) for the value contained in the CPU-capability field. Such a fraction is developed by using the value (V) of the first two-byte field according to one of the following methods: - If V is in the range $0 < V \leq 100$, a denominator of 100 is indicated which produces a fraction of $V/100$. - If V is in the range $100 < V \leq 255$, a denominator of 255 is indicated which produces a fraction of $V/255$. - If V is in the range $255 < V \leq 65,535$, a denominator of 65,535 is indicated which produces a fraction of $V/65,535$. Thus, the fraction represented by each two-byte field is then developed by dividing the contents of a two-byte field by the indicated denominator. The number of adjustment-factor fields is one less than the number of CPUs specified in the total-CPU-count field. The adjustment-factor fields correspond to configurations with increasing numbers of CPUs in the configured state. The first adjustment-factor field corresponds to a configuration with two CPUs. Each successive adjustment-factor field corresponds to a configuration with a number of CPUs that is one more than that for the preceding field.
44	(2C)	CHARACTER	2	SI22V1MPCPUCAPABILITYAF	Each individual adjustment factor.
4096	(1000)	X'1000'	0	SI22V1_LEN	**SI22V1"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SI22V1ALT	
0	(0)	SIGNED	4	SI22V1ALTCPUCAPABILITY	If bits 0-8 are 0, this is an unsigned 32-bit binary integer. Otherwise this is a 32-bit binary floating point short format number. This field specifies the announced capability of one of the CPUs in the configuration. There is no formal description of the algorithm used to generate this integer. The integer is used as an indication of the announced capability of the CPU relative to the announced capability of other CPU models. The alternate-capability value applies to each of the CPUs in the configuration. That is, all CPUs in the configuration have the same alternate capability.
4	(4)	CHARACTER	4052	SI22V1ALTMPCPUCAPABILITYAFS	

CSRSIIDF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	CHARACTER	2	SI22V1ALTMPCPUCAPABILITYAF	A series of contiguous 2-byte fields, each containing a 16-bit unsigned binary integer which is an adjustment factor (fraction) for the value contained in the alternate-CPU- capability field. Such a fraction is developed by using the value (V) of the first two-byte field according to one of the following methods: - If V is in the range 0 < V <= 100, a denominator of 100 is indicated which produces a fraction of V/100. - If V is in the range 100 < V <= 255, a denominator of 255 is indicated which produces a fraction of V/255. - If V is in the range 255 < V <= 65,535, a denominator of 65,535 is indicated which produces a fraction of V/65,535. Thus, the fraction represented by each two-byte field is then developed by dividing the contents of a twobyte field by the indicated denominator. The number of alternate-adjustment-factor fields is one less than the number of CPUs specified in the total-CPU-count field. The alternate-adjustment-factor fields correspond to configurations with increasing numbers of CPUs in the configured state. The first alternate-adjustment-factor field corresponds to a configuration with two CPUs in the configured state. Each successive alternate- adjustment-factor field corresponds to a configuration with a number of CPUs in the configurd state that is more than that for the preceding field.
4056	(FD8)	'X'FD8'	0	SI22V1ALT_LEN	Each individual adjustment factor.
					**_SI22V1ALT"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SI22V2	
0	(0)	CHARACTER	32		Reserved
32	(20)	BITSTRING	2	SI22V2LPARNUMBER	A 16-bit unsigned binary integer which is the number of the level-2 configuration. This number distinguishes the configuration from all other level-2 configurations provided by the same logical-partition hypervisor
32	(20)	BITSTRING	2	SI22V2CPCNUMBER	
34	(22)	CHARACTER	1		Reserved
35	(23)	CHARACTER	1	SI22V2LPCUCHARACTERISTICS	The characteristics of the logical CPUs that are provided for the level-2 configuration

Comment

Bit definitions:

End of Comment

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SI22V2LCPUDEDICATED

"X'80" When one, indicates that one or more of the logical CPUs for this level-2 configuration are provided using level-1 CPUs that are dedicated to this level-2 configuration and are not used to provide logical CPUs for any other level-2 configuration. The number of logical CPUs that are provided using dedicated level-1 CPUs is specified by the dedicated-LCPU-count value. When zero, bit 0 indicates that none of the logical CPUs for this level-2 configuration are provided using level-1 CPUs that are dedicated to this level-2 configuration.

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SI22V2LCPUSHARED

"X'40" When one, indicates that one or more of the logical CPUs for this level-2 configuration are provided using level-1 CPUs that can be used to provide logical CPUs for other level-2 configurations. The number of logical CPUs that are provided using shared V1 CPUs is specified by the shared-LCPU-count value. When zero, it indicates that none of the logical CPUs for this level-2 configuration are provided using shared level-1 CPUs.

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SI22V2LCPUULIMIT

"X'20" Utilization limit: When one, indicates that the amount of use of the level-1 CPUs that are used to provide the logical CPUs for this level-2 configuration is limited. When zero, it indicates that the amount of use of the level-1 CPUs that are used to provide the logical CPUs for this level-2 configuration is unlimited.

36 (24) BITSTRING 2

SI22V2TOTALLCPUCOUNT

A 16-bit unsigned binary integer that specifies the total number of logical CPUs that are provided for this level-2 configuration. This number includes all of the logical CPUs that are in the configured state, the standby state, and the reserved state.

38 (26) BITSTRING 2

SI22V2CONFIGUREDLCPUCOUNT

A 16-bit unsigned binary integer that specifies the total number of logical CPUs for this level-2 configuration that are in the configured state. A logical CPU is in the configured state when it is in the level-2 configuration definition and is available to be used to execute programs.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	BITSTRING	2	SI22V2STANDBYLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-2 configuration that are in the standby state. A logical CPU is in the standby state when it is in the level-2 configuration, is not available to be used to execute programs, and can be made available by issuing instructions to place it in the the configured state.
42	(2A)	BITSTRING	2	SI22V2RESERVEDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the total number of CPUs for this level-2 configuration that are in the reserved state. A logical CPU is in the reserved state when it is in the level-2 configuration, is not available to be used to execute programs, and cannot be made available by issuing instructions to place it in the configured state. It may be possible to place the reserved CPU in the standby or configured state through manually initiated actions
44	(2C)	CHARACTER	8	SI22V2LPARNAME	The 8-character EBCDIC name of this level-2 configuration. The name is left-justified with trailing blank characters if necessary.
44	(2C)	CHARACTER	8	SI22V2CPCNAME	
52	(34)	CHARACTER	4	SI22V2LPARCAPABILITYAF	Capability Adjustment Factor (CAF). An 32-bit unsigned binary integer with a value of 1000 or less. The adjustment factor specifies the amount of the underlying level-1-configuration capability that is allowed to be used for this level-2 configuration by the LPAR hypervisor. The fraction of level-1-configuration capability is determined by dividing the CAF value by 1000.
52	(34)	CHARACTER	4	SI22V2CPCCAPABILITYAF	
56	(38)	CHARACTER	8	SI22V2LPARORIGIN	A 64-bit unsigned binary integer, called a logical partition origin, which represents the relocation-zone origin of the logical partition
64	(40)	CHARACTER	8		Reserved
72	(48)	BITSTRING	2	SI22V2DEDICATEDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of configured-state logical CPUs for this level-2 configuration that are provided using dedicated level-1 CPUs. (See the description of bit SI22V2LCPUDedicated.)
74	(4A)	BITSTRING	2	SI22V2SHAREDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of configured-state logical CPUs for this level-2 configuration that are provided using shared level-1 CPUs. (See the description of bit SI22V2LCPUShared.)
76	(4C)	CHARACTER	4020		Reserved
76	(4C)	X'1000'	0	SI22V2_LEN	"*-SI22V2"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SI22V3	
0	(0)	CHARACTER	28		Reserved
28	(1C)	CHARACTER	3		Reserved
31	(1F)	BITSTRING	1	SI22V3DBCOUNTFIELD	

Comment

Bit definitions:

End of Comment

		.... 1111		SI22V3DBCOUNT	"X'0F" Description Block Count. A 4-bit unsigned binary integer that indicates the number (up to 8) of virtual machine description blocks that are stored in the SI22V3DBs field.
32	(20)	CHARACTER	512	SI22V3DBS	From 1 to 8 64-byte virtual machine description blocks, depending on the number of nested level-3 configurations, if any, and their processing characteristics.
32	(20)	CHARACTER	64	SI22V3DBE	An individual entry, mapped by dsect SI22V3DB
544	(220)	CHARACTER	3552		Reserved
544	(220)	X'1000'	0	SI22V3_LEN	"*-SI22V3"

CSRSIIDF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SI22V3DB	V3 Description Block. When a level-3 configuration is provided by a virtual-machine control program and the control program is being executed by a level-3 configuration provided by another virtual-machine control program, the level-3 configurations are said to be "nested." Level-3 configurations can be nested in this way for several levels. The collection of nested level-3 configurations that is in the path between a program being executed by a level-3 configuration and the basic machine is called a "level-3 configuration stack." The level-3 configurations provided by a virtual-machine control program being executed by either a level-2 configuration or a level-1 configuration is the lowest-numbered (0) level-3 configuration in the stack. The level-3 configuration that is executing the program containing this instruction is the highest numbered (N) level-3 configuration in the stack. If more than one virtual-machine description block is stored, the blocks are stored according to the following rules: 1.The collection of level-3 configurations described is a contiguous subset of the total collection of level-3 configurations in the level-3 configuration stack. The subset always includes the highest numbered level-3 configuration in the stack. One or more level-3 configurations at the bottom of the stack may not be described because STSI is not implemented by the highest of those configurations or the limit of eight description blocks would be exceeded. 2.The highest-numbered level-3 configuration in the level-3 configuration stack is always described by the first description block. The lowest-numbered level-3 configuration in the stack, of those that are included in the subset that is described, is described by the last description block provided.
0	(0)	CHARACTER	4		Reserved
4	(4)	BITSTRING	2	SI22V3DBTOTALCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration. This number includes all of the logical CPUs that are in the configured state, the standby state, and the reserved state.
6	(6)	BITSTRING	2	SI22V3DBCONFIGUREDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration that are in the configured state. A logical CPU is in the configured state when it is in the level-3 configuration and is available to be used to execute programs.
8	(8)	BITSTRING	2	SI22V3DBSTANDBYLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration that are in the standby state. A logical CPU is in the standby state when it is in the level-3 configuration, is not available to be used to execute programs, and can be made available by issuing instructions to place it in the configured state.
10	(A)	BITSTRING	2	SI22V3DBRESERVEDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration that are in the reserved state. A logical CPU is in the reserved state when it is in the level-3 configuration, is not available to be used to execute programs, and cannot be made available by issuing instructions to place it in the configured state. It may be possible to place the CPU in the standby or configured state through manual actions
12	(C)	CHARACTER	8	SI22V3DBVMNAME	The 8-character EBCDIC name of this level-3 configuration. The name is left-justified with trailing blank characters if necessary.
12	(C)	CHARACTER	8	SI22V3DBCPCNAME	
20	(14)	CHARACTER	4	SI22V3DBVMCAF	A 4-byte unsigned binary integer that specifies an adjustment factor. The adjustment factor specifies the amount of the underlying level-1-, level-2-, or level-3-configuration capability that is allowed to be used for this level-3 configuration by the virtual-machine control program. The fraction of the underlying capability is determined by dividing the CAF value by 1000.
20	(14)	CHARACTER	4	SI22V3DBCPCCAF	
24	(18)	CHARACTER	16	SI22V3DBCPIIDENTIFIER	The 16-character EBCDIC identifier of the virtual-machine control program that provides this level-3 configuration. This identifier may include qualifiers such as version number and release level. The identifier is left-justified with trailing blank characters if necessary.
24	(18)	CHARACTER	16	SI22V3DBVMHPIDENTIFIER	
40	(28)	CHARACTER	24		Reserved
40	(28)	X'40'	0	SI22V3DB_LEN	**SI22V3DB"

CSRSIIDF Cross Reference

Name	Hex Offset	Hex Value
CSRSI_BADINFOAREALEN	38	10
CSRSI_BADLOCK		
CSRSI_BADREQUEST	38	14
CSRSI_REQUEST_V1CPC_MACHINE	38	C
CSRSI_REQUEST_V2CPC_LPAR	38	1
CSRSI_REQUEST_V3CPC_VM	38	2
CSRSI_SERVICENOTAVAILABLE	38	4
CSRSI_ST SINOTAVAILABLE	38	8
CSRSI_SUCCESS	38	4
SIV1	0	
SIV1_LEN	1040	2040
SIV1SI00	0	
SIV1SI11V1	40	
SIV1SI22V1	1040	
SIV1V2	0	
SIV1V2_LEN	2040	3040
SIV1V2SI00	0	
SIV1V2SI11V1	40	
SIV1V2SI22V1	1040	
SIV1V2SI22V2	2040	
SIV1V2V3	0	
SIV1V2V3_LEN	3040	4040
SIV1V2V3SI00	0	
SIV1V2V3SI11V1	40	
SIV1V2V3SI22V1	1040	
SIV1V2V3SI22V2	2040	
SIV1V2V3SI22V3	3040	
SIV1V3	0	
SIV1V3_LEN	2040	3040
SIV1V3SI00	0	
SIV1V3SI11V1	40	
SIV1V3SI22V1	1040	
SIV1V3SI22V3	2040	
SIV2	0	
SIV2_LEN	40	1040
SIV2SI00	0	
SIV2SI22V2	40	
SIV2V3	0	
SIV2V3_LEN	1040	2040
SIV2V3SI00	0	
SIV2V3SI22V2	40	
SIV2V3SI22V3	1040	
SIV3	0	
SIV3_LEN	40	1040
SIV3SI00	0	
SIV3SI22V3	40	
SI00	0	
SI00_LEN	38	40
SI00CPCVARIETY		
SI00CPCVARIETY_V1CPC_MACHINE	38	1
SI00CPCVARIETY_V2CPC_LPAR	38	2
SI00CPCVARIETY_V3CPC_VM	38	3
SI00LASTUPDATETIMESTAMP	18	
SI00NONINTERFACE		

Name	Hex Offset	Hex Value
SI00PCCA_CPU_ADDRESS_MASK	38	
SI00PCCA_CPU_ADDRESS_MASK_OFFSET	20	
SI00PCCA_PARTIALCPUMASK	28	
SI00PCCA_PARTIALCPUMASKOFFSET	20	
SI00PCCACAFM	12	
SI00PCCACPID	4	
SI00PCCACPUA	10	
SI00VALIDITYFLAGS	1	
SI00VALIDSII11V1		
SI00VALIDSII22V1	1	80
SI00VALIDSII22V2	1	40
SI00VALIDSII22V3	1	20
SI11V1	0	
SI11V1_LEN	B4	1000
SI11V1_NOMMCR	A8	
SI11V1_NOMMPCR	AC	
SI11V1_NOMMTCR	B0	
SI11V1_TRANSIENT	0	1
SI11V1_TY PENPCTGV	0	80
SI11V1_TYPE1PCTG	A0	
SI11V1_TYPE2PCTG	A1	
SI11V1_TYPE3PCTG	A2	
SI11V1_TYPE4PCTG	A3	
SI11V1_TYPE5PCTG	A4	
SI11V1CAI	3	
SI11V1CCR	2	
SI11V1CPCMANUFACTURER	20	
SI11V1CPCMODEL	40	
SI11V1CPCMODELCPIDENT	40	
SI11V1CPCMODELCPRATING	94	
SI11V1CPCMODELPERMCPIDENT	74	
SI11V1CPCMODELPERMCPRATING	98	
SI11V1CPCMODELTEMPCAPIDENT	84	
SI11V1CPCMODELTEMPCAPRATING	9C	
SI11V1CPCMODEL1	64	
SI11V1CPCPLANTOFMANUFACTURE	60	
SI11V1CPCSEQUENCECODE	50	
SI11V1CPCTYPE	30	
SI11V1DIAG	A0	
SI11V1FLAGS	0	

CSRSIIDF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SI11V1TYPENPCTG			SI22V3DB_LEN	28	40
SI22V1	A0		SI22V3DBCONFIGUREDLCPUCOUNT		
SI22V1_DIAG004	0			6	
	4		SI22V3DBCOUNT		
SI22V1_LEN	1000	1000		1F	F
SI22V1_NOMCC	18		SI22V3DBCOUNTFIELD		
SI22V1ACCOFFSET				1F	
	2		SI22V3DBCPCCAF		
SI22V1ALT	0			14	
SI22V1ALT_LEN			SI22V3DBCPCNAME		
	FD8	FD8		C	
SI22V1ALTCPUCAPABILITY			SI22V3DBCPIDENTIFIER		
	0			18	
SI22V1ALTMPCPUCAPABILITYAF			SI22V3DBE		
	4			20	
SI22V1ALTMPCPUCAPABILITYAFS			SI22V3DBRESERVEDLCPUCOUNT		
	4			A	
SI22V1CONFIGUREDLCPUCOUNT			SI22V3DBS		
	26			20	
SI22V1CPUCAPABILITY			SI22V3DBSTANDBYLCPUCOUNT		
	20			8	
SI22V1FORMAT	0		SI22V3DBTOTALLCPUCOUNT		
SI22V1MPCPUCAPABILITYAF				4	
	2C		SI22V3DBVMCAF		
SI22V1MPCPUCAPABILITYAFS				14	
	2C		SI22V3DBVMHPIDENTIFIER		
SI22V1RESERVEDLCPUCOUNT				18	
	2A		SI22V3DBVMNAME		
SI22V1SECONDARYCPUCAPABILITY				C	
	1C				
SI22V1STANDBYCPUCOUNT					
	28				
SI22V1TOTALLCPUCOUNT					
	24				
SI22V2	0				
SI22V2_LEN	4C	1000			
SI22V2CONFIGUREDLCPUCOUNT					
	26				
SI22V2CPCCAPABILITYAF					
	34				
SI22V2CPCNAME					
	2C				
SI22V2CPCNUMBER					
	20				
SI22V2DEDICATEDLCPUCOUNT					
	48				
SI22V2LCPUCAPABILITYAF					
	23				
SI22V2LCPUCAPABILITYAFS					
	23	80			
SI22V2LCPUCAPABILITYAFS					
	23	40			
SI22V2LCPUCAPABILITYAFS					
	23	20			
SI22V2LCPUCAPABILITYAFS					
	34				
SI22V2LCPUCAPABILITYAFS					
	2C				
SI22V2LCPUCAPABILITYAFS					
	20				
SI22V2LCPUCAPABILITYAFS					
	38				
SI22V2LCPUCAPABILITYAFS					
	2A				
SI22V2LCPUCAPABILITYAFS					
	4A				
SI22V2LCPUCAPABILITYAFS					
	28				
SI22V2LCPUCAPABILITYAFS					
	24				
SI22V3	0				
SI22V3_LEN	220	1000			
SI22V3DB	0				

CSRYCMPD Information

CSRYCMPD Programming Interface information

Programming Interface information

CSRYCMPD

End of Programming Interface information

CSRYCMPD Heading Information • CSRYCMPD Map

CSRYCMPD Heading Information

Common Name: Compression/Expansion dictionary mappings
Macro ID: CSRYCMPD
DSECT Name: CMPSCDICT_CE CMPSCDICT_SD CMPSCDICT_SDE CMPSCDICT_UE CMPSCDICT_PE
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: CMPSCDICT_CE -- X'0008' bytes
 CMPSCDICT_SD -- X'0008' bytes
 CMPSCDICT_SDE -- X'0008' bytes
 CMPSCDICT_UE -- X'0008' bytes
 CMPSCDICT_PE -- X'0008' bytes
Created by: User of CSRCMPSC service. Address passed as a parameter within
 CMPSC area provided via CBLOCK keyword of CSRCMPSC
Pointed to by: Not applicable
Serialization: None required
Function: Maps the compression and expansion dictionaries.

The compression and expansion dictionaries must both begin on page boundaries. When compressing, the expansion dictionary must immediately follow (be contiguous to) the compression dictionary.

Each dictionary consists of 512, 1024, 2048, 4096, or 8192 8-byte entries. These are indicated by a value of 1, 2, 3, 4, or 5 in the CMPSC_SYMSIZE field which is part of the parameter information passed to the CSRCMPSC service.

The compression dictionary consists of child entries (DSECT CMPSCDICT_CE), sibling descriptors (DSECT CMPSCDICT_SD), sibling descriptor extensions (DSECT CMPSCDICT_SDE). Note that the latter are physically resident within the expansion dictionary.

The expansion dictionary consists of unpreceded entries (DSECT CMPSCDICT_UE) and preceded entries (DSECT CMPSCDICT_PE).

CSRYCMPD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMPSCDICT_CE	, Dictionary format for compression, Child character entry
0	(0)	BITSTRING	1	CMPSCDICT_CE_H1	First byte of header
		111.		CMPSCDICT_CE_CHILDCT	"X'E0" Child character count
		...1 1111		CMPSCDICT_CE_EXCHILD	"X'1F" Examine child bits
1	(1)	BITSTRING	2	CMPSCDICT_CE_H23	Second/third bytes of header
		111.		CMPSCDICT_CE_AECCT	"X'E0" Additional extension count
		11..		CMPSCDICT_CE_EXSIB	"X'CO" Examine sibling bits
		..1.		CMPSCDICT_CE_ADDEXTCHAR	"X'20" If on, add ext character
1	(1)	BITSTRING	1	CMPSCDICT_CE_FIRSTCHILDINDEX_REPLACED	(0)
1	(1)	BITSTRING	0	CMPSCDICT_CE_FIRSTCHILDINDEX	"X'1FFF" This mask can be used to isolate the 13-bits of field CMPSCDICT_CE_H23 that represent the index of the first child
3	(3)	CHARACTER	5	CMPSCDICT_CE_CHILDCHAR	Child character entries
		..1.		CMPSCDICT_CE_CHILDCT_1	"B'00100000" Value of 1 for CMPSCDICT_CE_CHILDCT within field CMPSCDICT_CE_H1
		..1.		CMPSCDICT_CE_AECCT_1	"B'00100000" Value of 1 for CMPSCDICT_CE_AECCT within field CMPSCDICT_CE_H23
3	(3)	X'8'	0	CMPSCDICT_CE_LEN	"*-CMPSCDICT_CE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMPSCDICT_SD	, Dictionary format for compression, Sibling descriptor
0	(0)	BITSTRING	2	CMPSCDICT_SD_HD	Header
		1111		CMPSCDICT_SD_SIBCT	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	1	CMPSCDICT_SD_EXSIB_REPLACED (0)	"X'F0" Sibling count
0	(0)	BITSTRING	0	CMPSCDICT_SD_EXSIB	"X'0FFF" This represents a 12-bit subfield of CMPSCDICT_SD_HD. Each bit indicates to examine the corresponding sibling.
2	(2)	CHARACTER	6	CMPSCDICT_SD_CHILDCHAR	Sibling character entries
		...1		CMPSCDICT_SD_SIBCT_1	"B'00010000" Value of 1 for CMPSCDICT_SD_SIBCT within field CMPSCDICT_SD_HD
2	(2)	X'8'	0	CMPSCDICT_SD_LEN	**_CMPSCDICT_SD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMPSCDICT_SDE	, Dictionary format for compression, Sibling descriptor entry in expansion dictionary
0	(0)	CHARACTER	8	CMPSCDICT_SDE_CHILDCHAR	Sibling character entries
0	(0)	X'8'	0	CMPSCDICT_SDE_LEN	**_CMPSCDICT_SDE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMPSCDICT_UE	, Dictionary format for expansion, Unpreceded expansion entry
0	(0)	BITSTRING	1	CMPSCDICT_UE_HD	Header
		111.		CMPSCDICT_UE_PARTSYMLEN	"X'E0" Partial symbol length = 0
		.... .111		CMPSCDICT_UE_COMPSYMLN	"X'07" Completed symbol length
1	(1)	CHARACTER	7	CMPSCDICT_UE_CHARS	Extension characters
		.... ...1		CMPSCDICT_UE_COMPSYMLN_1	"B'00000001" Value of 1 for CMPSCDICT_UE_COMPSYMLN within field CMPSCDICT_UE_HD
1	(1)	X'8'	0	CMPSCDICT_UE_LEN	**_CMPSCDICT_UE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMPSCDICT_PE	, Dictionary format for expansion, Preceded expansion entry
0	(0)	CHARACTER	2	CMPSCDICT_PE_HD	Header
		111.		CMPSCDICT_PE_PARTSYMLEN	"X'E0" Partial symbol length = 0
0	(0)	BITSTRING	1	CMPSCDICT_PE_PRECENTINDEX_REPLACED (0)	"X'1FFF" This mask can be used to isolate the 13-bits of field CMPSCDICT_PE_HD that represent the index of the preceding entry
0	(0)	BITSTRING	0	CMPSCDICT_PE_PRECENTINDEX	
2	(2)	CHARACTER	5	CMPSCDICT_PE_CHARS	Extension characters
7	(7)	SIGNED	1	CMPSCDICT_PE_OFFSET	Offset where first character in CMPSCDICT_PE_CHARS belongs
		..1.		CMPSCDICT_PE_PARTSYMLEN_1	"B'00100000" Value of 1 for CMPSCDICT_PE_PARTSYMLEN within field CMPSCDICT_PE_HD
7	(7)	X'8'	0	CMPSCDICT_PE_LEN	**_CMPSCDICT_PE"

CSRYCMPD Cross Reference

CSRYCMPD Cross Reference

Name	Hex Offset	Hex Value
CMPSCDICT_CE	0	
CMPSCDICT_CE_ADDEXTCHAR	1	20
CMPSCDICT_CE_AECCT	1	E0
CMPSCDICT_CE_AECCT_1	3	20
CMPSCDICT_CE_CHILDCHAR	3	
CMPSCDICT_CE_CHILDCT	0	E0
CMPSCDICT_CE_CHILDCT_1	3	20
CMPSCDICT_CE_EXCHILD	0	1F
CMPSCDICT_CE_EXSIB	1	C0
CMPSCDICT_CE_FIRSTCHILDINDEX	1	1FFF
CMPSCDICT_CE_FIRSTCHILDINDEX_REPLACED	1	
CMPSCDICT_CE_H1	0	
CMPSCDICT_CE_H23	1	
CMPSCDICT_CE_LEN	3	8
CMPSCDICT_PE	0	
CMPSCDICT_PE_CHARS	2	
CMPSCDICT_PE_HD	0	
CMPSCDICT_PE_LEN	7	8
CMPSCDICT_PE_OFFSET	7	
CMPSCDICT_PE_PARTSYMLEN	0	E0
CMPSCDICT_PE_PARTSYMLEN_1	7	20
CMPSCDICT_PE_PRECENTINDEX	0	1FFF
CMPSCDICT_PE_PRECENTINDEX_REPLACED	0	
CMPSCDICT_SD	0	
CMPSCDICT_SD_CHILDCHAR	2	
CMPSCDICT_SD_EXSIB	0	FFF
CMPSCDICT_SD_EXSIB_REPLACED	0	
CMPSCDICT_SD_HD	0	
CMPSCDICT_SD_LEN	2	8
CMPSCDICT_SD_SIBCT	0	F0
CMPSCDICT_SD_SIBCT_1	2	10
CMPSCDICT_SDE	0	
CMPSCDICT_SDE_CHILDCHAR	0	
CMPSCDICT_SDE_LEN	0	8
CMPSCDICT_UE	0	
CMPSCDICT_UE_CHARS	1	
CMPSCDICT_UE_COMPSYMLN	0	7
CMPSCDICT_UE_COMPSYMLN_1	1	1

Name	Hex Offset	Hex Value
CMPSCDICT_UE_HD	0	
CMPSCDICT_UE_LEN	1	8
CMPSCDICT_UE_PARTSYMLEN	0	E0

CSRYCMPS Information

CSRYCMPS Programming Interface information

Programming Interface information

CSRYCMPS

End of Programming Interface information

CSRYCMPS Heading Information • CSRYCMPS Map

CSRYCMPS Heading Information

Common Name: Compression parameter block
Macro ID: CSRYCMPS
DSECT Name: CMPSC
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: CMPSC -- X'0024' bytes
Created by: Caller of CSRCMPSC service and passed as parameter on CBLOCK keyword on CSRCMPSC
Pointed to by: Not applicable
Serialization: None required
Function: Maps the compression service parameter area.

It represents the data needed by the compression service for which it is to be specified on the CBLOCK keyword.

Provides equates for return codes from the compression service.

CSRYCMPS Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	CMPSC	Compression parameter block	
0	(0)	BITSTRING	4	CMPSC_FLAGS	Flag bits within which only the SymSize and Expand fields should be set. All other fields must be 0.	
0	(0)	BITSTRING	1	CMPSC_FLAGS_BYTE0	Byte 0 of flags	
1	(1)	BITSTRING	1	CMPSC_FLAGS_BYTE1	Byte 1 of flags	
Comment						
Bit definitions:						
End of Comment						
		.... ..1.		CMPSC_ZEROPADDINGOK	"X'02" Zero padding of the output operand on the right up to the operand length and up to a model-dependant integral boundary is OK. IBM suggests that you specify this bit. The bit will be ignored if the machine does not support the capability, so the bit can be set unconditionally.	
2	(2)	BITSTRING	1	CMPSC_FLAGS_BYTE2	Byte 2 of flags	
Comment						
Bit definitions:						
End of Comment						
		1111		CMPSC_SYMSIZE	"X'F0" When 8 is added, indicates size in bits of a compressed entry. Must be 1-5. You can use the assembler CMPSC_SYMSIZE equate to define a value that you can use to clear the field prior to use. You can use the assembler equates CMPSC_SYMSIZE_n to set the field	
3	(3)	.... ..1		CMPSC_EXPAND	"X'01" If on, do an expand operation. Otherwise compress	
		BITSTRING	1	CMPSC_FLAGS_BYTE3	Byte 3 of flags	
4	(4)	ADDRESS	4	CMPSC_DICTADDR	Address of the dictionary for the compress/expand function on a page boundary. Low order 12 bits of the field are treated as 0s when forming the address. Low order 3 bits contain a bit number.	
4	(4)	BITSTRING	3			
7	(7)	BITSTRING	1	CMPSC_DICTADDR_BYTE3		
Comment						
Bit definitions:						
End of Comment						

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .111		CMPSC_BITNUM	"X'07" If compressing, place the first compression symbol at this bit in the leftmost byte. If expanding, expand beginning with the compression symbol that begins with this bit in the left-most byte. Normally, this bit should be set to 0 for the start of compression. For expansion, it should be set to the same value used for the start of compression. Upon completion of the operation, the value is set to the bit number of the bit following the last bit of compressed data.
8	(8)	ADDRESS	4	CMPSC_TARGETADDR	Address of area to which compression/expansion is to be done. Upon completion of the request, this address has been increased by the number of bytes processed.
12	(C)	SIGNED	4	CMPSC_TARGETLEN	Length of area to which compression/expansion is to be done. Upon completion of the request, this length has been decreased by the number of bytes processed.
16	(10)	ADDRESS	4	CMPSC_SOURCEADDR	Address of area from which compression/expansion is to be done. Upon completion of the request, this address has been increased by the number of bytes processed.
20	(14)	SIGNED	4	CMPSC_SOURCELEN	Length of area from which compression/expansion is to be done. For expansion, the length should be the difference between the TargetLen at completion of compression and the TargetLen at start of compression, incremented by 1 if field CMPSC_BITNUM was non-zero upon completion of compression. Upon completion of the request, this length has been decreased by the number of bytes processed.
24	(18)	SIGNED	4	CMPSC_TARGETALET	The ALET of the space in which the target area resides. Should be 0 for primary ASC mode callers.
28	(1C)	SIGNED	4	CMPSC_SOURCEALET	The ALET of the space in which the source area resides. Also the ALET of the space in which the dictionary resides. Should be 0 for primary ASC mode callers.
32	(20)	ADDRESS	4	CMPSC_WORKAREAADDR	Address of a 192-byte work area for use by the compression service. This area does not need to be provided if you have verified, by checking that bit CVTCMPSH is on, that the hardware CMPSC instruction is present. This work area should begin on a doubleword boundary.

Comment

Constants for setting CMPSC_SYMSIZE bits within
CMPSC_FLAGS_BYTE2

End of Comment

...1	....	CMPSC_SYMSIZE_1	"B'00010000" Symbol size of 1
..1.	....	CMPSC_SYMSIZE_2	"B'00100000" Symbol size of 2
..11	....	CMPSC_SYMSIZE_3	"B'00110000" Symbol size of 3
.1..	....	CMPSC_SYMSIZE_4	"B'01000000" Symbol size of 4
.1.1	....	CMPSC_SYMSIZE_5	"B'01010000" Symbol size of 5

Comment

Return codes

End of Comment

32	(20)	X'0'	0	CMPSC_RETCODE_OK	"0" No errors detected.
32	(20)	X'4'	0	CMPSC_RETCODE_TARGET	"4" Target operand exhausted before source.
32	(20)	X'10'	0	CMPSC_RETCODE_MISSINGOP	"16" An operand is missing.
32	(20)	X'14'	0	CMPSC_RETCODE_BADSYMSIZE	"20" Value in CMPSC_SYMSIZE is not supported. Must be 1-5.
32	(20)	X'18'	0	CMPSC_RETCODE_NOWORK	"24" No work to do. The compression area length (the target for compression, the source for expansion) is not large enough to hold even one compression symbol.
32	(20)	X'1C'	0	CMPSC_RETCODE_SYMBOLTOOLONG	

CSRYCMPS Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
32	(20)	X'20'	0	CMPSC_RETCODE_TOOMANYCHILDREN	"28" Compression dictionary processing exceeded the limit of 260 for the length of a compressed symbol
32	(20)	X'24'	0	CMPSC_RETCODE_BADCHILDCOUNT	"32" A dictionary entry exceeded the limit of 260 total children
32	(20)	X'28'	0	CMPSC_RETCODE_BADEXTCOUNT	"36" A dictionary entry exceeded the limit of a child count of 6
32	(20)	X'2C'	0	CMPSC_RETCODE_BADSIBCOUNT	"40" A dictionary entry exceeded the limit of 4 extension characters when there were 0 or 1 children
32	(20)	X'30'	0	CMPSC_RETCODE_TOOMANYENTRIES	"44" A sibling descriptor dictionary entry has a count of 0
32	(20)	X'24'	0	CMPSC_LEN	"48" Expansion of a symbol used more than 127 dictionary entries "-CMPSC"

CSRYCMPS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMPSC	0		CMPSC_SYMSIZE_5	20	40
CMPSC_BITNUM	7	7	CMPSC_TARGETADDR	20	50
CMPSC_DICTADDR	4		CMPSC_TARGETALET	8	
CMPSC_DICTADDR_BYTE3	7		CMPSC_TARGETLEN	18	
CMPSC_EXPAND	2	1	CMPSC_TARGETLEN	C	
CMPSC_FLAGS	0		CMPSC_WORKAREAADDR	20	
CMPSC_FLAGS_BYTE0	0		CMPSC_ZEROPADDINGOK	1	2
CMPSC_FLAGS_BYTE1	1				
CMPSC_FLAGS_BYTE2	2				
CMPSC_FLAGS_BYTE3	3				
CMPSC_LEN	20	24			
CMPSC_RETCODE_BADCHILDCOUNT	20	24			
CMPSC_RETCODE_BADEXTCOUNT	20	28			
CMPSC_RETCODE_BADSIBCOUNT	20	2C			
CMPSC_RETCODE_BADSYMSIZE	20	14			
CMPSC_RETCODE_MISSINGOP	20	10			
CMPSC_RETCODE_NOWORK	20	18			
CMPSC_RETCODE_OK	20	0			
CMPSC_RETCODE_SYMBOLTOOLONG	20	1C			
CMPSC_RETCODE_TARGET	20	4			
CMPSC_RETCODE_TOOMANYCHILDREN	20	20			
CMPSC_RETCODE_TOOMANYENTRIES	20	30			
CMPSC_SOURCEADDR	10				
CMPSC_SOURCEALET	1C				
CMPSC_SOURCELEN	14				
CMPSC_SYMSIZE	2	F0			
CMPSC_SYMSIZE_1	20	10			
CMPSC_SYMSIZE_2	20	20			
CMPSC_SYMSIZE_3	20	30			
CMPSC_SYMSIZE_4					

CSRYL16J Information

CSRYL16J Programming Interface information

Programming Interface information

CSRYL16J

End of Programming Interface information

CSRYL16J Heading Information • CSRYL16J Map

CSRYL16J Heading Information

Common Name: Load 16 and Jump Area
Macro ID: CSRYL16J
DSECT Name: L16J -- original parameter area L16J1 -- use when 64-bit GPR updates are needed
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: L16J -- X'00A8' bytes
 L16J1 -- X'0130' bytes
Created by: User of CSRYL16J. Passed as a parameter to CSRYL16J
Pointed to by: Parameter list passed to CSRYL16J
Serialization: None required
Function: Maps the data passed into CSRYL16J

CSRYL16J Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	L16J	Start of area	
0	(0)	SIGNED	4	L16JVERSION	Version -- Must be 0	
4	(4)	SIGNED	4	L16JLENGTH	Initialize to L16J_LEN (ASM) or Length(L16J) (PL/X)	
8	(8)	SIGNED	4	L16JSUBPOOL	Subpool of storage to be freed	
12	(C)	CHARACTER	64	L16JGRS (0)	General registers	
12	(C)	SIGNED	4	L16JGR	General register 0-15	
76	(4C)	CHARACTER	64	L16JARS (0)	Access registers	
76	(4C)	SIGNED	4	L16JAR	Access register 0-15	
140	(8C)	CHARACTER	8	L16JPSW (0)	PSW: the processing will use the address, Amode, ASC mode, CC, and program mask. For a supervisor state or PKM 0-7 or key 0-7 caller, it will use the state and key from the PSW. Otherwise, it will set to caller key and state.	
140	(8C)	BITSTRING	4	L16JPSWBYTE0TO3	First 4 bytes	
144	(90)	ADDRESS	4	L16JPSWADDR (0)	Address and AMODE	
148	(94)	BITSTRING	1	L16JPSWAMODE (0)	"X'80" AMODE	
		1... ..		L16JFLAGS (0)	Flags	
		1... ..		L16JPROCESSARS	"X'80" If on, ARs will be processed. Otherwise not. If not processed, ARs 0, 1, 14, and 15 are unpredictable. ARs 2-13 are taken from the values present when the service is entered.	
149	(95)	CHARACTER	3	L16JRSVD	Reserved	
152	(98)	ADDRESS	4	L16JAREATOFREE	Address of area to free. If this is non-0 and the length is non-0 then the area will be freed, using the subpool specified in L16JSubpool. This can be used to free the caller's entire dynamic area if so desired. When this option is specified, it is necessary that the area begin on a doubleword boundary.	
156	(9C)	SIGNED	4	L16JLENGHTHTOFREE	Length of area to free, in bytes	
160	(A0)	CHARACTER	8		Reserved. Must change version number in order to use.	
160	(A0)	X'A8'	0	L16J_LEN	"*-L16J"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	L16J1	Use L16J1 as opposed to L16J when 64-bit GPR processing is needed	
0	(0)	SIGNED	4	L16J1VERSION	Version -- Must be 1	
4	(4)	SIGNED	4	L16J1LENGTH	Initialize to L16J1_LEN (ASM) or Length(L16J1) (PL/X)	
8	(8)	SIGNED	4	L16J1SUBPOOL	Subpool of storage to be freed	
12	(C)	CHARACTER	64	L16J1RSVD1	Reserved. Must be zeroes.	
76	(4C)	CHARACTER	64	L16J1ARS (0)	Access registers	
76	(4C)	SIGNED	4	L16J1AR	Access register 0-15	
140	(8C)	CHARACTER	8	L16J1RSVD2	Reserved. Must be zeroes	
148	(94)	BITSTRING	1	L16J1FLAGS (0)	Flags	
		1... ..		L16J1PROCESSARS	"X'80" If on, ARs will be processed. Otherwise not. If not processed, ARs 0, 1, 14, and 15 are unpredictable. ARs 2-13 are taken from the values present when the service is entered.	
149	(95)	CHARACTER	3	L16J1RSVD	Reserved. Must be zeroes.	
152	(98)	ADDRESS	4	L16J1AREATOFREE		

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
156	(9C)	SIGNED	4	L16J1LENGHTHTOFFREE	Address of area to free. If this is non-0 and the length is non-0 then the area will be freed, using the subpool specified in L16J1Subpool. This can be used to free the caller's entire dynamic area if so desired. When this option is specified, it is necessary that the area begin on a doubleword boundary.
160	(A0)	CHARACTER	128	L16J1G64RS (0)	Length of area to free, in bytes
160	(A0)	CHARACTER	8	L16J1G64R	64-bit GPRs
288	(120)	CHARACTER	16	L16J1PSWE (0)	General register 0-15
					z/Architecture PSW: the processing will use the address, Amode, ASC mode, CC, and program mask. For a supervisor state or PKM 0-7 or key 0-7 caller, it will use the state and key from the PSW. Otherwise, it will set to caller key and state.
288	(120)	BITSTRING	4	L16J1PSWEBYTE0TO3 (0)	First 4 bytes
288	(120)	BITSTRING	1	L16J1PSWEBYTE0	First byte
289	(121)	BITSTRING	1	L16J1PSWEBYTE1	Second byte
290	(122)	BITSTRING	1	L16J1PSWEBYTE2	Third byte
291	(123)	BITSTRING	1	L16J1PSWEBYTE3 (0)	Fourth byte
		.... ...1		L16J1PSWEAMODE64	"X'01" Indicates AMODE 64 (with PSW bit 32 on also)
292	(124)	BITSTRING	4	L16J1PSWEBYTE4TO7 (0)	Next 4 bytes
		1...		L16J1PSWEAMODE31	"X'80" Indicates AMODE 31
296	(128)	BITSTRING	8	L16J1PSWEADDR	Instruction address
296	(128)	X'130'	0	L16J1_LEN	"*-L16J1"

CSRYL16J Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
L16J	0		L16J1PROCESSARS	94	80
L16J_LEN	A0	A8	L16J1PSWE	120	
L16JAR	4C		L16J1PSWEADDR	128	
L16JAREATOFFREE	98		L16J1PSWEAMODE31	124	80
L16JARS	4C		L16J1PSWEAMODE64	123	1
L16JFLAGS	94		L16J1PSWEBYTE0	120	
L16JGR	C		L16J1PSWEBYTE0TO3	120	
L16JGRS	C		L16J1PSWEBYTE1	121	
L16JLENGTH	4		L16J1PSWEBYTE2	122	
L16JLENGHTHTOFFREE	9C		L16J1PSWEBYTE3	123	
L16JPROCESSARS	94	80	L16J1PSWEBYTE4TO7	124	
L16JPSW	8C		L16J1RSVD	95	
L16JPSWADDR	90		L16J1RSVD1	C	
L16JPSWAMODE	90	80	L16J1RSVD2	8C	
L16JPSWBYTE0TO3	8C		L16J1SUBPOOL	8	
L16JRSVD	95		L16J1VERSION	0	
L16JSUBPOOL	8				
L16JVERSION	0				
L16J1	0				
L16J1_LEN	128	130			
L16J1AR	4C				
L16J1AREATOFFREE	98				
L16J1ARS	4C				
L16J1FLAGS	94				
L16J1G64R	A0				
L16J1G64RS	A0				
L16J1LENGTH	4				
L16J1LENGHTHTOFFREE	9C				

CSRYUNIC Information

CSRYUNIC Programming Interface information

Programming Interface information

CSRYUNIC

End of Programming Interface information

CSRYUNIC Heading Information • CSRYUNIC Map

CSRYUNIC Heading Information

Common Name: Unicode Services parameter blocks
Macro ID: CSRYUNIC
DSECT Name: UNIC_CONST UNIC_MVCLU UNIC_CLCLU UNIC_TP UNIC_PKA UNIC_PKU UNIC_UNPKA UNIC_UNPKU UNIC_TRTT
 UNIC_TRTO UNIC_TROT UNIC_TROO UNIC_TRE UNIC_CUUTF UNIC_CUTFU
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: UNIC_CONST -- X'0000' bytes
 UNIC_MVCLU -- X'0040' bytes
 UNIC_CLCLU -- X'0040' bytes
 UNIC_TP -- X'0040' bytes
 UNIC_PKA -- X'0040' bytes
 UNIC_PKU -- X'0040' bytes
 UNIC_UNPKA -- X'0040' bytes
 UNIC_UNPKU -- X'0040' bytes
 UNIC_TRTT -- X'0040' bytes
 UNIC_TRTO -- X'0040' bytes
 UNIC_TROT -- X'0040' bytes
 UNIC_TROO -- X'0040' bytes
 UNIC_TRE -- X'0040' bytes
 UNIC_CUUTF -- X'0040' bytes
 UNIC_CUTFU -- X'0040' bytes
Created by: Caller of CSRUNIC service and passed as parameter on PBLOCK
 keyword on CSRUNIC
Pointed to by: Not applicable
Serialization: None required
Function: Maps the compression service parameter area.

It represents the data needed by the compression service for which it is to be specified on the CBLOCK keyword.

Provides equates for return codes from the compression service.

CSRYUNIC Map

Offsets		Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_CONST	
0	(0)	X'100'	0	UNIC_WORKAREA_LEN	"256"
0	(0)	X'40'	0	UNIC_PBLOCK_LEN	"64"
Comment					
CSRUNIC Return and Reason Code definitions					
End of Comment					
....	....			UNIC_MVCLU_RC_OPLENGTHSEQUAL	"X'00000000" Meaning: the operand lengths were the same Action: None required
....	.1..			UNIC_MVCLU_RC_TARGETLENGTHSHORTER	"X'00000004" Meaning: The target operand was shorter than the source operand Action: None required
....	1...			UNIC_MVCLU_RC_TARGETLENGTHLONGER	"X'00000008" Meaning: The target operand was longer than the source operand Action: None required
...1	....			UNIC_MVCLU_RC_TARGETLENGTHNOTEVEN	"X'00000010" Meaning: The target operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=MVCLU when the target operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	.1..			UNIC_MVCLU_RC_SOURCELENGTHNOTEVEN	"X'00000014" Meaning: The source operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=MVCLU when the source operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	11..			UNIC_MVCLU_RC_WORKAREANOTALIGNED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_CLCLU_RC_OPERANDSEQUAL	"X'00000000" Meaning: the two operands were equal Action: None required
....	.1..			UNIC_CLCLU_RC_LEFTPLESSTHANRIGHT	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'00000004" Meaning: The left operand was less than the right operand Action: None required
....	1...			UNIC_CLCLU_RC_RIGHTOPLESSTHANLEFT	
					"X'00000008" Meaning: The right operand was less than the left operand Action: None required
...1	....			UNIC_CLCLU_RC_LEFTTOPLENGTHNOTEVEN	
					"X'00000010" Meaning: The left operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=CLCLU when the left operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	.1..			UNIC_CLCLU_RC_RIGHTTOPLENGTHNOTEVEN	
					"X'00000014" Meaning: The right operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=CLCLU when the right operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	11..			UNIC_CLCLU_RC_WORKAREANOTALIGNED	
					"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_TP_RC_VALID	
					"X'00000000" Meaning: the operand is a valid packed number Action: None required
....	.1..			UNIC_TP_RC_SIGNNOTVALID	
					"X'00000004" Meaning: The sign of the operand was not valid. All the digits were valid. Action: None required
....	1...			UNIC_TP_RC_DIGITNOTVALID	
					"X'00000008" Meaning: One or more digits of the operand were not valid. The sign was valid. Action: None required
....	11..			UNIC_TP_RC_SIGNDIGITNOTVALID	
					"X'0000000C" Meaning: The sign and one or more digits of the operand were not valid. Action: None required
...1	11..			UNIC_TP_RC_WORKAREANOTALIGNED	
					"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_PKA_RC_OK	
					"X'00000000" Meaning: The pack operation completed successfully Action: None required
...1	.1..			UNIC_PKA_RC_SOURCELENGTHNOTVALID	
					"X'00000014" Meaning: The length of the source operand exceeded 32 bytes (i.e., the LengthMinusOne exceeded 31) Action: Avoid calling CSRUNIC REQUEST=PKA for an operand longer than 32 bytes
...1	11..			UNIC_PKA_RC_WORKAREANOTALIGNED	
					"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_PKU_RC_OK	
					"X'00000000" Meaning: The pack operation completed successfully Action: None required
...1	.1..			UNIC_PKU_RC_SOURCELENGTHNOTVALID	
					"X'00000014" Meaning: The length of the source operand exceeded 64 bytes (i.e., the LengthMinusOne exceeded 63) Action: Avoid calling CSRUNIC REQUEST=PKU for an operand longer than 64 bytes
..1.	.1..			UNIC_PKU_RC_SOURCELENGTHNOTEVEN	
					"X'00000024" Meaning: The source operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=PKU when the source operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	11..			UNIC_PKU_RC_WORKAREANOTALIGNED	
					"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_UNPKA_RC_POSITIVE	
					"X'00000000" Meaning: The operand represented a positive number Action: None required
....	.1..			UNIC_UNPKA_RC_NEGATIVE	
					"X'00000004" Meaning: The operand represented a negative number Action: None required
....	11..			UNIC_UNPKA_RC_BADSIGN	
					"X'0000000C" Meaning: The operand did not have a valid sign Action: None required
...1	.1..			UNIC_UNPKA_RC_TARGETLENGTHNOTVALID	
					"X'00000014" Meaning: The length of the target operand exceeded 32 bytes (i.e., the LengthMinusOne exceeded 31) Action: Avoid calling CSRUNIC REQUEST=PKA for an operand longer than 32 bytes
...1	11..			UNIC_UNPKA_RC_WORKAREANOTALIGNED	
					"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_UNPKU_RC_POSITIVE	
					"X'00000000" Meaning: The operand represented a positive number Action: None required

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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
....	.1..			UNIC_UNPKU_RC_NEGATIVE	"X'00000004" Meaning: The operand represented a negative number Action: None required
....	11..			UNIC_UNPKU_RC_BADSIGN	"X'0000000C" Meaning: The operand did not have a valid sign Action: None required
...1	.1..			UNIC_UNPKU_RC_TARGETLENGTHNOTVALID	"X'00000014" Meaning: The length of the target operand exceeded 64 bytes (i.e., the LengthMinusOne exceeded 63) Action: Avoid calling CSRUNIC REQUEST=PKU for an operand longer than 64 bytes
..1.	.1..			UNIC_UNPKU_RC_TARGETLENGTHNOTEVEN	"X'00000024" Meaning: The target operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=UNPKU when the target operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	11..			UNIC_UNPKU_RC_WORKAREANOTALIGNED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
....	....			UNIC_TRTT_RC_TESTCHARNOTFOUND	"X'00000000" Meaning: The translation completed. The test character was not found. Action: None required
....	.1..			UNIC_TRTT_RC_TESTCHARFOUND	"X'00000004" Meaning: The test character was found. The operation ended at that point. Action: None required
...1	....			UNIC_TRTT_RC_LENGTHNOTEVEN	"X'00000010" Meaning: The operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=TRTT when the operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	11..			UNIC_TRTT_RC_WORKAREANOTALIGNED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
..1.	....			UNIC_TRTT_RC_TABLENOTALIGNED	"X'00000020" Meaning: The table provided was not on a page boundary. Action: Make sure that the table is on a page boundary.
....	....			UNIC_TRTO_RC_TESTCHARNOTFOUND	"X'00000000" Meaning: The translation completed. The test character was not found. Action: None required
....	.1..			UNIC_TRTO_RC_TESTCHARFOUND	"X'00000004" Meaning: The test character was found. The operation ended at that point. Action: None required
...1	....			UNIC_TRTO_RC_LENGTHNOTEVEN	"X'00000010" Meaning: The operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=TRTO when the operand is an even number of bytes (i.e., a whole number of unicode characters)
...1	11..			UNIC_TRTO_RC_WORKAREANOTALIGNED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
..1.	....			UNIC_TRTO_RC_TABLENOTALIGNED	"X'00000020" Meaning: The table provided was not on a page boundary. Action: Make sure that the table is on a page boundary.
....	....			UNIC_TROT_RC_TESTCHARNOTFOUND	"X'00000000" Meaning: The translation completed. The test character was not found. Action: None required
....	.1..			UNIC_TROT_RC_TESTCHARFOUND	"X'00000004" Meaning: The test character was found. The operation ended at that point. Action: None required
...1	11..			UNIC_TROT_RC_WORKAREANOTALIGNED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
..1.	....			UNIC_TROT_RC_TABLENOTALIGNED	"X'00000020" Meaning: The table provided was not on a doubleword boundary. Action: Make sure that the table is on a doubleword boundary.
....	....			UNIC_TROO_RC_TESTCHARNOTFOUND	"X'00000000" Meaning: The translation completed. The test character was not found. Action: None required
....	.1..			UNIC_TROO_RC_TESTCHARFOUND	"X'00000004" Meaning: The test character was found. The operation ended at that point. Action: None required
...1	11..			UNIC_TROO_RC_WORKAREANOTALIGNED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
..1.	....			UNIC_TROO_RC_TABLENOTALIGNED	"X'00000020" Meaning: The table provided was not on a doubleword boundary. Action: Make sure that the table is on a doubleword boundary.
....	....			UNIC_TRE_RC_TESTCHARNOTFOUND	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		UNIC_TRE_RC_TESTCHARFOUND	"X'00000000" Meaning: The translation completed. The test character was not found. Action: None required
		...1 11..		UNIC_TRE_RC_WORKAREANOTALIGNED	"X'00000004" Meaning: The test character was found. The operation ended at that point. Action: None required
		.... ....		UNIC_CUUTF_RC_SOURCEEXHAUSTED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		.... .1..		UNIC_CUUTF_RC_TARGETEXHAUSTED	"X'00000000" Meaning: All unicode characters in the source were converted to their UTF-8 equivalents. Action: None required
		...1 11..		UNIC_CUUTF_RC_WORKAREANOTALIGNED	"X'00000004" Meaning: The target operand did not have enough room to hold the UTF-8 equivalents of all of the source unicode characters. Action: Provide a larger target area.
		.... ....		UNIC_CUTFU_RC_SOURCEEXHAUSTED	"X'0000001C" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		.... .1..		UNIC_CUTFU_RC_TARGETEXHAUSTED	"X'00000000" Meaning: All UTF-8 characters in the source were converted to their unicode equivalents. Action: None required
		.... 1...		UNIC_CUTFU_RC_BADUTF8CHAR	"X'00000004" Meaning: The target operand did not have enough room to hold the unicode equivalents of all of the source UTF-8 characters. Action: Provide a larger target area.
		...1 11..		UNIC_CUTFU_RC_WORKAREANOTALIGNED	"X'00000008" Meaning: A character in the source operand was not a valid UTF-8 character. Action: Make sure that the source operand contains only valid UTF-8 characters.
0	(0)	X'0'	0	UNIC_CONST_LEN	"X'0000001C"
					"*-UNIC_CONST" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	UNIC_MVCLU	MVCLU parameter block
0	(0)	ADDRESS	4	UNIC_MVCLU_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_MVCLU_TARGETLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_MVCLU_SOURCEADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_MVCLU_SOURCELEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_MVCLU_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	2	UNIC_MVCLU_PADCHAR	Unicode PAD character
22	(16)	CHARACTER	2		Reserved
24	(18)	SIGNED	4	UNIC_MVCLU_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_MVCLU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_MVCLU_WORKAREALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_MVCLU_LEN	"*-UNIC_MVCLU"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	UNIC_CLCLU	CLCLU parameter block
0	(0)	ADDRESS	4	UNIC_CLCLU_LEFTOPADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_CLCLU_LEFTOPLen	Length of the target area
8	(8)	ADDRESS	4	UNIC_CLCLU_RIGHTOPADDR	Address of the Source area

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	UNIC_CLCLU_RIGHTPLEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_CLCLU_LEFTPALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	2	UNIC_CLCLU_PADCHAR	Unicode PAD character
22	(16)	CHARACTER	2		Reserved
24	(18)	SIGNED	4	UNIC_CLCLU_RIGHTPALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_CLCLU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_CLCLU_WORKAREALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_CLCLU_LEN	**-UNIC_CLCLU"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_TP	TP parameter block
0	(0)	ADDRESS	4	UNIC_TP_AREAADDR	Address of the area to be tested
4	(4)	SIGNED	4	UNIC_TP_LENMINUSONE	Length minus one of the area
8	(8)	SIGNED	4	UNIC_TP_AREAALET	ALET of the area to be tested. Use 0 if not in AR-mode.
12	(C)	ADDRESS	4	UNIC_TP_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
16	(10)	SIGNED	4	UNIC_TP_WORKAREALET	ALET of workarea
20	(14)	CHARACTER	40		
64	(40)	X'40'	0	UNIC_TP_LEN	**-UNIC_TP"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_PKA	PKA parameter block
0	(0)	ADDRESS	4	UNIC_PKA_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_PKA_SOURCELENMINUSONE	Length minus one of the source area
8	(8)	ADDRESS	4	UNIC_PKA_SOURCEADDR	Address of the Source area
12	(C)	ADDRESS	4	UNIC_PKA_TARGETALET	ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_PKA_SOURCEALET	ALET of the source area
24	(18)	ADDRESS	4	UNIC_PKA_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_PKA_WORKAREALET	ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_PKA_LEN	**-UNIC_PKA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_PKU	PKU parameter block
0	(0)	ADDRESS	4	UNIC_PKU_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_PKU_SOURCELENMINUSONE	Length minus one of the target area
8	(8)	ADDRESS	4	UNIC_PKU_SOURCEADDR	Address of the Source area
12	(C)	ADDRESS	4	UNIC_PKU_TARGETALET	ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_PKU_SOURCEALET	ALET of the source area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	ADDRESS	4	UNIC_PKU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_PKU_WORKAREAALLET	ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_PKU_LEN	"*-UNIC_PKU"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_UNPKA	UNPKA parameter block
0	(0)	ADDRESS	4	UNIC_UNPKA_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_UNPKA_TARGETLENMINUSONE	Length minus one of the target area
8	(8)	ADDRESS	4	UNIC_UNPKA_SOURCEADDR	Address of the Source area
12	(C)	ADDRESS	4	UNIC_UNPKA_TARGETALET	ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_UNPKA_SOURCEALET	ALET of the source area
24	(18)	ADDRESS	4	UNIC_UNPKA_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_UNPKA_WORKAREAALLET	ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_UNPKA_LEN	"*-UNIC_UNPKA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_UNPKU	UNPKU parameter block
0	(0)	ADDRESS	4	UNIC_UNPKU_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_UNPKU_TARGETLENMINUSONE	Length minus one of the target area
8	(8)	ADDRESS	4	UNIC_UNPKU_SOURCEADDR	Address of the Source area
12	(C)	ADDRESS	4	UNIC_UNPKU_TARGETALET	ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_UNPKU_SOURCEALET	ALET of the source area
24	(18)	ADDRESS	4	UNIC_UNPKU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_UNPKU_WORKAREAALLET	ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_UNPKU_LEN	"*-UNIC_UNPKU"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_TRTT	TRTT parameter block
0	(0)	ADDRESS	4	UNIC_TRTT_TABLEADDR	Address of the 128K translate table. It must be on a page boundary.
4	(4)	ADDRESS	4	UNIC_TRTT_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TRTT_LENGTH	Length of the source and target areas
12	(C)	ADDRESS	4	UNIC_TRTT_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TRTT_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TRTT_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	2	UNIC_TRTT_TESTCHAR	Unicode test character

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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
26	(1A)	CHARACTER	2		Reserved
28	(1C)	SIGNED	4	UNIC_TRTT_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TRTT_WORKKAREAADDR	Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TRTT_WORKKAREALET	ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TRTT_LEN	""-UNIC_TRTT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_TRTO	TRTO parameter block
0	(0)	ADDRESS	4	UNIC_TRTO_TABLEADDR	Address of the 64K translate table. It must be on a page boundary.
4	(4)	ADDRESS	4	UNIC_TRTO_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TRTO_LENGTH	Length of the source area in bytes. This is twice the length of the target area.
12	(C)	ADDRESS	4	UNIC_TRTO_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TRTO_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TRTO_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	1	UNIC_TRTO_TESTCHAR	Test character
25	(19)	CHARACTER	3		Reserved
28	(1C)	SIGNED	4	UNIC_TRTO_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TRTO_WORKKAREAADDR	Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TRTO_WORKKAREALET	ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TRTO_LEN	""-UNIC_TRTO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_TROT	TROT parameter block
0	(0)	ADDRESS	4	UNIC_TROT_TABLEADDR	Address of the 512-byte translate table. It must be on a doubleword boundary.
4	(4)	ADDRESS	4	UNIC_TROT_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TROT_LENGTH	Length of the source area in bytes. This is half the length of the target area.
12	(C)	ADDRESS	4	UNIC_TROT_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TROT_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TROT_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	2	UNIC_TROT_TESTCHAR	Unicode test character
26	(1A)	CHARACTER	2		Reserved
28	(1C)	SIGNED	4	UNIC_TROT_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TROT_WORKKAREAADDR	Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TROT_WORKKAREALET	ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TROT_LEN	""-UNIC_TROT"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_TROO	TROO parameter block
0	(0)	ADDRESS	4	UNIC_TROO_TABLEADDR	Address of the 256-byte translate table. It must be on a doubleword boundary.
4	(4)	ADDRESS	4	UNIC_TROO_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TROO_LENGTH	Length of the source and target areas in bytes
12	(C)	ADDRESS	4	UNIC_TROO_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TROO_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TROO_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	1	UNIC_TROO_TESTCHAR	Test character
25	(19)	CHARACTER	3		Reserved
28	(1C)	SIGNED	4	UNIC_TROO_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TROO_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TROO_WORKAREALET	ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TROO_LEN	"*-UNIC_TROO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_TRE	TRE parameter block
0	(0)	ADDRESS	4	UNIC_TRE_AREAADDR	Address of the source/target area
4	(4)	SIGNED	4	UNIC_TRE_LENGTH	Length of the source/target area
8	(8)	ADDRESS	4	UNIC_TRE_TABLEADDR	Address of the 256-byte translate table
12	(C)	CHARACTER	3		Reserved
15	(F)	CHARACTER	1	UNIC_TRE_TESTCHAR	Test character
16	(10)	SIGNED	4	UNIC_TRE_AREALET	ALET to use to access the source/target area. Use 0 if not in AR mode
20	(14)	CHARACTER	4		Reserved
24	(18)	SIGNED	4	UNIC_TRE_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_TRE_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_TRE_WORKAREALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_TRE_LEN	"*-UNIC_TRE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_CUUTF	CUUTF parameter block
0	(0)	ADDRESS	4	UNIC_CUUTF_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_CUUTF_TARGETLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_CUUTF_SOURCEADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_CUUTF_SOURCELEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_CUUTF_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	4		Reserved
24	(18)	SIGNED	4	UNIC_CUUTF_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_CUUTF_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_CUUTF_WORKAREALET	ALET of workarea

CSRYUNIC Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_CUUTF_LEN	"*-UNIC_CUUTF"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_CUTFU	CUTFU parameter block
0	(0)	ADDRESS	4	UNIC_CUTFU_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_CUTFU_TARGETLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_CUTFU_SOURCEADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_CUTFU_SOURCELEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_CUTFU_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	4		Reserved
24	(18)	SIGNED	4	UNIC_CUTFU_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_CUTFU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_CUTFU_WORKAREALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_CUTFU_LEN	"*-UNIC_CUTFU"

CSRYUNIC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UNIC_CLCLU	0		UNIC_CUTFU_RC_BADUTF8CHAR		
UNIC_CLCLU_LEFTOPADDR	0			0	8
UNIC_CLCLU_LEFTOPALET	0		UNIC_CUTFU_RC_SOURCEEXHAUSTED	0	0
UNIC_CLCLU_LEFTOPLN	10		UNIC_CUTFU_RC_TARGETEXHAUSTED	0	4
UNIC_CLCLU_LEN	4		UNIC_CUTFU_RC_WORKAREANOTALIGNED	0	1C
UNIC_CLCLU_PADCHAR	24	40	UNIC_CUTFU_SOURCEADDR	8	
UNIC_CLCLU_RC_LEFTOPLNGTHNOTEVEN	14		UNIC_CUTFU_SOURCEALET	18	
UNIC_CLCLU_RC_LEFTOPLESSTHANRIGHT	0	10	UNIC_CUTFU_SOURCELEN	C	
UNIC_CLCLU_RC_OPERANDSEQUAL	0	4	UNIC_CUTFU_TARGETADDR	0	
UNIC_CLCLU_RC_RIGHTOPLNGTHNOTEVEN	0	0	UNIC_CUTFU_TARGETALET	10	
UNIC_CLCLU_RC_RIGHTOPLESSTHANLEFT	0	14	UNIC_CUTFU_TARGETLEN	4	
UNIC_CLCLU_RC_WORKAREANOTALIGNED	0	8	UNIC_CUTFU_WORKAREAADDR	1C	
UNIC_CLCLU_RIGHTOPADDR	0	1C	UNIC_CUTFU_WORKAREALET	20	
UNIC_CLCLU_RIGHTOPALET	8		UNIC_CUUTF	0	
UNIC_CLCLU_RIGHTOPLN	18		UNIC_CUUTF_LEN		
UNIC_CLCLU_RIGHTOPLN	C			24	40
UNIC_CLCLU_WORKAREAADDR	1C		UNIC_CUUTF_RC_SOURCEEXHAUSTED	0	0
UNIC_CLCLU_WORKAREALET	20		UNIC_CUUTF_RC_TARGETEXHAUSTED	0	4
UNIC_CONST	0		UNIC_CUUTF_RC_WORKAREANOTALIGNED	0	1C
UNIC_CONST_LEN	0	0	UNIC_CUUTF_SOURCEADDR	8	
UNIC_CUTFU	0		UNIC_CUUTF_SOURCEALET	18	
UNIC_CUTFU_LEN	24	40	UNIC_CUUTF_SOURCELEN	C	

Name	Hex Offset	Hex Value
UNIC_CUUTF_TARGETADDR	0	
UNIC_CUUTF_TARGETALET	10	
UNIC_CUUTF_TARGETLEN	4	
UNIC_CUUTF_WORKAREAADDR	1C	
UNIC_CUUTF_WORKAREALET	20	
UNIC_MVCLU	0	
UNIC_MVCLU_LEN	24	40
UNIC_MVCLU_PADCHAR	14	
UNIC_MVCLU_RC_OPLENGTHSEQUAL	0	0
UNIC_MVCLU_RC_SOURCELENGTHNOTEVEN	0	14
UNIC_MVCLU_RC_TARGETLENGTHLONGER	0	8
UNIC_MVCLU_RC_TARGETLENGTHNOTEVEN	0	10
UNIC_MVCLU_RC_TARGETLENGTHSHORTER	0	4
UNIC_MVCLU_RC_WORKAREANOTALIGNED	0	1C
UNIC_MVCLU_SOURCEADDR	8	
UNIC_MVCLU_SOURCEALET	18	
UNIC_MVCLU_SOURCELEN	C	
UNIC_MVCLU_TARGETADDR	0	
UNIC_MVCLU_TARGETALET	10	
UNIC_MVCLU_TARGETLEN	4	
UNIC_MVCLU_WORKAREAADDR	1C	
UNIC_MVCLU_WORKAREALET	20	
UNIC_PBLOCK_LEN	0	40
UNIC_PKA	0	
UNIC_PKA_LEN	20	40
UNIC_PKA_RC_OK	0	0
UNIC_PKA_RC_SOURCELENGTHNOTVALID	0	14
UNIC_PKA_RC_WORKAREANOTALIGNED	0	1C
UNIC_PKA_SOURCEADDR	8	
UNIC_PKA_SOURCEALET	14	
UNIC_PKA_SOURCELENMINUSONE	4	
UNIC_PKA_TARGETADDR	0	
UNIC_PKA_TARGETALET	C	
UNIC_PKA_WORKAREAADDR	18	
UNIC_PKA_WORKAREALET	1C	
UNIC_PKU	0	
UNIC_PKU_LEN	20	40
UNIC_PKU_RC_OK	0	0
UNIC_PKU_RC_SOURCELENGTHNOTEVEN	0	24
UNIC_PKU_RC_SOURCELENGTHNOTVALID		

Name	Hex Offset	Hex Value
UNIC_PKU_RC_WORKAREANOTALIGNED	0	14
UNIC_PKU_SOURCEADDR	0	1C
UNIC_PKU_SOURCEALET	8	
UNIC_PKU_SOURCELENMINUSONE	14	
UNIC_PKU_TARGETADDR	4	
UNIC_PKU_TARGETALET	0	
UNIC_PKU_TARGETALET	C	
UNIC_PKU_WORKAREAADDR	18	
UNIC_PKU_WORKAREALET	1C	
UNIC_TP	0	
UNIC_TP_AREAADDR	0	
UNIC_TP_AREALET	8	
UNIC_TP_LEN	40	40
UNIC_TP_LENMINUSONE	4	
UNIC_TP_RC_DIGITNOTVALID	0	8
UNIC_TP_RC_SIGNDIGITNOTVALID	0	C
UNIC_TP_RC_SIGNNOTVALID	0	4
UNIC_TP_RC_VALID	0	0
UNIC_TP_RC_WORKAREANOTALIGNED	0	1C
UNIC_TP_WORKAREAADDR	C	
UNIC_TP_WORKAREALET	10	
UNIC_TRE	0	
UNIC_TRE_AREAADDR	0	
UNIC_TRE_AREALET	10	
UNIC_TRE_LEN	24	40
UNIC_TRE_LENGTH	4	
UNIC_TRE_RC_TESTCHARFOUND	0	4
UNIC_TRE_RC_TESTCHARNOTFOUND	0	0
UNIC_TRE_RC_WORKAREANOTALIGNED	0	1C
UNIC_TRE_TABLEADDR	8	
UNIC_TRE_TABLEALET	18	
UNIC_TRE_TESTCHAR	F	
UNIC_TRE_WORKAREAADDR	1C	
UNIC_TRE_WORKAREALET	20	
UNIC_TROO	0	
UNIC_TROO_LEN	28	40
UNIC_TROO_LENGTH	8	
UNIC_TROO_RC_TABLENOTALIGNED	0	20
UNIC_TROO_RC_TESTCHARFOUND	0	4
UNIC_TROO_RC_TESTCHARNOTFOUND	0	0

CSRYUNIC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UNIC_TROO_RC_WORKAREANOTALIGNED	0	1C	UNIC_TRTO_TARGETADDR	4	
UNIC_TROO_SOURCEADDR	C		UNIC_TRTO_TARGETALET	14	
UNIC_TROO_SOURCEALET	1C		UNIC_TRTO_TESTCHAR	18	
UNIC_TROO_TABLEADDR	0		UNIC_TRTO_WORKAREAADDR	20	
UNIC_TROO_TABLEALET	10		UNIC_TRTO_WORKAREALET	24	
UNIC_TROO_TARGETADDR	4		UNIC_TRTT	0	
UNIC_TROO_TARGETALET	14		UNIC_TRTT_LEN	28	40
UNIC_TROO_TESTCHAR	18		UNIC_TRTT_LENGTH	8	
UNIC_TROO_WORKAREAADDR	20		UNIC_TRTT_RC_LENGTHNOTEVEN	0	10
UNIC_TROO_WORKAREALET	24		UNIC_TRTT_RC_TABLENOTALIGNED	0	20
UNIC_TROT	0		UNIC_TRTT_RC_TESTCHARFOUND	0	4
UNIC_TROT_LEN	28	40	UNIC_TRTT_RC_TESTCHARNOTFOUND	0	0
UNIC_TROT_LENGTH	8		UNIC_TRTT_RC_WORKAREANOTALIGNED	0	1C
UNIC_TROT_RC_TABLENOTALIGNED	0	20	UNIC_TRTT_SOURCEADDR	C	
UNIC_TROT_RC_TESTCHARFOUND	0	4	UNIC_TRTT_SOURCEALET	1C	
UNIC_TROT_RC_TESTCHARNOTFOUND	0	0	UNIC_TRTT_TABLEADDR	0	
UNIC_TROT_RC_WORKAREANOTALIGNED	0	1C	UNIC_TRTT_TABLEALET	10	
UNIC_TROT_SOURCEADDR	C		UNIC_TRTT_TARGETADDR	4	
UNIC_TROT_SOURCEALET	1C		UNIC_TRTT_TARGETALET	14	
UNIC_TROT_TABLEADDR	0		UNIC_TRTT_TESTCHAR	18	
UNIC_TROT_TABLEALET	10		UNIC_TRTT_WORKAREAADDR	20	
UNIC_TROT_TARGETADDR	4		UNIC_TRTT_WORKAREALET	24	
UNIC_TROT_TARGETALET	14		UNIC_UNPKA	0	
UNIC_TROT_TESTCHAR	18		UNIC_UNPKA_LEN	20	40
UNIC_TROT_WORKAREAADDR	20		UNIC_UNPKA_RC_BADSIGN	0	C
UNIC_TROT_WORKAREALET	24		UNIC_UNPKA_RC_NEGATIVE	0	4
UNIC_TRTO	0		UNIC_UNPKA_RC_POSITIVE	0	0
UNIC_TRTO_LEN	28	40	UNIC_UNPKA_RC_TARGETLENGTHNOTVALID	0	14
UNIC_TRTO_LENGTH	8		UNIC_UNPKA_RC_WORKAREANOTALIGNED	0	1C
UNIC_TRTO_RC_LENGTHNOTEVEN	0	10	UNIC_UNPKA_SOURCEADDR	8	
UNIC_TRTO_RC_TABLENOTALIGNED	0	20	UNIC_UNPKA_SOURCEALET	14	
UNIC_TRTO_RC_TESTCHARFOUND	0	4	UNIC_UNPKA_TARGETADDR	0	
UNIC_TRTO_RC_TESTCHARNOTFOUND	0	0	UNIC_UNPKA_TARGETALET	C	
UNIC_TRTO_RC_WORKAREANOTALIGNED	0	1C	UNIC_UNPKA_TARGETLENMINUSONE	4	
UNIC_TRTO_SOURCEADDR	C		UNIC_UNPKA_WORKAREAADDR	18	
UNIC_TRTO_SOURCEALET	1C		UNIC_UNPKA_WORKAREALET	1C	
UNIC_TRTO_TABLEADDR	0		UNIC_UNPKU	0	
UNIC_TRTO_TABLEALET	10		UNIC_UNPKU_LEN	20	40
			UNIC_UNPKU_RC_BADSIGN		

Name	Hex Offset	Hex Value
	0	C
UNIC_UNPKU_RC_NEGATIVE	0	4
UNIC_UNPKU_RC_POSITIVE	0	0
UNIC_UNPKU_RC_TARGETLENGTHNOTEVEN	0	24
UNIC_UNPKU_RC_TARGETLENGTHNOTVALID	0	14
UNIC_UNPKU_RC_WORKAREANOTALIGNED	0	1C
UNIC_UNPKU_SOURCEADDR	8	
UNIC_UNPKU_SOURCEALET	14	
UNIC_UNPKU_TARGETADDR	0	
UNIC_UNPKU_TARGETALET	C	
UNIC_UNPKU_TARGETLENMINUSONE	4	
UNIC_UNPKU_WORKAREAADDR	18	
UNIC_UNPKU_WORKAREALET	1C	
UNIC_WORKAREA_LEN	0	100

CSVAPFAA Information

CSVAPFAA Programming Interface information

Programming Interface information

CSVAPFAA

End of Programming Interface information

CSVAPFAA Heading Information • CSVAPFAA Map

CSVAPFAA Heading Information

Common Name: APF List Answer Area
Macro ID: CSVAPFAA
DSECT Name: APFHDR, APFE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
 Key: User-supplied
 Residency: User-supplied
Size: Variable (One APFHDR per request plus one APFE for each entry returned)
 APFHDR -- X'0010' bytes
 APFE -- X'0038' bytes
Created by: Created by user and passed as parameter on ANSAREA keyword on CSVAPF LIST
Pointed to by: CSVAPF parameter list
Serialization: None required
Function: Maps the data returned by the CSVAPF macro, LIST request

CSVAPFAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	APFHDR	, Header section
0	(0)	SIGNED	4	APFH#REC	Number of APFE entries which follow
4	(4)	SIGNED	4	APFH#REM	Number of APFE entries which were not returned because of insufficient space
8	(8)	SIGNED	4	APFHTLEN	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	APFHOF	Offset from APFHDR to first APFE
12	(C)	X'10'	0	APFHDR_LEN	"*-APFHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	APFE	, APFE Record data format
0	(0)	SIGNED	2	APFELEN	Length of APFE record. Use this length to get to the next entry.
2	(2)	SIGNED	1	APFEDSLEN	Length of dataset name through last non-blank character
3	(3)	BITSTRING	1	APFEFLAGS (0)	Flags
		1... ..		APFESMS	"X'80" Dataset is SMS-managed
4	(4)	CHARACTER	6	APFEVOLUME	Volume ID
10	(A)	CHARACTER	44	APFEDSNAME	Dataset name
54	(36)	CHARACTER	2		Reserved

Comment

Format constants returned for CSVAPF REQUEST(QUERYFORMAT)

End of Comment

54	(36)	X'0'	0	CSVAPFFORMATSTATIC	"0" Format is static
54	(36)	X'1'	0	CSVAPFFORMATDYNAMIC	"1" Format is dynamic

Comment

Return Code / Reason code constants from CSVAPF. It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.

End of Comment

54	(36)	BITSTRING	0	CSVAPFRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
54	(36)	X'0'	0	CSVAPFRC_OK	"0" Return code 0, success
54	(36)	X'4'	0	CSVAPFRC_WARN	"4" Return code 4, warning

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
Reason codes for RC=4					
					End of Comment
54	(36)	BITSTRING	0	CSVAPFRSNALREADYINLIST	"X'00000401"
54	(36)	BITSTRING	0	CSVAPFRSNINLISTSMSMANAGED	"X'00000401"
54	(36)	BITSTRING	0	CSVAPFRSNNOTINLIST	"X'00000402"
54	(36)	BITSTRING	0	CSVAPFRSNNOTALLDATARETURNED	"X'00000403"
54	(36)	X'8'	0	CSVAPFRC_INVPARM	"8" Return code 8, invalid parameter
					Comment
Reason codes for RC=8					
					End of Comment
54	(36)	BITSTRING	0	CSVAPFRSNBADPARMLIST	"X'00000801"
54	(36)	BITSTRING	0	CSVAPFRSNRSRBMODE	"X'00000802"
54	(36)	BITSTRING	0	CSVAPFRSNNOTENABLED	"X'00000803"
54	(36)	BITSTRING	0	CSVAPFRSNNOTAUTHORIZED	"X'00000804"
54	(36)	BITSTRING	0	CSVAPFRSNHOMENOTPRIMARY	"X'00000805"
54	(36)	BITSTRING	0	CSVAPFRSNBADANSAREALET	"X'00000806"
54	(36)	BITSTRING	0	CSVAPFRSNBADANSAREA	"X'00000807"
54	(36)	BITSTRING	0	CSVAPFRSNBADANSLEN	"X'00000808"
54	(36)	BITSTRING	0	CSVAPFRSNBADREQUESTTYPE	"X'00000809"
54	(36)	BITSTRING	0	CSVAPFRSNBADESTAE	"X'0000080A"
54	(36)	BITSTRING	0	CSVAPFRSNRESERVEDNOT0	"X'0000080B"
54	(36)	BITSTRING	0	CSVAPFRSNBADDSNAME	"X'0000080C"
54	(36)	BITSTRING	0	CSVAPFRSNBADPARMLISTALET	"X'0000080D"
54	(36)	BITSTRING	0	CSVAPFRSNBADVERSION	"X'0000080E"
54	(36)	BITSTRING	0	CSVAPFRSNLOCKED	"X'0000080F"
54	(36)	X'C'	0	CSVAPFRC_ENV	"12" Return code 12, environmental error
					Comment
Reason codes for RC=12					
					End of Comment
54	(36)	BITSTRING	0	CSVAPFRSNFUNCTIONNOTAVAILABLE	"X'00000C01"
54	(36)	BITSTRING	0	CSVAPFRSNWRONGDFPLEVEL	"X'00000C02" DFSMS/MVS 1.1 is not installed.
54	(36)	BITSTRING	0	CSVAPFRSNWRONGDFSMSLEVEL	"X'00000C02" DFSMS/MVS 1.1 is not installed.
54	(36)	X'10'	0	CSVAPFRC_COMPERROR	"16" Unknown, unexpected error
					Comment
Reason codes for RC=16					
					End of Comment

CSVAPFAA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
54	(36)	BITSTRING	0	CSVAPFRSNCOMPERROR	"X'00001001"
54	(36)	X'38'	0	APFE_LEN	**-APFE"

CSVAPFAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
APFE	0			36	402
APFE_LEN	36	38	CSVAPFRSNRESERVEDNOT0	36	80B
APFEDSLEN	2		CSVAPFRSNSRBMODE	36	802
APFEDSNAME	A		CSVAPFRSNWRONGDFPLEVEL	36	C02
APFEFLAGS	3		CSVAPFRSNWRONGDFSMSLEVEL	36	C02
APFELEN	0				
APFESMS	3	80			
APFEVOLUME	4				
APFH#REC	0				
APFH#REM	4				
APFHDR	0				
APFHDR_LEN	C	10			
APFHOF	C				
APFHTLEN	8				
CSVAPFFORMATDYNAMIC	36	1			
CSVAPFFORMATSTATIC	36	0			
CSVAPFFRC_COMPERROR	36	10			
CSVAPFFRC_ENV	36	C			
CSVAPFFRC_INVPARM	36	8			
CSVAPFFRC_OK	36	0			
CSVAPFFRC_WARN	36	4			
CSVAPFRSNALREADYINLIST	36	401			
CSVAPFRSNBADANSAREA	36	807			
CSVAPFRSNBADANSAREALET	36	806			
CSVAPFRSNBADANSLEN	36	808			
CSVAPFRSNBADDSNAME	36	80C			
CSVAPFRSNBADESTAE	36	80A			
CSVAPFRSNBADPARMLIST	36	801			
CSVAPFRSNBADPARMLISTALET	36	80D			
CSVAPFRSNBADREQUESTTYPE	36	809			
CSVAPFRSNBADVERSION	36	80E			
CSVAPFRSNCODEMASK	36	FFFF			
CSVAPFRSNCOMPERROR	36	1001			
CSVAPFRSNFUNCTIONNOTAVAILABLE	36	C01			
CSVAPFRSNHOMENOTPRIMARY	36	805			
CSVAPFRSNINLISTSMSMANAGED	36	401			
CSVAPFRSNLOCKED	36	80F			
CSVAPFRSNNOTALLDATARETURNED	36	403			
CSVAPFRSNNOTAUTHORIZED	36	804			
CSVAPFRSNNOTENABLED	36	803			
CSVAPFRSNNOTINLIST					

CSVDLAA Information

CSVDLAA Programming Interface information

Programming Interface information

CSVDLAA

End of Programming Interface information

CSVDLAA Heading Information • CSVDLAA Map

CSVDLAA Heading Information

Common Name: Dynamic Lnkst Answer Area
Macro ID: CSVDLAA
DSECT Name: DLAHDR DLAALS DLAADS DLAAU DLAAJA
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
 Variable
Size: DLAHDR -- X'0010' bytes
 DLAALS -- X'002C' bytes
 DLAADS -- X'003C' bytes
 DLAAU -- X'0010' bytes
 DLAAJA -- X'0020' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on CSVDYNL LIST
Pointed to by: CSVDYNL parameter list
Serialization: None required
Function: Maps the data returned by the CSVDYNL macro, LIST request.

The returned information consists of a header (DLAHDR) which indicates how many LNKST set entries (DLAALS), or jobname/aside entries (DLAAJA) entries, follow.

If you request Search=BYNAME you get DLAALS entries. DLAHFIRSTLSADDR is a pointer to the first DLAALS, and each DLAALS points to the next (DLAALSNEXTADDR). The count provided in header field DLAH#LS should be used to determine the number of exit entries to examine.

Each DLAALS indicates how many data set entries (DLAADS) and user entries (DLAAU) are associated with it. DLAALSFIRSTDSADDR is a pointer to the first DLAADS, and each DLAADS points to the next (DLAADSNEXTADDR). The count provided in LNKST set entry field DLAALS#DS should be used to determine the number of data set entries to examine. DLAALSFIRSTUADDR is a pointer to the first DLAAU, and each DLAAU points to the next (DLAAUNEXTADDR). The count provided in LNKST set entry field DLAALS#U should be used to determine the number of data set entries to examine.

If you request Search=BYJOBASID you get DLAAJS entries. DLAHFIRSTJAADDR is a pointer to the first DLAAJA, and each DLAAJA points to the next (DLAAJANEXTADDR). The count provided in header field DLAH#JA should be used to determine the number of exit entries to examine.

CSVDLAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLAHDR	Header section
0	(0)	SIGNED	4	DLAAH#LS	Number of DLAALS entries which follow
0	(0)	SIGNED	4	DLAAH#JA	Number of DLAAJA entries which follow, when ByAsidJobname is requested
4	(4)	SIGNED	4	DLAAH#REM	Number of DLAALS or DLAAJA entries which were not returned because of insufficient space
8	(8)	SIGNED	4	DLAAHTLEN	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)	ADDRESS	4	DLAHFIRSTLSADDR	Address of first DLAALS
12	(C)	ADDRESS	4	DLAHFIRSTLS@	Same as FIRSTLSADDR
12	(C)	ADDRESS	4	DLAHFIRSTJAADDR	Address of first DLAAJA
12	(C)	ADDRESS	4	DLAHFIRSTJA@	Same as FIRSTJAADDR
12	(C)	X'10'	0	DLAHDR_LEN	"-DLAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLAALS	DLAALS Record data format
0	(0)	ADDRESS	4	DLAALSNEXTADDR	Address of next DLAALS. DLAH#LS must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAALSNEXT@	Same as NEXTADDR
4	(4)	ADDRESS	4	DLAALSFIRSTDSADDR	Address of first DLAADS for this DLAALS
4	(4)	ADDRESS	4	DLAALSFIRSTDS@	Same as FirstDSADDR
8	(8)	ADDRESS	4	DLAALSFIRSTUADDR	Address of first DLAAU for this DLAALS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	ADDRESS	4	DLAALSFIRSTU@	Same as FirstUADDR Name of LNKLST set Flags
12	(C)	CHARACTER	16	DLAALSNAME	
28	(1C)	BITSTRING	1	DLAALSFLAGS	
Comment					
Bit definitions:					
End of Comment					
		1...		DLAALSCURRENT	"X'80" This is the current LNKLST
		.1..		DLAALSWASCURRENT	"X'40" This used to be a current LNKLST and is still in use
		..1.		DLAALSINUSEBYLLA	"X'20" LLA is monitoring the LNKLST using this LNKLST set
29	(1D)	CHARACTER	3		UNUSED
32	(20)	SIGNED	4	DLAALSLNKLSTSEQ#	The Seq# of this LNKLST set. Only valid when this LNKLST set is active. The Seq# remains unchanged when an in-use LNKLST set is activated. A larger Seq# does not necessarily indicate a more current activation.
36	(24)	CHARACTER	4		Unused
40	(28)	SIGNED	2	DLAALS#DS	Number of DLAADS entries associated with this LNKLST set
42	(2A)	SIGNED	2	DLAALS#U	Number of DLAAU entries associated with this LNKLST set
42	(2A)	X'2C'	0	DLAALS_LEN	"*-DLAALS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLAADS	DLAADS Record data format
0	(0)	ADDRESS	4	DLAADSNEXTADDR	Address of next DLAADS. DLAALS#DS must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAADSNEXT@	Same as NEXTADDR
4	(4)	BITSTRING	1	DLAADSFLAGS	Flags
Comment					
Bit definitions:					
End of Comment					
		1...		DLAADSAPF	"X'80" APF-authorized. Represents status as of last allocation
		.1..		DLAADSAPFNOTAVAILABLE	"X'40" APF status is not available. Either the data set was not successfully allocated, or the LNKLST set itself is not valid.
		..1.		DLAADSSMSMANAGED	"X'20" The data set is SMS-managed. Represents status as of last allocation.
		...1		DLAADSSMSNOTAVAILABLE	"X'10" SMS status is not available. Either the data set was not successfully allocated, or the LNKLST set itself is not valid.
5	(5)	CHARACTER	3		UNUSED
8	(8)	CHARACTER	6	DLAADSVOLID	Volume ID. Represents status as of last allocation
14	(E)	SIGNED	2	DLAADSNAMELEN	Length of name
16	(10)	CHARACTER	44	DLAADSNAME	Data set name. It will only occupy as much space as indicated by DlaadsNameLen
16	(10)	X'3C'	0	DLAADS_LEN	"*-DLAADS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLAAU	DLAAU Record data format
0	(0)	ADDRESS	4	DLAAUNEXTADDR	Address of next DLAAU. DLAALS#U must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAAUNEXT@	Same as NEXTADDR
4	(4)	CHARACTER	8	DLAAUJOBNAME	Job name using this LNKLST set
12	(C)	SIGNED	2	DLAAUASID	ASID of job
14	(E)	CHARACTER	2		UNUSED
14	(E)	X'10'	0	DLAAU_LEN	"*-DLAAU"

CSVDLAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLAAJA	DLAAJA Record data format
0	(0)	ADDRESS	4	DLAAJANEXTADDR	Address of next DLAAJA. DLAALS#JA must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAAJANEXT@	Same as NEXTADDR
4	(4)	CHARACTER	8	DLAAJAJOBNAME	Job name
12	(C)	SIGNED	2	DLAAJAASID	ASID of job
14	(E)	CHARACTER	2		UNUSED
16	(10)	CHARACTER	16	DLAAJALSNAME	LNKLST set name

Comment

Format constants returned for CSVSYNL REQUEST(QUERYDYN)

End of Comment

16	(10)	X'0'	0	CSVSYNLDYNNOTAVAILABLE	"0"
16	(10)	X'1'	0	CSVSYNLDYNAAVAILABLE	"1"

Comment

Return Code / Reason code constants from CsvDynl. It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.

End of Comment

16	(10)	BITSTRING	0	CSVSYNLRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
16	(10)	X'0'	0	CSVSYNLRC_OK	"0" Return code 0, success
16	(10)	X'4'	0	CSVSYNLRC_WARN	"4" Return code 4, warning

Comment

Reason codes for RC=4

End of Comment

16	(10)	BITSTRING	0	CSVSYNLRSNRROUTINENOTFOUND	"X'00000402" For TEST request, the routine was not found
16	(10)	BITSTRING	0	CSVSYNLRSNNOTALLDATARETURNED	"X'00000403" For LIST, the provided output area was not large enough to contain all the data.
16	(10)	BITSTRING	0	CSVSYNLRSNNOMATCHINGJOB	"X'00000406" For UPDATE request, no matching job or ASID was found.
16	(10)	X'8'	0	CSVSYNLRC_INVPARM	"8" Return code 8, invalid parameter

Comment

Reason codes for RC=8

End of Comment

16	(10)	BITSTRING	0	CSVSYNLRSNBADPARMLIST	"X'00000801" Error while accessing parameter list
16	(10)	BITSTRING	0	CSVSYNLRSNSRBMODE	"X'00000802" Caller was in SRB mode
16	(10)	BITSTRING	0	CSVSYNLRSNNOTENABLED	"X'00000803" Caller was not enabled
16	(10)	BITSTRING	0	CSVSYNLRSNNOTAUTHORIZED	"X'00000804" Caller was not authorized
16	(10)	BITSTRING	0	CSVSYNLRSNHOMENOTPRIMARY	"X'00000805" HASN == PASN
16	(10)	BITSTRING	0	CSVSYNLRSNBADANSAREALET	"X'00000806" ALET of ANSAREA was not acceptable
16	(10)	BITSTRING	0	CSVSYNLRSNBADANSAREA	"X'00000807" Error while accessing ANSAREA
16	(10)	BITSTRING	0	CSVSYNLRSNBADANSLEN	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
16	(10)	BITSTRING	0	CSVDYNLRSNBADREQUESTTYPE	"X'00000808" ANSLEN was not at least as long as DLAHDR mapped by CSVDLAA.
16	(10)	BITSTRING	0	CSVDYNLRSNBADESTAEX	"X'00000809" Parameter list contains an incorrect request type. Possible overlay.
16	(10)	BITSTRING	0	CSVDYNLRSNRESERVEDNOT0	"X'0000080A" ESTAEX recovery could not be established. Possibly the caller had an EUT FRR.
16	(10)	BITSTRING	0	CSVDYNLRSNBADPARMLISTALET	"X'0000080B" Parameter list contains a non-0 value in a reserved field. Possible overlay.
16	(10)	BITSTRING	0	CSVDYNLRSNBADVERSION	"X'0000080D" ALET of parameter list was not acceptable.
16	(10)	BITSTRING	0	CSVDYNLRSNLOCKED	"X'0000080E" Parameter list contains an incorrect version number. Possible overlay.
16	(10)	BITSTRING	0	CSVDYNLRSNBADDSDNAMEAREA	"X'0000080F" Caller held a system lock.
16	(10)	BITSTRING	0	CSVDYNLRSNBADAFTERDSNAMEAREA	"X'00000815" Error while accessing area containing DSNAME
16	(10)	BITSTRING	0	CSVDYNLRSNBADOPEN	"X'00000816" Error while accessing area containing AFTERDSNAME
16	(10)	BITSTRING	0	CSVDYNLRSNLNKLSTSETNOTFOUND	"X'00000818" Unable to open supplied data set.
16	(10)	BITSTRING	0	CSVDYNLRSNDATASETNOTFOUND	"X'00000819" LNKLST set does not exist
16	(10)	BITSTRING	0	CSVDYNLRSNBADDSDNAMEALET	"X'0000081C" For DELETE, data set was not in the LNKLST set. For ADD, "after" data set was not in the LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNBADAFTERDSNAMEALET	"X'00000820" ALET of area containing DSNAME is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADLNKLSTNAME	"X'00000821" ALET of area containing AFTERDSNAME is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADDSDNAME	"X'00000822" LNKLST set name begins with blank or hex zero
16	(10)	BITSTRING	0	CSVDYNLRSNBADAFTERDSNAME	"X'00000823" DSNAME begins with blank or hex zero
16	(10)	BITSTRING	0	CSVDYNLRSNBADALLOC	"X'00000824" AFTERDSNAME begins with blank or hex zero
16	(10)	BITSTRING	0	CSVDYNLRSNFUNCTIONNOTAVAILABLEERROR	"X'00000829" Unable to allocate requested data set
16	(10)	BITSTRING	0	CSVDYNLRSNRESERVEDNAME	"X'0000082B" Function requested when dynamic allocation is not allowed by the system (or function requested during NIP).
16	(10)	BITSTRING	0	CSVDYNLRSNNOJOBASID	"X'00000831" Reserved name "CURRENT" or "IPL" was used on a DEFINE, ADD, or DELETE request.
16	(10)	BITSTRING	0	CSVDYNLRSNADDSYSDSN	"X'00000832" The job name was blank (or null) and the ASID was 0 for UPDATE or LIST
16	(10)	BITSTRING	0	CSVDYNLRSNDELETESYSDSN	"X'00000833" A request was made to add the LINKLIB, MIGLIB, CSSLIB, LINKLIBE, or MIGLIBE data set, or to add after one of those data sets.
16	(10)	BITSTRING	0	CSVDYNLRSNNOCOPYFROM	"X'00000834" A request was made to delete the LINKLIB, MIGLIB, CSSLIB, LINKLIBE, or MIGLIBE data set.
16	(10)	BITSTRING	0	CSVDYNLRSNALREADYEXISTS	"X'00000835" Could not locate the COPYFROM LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNMODNAME	"X'00000836" For DEFINE request, LNKLST set already exists. For ADD request, data set was already associated with this LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNCONCATFULL	"X'00000837" Module name was null
16	(10)	BITSTRING	0	CSVDYNLRSNBADPROBDSNAMEAREA	"X'00000839" Attempt to ADD a data set but the concatenation is full.
16	(10)	BITSTRING	0	CSVDYNLRSNBADPROBDSNAMEALET	"X'0000083A" Error while accessing area to contain probdsname
16	(10)	BITSTRING	0	CSVDYNLRSNNOTPARTITIONED	"X'0000083B" ALET of area to contain PROBDSNAME is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADVOLID	"X'0000083C" The data set is not partitioned.
16	(10)	BITSTRING	0	CSVDYNLRSNMULTIVOLUME	"X'0000083D" The provided VolID does not match the one in the catalog.

CSVDLAA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
16	(10)	BITSTRING	0	CSVDYNLRSNMISSINGSYSDSN	"X'0000083E" IEFDDSRV's output was not as expected. The data set is multi-volume.
16	(10)	BITSTRING	0	CSVDYNLRSNUNDEFINECURRENT	"X'0000083F" The LNKST set being tested does not contain at least one of SYS1.LINKLIB, SYS1.MIGLIB, SYS1.CSSLIB. SYS1.SIEALNKE, and SYS1.SIEAMIGE. This should occur only if you used the SYSLIB statement of PROGxx.
16	(10)	BITSTRING	0	CSVDYNLRSNBADFOUNDSDNAMEAREA	"X'00000840" An attempt was made to UNDEFINE the current LNKST set.
16	(10)	BITSTRING	0	CSVDYNLRSNBADFOUNDSDNAMEALET	"X'00000841" Error while accessing area to contain FoundDsname
16	(10)	BITSTRING	0	CSVDYNLRSNBADSMS	"X'00000842" ALET of area to contain FoundDsname is not acceptable
16	(10)	X'C'	0	CSVDYNLRC_ENV	"X'00000843" The SMS status of the data set has changed. Either it is now SMS-managed but had not been, or it is not SMS-managed but had been.
					"12" Return code 12, environmental error

Comment

Reason codes for RC=12

End of Comment

16	(10)	BITSTRING	0	CSVDYNLRSNFUNCTIONNOTAVAILABLE	"X'00000C01"
16	(10)	BITSTRING	0	CSVDYNLRSNNOSTORAGE	"X'00000C02" Storage was not available for a system control block
16	(10)	BITSTRING	0	CSVDYNLRSNCHANGEINUSE	"X'00000C03" An attempt was made to change (ADD or DELETE) an in-use LNKST set.
16	(10)	BITSTRING	0	CSVDYNLRSNUNDEFINEUSERS	"X'00000C04" An attempt was made to UNDEFINE a LNKST set that is still in use. The request is denied.
16	(10)	BITSTRING	0	CSVDYNLRSNUNDEFINELLA	"X'00000C06" An attempt was made to UNDEFINE a LNKST set that is being used by LLA to manage the LNKST. The request is denied.
16	(10)	BITSTRING	0	CSVDYNLRSNBADIEFDDSRV	"X'00000C07" Bad return code from IEFDDSRV. 050201
16	(10)	X'10'	0	CSVDYNLRC_COMPERROR	"16" Unknown, unexpected error

Comment

Reason codes for RC=16

End of Comment

16	(10)	BITSTRING	0	CSVDYNLRSNCOMPERORR	"X'00001001" System error encountered by component.
16	(10)	X'20'	0	DLAAJA_LEN	"-DLAAJA"

CSVDLAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSVDYNLDYNAVAILABLE	10	1	CSVDYNLRSNBADAFTERDSNAMEALET	10	824
CSVDYNLDYNNOTAVAILABLE	10	0	CSVDYNLRSNBADAFTERDSNAMEAREA	10	821
CSVDYNLRC_COMPERROR	10	10	CSVDYNLRSNBADALLOC	10	816
CSVDYNLRC_ENV	10	C	CSVDYNLRSNBADANSAREA	10	829
CSVDYNLRC_INVPARM	10	8	CSVDYNLRSNBADANSAREALET	10	807
CSVDYNLRC_OK	10	0	CSVDYNLRSNBADANSLEN	10	806
CSVDYNLRC_WARN	10	4	CSVDYNLRSNBADANSNAME	10	808
CSVDYNLRSNADDSYSDSN	10	833	CSVDYNLRSNBADANSNAMEALET	10	823
CSVDYNLRSNALREADYEXISTS	10	836	CSVDYNLRSNBADANSNAMEAREA	10	820
CSVDYNLRSNBADAFTERDSNAME					

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSVDYNLRSNBADESTAEX	10	815	CSVDYNLRSNRESERVEDNOT0	10	831
CSVDYNLRSNBADFOUNDDSDNAMEALET	10	80A	CSVDYNLRSNROUTINENOTFOUND	10	80B
CSVDYNLRSNBADFOUNDDSDNAMEAREA	10	842	CSVDYNLRSNSRBMODE	10	402
CSVDYNLRSNBADIEFDDSRV	10	841	CSVDYNLRSNUNDEFINECURRENT	10	802
CSVDYNLRSNBADLNKLSTNAME	10	C07	CSVDYNLRSNUNDEFINELLA	10	840
CSVDYNLRSNBADOPEN	10	822	CSVDYNLRSNUNDEFINEUSERS	10	C06
CSVDYNLRSNBADPARMLIST	10	818	DLAADS	0	C04
CSVDYNLRSNBADPARMLISTALET	10	801	DLAADS_LEN	10	3C
CSVDYNLRSNBADPROBDSNAMEALET	10	80D	DLAADSAPF	4	80
CSVDYNLRSNBADPROBDSNAMEAREA	10	83B	DLAADSAPFNOTAVAILABLE	4	40
CSVDYNLRSNBADREQUESTTYPE	10	83A	DLAADSFLAGS	4	
CSVDYNLRSNBADSMS	10	809	DLAADSNAME	10	
CSVDYNLRSNBADVERSION	10	843	DLAADSNAMELEN	E	
CSVDYNLRSNBADVOLID	10	80E	DLAADSNEXT@	0	
CSVDYNLRSNCHANGEINUSE	10	83D	DLAADSNEXTADDR	0	
CSVDYNLRSNCODEMASK	10	C03	DLAADSSMSMANAGED	4	20
CSVDYNLRSNCOMPERROR	10	FFFF	DLAADSSMSNOTAVAILABLE	4	10
CSVDYNLRSNCONCATFULL	10	1001	DLAADSVOLID	8	
CSVDYNLRSNCONCATFULL	10	839	DLAAH#JA	0	
CSVDYNLRSNDATASETNOTFOUND	10	81C	DLAAH#LS	0	
CSVDYNLRSNDELETESYSDSN	10	834	DLAAH#REM	4	
CSVDYNLRSNFUNCTIONNOTAVAILABLE	10	C01	DLAAHDR	0	
CSVDYNLRSNFUNCTIONNOTAVAILABLEERROR	10	82B	DLAAHDR_LEN	C	10
CSVDYNLRSNHOMENOTPRIMARY	10	805	DLAAHFIRSTJA@	C	
CSVDYNLRSNLNKLSTSETNOTFOUND	10	819	DLAAHFIRSTJAADDR	C	
CSVDYNLRSNLOCKED	10	80F	DLAAHFIRSTTLS@	C	
CSVDYNLRSNMISSINGSYSDSN	10	83F	DLAAHFIRSTTLSADDR	C	
CSVDYNLRSNMULTIVOLUME	10	83E	DLAAHTLEN	8	
CSVDYNLRSNNOCOPYFROM	10	835	DLAAJA	0	
CSVDYNLRSNNOJOBASID	10	832	DLAAJA_LEN	10	20
CSVDYNLRSNNOMATCHINGJOB	10	406	DLAAJAASID	C	
CSVDYNLRSNNOMODNAME	10	837	DLAAJAJOBNAME	4	
CSVDYNLRSNNOSTORAGE	10	C02	DLAAJALSNAME	10	
CSVDYNLRSNNOTALLDATARETURNED	10	403	DLAAJANEXT@	0	
CSVDYNLRSNNOTAUTHORIZED	10	804	DLAAJANEXTADDR	0	
CSVDYNLRSNNOTENABLED	10	803	DLAALS	0	
CSVDYNLRSNNOTPARTITIONED	10	83C	DLAALS_LEN	2A	2C
CSVDYNLRSNRESERVEDNAME	10	83C	DLAALS#DS	28	
			DLAALS#U	2A	
			DLAALSCURRENT	1C	80
			DLAALSFIRSTDS@	4	
			DLAALSFIRSTDSADDR	4	
			DLAALSFIRSTU@	8	
			DLAALSFIRSTUADDR	8	
			DLAALSFLAGS	1C	
			DLAALSINUSEBYLLA	1C	20
			DLAALSLNKLSTSEQ#	20	
			DLAALSNAME	C	
			DLAALSNEXT@	0	

CSVDLAA Cross Reference

Name	Hex Offset	Hex Value
DLAALSNEXTADDR	0	
DLAALSWASCURRENT	1C	40
DLAAU	0	
DLAAU_LEN	E	10
DLAAUASID	C	
DLAAUJOBNAME	4	
DLAAUNEXT@	0	
DLAAUNEXTADDR	0	

CSVDCB Information

CSVDCB Programming Interface information

Programming Interface information

CSVDCB

ONLY the following fields are part of the programming interface information:

- DLCBDCB@
- DLCBLLT@
- DLCBLNKLSTSETNAME

End of Programming Interface information

CSV DLCB Heading Information • CSV DLCB Map

CSV DLCB Heading Information

Common Name: Dynamic LNK LST Control Block
Macro ID: CSV DLCB
DSECT Name: DLCB
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: DLCB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above-16M
Size: One per LNK LST set created
 DLCB -- X'0044' bytes
Created by: Created by system in response to CSV DYNL REQUEST=DEFINE
Pointed to by: ASSBDLCB
Serialization: ENQ Qname: SYSZCSV Rname: CSV DYNL
 No serialization is needed to access the DLCB pointed to by
 ASSBDLCB of the home address space.
Function: Maps the area representing a LNK LST set.

CSV DLCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLCB	
0	(0)	CHARACTER	12	DLCBNONINTERFACE1	Not part of the intended interface
0	(0)	CHARACTER	4	DLCBID	Acronym
12	(C)	ADDRESS	4	DLCBDCB@	This is a TOKEN that can be passed via the DCB parameter to such services as LINK and LOAD to indicate that the module search should use this particular LNK LST set. It is valid only if this DLCB is the LNK LST set pointed to by ASSBDLCB.
16	(10)	ADDRESS	4	DLCBLLT@	Address of LLT for this LNK LST. Not valid unless this is an active DLCB
20	(14)	CHARACTER	16	DLCBNONINTERFACE2	Not part of the intended interface
36	(24)	CHARACTER	16	DLCBLNK LST SETNAME	LNK LST set name
52	(34)	CHARACTER	16	DLCBNONINTERFACE3	Not part of the intended interface
52	(34)	X'44'	0	DLCB_LEN	""-DLCB"

CSVLENF Information

CSVLENF Programming Interface information

Programming Interface information

CSVLENF

End of Programming Interface information

CSVLENF Heading Information • CSVLENF Cross Reference

CSVLENF Heading Information

Common Name: Dynamic Lnkst ENF mapping (event code 52)
Macro ID: CSVLENF
DSECT Name: DLENF
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: DLEN
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 247 for ENF signal
 Key: 0
 Residency: Above 16M
Size: DLENF -- X'0080' bytes
Created by: Dynamic LNKST processing, and provided to ENF listeners for event 052.
Pointed to by: R1 on entry to ENF listening routine
Serialization: None required
Function: Maps the data provided for ENF event 052.

CSVLENF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DLENF	Dynamic LNKST Event Notification Parameter List
0	(0)	CHARACTER	4	DLENFID	Eyecatcher 'DLEN'
4	(4)	CHARACTER	5	DLENFCOMPONENT	Component acronym 'SC1CJ'
9	(9)	CHARACTER	3		Unused
12	(C)	SIGNED	4	DLENFLNKSTSEQ#	Seq# of the LNKST set. Note that the number always increases when a new LNKST set, or a not-in-use old LNKST set, is activated. But if an in-use LNKST set is activated, the number of that LNKST set does not change. That means that on an activation, the LNKST sequence number does change from what it was (ignoring the uninteresting case where you activate the current LNKST set, which is effectively a no-op), but does not necessarily increase.
16	(10)	CHARACTER	16	DLENFLNKSTNAME	Name of the LNKST set that was just activated
32	(20)	CHARACTER	8	DLENFTIMESTAMP	Time value (from STCK) of the activation
40	(28)	SIGNED	4	DLENFCONSID	Console ID of the issuer of the activation
44	(2C)	CHARACTER	80	DLENFUTOKEN	Security product user token of issuer of the activation
124	(7C)	CHARACTER	4		Unused
124	(7C)	X'D3C5D5'	0	DLENFIDCHARS	"C'DLEN" Eyecatcher
124	(7C)	X'80'	0	DLENF_LEN	"*-DLENF"

CSVLENF Cross Reference

Name	Hex Offset	Hex Value
DLENF	0	
DLENF_LEN	7C	80
DLENFCOMPONENT		
	4	
DLENFCONSID	28	
DLENFID	0	
DLENFIDCHARS	7C	D3C5D5
DLENFLNKSTNAME		
	10	
DLENFLNKSTSEQ#		
	C	
DLENFTIMESTAMP		
	20	
DLENFUTOKEN	2C	

CSVEXAA Information

CSVEXAA Programming Interface information

Programming Interface information

CSVEXAA

End of Programming Interface information

CSVEXAA Heading Information • CSVEXAA Map

CSVEXAA Heading Information

Common Name: Exit Answer Area
Macro ID: CSVEXAA
DSECT Name: EXAAHDR EXAAE EXAAM EXAAM1 EXAAM2
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: Variable
 EXAAHDR -- X'0010' bytes
 EXAAE -- X'0028' bytes
 EXAAM -- X'0018' bytes
 EXAAM1 -- X'0024' bytes
 EXAAM2 -- X'0034' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on CSVDYNEX LIST
Pointed to by: CSVDYNEX parameter list
Serialization: None required
Function: Maps the data returned by the CSVDYNEX macro, LIST request.

The returned information consists of a header (EXAAHDR) which indicates how many exit entries (EXAAE) follow. EXAAHFIRST@ is a pointer to the first EXAAE, and each EXAAE points to the next (EXAAENEXT@). The count provided in header field EXAAH#REC should be used to determine the number of exit entries to examine.

The caller indicates, via the ExaaVer keyword, whether module entries are mapped by EXAAM (the default, ExaaVer=0), EXAAM1 (ExaaVer=1), or EXAAM2 (ExaaVer=2)

Each EXAAE indicates how many module entries (EXAAM / EXAAM1 / EXAAM2) are associated with it. EXAAEFIRSTENT@ is a pointer to the first EXAAM/EXAAM1/EXAAM2, and each EXAAM/EXAAM1/EXAAM2 points to the next (EXAAMNEXT@/EXAAM1NEXT@/EXAAM2NEXT@). The count provided in exit entry field EXAAE#ENT should be used to determine the number of module entries to examine.

CSVEXAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXAAHDR	Header section
0	(0)	SIGNED	4	EXAAH#REC	Number of EXAAE entries which follow
4	(4)	SIGNED	4	EXAAH#REM	Number of EXAAE entries which were not returned because of insufficient space
8	(8)	SIGNED	4	EXAAHTLEN	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)	ADDRESS	4	EXAAHFIRST@	Address of first EXAAE
12	(C)	X'10'	0	EXAAHDR_LEN	**-EXAAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXAAE	EXAAE Record data format
0	(0)	ADDRESS	4	EXAAENEXT@	Address of next EXAAE. EXAAH#REC must be used to determine how far along this chain to go.
4	(4)	ADDRESS	4	EXAAEFIRSTENT@	Address of first EXAAM / EXAAM1 / EXAAM2 for this EXAAE
8	(8)	CHARACTER	16	EXAAENAME	Name of exit
24	(18)	SIGNED	2	EXAAE#ENT	Number of EXAAM/EXAAM1/EXAAM2 entries associated with this exit
26	(1A)	BITSTRING	1	EXAAEAMODE	Amode: 0 = Amode 31, 1 = Amode 24, 2 = Amode Defined. Equates are provided below. They begin with EXAAEAMODE_
27	(1B)	BITSTRING	1	EXAAEKEY	Defined Key
28	(1C)	BITSTRING	1	EXAAEFLAGS	

Comment

Bit definitions:

End of Comment

1...	EXAAEFASTPATHOK	"X'80" Fast path acceptable for this
.1..	EXAAEDEFINED	"X'40" Whether exit has been explicitly defined or simply has had modules added to it
..1.	EXAAEREENTRANTREQUIRED	"X'20" Reentrant was required for this exit
...1	EXAAEONEMODULEONLY	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		EXAAEABENDCONSEC	"X'10" This exit is defined to allow only one module to be associated with it at a time.
		.... .1..		EXAAEANYKEY	"X'08" Whether or not the exit requested consecutive abends
		.... ..1.		EXAAEEXITYPEINSTALLATION	"X'04" Fast path exit supports any key
		.... ...1		EXAAEEXITYPEPROGRAM	"X'02" This is an installation exit. It is possible that neither this nor the program exit bit is on.
29	(1D)	BITSTRING	1	EXAAEFLAGS1	"X'01" This is a program exit. It is possible that neither this nor the installation exit bit is on.

Comment

Bit definitions:

End of Comment

		1...		EXAAELOADAPFYES	"X'80" LOADAPF=YES was requested for this exit
		.1..		EXAAEPERSISTJOBSTEPTASK	"X'40" PERSIST=JOBSTEPTASK was requested for this exit
		..1.		EXAAEPERSISTADDRESSSPACE	"X'20" PERSIST=ADDRESSSPACE was requested for this exit
		...1		EXAAEPERSISTIPL	"X'10" PERSIST=IPL was requested for this exit
30	(1E)	CHARACTER	2		Reserved
32	(20)	SIGNED	4	EXAAEABENDNUM	Number of abends allowed
36	(24)	ADDRESS	4	EXAAEPRECALLROUTINEADDR	050201
36	(24)	X'0'	0	EXAAEAMODE_31	"0" Value for ExaaeAmode indicating AMODE 31
36	(24)	X'1'	0	EXAAEAMODE_24	"1" Value for ExaaeAmode indicating AMODE 24
36	(24)	X'2'	0	EXAAEAMODE_DEFINED	"2" Value for ExaaeAmode indicating AMODE DEFINED
36	(24)	X'28'	0	EXAAE_LEN	""-EXAAE"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXAAM	EXAAM Record data format
0	(0)	ADDRESS	4	EXAAMNEXT@	Address of next EXAAM. EXAAE#ENT must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	EXAAMNAME	Module name
12	(C)	BITSTRING	1	EXAAMFLAGS	

Comment

Bit definitions:

End of Comment

		1...		EXAAMACTIVE	"X'80" If on, state of module is active
		.1..		EXAAMJOBNAMEPROVIDED	"X'40" If on, jobname filtering was requested.
		..1.		EXAAMSTOKENPROVIDED	"X'20" If on, stoken filtering was requested.
13	(D)	CHARACTER	3		Reserved
16	(10)	CHARACTER	8	EXAAMSTOKEN	If ExaamStokenProvided is on, this contains the STOKEN.
16	(10)	CHARACTER	8	EXAAMJOBNAME	If ExaamJobnameProvided is on, this contains the jobname.
16	(10)	X'18'	0	EXAAM_LEN	""-EXAAM"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXAAM1	Exaam1 Record data format
0	(0)	ADDRESS	4	EXAAM1NEXT@	Address of next Exaam1. EXAAE#ENT must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	EXAAM1NAME	Module name
12	(C)	BITSTRING	1	EXAAM1FLAGS	

CSVEXAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Bit definitions:					
End of Comment					
		1... ..		EXAAM1ACTIVE	"X'80" If on, state of module is active
		.1.. ..		EXAAM1JOBNAMEPROVIDED	"X'40" If on, jobname filtering was requested.
		..1.		EXAAM1STOKENPROVIDED	"X'20" If on, token filtering was requested.
13	(D)	CHARACTER	3		Reserved
16	(10)	CHARACTER	8	EXAAM1STOKEN	If Exaam1StokenProvided is on, this contains the STOKEN.
16	(10)	CHARACTER	8	EXAAM1JOBNAME	If Exaam1JobnameProvided is on, this contains the jobname.
24	(18)	ADDRESS	4	EXAAM1EPADDR	Entry point address of exit module. This was either determined by the system or provided by the issuer of CSVDYNEX REQUEST=ADD via the MODADDR keyword. Bit 0 of this word is on if the module is to be called in 31-bit AMODE.
28	(1C)	ADDRESS	4	EXAAM1LOADPT	Load point of exit module. When 0, the load point is not known. The load point is only known when the module was located by the system from the Inklst or a user-specified data set.
32	(20)	SIGNED	4	EXAAM1MODLEN	The length of the exit routine load module. When 0, no length is known. The length is only known when the module was located by the system from the Inklst or a user-specified data set. Note that this is the length of the load module containing the exit module.
32	(20)	X'24'	0	EXAAM1_LEN	**-EXAAM1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXAAM2	Exaam2 Record data format
0	(0)	ADDRESS	4	EXAAM2NEXT@	Address of next Exaam2. EXAAE#ENT must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	EXAAM2NAME	Module name
12	(C)	BITSTRING	1	EXAAM2FLAGS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Bit definitions:					
End of Comment					
		1... ..		EXAAM2ACTIVE	"X'80" If on, state of module is active
		.1.. ..		EXAAM2JOBNAMEPROVIDED	"X'40" If on, jobname filtering was requested.
		..1.		EXAAM2STOKENPROVIDED	"X'20" If on, token filtering was requested.
		...1		EXAAM2ABENDCONSEC	"X'10" If on, consecutive-abend is active for this routine, either because it is active for the whole exit or for this routine
13	(D)	BITSTRING	1	EXAAM2REQUESTEDPOS	The POS requested when the exit routine was added. Values are as defined by CSVDYNEX MF=(L,xxx) with names beginning xxx_xPOS_. Due to subsequent EXIT ADD requests, an exit routine that was added FIRST (or LAST) might not currently be FIRST (or LAST).
14	(E)	CHARACTER	2		Reserved
16	(10)	CHARACTER	8	EXAAM2STOKEN	If Exaam2StokenProvided is on, this contains the STOKEN.
16	(10)	CHARACTER	8	EXAAM2JOBNAME	If Exaam2JobnameProvided is on, this contains the jobname.
24	(18)	ADDRESS	4	EXAAM2EPADDR	Entry point address of exit module. This was either determined by the system or provided by the issuer of CSVDYNEX REQUEST=ADD via the MODADDR keyword. Bit 0 of this word is on if the module is to be called in 31-bit AMODE.
28	(1C)	ADDRESS	4	EXAAM2LOADPT	Load point of exit module. When 0, the load point is not known. The load point is only known when the module was located by the system from the Inklst or a user-specified data set.
32	(20)	SIGNED	4	EXAAM2MODLEN	The length of the exit routine load module. When 0, no length is known. The length is only known when the module was located by the system from the Inklst or a user-specified data set. Note that this is the length of the load module containing the exit module.
36	(24)	CHARACTER	8	EXAAM2PARAM	The parameter associated with the exit routine
44	(2C)	SIGNED	4	EXAAM2ABENDNUM	The ABENDNUM parameter associated with the exit routine, or if there is none associated, then the parameter associated with the exit.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	SIGNED	4	EXAAM2NUMABENDSLEFT	The number of abends left before the exit routine might be disabled. Initially, or for an AbendConsec exit routine after a call completes without abend, the value is set to the abendnum. The value is decremented on each abend. A value of 1 indicates that disablement will occur on the next abend.
48	(30)	X'34'	0	EXAAM2_LEN	** -EXAAM2"

CSVEXAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EXAAE	0		EXAAM1_LEN	20	24
EXAAE_LEN	24	28	EXAAM1ACTIVE	C	80
EXAAE#ENT	18		EXAAM1EPADDR	18	
EXAAEABENDCONSEC	1C	8	EXAAM1FLAGS	C	
EXAAEABENDNUM	20		EXAAM1JOBNAME	10	
EXAAEAMODE	1A		EXAAM1JOBNAMEPROVIDED	C	40
EXAAEAMODE_DEFINED	24	2	EXAAM1LOADPT	1C	
EXAAEAMODE_24	24	1	EXAAM1MODLEN	20	
EXAAEAMODE_31	24	0	EXAAM1NAME	4	
EXAAEANYKEY	1C	4	EXAAM1NEXT@	0	
EXAAEDEFINED	1C	40	EXAAM1STOKEN	10	
EXAAEEXITTYPEINSTALLATION	1C	2	EXAAM1STOKENPROVIDED	C	20
EXAAEEXITTYPEPROGRAM	1C	1	EXAAM2	0	
EXAAEFASTPATHOK	1C	80	EXAAM2_LEN	30	34
EXAAEFIRSTENT@	4		EXAAM2ABENDCONSEC	C	10
EXAAEFLAGS	1C		EXAAM2ABENDNUM	2C	
EXAAEFLAGS1	1D		EXAAM2ACTIVE	C	80
EXAAEKEY	1B		EXAAM2EPADDR	18	
EXAAELOADAPFYES	1D	80	EXAAM2FLAGS	C	
EXAAENAME	8		EXAAM2JOBNAME	10	
EXAAENEXT@	0		EXAAM2JOBNAMEPROVIDED	C	40
EXAAEONEMODULEONLY	1C	10	EXAAM2LOADPT	1C	
EXAAEPERSISTADDRESSSPACE	1D	20	EXAAM2MODLEN	20	
EXAAEPERSISTIPL	1D	10	EXAAM2NAME	4	
EXAAEPERSISTJOBSTEPTASK	1D	40	EXAAM2NEXT@	0	
EXAAEPRECALLROUTINEADDR	24		EXAAM2NUMABENDSLEFT	30	
EXAAEREENTRANTREQUIRED	1C	20	EXAAM2PARAM	24	
EXAAH#REC	0		EXAAM2REQUESTEDPOS	D	
EXAAH#REM	4		EXAAM2STOKEN	10	
EXAAHDR	0		EXAAM2STOKENPROVIDED	C	20
EXAAHDR_LEN	C	10			
EXAAHFIRST@	C				
EXAAHTLEN	8				
EXAAM	0				
EXAAM_LEN	10	18			
EXAAMACTIVE	C	80			
EXAAMFLAGS	C				
EXAAMJOBNAME	10				
EXAAMJOBNAMEPROVIDED	C	40			
EXAAMNAME	4				
EXAAMNEXT@	0				
EXAAMSTOKEN	10				
EXAAMSTOKENPROVIDED	C	20			
EXAAM1	0				

CSVEXRET Information

CSVEXRET Programming Interface information

Programming Interface information

CSVEXRET

End of Programming Interface information

CSVEXRET Heading Information • CSVEXRET Map

CSVEXRET Heading Information

Common Name: Exit Return information area
Macro ID: CSVEXRET
DSECT Name: EXRET EXRET1
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: Variable
 EXRET -- X'0018' bytes
 EXRET1 -- X'0020' bytes
Created by: Caller, passed as parameter on RETINFO keyword
 on CSVVDYNEX REQUEST=CALL or CSVVDYNEX REQUEST=RECOVER
Pointed to by: CSVVDYNEX parameter list
Serialization: None required
Function: Maps the data returned by the CSVVDYNEX macro, CALL or RECOVER request.

The caller indicates, via the ExretVer keyword, whether entries are mapped by EXRET (the default, ExretVer=0) or EXRET1 (ExretVer=1).

The returned information consists of a header (EXRETHDR/EXRET1HDR) which helps to indicate how many entries (EXRETINFO/EXRET1INFO) follow. Those entries are contiguous (e.g., entry 2 immediately follows entry 1 when more than one entry is returned).

CSVEXRET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXRET	
0	(0)	CHARACTER	8	EXRETHDR	
0	(0)	SIGNED	4	EXRET#RET	Number of modules for which information is returned. When RETINFO=LAST, RETINFO=LOWEST, or RETINFO=HIGHEST is specified, this indicates how many modules were called, since information about only one is returned.
4	(4)	SIGNED	4	EXRET#REM	Number of modules remaining for which information was not returned. This field will be 0 for REQUEST=RECOVER.
8	(8)	CHARACTER	16	EXRETINFO	Return information entry
8	(8)	BITSTRING	1	EXRETFLAGS	Return flags

Comment

Bit definitions:

End of Comment

9	(9)	1... BITSTRING	1	EXRETABEND EXRETRECOVERFLAGS	"X'80" Indicates that the called module abended Output from the RECOVER function. This is not set for the CALL function.
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Comment

Bit definitions:

End of Comment

		1...		EXRETRECERRORBEFOREINIT	"X'80" Error occurred before initialization completed. It is likely that the input WorkArea was not valid.
		.1..		EXRETRECEXITMODINCONTROL	"X'40" Error occurred within an exit module.
		..1.		EXRETRECACCRUB	"X'20" Error occurred while accessing RUB area
		...1		EXRETRECACCRETAREA	"X'10" Error occurred while accessing RetArea
		.... 1...		EXRETRECACCPList	"X'08" Error occurred while accessing parameter list
		.... .1..		EXRETRECPRECALLRTNINCONTROL	"X'04" Error occurred within the precall routine 050201
10	(A)	CHARACTER	2		Reserved
12	(C)	CHARACTER	12	EXRETREGS	Information from regs
12	(C)	SIGNED	4	EXRETCODE	Return code, if bit ExretAbend is off
12	(C)	SIGNED	4	EXRETABENDCODE	Abend code, if bit ExretAbend is on. Its format matches that of SDWACMPC
16	(10)	SIGNED	4	EXRETRSN	Reason code, if bit ExretAbend is off
16	(10)	SIGNED	4	EXRETABENDRSNCODE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	SIGNED	4	EXRETR1	Abend reason code, if bit ExretAbend is on
20	(14)	X'18'	0	EXRET_LEN	Return value in R1 from exit, if bit ExretAbend is off
					**-EXRET"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXRET1	
0	(0)	CHARACTER	8	EXRET1HDR	
0	(0)	SIGNED	4	EXRET1#RET	Number of modules for which information is returned. When RETINFO=LAST, RETINFO=LOWEST, or RETINFO=HIGHEST is specified, this indicates how many modules were called, since information about only one is returned.
4	(4)	SIGNED	4	EXRET1#REM	Number of modules remaining for which information was not returned. This field will be 0 for REQUEST=RECOVER.
8	(8)	CHARACTER	24	EXRET1INFO	Return information entry
8	(8)	BITSTRING	1	EXRET1FLAGS	Return flags

Comment

Bit definitions:

End of Comment

9	(9)	1... .. BITSTRING	1	EXRET1ABEND EXRET1RECOVERFLAGS	"X'80" Indicates that the called module abended Output from the RECOVER function. This is not set for the CALL function.
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Comment

Bit definitions:

End of Comment

		1... ..		EXRET1RECEERRORBEFOREINIT	"X'80" Error occurred before initialization completed. It is likely that the input WorkArea was not valid.
		.1.. ..		EXRET1RECEEXITMODINCONTROL	"X'40" Error occurred within an exit module.
		..1.		EXRET1REACCCRUB	"X'20" Error occurred while accessing RUB area
		...1		EXRET1REACCRETAREA	"X'10" Error occurred while accessing RetArea
		.... 1...		EXRET1REACCCPLIST	"X'08" Error occurred while accessing parameter list
		.... .1..		EXRET1RECPRECALLRTNINCONTROL	"X'04" Error occurred within the precall routine 050201
10	(A)	CHARACTER	2		Reserved
12	(C)	CHARACTER	12	EXRET1REGS	Information from regs
12	(C)	SIGNED	4	EXRET1CODE	Return code, if bit ExRet1Abend is off
12	(C)	SIGNED	4	EXRET1ABENDCODE	Abend code, if bit ExRet1Abend is on. Its format matches that of SDWACMPC
16	(10)	SIGNED	4	EXRET1RSN	Reason code, if bit ExRet1Abend is off
16	(10)	SIGNED	4	EXRET1ABENDRSNCODE	Abend reason code, if bit ExRet1Abend is on
20	(14)	SIGNED	4	EXRET1R1	Return value in R1 from exit, if bit ExRet1Abend is off
24	(18)	CHARACTER	8	EXRET1MODNAME	Name of the exit routine when 1st word not all 0's 050201
24	(18)	CHARACTER	4	EXRET1PRECALLINDICATOR	When all 0's, the next word contains the address of the precall routine, and the precall routine was in control 050201
28	(1C)	ADDRESS	4	EXRET1PRECALLROUTINEADDR	The address of the precall routine 050201

Comment

General constants for CSVXYNEX

End of Comment

28	(1C)	X'0'	0	CSVXYNEX_PRECALL_CALL	"0" Return code from the precall routine indicating to call the exit routine 050201
28	(1C)	X'8'	0	CSVXYNEX_PRECALL_NOCALL	"8" Return code from the precall routine indicating not to call the exit routine 050201

CSVEXRET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Return Code / Reason code constants for CSVXYNEX					
It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code).					
Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.					
End of Comment					
28	(1C)	BITSTRING	0	CSVXYNEXRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
28	(1C)	X'0'	0	CSVXYNEXRC_OK	"0" Return code 0, success
28	(1C)	X'4'	0	CSVXYNEXRC_WARN	"4" Return code 4, warning
Comment					
Reason codes for RC=4					
End of Comment					
28	(1C)	BITSTRING	0	CSVXYNEXRSNALREADYEXISTS	"X'00000401" The exit or module already exists
28	(1C)	BITSTRING	0	CSVXYNEXRSNDOESNOTEXIST	"X'00000402" The module or exit does not exist.
28	(1C)	BITSTRING	0	CSVXYNEXRSNNOTALLDATARETURNED	"X'00000403" For LIST, the provided output area was not large enough to contain all the data.
28	(1C)	BITSTRING	0	CSVXYNEXRSNNOMODULES	"X'00000406" For CALL or QUERY no modules were associated with the exit.
28	(1C)	BITSTRING	0	CSVXYNEXRSNMOREMODULES	"X'00000407" For CALL, there are more modules to be called for this exit. The call process stopped because the return area was not large enough to contain data for all the modules.
28	(1C)	BITSTRING	0	CSVXYNEXRSNUSERKEYDELETENOFORCE	"X'00000408" User Key FastPath module (or AnyKey FastPath module) delete was specified without FORCE=YES. Exit has been deactivated but storage has not been freed.
28	(1C)	BITSTRING	0	CSVXYNEXRSNQUERYNOTFOUND	"X'00000409" For REQUEST=QUERY, the exit name was not found.
28	(1C)	BITSTRING	0	CSVXYNEXRSNIMPLICITLYDEFINED	"X'0000040A" For REQUEST=QUERY, the exit was implicitly defined by virtue of having either its attributes set or modules added to it.
28	(1C)	X'8'	0	CSVXYNEXRC_INVPARM	"8" Return code 8, invalid parameter
Comment					
Reason codes for RC=8					
End of Comment					
28	(1C)	BITSTRING	0	CSVXYNEXRSNBADPARMLIST	"X'00000801" Error while accessing parameter list
28	(1C)	BITSTRING	0	CSVXYNEXRSNSRBMODE	"X'00000802" Caller was in SRB mode
28	(1C)	BITSTRING	0	CSVXYNEXRSNNOTENABLED	"X'00000803" Caller was not enabled
28	(1C)	BITSTRING	0	CSVXYNEXRSNNOTAUTHORIZED	"X'00000804" Caller was not authorized
28	(1C)	BITSTRING	0	CSVXYNEXRSNHOMENOTPRIMARY	"X'00000805" HASN != PASN
28	(1C)	BITSTRING	0	CSVXYNEXRSNBADANSAREALET	"X'00000806" ALET of ANSAREA was not acceptable
28	(1C)	BITSTRING	0	CSVXYNEXRSNBADANSAREA	"X'00000807" Error while accessing ANSAREA
28	(1C)	BITSTRING	0	CSVXYNEXRSNBADANSLEN	"X'00000808" ANSLEN was not at least as long as EXAAHDR mapped by CSVEXAA.
28	(1C)	BITSTRING	0	CSVXYNEXRSNBADREQUESTTYPE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADESTAE	"X'00000809" Parameter list contains an incorrect request type. Possible overlay.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNRESERVEDNOT0	"X'0000080A" ESTAE recovery could not be established. Possibly the caller had an EUT FRR.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADPARMLISTALET	"X'0000080B" Parameter list contains a non-0 value in a reserved field. Possible overlay.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADVERSION	"X'0000080D" ALET of parameter list was not acceptable.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNLOCKED	"X'0000080E" Parameter list contains an incorrect version number. Possible overlay.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNOFASTPATH	"X'0000080F" Caller held a system lock.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADDSNAREA	"X'00000814" The exit was not defined to allow fastpath calls
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADRETAREA	"X'00000815" Error while accessing area containing DSN
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADWORKAREA	"X'00000816" Error while accessing RETAREA
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADOPEN	"X'00000817" Error while accessing WORKAREA
28	(1C)	BITSTRING	0	CSVVDYNEXRSNEXITNAMENOTFOUND	"X'00000818" Unable to open supplied data set.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADRETLEN	"X'00000819" EXITNAME does not exist
28	(1C)	BITSTRING	0	CSVVDYNEXRSNREG2INRUB	"X'0000081A" RETLEN was not at least as large as EXRETHDR plus one EXRETINFO entry
28	(1C)	BITSTRING	0	CSVVDYNEXRSNMODULENOTFOUND	"X'0000081B" RUB indicated to set reg 2. Not allowed when exit allows AMODE 24 (i.e., the exit is defined as AMODE=24 or AMODE=DEFINED).
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNORESMGR	"X'0000081C" Requested module was not found.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADNEXTTOKEN	"X'0000081D" Unable to establish resource manager needed to track the persistence requirement of the exit.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNWORKAREABADDATA	"X'0000081E" NEXTTOKEN is incorrect
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADDSNAMEALET	"X'0000081F" WORKAREA contains incorrect data
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADRETAREAALET	"X'00000820" ALET of area containing DSN is not acceptable
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADEXITNAME	"X'00000821" ALET of RETAREA is not acceptable
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADMODNAME	"X'00000822" EXITNAME begins with blank or hex zero
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADRUB	"X'00000823" MODNAME begins with blank or hex zero
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADRUBALET	"X'00000824" Error accessing RUB
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADSDWA	"X'00000825" ALET of RUB is not acceptable
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADAMODE	"X'00000826" Error accessing SDWA provided on CSVVDYNEX REQUEST=RECOVER
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADKEY	"X'00000827" Exit is 31, module is 24 or vice versa
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADALLOC	"X'00000828" Key is not 0-15 for DEFINE or caller's key does not match defined key for CALL.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNOTREENTRANT	"X'00000829" Unable to allocate requested data set
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNODYNALLOC	"X'0000082A" Module is not reentrant
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADABENDCONSEC	"X'0000082B" Dsname specified when dynamic allocation is not yet allowed by the system
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNOTAPFAUTHORIZED	"X'0000082C" AbendConsec=YES is not allowed for fast path user key exit
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADAPF	"X'0000082E" Specified data set was not APF authorized, so unable to load from it.

CSVEXRET Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	BITSTRING	0	CSVVDYNEXRSNREG3WITHLINKSTACKNO	"X'0000082F" Request=CALL with LINKSTACK(NO) specified reg(3) in the RUB
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADEXAAVER	"X'00000830" EXAAVER field in parameter list has an incorrect value
28	(1C)	BITSTRING	0	CSVVDYNEXRSNANYKEYNOTRENT	"X'00000831" Request=DEFINE with ANYKEY=YES but not REENTRANT=REQ
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADPOS	"X'00000832" POS value is incorrect.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNBADEXRETVER	"X'00000833" EXRETVER field in parameter list has an incorrect value
28	(1C)	BITSTRING	0	CSVVDYNEXRSNTASKNOTBELOWINITIATOR	"X'00000834" Task is not valid for LOCAL=YES. It must be the jobstep-program task or a descendant of that task. 050201
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNOPRECALLWA	"X'00000835" REQUEST=CALL with FASTPATH=YES was issued for an exit for which a precall routine was defined, but no workarea was provided via the PRECALLWA parameter 050201
28	(1C)	X'C'	0	CSVVDYNEXRC_ENV	"12" Return code 12, environmental error

Comment

Reason codes for RC=12

End of Comment

28	(1C)	BITSTRING	0	CSVVDYNEXRSNFUNCTIONNOTAVAILABLE	"X'00000C01"
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNOSTORAGE	"X'00000C02" Storage was not available for a system control block or for containing the exit module.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNONEMODULEONLY	"X'00000C03" The single module allowed by this exit has already been associated with that exit. The newly requested module cannot also be associated with that exit.
28	(1C)	BITSTRING	0	CSVVDYNEXRSNNOTIMPLICITLYDEFINED	"X'00000C04" An operator UNDEFINE request was requested but the exit had been explicitly defined. The request is denied.
28	(1C)	X'10'	0	CSVVDYNEXRC_COMPERROR	"16" Unknown, unexpected error

Comment

Reason codes for RC=16

End of Comment

28	(1C)	BITSTRING	0	CSVVDYNEXRSNCOMPERROR	"X'00001001" System error encountered by component.
28	(1C)	X'20'	0	EXRET1_LEN	"-EXRET1"

CSVEXRET Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSVVDYNEX_PRECALL_CALL	1C	0	CSVVDYNEXRSNBADALLOC	1C	829
CSVVDYNEX_PRECALL_NOCALL	1C	8	CSVVDYNEXRSNBADAMODE	1C	827
CSVVDYNEXRC_COMPERROR	1C	10	CSVVDYNEXRSNBADANSAREA	1C	807
CSVVDYNEXRC_ENV	1C	C	CSVVDYNEXRSNBADANSAREAALET	1C	806
CSVVDYNEXRC_INVPARM	1C	8	CSVVDYNEXRSNBADANSLEN	1C	808
CSVVDYNEXRC_OK	1C	0	CSVVDYNEXRSNBADDSNAMEALET	1C	820
CSVVDYNEXRC_WARN	1C	4	CSVVDYNEXRSNBADDSNAREA	1C	815
CSVVDYNEXRSNALREADYEXISTS	1C	401	CSVVDYNEXRSNBADESTAE	1C	80A
CSVVDYNEXRSNANYKEYNOTRENT	1C	831	CSVVDYNEXRSNBADEXAAVER	1C	830
CSVVDYNEXRSNBADABENDCONSEC	1C	82C	CSVVDYNEXRSNBADEXITNAME	1C	822

Name	Hex Offset	Hex Value
CSVDYNEXRSNBADEXRETVER	1C	833
CSVDYNEXRSNBADKEY	1C	828
CSVDYNEXRSNBADMODNAME	1C	823
CSVDYNEXRSNBADNEXTTOKEN	1C	81E
CSVDYNEXRSNBADOPEN	1C	818
CSVDYNEXRSNBADPARMLIST	1C	801
CSVDYNEXRSNBADPARMLISTALET	1C	80D
CSVDYNEXRSNBADPOS	1C	832
CSVDYNEXRSNBADREQUESTTYPE	1C	809
CSVDYNEXRSNBADRETAREA	1C	816
CSVDYNEXRSNBADRETAREALET	1C	821
CSVDYNEXRSNBADRETLEN	1C	81A
CSVDYNEXRSNBADRUB	1C	824
CSVDYNEXRSNBADRUBALET	1C	825
CSVDYNEXRSNBADSDWA	1C	826
CSVDYNEXRSNBADVERSION	1C	80E
CSVDYNEXRSNBADWORKAREA	1C	817
CSVDYNEXRSNCODEMASK	1C	FFFF
CSVDYNEXRSNCOMPERROR	1C	1001
CSVDYNEXRSNDOESNOTEXIST	1C	402
CSVDYNEXRSNEXITNAMENOTFOUND	1C	819
CSVDYNEXRSNFUNCTIONNOTAVAILABLE	1C	C01
CSVDYNEXRSNHOMENOTPRIMARY	1C	805
CSVDYNEXRSNIMPLICITLYDEFINED	1C	40A
CSVDYNEXRSNLOCKED	1C	80F
CSVDYNEXRSNMODULENOTFOUND	1C	81C
CSVDYNEXRSNMOREMODULES	1C	407
CSVDYNEXRSNNODYNALLOC	1C	82B
CSVDYNEXRSNNOFASPATH	1C	814
CSVDYNEXRSNNOMODULES	1C	406
CSVDYNEXRSNNOPRECALLWA	1C	835
CSVDYNEXRSNNORESMTGR	1C	81D
CSVDYNEXRSNNOSTORAGE	1C	C02
CSVDYNEXRSNNOTALLDATARETURNED	1C	403
CSVDYNEXRSNNOTAPFAUTHORIZED	1C	82E
CSVDYNEXRSNNOTAUTHORIZED	1C	804
CSVDYNEXRSNNOTENABLED	1C	803

Name	Hex Offset	Hex Value
CSVDYNEXRSNNOTIMPLICITLYDEFINED	1C	C04
CSVDYNEXRSNNOTREENTRANT	1C	82A
CSVDYNEXRSNONEMODULEONLY	1C	C03
CSVDYNEXRSNQUERYNOTFOUND	1C	409
CSVDYNEXRSNREG2INRUB	1C	81B
CSVDYNEXRSNREG3WITHLINKSTACKNO	1C	82F
CSVDYNEXRSNRESERVEDNOT0	1C	80B
CSVDYNEXRSNSRBMODE	1C	802
CSVDYNEXRSNTASKNOTBELOWINITIATOR	1C	834
CSVDYNEXRSNUSERKEYDELETENOFORCE	1C	408
CSVDYNEXRSNWORKAREABADDATA	1C	81F
EXRET	0	
EXRET_LEN	14	18
EXRET#REM	4	
EXRET#RET	0	
EXRETABEND	8	80
EXRETABENDCODE		
EXRETABENDRSNCODE	C	
EXRETCODE	10	
EXRETFLAGS	8	
EXRETHDR	0	
EXRETINFO	8	
EXRETRECACCP LIST	9	8
EXRETRECACC RETAREA	9	10
EXRETRECACC RUB	9	20
EXRETRECERRORBEFOREINIT	9	80
EXRETRECEXITMODINCONTROL	9	40
EXRETRECOVERFLAGS	9	
EXRETRECPRECALLRTNINCONTROL	9	4
EXRETREGS	C	
EXRETRSN	10	
EXRETR1	14	
EXRET1	0	
EXRET1_LEN	1C	20
EXRET1#REM	4	
EXRET1#RET	0	
EXRET1ABEND	8	80
EXRET1ABENDCODE		
EXRET1ABENDRSNCODE	C	
EXRET1CODE	10	
EXRET1FLAGS	8	
EXRET1HDR	0	
EXRET1INFO	8	
EXRET1MODNAME	18	
EXRET1PRECALLINDICATOR	18	
EXRET1PRECALLROUTINEADDR	1C	
EXRET1RECACCP LIST	9	8
EXRET1RECACC RETAREA	9	8

CSVEXRET Cross Reference

Name	Hex Offset	Hex Value
EXRET1RECACCRUB	9	10
EXRET1RECERRORBEFOREINIT	9	20
EXRET1RECEXITMODINCONTROL	9	80
EXRET1RECOVERFLAGS	9	40
EXRET1RECPRECALLRTNINCONTROL	9	4
EXRET1REGS	C	
EXRET1RSN	10	
EXRET1R1	14	

CSVEXTI Information

CSVEXTI Programming Interface information

Programming Interface information

CSVEXTI

End of Programming Interface information

CSVEXTI Heading Information • CSVEXTI Map

CSVEXTI Heading Information

Common Name: LOAD EXTInfo parameter mapping
Macro ID: CSVEXTI
DSECT Name: EXTI EXTIXE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: Variable
 EXTI -- X'0130' bytes
 EXTIXE -- X'0010' bytes
Created by: Caller and passed as parameter on EXTINFO keyword on LOAD
Pointed to by: LOAD parameter list
Serialization: None required
Function: Maps the data returned by the LOAD macro EXTINFO keyword.

CSVEXTI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXTI	EXTINFO mapping
0	(0)	SIGNED	1	EXTI_VERSION	Must be initialized to 0
1	(1)	SIGNED	1	EXTI_NUMEXTENTS	1 to 16
2	(2)	SIGNED	1	EXTI_AUTH	Authorization
3	(3)	CHARACTER	5		Reserved
8	(8)	CHARACTER	8	EXTI_EPA_BASSM	Entry Point address. This address is in the format needed to BASSM to the target routine. Thus, an AMODE 64 target will have bit 63 on. An AMODE 31 target will have bit 32 on. An AMODE 24 target will have neither.
8	(8)	CHARACTER	4	EXTI_EPA_BASSM_H	High half
12	(C)	CHARACTER	4	EXTI_EPA_BASSM_L	Low half
16	(10)	CHARACTER	8	EXTI_EPA	Entry Point address. This has no AMODE bits on.
16	(10)	CHARACTER	4	EXTI_EPA_H	High half
20	(14)	CHARACTER	4	EXTI_EPA_L	Low half
24	(18)	CHARACTER	8	EXTI_XATTR1	Extended attributes
32	(20)	CHARACTER	16		Reserved
48	(30)	CHARACTER	256	EXTI_EXTENT_AREA	EXTI_NUMEXTENTS contiguous entries each mapped by DSECT EXTIXE
48	(30)	X'130'	0	EXTI_LEN	**-EXTI"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EXTIXE	Extinfo Extent Entry
0	(0)	CHARACTER	8	EXTIXE_ADDR	Address
0	(0)	CHARACTER	4	EXTIXE_ADDR_H	High half
4	(4)	CHARACTER	4	EXTIXE_ADDR_L	Low half
8	(8)	CHARACTER	8	EXTIXE_LENGTH	Length
8	(8)	CHARACTER	4	EXTIXE_LENGTH_H	High half
12	(C)	CHARACTER	4	EXTIXE_LENGTH_L	Low half
12	(C)	X'10'	0	EXTIXE_LEN	**-EXTIXE"

CSVEXTI Cross Reference

Name	Hex Offset	Hex Value
EXTI	0	
EXTI_AUTH	2	
EXTI_EPA	10	
EXTI_EPA_BASSM		
	8	
EXTI_EPA_BASSM_H		
	8	
EXTI_EPA_BASSM_L		
	C	
EXTI_EPA_H	10	
EXTI_EPA_L	14	
EXTI_EXTENT_AREA		
	30	
EXTI_LEN	30	130
EXTI_NUMEXTENTS		
	1	
EXTI_VERSION	0	
EXTI_XATTR1	18	
EXTIXE	0	
EXTIXE_ADDR	0	
EXTIXE_ADDR_H		
	0	
EXTIXE_ADDR_L		
	4	
EXTIXE_LEN	C	10
EXTIXE_LENGTH		
	8	
EXTIXE_LENGTH_H		
	8	
EXTIXE_LENGTH_L		
	C	

CSVLPRET Information

CSVLPRET Programming Interface information

Programming Interface information

CSVLPRET

End of Programming Interface information

CSVLPRET Heading Information • CSVLPRET Map

CSVLPRET Heading Information

Common Name: Dynamic LPA Return Information
Macro ID: CSVLPRET
DSECT Name: LPMEA LPMED LPMEAX LPMEAQ
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: Variable
 LPMEA -- X'0028' bytes
 LPMEAX -- X'0010' bytes
 LPMEAQ -- X'0024' bytes
 LPMED -- X'0014' bytes
Created by: Caller and passed as parameter on MODINFO keyword on CSVDYLPA ADD and DELETE
 System and passed as parameter to exit CSVDYLPA
 System and provided as information within SMF Type 90 Subtype 31 record
Pointed to by: CSVDYLPA parameter list
 Parameter passed to exit CSVDYLPA
 Area within SMF Type 90 Subtype 31 record
Serialization: None required
Function: The MODINFO area is a contiguous array of entries, mapped by the LPMEA (for ADD) or LPMED (for DELETE) DSECT
 An LPMEAX can be provided for ADD, which is also a contiguous array of entries. Each LPMEAX entry is related to the corresponding LPMEA entry.
 An LPMEAQ must be provided when QueryOnly=YES is specified.

 An area of contiguous entries mapped by the LPMEA DSECT is provided to exit CSVDYLPA

 An area of contiguous entries mapped by the LPMEA DSECT is provided within the SMF Type 90 Subtype 31 record

CSVLPRET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LPMEA	Modinfo entry for ADD
0	(0)	CHARACTER	10	LPMEAINPUTINFO	Information provided by caller of dynamic LPA services. Provided to exit CSVDYLPA. Mapping of module entries within Type 90 Subtype 31 SMF records.
0	(0)	CHARACTER	8	LPMEANAME	The module name
8	(8)	BITSTRING	2	LPMEAINPUTFLAGS	Flags set by the caller Not applicable to exit CSVDYLPA or SMF record.
8	(8)	BITSTRING	1	LPMEAINPUTFLAGSO	Byte 0 of Flags. Not applicable when BYADDR=YES.

Comment

Bit definitions:

End of Comment

1...
.1.

LPMEAFIXED "X'80" If on, page-fix this module
LPMEAPAGEPROTPAGE

"X'40" If on, page-protect only the whole pages of this module. If off, page-protect all bytes of this module. Be aware that when page-protecting all bytes of the module, storage utilization for the module may increase, as the system allocates a number of whole pages for the module, rather than just the amount of storage that is truly necessary to load the module.

..1.

LPMEASTORAGEOWNERSYSTEM

"X'20" If on, the storage in which the module is placed is to be OWNER=SYSTEM. If off, it is OWNER=HOME.

9 (9)

BITSTRING

1

LPMEAINPUTFLAGSI

Byte 1 of Flags. Not applicable when BYADDR=YES.

Comment

Bit definitions:

End of Comment

1...

LPMEASVC

"X'80" This entry is an SVC. The SVC number is in LpmeaxSvcnum.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		LPMEAESVC	"X'40" This entry is an extended SVC. The SVC number is in LpmeaxSvcrnum. The extended svc routing code is in LpmeaxESvcrnum.
10	(A)	CHARACTER	30	LPMEAOUTPUTINFO	
10	(A)	BITSTRING	2	LPMEAOUTPUTFLAGS	
					Output: Flags
10	(A)	BITSTRING	1	LPMEAOUTPUTFLAGS0	Byte 0 of Flags. Only bit LpmeaSuccess is applicable to exit CSVDYLPA or SMF record - the module entry is only valid when that bit is on.
Comment					
Bit definitions:					
End of Comment					
		1...		LPMEASUCCESS	"X'80" Successfully processed
		.1..		LPMEAMODPROB	"X'40" A problem occurred processing this entry. Function with problem is indicated by LpmeaModprobFunction.
		..1.		LPMEAMODPROBABENDINFO	"X'20" An unexpected abend occurred while processing this entry. Further information is in the LpmeaAbendRsnCodes area.
		...1		LPMEAMODPROBRETURNCODEINFO	"X'10" An unexpected return code was received while processing this entry. Further information is in the LpmeaRetRsnCodes area.
11	(B)	BITSTRING	1	LPMEAMODPROBFUNCTION	Function with problem. See equates below that have names beginning with LpmeaModprob. Valid when LpmeaModprob is on.
11	(B)	BITSTRING	1	LPMEASUCCESSCONCATNUM	The concatenation number (0 to n) representing the data set in which the module was located. This will be 0 when the input was by data set (as opposed to by DDNAME or DCB address). It is only valid when LpmeaSuccess is on, or for exit CSVDYLPA or SMF record. It is not valid for ByADDR=YES or when PATHNAME is used.
12	(C)	CHARACTER	28	LPMEASTUFF	
12	(C)	CHARACTER	28	LPMEASUCCESSINFO	Valid only when LpmeaSuccess is on.
12	(C)	CHARACTER	8	LPMEADELETETOKEN	Output: Token to be used on DELETE for this module.
20	(14)	ADDRESS	4	LPMEAENTRYPOINTADDR	Output: The entry point. (Input for BYADDR=YES.) If this is a DELETE event either for exit CSVDYLPA or for an SMF record, then this field represents the entry point address of the now-current LPA copy of the module, or has a value of X'7FFFFFFF' when there is no remaining LPA copy of the module (in which case the LoadPointAddr and Length fields are not valid).
20	(14)	BITSTRING	3	LPMEAENTRYPOINTADDRBYTES0TO2	
Comment					
Bit definitions:					
End of Comment					
		1...		LPMEAENTRYPOINTADDRBIT0	"X'80" On if AMODE=31 or if the caller is AMODE 31 and the entry is AMODE=ANY
23	(17)	BITSTRING	1	LPMEAENTRYPOINTADDRBYTE3	
Comment					
Bit definitions:					
End of Comment					
		.... ...1		LPMEAENTRYPOINTADDRBIT31	"X'01" On if AMODE=64
24	(18)	ADDRESS	4	LPMEALOADPOINTADDR	Output: The load point. (Input for BYADDR=YES.)
28	(1C)	SIGNED	4	LPMEAMODLEN	Output: The length. (Input for BYADDR=YES.)
32	(20)	ADDRESS	4	LPMEALOADPOINTADDR2	Output: The load point of the secondary area. A PDSE module may be split into an above-16M part and a below-16M part. When the module is not split, this will be 0. (Input for BYADDR=YES.)
36	(24)	SIGNED	4	LPMEAMODLEN2	Output: The length of the secondary area. When the module is not split, this will be 0. (Input for BYADDR=YES.)
12	(C)	CHARACTER	8	LPMEARETRSNCODES	Valid when LpmeaModprobReturnCodeInfo

CSVLPRET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	LPMEARETCODE	Output: Return code from function designated in LpmeaModprobFunction
16	(10)	SIGNED	4	LPMEARSNCODE	Output: Reason code from function designated in LpmeaModprobFunction
12	(C)	CHARACTER	8	LPMEAABENDRSNCODES	Valid when LpmeaModprobAbendInfo
12	(C)	SIGNED	4	LPMEAABENDCODE	Output: Abend code from function designated in LpmeaModprobFunction
16	(10)	SIGNED	4	LPMEAABENDRSNCODE	Output: Abend reason code from function designated in LpmeaModprobFunction
40	(28)	X'28'	0	LPMEA_LEN_V0	"40" Version 0 length
40	(28)	X'1'	0	LPMEAMODPROBNOTFOUND	"1" The module could not be located via the data set, ddname, or DCB@ that was provided
40	(28)	X'2'	0	LPMEAMODPROBNOTAUTH	"2" Not authorized to add this module to LPA
40	(28)	X'3'	0	LPMEAMODPROBDIRECTORY	"3" Directory processing produced an unexpected return code
40	(28)	X'4'	0	LPMEAMODPROBFETCH	"4" FETCH produced an unexpected return code
40	(28)	X'6'	0	LPMEAMODPROBPAGEPROT	"6" PGSER PROTECT produced an unexpected abend
40	(28)	X'7'	0	LPMEAMODPROBTOOMANYEXTENTS	"7" Only load modules with 1 or 2 extents defined can be processed.
40	(28)	X'8'	0	LPMEAMODPROBNOTEXECUTABLE	"8" The module is not executable
40	(28)	X'A'	0	LPMEAMODPROBDESERVEDSL	"10" Directory processing produced an unexpected return code
40	(28)	X'B'	0	LPMEAMODPROBDUPLICATE	"11" The member is a duplicate of another member.
40	(28)	X'C'	0	LPMEAMODPROBAMODE64NOTZARCH	"12" Attempt to create an LPA module byaddr that is AMODE 64 but the system is not running in z/Architecture mode
40	(28)	X'D'	0	LPMEAMODPROBXP4LOD	"13" Bpx4lod produced an unexpected return code
40	(28)	X'E'	0	LPMEAMODPROBNOTAPFPROG	"14" The module to be loaded via pathname was not marked as an APF program via the UNIX extattr command with the +a attribute.
40	(28)	X'14'	0	LPMEAMODPROBUNEXPECTEDABEND	"20" An unexpected abend resulted while processing. Fields LpmeaAbendcode and LpmeaAbendrsncode contain the abend code and abend reason code.
40	(28)	X'28'	0	LPMEA_LEN	"*-LPMEA"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LPMEAX	Modinfo entry for ADD
0	(0)	BITSTRING	1	LPMEAXVERSION	This is an input field. Should be 0, but is not checked.
1	(1)	CHARACTER	15	LPMEAXMOREINPUTINFO	Information provided by the caller
1	(1)	BITSTRING	1	LPMEAXSVCNUM	Input SVC num
2	(2)	BITSTRING	1	LPMEAXESVCRNUM	Input extended SVC routing number
3	(3)	CHARACTER	13		Reserved
3	(3)	X'10'	0	LPMEAX_LEN_V0	"16" Version 0 length
3	(3)	X'10'	0	LPMEAX_LEN	"*-LPMEAX"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LPMEAQ	Modinfo entry for ADD with QUERYONLY=YES
0	(0)	BITSTRING	1	LPMEAQVERSION	Initial version: 0 This is an output field.
1	(1)	CHARACTER	3		Reserved
4	(4)	SIGNED	4	LPMEAQCSAREQ	Amount of CSA needed
8	(8)	SIGNED	4	LPMEAQECSAREQ	Amount of ECSA needed
12	(C)	SIGNED	4	LPMEAQSQAREQ	Amount of SQA needed
16	(10)	SIGNED	4	LPMEAQESQAREQ	Amount of ESQA needed
20	(14)	CHARACTER	16		Reserved
20	(14)	X'24'	0	LPMEAQ_LEN_V0	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	X'24'	0	LPMEAQ_LEN	"36" Version 0 length "-LPMEAQ"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LPMED	Modinfo entry for DELETE
0	(0)	CHARACTER	18	LPMEDINPUTINFO	Information provided by caller
0	(0)	CHARACTER	8	LPMEDNAME	The module name
8	(8)	CHARACTER	8	LPMEDDELETETOKEN	Token returned when this module was added. Identifies the copy to delete.
16	(10)	BITSTRING	2	LPMEDINPUTFLAGS	Flags set by the caller
16	(10)	BITSTRING	1	LPMEDINPUTFLAGS0	Byte 0 of Flags
17	(11)	BITSTRING	1	LPMEDINPUTFLAGS1	Byte 0 of Flags
18	(12)	CHARACTER	2	LPMEDOUTPUTINFO	Information provided by the system.
18	(12)	BITSTRING	2	LPMEDOUTPUTFLAGS	Output: Flags
18	(12)	BITSTRING	1	LPMEDOUTPUTFLAGS0	Byte 0 of Flags

Comment

Bit definitions:

End of Comment

		1...		LPMEDSUCCESS	"X'80" Successfully processed
		.1..		LPMEDMODPROB	"X'40" Problem occurred processing this entry. Function with problem is indicated by LpmedModprobFunction.
19	(13)	BITSTRING	1	LPMEDMODPROBFUNCTION	Function with problem. See equates beginning with LpmedModprob. Valid when LpmedModprob is on
19	(13)	X'14'	0	LPMED_LEN_V0	"20" Version 0 length
19	(13)	X'1'	0	LPMEDMODPROBNOTFOUND	"1" The module was not part of dynamic LPA.
19	(13)	X'2'	0	LPMEDMODPROBNOTAUTH	"2" Not authorized to delete this module from LPA
19	(13)	X'3'	0	LPMEDMODPROBUNEXPECTEDABEND	"3" An unexpected abend resulted while processing.

Comment

Format constants returned for CSVDYLPA REQUEST(QUERYDYN)

End of Comment

19	(13)	X'0'	0	CSVDYLPADYNNOTAVAILABLE	"0"
19	(13)	X'1'	0	CSVDYLPADYNAAVAILABLE	"1"

Comment

Deferred LPA State constants returned for CSVDYLPA REQUEST(QUERYDEFLPA)

End of Comment

19	(13)	X'0'	0	CSVDYLPADEFLPASTATE_INCOMPLETE	"0"
19	(13)	X'1'	0	CSVDYLPADEFLPASTATE_COMPLETE	"1"

Comment

Function constants for exit CSVDYLPA

End of Comment

19	(13)	X'0'	0	CSVDYLPAFUNCTIONADD	"0"
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CSVLPRET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
19	(13)	X'1'	0	CSVDYLPFUNCTIONDELETE	"1"
Comment					
Return Code Information It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.					
End of Comment					
19	(13)	BITSTRING	0	CSVDYLPARSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
CSVDYLPA Return and Reason Code definitions					
End of Comment					
		.... ....		CSVDYLPARC_OK	"X'00000000" Meaning: CSVDYLPA request successful. Action: None required.
		.... .1..		CSVDYLPARC_WARN	"X'00000004" Meaning: Warning Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTALLSUCCESSFUL	"X'00000401" Meaning: For ADD and DELETE request, at least one input module could not be processed successfully. Information about the problem is contained within the MODINFO entry for that module, in field LpmeaOutputFlags (for ADD) or field LpmedOutputFlags (for DELETE). The system continued to process entries after the one for which the problem occurred. Action: Fix the problem before requesting the function again.
		.... 1...		CSVDYLPARC_INVPARM	"X'00000008" Meaning: CSVDYLPA request specifies parameters that are not valid. For ADD and DELETE, when the problem occurred while processing a particular MODINFO entry, the system will not process any additional MODINFO entries. Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVDYLPARSNBADPARMLIST	"X'00000801" Meaning: Unable to access parameter list. Action: Check for possible storage overlay.
19	(13)	BITSTRING	0	CSVDYLPARSNRSRBMODE	"X'00000802" Meaning: SRB mode. Action: Avoid requesting this function in SRB mode.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTENABLED	"X'00000803" Meaning: Not Enabled. Action: Avoid requesting this function while not enabled.
19	(13)	BITSTRING	0	CSVDYLPARSNHOMENOTPRIMARY	"X'00000805" Meaning: Home address space different from primary address space. Action: Avoid requesting this function in this environment.
19	(13)	BITSTRING	0	CSVDYLPARSNBADREQUESTTYPE	"X'00000809" Meaning: Request type is not valid. Action: Check for possible storage overlay of the parameter list.
19	(13)	BITSTRING	0	CSVDYLPARSNBADESTAEX	"X'0000080A" Meaning: Unable to establish ESTAEX. "xxxx" contains the ESTAEX return code. There could be an FRR established. Action: Refer to documentation for ESTAEX return code "xxxx".
19	(13)	BITSTRING	0	CSVDYLPARSNRESERVEDNOT0	"X'0000080B" Meaning: Reserved field not 0. Action: Check for possible storage overlay of the parameter list.
19	(13)	BITSTRING	0	CSVDYLPARSNBADPARMLISTALET	"X'0000080D" Meaning: Unable to use ALET of parameter list. Action: Make sure that the ALET of the parameter list is valid. The access register might not have been set up correctly.
19	(13)	BITSTRING	0	CSVDYLPARSNBADVERSION	"X'0000080E" Meaning: Bad version number. Action: Check for possible storage overlay of the parameter list.
19	(13)	BITSTRING	0	CSVDYLPARSNLOCKED	"X'0000080F" Meaning: Locked Action: Avoid requesting this function in this environment.
19	(13)	BITSTRING	0	CSVDYLPARSNBADDSNAMEAREA	"X'00000815" Meaning: Unable to access data set name. Action: Make sure that the DSNAME area is valid.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
19	(13)	BITSTRING	0	CSV DYLPARSNBADMODINFOAREA	"X'00000816" Meaning: Unable to access MODINFO area. Action: Make sure that the MODINFO area is valid.
19	(13)	BITSTRING	0	CSV DYLPARSNBADMODINFOALET	"X'00000817" Meaning: Unable to use ALET of MODINFO area. Action: Make sure that the ALET of the MODINFO area is valid. The access register might not have been set up correctly.
19	(13)	BITSTRING	0	CSV DYLPARSNBADOPEN	"X'00000818" Meaning: Unable to open specified data set. Action: Make sure that you specified the proper data set, that it is a PDS or PDSE program library, and that it can be located by the system.
19	(13)	BITSTRING	0	CSV DYLPARSNBADNUMMOD	"X'0000081D" Meaning: The value provided by the NUMMOD parameter is 0 or exceeds 256. Action: Specify a non-zero NUMMOD parameter value. Instead of providing more than 256 entries in a single call, use multiple calls each of which provides no more than 256 entries.
19	(13)	BITSTRING	0	CSV DYLPARSNBADDSNAMEALET	"X'00000820" Meaning: Bad dsname ALET. Action: Make sure that the ALET of the DSNAME area is valid. The access register might not have been set up correctly.
19	(13)	BITSTRING	0	CSV DYLPARSNBADMODULENAME	"X'00000822" Meaning: Bad module name - first character is 0 or blank. Action: Provide a valid module name.
19	(13)	BITSTRING	0	CSV DYLPARSNBADDSNAME	"X'00000823" Meaning: Bad DSNAME - first character is 0 or blank. Action: Provide a valid data set name.
19	(13)	BITSTRING	0	CSV DYLPARSNBADALLOC	"X'00000829" Meaning: Unable to allocate data set. Action: Make sure that you specified the proper data set, that it is a PDS or PDSE program library, and that it can be located by the system.
19	(13)	BITSTRING	0	CSV DYLPARSNFUNCTIONNOTAVAILABLE	"X'0000082B" Meaning: Required DFSMS function or dynamic allocation is not available or request issued prior to the LNKLST being available. Action: Make sure that the required DFSMS support is installed. Avoid requesting the function in an environment where dynamic allocation is not available. Avoid requesting the function until the LNKLST is available. Avoid requesting dynamic LPA services via the PROG=xx parameter of the IEASYSxx parmlib member.
19	(13)	BITSTRING	0	CSV DYLPARSNNOTAUTHDCB	"X'0000082C" Meaning: Not authorized to use DCB option. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using the DCB option without the required authorization.
19	(13)	BITSTRING	0	CSV DYLPARSNNOTAUTHCONCAT	"X'0000082D" Meaning: If not supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized, or if APFREQUIRED=YES is specified or defaulted, the concatenation represented by the input DDNAME or DCB must be APF authorized. Action: Avoid using a non-APF authorized concatenation without the required authorization.
19	(13)	BITSTRING	0	CSV DYLPARSNNOTAUTHMEMBERMASK	"X'0000082E" Meaning: Not authorized to use MemberMask option. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using the MODINFOTYPE=MEMBERMASK function without the required authorization.
19	(13)	BITSTRING	0	CSV DYLPARSNBADMODINFOXAREA	"X'00000830" Meaning: Unable to access MODINFOX area. Action: Make sure that the MODINFOX area is valid.
19	(13)	BITSTRING	0	CSV DYLPARSNBADMODINFOXALET	"X'00000831" Meaning: Unable to use ALET of MODINFOX area. Action: Make sure that the ALET of the MODINFOX area is valid. The access register might not have been set up correctly.
19	(13)	BITSTRING	0	CSV DYLPARSNESVC	"X'00000832" Meaning: A non-extended SVC was selected, but the specified SVC number is an extended SVC. Action: Fix the SVC number.
19	(13)	BITSTRING	0	CSV DYLPARSNNOTESVC	"X'00000833" Meaning: An extended SVC was selected, but the specified SVC number is not an extended SVC. Action: Fix the SVC number.
19	(13)	BITSTRING	0	CSV DYLPARSNBADESVCRRNUM	"X'00000834" Meaning: The routing number for the selected extended SVC exceeded the number of entries for that extended SVC that were defined at IPL. Action: Fix the extended SVC routine number.
19	(13)	BITSTRING	0	CSV DYLPARSNNOTPARTITIONED	"X'0000083C" Meaning: For ADD request, the data set is not partitioned. Action: Make sure that you specified the proper data set and that it is a PDS or PDSE program library.
19	(13)	BITSTRING	0	CSV DYLPARSNBADBYADDRINFO	

CSVLPRET Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
19	(13)	BITSTRING	0	CSVSYLPARSNOTAUTHBYADDR	"X'0000083D" Meaning: For ADD request with BYADDR=YES, the module information is incorrect. Action: Make sure that the entry point and load point addresses represent common area storage. Make sure that the entry point lies within the primary load segment.
19	(13)	BITSTRING	0	CSVSYLPARSNBADDCBAREA	"X'0000083E" Meaning: Not authorized to use BYADDR=YES option. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using BYADDR=YES without the required authorization.
19	(13)	BITSTRING	0	CSVSYLPARSNENQHEDSHARED	"X'0000083F" Meaning: Unable to access the opened DCB. Action: Make sure that the DCB has been opened.
19	(13)	BITSTRING	0	CSVSYLPARSNBADLPMEQAAREA	"X'00000840" Meaning: The ENQ resource with QNAME SYSZCSV and RNAME CSVSYLPWA was held in the shared state on entry to dynamic LPA services. Action: Avoid holding the ENQ shared when using dynamic LPA services.
19	(13)	BITSTRING	0	CSVSYLPARSNBADLPMEQALET	"X'00000841" Meaning: Unable to access LPMEQA area. Action: Make sure that the LPMEQA area is valid.
19	(13)	BITSTRING	0	CSVSYLPARSNBADLPMEQALET	"X'00000842" Meaning: Unable to use ALET of LPMEQA area. Action: Make sure that the ALET of the LPMEQA area is valid. The access register might not have been set up correctly.
19	(13)	BITSTRING	0	CSVSYLPARSNOTAUTHADDALIAS	"X'00000843" Meaning: Not authorized to use the ADDALIAS=YES function. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using the ADDALIAS=YES function without the required authorization.
19	(13)	BITSTRING	0	CSVSYLPARSNBADPATHNAMELEN	"X'00000844" Meaning: The PATHNAMELEN parameter value is not in the range 1-1023. Action: Provide a valid PATHNAMELEN parameter value.
19	(13)	BITSTRING	0	CSVSYLPARSNBADPATHNAMEAREA	"X'00000845" Meaning: Unable to access the pathname. Action: Make sure that the PATHNAME area is valid.
19	(13)	BITSTRING	0	CSVSYLPARSNBADPATHNAMEALET	"X'00000846" Meaning: Unable to use ALET of PATHNAME area. Action: Make sure that the ALET of the PATHNAME area is valid. The access register might not have been set up correctly.
19	(13)	BITSTRING	0	CSVSYLPARSNBADPATHNAMENUMMOD	"X'00000847" Meaning: PATHNAME was specified and the value provided by the NUMMOD parameter is not 1. Action: Provide only 1 entry per call.
19	(13)	BITSTRING	0	CSVSYLPARSNOTAUTHDEFPLPAWAIT	"X'00000848" Meaning: Not authorized to use REQUEST=DEFPLPAWAIT. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using REQUEST=DEFPLPAWAIT without the required authorization.
		.... 11..		CSVSYLPARC_ENV	"X'0000000C" Meaning: Environmental error Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVSYLPARSNNOSTORAGE	"X'00000C02" Meaning: There is not sufficient storage to complete the request. Action: Contact your system programmer. There is a shortage of common storage.
19	(13)	BITSTRING	0	CSVSYLPARSNBADDIRECTORY	"X'00000C04" Meaning: When using the MemberMask option, the data set directory was in error. Either an I/O error occurred accessing the directory, or the format of a directory entry was incorrect. Action: Fix the data set directory. Make sure that the data set is a PDS or PDSE program library.
19	(13)	BITSTRING	0	CSVSYLPARSNSTORAGELIMEXCEEDED	"X'00000C05" Meaning: For ADD request, the amount of module storage needed for the request would have caused the amount of CSA or ECSA remaining to fall below the threshold specified by the system programmer using the LPA CSAMIN statement of PROGxx or the SETPROG LPA,CSAMIN system command. Action: Specify that fewer modules be added, or have the system programmer reduce the CSAMIN amounts.
		...1		CSVSYLPARC_COMPERROR	"X'00000010" Meaning: Unexpected failure. Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVSYLPARSNCOMPERROR	"X'00001001" Meaning: Unexpected failure. The state of the request is unpredictable. Action: Contact your system programmer.
19	(13)	X'14'	0	LPMED_LEN	"-LPMED"

CSVLPRET Cross Reference

Name	Hex Offset	Hex Value
CSVDYLPADEFLPASTATE_COMPLETE	13	1
CSVDYLPADEFLPASTATE_INCOMPLETE	13	0
CSVDYLPADYNAVAILABLE	13	1
CSVDYLPADYNNOTAVAILABLE	13	0
CSVDYLPAFUNCTIONADD	13	0
CSVDYLPAFUNCTIONDELETE	13	1
CSVDYLPARC_COMPERROR	13	10
CSVDYLPARC_ENV	13	C
CSVDYLPARC_INVPARM	13	8
CSVDYLPARC_OK	13	0
CSVDYLPARC_WARN	13	4
CSVDYLPARSNBADALLOCC	13	829
CSVDYLPARSNBADBYADDRINFO	13	83D
CSVDYLPARSNBADDCBAREA	13	83F
CSVDYLPARSNBADDIRECTORY	13	C04
CSVDYLPARSNBADDSNAME	13	823
CSVDYLPARSNBADDSNAMEALET	13	820
CSVDYLPARSNBADDSNAMEAREA	13	815
CSVDYLPARSNBADESTAEX	13	80A
CSVDYLPARSNBADESVCNUM	13	834
CSVDYLPARSNBADLPMEAQALET	13	842
CSVDYLPARSNBADLPMEQAAREA	13	841
CSVDYLPARSNBADMODINFOALET	13	817
CSVDYLPARSNBADMODINFOAREA	13	816
CSVDYLPARSNBADMODINFOXALET	13	831
CSVDYLPARSNBADMODINFOXAREA	13	830
CSVDYLPARSNBADMODULENAME	13	822
CSVDYLPARSNBADNUMMOD	13	81D
CSVDYLPARSNBADOPEN	13	818
CSVDYLPARSNBADPARMLIST	13	801
CSVDYLPARSNBADPARMLISTALET	13	80D
CSVDYLPARSNBADPATHNAMEALET	13	846
CSVDYLPARSNBADPATHNAMEAREA	13	845
CSVDYLPARSNBADPATHNAMELEN	13	844
CSVDYLPARSNBADPATHNAMENUMMOD	13	847
CSVDYLPARSNBADREQUESTTYPE	13	809

Name	Hex Offset	Hex Value
CSVDYLPARSNBADVERSION	13	80E
CSVDYLPARSNCODEMASK	13	FFFF
CSVDYLPARSNCOMPERROR	13	1001
CSVDYLPARSNENQHELDSSHARED	13	840
CSVDYLPARSNESVC	13	832
CSVDYLPARSNFUNCTIONNOTAVAILABLE	13	82B
CSVDYLPARSNHOMENOTPRIMARY	13	805
CSVDYLPARSNLOCKED	13	80F
CSVDYLPARSNNOSTORAGE	13	C02
CSVDYLPARSNNOTALLSUCCESSFUL	13	401
CSVDYLPARSNNOTAUTHHADDALIAS	13	843
CSVDYLPARSNNOTAUTHBYADDR	13	83E
CSVDYLPARSNNOTAUTHCONCAT	13	82D
CSVDYLPARSNNOTAUTHDCB	13	82C
CSVDYLPARSNNOTAUTHDEFPLAWAIT	13	848
CSVDYLPARSNNOTAUTHMEMBERMASK	13	82E
CSVDYLPARSNNOTENABLED	13	803
CSVDYLPARSNNOTESVC	13	833
CSVDYLPARSNNOTPARTITIONED	13	83C
CSVDYLPARSNRESERVEDNOT0	13	80B
CSVDYLPARSNRSRBMODE	13	802
CSVDYLPARSNSTORAGELIMEXCEED	13	C05
LPMEA	0	
LPMEA_LEN	28	28
LPMEA_LEN_V0	28	28
LPMEAABENDCODE		C
LPMEAABENDRSNCODE		10
LPMEAABENDRSNCODES		C
LPMEADELETETOKEN		C
LPMEAENTRYPOINTADDR		14
LPMEAENTRYPOINTADDRBIT0		14
LPMEAENTRYPOINTADDRBIT31		17
LPMEAENTRYPOINTADDRBYTES0TO2		14
LPMEAENTRYPOINTADDRBYTE3		17
LPMEAESVC	9	40
LPMEAFIXED	8	80
LPMEAINPUTFLAGS		8
LPMEAINPUTFLAGS0		8
LPMEAINPUTFLAGS1		8

CSVLPRET Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LPMEAINPUTINFO	9		LPMEASVC	C	
LPMEALOADPOINTADDR	0		LPMEASVC	9	80
LPMEALOADPOINTADDR2	18		LPMEAX	0	
LPMEAMODLEN	20		LPMEAX_LEN	3	10
LPMEAMODLEN2	1C		LPMEAX_LEN_V0		
LPMEAMODPROB	24		LPMEAXESVCRNUM	3	10
LPMEAMODPROBABENDINFO	A	40	LPMEAXESVCRNUM	2	
LPMEAMODPROBABENDINFO	A	20	LPMEAXMOREINPUTINFO	1	
LPMEAMODPROBAMODE64NOTZARCH	28	C	LPMEAXSVCNUM	1	
LPMEAMODPROBAPX4LOD	28	D	LPMEAXVERSION	0	
LPMEAMODPROBDESERVDESL	28	A	LPMED	0	
LPMEAMODPROBDIRECTORY	28	3	LPMED_LEN	13	14
LPMEAMODPROBDUPLICATE	28	B	LPMED_LEN_V0	13	14
LPMEAMODPROBFETCH	28	4	LPMEDDELETETOKEN	8	
LPMEAMODPROBFUNCTION	B		LPMEDINPUTFLAGS	10	
LPMEAMODPROBNOTAPFFPROG	28	E	LPMEDINPUTFLAGS0	10	
LPMEAMODPROBNOTAUTH	28	2	LPMEDINPUTFLAGS1	11	
LPMEAMODPROBNOTEXECUTABLE	28	8	LPMEDINPUTINFO	0	
LPMEAMODPROBNOTFOUND	28	1	LPMEDMODPROB	12	40
LPMEAMODPROBPAGEPROT	28	6	LPMEDMODPROBFUNCTION	13	
LPMEAMODPROBRETURNCODEINFO	A	10	LPMEDMODPROBNOTAUTH	13	2
LPMEAMODPROBTOOMANYEXTENTS	28	7	LPMEDMODPROBNOTFOUND	13	1
LPMEAMODPROBUNEXPECTEDABEND	28	14	LPMEDMODPROBUNEXPECTEDABEND	13	3
LPMEANAME	0		LPMEDNAME	0	
LPMEAOUTPUTFLAGS	A		LPMEDOUTPUTFLAGS	12	
LPMEAOUTPUTFLAGSO	A		LPMEDOUTPUTFLAGSO	12	
LPMEAOUTPUTINFO	A		LPMEDOUTPUTINFO	12	
LPMEAPAGEPROTPAGE	8	40	LPMEDSUCCESS	12	80
LPMEAQ	0				
LPMEAQ_LEN	14	24			
LPMEAQ_LEN_V0	14	24			
LPMEAQCSAREQ	4				
LPMEAQCSAREQ	8				
LPMEAQESQAREQ	10				
LPMEAQSQAREQ	C				
LPMEAQVERSION	0				
LPMEARETCODE	C				
LPMEARETRSNCODES	C				
LPMEARSNCODE	10				
LPMEASTORAGEOWNERSYSTEM	8	20			
LPMEASTUFF	C				
LPMEASUCCESS	A	80			
LPMEASUCCESSCONCATNUM	B				
LPMEASUCCESSINFO					

CSVMODI Information

CSVMODI Programming Interface information

Programming Interface information

CSVMODI

The following field is **NOT** programming interface information:

- MODI_PATHTOKEN

End of Programming Interface information

CSVMODI Heading Information • CSVMODI Map

CSVMODI Heading Information

Common Name: Contents module information
Macro ID: CSVMODI
DSECT Name: MODI_HEADER MODI_1 MODI_2 MODI_3 MODI_4 MODI_5 MODI_SEGLEN MODI_SEGADDR
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: MODI
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: User
Size: MODI64_1 -- X'0018' bytes
 MODI_HEADER -- X'004C' bytes
 MODI_1 -- X'004C' bytes
 MODI_2 -- X'000C' bytes
 MODI_3 -- X'0020' bytes
 MODI_4 -- X'0004' bytes
 MODI_5 -- X'0008' bytes
 MODI_SEGLEN -- X'0004' bytes
 MODI_SEGADDR -- X'0004' bytes
Created by: CSVINFO service
Pointed to by: This is a mapping for a parameter to the user routine called by the CSVINFO service (CSVINFOM). When the user routine gets control, register 1 points to a pointer to this information.
Serialization: Local lock for Job Pack Q and CMS lock for LPA for callers that are Supervisor state and PSW key 0.
Function: To provide information associated with an entry point.

CSVMODI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MODI_HEADER	
0	(0)	CHARACTER	4	MODI_EYECATCHER	= 'MODI'
4	(4)	CHARACTER	16	MODI_USERDATA	Copy of CSVINFO USERDATA
20	(14)	ADDRESS	4	MODI_ABDPL	Address of ABDUMP parmlist
24	(18)	CHARACTER	52	MODI_SECTIONS	Addresses and lengths of sections
24	(18)	ADDRESS	4	MODI_1_PTR	Address of the 1st section
28	(1C)	SIGNED	4	MODI_1_LEN	Length of the 1st section
32	(20)	ADDRESS	4	MODI_2_PTR	Address of the 2nd section
36	(24)	SIGNED	4	MODI_2_LEN	Length of the 2nd section
40	(28)	ADDRESS	4	MODI_3_PTR	Address of the 3rd section
44	(2C)	SIGNED	4	MODI_3_LEN	Length of the 3rd section
48	(30)	ADDRESS	4	MODI_4_PTR	Address of the 4th section
52	(34)	SIGNED	4	MODI_4_LEN	Length of the 4th section
56	(38)	ADDRESS	4	MODI_5_PTR	Address of the 5th section
60	(3C)	SIGNED	4	MODI_5_LEN	Length of the 5th section
64	(40)	BITSTRING	4	MODI_FLAGS	Flags

Comment

Bit definitions:

End of Comment

1...	....	MODI_NO_MODI_2	"X'80" The MODI_2 data could not be accessed from the dump
.1..	....	MODI_NO_MODI_3	"X'40" The MODI_3 data could not be accessed from the dump
..1.	....	MODI_NO_MODI_4	"X'20" The MODI_4 data could not be accessed from the dump
...1	....	MODI_NO_MODI_5	"X'10" The MODI_5 data could not be accessed from the dump
....	1...	MODI_NO_MODI_EPNAME	"X'08" The MODI_EPNAME field could not be accessed from the dump
....	.1..	MODI_NO_MODI64_1	"X'04" The MODI64_1 data could not be accessed
....	..1.	MODI_NO_MODI_DYNLPAPATHNAME	"X'02" The MODI_DynlpaPathnameLen and MODI_DynlpaPathnameAddr fields could not be determined from the dump
68	(44)	BITSTRING	3 Reserved
68	(44)	ADDRESS	4 MODI64_1_PTR Address of the 1st 64-bit section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
72	(48)	SIGNED	4	MODI64_1_LEN	Length of the 1st 64-bit section
72	(48)	X'4C'	0	MODI_HEADER_LLL	**-.MODI_HEADER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MODI_1	
0	(0)	ADDRESS	4	MODI_RB@	If the module is reentrant, this field contains the address of the last RB that controlled the module. If the module is serially reusable, this field contains the address of the RB at the top of the Waiting queue. If the module was requested only through LOAD macro instructions, contains ZERO.
4	(4)	CHARACTER	8	MODI_8_BYTE_NAME	8 byte module name. This field does not contain the module name if MODI_PATHNAME is set on. In that case, this field contains an EBCDIC value indicating this is a pathname and the pathname is contained in MODI_EPNAME.
12	(C)	ADDRESS	4	MODI_ENT@	Module's relocated entry point address
12	(C)	CHARACTER	3	MODI_ENT@BYTES0TO2	First bytes of ENT@

Comment

Bit definitions:

End of Comment

15	(F)	CHARACTER	1	MODI_AMODE	"X'80" Routine runs in 31 bit mode
				MODI_AMODE31	"X'80" Routine runs in 31 bit mode
				MODI_ENT@BYTE3	Last byte of ENT@

Comment

Bit definitions:

End of Comment

16	(10)	CHARACTER	4	MODI_AMODE64	"X'01" Routine runs in 64 bit mode
20	(14)	ADDRESS	2	MODI_USE_CT	Value contains the TOTAL MODULE USE COUNT
22	(16)	CHARACTER	1	MODI_ATTR1	First byte of attributes

Comment

Bit definitions:

End of Comment

				MODI_EOM	"X'80" ON=Delete module at memory termination
				MODI_IDENTIFY	"X'40" This entry point was created via IDENTIFY
				MODI_RACDTY	"X'20" ON=Module was loaded by 'dirty' task
				MODI_PLPA	"X'08" ON=The module resides in PLPA
				MODI_GLOBAL	"X'04" ON = Module is loaded to GLOBAL
				MODI_CONTAM	"X'02" ON = Module is contaminated. A module is considered contaminated if it is from an APF authorized library, but was fetched into subpool 251 (it is not reentrant) by a NON authorized caller.
				MODI_USED_BY_RACF	"X'01" For use by external security manager (for RACF: user has execute authority to module)
23	(17)	CHARACTER	1	MODI_SP	Module subpool ID
24	(18)	CHARACTER	1	MODI_ATTR2	Attribute flags

Comment

Bit definitions:

End of Comment

				MODI_NIP	"X'80" This module was loaded by NIP or is a FIXED/MODIFIED LPA module
				MODI_NOT_IN_CORE	"X'40" Module is in process of being LOADED
				MODI_REENT	"X'20" Module is REENTRABLE
				MODI_SER_REUS	"X'10" Module is SERIALLY REUSABLE
				MODI_NON_FUNC	

CSVMODI Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		MODI_MINOR	"X'08" Module is NOT reentrant, and NOT reusable, and has been used once
		.... .1..		MODI_SP251	"X'04" This is a MINOR entry point
		.... ...1		MODI_NOT_LOADABLE_ONLY	"X'02" This module was loaded into subpool 251
25	(19)	CHARACTER	1	MODI_ATTR3	"X'01" Module is NOT LOADABLE-ONLY Third attribute field
Comment					
Bit definitions:					
End of Comment					
		1...		MODI_SP_ZERO	"X'80" Module is in SUBPOOL ZERO
		.... 1...		MODI_ANY_MODE	"X'08" Routine runs in ANY mode
		.... .1..		MODI_OVERLAY	"X'04" Module is in OVERLAY FORMAT
		.... .1..		MODI_AUTH_LIB	"X'02" This module came from an APF authorized library (a library listed in the APF table)
		.... ...1		MODI_AUTH_MOD	"X'01" This module is an authorized module (linked with AC=1)
26	(1A)	CHARACTER	1	MODI_ATTR4	Fourth attribute field
Comment					
Bit definitions:					
End of Comment					
		1...		MODI_PATHNAME	"X'80" This module has an OpenMVS path name. The MODI_8_BYTE_NAME field contains an EBCDIC value indicating this is a pathname, and MODI_EPNAME contains the full path name.
		.1..		MODI_LONGPARMOK	"X'40" Longparm is accepted
		..1.		MODI_SPLIT	"X'20" This is a "split" load module (part above, part below 16M)
		.... 1...		MODI_RTLS	"X'08" Loaded by RTLS
		.... .1..		MODI_DLPA	"X'04" Dynamic LPA
		.... .1..		MODI_PROTP	"X'02" Only whole pages are page-protected, as opposed to the entire module. Or module added by CSVDYLPA BYADDR=YES so page protection state is not known. Only on for dynamic LPA CDE.
27	(1B)	CHARACTER	1		RESERVED
28	(1C)	CHARACTER	8	MODI_XATTR1	Extended attributes
28	(1C)	CHARACTER	1	MODI_XATTR1_BYTE0	
29	(1D)	CHARACTER	1	MODI_XATTR1_BYTE1	
30	(1E)	CHARACTER	1	MODI_XATTR1_BYTE2	
Comment					
Bit definitions:					
End of Comment					
		1...		MODI_XATTR1_BASICPROGRAM	"X'80"
		.1..		MODI_XATTR1_MAINPROGRAM	"X'40"
		..1.		MODI_XATTR1_DIRTYFORMAIN	"X'20"
31	(1F)	CHARACTER	1	MODI_XATTR1_BYTE3	
32	(20)	CHARACTER	1	MODI_XATTR1_BYTE4	
33	(21)	CHARACTER	1	MODI_XATTR1_BYTE5	
34	(22)	CHARACTER	1	MODI_XATTR1_BYTE6	
35	(23)	CHARACTER	1	MODI_XATTR1_BYTE7	
36	(24)	CHARACTER	4		Reserved
40	(28)	CHARACTER	8	MODI_ENT@64	Module's relocated 64-bit EPA
40	(28)	CHARACTER	4	MODI_ENT@64BYTES0TO3	First 4 bytes
44	(2C)	CHARACTER	4	MODI_ENT@64BYTES4TO7	Next 4 bytes
44	(2C)	CHARACTER	1	MODI_ENT@64BYTE4	Byte 4

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
Comment						
Bit definitions:						
End of Comment						
		1... ..		MODI_ENT@64_AMODE31	"X'80" When this is on and MODI_ENT@64_AMODE64 is off, the routine is AMODE 64. When this is off and MODI_ENT@64_AMODE64 is off, the routine is AMODE 24.	
45	(2D)	CHARACTER	2	MODI_ENT@64BYTES5TO6	Bytes 5-6	
47	(2F)	CHARACTER	1	MODI_ENT@64BYTE7	Byte 7	
Comment						
Bit definitions:						
End of Comment						
		.... ..1		MODI_ENT@64_AMODE64	"X'01" When this is on, the the routine is AMODE 64.	
48	(30)	CHARACTER	8	MODI_DSKEY	The data set key. This is used internally to help to identify uniquely the data set from which the module was fetched. The format of the key is not part of the programming interface. A value of 0 indicates that the data set key was not available.	
56	(38)	CHARACTER	12	MODI_PATHTOKEN	The path token. It is valid only when MODI_PATHNAME is on. This field is for IBM use only.	
68	(44)	CHARACTER	2	MODI_DYNLPAPATHNAMELEN	Length of path name for a dynamic LPA module. Valid only when not 0	
70	(46)	SIGNED	2	MODI_DYNLPAPATHNAMEADDR	Address of path name for a dynamic LPA module. Valid only when field MODI_DynlpaPathnameLen is not 0	
72	(48)	ADDRESS	4	MODI_1_LLL	"*-MODI_1"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	MODI_2		
0	(0)	SIGNED	4	MODI_RELOC_FAC_NUM	Number of relocation factors	
4	(4)	SIGNED	4	MODI_MOD_LEN	Length of module	
8	(8)	ADDRESS	4	MODI_LOAD@	Address of where module was loaded	
8	(8)	X'C'	0	MODI_2_LLL	"*-MODI_2"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	MODI_SEGLEN	The first length is located at offset 4 from the beginning of the MODI_2 area	
0	(0)	SIGNED	4	MODI_SEGMENT_LEN	Array of module segment lengths	
0	(0)	X'4'	0	MODI_SEGLEN_LLL	"*-MODI_SEGLEN"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	MODI_SEGADDR	The first address is located at offset 4 plus the length of the area for the lengths (which is 4 * number of relocation factors)	
0	(0)	ADDRESS	4	MODI_SEGMENT_ADDR	Array of module addresses	
0	(0)	X'4'	0	MODI_SEGADDR_LLL	"*-MODI_SEGADDR"	

CSVMODI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MODI64_1	
0	(0)	CHARACTER	8	MODI64_1_HEADER	
0	(0)	SIGNED	4	MODI64_RELOC_FAC_NUM	Number of relocation factors
4	(4)	CHARACTER	4	MODI64_RSVD	Reserved
8	(8)	CHARACTER	16	MODI64_XTLST_ENTRY	Extent list entry
8	(8)	CHARACTER	8	MODI64_XTLST_SEGMENT_ADDR	
8	(8)	CHARACTER	4	MODI64_XTLST_SEGMENT_ADDR_H	
12	(C)	CHARACTER	4	MODI64_XTLST_SEGMENT_ADDR_L	
16	(10)	CHARACTER	8	MODI64_XTLST_SEGMENT_LEN	
16	(10)	CHARACTER	4	MODI64_XTLST_SEGMENT_LEN_H	
20	(14)	CHARACTER	4	MODI64_XTLST_SEGMENT_LEN_L	
20	(14)	X'18'	0	MODI64_1_LLL	""-MODI64_1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MODI_3	
0	(0)	SIGNED	2	MODI_NAME_LEN	Length of the name
2	(2)	BITSTRING	2	MODI_ASID	ASID of address space in which this module was originally loaded. In an OpenMVS forked environment, this may not equal the current child address space ASID.
4	(4)	SIGNED	4	MODI_PROVIDER_ID	Provider Identifier
8	(8)	CHARACTER	16	MODI_PROVIDER_DATA	Provider Data
24	(18)	CHARACTER	8	MODI_EPTOKEN	Entry point token
32	(20)	CHARACTER	1	MODI_EPNAME	Entry point name. The length of the name is in MODI_NAME_LEN. For OpenMVS modules this field contains the full OpenMVS pathname.
32	(20)	X'20'	0	MODI_3_LLL	""-MODI_3"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MODI_4	
0	(0)	SIGNED	2	MODI_LOAD_COUNT	The total number of requests for the module via the LOAD macro
2	(2)	SIGNED	2	MODI_LOAD_SYSCOUNT	The number of system requests for the module via the LOAD macro
2	(2)	X'4'	0	MODI_4_LLL	""-MODI_4"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MODI_5	
0	(0)	CHARACTER	8	MODI_8_BYTE_MAJOR_NAME	The 8 byte major name for a minor entry point

Comment

Eyecatcher for MODI_HEADER

End of Comment

0	(0)	X'D6C4C9'	0	MODI_TEXT	"C'MODI" Eyecatcher
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Comment

Return codes for service module

End of Comment

0	(0)	X'0'	0	MODI_OK	"0" Module processing occurred normally
0	(0)	X'4'	0	MODI_NOINFO	"4" There was no module information to return
0	(0)	X'8'	0	MODI_CALLER	"8" Processing terminated with a nonzero return code from the caller's subroutine
0	(0)	X'C'	0	MODI_LOCKS	"12" Locks needed to process the CSVINFO request could not be obtained
0	(0)	X'10'	0	MODI_INVALID_INPUT	"16" Processing terminated unexpectedly when invalid caller input was encountered
0	(0)	X'14'	0	MODI_NOTAVAIL	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'18'	0	MODI_NOTRETRIEVED	"20" The CSVINFO service routine is not available
					"24" Processing terminated because requested information could not be retrieved from the dump
0	(0)	X'1C'	0	MODI_UNEXPECTED	"28" Processing terminated unexpectedly
0	(0)	X'20'	0	MODI_BELOW430	"32" A system at a level lower than 4.3.0 was trying to use the CSVINFO service
0	(0)	X'24'	0	MODI_BAD_PARMLIST	"36" The CSVINFO parameter list is not valid with the level of CSVINFO service on the system
0	(0)	X'28'	0	MODI_LOOP_LIMIT	"40" The CSVINFO service has exceeded a large threshold value for the number of times the MIPR is invoked on a single call.
0	(0)	X'2C'	0	MODI_INELIGIBLE_RB	"44" The RB supplied via RBADDR as input for FUNC(RB) was not a PRB or SVRB.
0	(0)	X'30'	0	MODI_MIPR_FAILED	"48" The supplied MIPR routine failed.
0	(0)	X'34'	0	MODI_RB_LOOP	"52" The RB supplied via RBADDR as input for FUNC(RB) has resulted in the CSVINFO service exceeding the expected number of iterations through an RB chain.
0	(0)	X'8'	0	MODI_5_LLL	"*-MODI_5"

CSVMODI Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MODI_ABDPL	14		MODI_ENT@64BYTE7		
MODI_AMODE	C	80		2F	
MODI_AMODE31	C	80	MODI_EOM	16	80
MODI_AMODE64	F	1	MODI_EPNAME	20	
MODI_ANY_MODE			MODI_EPTOKEN	18	
	19	8	MODI_EYECATCHER		
MODI_ASID	2			0	
MODI_ATTR1	16		MODI_FLAGS	40	
MODI_ATTR2	18		MODI_GLOBAL	16	4
MODI_ATTR3	19		MODI_HEADER	0	
MODI_ATTR4	1A		MODI_HEADER_LLL		
MODI_AUTH_LIB				48	4C
	19	2	MODI_IDENTIFY		
MODI_AUTH_MOD				16	40
	19	1	MODI_INELIGIBLE_RB		
MODI_BAD_PARMLIST				0	2C
	0	24	MODI_INVALID_INPUT		
MODI_BELOW430				0	10
	0	20	MODI_LOAD_COUNT		
MODI_CALLER	0	8		0	
MODI_CONTAM	16	2	MODI_LOAD_SYSCOUNT		
MODI_DLPA	1A	4		2	
MODI_DSKEY	30		MODI_LOAD@	8	
MODI_DYNLPAPATHNAMEADDR			MODI_LOCKS	0	C
	48		MODI_LONGPARMOK		
MODI_DYNLPAPATHNAMELEN				1A	40
	46		MODI_LOOP_LIMIT		
MODI_ENT@	C			0	28
MODI_ENT@BYTES0TO2			MODI_MINOR	18	4
	C		MODI_MIPR_FAILED		
MODI_ENT@BYTE3				0	30
	F		MODI_MOD_LEN	4	
MODI_ENT@64	28		MODI_NAME_LEN		
MODI_ENT@64_AMODE31				0	
	2C	80	MODI_NIP	18	80
MODI_ENT@64_AMODE64			MODI_NO_MODI_DYNLPAPATHNAME		
	2F	1		40	2
MODI_ENT@64BYTES0TO3			MODI_NO_MODI_EPNAME		
	28			40	8
MODI_ENT@64BYTES4TO7			MODI_NO_MODI_2		
	2C			40	80
MODI_ENT@64BYTES5TO6			MODI_NO_MODI_3		
	2D			40	40
MODI_ENT@64BYTE4			MODI_NO_MODI_4		
	2C			40	20

CSVMODI Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MODI_NO_MODI_5				21	
	40	10	MODI_XATTR1_BYTE6	22	
MODI_NO_MODI64_1			MODI_XATTR1_BYTE7	23	
	40	4	MODI_XATTR1_DIRTYFORMAIN	1E	20
MODI_NOINFO	0	4	MODI_XATTR1_MAINPROGRAM	1E	40
MODI_NON_FUNC	18	8	MODI_1	0	
MODI_NOT_IN_CORE	18	40	MODI_1_LEN	1C	
MODI_NOT_LOADABLE_ONLY	18	1	MODI_1_LLL	48	4C
MODI_NOTAVAIL			MODI_1_PTR	18	
	0	14	MODI_2	0	
MODI_NOTRETRIEVED	0	18	MODI_2_LEN	24	
MODI_OK	0	0	MODI_2_LLL	8	C
MODI_OVERLAY	19	4	MODI_2_PTR	20	
MODI_PATHNAME	1A	80	MODI_3	0	
MODI_PATHTOKEN			MODI_3_LEN	2C	
	38		MODI_3_LLL	20	20
MODI_PLPA	16	8	MODI_3_PTR	28	
MODI_PROTP	1A	2	MODI_4	0	
MODI_PROVIDER_DATA			MODI_4_LEN	34	
	8		MODI_4_LLL	2	4
MODI_PROVIDER_ID			MODI_4_PTR	30	
	4		MODI_5	0	
MODI_RACDTY	16	20	MODI_5_LEN	3C	
MODI_RB_LOOP	0	34	MODI_5_LLL	0	8
MODI_RB@	0		MODI_5_PTR	38	
MODI_REENT	18	20	MODI_8_BYTE_MAJOR_NAME	0	
MODI_RELOC_FAC_NUM			MODI_8_BYTE_NAME	4	
	0		MODI64_RELOC_FAC_NUM	0	
MODI_RTLS	1A	8	MODI64_RSVD	4	
MODI_SECTIONS			MODI64_XTLST_ENTRY	8	
	18		MODI64_XTLST_SEGMENT_ADDR	8	
MODI_SEGADDR	0		MODI64_XTLST_SEGMENT_ADDR_H	8	
MODI_SEGADDR_LLL			MODI64_XTLST_SEGMENT_ADDR_L	C	
	0	4	MODI64_XTLST_SEGMENT_LEN	10	
MODI_SEGLEN	0		MODI64_XTLST_SEGMENT_LEN_H	10	
MODI_SEGLEN_LLL			MODI64_XTLST_SEGMENT_LEN_L	14	
	0	4	MODI64_1	0	
MODI_SEGMENT_ADDR	0		MODI64_1_HEADER	0	
MODI_SEGMENT_LEN	0		MODI64_1_LEN	48	
MODI_SER_REUS			MODI64_1_LLL	14	18
	18	10	MODI64_1_PTR	44	
MODI_SP	17				
MODI_SP_ZERO	19	80			
MODI_SPLIT	1A	20			
MODI_SP251	18	2			
MODI_TEXT	0	D6C4C9			
MODI_UNEXPECTED	0	1C			
MODI_USE_CT	14				
MODI_USED_BY_RACF	16	1			
MODI_USERDATA					
	4				
MODI_XATTR1	1C				
MODI_XATTR1_BASICPROGRAM	1E	80			
MODI_XATTR1_BYTE0					
	1C				
MODI_XATTR1_BYTE1					
	1D				
MODI_XATTR1_BYTE2					
	1E				
MODI_XATTR1_BYTE3					
	1F				
MODI_XATTR1_BYTE4					
	20				
MODI_XATTR1_BYTE5					

CSVRTAA Information

CSVRTAA Programming Interface information

Programming Interface information

CSVRTAA

End of Programming Interface information

CSVRTAA Heading Information • CSVRTAA Map

CSVRTAA Heading Information

Common Name: RTLS Answer Area
Macro ID: CSVRTAA
DSECT Name: RTAAHDR RTAAPH RTAADS RTAAMO RTAALO RTAALPH RTAALU RTAAPL RTLSXTL RTLSXTLE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: Variable
 RTAAHDR -- X'0038' bytes
 RTAAPH -- X'0048' bytes
 RTAADS -- X'0038' bytes
 RTAAMO -- X'0024' bytes
 RTAALO -- X'0050' bytes
 RTAALPH -- X'0014' bytes
 RTAALU -- X'0010' bytes
 RTAAPL -- X'001C' bytes
 RTLSXTL -- X'0088' bytes
 RTLSXTLE -- X'0008' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on CSVRTLS LIST
Pointed to by: CSVRTLS parameter list
Serialization: None required
Function: Maps the data returned by the CSVRTLS macro, LIST request.

The returned information consists of a header (RTAAHDR) which indicates how many physical entries (RTAAPH) and logical entries (RTAALO) follow.

RTAAHFIRSTPHADDR is a pointer to the first RTAAPH, and each RTAAPH points to the next (RTAAPHNEXTADDR). The count provided in header field RTAAHNumPH should be used to determine the number of exit entries to examine.

Each RTAAPH indicates how many data set entries (RTAADS), module entries (RTAAMO), and logical entries (RTAAPL) are associated with it. RTAAPHFIRSTDSADDR is a pointer to the first RTAADS, and each RTAADS points to the next (RTAADSNEXTADDR). The count provided in RTAAPHNumDS should be used to determine the number of data set entries to examine. RTAAPHFIRSTMOADDR is a pointer to the first RTAAMO, and each RTAAMO points to the next (RTAAMONEXTADDR). The count provided in RTAAPHNumMO should be used to determine the number of module entries to examine. RTAAPHFIRSTPLADDR is a pointer to the first RTAAPL, and each RTAAPL points to the next (RTAAPLNEXTADDR). The count provided in RTAAPHNumPL should be used to determine the number of module entries to examine.

Each RTAALO indicates how many physical entries (RTAALPH), module entries (RTAAMO), and user entries (RTAALU) are associated with it. RTAALOFIRSTLPHADDR is a pointer to the first RTAALPH, and each RTAALPH points to the next (RTAALPHNEXTADDR). The count provided in RTAALONumLPH should be used to determine the number of LPH entries to examine. RTAALOFIRSTMOADDR is a pointer to the first RTAAMO, and each RTAAMO points to the next (RTAAMONEXTADDR). The count provided in RTAALONumMO should be used to determine the number of module entries to examine. RTAALOFIRSTLUADDR is a pointer to the first RTAALU, and each RTAALU points to the next (RTAALUNEXTADDR). The count provided in RTAALONumLU should be used to determine the number of user entries to examine.

RTLSXTL maps the extent list returned by the outXTLST parameter of the CSVRTLS REQUEST=LOAD function. RTLSXTLE maps an entry within that extent list

CSVRTAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAAHDR	Header section
0	(0)	SIGNED	4	RTAAHNUMPH	Number of RTAAPH entries which follow
4	(4)	SIGNED	4	RTAAHNUMLO	Number of RTAALO entries which follow
8	(8)	SIGNED	4	RTAAHNUMPHREM	Number of RTAAPH entries which were not returned because of insufficient space
12	(C)	SIGNED	4	RTAAHNUMLOREM	Number of RTAALO entries which were not returned because of insufficient space
16	(10)	SIGNED	4	RTAAHTLEN	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.
20	(14)	ADDRESS	4	RTAAHFIRSTPHADDR	Address of first RTAAPH
24	(18)	ADDRESS	4	RTAAHFIRSTLOADDR	Address of first RTAALO
28	(1C)	SIGNED	4	RTAAHMAXBELOW	Limitation (in bytes) of below-16M common for modules
32	(20)	SIGNED	4	RTAAHBELOWUSED	Number of bytes used of below-16M common for modules

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	SIGNED	4	RTAAHMAXABOVE	Limitation (in bytes) of above-16M common for modules. 0 indicates that there is no limit
40	(28)	SIGNED	4	RTAAHABOVEUSED	Number of bytes used of below-16M common for modules
44	(2C)	BITSTRING	1	RTAAHFLAGS	Flags

Comment

Bit definitions:

End of Comment

		1...		RTAAHNOABOVE16M	"X'80" An attempt was made to get storage above-16M. The system was unable to comply and the storage was obtained below 16M. No subsequent caching of modules will be done.
		.1..		RTAAHCACHEBELOWISFULL	"X'40"
		..1.		RTAAHCACHEABOVEISFULL	"X'20"
45	(2D)	CHARACTER	3		Reserved
48	(30)	SIGNED	4	RTAAHFULLCACHELIMIT	Limit of number of times the RTLS cache could not meet the needs for the module being loaded before the cache is actually marked as being full.
52	(34)	SIGNED	4	RTAAHFULLCACHECOUNT	Number of times that the RTLS cache limit could not meet the needs for the module being loaded.

Comment

Return Code Information It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.

End of Comment

52	(34)	BITSTRING	0	CSVRTLRSRNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
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Comment

CSVRTLS Return and Reason Code definitions

End of Comment

			CSVRTLSRC_OK	"X'00000000" Meaning: CSVRTLS request successful. Action: None required.
		.... .1..		CSVRTLSRC_WARN	"X'00000004" Meaning: Warning Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLRSRNLISTNOMATCHES	"X'00000401" Meaning: For LIST request, no matching logical and/or physical libraries matches the request. Action: Make sure that you specified the proper library name.
52	(34)	BITSTRING	0	CSVRTLRSRNALIASSEEXIST	"X'00000402" Meaning: For DISCONNECT request, there are outstanding alias entries to modules loaded for this library. An ATTACH(X), LINK(X), or XCTL(X) was issued using the name of a module loaded by RTLS for this library. Action: Avoid using DISCONNECT when there are such alias entries. If you cancel the jobstep, the system will perform the cleanup and disconnect on your behalf.
52	(34)	BITSTRING	0	CSVRTLRSRNNOTALLDATARETURNED	"X'00000403" Meaning: For LIST request, not all data was returned because the answer area is not big enough. Answer area field RTAAHTLEN indicates how much space is currently required. Action: Allocate a larger area and request the function again.
		.... 1...		CSVRTLSRC_INVPARM	"X'00000008" Meaning: CSVRTLS request specifies invalid parameters. Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLRSRNBADPARMLIST	"X'00000801" Meaning: Unable to access parameter list. Action: Check for possible storage overlay.
52	(34)	BITSTRING	0	CSVRTLRSRNNOTAUTHORIZED	

CSVRTAA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"X'00000804" Meaning: For CONNECT or LOAD - not authorized. For CONNECT, the customer has requested that security checking be done. You do not have read access to RACF FACILITY class resource CSVRTL.S.LIBRARY.library.version. For LOAD, the customer has restricted access to the program that you are attempting to access. You do not have access to that program. Action: Request this function only when you have the proper authority. For LOAD, refer to the documentation for completion code 306 reason code 30 in the system codes publication, and the documentation for message CSV205I in the system messages publication, for further information. While the completion code and message are not produced, the information pertaining to them does apply to this situation.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADANSAREALET	"X'00000806" Meaning: Bad answer area ALET. Action: Make sure that the ALET associated with the answer area is valid. The access register might not have been set up correctly.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADANSAREA	"X'00000807" Meaning: Error accessing answer area. Action: Make sure that the provided answer area is valid.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADANSLEN	"X'00000808" Meaning: LIST - AnsLen is less than size of the header area. Action: Provide a larger answer area (as indicated by the ANSLEN keyword).
52	(34)	BITSTRING	0	CSVRTL.SRSNBADREQUESTTYPE	"X'00000809" Meaning: Request type is not valid. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADESTAEX	"X'0000080A" Meaning: Unable to establish ESTAEX. "xxxx" contains ESTAE(X) return code. Action: Refer to documentation for ESTAEX return code "xxxx".
52	(34)	BITSTRING	0	CSVRTL.SRSNRESERVEDNOT0	"X'0000080B" Meaning: Reserved field not 0. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADOUTXTLSTALET	"X'0000080C" Meaning: Bad Outxtlst ALET. Action: Make sure that the ALET of the OUTXTLST area is valid. The access register might not have been set up correctly.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADPARMLISTALET	"X'0000080D" Meaning: Bad parmlist ALET. Action: Make sure that the ALET of the parameter list is valid. The access register might not have been set up correctly.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADVERSION	"X'0000080E" Meaning: Bad version number. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTL.SRSNLIBRARYNOTFOUND	"X'00000810" Meaning: For CONNECT or LIST request, the requested library is not defined to RTLS. Action: Make sure that you specified the correct library name.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADLISTTYPE	"X'00000811" Meaning: For LIST, the ListType value is incorrect. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADCONTOKEN	"X'0000082C" Meaning: For LOAD, DELETE, or DISCONNECT the input contoken does not represent a valid connection. Action: Make sure that you specified the connect token that was returned by the CONNECT request.
52	(34)	BITSTRING	0	CSVRTL.SRSNMODULENOTLOADED	"X'0000082D" Meaning: For LOAD, the module could not be loaded. A valid copy of the module was not located within the logical library represented by the connect token. If you are authorized, the only copy might have been within an unauthorized library. There might not have been enough storage available to satisfy the request to load the module. Action: Make sure that you specified the correct connect token and correct module name. If you are authorized, make sure that the library containing the module is authorized. When the field designated by the OUTEPA parameter is non-zero, it contains additional diagnostic information. That information is in the format 000ccrr where ccc represents a system completion code, and rr the reason code associated with that completion code. See the system codes publication, for further information.
52	(34)	BITSTRING	0	CSVRTL.SRSNMODADDRNOTVALID	"X'0000082E" Meaning: For DELETE, the provided address does not represent a module previously loaded by the LOAD request. Action: Make sure that you specified the correct connect token and correct module address.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADTCBADDR	"X'0000082F" Meaning: The provided TCBADDR parameter does not specify a task that either is the current task or an ancestor task. The oldest task allowed is the connecting task. Alternately, the caller was not authorized. Action: Make sure that you specified the correct TCBADDR and that you are authorized.
52	(34)	BITSTRING	0	CSVRTL.SRSNBADTASK	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	BITSTRING	0	CSVRTLRSRNBADOUTXTLST	"X'00000830" Meaning: The task issuing a LOAD or DELETE request is neither the connecting task nor a subtask of that task. The task issuing a DISCONNECT request is not the connecting task. Action: Make sure that you use the LOAD, DELETE, and DISCONNECT requests only from a proper task.
52	(34)	BITSTRING	0	CSVRTLRSRNBADOUTXTLSTCONTENTS	"X'00000831" Meaning: Unable to access the OutXtlst area. Action: Check that you provided a valid area.
		.... 11..		CSVRTLRSRC_ENV	"X'00000832" Meaning: The RtlXtlNumEntriesProvided field had an incorrect value. Action: Fill in the RtlXtlNumEntriesProvided area using equate symbol RtlXtlMaxNumEntries prior to invoking the macro.
52	(34)	BITSTRING	0	CSVRTLRSRNNOSTORAGE	"X'0000000C" Meaning: Environmental error Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLRSRNTOOMANYCONNECTIONS	"X'00000C01" Meaning: No storage is available to complete the request. Action: Contact your system programmer. There might be a common storage shortage.
52	(34)	BITSTRING	0	CSVRTLRSRNLOADDELETEINPROCESS	"X'00000C02" Meaning: The limit of 32 connections from an address space by unauthorized callers been reached. Action: Restructure your program so that it requests fewer connections.
52	(34)	BITSTRING	0	CSVRTLRSRNTASKINRTLS	"X'00000C03" Meaning: For the disconnect request, at least one load or delete request is still in process. Action: Avoid requesting a disconnect when there are loads or delete requests still being done. If the load or delete is being done from a subtask, your program could wait for that subtask to complete before issuing the disconnect request.
52	(34)	BITSTRING	0	CSVRTLRSRNOTAVAILABLE	"X'00000C04" Meaning: The issuing task is currently processing an RTLS request. Another request during this time is not allowed. Action: Avoid issuing an RTLS request from a program running as an interrupt request block (IRB) when the interrupted program is processing an RTLS request. Bit STCBINRT in the STCB data area will be on if the interrupted program is in this state.
52	(34)	BITSTRING	0	CSVRTLRSRC_COMPERROR	"X'00000CFF" Meaning: CSVRTLS has been withdrawn as of z/OS 1.12. Action: Change your program not to use CSVRTLS.
52	(34)	BITSTRING	0	CSVRTLRSRNCOMPERROR	"X'00000010" Meaning: Unexpected failure. Action: Refer to action provided with the reason code.
52	(34)	X'38'	0	RTAAHDR_LEN	"X'00001001" Meaning: Unexpected failure. The state of the request is unpredictable. Action: Contact your system programmer. "-RTAAHDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAAPH	RTAAPH Record data format
0	(0)	ADDRESS	4	RTAAPHNEXTADDR	Address of next RTAAPH. RTAAHNumPH must be used to determine how far along this chain to go.
4	(4)	ADDRESS	4	RTAAPHFIRSTDSADDR	Address of first RTAADS for this RTAAPH
8	(8)	ADDRESS	4	RTAAPHFIRSTMOADDR	Address of first RTAAMO for this RTAAPH
12	(C)	ADDRESS	4	RTAAPHFIRSTPLADDR	Address of first RTAAPL for this RTAAPH
16	(10)	CHARACTER	8	RTAAPHNAME	Name of physical data set
24	(18)	SIGNED	4	RTAAPHSEQNUM	Sequence number
28	(1C)	ADDRESS	4	RTAAPHDCBADDR	This is the address of the DCB, in common storage, associated with the physical library.
28	(1C)	ADDRESS	4	RTAAPHDCB@	This is the address of the DCB, in common storage, associated with the physical library.
32	(20)	SIGNED	4	RTAAPHNUMDS	Number of RTAADS entries associated with this physical data set
36	(24)	SIGNED	4	RTAAPHNUMMO	Number of RTAAMO entries associated with this physical data set
40	(28)	SIGNED	4	RTAAPHNUMPL	Number of RTAAPL entries associated with this physical data set
44	(2C)	BITSTRING	1	RTAAPHFLAGS	Flags

CSVRTAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Bit definitions:					
End of Comment					
		1... ..		RTAAPHDELETEPENDING	"X'80"
		.1.. ..		RTAAPHCACHEBELOWISFULL	"X'40"
		..1.		RTAAPHCACHEABOVEISFULL	"X'20"
45	(2D)	CHARACTER	3		Reserved
48	(30)	SIGNED	4	RTAAPHMAXBELOW	Limitation (in bytes) of below-16M common for modules
52	(34)	SIGNED	4	RTAAPHBELOWUSED	Number of bytes used of below-16M common for modules
56	(38)	SIGNED	4	RTAAPHMAXABOVE	Limitation (in bytes) of above-16M common for modules. 0 indicates that there is no limit
60	(3C)	SIGNED	4	RTAAPHABOVEUSED	Number of bytes used of below-16M common for modules
64	(40)	SIGNED	4	RTAAPHFULLCACHELIMIT	Limit of number of times the physical library cache limit could not meet the needs for the module being loaded, before the cache is actually marked as being full.
68	(44)	SIGNED	4	RTAAPHFULLCACHECOUNT	Number of times that the physical library cache limit could not meet the needs for the module being loaded.
68	(44)	X'48'	0	RTAAPH_LEN	""-RTAAPH"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAADS	RTAADS Record data format
0	(0)	ADDRESS	4	RTAADSNEXTADDR	Address of next RTAADS. RTAAPHNumDS must be used to determine how far along this chain to go.
4	(4)	CHARACTER	2		UNUSED
6	(6)	CHARACTER	6	RTAADSVOLSER	Volume ID. Represents status as of last allocation
12	(C)	CHARACTER	44	RTAADSNAME	Data set name.
12	(C)	X'38'	0	RTAADS_LEN	""-RTAADS"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAAMO	RTAAMO Record data format
0	(0)	ADDRESS	4	RTAAMONEXTADDR	Address of next RTAAMO. RTAAPHNumMO must be used to determine how far along this chain to go.
4	(4)	BITSTRING	1	RTAAMOFLLAGS	Flags

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Bit definitions:					
End of Comment					
		1... ..		RTAAMOPRELOADREQUESTED	"X'80"
		.1.. ..		RTAAMOPRELOADSUCCEESSFUL	"X'40"
5	(5)	CHARACTER	3		UNUSED
8	(8)	ADDRESS	4	RTAAMOEPADDR	Entry-point address
12	(C)	ADDRESS	4	RTAAMOLOADPTADDR1	Load point
16	(10)	SIGNED	4	RTAAMOLENGTH1	Length
20	(14)	ADDRESS	4	RTAAMOLOADPTADDR2	Load point 2 (may be 0)
24	(18)	SIGNED	4	RTAAMOLENGTH2	Length (may be 0)
28	(1C)	CHARACTER	8	RTAAMONAME	Module name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	X'24'	0	RTAAMO_LEN	""-RTAAMO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAALO	RTAALO Record data format
0	(0)	ADDRESS	4	RTAALONEXTADDR	Address of next RTAALO. RTAAHNumLO must be used to determine how far along this chain to go.
4	(4)	ADDRESS	4	RTAALOFIRSTLPHADDR	Address of first RTAALPH for this RTAALO
8	(8)	ADDRESS	4	RTAALOFIRSTMOADDR	Address of first RTAAMO for this RTAALO
12	(C)	ADDRESS	4	RTAALOFIRSTLUADDR	Address of first RTAALU for this RTAALO
16	(10)	CHARACTER	8	RTAALONAME	Name of logical data set
24	(18)	CHARACTER	8	RTAALOVERSION	Version name
32	(20)	SIGNED	4	RTAALOSEQNUM	Sequence number
36	(24)	CHARACTER	4		UNUSED
40	(28)	SIGNED	4	RTAALONUMLPH	Number of RTAALPH entries associated with this logical data set
44	(2C)	SIGNED	4	RTAALONUMMO	Number of RTAAMO entries associated with this logical data set
48	(30)	SIGNED	4	RTAALONUMLU	Number of RTAALU entries associated with this logical data set
52	(34)	BITSTRING	1	RTAALOFLAGS	Flags

Comment

Bit definitions:

End of Comment

		1...		RTAALODELETEPENDING	"X'80"
		.1..		RTAALODEFAULT	"X'40"
53	(35)	BITSTRING	1	RTAALOSECCHECK	See equates beginning with RtaaloSecCheck for values
54	(36)	SIGNED	2	RTAALOLIBRARYID	This is the internal ID that identifies the logical library
56	(38)	CHARACTER	8		Reserved
64	(40)	SIGNED	4	RTAALONUMREQUESTS	Number of times that the logical library was used successfully to load a module. This is the total of the following two fields plus those cases where neither the cache nor LLeJPQ was used
68	(44)	SIGNED	4	RTAALONUMREQUESTSFROMCACHE	Number of times that the logical library cache was used to load a module.
72	(48)	SIGNED	4	RTAALONUMREQUESTSFROMCSV	Number of times that the contents supervisor blocks were used to locate a previously fetched copy of the module (hence avoiding a new fetch)
76	(4C)	SIGNED	4	RTAALONUMREQUESTSFROMLLA	Number of times that the LLA located the copy to use
76	(4C)	X'1'	0	RTAALOSECCHECKYES	"1"
76	(4C)	X'2'	0	RTAALOSECCHECKNO	"2"
76	(4C)	X'50'	0	RTAALO_LEN	""-RTAALO"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAALPH	RTAALPH Record data format
0	(0)	ADDRESS	4	RTAALPHNEXTADDR	Address of next RTAALPH. RTAALONumLPH must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	RTAALPHNAME	Physical data set name
12	(C)	SIGNED	4	RTAALPHSEQNUM	Sequence number
16	(10)	CHARACTER	4		Reserved
16	(10)	X'14'	0	RTAALPH_LEN	""-RTAALPH"

CSVRTAA Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAALU	RTAALU Record data format
0	(0)	ADDRESS	4	RTAALUNEXTADDR	Address of next RTAALU. RTAALONumLU must be used to determine how far along this chain to go.
4	(4)	SIGNED	2	RTAALUASID	ASID
6	(6)	CHARACTER	2		Unused
8	(8)	CHARACTER	8	RTAALUJOBNAME	Jobname
8	(8)	X'10'	0	RTAALU_LEN	""-RTAALU"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTAAPL	RTAAPL Record data format
0	(0)	ADDRESS	4	RTAAPLNEXTADDR	Address of next RTAAPL. RTAAPHNumPL must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	RTAAPLNAME	Logical name
12	(C)	CHARACTER	8	RTAAPLVERSION	Version
20	(14)	SIGNED	4	RTAAPLSEQNUM	Sequence number
24	(18)	CHARACTER	4		Reserved
24	(18)	X'1C'	0	RTAAPL_LEN	""-RTAAPL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTLSXTL	Extent-list format
0	(0)	SIGNED	4	RTLSXTLNUMENTRIESPROVIDED	This should be initialized to RtlSxtlMaxNumEntries (16) prior to calling CSVRTLST REQUEST=LOAD.
4	(4)	SIGNED	4	RTLSXTLNUMENTRIES	The number of entries that follow.
8	(8)	CHARACTER	128	RTLSXTLENTRIES	Entries area. Entries are contiguous. Each is mapped by RTLSXTLE
8	(8)	X'10'	0	RTLSXTLMAXNUMENTRIES	"16"
8	(8)	X'88'	0	RTLSXTL_LEN	""-RTLSXTL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RTLSXTLE	Extent-list entry format
0	(0)	ADDRESS	4	RTLSXTLELOADPTADDR	Segment load point address
4	(4)	SIGNED	4	RTLSXTLELENGTH	Segment length
4	(4)	X'8'	0	RTLSXTLE_LEN	""-RTLSXTLE"

CSVRTAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSVRTLSTSRC_COMPERROR	34	10	CSVRTLSTSRSNBADCONTOKEN	34	82C
CSVRTLSTSRC_ENV	34	C	CSVRTLSTSRSNBADESTAEX	34	80A
CSVRTLSTSRC_INVPARM	34	8	CSVRTLSTSRSNBADLISTTYPE	34	811
CSVRTLSTSRC_OK	34	0	CSVRTLSTSRSNBADOUTXTLST	34	831
CSVRTLSTSRC_WARN	34	4	CSVRTLSTSRSNBADOUTXTLSTALET	34	80C
CSVRTLSTSRSNALIASESEXIST	34	402	CSVRTLSTSRSNBADOUTXTLSTCONTENTS	34	832
CSVRTLSTSRSNBADANSAREA	34	807	CSVRTLSTSRSNBADPARMLIST	34	801
CSVRTLSTSRSNBADANSAREALET	34	806	CSVRTLSTSRSNBADPARMLISTALET	34	80D
CSVRTLSTSRSNBADANSLEN	34	808	CSVRTLSTSRSNBADREQUESTTYPE		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSVRTLRSRNBADTASK	34	809	RTAALO_LEN	4C	50
	34	830	RTAALODEFAULT		
CSVRTLRSRNBADTCBADDR	34	82F		34	40
	34	80E	RTAALODELETEPENDING	34	80
CSVRTLRSRNBADVERSION	34	FFF	RTAALOFIRSTLPHADDR	4	
	34	1001	RTAALOFIRSTLUADDR	C	
CSVRTLRSRNSNCOMPERROR	34	810	RTAALOFIRSTMOADDR	8	
	34	401	RTAALOFFLAGS	34	
CSVRTLRSRNSNLIBRARYNOTFOUND	34	82E	RTAALOLIBRARYID	36	
	34	82D	RTAALONAME	10	
CSVRTLRSRNSNLISTNOMATCHES	34	C03	RTAALONEXTADDR	0	
	34	C01	RTAALONUMLPH	28	
CSVRTLRSRNSNLOADDELETEINPROCESS	34	80B	RTAALONUMLU	30	
	34	C04	RTAALONUMMO	2C	
CSVRTLRSRNSNMODADDRNOTVALID	34	80A	RTAALONUMREQUESTS	40	
	34	403	RTAALONUMREQUESTSFROMCACHE	44	
CSVRTLRSRNSNMODULENOTLOADED	34	CFF	RTAALONUMREQUESTSFROMCSV	48	
	34	C02	RTAALONUMREQUESTSFROMLLA	4C	
CSVRTLRSRNSNNOAUTHORIZED	34	80B	RTAALOSECCHECK	35	
	34	C03	RTAALOSECCHECKNO	4C	2
CSVRTLRSRNSNNOTALLDATARETURNED	34	804	RTAALOSECCHECKYES	4C	1
	34	C04	RTAALOSEQNUM	20	
CSVRTLRSRNSNNOTAVAILABLE	34	804	RTAALOVERSION	18	
	34	CFF	RTAALPH	0	
CSVRTLRSRNSNRESERVEDNOTO	34	80B	RTAALPH_LEN	10	14
	34	C04	RTAALPHNAME	4	
CSVRTLRSRNSNTASKINRTLS	34	C02	RTAALPHNEXTADDR	0	
	34	C02	RTAALPHSEQNUM	C	
RTAADS	0	38	RTAALU	0	
RTAADS_LEN	C		RTAALU_LEN	8	10
RTAADSNAME	C		RTAALUASID	4	
RTAADSNEXTADDR	0		RTAALUJOBNAME	8	
	6		RTAALUNEXTADDR	0	
RTAADSVOLSER	28		RTAAMO	0	
RTAAHABOVEUSED	20		RTAAMO_LEN	1C	24
	2C	20	RTAAMOEPADDR	8	
RTAAHBELOWUSED	2C	40	RTAAMOFLAGS	4	
	0		RTAAMOLENGTH1	10	
RTAAHCACHEABOVEISFULL	2C	20	RTAAMOLENGTH2	18	
	2C	40	RTAAMOLOADPTADDR1	C	
RTAAHCACHEBELOWISFULL	2C	40	RTAAMOLOADPTADDR2	14	
	0		RTAAMONAME	1C	
RTAAHDR	34	38	RTAAMONEXTADDR	0	
RTAAHDR_LEN	18		RTAAMOPRELOADREQUESTED	4	80
RTAAHFIRSTLOADDR	14		RTAAMOPRELOADSUCCESSFUL	4	40
	2C		RTAAPH	0	
RTAAHFIRSTPHADDR	34		RTAAPH_LEN	44	48
	14		RTAAPHABOVEUSED	3C	
RTAAHFLAGS	2C				
RTAAHFULLCACHECOUNT	34				
	34				
RTAAHFULLCACHELIMIT	30				
	24				
RTAAHMAXABOVE	1C				
	2C	80			
RTAAHMAXBELOW	4				
	C				
RTAAHNOABOVE16M	0				
	8				
RTAAHNUMLO	10				
RTAAHNUMLOREM	0				
	8				
RTAAHNUMPH	10				
RTAAHNUMPHREM	0				
	8				
RTAAHTLEN	10				
RTAALO	0				

CSVRTAA Cross Reference

Name	Hex Offset	Hex Value
RTAAPHBELOWUSED	34	
RTAAPHCACHEABOVEISFULL	2C	20
RTAAPHCACHEBELOWISFULL	2C	40
RTAAPHDCB@	1C	
RTAAPHDCBADDR	1C	
RTAAPHDELETEPENDING	2C	80
RTAAPHFIRSTDSADDR	4	
RTAAPHFIRSTMOADDR	8	
RTAAPHFIRSTPLADDR	C	
RTAAPHFLAGS	2C	
RTAAPHFULLCACHECOUNT	44	
RTAAPHFULLCACHELIMIT	40	
RTAAPHMAXABOVE	38	
RTAAPHMAXBELOW	30	
RTAAPHNAME	10	
RTAAPHNEXTADDR	0	
RTAAPHNUMDS	20	
RTAAPHNUMMO	24	
RTAAPHNUMPL	28	
RTAAPHSEQNUM	18	
RTAAPL	0	
RTAAPL_LEN	18	1C
RTAAPLNAME	4	
RTAAPLNEXTADDR	0	
RTAAPLSEQNUM	14	
RTAAPLVERSION	C	
RTLSXTL	0	
RTLSXTL_LEN	8	88
RTLSXTLE	0	
RTLSXTLE_LEN	4	8
RTLSXTLELENGTH	4	
RTLSXTLELOADPTADDR	0	
RTLSXTLENTRIES	8	
RTLSXTLMAXNUMENTRIES	8	10
RTLSXTLNUMENTRIES	4	
RTLSXTLNUMENTRIESPROVIDED	0	

CSVTTTEST Information

CSVTTTEST Programming Interface Information

Programming Interface Information

CSVTTTEST

End of Programming Interface Information

CSVTTTEST Heading Information • CSVTTTEST Cross Reference

CSVTTTEST Heading Information

Common Name: Contents Supervisor TSO Test Interface
Macro ID: CSVTTTEST
DSECT Name: CSTT
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: CSTT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 205
 Key: 0
Size:
Created by: CSVGETMD CSVSBRTN
Pointed to by: Register 1
Serialization: None
Function: The CSTT maps information passed across the SVC 61 (TSO Test) interface.

CSVTTTEST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CSTT	, mapping of interface with TSO TEST used across SVC(61)
0	(0)	CHARACTER	4	CSTT_EYECATCHER	= 'CSTT'
4	(4)	SIGNED	1	CSTT_LEVEL	Level number
5	(5)	BITSTRING	3	CSTT_FLAGS (0)	Three bytes of flags
5	(5)	BITSTRING	1	CSTT_FLAG1 (0)	Flag byte
		1...		CSTT_DELETE	"X'80" =1 a DELETE is in process
		.1..		CSTT_FETCH	"X'40" =1 a FETCH is in process
		..1.		CSTT_PDS	"X'20" =1 PDS is in use
		...1		CSTT_PDSE	"X'10" =1 PDSE is in use
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	4	CSTT_DE@	Pointer to the PDS2 directory entry
12	(C)	ADDRESS	4	CSTT_CDE@	Pointer to the CDE
16	(10)	ADDRESS	4	CSTT_DCB@	Pointer to the DCB
20	(14)	CHARACTER	8	CSTT_NAME	Name of entry being deleted
28	(1C)	ADDRESS	4	CSTT_EPA@	Address of entry being deleted
28	(1C)	X'1'	0	CSTTLNUM	"1" Level number of the CSTT
28	(1C)	X'E2E3E3'	0	CSTTTEXT	"C'CSVTTTEST" Value for CSTTID.
28	(1C)	X'20'	0	CSTT_LEN	**"-CSTT"

CSVTTTEST Cross Reference

Name	Hex Offset	Hex Value
CSTT	0	
CSTT_CDE@	C	
CSTT_DCB@	10	
CSTT_DE@	8	
CSTT_DELETE	5	80
CSTT_EPA@	1C	
CSTT_EYECATCHER	0	
CSTT_FETCH	5	40
CSTT_FLAGS	5	
CSTT_FLAG1	5	
CSTT_LEN	1C	20
CSTT_LEVEL	4	
CSTT_NAME	14	
CSTT_PDS	5	20
CSTT_PDSE	5	10
CSTTLNUM	1C	1
CSTTTEXT	1C	E2E3E3

CSVXMENV Information

CSVXMENV Programming Interface information

Programming Interface information

CSVXMENV

End of Programming Interface information

CSVXMENV Heading Information • CSVXMENV Cross Reference

CSVXMENV Heading Information

Common Name: Mapping of XMENV parameter for SYNCHX
Macro ID: CSVXMENV
DSECT Name: XMENV XMENV1
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: None
Storage Attributes: Subpool: caller-provided
 Key: caller-provided
 Residency: caller-provided
Size: XMENV -- X'000A' bytes
 XMENV1 -- X'0014' bytes
Created by: Created by caller, passed via XMENV=xxx on SYNCHX
Pointed to by: n/a
Serialization: n/a
Function: This maps the XMENV parameter information.
 DSECT XMENV maps the basic XMENV information. Use this when not providing the extended information.

DSECT XMENV1 maps the extended XMENV information. Use this when providing the extended information.

CSVXMENV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XMENV	
0	(0)	SIGNED	2	XMENVLEN	Length of XMENV structure
2	(2)	SIGNED	2	XMENVPKM	PKM value to produce the PKM for the target routine
4	(4)	SIGNED	2	XMENV\$ASN	SASN value defining the target routine secondary ASN
6	(6)	SIGNED	2	XMENV\$EAX	EAX value defining the target routine EAX
8	(8)	SIGNED	2	XMENV\$PASN	PASN value defining the target routine primary ASN
8	(8)	X'A'	0	XMENV_LEN	"*-XMENV"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XMENV1	
0	(0)	SIGNED	2	XMENV1LEN	Length of XMENV1 structure
2	(2)	SIGNED	2	XMENV1PKM	PKM value to produce the PKM for the target routine
4	(4)	SIGNED	2	XMENV1\$ASN	SASN value defining the target routine secondary ASN
6	(6)	SIGNED	2	XMENV1\$EAX	EAX value defining the target routine EAX
8	(8)	SIGNED	2	XMENV1\$PASN	PASN value defining the target routine primary ASN
10	(A)	CHARACTER	2		Reserved
12	(C)	SIGNED	4	XMENV1\$PASTEIN	
					Primary ASTE instance number
16	(10)	SIGNED	4	XMENV1\$SASTEIN	
					Secondary ASTE instance number
16	(10)	X'14'	0	XMENV1_LEN	"*-XMENV1"

CSVXMENV Cross Reference

Name	Hex Offset	Hex Value
XMENV	0	
XMENV_LEN	8	A
XMENV\$EAX	6	
XMENVLEN	0	
XMENV\$PASN	8	
XMENV\$PKM	2	
XMENV\$SASN	4	
XMENV1	0	
XMENV1_LEN	10	14
XMENV1\$EAX	6	
XMENV1LEN	0	
XMENV1\$PASN	8	
XMENV1\$PASTEIN		
	C	
XMENV1\$PKM	2	
XMENV1\$SASN	4	
XMENV1\$SASTEIN		
	10	

CTSS Information

CTSS Programming Interface information

Programming Interface information

CTSS

End of Programming Interface information

CTSS Heading Information • CTSS Map

CTSS Heading Information

Common Name: Component Trace Start/Stop Parmlist
Macro ID: ITTCTSS
DSECT Name: CTSS CTSSASIT CTSSJOB CTSSOPTH
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: CTSS
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 253
 Key: 0
Size: 84 bytes
Created by: ITTCTSER entry point of ITTCT
 ITTOCT entry point of ITTOC
 ITTOA
 INITIALIZED BY: ITTOCT, ITTCTSER, ITTOA
 ITTOA initializes the following fields when this parameter list is passed to a component trace display exit routine by the D TRACE operator command Fullword at the address contained in register one when routine is invoked.
Pointed to by:
Serialization: None
Function: Parameter list passed to a component trace start/stop routine by the TRACE CT operator command processor or CTRACE DEFINE processing with a Parmlib member that specified to turn a component trace on. Parameter list passed to a component trace display exit routine by the D TRACE operator command processor.

CTSS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTSS	
0	(0)	CHARACTER	4	CTSSID	* 'CTSS' control block id
0	(0)	X'E3E2E2'	0	CTSSIDC	"C'CTSS" * 'CTSS' parameter list id string
4	(4)	CHARACTER	2	CTSSVER	* 'CTSS' version
4	(4)	X'FOF2'	0	CTSSVERC	"CTSSVER2" * 'CTSS' current version
4	(4)	X'FOF1'	0	CTSSVER1	"C'01" * 'CTSS' version HBB3310
4	(4)	X'FOF2'	0	CTSSVER2	"C'02" * 'CTSS' version HBB4410
6	(6)	SIGNED	2	CTSSLEN	* 'CTSS' length
8	(8)	BITSTRING	4	CTSSFLGS	* Request flags.
		.... ....		CTSSSTRT	"X'80000000" * Request is to turn on a component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is OFF or MIN.
		.... ....		CTSSSTOP	"X'40000000" * Request is to turn off a component trace.
		.... ....		CTSSLKHD	"X'20000000" * Request is to make a component trace LIKEHEAD, ie, modify the trace so that it has the same status and attributes as its head level trace. This bit applies to SUB level traces only. See CTSSHDST.
		.... ....		CTSSSUBD	"X'10000000" * Request is to delete a component trace (CTRACE DELETE macro was issued by the component). This bit applies to SUB level and HEAD level traces and differentiates an off request from a delete request. When this bit is on, a start/stop routine can delete its buffers.
		.... ....		CTSSRNSS	"X'08000000" * This bit can be set by a HEAD start/stop routine to request that CTRACE pass control to the SUB start/stop routines. For CTRACE DELETE processing only, this bit is set by CTRACE before the HEAD start/stop routine is called, and if the component does not want SUB level trace start/stop routines to receive control, the component must turn this bit off. For CTRACE DELETE processing and TRACE CT OFF commands, this bit applies to all SUB level traces. For TRACE CT ON commands, this bit applies to SUB level traces in the LIKEHEAD state.
		.... ....		CTSSCOPT	"X'04000000" * Request is to trace with component options, OPTIONS=() was specified. If no options were specified in the parenthesis (CTSSOPTP=0) then this is a request to turn off all component trace options. A component trace that supports minimum options (CTRACE DEFINE MINOPS=options was specified), must revert to the those minimum options. This bit applies to component options only and does not effect buffer size.
		.... ....		CTSSCASI	"X'02000000" * Request is to trace by ASID, ASID=() was specified. This bit applies when the component trace supports filtering by ASID (CTRACE DEFINE ASIDS=YES was specified).
		.... ....		CTSSCJOB	"X'01000000" * Request is to trace by JOBNAME, JOBNAME=() was specified. This bit applies when the component trace support filtering by jobname (CTRACE DEFINE JOBS=YES was specified).

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	BITSTRING	0	CTSSCBUF	"X'00800000" * Request specified buffer size. nnnK, nnnM, or BUFSIZE(nnnnKIM) was specified. This bit applies when the component trace supports buffer size specification (CTRACE DEFINE BUFFER=YES was specified).
8	(8)	BITSTRING	0	CTSSHDST	"X'00400000" * State of HEAD (valid when CTSSLKHD is on), =1'B HEAD is ON, =0'B HEAD is OFF
8	(8)	BITSTRING	0	CTSSMOD	"X'00200000" * Request is to modify an active component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is ON and the component trace can be modified (CTRACE DEFINE MOD=YES was specified).
8	(8)	BITSTRING	0	CTSSWCON	"X'00100000" * Request was made to connect a trace to an external writer, TRACE CT,ON....WTR=jobname was specified. CTSSWTKN is set. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).
8	(8)	BITSTRING	0	CTSSWDIS	"X'00080000" * Request was made to disconnect a trace from an external writer. One of the following was specified: TRACE CT,ON....WTR=DISCONNECT operator command or TRACE CT,ON....WTR(DISCONNECT) in a parmlib member or TRACE CT,OFF... operator command or CTRACE DELETE macro. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).
		.... 1...		CTSSDSPi	"X'00000008" * Request is to provide display information. Display exit must set one of: CTSSDON or CTSSDOFF or CTSSDMIN. Display exit may set CTSSBUFS and CTSSOPTL. Any other fields in the CTSS should be ignored by the display exit and will be ignored by CTRACE processing.
		.... .1..		CTSSDON	"X'00000004" * Display status. If on, the component trace display will indicate that the component trace mode is on.
		.... ..1.		CTSSDOFF	"X'00000002" * Display status. If on, the component trace display will indicate that the component trace mode is off.
		.... ...1		CTSSDMIN	"X'00000001" * Display status. If on, the component trace display will indicate that the component trace mode is min.
8	(8)	X'80'	0	BIT0	"128"
8	(8)	X'40'	0	BIT1	"64"
8	(8)	X'20'	0	BIT2	"32"
8	(8)	X'10'	0	BIT3	"16"
8	(8)	X'8'	0	BIT4	"8"
8	(8)	X'4'	0	BIT5	"4"
8	(8)	X'2'	0	BIT6	"2"
8	(8)	X'1'	0	BIT7	"1"
8	(8)	BITSTRING	1	CTSS1FLGS	* Request flags - byte 1
		1...		CTSS1STRT	"BIT0" * Request is to turn on a component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is OFF or MIN.
		.1..		CTSS1STOP	"BIT1" * Request is to turn off a component trace.
		..1.		CTSS1LKHD	"BIT2" * Request is to make a component trace LIKEHEAD, ie, modify the trace so that it has the same status and attributes as its head level trace. This bit applies to SUB level traces only. See CTSSHDST.
		...1		CTSS1SUBD	"BIT3" * Request is to delete a component trace (CTRACE DELETE macro was issued by the component). This bit applies to SUB level and HEAD level traces and differentiates an off request from a delete request. When this bit is on, a start/stop routine can delete its buffers.
		.... 1...		CTSS1RNSS	"BIT4" * This bit can be set by a HEAD start/stop routine to request that CTRACE pass control to the SUB start/stop routines. For CTRACE DELETE processing only, this bit is set by CTRACE before the HEAD start/stop routine is called, and if the component does not want SUB level trace start/stop routines to receive control, the component must turn this bit off. For CTRACE DELETE processing and TRACE CT OFF commands, this bit applies to all SUB level traces. For TRACE CT ON commands, this bit applies to SUB level traces in the LIKEHEAD state.
		.... .1..		CTSS1COPT	"BIT5" * Request is to trace with component options, OPTIONS=() was specified. If no options were specified in the parenthesis (CTSSOPTP=0) then this is a request to turn off all component trace options. A component trace that supports minimum options (CTRACE DEFINE MINOPS=options was specified), must revert to the those minimum options. This bit applies to component options only and does not effect buffer size.
		.... ..1.		CTSS1CASI	"BIT6" * Request is to trace by ASID, ASID=() was specified. This bit applies when the component trace supports filtering by ASID (CTRACE DEFINE ASIDS=YES was specified).
		.... ...1		CTSS1CJOB	"BIT7" * Request is to trace by JOBNAME, JOBNAME=() was specified. This bit applies when the component trace support filtering by jobname (CTRACE DEFINE JOBS=YES was specified).
9	(9)	BITSTRING	1	CTSS2FLGS	* Request flags - byte 2
		1...		CTSS2CBUF	"BIT0" * Request specified buffer size. nnnK, nnnM, or BUFSIZE(nnnnKIM) was specified. This bit applies when the component trace supports buffer size specification (CTRACE DEFINE BUFFER=YES was specified).

CTSS Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.1.		CTSS2HDST	"BIT1" * State of HEAD (valid when CTSSLKHD is on), =1'B HEAD is ON, =0'B HEAD is OFF	
		..1.		CTSS2MOD	"BIT2" * Request is to modify an active component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is ON and the component trace can be modified (CTRACE DEFINE MOD=YES was specified).	
		...1		CTSS2WCON	"BIT3" * Request was made to connect a trace to an external writer, TRACE CT,ON,...WTR=jobname was specified. CTSSWTKN is set. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).	
		.... 1...		CTSS2WDIS	"BIT4" * Request was made to disconnect a trace from an external writer. One of the following was specified: TRACE CT,ON,...WTR=DISCONNECT operator command or TRACE CT,ON,...WTR(DISCONNECT) in a parmlib member or TRACE CT,OFF... operator command or CTRACE DELETE macro. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).	
10	(A)	BITSTRING	1	CTSS3FLGS	* Request flags - byte 3	
11	(B)	BITSTRING	1	CTSS4FLGS	* Request flags - byte 4	
		.... 1...		CTSS4DSP1	"BIT4" * Request is to provide display information. Display exit must set one of: CTSSDON or CTSSDOFF or CTSSDMIN. Display exit may set CTSSBUFS and CTSSOPTL. Any other fields in the CTSS should be ignored by the display exit and will be ignored by CTRACE processing.	
		.... .1..		CTSS4DON	"BIT5" * Display status. If on, the component trace display will indicate that the component trace mode is on.	
		.... ..1.		CTSS4DOFF	"BIT6" * Display status. If on, the component trace display will indicate that the component trace mode is off.	
		.... ...1		CTSS4DMIN	"BIT7" * Display status. If on, the component trace display will indicate that the component trace mode is min.	
12	(C)	CHARACTER	4	CTSSUCMP	* requesting console id	
12	(C)	CHARACTER	3		* reserved	
15	(F)	CHARACTER	1	CTSSUCMP1	* requesting console id	
16	(10)	SIGNED	4	CTSSBUFS	* Size of buffers in units of 1K. CTSSBUFS multiplied by 1024 determines the number of bytes requested for trace buffers. This field applies when CTSSCBUF is on and the CTSS is passed to a start/stop routine. When CTSSDSP1 is on, a display exit routine can update this field with the size of buffers in units of 1K.	
20	(14)	SIGNED	4	CTSSOPTP	* Pointer to component specific options mapped by CTSSOPTL or zero if no options were specified. This field applies when CTSSCOPT is on for a start/stop routine and when CTSSDSP1 is on for a display exit routine.	
24	(18)	SIGNED	4	CTSSASIP	* Pointer to table of ASIDs to filter on mapped by CTSSASTL or zero if no ASIDs were specified. This field applies when CTSSCASI is on.	
28	(1C)	SIGNED	4	CTSSJOBP	* Pointer to table of jobnames to filter on mapped by CTSSJOBT or zero if no jobnames were specified. This field applies when CTSSCJOB is on.	
32	(20)	CHARACTER	8	CTSSCART	* Command & Response Token	
40	(28)	SIGNED	4	CTSSSNTP	* Pointer to the subname table or zero if not a SUB level trace, mapped by ITTSTAB.	
44	(2C)	CHARACTER	16	CTSSUSRD	* User data. Copy of the user data that the component specified on CTRACE DEFINE USERDATA. This field may be updated by the start/stop routine.	
60	(3C)	CHARACTER	8	CTSSWTKN	* Writer token. The component trace specifies this token as an input to the CTRACEWR to write buffers to an external data set.	
68	(44)	SIGNED	4	CTSSW2GO	* Number of buffers that the component trace expects to write to the external dataset before the disconnect completes. This field can be set by a component trace start/stop routine to request that CTRACE processing disconnect the component trace from the external writer only after this number of buffers are written to the external data set by the component trace. This bit applies when CTSSWDIS is on and the start/stop routine is not running on behalf of a SUB level trace.	
72	(48)	CHARACTER	12		* Reserved.	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	CTSSASIT	* ASID table	
0	(0)	CHARACTER	4	CTSSAHDR	* ASID table header	
0	(0)	SIGNED	2	CTSSACNT	* Number of entries in table	
2	(2)	SIGNED	2		* Reserved	
4	(4)	SIGNED	2	CTSSASID (16)	* ASID entries	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	CTSSJOBT	* Jobname table	
0	(0)	CHARACTER	4	CTSSJHDR	* Jobname table header	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	SIGNED	2	CTSSJCNT	* Number of entries in table
2	(2)	SIGNED	2		* Reserved
4	(4)	CHARACTER	8	CTSSJOBN (16)	* Jobname entries

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTSSOPTL	Options list
0	(0)	CHARACTER	4	CTSSOHDR	* Options list header
0	(0)	SIGNED	2	CTSSOLEN	* Length of options string
2	(2)	SIGNED	2		* Reserved
4	(4)	CHARACTER	1024	CTSSOPTS	* Unparsed options string specified by operator or parmlib member.

CTSS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	8	80	CTSSWTKN	3C	
BIT1	8	40	CTSSW2GO	44	
BIT2	8	20	CTSS1CASI	8	2
BIT3	8	10	CTSS1CJOB	8	1
BIT4	8	8	CTSS1COPT	8	4
BIT5	8	4	CTSS1FLGS	8	
BIT6	8	2	CTSS1LKHD	8	20
BIT7	8	1	CTSS1RNSS	8	8
CTSS	0		CTSS1STOP	8	40
CTSSACNT	0		CTSS1STRT	8	80
CTSSAHDR	0		CTSS1SUBD	8	10
CTSSASID	4		CTSS2CBUF	9	80
CTSSASIP	18		CTSS2FLGS	9	
CTSSASIT	0		CTSS2HDST	9	40
CTSSBUFS	10		CTSS2MOD	9	20
CTSSCART	20		CTSS2WCON	9	10
CTSSCASI	8	0	CTSS2WDIS	9	8
CTSSCBUF	8	800000	CTSS3FLGS	A	
CTSSCJOB	8	0	CTSS4DMIN	B	1
CTSSCOPT	8	0	CTSS4DOFF	B	2
CTSSDMIN	8	1	CTSS4DON	B	4
CTSSDOFF	8	2	CTSS4DSPI	B	8
CTSSDON	8	4	CTSS4FLGS	B	
CTSSDSPI	8	8			
CTSSFLGS	8				
CTSSHDST	8	400000			
CTSSID	0				
CTSSIDC	0	E3E2E2			
CTSSJCNT	0				
CTSSJHDR	0				
CTSSJOBN	4				
CTSSJOBP	1C				
CTSSJOBT	0				
CTSSLEN	6				
CTSSLKHD	8	0			
CTSSMOD	8	200000			
CTSSOHDR	0				
CTSSOLEN	0				
CTSSOPTL	0				
CTSSOPTP	14				
CTSSOPTS	4				
CTSSRNSS	8	0			
CTSSNTP	28				
CTSSSTOP	8	0			
CTSSSTRT	8	0			
CTSSSUBD	8	0			
CTSSUCMP	C				
CTSSUCMP1	F				
CTSSUSRD	2C				
CTSSVER	4				
CTSSVERC	4	F0F2			
CTSSVER1	4	F0F1			
CTSSVER2	4	F0F2			
CTSSWCON	8	100000			
CTSSWDIS	8	80000			

CTXASM Information

CTXASM Programming Interface information

Programming Interface information

CTXASM

End of Programming Interface information

CTXASM Heading Information • CTXASM Map

CTXASM Heading Information

Common Name: Context Services ASM Declares
Macro ID: CTXASM
DSECT Name: CTXBEGCPARMLIST CTXDINTPARMLIST CTXEINTPARMLIST CTXEINT1PARMLIST CTXENDCPARMLIST CTXRCIDPARMLIST
 CTXSCIDPARMLIST CTXSCID2PARMLIST CTXSWCHPARMLIST CTXEPPARMLIST
Owning Component: Context Services (SCCTX)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: N/A
 Data Space: N/A
 Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: CTXASM defines Context Services constants and parameter list mappings and DSECTS for programs written in the Assembler Language

CTXASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX_CRGSEIF_VALUE_1	, CRGSEIF Value 1 data
0	(0)	SIGNED	4	CTX_VALUE_1_DATA_LEN	Mapping length
4	(4)	SIGNED	4	CTX_VALUE_1_DATA_VER	Mapping version
8	(8)	SIGNED	2	CTX_VALUE_1_VER_1_DATA (0)	Version 1 data
8	(8)	CHARACTER	32	CTX_VALUE_1_RM_NAME	Resource manager name that Context Services should delegate private contexts to
8	(8)	X'1'	0	CTX_CRGSEIF_VALUE_1_VER_CONST	"1" Version constant
8	(8)	X'28'	0	CTX_CRGSEIF_VALUE_1_VER1_LEN	"40" Version 1 length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXBEGCPARMLIST	,
0	(0)	ADDRESS	4	CTXBEGCRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXBEGCRESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CTXBEGCCONTEXTTOKENPTR	Context Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXDINTPARMLIST	,
0	(0)	ADDRESS	4	CTXDINTRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXDINTCITOKENPTR	Context Interest Token address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXEINTPARMLIST	,
0	(0)	ADDRESS	4	CTXEINTRETURNCODEPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	ADDRESS	4	CTXEINTRESOURCEMANAGERTOKENPTR	Return Code Address RM Token Address
8	(8)	ADDRESS	4	CTXEINTCONTEXTTOKENPTR	Context Token Address
12	(C)	ADDRESS	4	CTXEINTMEMTERMOPTIONPTR	Memory Termination Option address
16	(10)	ADDRESS	4	CTXEINTCIDATAPTR	Context Interest Data address
20	(14)	ADDRESS	4	CTXEINTCURRENTCONTEXTTOKENPTR	Current Context Token Address address
24	(18)	ADDRESS	4	CTXEINTCITOKENPTR	Context Interest Token address
28	(1C)	ADDRESS	4	CTXEINTRETURNEDCIDATAPTR	Returned Context Interest Data address
32	(20)	ADDRESS	4	CTXEINTMULTIPLEINTERESTOPTIONPTR	Multiple Interest Option address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXEINT1PARMLIST	
0	(0)	ADDRESS	4	CTXEINT1RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXEINT1RESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CTXEINT1CONTEXTTOKENPTR	Context Token Address
12	(C)	ADDRESS	4	CTXEINT1MEMTERMOPTIONPTR	Memory Termination Option address
16	(10)	ADDRESS	4	CTXEINT1CIDATAPTR	Context Interest Data address
20	(14)	ADDRESS	4	CTXEINT1CURRENTCONTEXTTOKENPTR	Current Context Token address
24	(18)	ADDRESS	4	CTXEINT1CITOKENPTR	Context Interest Token address
28	(1C)	ADDRESS	4	CTXEINT1RETURNEDCIDATAPTR	Returned Context Interest Data address
32	(20)	ADDRESS	4	CTXEINT1MULTIPLEINTERESTOPTIONPTR	Multiple Interest Option address
36	(24)	ADDRESS	4	CTXEINT1WORKMANAGERNAMEPTR	Work manager name address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXENDCPARMLIST	
0	(0)	ADDRESS	4	CTXENDCRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXENDCCONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXENDCCOMPLETIONTYPEPTR	Completion Type Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXRCIDPARMLIST	
0	(0)	ADDRESS	4	CTXRCIDRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXRCIDCITOKENPTR	Context Interest Token address
8	(8)	ADDRESS	4	CTXRCIDCIDATAPTR	Context Interest Data address

CTXASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXSCIDPARMLIST	
0	(0)	ADDRESS	4	CTXSCIDRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSCIDCITOKENPTR	Context Interest Token
8	(8)	ADDRESS	4	CTXSCIDCIDATAPTR	Context Interest Data address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXSCID2PARMLIST	
0	(0)	ADDRESS	4	CTXSCID2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSCID2CITOKENPTR	Context Interest Token
8	(8)	ADDRESS	4	CTXSCID2CIDATAPTR	Context Interest Data address
12	(C)	ADDRESS	4	CTXSCID2CURRENTCIDATAPTR	Current Context Interest Data address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXSWCHPARMLIST	
0	(0)	ADDRESS	4	CTXSWCHRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSWCHCONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXSWCHDISCONTEXTTOKENPTR	Disassociated Context Token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXSDTAPARMLIST	
0	(0)	ADDRESS	4	CTXSDTARETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSDTACONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXSDTAKEYPTR	
12	(C)	ADDRESS	4	CTXSDTADATALENGTHPTR	
16	(10)	ADDRESS	4	CTXSDTADATAPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXRDTAPARMLIST	
0	(0)	ADDRESS	4	CTXRDTARETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXRDTACONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXRDTAKEYPTR	
12	(C)	ADDRESS	4	CTXRDTABUFFERLENGTHPTR	
16	(10)	ADDRESS	4	CTXRDTADATALENGTHPTR	
20	(14)	ADDRESS	4	CTXRDTADATAPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXRCCPARMLIST	
0	(0)	ADDRESS	4	CTXRCCRETURNCODEPTR	Return Code Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	ADDRESS	4	CTXRCCONTEXTTOKENPTR	Context Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4BEGCPARMLIST	
0	(0)	ADDRESS	8	CTX4BEGCRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4BEGCRESOURCEMANAGERTOKENPTR	RM Token Address
16	(10)	ADDRESS	8	CTX4BEGCCONTEXTTOKENPTR	Context Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4DINTPARMLIST	
0	(0)	ADDRESS	8	CTX4DINTRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4DINTCITOKENPTR	Context Interest Token address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4EINTPARMLIST	
0	(0)	ADDRESS	8	CTX4EINTRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4EINTRESOURCEMANAGERTOKENPTR	RM Token Address
16	(10)	ADDRESS	8	CTX4EINTCONTEXTTOKENPTR	Context Token Address
24	(18)	ADDRESS	8	CTX4EINTMEMTERMOPTIONPTR	Memory Termination Option address
32	(20)	ADDRESS	8	CTX4EINTCIDATAPTR	Context Interest Data address
40	(28)	ADDRESS	8	CTX4EINTCURRENTCONTEXTTOKENPTR	Current Context Token address
48	(30)	ADDRESS	8	CTX4EINTCITOKENPTR	Context Interest Token address
56	(38)	ADDRESS	8	CTX4EINTRETURNEDCIDATAPTR	Returned Context Interest Data address
64	(40)	ADDRESS	8	CTX4EINTMULTIPLEINTERESTOPTIONPTR	Multiple Interest Option address
72	(48)	ADDRESS	8	CTX4EINTWORKMANAGERNAMEPTR	Work manager name address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4ENDCPARMLIST	
0	(0)	ADDRESS	8	CTX4ENDCRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4ENDCCONTEXTTOKENPTR	Context Token Address
16	(10)	ADDRESS	8	CTX4ENDCCOMPLETIONTYPEPTR	Completion Type Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4RCIDPARMLIST	
0	(0)	ADDRESS	8	CTX4RCIDRETURNCODEPTR	

CTXASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	ADDRESS	8	CTX4RCIDCITOKENPTR	Return Code Address
16	(10)	ADDRESS	8	CTX4RCIDCIDATAPTR	Context Interest Token address Context Interest Data address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4SCIDPARMLIST	
0	(0)	ADDRESS	8	CTX4SCIDRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4SCIDCITOKENPTR	Context Interest Token
16	(10)	ADDRESS	8	CTX4SCIDCIDATAPTR	Context Interest Data address
24	(18)	ADDRESS	8	CTX4SCIDCURRENTCIDATAPTR	Current Context Interest Data address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4SWCHPARMLIST	
0	(0)	ADDRESS	8	CTX4SWCHRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4SWCHCONTEXTTOKENPTR	Context Token Address
16	(10)	ADDRESS	8	CTX4SWCHDISCONTEXTTOKENPTR	Disassociated Context Token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4SDTAPARMLIST	
0	(0)	ADDRESS	8	CTX4SDTARETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4SDTACONTEXTTOKENPTR	Context Token Address
16	(10)	ADDRESS	8	CTX4SDTAKEYPTR	
24	(18)	ADDRESS	8	CTX4SDTADATALLENGTHPTR	
32	(20)	ADDRESS	8	CTX4SDTADATAPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4RDTAPARMLIST	
0	(0)	ADDRESS	8	CTX4RDTARETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4RDTACONTEXTTOKENPTR	Context Token Address
16	(10)	ADDRESS	8	CTX4RDTAKEYPTR	
24	(18)	ADDRESS	8	CTX4RDTABUFFERLENGTHPTR	
32	(20)	ADDRESS	8	CTX4RDTADATALLENGTHPTR	
40	(28)	ADDRESS	8	CTX4RDTADATAPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTX4RCCPARMLIST	
0	(0)	ADDRESS	8	CTX4RCCRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4RCCCONTEXTTOKENPTR	Context Token Address

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CTXEPPARMLIST	
0	(0)	ADDRESS	4	CTXEPRETURNCODEPTR	Exit Return Code Address
4	(4)	ADDRESS	4	CTXEPVERSIONPTR	Exit Parameter List Version Number
8	(8)	ADDRESS	4	CTXEPEXITNUMBERPTR	Exit Number Address
12	(C)	ADDRESS	4	CTXEPRMTOKENPTR	Resource Manager Token Address
16	(10)	ADDRESS	4	CTXEPEXITMGRNAMEPTR	Registration Services Exit Manager Name Address
20	(14)	ADDRESS	4	CTXEPRMGLOBALDATAPTR	Resource Manager Global Data Address
24	(18)	ADDRESS	4	CTXEPCTOKENPTR	Context Token address
28	(1C)	ADDRESS	4	CTXEPCITOKENPTR	Context Interest Token Address
32	(20)	ADDRESS	4	CTXEPCIDATAPTR	Context Interest Data Address
36	(24)	ADDRESS	4	CTXEPVALUE1PTR	Value 1 Address
40	(28)	ADDRESS	4	CTXEPVALUE2PTR	Value 2 Address
44	(2C)	ADDRESS	4	CTXEPVALUE3PTR	Value 3 Address
48	(30)	ADDRESS	4	CTXEPVALUE4PTR	Value 4 Address
52	(34)	ADDRESS	4	CTXEPVALUE5PTR	Value 5 Address

CTXASM Cross Reference

Name	Hex Offset	Hex Value
CTX_CRGSEIF_VALUE_1	0	
CTX_CRGSEIF_VALUE_1_VER_CONST	8	1
CTX_CRGSEIF_VALUE_1_VER1_LEN	8	28
CTX_VALUE_1_DATA_LEN	0	
CTX_VALUE_1_DATA_VER	4	
CTX_VALUE_1_RM_NAME	8	
CTX_VALUE_1_VER_1_DATA	8	
CTXBEGCCONTEXTTOKENPTR	8	
CTXBEGCPARMLIST	0	
CTXBEGCRESOURCEMANAGERTOKENPTR	4	
CTXBEGCRETURNCODEPTR	0	
CTXDINTCITOKENPTR	4	
CTXDINTPARMLIST	0	
CTXDINTRETURNCODEPTR	0	
CTXEINTCIDATAPTR	10	
CTXEINTCITOKENPTR	18	
CTXEINTCONTEXTTOKENPTR	8	
CTXEINTCURRENTCONTEXTTOKENPTR	14	
CTXEINTMEMTERMOPTIONPTR	C	

Name	Hex Offset	Hex Value
CTXEINTMULTIPLEINTERESTOPTIONPTR	20	
CTXEINTPARMLIST	0	
CTXEINTRESOURCEMANAGERTOKENPTR	4	
CTXEINTRETURNCODEPTR	0	
CTXEINTRETURNEDCIDATAPTR	1C	
CTXEINT1CIDATAPTR	10	
CTXEINT1CITOKENPTR	18	
CTXEINT1CONTEXTTOKENPTR	8	
CTXEINT1CURRENTCONTEXTTOKENPTR	14	
CTXEINT1MEMTERMOPTIONPTR	C	
CTXEINT1MULTIPLEINTERESTOPTIONPTR	20	
CTXEINT1PARMLIST	0	
CTXEINT1RESOURCEMANAGERTOKENPTR	4	
CTXEINT1RETURNCODEPTR	0	
CTXEINT1RETURNEDCIDATAPTR	1C	
CTXEINT1WORKMANAGERNAMEPTR	24	
CTXENDCCOMPLETIONTYPEPTR	8	
CTXENDCCONTEXTTOKENPTR	4	
CTXENDCPARMLIST	0	

CTXASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CTXENDCRETURNCODEPTR	0		CTXSCID2PARMLIST	0	
CTXEPCIDATAPTR	20		CTXSCID2RETURNCODEPTR	0	
CTXEPCITOKENPTR	1C		CTXSDTACONTEXTTOKENPTR	4	
CTXEPCTOKENPTR	18		CTXSDTADATALENGTHPTR	C	
CTXEPEXITMGRNAMEPTR	10		CTXSDTADATAPTR	10	
CTXEPEXITNUMBERPTR	8		CTXSDTAKEYPTR	8	
CTXEPPARMLIST	0		CTXSDTAPARMLIST	0	
CTXEPRETURNCODEPTR	0		CTXSDTARETURNCODEPTR	0	
CTXEPRMGLOBALDATAPTR	14		CTXSWCHCONTEXTTOKENPTR	4	
CTXEPRMTOKENPTR	C		CTXSWCHDISCONTEXTTOKENPTR	8	
CTXEPVALUE1PTR	24		CTXSWCHPARMLIST	0	
CTXEPVALUE2PTR	28		CTXSWCHRETURNCODEPTR	0	
CTXEPVALUE3PTR	2C		CTX4BEGCCONTEXTTOKENPTR	10	
CTXEPVALUE4PTR	30		CTX4BEGCPARMLIST	0	
CTXEPVALUE5PTR	34		CTX4BEGCRESOURCEMANAGERTOKENPTR	8	
CTXEPVERSIONPTR	4		CTX4BEGCRETURNCODEPTR	0	
CTXRCCCONTEXTTOKENPTR	4		CTX4DINTCITOKENPTR	8	
CTXRCCPARMLIST	0		CTX4DINTPARMLIST	0	
CTXRCCRETURNCODEPTR	0		CTX4DINTRETURNCODEPTR	0	
CTXRCIDCIDATAPTR	8		CTX4EINTCIDATAPTR	20	
CTXRCIDCITOKENPTR	4		CTX4EINTCITOKENPTR	30	
CTXRCIDPARMLIST	0		CTX4EINTCONTEXTTOKENPTR	10	
CTXRCIDRETURNCODEPTR	0		CTX4EINTCURRENTCONTEXTTOKENPTR	28	
CTXRDATABUFFERLENGTHPTR	C		CTX4EINTMEMTERMOPTIONPTR	18	
CTXRDACONTEXTTOKENPTR	4		CTX4EINTMULTIPLEINTERESTOPTIONPTR	40	
CTXRDADATALENGTHPTR	10		CTX4EINTPARMLIST	0	
CTXRDADATAPTR	14		CTX4EINTRESOURCEMANAGERTOKENPTR	8	
CTXRDTAKEYPTR	8		CTX4EINTRETURNCODEPTR	0	
CTXRDAPARMLIST	0		CTX4EINTRETURNEDCIDATAPTR	38	
CTXRDARETURNCODEPTR	0		CTX4EINTWORKMANAGERNAMEPTR	48	
CTXSCIDCIDATAPTR	8		CTX4ENDCCOMPLETIONTYPEPTR	10	
CTXSCIDCITOKENPTR	4		CTX4ENDCCONTEXTTOKENPTR	8	
CTXSCIDPARMLIST	0		CTX4ENDCPARMLIST	0	
CTXSCIDRETURNCODEPTR	0		CTX4ENDCRETURNCODEPTR	0	
CTXSCID2CIDATAPTR	8		CTX4RCCCONTEXTTOKENPTR	8	
CTXSCID2CITOKENPTR	4		CTX4RCCPARMLIST	0	
CTXSCID2CURRENTCIDATAPTR	C		CTX4RCCRETURNCODEPTR	0	

Name	Hex Offset	Hex Value
CTX4RCIDCIDATAPTR	10	
CTX4RCIDCITOKENPTR	8	
CTX4RCIDPARMLIST	0	
CTX4RCIDRETURNCODEPTR	0	
CTX4RDTABUFFERLENGTHPTR	18	
CTX4RDTACONTEXTTOKENPTR	8	
CTX4RDTADATALENGTHPTR	20	
CTX4RDTADATAPTR	28	
CTX4RDTAKEYPTR	10	
CTX4RDTAPARMLIST	0	
CTX4RDTARETURNCODEPTR	0	
CTX4SCIDCIDATAPTR	10	
CTX4SCIDCITOKENPTR	8	
CTX4SCIDCURRENTCIDATAPTR	18	
CTX4SCIDPARMLIST	0	
CTX4SCIDRETURNCODEPTR	0	
CTX4SDTACONTEXTTOKENPTR	8	
CTX4SDTADATALENGTHPTR	18	
CTX4SDTADATAPTR	20	
CTX4SDTAKEYPTR	10	
CTX4SDTAPARMLIST	0	
CTX4SDTARETURNCODEPTR	0	
CTX4SWCHCONTEXTTOKENPTR	8	
CTX4SWCHDISCONTEXTTOKENPTR	10	
CTX4SWCHPARMLIST	0	
CTX4SWCHRETURNCODEPTR	0	

CTXI Information

CTXI Programming Interface information

Programming Interface information

CTXI

The following field is **NOT** programming interface information:

- CTXICNTL

End of Programming Interface information

CTXI Heading Information • CTXI Map

CTXI Heading Information

Common Name: CTRACE Exit Interface
Macro ID: ITTCTXI
DSECT Name: CTXI
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: CTXI
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: Private storage in IPCS users address space
 Subpool: 1
 Key: 8
Size: 80 bytes
Created by: CTRACE subcommand processor
 INITIALIZED BY: CTRACE subcommand processor
Pointed to by: Passed as a parameter
Serialization: None
Function: Provide information to the exits called by the Component Trace IPCS CTRACE subcommand.

CTXI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXI	, Component Trace Exit Interface Block
0	(0)	CHARACTER	5	CTXIID (0)	CTXI identifier and level
0	(0)	CHARACTER	4	CTXIIDC	CTXI identifier constant
4	(4)	CHARACTER	1	CTXILVL	CTXI level
5	(5)	BITSTRING	1	CTXIFLGS	Processing flags
		1...		CTXIDONE	"BIT0" All entries have been processed. The user exit has this opportunity to complete report generation, tabulate results and free storage.
		.1..		CTXICMPL	"BIT1" The buffer described is complete (copied), and is not wrapped
		..1.		CTXIIGSY	"BIT2" Ignore existing buffer definition symbols, component dependent options determine
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	4	CTXIUSWA	Address of a 4K user work area. Zeroed and reused by FIND and FILTER functions
12	(C)	ADDRESS	4	CTXIUSER	A field that may be used to anchor storage GETMAINED by an exit program.
16	(10)	SIGNED	4	CTXIUSRL	Length of storage got by exit
20	(14)	CHARACTER	8	CTXICOMP	The name of the component which produced the CTE
28	(1C)	ADDRESS	4	CTXICNTL	The address of the component trace control area. See ITTCNTL for details.
32	(20)	ADDRESS	4	CTXIOPT	The address of a buffer containing the OPTIONS specified on the CTRACE command. These are component specific options. The mapping for this buffer is equivalent to the "options list header" in the CTSS. See the CTSSOPTL DSECT in the ITTCTSS macro for the mapping.
36	(24)	ADDRESS	4	CTXIESR	The address of an Equate Symbol Record to be filled in by the component exit. This describes a buffer containing trace entries to be processed.
40	(28)	ADDRESS	4	CTXICTE	The address of an Component Trace Entry (CTE) currently being formatted
44	(2C)	ADDRESS	4	CTXIFMP	The address of an initialized format parameter
48	(30)	SIGNED	4	CTXITNX	Index into format table
52	(34)	ADDRESS	4	CTXISNP	-> ITTSTAB structure
56	(38)	BITSTRING	16	CTXIUSRD	User data from CTRACE DEFINE or CTSSUSRD
72	(48)	ADDRESS	4	CTXIFMTB	Address of sorted format table
76	(4C)	BITSTRING	2	CTXICPU	GPU to get trace data for
78	(4E)	BITSTRING	2		Reserved
80	(50)	SIGNED	4	CTXIEND (0)	End of CTXI

CTXI Cross Reference

Name	Hex Offset	Hex Value
CTXI	0	
CTXICMPL	5	40
CTXICNTL	1C	
CTXICOMP	14	40404040
CTXICPU	4C	0
CTXICTE	28	
CTXIDONE	5	80
CTXIEND	50	
CTXIESR	24	
CTXIFLGS	5	0
CTXIFMP	2C	
CTXIFMTB	48	
CTXIID	0	
CTXIIDC	0	C3E3E7C9
CTXIIGSY	5	20
CTXILVL	4	F1
CTXIOPT	20	
CTXISNP	34	
CTXITNX	30	0
CTXIUSER	C	
CTXIUSRD	38	0
CTXIUSRL	10	0
CTXIUSWA	8	

CTXT Information

CTXT Programming Interface information

Programming Interface information

CTXT

End of Programming Interface information

CTXT Heading Information • CTXT Map

CTXT Heading Information

Common Name: COMMUNICATIONS TASK INSTALLATION EXIT ROUTINE PARAMETER LIST
Macro ID: IEZVX100
DSECT Name: CTXT (Exit parameter list), CTXTATTR (Message Attributes), CTXTROUT (Routing Codes), CTXTDESC (Descriptor Codes), CTXTFBCN (4-Byte console id), CTXTPRFL (Request Flags), CTXTCNME (Console Name), CTXTCDAM (12-Byte Common Data Area)
Owning Component: CONSOLES (SC1CK)
Eye-Catcher ID: CTXT
 Offset: 0
 Length: 4 BYTES
Storage Attributes: Virtual Storage: NO
 Auxiliary Storage: NO
 Subpool: 229
 Key: 0
 Data Space: NO
 Residency: BELOW 2GB
Size: 152 BYTES
Created by: CNZS1MPF - WTO MPF ROUTINE
 POINTED TO BY - REGISTER 1
Pointed to by: REGISTER 1
Serialization: NONE
Function: PROVIDES THE INTERFACE BETWEEN CNZS1MPF AND THE WTO INSTALLATION EXITS.

CTXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXT	COMM TASK EXIT PARAMETER LIST
0	(0)	CHARACTER	4	CTXTACRN	ACRONYM 'CTXT'
4	(4)	BITSTRING	1	CTXTVRSN	VERSION LEVEL
4	(4)	X'1'	0	CTXTS212	"1" LEVEL OF OS/VS2 JBB2125
4	(4)	X'2'	0	CTXTS220	"2" LEVEL OF OS/VS2 JBB2220
4	(4)	X'3'	0	CTXTS410	"3" MVS/ESA HBB4410
4	(4)	X'4'	0	CTXTS422	"4" MVS/ESA HBB4422
4	(4)	X'9'	0	CTXTS720	"9" Z/OS HBB7720 LEVEL
4	(4)	X'9'	0	CTXTVERN	"CTXTS720" CURRENT VERSION LEVEL
4	(4)	X'0'	0	CTXTMCS	"0" MCS CONSOLE CLASS
5	(5)	CHARACTER	3	CTXTRSV1	RESERVED

Comment

 The CTXTATTR structure pointed to by CTXTXPJ contains either a single-line message or the first (major) line of a multi-line message.

CTXTXPN is non-zero when it points to a CTXTATTR structure containing a minor line of a multi-line message. CTXTXPN is zero for single-line messages and for the first (major) line of a multi-line message. Both CTXTXPJ and CTXTXPN are zero if the exit termination flag CTXTCIDA is set. You should test CTXTCIDA before attempting to access CTXTXPJ and CTXTXPN.

To process the minor lines of a multi-line message, you must set CTXTRPML when the exit first sees the first (major) line of the multi-line message. You can test the CTXTFMJ bit in the CTXTFB1 message type flags contained in the CTXTATTR message attributes pointed to by CTXTXPJ to determine if the message is a multi-line message.

If you have set CTXTRPML, the exit will be invoked for each minor line in the multi-line message. When a minor line is

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
<p>present, CTXTTXPN will be non-zero and will point to a CTXTATTR structure containing the minor line. You can use the message type flags (CTXTTFB1) in the CTXTATTR message attributes pointed to by CTXTTXPN to determine the type(s) of the minor line that is being presented to the exit. CTXTTXPJ will continue to point to the major line each time that the exit is invoked to process a minor line. The exit should examine the text pointed to by CTXTTXPJ each time to verify that the exit is processing the correct major line before examining the minor line since the exit may be receiving the minor lines of multiple multi-line messages interspersed.</p> <p>You can only change the text of minor lines within a multi-line message. All other attributes of the multi-line message must be changed when the major (first) line of the multi-line message is processed. If you alter other attributes of the message, they are ignored. You can only perform actions such as suppressing the message or deleting the message when the major (first) line of the multi-line message is processed. You cannot convert a single-line message into a multi-line message nor can you convert a multi-line message into a single-line message. You cannot add or remove minor lines from a multi-line message. You cannot convert a single-line message into a Write-To-Operator-with-Reply (WTOR) message nor can you convert a WTOR into a single-line message.</p>						

| End of Comment |						
8	(8)	ADDRESS	4	CTXTTXPJ	POINTER TO TEXT OF MAJOR	
12	(C)	ADDRESS	4	CTXTTXPN	POINTER TO TEXT OF MINOR	
| Comment |						

NOTE: CTXTSEQN is the same as the DOM ID.						

| End of Comment |						
16	(10)	SIGNED	4	CTXTSEQN	WTO SEQUENCE NUMBER	
20	(14)	CHARACTER	1	CTXTRSV2	RESERVED	
21	(15)	SIGNED	3	CTXTMLID	MULTI-LINE WTO ID	
| Comment |						

<p>CTXTRPID contains the EBCDIC representation of the WTOR reply ID if the reply ID is 99 or less. CTXTRPID contains X'0000' if the reply ID is greater than 99. IBM recommends using CTXTRPYB/CTXTRPYL/CTXTRPYI instead of CTXTRPID since they can handle reply IDs of any supported size.</p>						

| End of Comment |						
24	(18)	SIGNED	2	CTXTRPID	REPLY ID	
| Comment |						

MONITOR Message Type flags.						

| End of Comment |						
26	(1A)	BITSTRING	2	CTXTMTYP (0)	MESSAGE TYPE FLAGS	
26	(1A)	BITSTRING	1	CTXTMTY1	FIRST BYTE OF MESSAGE TYPE FLAGS	
		1...		CTXTMTYA	"X'80" MONITOR JOB NAMES	
		.1..		CTXTMTYB	"X'40" MONITOR STATUS	
| Comment |						

<p>EQU X'20' RESERVED EQU X'10' RESERVED EQU X'08' RESERVED</p>						
| End of Comment |						

CTXT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.... .1..		CTXTMTYF	"X'04" MONITOR SESS	
<p>Comment</p> <p>EQU X'02' RESERVED EQU X'01' RESERVED</p> <p>End of Comment</p>						
27	(1B)	BITSTRING	1	CTXTMTY2	SECOND BYTE OF MESSAGE TYPE FLAGS	
<p>Comment</p> <p>----- Routing and Descriptor Code section. The Routing Codes pointed to by CTXTRCP are described by the CTXTROUT DSECT. The Descriptor Codes pointed to by CTXTDCP are described by the CTXTDESC DSECT. -----</p> <p>End of Comment</p>						
28	(1C)	SIGNED	2	CTXRCLN	LENGTH OF ROUTING CODES	
30	(1E)	SIGNED	2	CTXTDCLN	LENGTH OF DESCRIPTOR CODES	
32	(20)	ADDRESS	4	CTXTRCP	POINTER TO ROUTING CODES	
36	(24)	ADDRESS	4	CTXTDCP	POINTER TO DESCRIPTOR CODES	
<p>Comment</p> <p>----- Pointer to a 1-byte Console ID. Note that 1-byte IDs are obsolete with z/OS 1.8 (HBB7730). The 4-byte Console ID field CTXTFBCN in the CTXTFBCN DSECT pointed to by CTXTFCNP should always be used instead. -----</p> <p>End of Comment</p>						
40	(28)	ADDRESS	4	CTXT1BCP	RESERVED - WAS CTXTCIDP	
<p>Comment</p> <p>----- Status Flags. Input TO the exit. Set by WTO, MPFLSTxx and MFA processing. -----</p> <p>End of Comment</p>						
44	(2C)	SIGNED	2	CTXTSFLG (0)	STATUS FLAGS (INPUT TO THE INSTALLATION EXIT)	
44	(2C)	BITSTRING	1	CTXTSFB1	STATUS FLAGS BYTE ONE	
<p>Comment</p> <p>----- CTXTSQPC is set if the WTO was issued by console ID, including the internal console ID. It is also set if the message was issued by console name, including INTERNAL and INSTREAM. CTXTSQPC is set in z/OS 1.8 (HBB7730) and later releases if the message was issued with the unknown console ID. -----</p> <p>End of Comment</p>						
		1...		CTXTSQPC	"X'80" QUEUE TO A PARTICULAR ACTIVE CONSOLE	
<p>Comment</p> <p>----- CTXTSQUN is obsolete with z/OS 1.8 (HBB7730) and should not be used. Prior to z/OS 1.8 (HBB7730), setting CTXTSQUN will cause the message to be queued to an active console by console ID. -----</p> <p>End of Comment</p>						
		.1..		CTXTSQUN	"X'40" QUEUE TO A PARTICULAR CONSOLE	
		.1..		CTXTSSUP	"X'20" SUPPRESSED BY MPF or Message Flood Automation	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		CTXTSFHC	"X'10" HARDCOPY
		.... 1...		CTXTSNHC	"X'08" NO HARDCOPY
		.... .1..		CTXTSHCO	"X'04" HARDCOPY ONLY

Comment

 The CTXTSRSP flag is set from the WTO MCSFLAG=RESP bit, not the Descriptor Code 5 bit which also means Command Response. Both should be checked since some messages will set one or the other but not always both.

End of Comment

45	(2D)	BITSTRING	1	CTXTSRSP	"X'02" COMMAND RESPONSE
		.... ..1.		CTXTSBCA	"X'01" BROADCAST TO ACTIVE CONSOLES
		.... ..1		CTXTSFB2	STATUS FLAGS BYTE TWO
		1...		CTXTSRET	"X'80" MSG TO BE RETAINED BY AMRF
		.1..		CTXTSAUT	"X'40" AUTOMATION SPECIFIED
		.1.		CTXTSNMD	"X'20" PRIMARY SUBSYSTEM MODIFICATIONS NOT ALLOWED
		...1		CTXTSRIS	"X'10" REISSUED MESSAGE
		.... 1...		CTXT_PROCESSED_BY_MFA	"X'08" Message Flood Automation processed this message
		.... .1..		CTXT_MSG_TO_BE_DELETED	"X'04" Message will be deleted
		.... ..1.		CTXT_WTOR_MONITORED_BY_AUTOR	"X'02" WTOR is being monitored by Auto-Reply processing

Comment

 Branch-entry / NIP flags.
 Input TO the exit.

End of Comment

46	(2E)	BITSTRING	1	CTXTBNPF	BRANCH-ENTRY/NIP FLAGS
		1...		CTXTDOMD	"X'80" MESSAGE HAS BEEN DOM'D
		.1..		CTXTNBEW	"X'40" BRANCH-ENTRY OR NIP MESSAGE
		.1.		CTXTHABD	"X'20" HAS ALREADY BEEN DISPLAYED

Comment

 Requests TO the exit.

End of Comment

47	(2F)	BITSTRING	1	CTXTSFB4	REQUEST TO EXIT
----	------	-----------	---	----------	-----------------

Comment

 When CTXTCIDA is set, it indicates that MPF is about to terminate the exit and that you should clean-up and release any persistent storage that the exit has been using. The exit termination call signaled by CTXTCIDA only occurs if a previous invocation of the exit placed a non-zero value in the 8-byte individual data area pointed to by CTXTIWKP.

End of Comment

		.1..		CTXTCIDA	"X'40" THIS IS THE TERMINATION CALL AND CLEANUP THE INDIVIDUAL DATA AREA
--	--	-----------	--	----------	--

CTXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
<p>Requests FROM the exit. To change any attribute of a message, you must change the attribute AND set the change request flag below that is associated with the attribute that you wish to change. If you change an attribute and do not set the change request flag, the change is ignored. You can only change attributes that have a change request flag associated with them. Changes made to attributes for which change request flags do not exist are ignored. The CTXTERFS field contains additional request flags.</p>					
					End of Comment
48	(30)	SIGNED	4	CTXTRFLG (0)	REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
48	(30)	CHARACTER	3	CTXTRF3B (0)	REQUEST FLAGS THREE BYTES
48	(30)	BITSTRING	1	CTXTRFB1	REQUEST FLAGS BYTE ONE
		1...		CTXTRCMT	"X'80" CHANGE THE MESSAGE TEXT
		.1.		CTXTRCRC	"X'40" CHANGE THE ROUTING CODE(S)
		..1.		CTXTRCDC	"X'20" CHANGE THE DESCRIPTOR CODE(S)
					Comment
<p>CTXTRQPC is mutually-exclusive with CTXTRQRC. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					
					End of Comment
		...1		CTXTRQPC	"X'10" QUEUE TO A PARTICULAR ACTIVE CONSOLE
					Comment
<p>CTXTRQUN is obsolete and provides the same function as CTXTRQPC. You should use CTXTRQPC instead. CTXTRQUN is mutually-exclusive with CTXTRQRC. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					
					End of Comment
		.... 1...		CTXTRQUN	"X'08" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
					Comment
<p>CTXTRQRC requesting queuing by route code only is mutually-exclusive with: CTXTRCMF - changing the message type flags CTXTRQPC - queue to a particular console CTXTRQUN - queue to a particular console CTXTRHCO - request hardcopy only Specifying CTXTRQRC with any of these will result in an incompatible request error being signaled which is visible in the MPF request flag section of the SYSLOG.</p>					
					End of Comment
		.... .1..		CTXTRQRC	"X'04" QUEUE BY ROUTING CODES ONLY
		.... .1.		CTXTRC1B	"X'02" RESERVED AND HELD FOR DOWNLEVEL USE (WAS CTXTRCCN)
		.... ...1		CTXTRPML	"X'01" PROCESS MINOR LINES
49	(31)	BITSTRING	1	CTXTRFB2	REQUEST FLAGS BYTE TWO

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

End of Comment

CTXTRDTM is mutually-exclusive with all other request flags except:

- CTXTRANO - do not mark the message for automation
- CTXTRAYS - mark the message for automation

any of the request flags in CTXTERFS

- CTXTEMRY - primary subsystem can alter message routing
- CTXTEMRN - primary subsystem cannot alter msg routing
- CTXTEMCO - change the color of the message
- CTXTEMHI - change the highlighting of the message
- CTXTEMIN - change the intensity of the message
- CTXTESJL - suppress the message from the JOBLG
- CTXTNWTP - do not perform write-to-programmer processing

Specifying any other request with CTXTRDTM will result in an incompatible request error which is visible in the MPF request flag section of the SYSLOG.

Messages with CTXTRDTM set are deleted on return from the subsystem interface (SSI) unless automation of the message was requested by MPF (CTXTSAUT) or the exit (CTXTRAYS). The deletion of the message occurs before the message is written to the SYSLOG or OPERLOG and before the message is sent to other systems in the sysplex or to the Consoles address space for queuing to consoles. If automation is requested, the message will not be written to the SYSLOG or OPERLOG but will be sent to other systems in the sysplex and to the Consoles address space. However, it will only be queued to EMCS Consoles that have requested that automation messages be queued to them. Setting CTXTRDTM does not affect the logging of the message to JOBLG or the writing of the message to the system message data set (SYSMSG) or the sending of the message to a TSO user using TPUT.

Subsystems on the Subsystem Interface may or may not choose to ignore a message that has been marked for deletion (the WQERDTM flag is set) as a result of setting CTXTRDTM.

					End of Comment
		... ..		CTXTRDTM	"X'80" DELETE THE MESSAGE (NO HARDCOPY AND NO DISPLAY)
		.1.		CTXTROMS	"X'40" OVERRIDE MPF SUPPRESSION IF BEING SUPPRESSED BY MPF

End of Comment

CTXTRFHC and CTXTRNHC are mutually-exclusive. If both are specified, CTXTRFHC is used.

CTXTRFHC and CTXTRHCO are mutually-exclusive. If both are specified, CTXTRFHC is used.

					End of Comment
		..1.		CTXTRFHC	"X'20" FORCE HARDCOPY
		...1		CTXTRNHC	"X'10" FORCE NO HARDCOPY

End of Comment

CTXTRHCO and CTXTRNHC are mutually-exclusive. If both are specified, CTXTRHCO is used.

CTXTRHCO and CTXTRBCA are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.

CTXTRHCO and CTXTRQRC are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.

					End of Comment
		.... 1...		CTXTRHCO	"X'08" FORCE HARDCOPY ONLY

CTXT Map

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

<p>CTXTRBCA and CTXTRBCN are mutually-exclusive. If both are specified, CTXTRBCN is used. CTXTRBCA and CTXTRHCO are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					

					End of Comment
		.... ..1..		CTXTRBCA	"X'04" BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
		.... ..1.		CTXTRBCN	"X'02" DO NOT BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
					Comment

<p>CTXTRNRT and CTXTRRET are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					

					End of Comment
50	(32)	.... ..1 BITSTRING	1	CTXTRNRT CTXTRFB3	"X'01" AMRF IS NOT TO RETAIN THIS MSG REQUEST FLAGS BYTE THREE
					Comment

<p>CTXTRRET and CTXTRNRT are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG. If the message is not an action message (descriptor codes 1, 2, 3 and 11 are not set), CTXTRRET is ignored.</p>					

					End of Comment
		1... .... ..1.		CTXTRRET CTXTRCKY	"X'80" AMRF IS TO RETAIN THIS MSG "X'40" CHANGE THE RETRIEVAL KEY
					Comment

<p>CTXTRCFC and CTXTRCNM are mutually-exclusive. If both are specified, only the console name will be changed. If an invalid console ID is specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					

					End of Comment
		..1.		CTXTRCFC	"X'20" CHANGE THE 4-BYTE CONSOLE ID
					Comment

<p>CTXTRCMF and CTXTRQRC are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					

					End of Comment
		...1		CTXTRCMF	"X'10" CHANGE THE MESSAGE TYPE FLAGS

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

<p>CTXTRANO and CTXTRAYS are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					

					End of Comment
		.... 1..		CTXTRANO	"X'08" AUTOMATION IS NOT REQUIRED AND ZERO TOKEN VALUE
		.... .1..		CTXTRAYS	"X'04" AUTOMATION IS REQUIRED AND UPDATE TOKEN VALUE
					Comment

<p>CTXTRCNM and CTXTRCFC are mutually-exclusive. If both are specified, only the console name will be changed. If the console name or the 4-byte console ID that is derived internally from the console name are invalid, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.</p>					

					End of Comment
		.... ..1.		CTXTRCNM	"X'02" CHANGE THE CONSOLE NAME. NOTE THAT THIS FLAG DOES NOT GET PROPAGATED TO THE WQE, MDB, OR HARDCOPY LOG.
					Comment

<p>When CTXT_Override_Deletion is specified, you should also specify the action that should be taken (e.g., send to hardcopy or queue by routing codes).</p>					

					End of Comment
		.... ...1		CTXT_OVERRIDE_DELETION	"X'01" Do not delete message
					Comment

Reserved flags.					

					End of Comment
51	(33)	BITSTRING	1		RESERVED FOR COMM TASK USE
					Comment

<p>Pointer to 4-byte Console ID. NOTE: The console ID can be converted into a console name (and vice versa) using the CNZCONV or CONVCON system services.</p>					

					End of Comment
52	(34)	ADDRESS	4	CTXTFCNP	POINTER TO 4-BYTE CONSOLE ID

CTXT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
						Comment
<p>-----</p> <p>Pointer to previous exit request flags. NOTE: Previous exit request flags will only be present if the message was issued on another system, was processed by an MPF exit on that system, and was re-driven through MPF on this system. Typically, this only happens in JES3 environments where the message was issued on a LOCAL processor and is processed (again) on the GLOBAL processor. In the general case, it is any message that has been picked up in its entirety (as a WQE) from the SSI on one system and re-introduced into the message path on another system using the WTO WQEBLK parameter.</p> <p>-----</p>						
						End of Comment
56	(38)	ADDRESS	4	CTXTPREQ	POINTER TO REQUEST FLAGS, REFLECTING CHANGES DONE TO THIS MESSAGE PREVIOUSLY	
						Comment
<p>-----</p> <p>CTXTTKN is the TOKEN value specified on the WTO/WTOR that may be used to DOM a group of one or more messages using the DOM by TOKEN facility.</p> <p>-----</p>						
						End of Comment
60	(3C)	ADDRESS	4	CTXTTKN	TOKEN value for DOM by TOKEN.	
						Comment
<p>-----</p> <p>CTXTKEY is the KEY value specified on the WTO/WTOR that may be used to retrieve a group of one or more messages from the Action Message Retention Facility (AMRF) using the DISPLAY REQUESTS command (D R) with the KEY= parameter specified.</p> <p>-----</p>						
						End of Comment
64	(40)	CHARACTER	8	CTXTKEY	D R retrieval KEY value	
						Comment
<p>-----</p> <p>CTXTJBNM is the name of the job that issued the message. CTXTJBNM is all blanks if the message was issued by a system service that is not issuing the message on behalf of a particular job. CTXTJBNM will be 'IEESYSAS' if the message was issued by a system address space. The jobname is not provided if the message issuer was running in SRB mode. The jobname is not meaningful for a started task.</p> <p>-----</p>						
						End of Comment
72	(48)	CHARACTER	8	CTXTJBNM	NAME OF JOB THAT ISSUED MESSAGE	
						Comment
<p>-----</p> <p>CTXTCART is the "command and response token" and must have been supplied to the issuer of the message by a previous MGCRE command request. It is the responsibility of the message issuer to convey the CART from the command to the WTO/WTOR.</p> <p>-----</p>						
						End of Comment
80	(50)	CHARACTER	8	CTXTCART	CART	

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

CTXTSYSN is the name of the system on which the WTO was issued.						

						End of Comment
88	(58)	CHARACTER	8	CTXTSYSN	NAME OF SYSTEM ON WHICH WTO ORIGINATED	
						Comment

CTXTAUTT is the token from the MPFLSTxx AUTO= specification. Programming Note: This is a convenient way to get 8-bytes of parameters into the exit; it is also a convenient way to "tag" the message -- either through the MPFLSTxx specification or by the exit creating CTXTAUTT -- so that the message can receive special processing in an automation program that picks the message up from the SSI or through an EMCS console.						

						End of Comment
96	(60)	CHARACTER	8	CTXTAUTT	AUTOMATION TOKEN VALUE	
104	(68)	CHARACTER	4	CTXTRSV4	RESERVED	
						Comment

Additional requests FROM the exit. These are NOT mutually-exclusive with setting CTXTRDTM.						

						End of Comment
108	(6C)	SIGNED	4	CTXTERFS (0)	EXTENDED REQUEST FLAGS (FROM THE INSTALLATION EXIT TO THE SYSTEM)	
108	(6C)	BITSTRING	1	CTXTERF1	REQUEST FLAGS BYTE ONE	
						Comment

CTXTEMRY and CTXTEMRN are mutually-exclusive. If both are specified, an incompatible request error is signaled which is visible in the MPF request flag section of the SYSLOG.						

						End of Comment
		1.. ..		CTXTEMRY	"X'80" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING	
		.1.. ..		CTXTEMRN	"X'40" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING	
		..1.		CTXTEMCO	"X'20" REQUEST TO CHANGE MESSAGE COLOR	
		...1		CTXTEMHI	"X'10" REQUEST TO CHANGE MESSAGE HIGHLIGHTING	
		.... 1..		CTXTEMIN	"X'08" REQUEST TO CHANGE MESSAGE INTENSITY	
109	(6D)	BITSTRING	1	CTXTERF2	REQUEST FLAGS BYTE TWO	
110	(6E)	BITSTRING	1	CTXTERF3	REQUEST FLAGS BYTE THREE	
		1..		CTXTESJL	"X'80" SUPPRESS MESSAGE FROM THE JOBLOG	
		.1..		CTXTNWTP	"X'40" DO NOT DO WTP PROCESSING (NO SYSMSG OR TPUT)	
111	(6F)	BITSTRING	1	CTXTERF4	REQUEST FLAGS BYTE FOUR	
						Comment

Pointer to the Console Name. NOTE: The console name can be converted into a console ID (and vice versa) using the CNZCONV or CONVCON system services.						

						End of Comment
112	(70)	ADDRESS	4	CTXTCNMP	POINTER TO CONSOLE NAME	

CTXT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>Pointer to the 12-byte Common Data Area for all MPF exits. The 12-byte Common Data Area is persistent and CTXTCWKP will point to the same data area on each invocation of any MPF exit, including IEAVMXIT. The 12-byte Common Data Area is mapped by the CTXTC DAM DSECT.</p> <p>You can use this area to contain small amounts of data that you want to share among ALL of your MPF exits. If the amount of data that you wish to share exceeds 12 bytes, you can use this area to contain a pointer to storage that you manage that contains the data that you wish to share.</p> <p>Since the 12-byte Common Data Area may be in use by multiple exits simultaneously, you may need to serialize your access to it (typically using Compare-and-Swap logic), depending on the data that you are sharing. You should determine which of your exits will clean-up the 12-byte Common Data Area when it is no longer needed (especially any storage that you have anchored to it).</p>					
End of Comment					
116	(74)	ADDRESS	4	CTXTCWKP	POINTER TO 12-BYTE COMMON DATA AREA FOR ALL EXITS
Comment					
<p>Pointer to the 8-byte Data Area for this specific exit. The 8-byte Data Area is persistent and CTXTIWKP will point to the same data area on each invocation of this specific exit. No mapping DSECT is provided for the 8-byte Data Area.</p> <p>You can use this area to contain small amounts of data that you want to share among instances of this specific exit. If the amount of data that you wish to share exceeds 8 bytes, you can use this area to contain a pointer to storage that you manage that contains the data that you wish to share.</p> <p>Since the 8-byte Data Area may be in use by multiple instances of this exit simultaneously, you may need to serialize your access to it (typically using Compare-and-Swap logic), depending on the data that you are sharing.</p> <p>The termination call signaled by CTXTCIDA only occurs if a previous invocation of the exit placed a non-zero value in the 8-byte Data Area pointed to by CTXTIWKP. When the termination call occurs, you should remove any data from the Data Area by zeroing the Data Area. If you have used the Data Area to hold a pointer to storage that you have obtained, you should free that storage and zero the pointer to it in the Data Area before the exit returns to the system.</p>					
End of Comment					
120	(78)	ADDRESS	4	CTXTIWKP	POINTER TO 8-BYTE DATA AREA FOR AN INDIVIDUAL EXIT
Comment					
<p>Message COLOR attributes. Specifying more than one color will result in no color change.</p>					
End of Comment					
124	(7C)	BITSTRING	1	CTXTCOLR	REQUEST FLAG TO CHANGE MESSAGE COLOR
		1... ..		CTXTBLUE	"X'80" REQUEST COLOR BLUE
		.1.		CTXTRED	"X'40" REQUEST COLOR RED
		..1.		CTXTPINK	"X'20" REQUEST COLOR PINK
		...1		CTXTGREE	"X'10" REQUEST COLOR GREEN
		.... 1...		CTXTTURQ	"X'08" REQUEST COLOR TURQUOISE
		.... .1.		CTXTYELO	"X'04" REQUEST COLOR YELLOW
		.... ..1.		CTXTWHIT	"X'02" REQUEST COLOR WHITE

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

Comment

Message HIGHLIGHTING attributes.
Specifying an invalid highlighting attribute will result in no highlighting change.

End of Comment

125	(7D)	BITSTRING	1	CTXTHILI	REQUEST FLAG TO CHANGE MESSAGE HIGHLIGHTING
		1...		CTXTNOHI	"X'80" REQUEST NO HIGHLIGHTING
		.1.		CTXTBLNK	"X'40" REQUEST BLINKING HIGHLIGHT
		..1.		CTXTREVD	"X'20" REQUEST REVERSE VIDEO HIGHLIGHT
		...1		CTXTUNDR	"X'10" REQUEST UNDERLINE HIGHLIGHT

Comment

Message INTENSITY attributes.
The intensity attributes only affect monochrome displays.
Specifying an invalid intensity attribute will result in no intensity change.

End of Comment

126	(7E)	BITSTRING	1	CTXTINTN	REQUEST FLAG TO CHANGE MESSAGE INTENSITY
		1...		CTXTINOR	"X'80" REQUEST NORMAL INTENSITY
		.1.		CTXTIHIG	"X'40" REQUEST HIGH INTENSITY
127	(7F)	CHARACTER	1	CTXTRSV5	RESERVED

Comment

Reply IDs. Use instead of CTXTRPID.

End of Comment

128	(80)	SIGNED	4	CTXTRPYB	BINARY REPLY ID
132	(84)	SIGNED	2	CTXTRPYL	LENGTH OF EBCDIC REPLY ID
134	(86)	CHARACTER	8	CTXTRPYI	EBCDIC REPLY ID

Comment

ASID and JOB ID of the message issuer.
NOTE: The ASID is only meaningful on the system where the message was issued. The JOB ID is not present if the message issuer was running in SRB mode.
NOTE: JES2 JOBIDS have the format JOBnnnn/STCnnnn/TSUnnnn while JES3 JOBIDS have the format nnnnnnn for all job types.

End of Comment

142	(8E)	CHARACTER	2	CTXTASID	ASID OF USER
144	(90)	CHARACTER	8	CTXTOJBID	ORIGINATING JOB ID

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
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0	(0)	STRUCTURE	0	CTXTATTR	COMM TASK EXIT MESSAGE ATTRIBUTES
0	(0)	SIGNED	2	CTXTTLEN	TEXT LENGTH
2	(2)	SIGNED	2	CTXTTLMX	MAXIMUM LENGTH OF TEXT

Comment

Message type flags.

End of Comment

4	(4)	CHARACTER	2	CTXTTFLG (0)	MESSAGE TYPE FLAGS
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CTXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	BITSTRING	1	CTXTTFFB1	TYPE FLAGS BYTE ONE
		1.. ..		CTXTTFFSL	"X'80" A SINGLE LINE MESSAGE
		.1.. ..		CTXTTFFWR	"X'40" A WTOR
		..1.		CTXTTFFMJ	"X'20" A MULTI-LINE MESSAGE
		...1		CTXTTFFMC	"X'10" A CONTROL LINE
		.... 1..		CTXTTFFML	"X'08" A LABEL LINE
		.... .1..		CTXTTFFMD	"X'04" A DATA LINE
		.... ..1.		CTXTTFFME	"X'02" AN END LINE
		.... ...1		CTXTTFFMV	"X'01" A verbose (optional) line
		5		(5)	BITSTRING	1	CTXTTFFB2	RESERVED

Comment

Message text.

End of Comment

6	(6)	CHARACTER	126	CTXTTMSG	TEXT OF MESSAGE
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Offsets								
Dec	Hex	Type/Value	Len	Name (Dim)	Description			
0	(0)	STRUCTURE	0	CTXTROUT	ROUTING CODES			
0	(0)	BITSTRING	1	CTXR001	FIRST BYTE OF ROUTING CODES			
		1.. ..		CTXR01	"X'80" PRIMARY CONSOLE ACTION			
		.1.. ..		CTXR02	"X'40" PRIMARY CONSOLE INFORMATION			
		..1.		CTXR03	"X'20" TAPE POOL			
		...1		CTXR04	"X'10" DIRECT ACCESS POOL			
		.... 1..		CTXR05	"X'08" TAPE LIBRARY		
		.... .1..		CTXR06	"X'04" DISK LIBRARY		
		.... ..1.		CTXR07	"X'02" UNIT RECORD POOL		
		.... ...1		CTXR08	"X'01" TELEPROCESSING CONTROL		
		1		(1)	BITSTRING	1	CTXR002	SECOND BYTE OF ROUTING CODES
		1.. ..		CTXR09	"X'80" SYSTEM SECURITY			
		.1.. ..		CTXR10	"X'40" SYSTEM/ERROR MAINTENANCE			
		..1.		CTXR11	"X'20" PROGRAMMER INFORMATION			
		...1		CTXR12	"X'10" EMULATOR INFORMATION			
		.... 1..		CTXR13	"X'08" USER ROUTING CODE		
		.... .1..		CTXR14	"X'04" USER ROUTING CODE		
.... ..1.	CTXR15	"X'02" USER ROUTING CODE						
.... ...1	CTXR16	"X'01" USER ROUTING CODE						
2	(2)	BITSTRING	1	CTXR003	THIRD BYTE OF ROUTING CODES			
		1.. ..		CTXR17	"X'80" USER ROUTING CODE			
		.1.. ..		CTXR18	"X'40" USER ROUTING CODE			
		..1.		CTXR19	"X'20" USER ROUTING CODE			
		...1		CTXR20	"X'10" USER ROUTING CODE			
		.... 1..		CTXR21	"X'08" RESERVED FOR JES USAGE		
		.... .1..		CTXR22	"X'04" RESERVED FOR JES USAGE		
		.... ..1.		CTXR23	"X'02" RESERVED FOR JES USAGE		
		.... ...1		CTXR24	"X'01" RESERVED FOR JES USAGE		
3	(3)	BITSTRING	1	CTXR004	FOURTH BYTE OF ROUTING CODES			
		1.. ..		CTXR25	"X'80" RESERVED FOR JES USAGE			
		.1.. ..		CTXR26	"X'40" RESERVED FOR JES USAGE			
		..1.		CTXR27	"X'20" RESERVED FOR JES USAGE			
		...1		CTXR28	"X'10" RESERVED FOR JES USAGE			
		.... 1..		CTXR29	"X'08" Disaster Recovery		
		.... .1..		CTXR30	"X'04" RESERVED		
		.... ..1.		CTXR31	"X'02" RESERVED		
		.... ...1		CTXR32	"X'01" RESERVED		
4	(4)	BITSTRING	1	CTXR005	FIFTH BYTE OF ROUTING CODES			
		1.. ..		CTXR33	"X'80" RESERVED			
		.1.. ..		CTXR34	"X'40" RESERVED			
		..1.		CTXR35	"X'20" RESERVED			
		...1		CTXR36	"X'10" RESERVED			
		.... 1..		CTXR37	"X'08" RESERVED		
		.... .1..		CTXR38	"X'04" RESERVED		
		.... ..1.		CTXR39	"X'02" RESERVED		
.... ...1	CTXR40	"X'01" RESERVED						
5	(5)	BITSTRING	1	CTXR006	SIXTH BYTE OF ROUTING CODES			
		1.. ..		CTXR41	"X'80" JOB STATUS MESSAGE			
		.1.. ..		CTXR42	"X'40" GENERAL INFO ABOUT JES2 OR JES3			
		..1.		CTXR43	"X'20" RESERVED FOR JES USAGE			

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		CTXTR44	"X'10" RESERVED FOR JES USAGE
		.... 1...		CTXTR45	"X'08" RESERVED FOR JES USAGE
		.... .1..		CTXTR46	"X'04" RESERVED FOR JES USAGE
		.... ..1.		CTXTR47	"X'02" RESERVED FOR JES USAGE
		.... ...1		CTXTR48	"X'01" RESERVED FOR JES USAGE
6	(6)	BITSTRING	1	CTXTR007	SEVENTH BYTE OF ROUTING CODES
		1...		CTXTR49	"X'80" RESERVED FOR JES USAGE
		.1..		CTXTR50	"X'40" RESERVED FOR JES USAGE
		..1.		CTXTR51	"X'20" RESERVED FOR JES USAGE
		...1		CTXTR52	"X'10" RESERVED FOR JES USAGE
		.... 1...		CTXTR53	"X'08" RESERVED FOR JES USAGE
		.... .1..		CTXTR54	"X'04" RESERVED FOR JES USAGE
		.... ..1.		CTXTR55	"X'02" RESERVED FOR JES USAGE
		.... ...1		CTXTR56	"X'01" RESERVED FOR JES USAGE
7	(7)	BITSTRING	1	CTXTR008	EIGHTH BYTE OF ROUTING CODES
		1...		CTXTR57	"X'80" RESERVED FOR JES USAGE
		.1..		CTXTR58	"X'40" RESERVED FOR JES USAGE
		..1.		CTXTR59	"X'20" RESERVED FOR JES USAGE
		...1		CTXTR60	"X'10" RESERVED FOR JES USAGE
		.... 1...		CTXTR61	"X'08" RESERVED FOR JES USAGE
		.... .1..		CTXTR62	"X'04" RESERVED FOR JES USAGE
		.... ..1.		CTXTR63	"X'02" RESERVED FOR JES USAGE
		.... ...1		CTXTR64	"X'01" RESERVED FOR JES USAGE
8	(8)	BITSTRING	1	CTXTR009	NINTH BYTE OF ROUTING CODES
		1...		CTXTR65	"X'80" PROCESSOR RELATED MESSAGE
		.1..		CTXTR66	"X'40" PROCESSOR RELATED MESSAGE
		..1.		CTXTR67	"X'20" PROCESSOR RELATED MESSAGE
		...1		CTXTR68	"X'10" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR69	"X'08" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR70	"X'04" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR71	"X'02" PROCESSOR RELATED MESSAGE
		.... ...1		CTXTR72	"X'01" PROCESSOR RELATED MESSAGE
9	(9)	BITSTRING	1	CTXTR010	TENTH BYTE OF ROUTING CODES
		1...		CTXTR73	"X'80" PROCESSOR RELATED MESSAGE
		.1..		CTXTR74	"X'40" PROCESSOR RELATED MESSAGE
		..1.		CTXTR75	"X'20" PROCESSOR RELATED MESSAGE
		...1		CTXTR76	"X'10" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR77	"X'08" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR78	"X'04" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR79	"X'02" PROCESSOR RELATED MESSAGE
		.... ...1		CTXTR80	"X'01" PROCESSOR RELATED MESSAGE
10	(A)	BITSTRING	1	CTXTR011	ELEVENTH BYTE OF ROUTING CODES
		1...		CTXTR81	"X'80" PROCESSOR RELATED MESSAGE
		.1..		CTXTR82	"X'40" PROCESSOR RELATED MESSAGE
		..1.		CTXTR83	"X'20" PROCESSOR RELATED MESSAGE
		...1		CTXTR84	"X'10" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR85	"X'08" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR86	"X'04" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR87	"X'02" PROCESSOR RELATED MESSAGE
		.... ...1		CTXTR88	"X'01" PROCESSOR RELATED MESSAGE
11	(B)	BITSTRING	1	CTXTR012	TWELFTH BYTE OF ROUTING CODES
		1...		CTXTR89	"X'80" PROCESSOR RELATED MESSAGE
		.1..		CTXTR90	"X'40" PROCESSOR RELATED MESSAGE
		..1.		CTXTR91	"X'20" PROCESSOR RELATED MESSAGE
		...1		CTXTR92	"X'10" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR93	"X'08" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR94	"X'04" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR95	"X'02" PROCESSOR RELATED MESSAGE
		.... ...1		CTXTR96	"X'01" PROCESSOR RELATED MESSAGE
12	(C)	BITSTRING	1	CTXTR013	THIRTEENTH BYTE OF ROUTING CODES
		1...		CTXTR97	"X'80" DEVICE RELATED MESSAGE
		.1..		CTXTR98	"X'40" DEVICE RELATED MESSAGE
		..1.		CTXTR99	"X'20" DEVICE RELATED MESSAGE
		...1		CTXTR100	"X'10" DEVICE RELATED MESSAGE
		.... 1...		CTXTR101	"X'08" DEVICE RELATED MESSAGE
		.... .1..		CTXTR102	"X'04" DEVICE RELATED MESSAGE
		.... ..1.		CTXTR103	"X'02" DEVICE RELATED MESSAGE
		.... ...1		CTXTR104	"X'01" DEVICE RELATED MESSAGE
13	(D)	BITSTRING	1	CTXTR014	FOURTEENTH BYTE OF ROUTING CODES
		1...		CTXTR105	"X'80" DEVICE RELATED MESSAGE
		.1..		CTXTR106	"X'40" DEVICE RELATED MESSAGE
		..1.		CTXTR107	"X'20" DEVICE RELATED MESSAGE
		...1		CTXTR108	"X'10" DEVICE RELATED MESSAGE
		.... 1...		CTXTR109	"X'08" DEVICE RELATED MESSAGE

CTXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		CTXTR110	"X'04" DEVICE RELATED MESSAGE
		.... .1.1		CTXTR111	"X'02" DEVICE RELATED MESSAGE
		.... ...1		CTXTR112	"X'01" DEVICE RELATED MESSAGE
14	(E)	BITSTRING	1	CTXTR015	FIFTEENTH BYTE OF ROUTING CODES
		1...		CTXTR113	"X'80" DEVICE RELATED MESSAGE
		.1.		CTXTR114	"X'40" DEVICE RELATED MESSAGE
		.1.		CTXTR115	"X'20" DEVICE RELATED MESSAGE
		.1.		CTXTR116	"X'10" DEVICE RELATED MESSAGE
		.... 1..		CTXTR117	"X'08" DEVICE RELATED MESSAGE
		.... .1..		CTXTR118	"X'04" DEVICE RELATED MESSAGE
		.... .1.1		CTXTR119	"X'02" DEVICE RELATED MESSAGE
		.... ...1		CTXTR120	"X'01" DEVICE RELATED MESSAGE
15	(F)	BITSTRING	1	CTXTR016	SIXTEENTH BYTE OF ROUTING CODES
		1...		CTXTR121	"X'80" DEVICE RELATED MESSAGE
		.1.		CTXTR122	"X'40" DEVICE RELATED MESSAGE
		.1.		CTXTR123	"X'20" DEVICE RELATED MESSAGE
		...1		CTXTR124	"X'10" DEVICE RELATED MESSAGE
		.... 1..		CTXTR125	"X'08" DEVICE RELATED MESSAGE
		.... .1..		CTXTR126	"X'04" DEVICE RELATED MESSAGE
		.... .1.1		CTXTR127	"X'02" DEVICE RELATED MESSAGE
		.... ...1		CTXTR128	"X'01" DEVICE RELATED MESSAGE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXTDESC	DESCRIPTOR CODES
0	(0)	BITSTRING	1	CTXTDC1	FIRST GROUP OF DESCRIPTOR CODES
		1...		CTXTDC01	"X'80" CODE 1 - System failure
		.1.		CTXTDC02	"X'40" CODE 2 - Immediate action
		.1.		CTXTDC03	"X'20" CODE 3 - Eventual action
		...1		CTXTDC04	"X'10" CODE 4 - System status
		.... 1..		CTXTDC05	"X'08" CODE 5 - Command response
		.... .1..		CTXTDC06	"X'04" CODE 6 - Job status
		.... .1.1		CTXTDC07	"X'02" CODE 7 - Task-related
		.... ...1		CTXTDC08	"X'01" CODE 8 - Out-of-line
1	(1)	BITSTRING	1	CTXTDC2	SECOND GROUP OF DESCRIPTOR CODES
		1...		CTXTDC09	"X'80" CODE 9 - Operator request
		.1.		CTXTDC10	"X'40" CODE 10 - RESERVED
		.1.		CTXTDC11	"X'20" CODE 11 - Critical eventual
		...1		CTXTDC12	"X'10" CODE 12 - Important info
		.... 1..		CTXTDC13	"X'08" CODE 13 - Prev automated

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXTFBCN	4-BYTE CONSOLE ID
0	(0)	BITSTRING	1	CTXTFBCL	CONSOLE CLASS
1	(1)	BITSTRING	3	CTXT_FBNAME	CONSOLE NUMBER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTXTPRFL	REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
0	(0)	CHARACTER	3	CTXTPF3B (0)	REQUEST FLAGS THREE BYTES
0	(0)	BITSTRING	1	CTXTPFB1	REQUEST FLAGS BYTE ONE
		1...		CTXTPCMT	"X'80" CHANGE THE MESSAGE TEXT
		.1.		CTXTPCRC	"X'40" CHANGE THE ROUTING CODE(S)
		.1.		CTXTPCDC	"X'20" CHANGE THE DESCRIPTOR CODE(S)
		...1		CTXTPQPC	"X'10" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1..		CTXTPQUN	"X'08" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		CTXTPQRC	"X'04" QUEUE BY ROUTING CODES ONLY
		.... .1.1		CTXTRSV7	"X'02" RESERVED (WAS CTXTPCCN)
		.... ...1		CTXTPPML	"X'01" PROCESS MINOR LINES
1	(1)	BITSTRING	1	CTXTPFB2	REQUEST FLAGS BYTE TWO
		1...		CTXTPDTM	"X'80" DELETE THE MESSAGE (NO HARDCOPY AND NO DISPLAY)
		.1.		CTXTPOMS	"X'40" OVERRIDE MPF SUPPRESSION IF BEING SUPPRESSED BY MPF
		.1.		CTXTPFHC	"X'20" FORCE HARDCOPY
		...1		CTXTPNHC	"X'10" FORCE NO HARDCOPY
		.... 1..		CTXTPHCO	"X'08" FORCE HARDCOPY ONLY
		.... .1..		CTXTPBCA	"X'04" BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
		.... .1.1		CTXTPBCN	"X'02" DO NOT BROADCAST MESSAGE TO ALL ACTIVE CONSOLES

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	.... .1	1	CTXTPNRT	"X'01" AMRF IS NOT TO RETAIN THIS MSG
		BITSTRING		CTXTPF3	REQUEST FLAGS BYTE THREE
		1.. .		CTXTPRET	"X'80" AMRF IS TO RETAIN THIS MSG
		.1. .		CTXTPCYK	"X'40" CHANGE THE RETRIEVAL KEY
		..1. .		CTXTPCFC	"X'20" CHANGE THE 4-BYTE CONSOLE ID
		...1 .		CTXTPCMF	"X'10" CHANGE THE MESSAGE TYPE FLAGS
		.... 1..		CTXTPANO	"X'08" AUTOMATION IS NOT REQUIRED AND ZERO TOKEN VALUE
		.... .1.		CTXTPAYS	"X'04" AUTOMATION IS REQUIRED AND UPDATE TOKEN VALUE
3	(3)	BITSTRING	1		RESERVED FOR COMM TASK USE
4	(4)	SIGNED	4	CTXTPRFS (0)	EXTENDED REQUEST FLAGS (FROM THE INSTALLATION EXIT TO THE SYSTEM)
		BITSTRING		1	CTXTPRF1	REQUEST FLAGS BYTE ONE
5	(5)	1.. .	1	CTXTPMRY	"X'80" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1. .		CTXTPMRN	"X'40" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		BITSTRING		1	CTXTPRF2	REQUEST FLAGS BYTE TWO
6	(6)	1.. .	1	CTXTPRF3	REQUEST FLAGS BYTE THREE
		.1. .		CTXTPSJL	"X'80" SUPPRESS FROM JOBLLOG
7	(7)	BITSTRING	1	CTXTPWTP	"X'40" NO WTP PROCESSING
				CTXTPRF4	REQUEST FLAGS BYTE FOUR

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CTXTCNME	
0	(0)	CHARACTER	8		CONSOLE NAME

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	CTXTCDAM	12-BYTE COMMON DATA MAPPING
0	(0)	CHARACTER	4		4 BYTES USER DATA AREA
4	(4)	CHARACTER	8	CTXTCUDA	8 BYTES USER DATA AREA

CTXT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CTXT	0		CTXTDC08	0	1
CTXT_FBNAME	1		CTXTDC09	1	80
CTXT_MSG_TO_BE_DELETED			CTXTDC1	0	
	2D	4	CTXTDC10	1	40
CTXT_OVERRIDE_DELETION			CTXTDC11	1	20
	32	1	CTXTDC12	1	10
CTXT_PROCESSED_BY_MFA			CTXTDC13	1	8
	2D	8	CTXTDC2	1	
CTXT_WTOR_MONITORED_BY_AUTOR			CTXTDESC	0	
	2D	2	CTXTDOMD	2E	80
CTXTACRN	0		CTXTEMCO	6C	20
CTXTASID	8E		CTXTEMHI	6C	10
CTXTATTR	0		CTXTEMIN	6C	8
CTXTAUTT	60		CTXTEMRN	6C	40
CTXTBLNK	7D	40	CTXTEMRY	6C	80
CTXTBLUE	7C	80	CTXTERFS	6C	
CTXTBNPF	2E		CTXTERF1	6C	
CTXTCART	50		CTXTERF2	6D	
CTXTCDAM	0		CTXTERF3	6E	
CTXTCIDA	2F	40	CTXTERF4	6F	
CTXTCNME	0		CTXTESJL	6E	80
CTXTCNMP	70		CTXTFBCL	0	
CTXTCOLR	7C		CTXTFCBN	0	
CTXTCUDA	4		CTXTFCNP	34	
CTXTCWKP	74		CTXTGREE	7C	10
CTXTDCLN	1E		CTXTHABD	2E	20
CTXTDCP	24		CTXTHILI	7D	
CTXTDC01	0	80	CTXTIHIG	7E	40
CTXTDC02	0	40	CTXTINOR	7E	80
CTXTDC03	0	20	CTXTINTN	7E	
CTXTDC04	0	10	CTXTIWKP	78	
CTXTDC05	0	8	CTXTJBNM	48	
CTXTDC06	0	4	CTXTKEY	40	
CTXTDC07	0	2	CTXTMCS	4	0

CTXT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CTXTMLID	15		CTXTROMS	31	40
CTXTMTYA	1A	80	CTXTROUT	0	
CTXTMTYB	1A	40	CTXTRPID	18	
CTXTMTYF	1A	4	CTXTRPML	30	1
CTXTMTYP	1A		CTXTRPYB	80	
CTXTMTY1	1A		CTXTRPYI	86	
CTXTMTY2	1B		CTXTRPYL	84	
CTXTNBEW	2E	40	CTXTRQPC	30	10
CTXTNOHI	7D	80	CTXTRQRC	30	4
CTXTNWTP	6E	40	CTXTRQUN	30	8
CTXTQJBID	90		CTXTRRET	32	80
CTXTPANO	2	8	CTXTRSV1	5	
CTXTPAYS	2	4	CTXTRSV2	14	
CTXTPBCA	1	4	CTXTRSV4	68	
CTXTPBCN	1	2	CTXTRSV5	7F	
CTXTPCDC	0	20	CTXTRSV7	0	2
CTXTPCFC	2	20	CTXTR001	0	
CTXTPCKY	2	40	CTXTR002	1	
CTXTPCMF	2	10	CTXTR003	2	
CTXTPCMT	0	80	CTXTR004	3	
CTXTPCRC	0	40	CTXTR005	4	
CTXTPDTM	1	80	CTXTR006	5	
CTXTPFB1	0		CTXTR007	6	
CTXTPFB2	1		CTXTR008	7	
CTXTPFB3	2		CTXTR009	8	
CTXTPFHC	1	20	CTXTR01	0	80
CTXTPF3B	0		CTXTR010	9	
CTXTPHCO	1	8	CTXTR011	A	
CTXTPINK	7C	20	CTXTR012	B	
CTXTPMRN	4	40	CTXTR013	C	
CTXTPMRY	4	80	CTXTR014	D	
CTXTPNHC	1	10	CTXTR015	E	
CTXTPNRT	1	1	CTXTR016	F	
CTXTPOMS	1	40	CTXTR02	0	40
CTXTPPML	0	1	CTXTR03	0	20
CTXTPQPC	0	10	CTXTR04	0	10
CTXTPQRC	0	4	CTXTR05	0	8
CTXTPQUN	0	8	CTXTR06	0	4
CTXTPREQ	38		CTXTR07	0	2
CTXTPRET	2	80	CTXTR08	0	1
CTXTPRFL	0		CTXTR09	1	80
CTXTPRFS	4		CTXTR10	1	40
CTXTPRF1	4		CTXTR100	C	10
CTXTPRF2	5		CTXTR101	C	8
CTXTPRF3	6		CTXTR102	C	4
CTXTPRF4	7		CTXTR103	C	2
CTXTPSJL	6	80	CTXTR104	C	1
CTXTPWTP	6	40	CTXTR105	D	80
CTXTRANO	32	8	CTXTR106	D	40
CTXTRAYS	32	4	CTXTR107	D	20
CTXTRBCA	31	4	CTXTR108	D	10
CTXTRBCN	31	2	CTXTR109	D	8
CTXTRCDC	30	20	CTXTR11	1	20
CTXTRCFC	32	20	CTXTR110	D	4
CTXTRCKY	32	40	CTXTR111	D	2
CTXTRCLN	1C		CTXTR112	D	1
CTXTRCMF	32	10	CTXTR113	E	80
CTXTRCMT	30	80	CTXTR114	E	40
CTXTRCNM	32	2	CTXTR115	E	20
CTXTRCP	20		CTXTR116	E	10
CTXTRCRC	30	40	CTXTR117	E	8
CTXTRC1B	30	2	CTXTR118	E	4
CTXTRDTM	31	80	CTXTR119	E	2
CTXTRED	7C	40	CTXTR12	1	10
CTXTREVD	7D	20	CTXTR120	E	1
CTXTRFB1	30		CTXTR121	F	80
CTXTRFB2	31		CTXTR122	F	40
CTXTRFB3	32		CTXTR123	F	20
CTXTRFHC	31	20	CTXTR124	F	10
CTXTRFLG	30		CTXTR125	F	8
CTXTRF3B	30		CTXTR126	F	4
CTXTRHCO	31	8	CTXTR127	F	2
CTXTRNHC	31	10	CTXTR128	F	1
CTXTRNRT	31	1	CTXTR13	1	8

CTXT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CTXTR14	1	4	CTXTR88	A	1
CTXTR15	1	2	CTXTR89	B	80
CTXTR16	1	1	CTXTR90	B	40
CTXTR17	2	80	CTXTR91	B	20
CTXTR18	2	40	CTXTR92	B	10
CTXTR19	2	20	CTXTR93	B	8
CTXTR20	2	10	CTXTR94	B	4
CTXTR21	2	8	CTXTR95	B	2
CTXTR22	2	4	CTXTR96	B	1
CTXTR23	2	2	CTXTR97	C	80
CTXTR24	2	1	CTXTR98	C	40
CTXTR25	3	80	CTXTR99	C	20
CTXTR26	3	40	CTXTSAUT	2D	40
CTXTR27	3	20	CTXTSBCA	2C	1
CTXTR28	3	10	CTXTSEQN	10	
CTXTR29	3	8	CTXTSFB1	2C	
CTXTR30	3	4	CTXTSFB2	2D	
CTXTR31	3	2	CTXTSFB4	2F	
CTXTR32	3	1	CTXTSFHC	2C	10
CTXTR33	4	80	CTXTSFLG	2C	
CTXTR34	4	40	CTXTSHCO	2C	4
CTXTR35	4	20	CTXTSNHC	2C	8
CTXTR36	4	10	CTXTSNMD	2D	20
CTXTR37	4	8	CTXTSQPC	2C	80
CTXTR38	4	4	CTXTSQUN	2C	40
CTXTR39	4	2	CTXTSRET	2D	80
CTXTR40	4	1	CTXTSRIS	2D	10
CTXTR41	5	80	CTXTSRSP	2C	2
CTXTR42	5	40	CTXTSSUP	2C	20
CTXTR43	5	20	CTXTSYSN	58	
CTXTR44	5	10	CTXTS212	4	1
CTXTR45	5	8	CTXTS220	4	2
CTXTR46	5	4	CTXTS410	4	3
CTXTR47	5	2	CTXTS422	4	4
CTXTR48	5	1	CTXTS720	4	9
CTXTR49	6	80	CTXTTFB1	4	
CTXTR50	6	40	CTXTTFB2	5	
CTXTR51	6	20	CTXTTFLG	4	
CTXTR52	6	10	CTXTTFMC	4	10
CTXTR53	6	8	CTXTTFMD	4	4
CTXTR54	6	4	CTXTTFME	4	2
CTXTR55	6	2	CTXTTFMJ	4	20
CTXTR56	6	1	CTXTTFML	4	8
CTXTR57	7	80	CTXTTFMV	4	1
CTXTR58	7	40	CTXTTFSL	4	80
CTXTR59	7	20	CTXTTFWR	4	40
CTXTR60	7	10	CTXTTLEN	0	
CTXTR61	7	8	CTXTTLMX	2	
CTXTR62	7	4	CTXTTMSG	6	
CTXTR63	7	2	CTXTTOKN	3C	
CTXTR64	7	1	CTXTTURQ	7C	8
CTXTR65	8	80	CTXTTXPJ	8	
CTXTR66	8	40	CTXTTXPN	C	
CTXTR67	8	20	CTXTUNDR	7D	10
CTXTR68	8	10	CTXTVERN	4	9
CTXTR69	8	8	CTXTVRSN	4	
CTXTR70	8	4	CTXTWHIT	7C	2
CTXTR71	8	2	CTXTYELO	7C	4
CTXTR72	8	1	CTXT1BCP	28	
CTXTR73	9	80			
CTXTR74	9	40			
CTXTR75	9	20			
CTXTR76	9	10			
CTXTR77	9	8			
CTXTR78	9	4			
CTXTR79	9	2			
CTXTR80	9	1			
CTXTR81	A	80			
CTXTR82	A	40			
CTXTR83	A	20			
CTXTR84	A	10			
CTXTR85	A	8			
CTXTR86	A	4			
CTXTR87	A	2			

CVT Information

CVT Programming Interface information

Programming Interface information

CVT

ONLY the following fields are part of the programming interface information:

- CVTABEND
- CVTAMFF
- CVTASMVT
- CVTASVT
- CVTBRET
- CVTBSM0F
- CVTCSD
- CVTCTLFG
- CVTDCB
- CVTDCPA
- CVTDFA
- CVTECVT
- CVTEDAT2
- CVTEXP1
- CVTFLAG2
- CVTFLAG3
- CVTFLAG5
- CVTFLGBT
- CVTGDA
- CVTGRSST
- CVTGVT
- CVTHID
- CVTIXAVL
- CVTJESCT
- CVTLCCAT
- CVTLDTO
- CVTLINK
- CVTLSO
- CVTMAXMP
- CVTMDL
- CVTOPCTP
- CVTOSLVL
- CVTOVER
- CVTPCCAT
- CVTPCNVT
- CVTPRLTV
- CVTPROD
- CVTPSXM
- CVTQTD00
- CVTQTE00
- CVTRAC
- CVTRCEP
- CVTRCZRT
- CVTRELNO
- CVTRI
- CVTRTMCT
- CVTSAF
- CVTSCPIN
- CVTSDBF
- CVTSDUMP
- CVTSMCA
- CVTSNAME
- CVTSUBSP
- CVTSVT
- CVTTPC
- CVTTVT
- CVTTX
- CVTTXC
- CVTTXTE
- CVTTZ
- CVTUCBSC
- CVTUNDVM
- CVTUSER
- CVTVERID
- CVTVFGET
- CVTVFIND
- CVTVPSIB
- CVTVWAIT
- CVT0EF00
- CVT0PT0E
- CVT0PT02
- CVT0PT03
- CVT0SCR1

End of Programming Interface information

CVT Heading Information • CVT Map

CVT Heading Information

Common Name: Communications Vector Table
Macro ID: CVT
DSECT Name: CVT(when DSECT=YES is coded and PREFIX=YES is not coded)
 CVTFIX(when DSECT=YES and PREFIX=YES is coded)
 CVTMAP(or name user coded in label field of CVT invocation)
 CVTVSTGX(DSECT name of virtual storage extension)
 CVTXTNT1(DSECT name of OS-OS/VS common extension)
 CVTXTNT2(DSECT name of OS/VS1-OS/VS2 common extension)
Owning Component: Common Macros (SC101)
Eye-Catcher ID: CVT
 Offset: 96
 Length: 4
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: Below 16M line
Size: Prefix: 256 bytes
 CVT: 1280 bytes
 Virtual storage address extension: 80 bytes
 OS - OS/VS common extension: 12 bytes
 OS/VS1 - OS/VS2 common extension: 132 bytes
Created by: IEAVCVT
Pointed to by: FLCCVT field of the PSA data area (location X'10')
 FLCCVT2 field of the PSA data area
 CVTSMEXT points to the Virtual address storage extension
 OS/VS - OS/VS extension is pointed to by CVTEXT1
 OS/VS1 - OS/VS2 extension is pointed to by CVTEXT2
Serialization: Based on the individual fields being referenced.
Function: The CVT provides the means by which non-nucleus-resident routines may refer to information in the nucleus of the control program. It contains addresses of other control blocks and tables used by the control program routines.

CVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
-256	(-100)	STRUCTURE	0	CVTFIX	- CVTMAP-256 - PREFIX
-256	(-100)	CHARACTER	216		- RESERVED
-40	(-28)	CHARACTER	16	CVTPROD (0)	- SYSTEM CONTROL PROGRAM PRODUCT LEVEL.
-40	(-28)	CHARACTER	8	CVTPRODN	PRODUCT NAME OF THE CONTROL PROGRAM, EX.(SP3.2). This is maintained for compatibility reasons only. The true product name version, release, and modification level information is in the ECVT (ECVTPNAM, PVER, PREL, PMOD). This can be considered a shorthand for the official name

Comment

For z/OS V2R1 (HBB7790), the value is SP7.2.1
 For z/OS R13 (HBB7780), the value is SP7.1.3
 For z/OS R12 (HBB7770), the value is SP7.1.2
 For z/OS R11 (HBB7760), the value is SP7.1.1
 For z/OS R10 (HBB7750), the value is SP7.1.0
 For z/OS R9 (HBB7740), the value is SP7.0.9
 For z/OS R8 (HBB7730), the value is SP7.0.8
 For z/OS R7.1 (JBB772S), the value is SP7.S.7
 For z/OS R7 (HBB7720), the value is SP7.0.7
 For z/OS R6.1 (JBB77S9), the value is SP7.S.6
 For z/OS R6 (HBB7709), the value is SP7.0.6
 For z/OS R5 (HBB7708), the value is SP7.0.5
 For z/OS R4 (HBB7707), the value is SP7.0.4
 For z/OS R3 (HBB7706), the value is SP7.0.3
 For z/OS R2 (HBB7705), the value is SP7.0.2
 For z/OS R1 (JBB7713), the value is SP7.0.1
 For OS/390 R10 (HBB7703), the value is SP6.1.0
 For OS/390 R9 (JBB6609), the value is SP6.0.9

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					For OS/390 R8 (HBB6608), the value is SP6.0.8
					For OS/390 R7 (JBB6607), the value is SP6.0.7
					For OS/390 R6 (HBB6606), the value is SP6.0.6
					For OS/390 R5 (HBB6605), the value is SP6.0.5
					For OS/390 R4 (JBB6604), the value is SP6.0.4
					For OS/390 R3 (HBB6603), the value is SP6.0.3
					For OS/390 R2 (JBB6602), the value is SP6.0.2
					For OS/390 R1 (HBB6601), the value is SP6.0.1
					For MVS/ESA SP5.2.2 (JBB5522) the value is SP5.2.2
					For MVS/ESA SPa.b.c the value is SPa.b.c
End of Comment					
-32	(-20)	CHARACTER	8	CVTPRODI	PRODUCT FMID IDENTIFIER FOR THE CONTROL PROGRAM, EX.(JBB1328).
-24	(-18)	CHARACTER	16	CVTVERID	OPTIONAL USER PERSONALIZATION OF SOFTWARE SYSTEM VERSION. (MDC415)
-8	(-8)	SIGNED	2		- RESERVED
-6	(-6)	CHARACTER	2	CVTMDL	- CPU NUMBER IN SIGNLESS PACKED DECIMAL, I.E., A 3090 PROCESSOR WOULD APPEAR AS X'3090'
-4	(-4)	CHARACTER	4	CVTRELNO (0)	- RELEASE NUMBER (EBCDIC)
-4	(-4)	CHARACTER	2	CVTNUMB	- RELEASE NUMBER YM2188
-2	(-2)	CHARACTER	2	CVTLEVEL	- LEVEL NUMBER OF THIS RELEASE YM2188
Comment					
END OF CVT PREFIX					
THE FOLLOWING LINE ESTABLISHES THE HIGHEST DEGREE OF ALIGNMENT					
REQUIRED IN CVT PROPER, SO THAT THE BOUNDARY ALIGNMENT IS NOT					
DETERMINED BY THE ENDING OFFSET OF THE PRECEDING SECTION					
End of Comment					
0	(0)	DBL WORD	8	(0)	- ESTABLISHES ALIGNMENT
0	(0)	X'100'	0	CVTMAP	*** - CVTPTR CONTENT POINTS HERE
0	(0)	ADDRESS	4	CVTTCPB	"V(IEATCBP)" - Address of PSATNEW.
4	(4)	ADDRESS	4	CVT0EF00	"V(IEA0EF00)" - ADDRESS OF ROUTINE TO SCHEDULE ASYNCHRONOUS EXITS
8	(8)	ADDRESS	4	CVTLINK	"V(IEFLINK)" - ADDRESS OF DCB FOR SYS1.LINKLIB DATA SET. UPDATED BY CONTENTS SUPERVISION RIM. OWNERSHIP: CONTENTS SUPERVISION.
12	(C)	ADDRESS	4	CVTAUSCB	"V(IEFAUSDM)" - ADDRESS OF ASSIGN/UNASSIGN SERVICE DATA MODULE.
16	(10)	ADDRESS	4	CVTBUF	- ADDRESS OF THE BUFFER OF THE RESIDENT CONSOLE INTERRUPT ROUTINE
20	(14)	ADDRESS	4	CVTXAPG	"V(IECXAPG)" - ADDRESS OF I/O SUPERVISOR APPENDAGE VECTOR TABLE
24	(18)	ADDRESS	4	CVT0VL00	"V(IEA0VL00)" - ADDRESS OF ENTRY POINT OF THE TASK SUPERVISOR'S ADDRESS VALIDITY CHECKING ROUTINE
28	(1C)	ADDRESS	4	CVTPCNVT	"V(IEPCNVT)" - ADDRESS OF ENTRY POINT OF THE ROUTINE WHICH CONVERTS A RELATIVE TRACK ADDRESS (TTR) TO AN ABSOLUTE TRACK ADDRESS (MBBCCHHR)
32	(20)	ADDRESS	4	CVTPRLTV	"V(IECPRLTV)" - ADDRESS OF ENTRY POINT OF THE ROUTINE WHICH CONVERTS AN ABSOLUTE TRACK ADDRESS (MBBCCHHR) TO A RELATIVE TRACK ADDRESS (TTR)
36	(24)	ADDRESS	4	CVTLLCB	"V(CSVLLCB)" - ADDRESS OF THE LLCB.
40	(28)	ADDRESS	4	CVTLLTRM	"V(CSVLLTRM)" - ADDRESS OF LLA'S MEMORY TERMINATION RESOURCE MANAGER.
44	(2C)	ADDRESS	4	CVXTLER	"V(IECXTLER)" - ADDRESS OF ERROR RECOVERY PROCEDURE (ERP) LOADER (IECVERPL) ENTRY POINT IECXTLER (MDC349)
48	(30)	ADDRESS	4	CVTSYSAD	- UCB ADDRESS FOR THE SYSTEM RESIDENCE VOLUME (MDCXXX)
52	(34)	ADDRESS	4	CVTBTERM	"V(IEAVTRG1)" - ADDRESS OF ENTRY POINT OF THE ABTERM ROUTINE @(DCR854)
56	(38)	SIGNED	4	CVTDATE	- CURRENT DATE IN PACKED DECIMAL
60	(3C)	ADDRESS	4	CVTMSLT	"V(IEEMSER)" - ADDRESS OF THE MASTER COMMON AREA IN MASTER SCHEDULER RESIDENT DATA AREA. NOTE - USE CVTMSER INSTEAD TO ADDRESS MASTER SCHEDULER RESIDENT DATA AREA
64	(40)	ADDRESS	4	CVTZDTAB	- ADDRESS OF I/O DEVICE CHARACTERISTIC TABLE
68	(44)	ADDRESS	4	CVTXITP	"V(IECXITP)" - ADDRESS OF ERROR INTERPRETER ROUTINE
72	(48)	ADDRESS	4	CVT0EF01	"V(IEA0EF01)" ENTRY POINT IN STAGE II EXIT EFFECTOR USED BY SCHEDXIT MACRO
76	(4C)	SIGNED	4	CVTVPRM (0)	VECTOR PARAMETERS
76	(4C)	SIGNED	2	CVTVSS	VECTOR SECTION SIZE
78	(4E)	SIGNED	2	CVTVPSM	VECTOR PARTIAL SUM NUMBER
80	(50)	SIGNED	2	CVTEXIT	- AN SVC 3 INSTRUCTION. EXIT TO DISPATCHER
82	(52)	SIGNED	2	CVTBRET	- A BR 14 INSTRUCTION. RETURN TO CALLER (USED BY DATA MANAGEMENT ROUTINES)

CVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	ADDRESS	4	CVTSVDCB	"V(IEASVDCB)" - ADDRESS OF THE DCB FOR THE SYS1.SVCLIB DATA SET
88	(58)	ADDRESS	4	CVTTPC	"V(IEATPC)" - ADDRESS OF THE TIMER SUPERVISOR WORK AREA
92	(5C)	SIGNED	4	CVTFLGCS (0)	- Flags set by CS
92	(5C)	BITSTRING	1	CVTFLGC0	- Flags
		1...		CVTMULNF	"X'80" - For users of IFAUSAGE, REQUEST=FUNCTIONxxx calls need not be done. This correlates to the NOMULCFUNC parameter in SMFPRMxx
93	(5D)	BITSTRING	1	CVTFLGC1	- Flags
94	(5E)	SIGNED	2	CVTICPID	- IPL'ED CPU PHYSICAL ID
96	(60)	CHARACTER	4	CVTCVT	- CVT ACRONYM IN EBCDIC (EYE-CATCHER)
100	(64)	ADDRESS	4	CVTCUCB	"V(IEECUCB)" - ADDRESS OF THE UNIT CONTOL MODULE (UCM)
104	(68)	ADDRESS	4	CVTQTE00	"V(IEAQTE00)" - ADDRESS OF THE TIMER ENQUEUE ROUTINE FOR INTERVAL TIMER
108	(6C)	ADDRESS	4	CVTQTD00	"V(IEAQTD00)" - ADDRESS OF THE TIMER DEQUEUE ROUTINE FOR INTERVAL TIMER
112	(70)	ADDRESS	4	CVTSTB	- ADDRESS OF THE I/O DEVICE STATISTICS TABLE
116	(74)	BITSTRING	1	CVTDCB	- OPERATING SYSTEM FOR S/370-XA MODE EXECUTION, CVTMVSE, CVT4MS1, CVT0SEXT, CVT6DAT, AND CVTMVS2 ARE SET ON AT CVT CREATION
		1...		CVTMVSE	"X'80" - S/370-XA MODE EXECUTION
		.1.		CVT1SSS	"X'40" - OPTION 1 (PCP) SSS. ALSO, LANGUAGE COMPILERS MAY USE THIS BIT TO DETERMINE IF THEY ARE RUNNING UNDER OS OR VM (WILL BE 0 FOR OS).
		..1.		CVT2SPS	"X'20" - OPTION 2 (MFT) SPS, OS/VS1, VSE
		...1		CVT4MS1	"X'10" - OPTION 4 (MVT) MS1, OS/VS2
		.... 1..		CVT0SEXT	"X'08" - INDICATOR THAT THE CVTOSLVL AREA IS PRESENT AND MAY BE REFERENCED.
		.... .1.		CVT4MPS	"X'04" - MODEL 65 MULTIPROCESSING
		.... ..1.		CVT6DAT	"X'02" - DYNAMIC ADDRESS TRANSLATION BY CPU (OS/VS1, OS/VS2)
		.... ...1		CVTMVS2	"X'01" - MULTIPLE MEMORY OPTION OF OS/VS2 IS PRESENT MDC131
116	(74)	X'12'	0	CVT8AOS2	"CVT4MS1+CVT6DAT" - OS/VS2 SYSTEM
117	(75)	ADDRESS	3	CVTDCBA	"VL3(IFBDCB)" - ADDRESS OF THE DCB FOR THE SYS1.LOGREC (OUTBOARD RECORDER) DATA SET FOR SYSTEM ENVIRONMENT RECORDING (SER)
120	(78)	SIGNED	4	CVTSV76M	- SVC 76 MESSAGE COUNT FIELD (OS/VS2) (MDC372)
124	(7C)	ADDRESS	4	CVTIXAVL	"V(IECIXAVL)" - ADDRESS OF THE I/O SUPERVISOR'S FREELIST POINTER WHICH CONTAINS THE ADDRESS OF THE NEXT REQUEST ELEMENT (OS/VS1) ADDRESS OF THE I/O SUPERVISOR'S COMMUNICATION AREA (IOCOM) (OS/VS2)
128	(80)	ADDRESS	4	CVTNUCB	- RESERVED (MDCXXX)
132	(84)	ADDRESS	4	CVTFBOSV	"V(IEWFBOSV)" - ADDRESS OF PROGRAM FETCH ROUTINE
136	(88)	ADDRESS	4	CVT0DS	"V(IEA0DS)" - ADDRESS OF ENTRY POINT OF THE DISPATCHER
140	(8C)	ADDRESS	4	CVTECVT	"V(IEAECVT)" - POINTER TO THE EXTENDED CVT
144	(90)	ADDRESS	4	CVTDAIRX	- ADDRESS OF THE 31- BIT ENTRY POINT OF IKJDAIR, TSO DYNAMIC ALLOCATION INTERFACE ROUTINE.
148	(94)	ADDRESS	4	CVTMSER	"V(IEEMSER)" - ADDRESS OF DATA AREA OF MASTER SCHEDULER RESIDENT DATA AREA
152	(98)	ADDRESS	4	CVT0PT01	"V(IEA0PT01)" - ADDRESS OF BRANCH ENTRY POINT OF POST ROUTINE
156	(9C)	ADDRESS	4	CVTTVT	- ADDRESS OF TSO VECTOR TABLE
160	(A0)	SIGNED	4	CVT040ID	- IFB040I WTO MESSAGE ID. OWNERSHIP: OUTBOARD RECORDING (OBR). SERIALIZATION: COMPARE AND SWAP.
164	(A4)	BITSTRING	4	CVTMZ00	- HIGHEST ADDRESS IN VIRTUAL STORAGE FOR THIS MACHINE @ (PCC0178)
168	(A8)	ADDRESS	4	CVT1EF00	- ADDRESS OF ROUTINE WHICH CREATES IRB'S FOR EXITS
172	(AC)	ADDRESS	4	CVTQOCR	- GRAPHICS INTERFACE TASK (GFX) FIELD. ADDRESS OF SEVENTH WORD OF GFX PARAMETER LIST, IF GFX IS ACTIVE. ZERO IF GFX IS NOT ACTIVE
176	(B0)	ADDRESS	4	CVTQMWR	"V(IEFQMWR)" - ADDRESS OF THE ALLOCATION COMMUNICATION AREA (MAPPED BY IEFZB432) - CONTAINS THE ADDRESSES OF SERVICE ROUTINES AND THE CHAIN OF MOUNT AND VERIFY COMMUNICATION AREAS.
180	(B4)	SIGNED	2	CVTSNCTR	- SERIAL NUMBER COUNTER FOR ASSIGNING SERIAL NUMBERS TO NON-SPECIFIC, UNLABELED MAGNETIC TAPE VOLUMES
182	(B6)	BITSTRING	1	CVTOPTA	- OPTION INDICATORS
		1...		CVTCCH	"X'80" - CHANNEL CHECK HANDLER (CCH) OPTION PRESENT - RECOVERY MANAGEMENT SUPPORT (RMS) XM4686
		.1.		CVTAPR	"X'40" - ALTERNATE PATH RETRY (APR) OPTION PRESENT - RECOVERY MANAGEMENT SUPPORT (RMS)
		..1.		CVTDDR	"X'20" - DYNAMIC DEVICE RECONFIGURATION (DDR) OPTION PRESENT - RECOVERY MANAGEMENT SUPPORT (RMS) (OS/VS1) DDR SYSTEM-INITIATED SWAP ACTIVE (OS/VS2) MDC126
		...1		CVTNIP	"X'10" - NIP IS EXECUTING
		.... .1.		CVT121TR	"X'04', 'C'X" - DO NOT TRANSLATE EXCP V=R.
		.... ..1.		CVTASCII	"X'02" - ASCII TAPE PROCESSING IS GENERATED IN THIS SYSTEM
		.... ...1		CVTXPPF	"X'01" - CPU HAS EXTENDED PRECISION FLOATING POINT FEATURE

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
183	(B7)	BITSTRING 1... .... .1.	1	CVTOPTB CVTPROT CVTCTIMS	- MISCELLANEOUS FLAGS "X'80" - CPU HAS STORE PROTECTION FEATURE (OS/VS1) "X'40" - IF ON, HARDWARE HAS THE CLOCK COMPARATOR AND CPU TIMER FEATURE INSTALLED, AND OS/VS1 SYSGEN HAS SPECIFIED THIS FEATURE (OS/VS1) MDC127
		..1. .... ...1		CVTTOD CVTNLOG	"X'20" - CPU HAS TIME-OF-DAY CLOCK FEATURE "X'10" - SYS1.LOGREC IS UNAVAILABLE FOR ERROR RECORDING. ALWAYS SET TO ZERO FOR OS/VS1. MDC127
		.... 1..		CVTAPTHR	"X'08" - NIP SETS THIS BIT TO 1 WHEN DEVICE TESTING IS COMPLETE. IF 1, I/O SUPERVISOR USES AN ALTERNATE PATH TO A DEVICE WHEN A CONDITION CODE OF 3 EXISTS. THIS BIT IS RESET TO 0 BY NIP AFTER THE LINK PACK AREA IS INITIALIZED. YM2670
		.... .1. .... .1. .... ...1		CVTFP CVTVS1A CVTVS1B	"X'04" - CPU HAS FETCH PROTECTION FEATURE (OS/VS1) ICB427 "X'02" - VS1 ASSIST IS AVAILABLE FOR USE (OS/VS1) (MDC353) "X'01" - VS1 ASSIST SUBSET IS AVAILABLE FOR USE (OS/VS1) (MDC365)
184	(B8)	ADDRESS	4	CVTQCDSR	"V(IEAQCDJR)" - CDE SEARCH ROUTINE ADDRESS (OS/VS2)
188	(BC)	ADDRESS	4	CVTQLPAQ	"V(IEAQLPAQ)" - ADDRESS OF POINTER TO MOST RECENT ENTRY ON LINK PACK AREA CDE QUEUE (OS/VS2)
192	(C0)	ADDRESS	4	CVTENFCT	"V(IEFENFDM)" EVENT NOTIFICATION CONTROL TABLE (MDC409)
196	(C4)	ADDRESS	4	CVTSMCA	- ADDRESS OF THE SYSTEM MANAGEMENT CONTROL AREA (SMCA) IF THE SYSTEM MANAGEMENT FACILITIES (SMF) OPTION IS PRESENT IN THE SYSTEM. OTHERWISE, ZERO.
200	(C8)	ADDRESS	4	CVTABEND	"V(IEABEND)" - ADDRESS OF SECONDARY CVT FOR ABEND IN EOT (OS/VS2)
204	(CC)	ADDRESS	4	CVTUSER	- A WORD AVAILABLE TO THE USER
208	(D0)	ADDRESS	4	CVTMDLDS	- RESERVED FOR MODEL-DEPENDENT SUPPORT
212	(D4)	SIGNED	2	CVTQABST	- AN SVC 13 (ABEND) INVOCATION (OS/VS2)
214	(D6)	SIGNED	2	CVTLNKSC	- AN SVC 6 (LINK) INVOCATION
216	(D8)	ADDRESS	4	CVTTSCE	- ADDRESS OF THE FIRST TIME SLICE CONTROL ELEMENT (TSCE)
220	(DC)	ADDRESS	4	CVTPATCH	"V(IEAPATCH)" - ADDRESS OF A 200-BYTE FE PATCH AREA
224	(E0)	ADDRESS	4	CVTRMS	"V(IGFRVT)" - RECOVERY MANAGEMENT SUPPORT (RMS) COMMUNICATIONS VECTOR. ADDRESS OF A MACHINE STATUS BLOCK.
228	(E4)	ADDRESS	4	CVTSPDME	- SERVICE PROCESSOR DAMAGE MONITOR ECB.
232	(E8)	ADDRESS	4	CVT0SCR1	"V(IEC0SCR1)" - ADDRESS OF THE SECTOR CALCULATION ROUTINE FOR ROTATIONAL POSITION SENSING (RPS)
236	(EC)	ADDRESS	4	CVTGTTF (0)	- GENERALIZED TRACE FACILITY (GTF) CONTROL WORD ICB312
236	(EC)	ADDRESS 1...	1	CVTGFST CVTGTFAV	- GTF FLAG BYTES ICB312 "X'80" - IF ZERO, GTF NOT ACTIVE. IF ONE, GTF ACTIVE. (OS/VS2) MDC098
		.1.		CVTSPD	"X'40" - SERVICE PROCESSOR DAMAGE. (1) INDICATES DAMAGE. (0) INDICATES NO DAMAGE.
		..1.		CVTWSRPR	"X'20" - WAITING FOR SERVICE PROCESSOR RESPONSE. (1) INDICATES OUTSTANDING REQUEST. (0) INDICATES NO OUTSTANDING REQUEST.
		.... .1.		CVTUSR	"X'04" - TRACE=USR SPECIFIED. USER-REQUESTED TRACE DATA IS TO BE INCLUDED IN THE TRACE DATA SET. (MDC317)
		.... ..1.		CVTRNIO	"X'02" - GTF IS ACTIVE AND TRACING RNIO EVENTS MDC187
237	(ED)	ADDRESS	3	CVTGTFA	"VL3(AHLHEAD)" -ADDRESS OF MAIN MONITOR CALL ROUTING TABLE, MCHEAD (OS/VS2) MDC156
240	(F0)	ADDRESS	4	CVTAQAVT (0)	- ADDRESS OF THE FIRST WORD OF THE TCAM DISPATCHER WHICH CONTAINS THE ADDRESS OF THE ADDRESS VECTOR TABLE (AVT). IF ZERO, TCAM IS NOT STARTED.
240	(F0)	BITSTRING 1... .... .1. .... ..1.	1	CVTTCMFG CVTTCRDY CVTLDEV CVTNWTCM	- TCAM FLAGS "X'80" - TCAM IS READY TO ACCEPT USERS "X'40" - LOCAL DEVICE ATTACHED TO TCAM (MDC357) "X'20" - MULTIPLE TCAM FEATURE ACTIVE.
241	(F1)	ADDRESS	3	CVTAQAVB	- SAME AS CVTAQAVT ABOVE
244	(F4)	BITSTRING 1...	1	CVTFLAG5 CVTZ1	Flags, refreshed upon error, set during NIP and never changed "X'80" Z1
245	(F5)	BITSTRING	1	CVTFLAG6	More flags
246	(F6)	BITSTRING	1	CVTFLAG7	More flags
247	(F7)	BITSTRING	1	CVTFLAG8	More flags
248	(F8)	ADDRESS	4	CVTSAF	- ADDRESS OF ROUTER VECTOR TABLE. @(PCC0549)
252	(FC)	ADDRESS	4	CVTEXT1	- ADDRESS OF OS - OS/VS COMMON EXTENSION ICB421
256	(100)	ADDRESS	4	CVTCBSP	- ADDRESS OF ACCESS METHOD CONTROL BLOCK STRUCTURE MDC195
260	(104)	ADDRESS	4	CVTPURG (0)	- ADDRESS OF SUBSYSTEM PURGE ROUTINE ICB330
260	(104)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTPURG
261	(105)	ADDRESS	3	CVTPURGA	- ADDRESS OF SUBSYSTEM PURGE EXTENSION ICB330
264	(108)	BITSTRING	4	CVTAMFF	- RESERVED FOR ACCESS METHOD FLAGS ICB436
268	(10C)	ADDRESS	4	CVTQMSG	"V(IEAVMSG)" - ADDRESS OF INFORMATION TO BE PRINTED BY ABEND. @(PCC0521)
272	(110)	ADDRESS	4	CVTDMSR (0)	- SAME AS CVTDMSRA BELOW ICB346

CVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
272	(110)	BITSTRING	1	CVTDMSRF	- OPEN/CLOSE/EOV FLAG BYTE. SETTING BOTH BIT 0 AND BIT 1 ON WILL CAUSE BOTH KINDS OF DUMPS TO BE TAKEN. THESE BITS ARE USED DURING TESTING AND DEBUGGING WHEN OTHER DEBUG METHODS ARE INEFFECTIVE. (OS/VS2) (MDC350)
		1...		CVTSDUMP	"X'80" - SET BY COREZAP. WILL CAUSE AN SDUMP TO BE TAKEN AND IEC999I MESSAGE ISSUED FOR EVERY ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR DADSM FUNCTION. (OS/VS2) (MDC351)
		.1..		CVTUDUMP	"X'40" - SET BY COREZAP. WILL CAUSE AN ABEND DUMP TO BE TAKEN FOR EVERY ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR DADSM FUNCTION. (OS/VS2) (MDC352)
273	(111)	ADDRESS	3	CVTDMSRA	- ADDRESS OF THE OPEN/CLOSE/EOV SUPERVISORY ROUTINE IN THE NUCLEUS. THIS ROUTINE HANDLES THE ROUTING OF CONTROL AMONG THE I/O SUPPORT ROUTINES. ICB346
276	(114)	ADDRESS	4	CVTSFR	"V(IEAVTSFR)" - ADDRESS OF SETFRR ROUTINE (IEAVTSFR) (MDC414)
280	(118)	ADDRESS	4	CVTGXL	"V(CSVMEM)" - ADDRESS OF CONTENTS SUPERVISION MEMORY TERMINATION ROUTINE OWNERSHIP - CONTENTS SUPERVISION.
284	(11C)	ADDRESS	4	CVTREAL	- ADDRESS OF THE VIRTUAL STORAGE BYTE FOLLOWING THE HIGHEST V=R STORAGE ADDRESS. @(PCC1294)
288	(120)	ADDRESS	4	CVTPTRV	"V(IEAPTRV)" - ADDRESS OF PAGING SUPERVISOR GENERAL ROUTINE TO TRANSLATE 24 BIT REAL ADDRESSES TO VIRTUAL ADDRESSES.
292	(124)	ADDRESS	4	CVTIHVP	- POINTER TO IHV\$COMM. INITIALIZED TO ZERO. OWNER: IHV/DATA HANDLER. SET BY: IHVSTRM. SERIALIZATION: NONE.
296	(128)	ADDRESS	4	CVTJESCT	"V(IEFJESCT)" - ADDRESS OF JOB ENTRY SUBSYSTEM (JES) CONTROL TABLE ICB342
300	(12C)	BITSTRING	4	CVTRS12C	- RESERVED
304	(130)	SIGNED	4	CVTTZ	- Difference between local time and UTC (Coordinated Universal Time) in binary units of 1.048576 seconds. Contains the same value as CVTLDTOL. CVTLDTO (which contains CVTLDTOL) has this difference to a finer degree of accuracy.
308	(134)	ADDRESS	4	CVTMCHPR	- ADDRESS OF MACHINE CHECK PARAMETER LIST
312	(138)	ADDRESS	4	CVTEORM	- POTENTIAL REAL HIGH STORAGE ADDRESS. ONLY VALID PRE-z/Architecture. (SEE ECVTEORM IN IHAECVT).
316	(13C)	ADDRESS	4	CVTPTRV3	"V(IEAVTRV3)" - ADDRESS OF PAGING SUPERVISOR ROUTINE TO TRANSLATE REAL ADDRESSES WHICH MAY EXCEED 24 BITS TO VIRTUAL ADDRESSES.
320	(140)	ADDRESS	4	CVTLKRM	"V(IEAVLKRM)" ADDRESS OF CML LOCK RESOURCE MANAGER
324	(144)	ADDRESS	4	CVTAPF (0)	- SAME AS CVTAPFA BELOW ICB360
324	(144)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTAPF
325	(145)	ADDRESS	3	CVTAPFA	"VL3(IEAVTEST)" ADDRESS OF BRANCH ENTRY POINT IN AUTHORIZED PROGRAM FACILITY (APF) ROUTINE
328	(148)	ADDRESS	4	CVTEXT2 (0)	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB330
328	(148)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTEXT2
329	(149)	ADDRESS	3	CVTEXT2A	SAME AS CVTEXT2 ABOVE ICB330
332	(14C)	ADDRESS	4	CVTHJES (0)	- SAME AS CVTHJESA BELOW ICB454
332	(14C)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTHJES
333	(14D)	ADDRESS	3	CVTHJESA	- ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) COMMUNICATION VECTOR TABLE ICB454
336	(150)	BITSTRING	4	CVTRSTW2 (0)	- STATUS DATA FOR RESTART FLIH OWNERSHIP: RESTART FLIH SERIALIZATION: RESTART RESOURCE
336	(150)	BITSTRING	1	CVTRS150	- Reserved. Was CVTRSTCP: LOGICAL CPU ADDRESS OF TARGET OF RESTART.
337	(151)	BITSTRING	1	CVTRSTRS	- RESTART REASON.
338	(152)	SIGNED	2	CVTRCP2B	- Logical CPU address of target of the restart.
340	(154)	CHARACTER	8	CVTSNAME	SYSTEM NAME FOR CURRENT SYSTEM. OWNERSHIP: IPL/NIP. SERIALIZATION: NONE. @(PCC0452)
348	(15C)	ADDRESS	4	CVTGETL	- ADDRESS OF IKJGETL, TSO GET LINE ROUTINE (MDC206) YM2225
352	(160)	ADDRESS	4	CVTLPDSR	"V(IEAVVMSR)" - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY SEARCH ROUTINE
356	(164)	ADDRESS	4	CVTPVTP	"V(IARMPVT)" - ADDRESS OF PAGE VECTOR TABLE
360	(168)	ADDRESS	4	CVTLPDIA (0)	- ADDRESS OF LINK PACK AREA (LPA) DIRECTORY (ON PAGE BOUNDARY)
360	(168)	BITSTRING	1	CVTDIRST	- FLAG BYTE
		1...		CVTDICOM	"X'80" - LPA DIRECTORY HAS BEEN INITIALIZED BY NIP
361	(169)	ADDRESS	3	CVTLPDIR	- ADDRESS OF LINK PACK AREA (LPA) DIRECTORY (ON PAGE BOUNDARY)
364	(16C)	ADDRESS	4	CVTRCB	- ADDRESS OF THE RECORD BUFFER'S CONTROL BLOCK
368	(170)	BITSTRING	4	CVTRS170	- RESERVED
372	(174)	CHARACTER	4	CVTSLIDA (0)	- IDENTITY OF TCB CAUSING SUPERVISOR LOCK BYTE (CVTSYLK) TO BE SET OR IDENTITY OF TCB THAT SECOND EXIT PROCESSING IS FOR WHEN CVTSEIC=1
372	(174)	BITSTRING	1	CVTSYLK	- SUPERVISOR LOCK. ONLY ENABLED TASKS MAY BE DISPATCHED
		1111 1111		CVTSYLKS	"X'FF" - SET LOCK BYTE
		.... ....		CVTSYLKR	"X'00" - RESET LOCK BYTE
373	(175)	ADDRESS	3	CVTSLID	- SAME AS CVTSLIDA ABOVE
376	(178)	SIGNED	4	CVTFLAGS (0)	- SYSTEM GLOBAL FLAGS

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
376	(178)	BITSTRING 1...	1	CVTFLAG1	- FLAG BYTE
				CVTRSMWD	"X'80" - IF ONE REAL STORAGE MANAGER WINDOW WAS BUILT, INITIALIZED BY NIP.
		.1.	1	CVTSVPRC	"X'40" - SERVICE PROCESSOR ARCHITECTURE SUPPORTED.
				CVTCUSE	"X'20" - CUSE. SET BY NIP
		...1	1	CVTMVPG	"X'10" - IF ONE, MOVEPAGE CAPABILITY IS PRESENT ON THIS SYSTEM. INITIALIZED BY NIP
				CVTOVER	"X'08" - SUBPOOL OVERRIDE IS SUPPORTED. INITIALIZED BY NIP.
		.... 1...	1	CVTCSTR	"X'04" - IF ONE, CSTRING FACILITY IS PRESENT ON THIS SYSTEM. INITIALIZED BY NIP.
				CVTSUBSP	"X'02" - IF ONE, SUBSPACE FACILITY IS PRESENT ON THIS SYSTEM. INITIALIZED BY NIP.
		.... ...1	1	CVTKPAR	"X'01" - RESERVED FOR USE BY RTM ONLY. OWNERSHIP: RTM SERIALIZATION: NONE.
377	(179)	BITSTRING 1...	1	CVTFLAG2	- FLAG BYTE
				CVTCMPSC	"X'80" - IF ONE, INDICATES PRESENCE OF MVS COMPRESSION/EXPANSION SERVICE. INITIALIZED ON. OWNERSHIP: CALLABLE SERVICES. SERIALIZATION: NONE.
		.1.	1	CVTCMPSH	"X'40" - IF ONE, INDICATES PRESENCE OF CMPSC COMPRESSION/EXPANSION HARDWARE INSTRUCTION SET BY NIP. OWNERSHIP: CALLABLE SERVICES. SERIALIZATION: NONE (UNCHANGED AFTER NIP).
				CVTSOPF	"X'20" - IF ONE, INDICATES PRESENCE OF THE SUPPRESSION-ON-PROTECTION HARDWARE FACILITY. SET BY NIP. OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: NONE (UNCHANGED AFTER NIP).
		...1	1	CVTBFPH	"X'10" - If one, indicates presence of BFP hardware instruction set. Set by NIP. Ownership: Supervisor. SerIALIZATION: None (unchanged after NIP).
				CVTPER2	"X'08" - If one, indicates presence of PER2 hardware on all CPUs Set by NIP. Ownership: Supervisor. SerIALIZATION: None (unchanged after NIP).
		.... 1...	1	CVTIQD	"X'04" - If one, indicates that Internal Queued Direct Communications is supported. Set by IOS during NIP. Ownership: IOS SerIALIZATION: None (unchanged after NIP).
				CVTALR	"X'02" - If one, indicates ASN and LX Reuse Architecture is enabled. Set by NIP. Ownership: Supervisor. SerIALIZATION: None (unchanged after NIP).
		.... ...1	1	CVTEDAT	"X'01" - If one, indicates that the Enhanced DAT Architecture is available Set by NIP. Ownership: Supervisor. SerIALIZATION: None (unchanged after NIP).
378	(17A)	BITSTRING 1... 1...	1	CVTFLAG3	- FLAG BYTE refreshed upon error, set during NIP and never changed
				CVTESAME	"X'80" -
				CVTZARCH	"X'80" - If one, indicates presence of z/Architecture hardware. Note that it is often simpler to check if PSA field FLCARCH is non-zero to determine this. Set by NIP. Ownership: Supervisor. SerIALIZATION: None (unchanged after NIP).
379	(17B)	BITSTRING 1... .... .1.	1	CVTFLAG4	- FLAG BYTE
				CVTP001I	"X'80" If one, indicates that P001 support is installed
		.1.	1	CVTP001A	"X'40" If one, indicates that the system is in P001_Active mode Ownership: IPL/NIP SerIALIZATION: SALLOC
				CVTZNALC	"X'20" zNALC
		...1	1	CVTDCPA	"X'10" Dynamic CPU Addition is enabled
				CVTTX	"X'08" TX support is enabled
		.... 1...	1	CVTP002	"X'08" P002 support is enabled
				CVTTXC	"X'04" TXC support is enabled
		.... .1..	1	CVTP002C	"X'04" P002C support is enabled
				CVTRI	"X'02" RI support is enabled
.... ...1	1	CVTEDAT2	"X'01" EDAT2 is enabled		
		CVTRT03	"V(IEAVRT03)" - ADDRESS OF SRB TIMING INITIALIZATION MODULE. (MDC406)		
384	(180)	BITSTRING	8	CVTRS180	- RESERVED
392	(188)	ADDRESS	4	CVTEXSNR	"V(IEEVXSN)" - ADDRESS OF EXCESSIVE SPIN NOTIFICATION ROUTINE (MDC386)
396	(18C)	BITSTRING	1	CVTEXSNL	- SERIALIZATION BYTE FOR EXCESSIVE SPIN NOTIFICATION ROUTINE (MDC387)
397	(18D)	ADDRESS	1	CVTSPVLK	- NUMBER OF TASKS WHICH HAVE TERMINATED WHILE OWNING SUPERVISOR LOCK WITHOUT OPERATOR HAVING YET BEEN NOTIFIED
398	(18E)	BITSTRING 1...	1	CVTCTFLG	- SYSTEM CONTROL FLAGS
				CVTTXTE	"X'80" A Transactional Execution test environment is available. When only such a test environment exists, you should not use Transactional Execution in product code. In this test environment, the limited diagnostic data available upon such failures as program interrupts may well be inadequate to debug programs
		1...	1	CVTTXJ	"X'80" Not a programming interface
				CVTDSTAT	"X'10" - DEVSTAT OPTION IN EFFECT. DEVICE ADDRESS FOR 2319, 3330, 2314, 3330-1, 3340 CAN VARY ACROSS SYSTEMS. Not a programming interface. MDC189
		.... 1...	1	CVTDRMOD	"X'08" - Set on when DRMODE=YES was specified.

CVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		CVTNOMP	"X'04" - MULTIPROCESSING CODE IS NOT IN THE SYSTEM. Not a programming interface. MDC176
		.... ..1.		CVTGTRCE	"X'02" - GENERALIZED TRACE FACILITY (GTF) HAS SUPPRESSED SUPERVISOR TRACE. Not a programming interface. ICB446
		.... ...1		CVTSDTRC	"X'01" - SVC DUMP HAS SUPPRESSED SUPERVISOR TRACE. Not a programming interface. ICB446
399	(18F)	SIGNED	1	CVTAPG	- DISPATCHING PRIORITY OF AUTOMATIC PRIORITY GROUP (APG) MDC152
404	(194)	ADDRESS	4	CVTRSCN	"V(IEATRSCN)" - ADDRESS OF ROUTINE TO SCAN TCB TREE
408	(198)	ADDRESS	4	CVTTAS	- ADDRESS OF ROUTINE TO TRANSFER ADDRESS SPACE YM2706
412	(19C)	ADDRESS	4	CVTTRCRM	- ADDRESS POINTER OF THE SYSTEM TRACE RESOURCE MANAGER. @(DCR816)
416	(1A0)	ADDRESS	4	CVTSHRVM	- LOWEST ADDRESS OF SHARED VIRTUAL STORAGE AREA. THIS ADDRESS WILL BE THE BEGINNING OF THE COMMON SERVICE AREA (CSA) (MDC324)
420	(1A4)	ADDRESS	4	CVT0VL01	"V(IEA0VL01)" - ENTRY POINT ADDRESS OF VALIDITY CHECK ROUTINE (IEA0VL01) USED TO COMPARE PROTECT KEY OF AN ADDRESS WITH TCB PROTECT KEY
424	(1A8)	ADDRESS	4	CVTPPGMX	"V(CSVEXIT)" - ADDRESS POINTER FOR MVS/370-XA.
428	(1AC)	BITSTRING	1	CVTGRSST	- GRS status. SERIALIZATION: None.
		1...		CVTE51GN	"X'80" - When on, global resource contention data normally reported via ENF event code 51 to listeners on this system is unavailable or incomplete.
		.1..		CVTE51LN	"X'40" - When on, local resource contention data normally reported via ENF event code 51 to listeners on this system is unavailable or incomplete.
429	(1AD)	BITSTRING	1	CVTRS1AD	- Reserved
430	(1AE)	BITSTRING	2	CVTBSM0F	- Return via reg 15, BSM 0,15
432	(1B0)	ADDRESS	4	CVTGVT	"V(GVT)" - ADDRESS OF THE GRS VECTOR TABLE (MDC414)
436	(1B4)	ADDRESS	4	CVTASCRF	- CREATED ASCB QUEUE HEADER (MDC337)
440	(1B8)	ADDRESS	4	CVTASCRL	- CREATED ASCB QUEUE TRAILER (MDC338)
444	(1BC)	ADDRESS	4	CVTPUTL	- ADDRESS OF IKJPUTL, TSO PUT LINE ROUTINE (MDC207) YM2225
448	(1C0)	ADDRESS	4	CVTSRBRT	"V(IEAPDSRT)" - DISPATCHER RETURN ADDRESS FOR SRB ROUTINES MDC130
452	(1C4)	ADDRESS	4	CVTOLT0A	"V(IFDOLT0A)" - BRANCH ENTRY TO OLTEP MEMORY TERMINATION RESOURCE MANAGER MDC129
456	(1C8)	ADDRESS	4	CVTSMFEX	"V(IEASMFEX)" - BRANCH ENTRY TO SYSTEM MANAGEMENT FACILITIES (SMF) EXCP COUNTING ROUTINE FOR VAM WINDOW INTERCEPT MDC133
460	(1CC)	ADDRESS	4	CVTCSPIE	- ENTRY POINT ADDRESS OF THE SUPERVISOR CHECKPOINT/RESTART ROUTER (IEAVCKRS). RESOLVED BY IEAVNP05 AFTER THE LPA HAS BEEN BUILT. PREVIOUSLY CONTAINED THE ENTRY POINT ADDRESS OF THE RTM CHECKPOINT/ RESTART EXIT ROUTINE (IEAVSPI).
464	(1D0)	ADDRESS	4	CVTPTGT	- ADDRESS OF IKJPTGT, TSO PUTGET ROUTINE (MDC208) YM2225
468	(1D4)	BITSTRING	1	CVTSIGPT	- SIGP TIMEOUT VALUE. OWNERSHIP: MACHINE CHECK HANDLER (MCH). SERIALIZATION: NONE (SET DURING IPL).
469	(1D5)	BITSTRING	1	CVTSPDMC	- SERVICE PROCESSOR DAMAGE MACHINE CHECK LOCK BYTE.
470	(1D6)	BITSTRING	1	CVTDSSAC	- DYNAMIC SUPPORT SYSTEM (DSS) ACTIVATED FLAG - USED BY RESTART FLIH. IF X'00', DSS NOT INITIALIZED. IF X'FF', DSS HAS BEEN INITIALIZED. MDC163
471	(1D7)	BITSTRING	1	CVTRS1D7	- RESERVED
472	(1D8)	ADDRESS	4	CVTSTCK	- ADDRESS OF IKJSTCK, TSO STACK ROUTINE (MDC209) YM2225
476	(1DC)	SIGNED	2	CVTMAXMP	- Maximum CPU address available for this IPL
478	(1DE)	BITSTRING	2	CVTBSM2	- RETURN VIA REG 2, BSM 0,2.
480	(1E0)	ADDRESS	4	CVTSCAN	- ADDRESS OF IKJSCAN, TSO SCAN ROUTINE (MDC210) YM2225
484	(1E4)	ADDRESS	4	CVTAUTHL	- POINTER TO AUTHORIZED LIBRARY TABLE. X'7FFFF001' IF DYNAMIC FORMAT APF TABLE. OWNED AND SET BY CONTENTS SUPERVISOR.
488	(1E8)	ADDRESS	4	CVTBLDCP	"V(IEAVBLDP)" - BRANCH ENTRY TO BUILD POOL MDC003
492	(1EC)	ADDRESS	4	CVTGETCL	"V(IEAVGTCL)" - BRANCH ENTRY TO GET CELL MDC004
496	(1F0)	ADDRESS	4	CVTFRECL	"V(IEAVFRCL)" - BRANCH ENTRY TO FREE CELL MDC005
500	(1F4)	ADDRESS	4	CVTDELCP	"V(IEAVDELP)" - BRANCH ENTRY TO DELETE POOL MDC006
504	(1F8)	ADDRESS	4	CVTCRMN	"V(CRBRANCH)" - BRANCH ENTRY TO SVC 120 (GETMAIN/FREEMAIN CRBRANCH) MDC007
508	(1FC)	ADDRESS	4	CVTCRAS	"V(IGVGCAS)" - POINTER DEFINED ADDRESS OF BRANCH ENTRY TO 'CREATE ADDRESS SPACE'
512	(200)	ADDRESS	4	CVTQSAS	"V(IGVQSPET)" - POINTER DEFINED ADDRESS OF BRANCH ENTRY TO TASK TERMINATION
516	(204)	ADDRESS	4	CVTFRAS	"V(IGVGFAS)" - POINTER DEFINED ENTRY TO TASK TERMINATION
520	(208)	ADDRESS	4	CVTS1EE	"V(IGC043BR)" - BRANCH ENTRY TO STAGE 1 EXIT EFFECTOR MDC011
524	(20C)	ADDRESS	4	CVTPARS	- ADDRESS OF IKJPARS, TSO PARSE ROUTINE (MDC211) YM2225
528	(210)	ADDRESS	4	CVTQUIS	"V(IEAVAR02)" - BRANCH ENTRY TO QUIESCE MDC013
532	(214)	ADDRESS	4	CVTSTXU	- BRANCH ENTRY TO ATTENTION EXIT EPILOGUE (MDC321)
536	(218)	ADDRESS	4	CVTOPTE	"V(IRARM100)" - BRANCH ENTRY ADDRESS TO SYSEVENT MDC015
540	(21C)	ADDRESS	4	CVTSDRM	- BRANCH ENTRY ADDRESS OF THE RESOURCE MANAGER ROUTINE FOR SVC DUMP. THIS ROUTINE CAN BE INVOKED BY MEMORY TERMINATION
544	(220)	ADDRESS	4	CVTCSRT	"V(CSRTABLE)" - POINTER TO CALLABLE SERVICE REQUEST TABLE OWNERSHIP: CSR SERIALIZATION: NONE

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
548	(224)	ADDRESS	4	CVTAQTOP	"V(IEFAQTOP)" - POINTER TO THE ALLOCATION QUEUE LOCK AREA.
552	(228)	ADDRESS	4	CVTVVMDI	- CONSTANT USED BY PAGED LINK PACK AREA (LPA) DIRECTORY SEARCH ALGORITHM
556	(22C)	ADDRESS	4	CVTASVT	- POINTER TO ADDRESS SPACE VECTOR TABLE (ASVT)
560	(230)	ADDRESS	4	CVTGDA	- POINTER TO GLOBAL DATA AREA (GDA) IN SQA
564	(234)	ADDRESS	4	CVTASCBH	"V(IEAMASCB)" - POINTER TO HIGHEST PRIORITY ADDRESS SPACE CONTROL BLOCK (ASCB) ON THE ASCB DISPATCHING QUEUE (HEAD OF ASCB QUEUE) MDC027
568	(238)	ADDRESS	4	CVTASCBL	"V(IEAMASCB)" - POINTER TO LOWEST PRIORITY ASCB ON THE ASCB DISPATCHING QUEUE (MDC339)
572	(23C)	ADDRESS	4	CVTRTMCT	- POINTER TO RECOVERY/TERMINATION CONTROL TABLE
576	(240)	ADDRESS	4	CVTSV60	"V(IEAVSTAG)" - BRANCH ENTRY ADDRESS FOR 24 OR 31 BIT ADDRESSING MODE USERS OF SVC 60. @(DCR854) ENTRY TO A GLUE ROUTINE.
580	(244)	ADDRESS	4	CVTSDMP	"V(IEAVTSGL)" - ADDRESS OF SVC DUMP BRANCH ENTRY POINT @(DCR664)
584	(248)	ADDRESS	4	CVTSCBP	"V(IEAVTSBP)" - ADDRESS OF SCB PURGE RESOURCE MANAGER.
588	(24C)	BITSTRING	4	CVTSDBF	- Address of 4K SQA buffer used by SVC Dump. High-order bit of this CVT word is used as lock to indicate buffer is in use. See related bit ASCBSDBF in macro IHAASCB.
592	(250)	ADDRESS	4	CVTRTMS	- ADDRESS OF SERVICABILITY LEVEL INDICATOR PROCESSING (SLIP) HEADER (MDC358)
596	(254)	ADDRESS	4	CVTTPIOS	- ADDRESS OF THE TELEPROCESSING I/O SUPERVISOR ROUTINE (TPIOS)
600	(258)	ADDRESS	4	CVTSIC	- BRANCH ADDRESS OF THE ROUTINE TO SCHEDULE SYSTEM INITIALIZED CANCEL
604	(25C)	ADDRESS	4	CVTOPCTP	"V(IRARMCONS)" - ADDRESS OF SYSTEM RESOURCES MANAGER (SRM) CONTROL TABLE MDC043
608	(260)	ADDRESS	4	CVTEXPRO	"V(IEAVEXPR)" - ADDRESS OF EXIT PROLOGUE/TYPE 1 EXIT MDC044
612	(264)	ADDRESS	4	CVTGSMQ	"V(IEAGSMQ)" - ADDRESS OF GLOBAL SERVICE MANAGER QUEUE MDC045
616	(268)	ADDRESS	4	CVTLSMQ	"V(IEALSMQ)" - ADDRESS OF LOCAL SERVICE MANAGER QUEUE MDC046
620	(26C)	BITSTRING	4	CVTRS26C	- RESERVED.
624	(270)	ADDRESS	4	CVTVWAIT	"V(IEAVWAIT)" - ADDRESS OF WAIT ROUTINE MDC048
628	(274)	ADDRESS	4	CVTPARRL	"V(CSVARMGR)" - ADDRESS OF PARTIALLY LOADED DELETE QUEUE.
632	(278)	ADDRESS	4	CVTAPFT	- ADDRESS OF AUTHORIZED PROGRAM FACILITY (APF) TABLE. INITIALIZED BY NIP.
636	(27C)	ADDRESS	4	CVTQCS01	"V(IEAQCS01)" - BRANCH ENTRY ADDRESS TO PROGRAM MANAGER USED BY ATTACH MDC051
640	(280)	SIGNED	4	CVTFQCB	- FORMERLY USED BY ENQ/DEQ. SHOULD ALWAYS BE ZERO. (MDC414)
644	(284)	SIGNED	4	CVTLQCB	- FORMERLY USED BY ENQ/DEQ. SHOULD ALWAYS BE ZERO. (MDC414)
648	(288)	ADDRESS	4	CVTRENQ	"V(IEAVENQ2)" - RESOURCE MANAGER ADDRESS FOR ENQ
652	(28C)	ADDRESS	4	CVTRSPIE	- RESOURCE MANAGER FOR SPIE. @(PCC1076)
656	(290)	ADDRESS	4	CVTLKRAM	"V(IEAVELRM)" - RESOURCE MANAGER ADDRESS FOR LOCK MANAGER.
660	(294)	ADDRESS	4	CVTCSA	- VIRTUAL ADDRESS OF COMMON SYSTEM DATA AREA (CSD). INITIALIZED BY NIP.
664	(298)	ADDRESS	4	CVTDQIQE	"V(IEADQIQE)" - RESOURCE MANAGER FOR EXIT EFFECTORS.
668	(29C)	ADDRESS	4	CVTRPOST	"V(IEARPOST)" - RESOURCE MANAGER FOR POST.
672	(2A0)	ADDRESS	4	CVT062R1	"V(IGC062R1)" - BRANCH ENTRY TO DETACH MDC060
676	(2A4)	ADDRESS	4	CVTVEAC0	"V(IEAVEAC0)" - ASCBCHAP BRANCH ENTRY MDC061
680	(2A8)	ADDRESS	4	CVTGLMN	"V(GLBRANCH)" - GLOBAL BRANCH ENTRY ADDRESS FOR GETMAIN/FREEMAIN MDC062
684	(2AC)	ADDRESS	4	CVTSPSA	"V(IEAVGWSA)" - POINTER TO GLOBAL WORK/SAVE AREA VECTOR TABLE (WSAG) MDC071
688	(2B0)	ADDRESS	4	CVTWSAL	"V(IEAVWSAL)" - ADDRESS OF TABLE OF LENGTHS OF LOCAL WORK/SAVE AREAS MDC072
692	(2B4)	ADDRESS	4	CVTWSAG	"V(IEAVWSAG)" - ADDRESS OF TABLE OF LENGTHS OF GLOBAL WORK/SAVE AREAS (MDC391)
696	(2B8)	ADDRESS	4	CVTWSAC	"V(IEAVWSAC)" - ADDRESS OF TABLE OF LENGTHS OF CPU WORK/SAVE AREAS MDC074
700	(2BC)	ADDRESS	4	CVTRECRQ	"V(IEAVTRGR)" - ADDRESS OF THE RECORDING REQUEST FACILITY (PART OF RTM1 - CALLED BY RTM2 AND RMS). @(DCR854)
704	(2C0)	ADDRESS	4	CVTASMT	"V(ASMT)" - POINTER TO AUXILIARY STORAGE MANAGEMENT VECTOR TABLE (AMVT) (MDC340)
708	(2C4)	ADDRESS	4	CVTIOBP	"V(IDA121CV)" - ADDRESS OF THE BLOCK PROCESSOR CVT (MDC079) YM0029
712	(2C8)	ADDRESS	4	CVTSPOST	"V(IEASPOST)" - POST RESOURCE MANAGER TERMINATION ROUTINE (RMTR) ENTRY POINT MDC085
716	(2CC)	SIGNED	4	CVTRSTWD (0)	- RESTART RESOURCE MANAGEMENT WORD. CONTAINS IDENTIFIER OF USER IF RESTART IS IN USE. OTHERWISE, ZERO.
716	(2CC)	SIGNED	2	CVTRSTCI	- CPU ID OF THE CPU HOLDING THE RESTART RESOURCE.
718	(2CE)	BITSTRING	2	CVTRSTRI	- IDENTIFIER OF OWNING ROUTINE
720	(2D0)	ADDRESS	4	CVTFETCH	"V(IEWMSEPT)" - ADDRESS OF ENTRY POINT FOR BASIC FETCH.
724	(2D4)	ADDRESS	4	CVT044R2	"V(IGC044R2)" - ADDRESS OF IGC044R2 IN CHAP SERVICE ROUTINE MDC197

CVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
728	(2D8)	ADDRESS	4	CVTPERFM	- ADDRESS OF THE PERFORMANCE WORK AREA. SET BY IGX00018. MDC205
732	(2DC)	ADDRESS	4	CVTDAIR	- ADDRESS OF IKJDAIR, TSO DYNAMIC ALLOCATION INTERFACE ROUTINE (MDC212) YM2225
736	(2E0)	ADDRESS	4	CVTEHDEF	- ADDRESS OF IKJEHDEF, TSO DEFAULT SERVICE ROUTINE. @(PCC0919)
740	(2E4)	ADDRESS	4	CVTEHCIR	- ADDRESS OF IKJEHCIR, TSO CATALOG INFORMATION ROUTINE. @(PCC0919)
744	(2E8)	ADDRESS	4	CVTSSAP	- ADDRESS OF SYSTEM SAVE AREA
748	(2EC)	ADDRESS	4	CVTAIDVT	- POINTER TO APPENDAGE ID VECTOR TABLE
752	(2F0)	ADDRESS	4	CVTIPCD5	"V(IEAVEDR1)" - BRANCH ENTRY FOR DIRECT SIGNAL SERVICE ROUTINE
756	(2F4)	ADDRESS	4	CVTIPCRI	"V(IEAVERI1)" - BRANCH ENTRY FOR REMOTE IMMEDIATE SIGNAL SERVICE ROUTINE
760	(2F8)	ADDRESS	4	CVTIPCRP	"V(IEAVERP1)" - BRANCH ENTRY FOR REMOTE PENDABLE SIGNAL SERVICE ROUTINE
764	(2FC)	ADDRESS	4	CVTPCCAT	- POINTER TO PHYSICAL CCA VECTOR TABLE
768	(300)	ADDRESS	4	CVTLCCAT	- POINTER TO LOGICAL CCA VECTOR TABLE
772	(304)	ADDRESS	4	CVTXSFT	"V(IEAVXSFT)" - ADDRESS OF SYSTEM FUNCTION TABLE CONTAINING LINKAGE INDEX (LX) AND ENTRY INDEX (EX) NUMBERS FOR SYSTEM ROUTINES. (MDC414)
776	(308)	ADDRESS	4	CVTXSTKS	"V(IEAVXSTS)" - ADDRESS OF PCLINK STACK (SAVE=YES) ROUTINE. (MDC395)
780	(30C)	ADDRESS	4	CVTXSTKN	"V(IEAVXSTN)" - ADDRESS OF PCLINK STACK (SAVE=NO) ROUTINE. (MDC395)
784	(310)	ADDRESS	4	CVTXUNSS	"V(IEAVXUNS)" - ADDRESS OF PCLINK UNSTACK (SAVE=YES) ROUTINE. (MDC395)
788	(314)	ADDRESS	4	CVTPWI	- ADDRESS OF THE WINDOW INTERCEPT ROUTINE (MDC104) YM4043
792	(318)	ADDRESS	4	CVTPVBP	- ADDRESS OF THE VIRTUAL BLOCK PROCESSOR (MDC105) YM4043
796	(31C)	ADDRESS	4	CVTMFCTL	- POINTER TO MEASUREMENT FACILITY CONTROL BLOCK MDC100
800	(320)	ADDRESS	4	CVTMFRTR	- IF MEASUREMENT FACILITY IS ACTIVE, CONTAINS ADDRESS OF MEASUREMENT FACILITY ROUTINE. OTHERWISE, ADDRESS OF CVTBRET. MDC101
		1... ..		CVTMFACT	"X'80" - IF ONE, I/O SUPERVISOR AND TIMER SECOND LEVEL INTERRUPT HANDLER HOOKS BRANCH TO MEASUREMENT FACILITY ROUTER. USED TO SET HIGH-ORDER BIT OF CVTMFRTR. MDC102
804	(324)	ADDRESS	4	CVTVPSIB	"V(IARPSIV)" - BRANCH ENTRY TO PAGE SERVICES
808	(328)	ADDRESS	4	CVTVSI	"V(IARXVIO)" - POINTER DEFINED, BRANCH ENTRY TO VAM SERVICES. @(DCR938)
812	(32C)	ADDRESS	4	CVTEXCL	"V(IECVEXCL)" - ADDRESS POINTER TO THE EXCP TERMINATION ROUTINE.
816	(330)	ADDRESS	4	CVTXUNSN	"V(IEAVXUNN)" - ADDRESS OF PCLINK UNSTACK (SAVE=NO) ROUTINE. (MDC395)
820	(334)	ADDRESS	4	CVTISNBR	"V(ISNBRNCH)" - ENTRY POINT ADDRESS OF DISABLED SERVICE PROCESSOR INTERFACE MODULE
824	(338)	ADDRESS	4	CVTXEXTR	"V(IEAVXEXT)" - ADDRESS OF PCLINK EXTRACT ROUTINE (MDC395)
828	(33C)	ADDRESS	4	CVTMSFRM	"V(IEAVMFRM)" - ADDRESS OF THE PROCESSOR CONTROLLER.
832	(340)	ADDRESS	4	CVTSCPIN	- ADDRESS OF IPL-TIME SCPINFO DATA BLOCK (ECVTSCPIN has address of "current"). Mapped by IHASCCB
836	(344)	ADDRESS	4	CVTWSMA	ADDRESS OF WAIT STATE MESSAGE AREA MUST BE DISPLAYABLE BY OPERATOR
840	(348)	ADDRESS	4	CVTRMBR	"V(RMBRANCH)" - ADDRESS OF REGMAIN BRANCH ENTRY. MDC123
844	(34C)	ADDRESS	4	CVTLFRM	"V(FMBRANCH)" - LIST FORMAT FREEMAIN BRANCH ENTRY MDC124 POINT. MDC124
848	(350)	ADDRESS	4	CVTGMBR	"V(GMBRANCH)" - LIST FORMAT GETMAIN BRANCH ENTRY MDC125 POINT. MDC125
852	(354)	ADDRESS	4	CVT0TC0A	- ADDRESS OF TASK CLOSE MODULE MDC128 IFG0TC0A. MDC128
856	(358)	SIGNED	4	CVTRLSTG	- SIZE OF ACTUAL REAL STORAGE ONLINE AT IPL TIME IN 'K'.
860	(35C)	ADDRESS	4	CVTSPFRR	"V(IEAVESPR)" - 'SUPER FRR' ADDRESS (ADDRESS OF FUNCTIONAL RECOVERY ROUTINE ESTABLISHED AT NIP0 TIME TO PROTECT SUPERVISOR CONTROL PROGRAM).
864	(360)	BITSTRING	4	CVTRS360	- RESERVED.
868	(364)	ADDRESS	4	CVTSVT	"V(IEAVESVT)" - ADDRESS POINTER FOR FETCH PROTECTED PSASVT.
872	(368)	ADDRESS	4	CVTIRECM	- ADDRESS OF INITIATOR RESOURCE MDC158 MANAGER. MDC158
876	(36C)	ADDRESS	4	CVTDARCM	- ADDRESS OF DEVICE ALLOCATION MDC159 RESOURCE MANAGER. MDC159
880	(370)	ADDRESS	4	CVTOPT02	"V(IEAOPT02)" - ADDRESS OF POST ENTRY POINT MDC160 IEA0PT02. MDC160
884	(374)	BITSTRING	4	CVTRS374	RESERVED
888	(378)	ADDRESS	4	CVTWTCB	"V(IEAWTCB)" - ADDRESS OF WAIT STATE TCB. MDC164
892	(37C)	ADDRESS	4	CVTVACR	- ACR/VARY CPU CHANNEL RECOVERY MDC178 ROUTINE ADDRESS. ADDRESS FILLED IN MDC178 BY VARY CPU PROCESSOR. MDC178
896	(380)	ADDRESS	4	CVTRECON	- VARY CPU SHUTDOWN ROUTINE ADDRESS. ADDRESS FILLED IN BY VARY CPU PROCESSOR.
900	(384)	ADDRESS	4	CVTGTFR8	"V(AHLVCCR8)" - GENERALIZED TRACE FACILITY (GTF) MDC180 CONTROL REGISTER 8 INITIALIZATION MDC180 ROUTINE ADDRESS. MDC180

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
904	(388)	ADDRESS	4	CVTVSTOP	"V(IEEVSTOP)" - ADDRESS OF VARY CPU STOP CPU MDC169 ROUTINE. MDC169
908	(38C)	ADDRESS	4	CVTVPSA	- ADDRESS OF COPY OF SYSGEN'ED PSA - MDC170 PLACED HERE BY NIP. MDC170
912	(390)	ADDRESS	4	CVTRMPTT	- ADDRESS OF ISTRAMA1, THE VTAM RESOURCE MANAGER FOR NORMAL AND ABNORMAL TASK TERMINATION. (MDC322)
916	(394)	ADDRESS	4	CVTRMPMT	- ADDRESS OF ISTRAMA2, THE VTAM RESOURCE MANAGER FOR NORMAL AND ABNORMAL MEMORY TERMINATION. (MDC323)
920	(398)	ADDRESS	4	CVTEXP1	"V(IEAVEXP1)" - ADDRESS OF EXIT PROLOGUE WHICH MDC173 RETURNS TO THE DISPATCHER. MDC173
924	(39C)	ADDRESS	4	CVTCSDRL	- REAL ADDRESS OF COMMON SYSTEM DATA MDC174 AREA (CSD). INITIALIZED BY NIP. MDC174
928	(3A0)	ADDRESS	4	CVTSSRB	"V(IGC07903)" - STATUS STOP SRB ENTRY. MDC175
932	(3A4)	BITSTRING	4	CVTRS3A4	- RESERVED
936	(3A8)	ADDRESS	4	CVTQV1	"V(IEAVEQV1)" - ADDRESS OF QUEUE VERIFICATION FOR MDC181 SINGLE THREADED QUEUES WITH MDC181 HEADERS ONLY. MDC181
940	(3AC)	ADDRESS	4	CVTQV2	"V(IEAVEQV2)" - ADDRESS OF QUEUE VERIFICATION FOR MDC182 SINGLE THREADED QUEUES WITH MDC182 HEADER AND TRAILER. MDC182
944	(3B0)	ADDRESS	4	CVTQV3	"V(IEAVEQV3)" - ADDRESS OF QUEUE VERIFICATION FOR MDC183 DOUBLE THREADED QUEUES. MDC183
948	(3B4)	ADDRESS 1... ..	4	CVTGSDA CVTGSDAB	"V(IEAVGSDA)" - ADDRESS OF GLOBAL SYSTEM DUPLEX AREA. 'X'80" - IF HIGH-ORDER BIT IS ONE, THERE IS MDC185 A VALID VALUE IN FOLLOWING 31 BITS. MDC185
952	(3B8)	ADDRESS	4	CVTADV	"V(IEAVEADV)" - ADDRESS OF ADDRESS VERIFICATION MDC186 ROUTINE. MDC186
956	(3BC)	ADDRESS	4	CVTTPIO	"V(IGC124)" - ADDRESS OF VTAM TPIO (SVC 124) MDC193 ROUTINE. MDC193
960	(3C0)	BITSTRING	4	CVTRS3C0	- RESERVED
964	(3C4)	ADDRESS	4	CVTEVENT	"V(IEAVEVT2)" - BRANCH ENTRY ADDRESS TO EVENTS (FAST MULTIPLE WAIT ROUTINE). @(DCR738)
968	(3C8)	ADDRESS	4	CVTSSCR	- ADDRESS OF STORAGE SYSTEM CONTROLLER RECOVERY MANAGER CLEANUP ROUTINE (SSC RMCR). (MDC319)
972	(3CC)	ADDRESS	4	CVTCBBR	"V(CBBRANCH)" - BRANCH ENTRY ADDRESS TO GETMAIN/FREEMAIN. (MDC325)
976	(3D0)	ADDRESS	4	CVTEFF02	- ADDRESS OF IKJEFF02, TSO MESSAGE ISSUER SERVICE ROUTINE. (MDC326)
980	(3D4)	ADDRESS	4	CVTLSCH	"V(IEAVESC1)" - ADDRESS OF LOCAL SCHEDULE. (MDC364)
984	(3D8)	ADDRESS	4	CVTCDEQ	- ADDRESS OF PROGRAM MANAGER AVAILBLE CDE QUEUE CONTROL AREA. (MDC369)
988	(3DC)	ADDRESS	4	CVTHSM	- POINTER TO HIERARCHICAL STORAGE MANAGER (HSM) QUEUE CONTROL TABLE. (MDC375)
992	(3E0)	ADDRESS	4	CVTRAC	- ADDRESS OF ACCESS CONTROL CVT. (MDC320)
996	(3E4)	ADDRESS	4	CVTCGK	"V(IARXKEY)" - ADDRESS OF ROUTINE USED TO CHANGE THE KEY OF VIRTUAL PAGES. @(PCC0529)
1000	(3E8)	ADDRESS	4	CVTSRM	"V(IRARMEPS)" - ADDRESS OF ENTRY TABLE FOR SRM, ENTRY TABLE IS INITIALIZED BY NIP10. (MDC367)
1004	(3EC)	ADDRESS	4	CVT0PT0E	"V(IEA0PT0E)" - ENTRY POINT TO IDENTIFY POST EXIT ROUTINES. (MDC334)
1008	(3F0)	ADDRESS	4	CVT0PT03	"V(IEA0PT03)" - POST REINVOICATION ENTRY POINT FROM POST EXIT ROUTINES. (MDC335)
1012	(3F4)	ADDRESS	4	CVTTCASP	- POINTER TO THE TSO/VTAM TERMINAL CONTROL ADDRESS SPACE (TCAS) TABLE. (MDC336)
1016	(3F8)	ADDRESS	4	CVTCTVT	- CTT VT
1020	(3FC)	ADDRESS	4	CVTJTERM	"V(ILRJTERM)" - POINTER DEFINED ADDRESS OF AUXILIARY STORAGE MANAGEMENT JOB TERMINATION RESOURCE MANAGER.
1024	(400)	ADDRESS	4	CVTRSUME	"V(IEAVRSUH)" - ADDRESS OF RESUME FUNCTION. (MDC414)
1028	(404)	ADDRESS	4	CVTTCTL	"V(IEAVTCTL)" - ADDRESS OF TRANSFER CONTROL (TCTL) FUNCTION. (MDC345)
1032	(408)	ADDRESS	4	CVTRMT	- ADDRESS OF RESOURCE MANAGER CONTROL STRUCTURE (RMT) OWNERSHIP: RTM. SERIALIZATION: NONE.
1036	(40C)	ADDRESS	4	CVTT6SVC	"V(IEAVET6E)" - ENTRY POINT ADDRESS FOR TYPE 6 SVC EXIT FUNCTION. (MDC347)
1040	(410)	ADDRESS	4	CVTSUSP	"V(IEAVSPND)" - ADDRESS OF SUSPEND ROUTINE. (MDC348)
1044	(414)	ADDRESS	4	CVTIHASU	"V(IEAIHASU)" - ADDRESS OF BIT STRING. (MDC355)
1048	(418)	ADDRESS	4	CVTSFV	"V(IEAVTSFV)" - ADDRESS OF SETFRR ROUTINE ABOVE 16M
1052	(41C)	ADDRESS	4	CVTIDEVN	"V(IOSVDEVN)" - ADDRESS OF DEVICE NUMBER CONVERSION ROUTINE OWNERSHIP: IOS. SERIALIZATION: NONE.
1056	(420)	ADDRESS	4	CVTSMF83	- ADDRESS OF BRANCH ENTRY TO SMF SVC 83. (MDC378)
1060	(424)	ADDRESS	4	CVTSMFSP	"V(IEASMFSP)" - ADDRESS OF SMF SUSPEND HANDLER.
1064	(428)	ADDRESS	4	CVTMSFCB	- ADDRESS OF MAINTENANCE AND SERVICE FACILITY CONTROL BLOCK (MSFCB). (MDC396)
1068	(42C)	ADDRESS	4	CVTHID	"V(IOSVHID)" - ADDRESS OF SCP HOST ID. @(DCR819)
1072	(430)	ADDRESS	4	CVTPSXM	"V(IARPSXM)" - ADDRESS OF CROSS MEMORY PAGE FIX AND PAGE FREE. (MDC414)

CVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1076	(434)	ADDRESS	4	CVTUCBSC	"V(IOUSVUCB)" - ADDRESS OF UCB SCAN SERVICE. @(DCR377)
1080	(438)	ADDRESS	4	CVTTPUR	- DDR QUEUE OF TAPE UNIT-RECORD SWAP REQUESTS.
1084	(43C)	ADDRESS	4	CVTDPUR	- DDR QUEUE OF DASD SWAP REQUESTS.
1088	(440)	ADDRESS	4	CVTTRPOS	- DDR QUEUE OF TAPES TO BE REPRESENTED.
1092	(444)	ADDRESS	4	CVTRS444	- Reserved, must always be 0. Was CVTRESTX, VIRTUAL ADDRESS OF TEXT TO BE PLACED ON CONSOLE FRAME.
1096	(448)	SIGNED	2	CVTXCPCT	- MAXIMUM EXCP COUNT PER ADDRESS SPACE.
1098	(44A)	SIGNED	2	CVTCALL	- A BASSM 14,15 INSTRUCTION. POINTER USED VIA AN EXECUTE INSTRUCTION TO BRANCH TO USERS EXITS
1100	(44C)	ADDRESS	4	CVTVFIND	"V(CSVVFIND)" - THE POINTER TO VIRTUAL FETCH BUILD AND FIND ROUTINE.
1104	(450)	ADDRESS	4	CVTVFGET	"V(CSVVFGET)" - THE POINTER TO VIRTUAL FETCH GET ROUTINE.
1108	(454)	ADDRESS	4	CVTVFMEM	RESERVED. THIS FIELD IS NO LONGER USED. ANYONE USING IT AS A POINTER WILL PROGRAM CHECK
1112	(458)	ADDRESS	4	CVTVFCB	- THE POINTER TO VIRTUAL FETCH INTERNAL CONTROL BLOCK IN CSA, INITIALIZED TO ZERO AND SET TO NON-ZERO VALUE BY VIRTUAL FETCH INITIALIZATION ROUTINE.
1116	(45C)	ADDRESS	4	CVTPGSER	"V(IARPIBR)" - POINTER DEFINED ADDRESS OF ENTRY TO PAGE SERVICES (FIX,FREE,LOAD, OUT,RLSE,ANYWHERE).
1120	(460)	ADDRESS	4	CVTTSKI	"V(IGVSTSKI)" - POINTER DEFINED ADDRESS OF TASK MANAGEMENT/STORAGE MANAGEMENT INTERFACE ROUTINE.
1124	(464)	ADDRESS	4	CVTCPGUB	"V(IGVCPGUB)" - POINTER DEFINED ADDRESS OF CPOOL GET UNCONDITIONAL BRANCH ENTRY ROUTINE.
1128	(468)	ADDRESS	4	CVTCPGUP	"V(IGVCPGUP)" - POINTER DEFINED ADDRESS OF CPOOL GET UNCONDITIONAL PC-ENTRY ROUTINE.
1132	(46C)	ADDRESS	4	CVTCPGTC	"V(IGVCPGTC)" - POINTER DEFINED ADDRESS OF GET UNCONDITIONAL ROUTINE.
1136	(470)	ADDRESS	4	CVTCPFRE	"V(IGVCPFRE)" - POINTER DEFINED ADDRESS OF CPOOL FREE ROUTINE.
1140	(474)	ADDRESS	4	CVTSLIST	"V(IGVSLIST)" - POINTER DEFINED ADDRESS OF VSM LIST SERVICE.
1144	(478)	ADDRESS	4	CVTSREGN	"V(IGVSREGN)" - POINTER DEFINED ADDRESS OF VSM REGION SIZE.
1148	(47C)	ADDRESS	4	CVTSLOC	"V(IGVSLOC)" - POINTER DEFINED ADDRESS OF VSM LOCATOR SERVICE.
1152	(480)	ADDRESS	4	CVTCPBDB	"V(IGVCPBDB)" - POINTER DEFINED ADDRESS OF CPOOL BUILD ENTRY ROUTINE.
1156	(484)	ADDRESS	4	CVTCPDLB	"V(IGVCPDLB)" - POINTER DEFINED ADDRESS OF CPOOL DELETE BRANCH ENTRY ROUTINE.
1160	(488)	ADDRESS	4	CVTDOFFS	- STARTING REAL ADDRESS OF DAT-OFF NUCLEUS.
1164	(48C)	ADDRESS	4	CVTDOFFE	- ENDING REAL ADDRESS OF DAT-OFF NUCLEUS.
1168	(490)	ADDRESS	4	CVTRCEP	"V(IARMRCE)" - ADDRESS OF THE RSM CONTROL AND ENUMERATION AREA.
1172	(494)	ADDRESS	4	CVTCPGUS	"V(IGVCPGUS)" - ADDRESS OF CPOOL GET UNCONDITIONAL PC-ENTRY ROUTINE WHICH SAVES SECONDARY ASID STATUS. @(DCR722)
1176	(498)	ADDRESS	4	CVTGRRGN	"V(IGVGRRGN)" - POINTER DEFINED ADDRESS OF GET REAL REGION ROUTINE.
1180	(49C)	ADDRESS	4	CVTGVRGN	"V(IGVGVRGN)" - POINTER DEFINED ADDRESS OF GET VIRTUAL REGION ROUTINE.
1184	(4A0)	BITSTRING	1	CVTIONLV	- DEFAULT VALUE OF IOS LEVEL. @(PCC0461)
1185	(4A1)	BITSTRING	3	CVTRS4A1	- RESERVED

Comment

EXIT CODE FOR NORMAL AND/OR ABNORMAL END APPENDAGES FOR I/O DRIVERS.

End of Comment

1190	(4A6)	BITSTRING	2		- RETURN VIA A BSM.
1192	(4A8)	BITSTRING	4	CVTFUNC	- Reserved for solution/offering use. Must be zero for full function MVS.
		1... ..		CVTSOLN	"X'80" - If high order bit is on, this is not a full function MVS system, but rather, a solution/offering.
1196	(4AC)	ADDRESS	4	CVTSMEXT	- ADDRESS OF STORAGE MAP EXTENSION.
1200	(4B0)	ADDRESS	4	CVTNUCMP	- ADDRESS OF NUCLEUS MAP.
1204	(4B4)	BITSTRING	1	CVTXAFL	- FLAG BYTE FOR MVS/XA PROCESSING. @(PCC3762)
		1... ..		CVTCSRIM	"X'80" - EXPLICIT LOAD PROCESSING REQUIRED FOR CONTENTS SUPERVISOR RIM.
1205	(4B5)	BITSTRING	3	CVTRS4B5	- RESERVED
1208	(4B8)	ADDRESS	4	CVTVTAM	- ADDRESS OF VTAM COMMAND PROCESSOR (ISTCFF3D). @(DCR642)
1212	(4BC)	ADDRESS	4	CVTSPIP	- ADDRESS OF RTM INTERFACE TO RETURN PROGRAM MASK TO CONTENTS SUPERVISOR,(ON SPIE/ESPIE).
1216	(4C0)	ADDRESS	4	CVTCKRAS (0)	- OLD NAME FOR CVTDFA FIELD.
1216	(4C0)	ADDRESS	4	CVTDFA	"V(DFAIDTAB)" - ADDRESS OF DFP ID TABLE, MAPPED BY THE DFA. OWNERSHIP: DFP.
1220	(4C4)	ADDRESS	4	CVTNVT0	"V(IEAVNVT0)" - ADDRESS OF DATA IN DAT-ON NUCLEUS
1224	(4C8)	ADDRESS	4	CVTCSOMF	- OWNER OF CHANNEL MEASUREMENT FACILITY. @(DCR1020)
1228	(4CC)	ADDRESS	4	CVTCSOAL	- OWNER OF ADDRESS LIMIT FACILITY.
1232	(4D0)	ADDRESS	4	CVTICHPT	- ADDRESS OF THE INSTALLED CHANNEL PATH TABLE. @(DCR719)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1236	(4D4)	ADDRESS	4	CVTCSOCR	- CHANNEL SUBSYSTEM OWNER - CHANNEL PATH RESET FACILITY. @(DCR719)
1240	(4D8)	ADDRESS	4	CVTCSOCS	- CHANNEL SUBSYSTEM OWNER - CHANNEL PATH STATUS FACILITY. @(DCR719)
1244	(4DC)	ADDRESS	4	CVTLLTA	- LINK LIST TABLE ADDRESS. @(DCR719)
1248	(4E0)	ADDRESS	4	CVTDCQA	- ADDRESS OF DEVICE CLASS QUEUE
1252	(4E4)	ADDRESS	4	CVTUCBA	- ADDRESS OF THE FIRST UCB IN THE CHAIN OF UCB'S. @(DCR719)
1256	(4E8)	ADDRESS	4	CVTVESTU	"V(IEAVESTU)" - ADDRESS OF THE ENTRY POINT OF THE SVC UPDATE ROUTINE. @(DCR825)
1260	(4EC)	ADDRESS	4	CVTNUCLU	"V(IEAVENLU)" - ADDRESS TO SUPPORT THE NUCLEUS MAP LOOKUP ROUTINE. @(DCR892)
1264	(4F0)	BITSTRING	16	CVTOSLVL (0)	SYSTEM LEVEL INDICATORS The presence of certain hardware functions is indicated within the SCCB (mapped by macro IHASCCB, pointed to by CVTSCPIN and/or ECVTSCPIN). The presence of other hardware functions can be found within CVT field CVTFLAGS2.
1264	(4F0)	BITSTRING	1	CVTOSLVL0	BYTE 0 OF CVTOSLVL
		1...		CVTH3310	"X'80" HBB3310 FUNCTIONS ARE PRESENT
		1...		CVTESA	"X'80" ESA/370 IS SUPPORTED
		1...		CVTXAX	"X'80" ESA/370 IS SUPPORTED (XAX - OLD NAME)
		.1...		CVTH4420	"X'40" HBB4420 FUNCTIONS ARE PRESENT.
		.1...		CVTJ3313	"X'20" JBB3313 FUNCTIONS ARE PRESENT
		.1...		CVTJ3311	"X'10" JBB3311 FUNCTIONS ARE PRESENT
		.1...		CVTHIPER	"X'10" HIPERSPACES ARE SUPPORTED
		.... 1...		CVTH4410	"X'08" HBB4410 FUNCTIONS ARE PRESENT.
		.... 1...		CVTLKR	"X'08" SPIN LOCK RESTRUCTURE INDICATOR.
		.... 1...		CVTUCBSV	"X'08" UCB SERVICES INSTALLED.
		.... .1..		CVTCADS	"X'04" SCOPE=COMMON DATA SPACES SUPPORTED
		.... .1..		CVTCRPTL	"X'02" ENCRYPTION ASYMMETRIC FEATURE IS SUPPORTED
		.... .1..		CVTJ4422	"X'01" JBB4422 FUNCTIONS ARE PRESENT
1265	(4F1)	BITSTRING	1	CVTOSLVL1	BYTE 1 OF CVTOSLVL
		1...		CVTH4430	"X'80" HBB4430 FUNCTIONS ARE PRESENT
		1...		CVTDYAPF	"X'80" DYNAMIC APF, THROUGH CSVAPF, PRESENT
		.1...		CVTWLM	"X'40" WORKLOAD MANAGER IS INSTALLED
		.1...		CVTH5510	"X'20" HBB5510 FUNCTIONS ARE PRESENT
		.1...		CVTDYNEX	"X'20" CSVDYNEX FOR DYNAMIC EXITS IS PRESENT
		.1...		CVTH5520	"X'10" HBB5520 FUNCTIONS ARE PRESENT
		.1...		CVTENCLV	"X'10" ENCLAVES FUNCTION IS PRESENT
		.... 1...		CVTJ5522	"X'08" JBB5522 FUNCTIONS ARE PRESENT
		.... .1..		CVTH5530	"X'04" HBB6603 FUNCTIONS ARE PRESENT
		.... .1..		CVTH6603	"X'04" HBB6603 FUNCTIONS ARE PRESENT
		.... .1..		CVTOS390_010300	"X'04" OS/390 R3
		.... .1..		CVTOS390_R3	"X'04" OS/390 R3
		.... .1..		CVTDYNL	"X'04" Dynamic LNKLST, via CSVDYNL, is present
		.... .1..		CVTH6601	"X'02" OS/390 release 1
		.... .1..		CVTOS390	"X'02" OS/390 release 1
		.... .1..		CVTOS390_010100	"X'02" OS/390 R1
		.... .1..		CVTOS390_R1	"X'02" OS/390 R1
		.... .1..		CVTPRDED	"X'02" Product enable/disable (IFAEDxxx) is present
		.... .1..		CVTJ6602	"X'01" OS/390 release 2
		.... .1..		CVTOS390_010200	"X'01" OS/390 R2
		.... .1..		CVTOS390_R2	"X'01" OS/390 R2
		.... .1..		CVTPARMC	"X'01" Logical Parmlib Service is available via IEFPRMLB.
1266	(4F2)	BITSTRING	1	CVTOSLVL2	BYTE 2 OF CVTOSLVL
		1...		CVTOS390_010400	"X'80" OS/390 R4
		1...		CVTOS390_020400	"X'80" OS/390 R4
		1...		CVTOS390_R4	"X'80" OS/390 R4
		1...		CVTJ6604	"X'80" OS/390 R4
		1...		CVTDYLPA	"X'80" Dynamic LPA (CSVDYLPA) available
		1...		CVTRTLS	"X'80" Runtime Library Services (CSVRTLs)
		.1...		CVTOS390_020500	"X'40" OS/390 R5
		.1...		CVTOS390_R5	"X'40" OS/390 R5
		.1...		CVTH6605	"X'40" OS/390 R5
		.1...		CVTOS390_020600	"X'20" OS/390 R6
		.1...		CVTOS390_R6	"X'20" OS/390 R6
		.1...		CVTH6606	"X'20" OS/390 R6
		.1...		CVTBFP	"X'10" Binary Floating Point support (simulated unless CVTBFP is on)
		.... 1...		CVTOS390_020700	

CVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1..		CVTOS390_R7	"X'08" OS/390 R7
		.... 1..		CVTJ6607	"X'08" OS/390 R7
		.... .1..		CVTOS390_020800	"X'04" OS/390 R8
		.... .1..		CVTOS390_R8	"X'04" OS/390 R8
		.... .1..		CVTH6608	"X'04" OS/390 R8
		.... .1..		CVTOS390_020900	"X'02" OS/390 R9
		.... .1..		CVTOS390_R9	"X'02" OS/390 R9
		.... .1..		CVTJ6609	"X'02" OS/390 R9
		.... .1..		CVTH6609	"X'02" OS/390 R9
		.... ...1		CVTOS390_021000	"X'01" OS/390 R10
		.... ...1		CVTOS390_R10	"X'01" OS/390 R10
1267	(4F3)	BITSTRING	1	CVTH7703	"X'01" OS/390 R10
		1..		CVTOSLV3	BYTE 3 OF CVTOSLVL
		.1.		CVTPAUSE	"X'80" Pause/Release services are present
		.1.		CVTPAUS2	"X'40" IEAVAPE2 and related services, and Ownership options.
		.1.		CVTZOS	"X'20" z/OS V1R1
		.1.		CVTZOS_010100	"X'20" z/OS V1R1
		.1.		CVTZOS_V1R1	"X'20" z/OS V1R1
		.1.		CVTJ7713	"X'20" JBB7713
		.1.		CVTLPARC	"X'20" LPAR Clustering is present.
		.1.		CVTZOS_010200	"X'10" z/OS V1R2
		.1.		CVTZOS_V1R2	"X'10" z/OS V1R2
		.1.		CVTH7705	"X'10" HBB7705
		.1.		CVTV64	"X'10" 64-bit virtual services are present. You should ensure FLCARCH (in IHAPSA) is non-zero before using
		.... 1..		CVTZOS_010300	"X'08" z/OS V1R3
		.... 1..		CVTZOS_V1R3	"X'08" z/OS V1R3
		.... 1..		CVTH7706	"X'08" HBB7706
		.... .1..		CVTZOS_010400	"X'04" z/OS V1R4
		.... .1..		CVTZOS_V1R4	"X'04" z/OS V1R4
		.... .1..		CVTH7707	"X'04" HBB7707
		.... .1..		CVTZOS_010500	"X'02" z/OS V1R5
		.... .1..		CVTZOS_V1R5	"X'02" z/OS V1R5
		.... .1..		CVTH7708	"X'02" HBB7708
		.... .1..		CVTZOS_010600	"X'01" z/OS V1R6
		.... ...1		CVTZOS_V1R6	"X'01" z/OS V1R6
1268	(4F4)	BITSTRING	1	CVTH7709	"X'01" HBB7709
		1..		CVTOSLV4	BYTE 4 OF CVTOSLVL
		.1.		CVTCSRSI	"X'80" CSRSI service is available
		.1.		CVTUNICS	"X'40" Unicode callable services available
		.1.		CVTCSRUN	"X'20" CSRUNIC callable service available
		.1.		CVTILM	"X'10" IBM License Manager functions are present
		.... 1..		CVTALRS	"X'08" ASN-and-LX-Reuse architecture is supported. It might not be enabled. See CVTALR.
		.... .1..		CVTTOCP	"X'04" TIMEUSED TIME_ON_CP
		.... .1..		CVTZIIP	"X'02" zIIP support is present
		.... .1..		CVTSUP	"X'02" zIIP support is present
		.... ...1		CVTIFAR	"X'01" IFA routine is present
1269	(4F5)	BITSTRING	1	CVTOSLV5	BYTE 5 OF CVTOSLVL
		1..		CVTZOSE	"X'80" z/OS.e
		1..		CVTZOSAS	"X'80" z/OS.e
		1..		CVTPUMA	"X'80" z/OS.e
		.1.		CVTZOS_010700	"X'40" z/OS V1R7
		.1.		CVTZOS_V1R7	"X'40" z/OS V1R7
		.1.		CVTH7720	"X'40" HBB7720
		.1.		CVTZOS_010800	"X'20" z/OS V1R8
		.1.		CVTZOS_V1R8	"X'20" z/OS V1R8
		.1.		CVTH7730	"X'20" HBB7730
		.1.		CVTZOS_010900	"X'10" z/OS V1R9
		.1.		CVTZOS_V1R9	"X'10" z/OS V1R9
		.1.		CVTH7740	"X'10" HBB7740

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.... 1...		CVTZOS_011000	"X'08" z/OS V1R10	
		.... 1...		CVTZOS_V1R10	"X'08" z/OS V1R10	
		.... 1...		CVTH7750	"X'08" HBB7750	
		.... .1..		CVTZOS_011100	"X'04" z/OS V1R11	
		.... .1..		CVTZOS_V1R11	"X'04" z/OS V1R11	
		.... .1..		CVT_G64CPU_INFRASTRUCTURE	"X'04" G64CPU Infrastructure present	
		.... .1..		CVTH7760	"X'04" HBB7760	
		.... .1..		CVTZOS_011200	"X'02" z/OS V1R12	
		.... .1..		CVTZOS_V1R12	"X'02" z/OS V1R12	
		.... .1..		CVTH7770	"X'02" HBB7770	
		.... .1..		CVTZOS_011300	"X'01" z/OS V1R13	
		.... .1..		CVTZOS_V1R13	"X'01" z/OS V1R13	
		.... .1..		CVTH7780	"X'01" HBB7780	
1270	(4F6)	BITSTRING	1	CVTOSLV6	BYTE 6 OF CVTOSLVL	
		1...		CVTZOS_020100	"X'80" z/OS V2R1	
		1...		CVTZOS_V2R1	"X'80" z/OS V2R1	
		..1.		CVTH7790	"X'80" HBB7790	
		..1.		CVTJ778H	"X'20" JBB778H	
		..1.		CVTZOS_V1R13_JBB778H	"X'20" JBB778H	
		..1.		CVTZOS_011300_JBB778H	"X'20" JBB778H	
1271	(4F7)	BITSTRING	1	CVTOSLV7	BYTE 7 OF CVTOSLVL	
1272	(4F8)	BITSTRING	1	CVTOSLV8	BYTE 8 OF CVTOSLVL	
		1...		CVTPAUS3	"X'80" IEA4xxxx	
		..1.		CVTPAUS4	"X'40" Pause with checkpoint-OK	
		..1.		CVTECT1	"X'20" TIMEUSED ECT=YES with TIME_ON_CP, OFFLOAD_TIME, OFFLOAD_ON_CP	
		...1		CVTOOCP	"X'10" TIMEUSED with TIME_ON_CP and OFFLOAD_ON_CP	
1273	(4F9)	BITSTRING	1	CVTOSLV9	BYTE 9 OF CVTOSLVL	
1274	(4FA)	BITSTRING	1	CVTOSLVA	BYTE 10 OF CVTOSLVL	
1275	(4FB)	BITSTRING	1	CVTOSLVB	BYTE 11 OF CVTOSLVL	
1276	(4FC)	BITSTRING	1	CVTOSLVC	BYTE 12 OF CVTOSLVL	
1277	(4FD)	BITSTRING	1	CVTOSLVD	BYTE 13 OF CVTOSLVL	
1278	(4FE)	BITSTRING	1	CVTOSLVE	BYTE 14 OF CVTOSLVL	
1279	(4FF)	BITSTRING	1	CVTOSLVF	BYTE 15 OF CVTOSLVL	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	CVTVSTGX		
0	(0)	SIGNED	4	CVTBLDLS	- RESERVED - WAS STARTING ADDRESS OF BLDL LIST. MUST BE ZERO NOW.	
4	(4)	SIGNED	4	CVTBLDLE	- RESERVED - WAS ENDING ADDRESS OF BLDL LIST. MUST BE ZERO NOW.	
8	(8)	ADDRESS	4	CVTMLPAS	- STARTING VIRTUAL ADDRESS OF MLPA.	
12	(C)	ADDRESS	4	CVTMLPAE	- ENDING VIRTUAL ADDRESS OF MLPA.	
16	(10)	ADDRESS	4	CVTFLPAS	- STARTING VIRTUAL ADDRESS OF FLPA.	
20	(14)	ADDRESS	4	CVTFLPAE	- ENDING VIRTUAL ADDRESS OF FLPA.	
24	(18)	ADDRESS	4	CVTPLPAS	- STARTING VIRTUAL ADDRESS OF PLPA.	
28	(1C)	ADDRESS	4	CVTPLPAE	- ENDING VIRTUAL ADDRESS OF PLPA.	
32	(20)	ADDRESS	4	CVTRWNS	- STARTING VIRTUAL ADDRESS OF READ-WRITE NUCLEUS. (MDCXXX)	
36	(24)	ADDRESS	4	CVTRWNE	- ENDING VIRTUAL ADDRESS OF READ-WRITE NUCLEUS. (MDCXXX)	
40	(28)	ADDRESS	4	CVTRONS	- STARTING VIRTUAL ADDRESS OF READ-ONLY NUCLEUS. (MDCXXX)	
44	(2C)	ADDRESS	4	CVTRONE	- ENDING VIRTUAL ADDRESS OF READ-ONLY NUCLEUS. (MDCXXX)	
48	(30)	ADDRESS	4	CVTERWNS	- STARTING EXTENDED ADDRESS READ/WRITE NUCLEUS. @(DCR658)	
52	(34)	ADDRESS	4	CVTERWNE	- ENDING EXTENDED ADDRESS READ/WRITE NUCLEUS. @(DCR658)	
56	(38)	ADDRESS	4	CVTEPLPS	- STARTING VIRTUAL ADDRESS OF EXTENDED PLPA.	
60	(3C)	ADDRESS	4	CVTEPLPE	- ENDING VIRTUAL ADDRESS OF EXTENDED PLPA.	
64	(40)	ADDRESS	4	CVTEFLPS	- STARTING VIRTUAL ADDRESS OF EXTENDED FLPA.	
68	(44)	ADDRESS	4	CVTEFLPE	- ENDING VIRTUAL ADDRESS OF EXTENDED FLPA.	
72	(48)	ADDRESS	4	CVTEMLPS	- STARTING VIRTUAL ADDRESS OF EXTENDED MLPA.	
76	(4C)	ADDRESS	4	CVTEMLPE	- ENDING VIRTUAL ADDRESS OF EXTENDED MLPA.	

CVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CVTXTNT1	
0	(0)	ADDRESS	4	CVTFACHN	- ADDRESS OF CHAIN OF DCB FIELD AREAS (ISAM). ICB421
4	(4)	BITSTRING	8	CVT1R004	RESERVED
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CVTXTNT2	
0	(0)	BITSTRING	4	CVT2R000	RESERVED
4	(4)	CHARACTER	1	CVTNUCLS	- IDENTIFICATION OF THE NUCLEUS MEMBER NAME
5	(5)	BITSTRING	1	CVTFLGBT	- Flag byte. This byte is an interface only for bit CVTUNDVM
		1...		CVTNPE	"X'80" - INDICATES NON-PAGING ENVIRONMENT (VM HANDSHAKING) (OS/VS1) (MDC302)
		.1.		CVTVME	"X'40" - INDICATES MACHINE IS OPERATING IN VM ENVIRONMENT (OS/VS1) (MDC303)
		..1.		CVTBAH	"X'20" - INDICATES THAT THE VM/370 - OS/VS1 BTAM AUTOPOLL HANDSHAKE IS OPERATIONAL (OS/VS1) (MDC356)
		...1		CVTUNDVM	"X'10" - Running under VM (this is not the same as running in VM)
6	(6)	BITSTRING	2	CVTI0CID	- EBCDIC IDENTIFIER OF THE ACTIVE I/O CONFIGURATION SPECIFIED BY THE OPERATOR
8	(8)	ADDRESS	4	CVTDEBVR	"V(IFGDEBVR)" - ADDRESS OF BRANCH ENTRY POINT OF DEB VALIDITY CHECK ROUTINE (ICB380) XM9028
12	(C)	ADDRESS	4	CVTCVAF	- POINTER TO THE CVAF TABLE, WHICH CONTAINS THE CVAF BRANCH ENTRY ADDRESS AND NEXT VIB ADDRESS. (MDC410)
16	(10)	ADDRESS	4	CVTMMVT	"V(ICYMMVTC)" ADDRESS OF THE MEDIA MANAGER VECTOR TABLE (MDC410)
20	(14)	ADDRESS	4	CVTNCPV	ADDRESS OF CSA BUFFER POOL - USED BY NETWORK MANAGEMENT FACILITY (NMF)
24	(18)	ADDRESS	4	CVTQID (0)	- SAME AS CVTQIDA BELOW ICB381
24	(18)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTQID
25	(19)	ADDRESS	3	CVTQIDA	- ADDRESS OF QUEUE IDENTIFICATION (QID) TABLE PREFIX ICB381
28	(1C)	ADDRESS	4	CVTOLTEP	- POINTER TO CONTROL BLOCK CREATED BY SVC 59 TO POINT TO PSEUDO-DEB'S
32	(20)	BITSTRING	4	CVT2R020	- RESERVED
36	(24)	ADDRESS	4	CVTAVVT (0)	ADDRESS OF AVM CONTROL BLOCK OWNERSHIP: AVM SERIALIZATION: CS
		1...		CVTAVIN	"X'80" INDICATES AVM INSTALLED
36	(24)	BITSTRING	4		
40	(28)	ADDRESS	4	CVTCCVT	- ADDRESS OF CRYPTOGRAPHIC FACILITY CVT (MDC370)
44	(2C)	ADDRESS	4	CVTSKTA	- ADDRESS OF STORAGE KEY TABLE (VM HANDSHAKING) (OS/VS1) (MDC304)
48	(30)	ADDRESS	4	CVTICB	- ADDRESS OF MASS STORAGE SYSTEM (MSS) CONTROL BLOCK (MDC305)
52	(34)	BITSTRING	1	CVTFBYT1	- FLAG BYTE
		1...		CVTRDE	"X'80" - RELIABILITY DATA EXTRACTOR INDICATOR OWNERSHIP: DFP. SERIALIZATION: NONE.
53	(35)	BITSTRING	3	CVT2R035	- RESERVED

Comment

CVTLDTO contains the offset value needed to adjust the TOD value to the local date and time of day. It is similar to CVTTZ except that CVTLDTO is a doubleword value. CVTLDTOL and CVTTZ contain the same value.

End of Comment

56	(38)	DBL WORD	8	CVTLDTO (0)	LOCAL TIME/DATE OFFSET
56	(38)	SIGNED	4	CVTLDTOL	HIGH WORD
60	(3C)	SIGNED	4	CVTLDTOR	LOW WORD
64	(40)	ADDRESS	4	CVTATCVT	- POINTER TO VTAM'S CVT
		1...		CVTATACT	"X'80" IF ON, VTAM IS ACTIVE MDC081
68	(44)	BITSTRING	4	CVT2R044	- RESERVED
72	(48)	SIGNED	4	CVTBCLMT	- NUMBER OF 130-BYTE RECORDS SET ASIDE FOR BROADCAST MESSAGES
76	(4C)	SIGNED	4	CVT2R04C	RESERVED
80	(50)	DBL WORD	8	CVTLSO (0)	LEAP SECOND OFFSET IN TOD FORMAT
80	(50)	SIGNED	4	CVTLSOH	HIGH WORD
84	(54)	SIGNED	4	CVTLSOL	LOW WORD
88	(58)	BITSTRING	44	CVT2R058	RESERVED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Comment
END OF CVT					
					End of Comment

CVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CVT_G64CPU_INFRASTRUCTURE	4F5	4	CVTCRPTL	4F0	2
CVTABEND	C8		CVTCSOAL	4CC	
CVTADV	3B8		CVTCSOCS	4D8	
CVTAIDVT	2EC		CVTCSOMF	4C8	
CVTALR	179	2	CVTCSPIE	1CC	
CVTALRS	4F4	8	CVTCSRIM	4B4	80
CVTAMFF	108	0	CVTCSRSI	4F4	80
CVTAPF	144		CVTCSRT	220	
CVTAPFA	145		CVTCSRUN	4F4	20
CVTAPFT	278		CVTCSTR	178	4
CVTAPG	18F	7	CVTCTIMS	B7	40
CVTAPR	B6	40	CVTCTLFG	18E	10
CVTAPTHR	B7	8	CVTCTTVT	3F8	
CVTAQAVB	F1		CVTCUCB	64	
CVTAQAVT	F0		CVTCUSE	178	20
CVTAQTOP	224		CVTCVAF	C	
CVTASCBH	234		CVTCVT	60	40C3E5E3
CVTASCBL	238		CVTDAIR	2DC	
CVTASCII	B6	2	CVTDAIRX	90	
CVTASCRF	1B4		CVTDARCM	36C	
CVTASCRL	1B8		CVTDATE	38	0
CVTASMT	2C0		CVTDCEB	74	9B
CVTASVT	22C		CVTDCEBA	75	
CVTATACT	40	80	CVTDCEPA	17B	10
CVTATCVT	40		CVTDCEQA	4E0	
CVTAUSCB	C		CVTDDR	B6	20
CVTAUTHL	1E4		CVTDEBVR	8	
CVTAVIN	24	80	CVTDELCP	1F4	
CVTAVVT	24		CVTDFA	4C0	
CVTBAH	5	20	CVTDICOM	168	80
CVTBCLMT	48	0	CVTDIRST	168	0
CVTBFP	4F2	10	CVTDMSR	110	
CVTBFPH	179	10	CVTDMSRA	111	
CVTBLDCP	1E8		CVTDMSRF	110	0
CVTBLDLE	4	0	CVTDOFFE	48C	
CVTBLDLS	0	0	CVTDOFFS	488	
CVTBRET	52		CVTDPUR	43C	
CVTBSM0F	1AE	B0F	CVTDQIQE	298	
CVTBSM2	1DE	B02	CVTDROMOD	18E	8
CVTBTERM	34		CVTDSSAC	1D6	0
CVTBUF	10		CVTDSTAT	18E	10
CVTCADS	4F0	4	CVTDYAPF	4F1	80
CVTCALL	44A		CVTDYLPA	4F2	80
CVTCBBR	3CC		CVTDYNEX	4F1	20
CVTCBSP	100		CVTDYNL	4F1	4
CVTCCH	B6	80	CVTECT1	4F8	20
CVTCCVT	28		CVTECVT	8C	
CVTCDEQ	3D8		CVTEDAT	179	1
CVTCGK	3E4		CVTEDAT2	17B	1
CVTCKRAS	4C0		CVTEFF02	3D0	
CVTCMPSC	179	80	CVTEFLPE	44	
CVTCMPSH	179	40	CVTEFLPS	40	
CVTCPBDB	480		CVTEHCIR	2E4	
CVTCPDLB	484		CVTEHDEF	2E0	
CVTCPFRE	470		CVTEMLPE	4C	
CVTCPGTC	46C		CVTEMLPS	48	
CVTCPGUB	464		CVTENCLV	4F1	10
CVTCPGUP	468		CVTENFCT	C0	
CVTCPGUS	494		CVTEORM	138	
CVTCRAS	1FC				
CVTCRMN	1F8				

CVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CVTEPLPE	3C		CVTH6601	4F1	2
CVTEPLPS	38		CVTH6603	4F1	4
CVTERWNE	34		CVTH6605	4F2	40
CVTERWNS	30		CVTH6606	4F2	20
CVTESA	4F0	80	CVTH6608	4F2	4
CVTESAME	17A	80	CVTH6609	4F2	2
CVTEVENT	3C4		CVTH7703	4F2	1
CVTEXCL	32C		CVTH7705	4F3	10
CVTEXIT	50		CVTH7706	4F3	8
CVTEXPRO	260		CVTH7707	4F3	4
CVTEXP1	398		CVTH7708	4F3	2
CVTEXSNL	18C	0	CVTH7709	4F3	1
CVTEXSNR	188		CVTH7720	4F5	40
CVTEXT1	FC		CVTH7730	4F5	20
CVTEXT2	148		CVTH7740	4F5	10
CVTEXT2A	149		CVTH7750	4F5	8
CVTE51GN	1AC	80	CVTH7760	4F5	4
CVTE51LN	1AC	40	CVTH7770	4F5	2
CVTFACHN	0		CVTH7780	4F5	1
CVTFBOSV	84		CVTH7790	4F6	80
CVTFBYT1	34	0	CVTICB	30	
CVTFETCH	2D0		CVTICHPT	4D0	
CVTFIX	-100		CVTICPID	5E	0
CVTFLAGS	178		CVTIDEVN	41C	
CVTFLAG1	178	0	CVTIFAR	4F4	1
CVTFLAG2	179	80	CVTIHASU	414	
CVTFLAG3	17A	0	CVTIHVP	124	
CVTFLAG4	17B	80	CVTILM	4F4	10
CVTFLAG5	F4	0	CVTIOBP	2C4	
CVTFLAG6	F5	0	CVTIOCID	6	0
CVTFLAG7	F6	0	CVTIONLV	4A0	0
CVTFLAG8	F7	0	CVTIPCDS	2F0	
CVTFLGBT	5	0	CVTIPCRI	2F4	
CVTFLGCS	5C		CVTIPCRP	2F8	
CVTFLGC0	5C	0	CVTIQD	179	4
CVTFLGC1	5D	0	CVTIRECM	368	
CVTFLPAE	14		CVTISNBR	334	
CVTFLPAS	10		CVTIXAVL	7C	
CVTFP	B7	4	CVTJESCT	128	
CVTFQCB	280	0	CVTJTERM	3FC	
CVTFRAS	204		CVTJ3311	4F0	10
CVTFRECL	1F0		CVTJ3313	4F0	20
CVTFUNC	4A8	0	CVTJ4422	4F0	1
CVTGDA	230		CVTJ5522	4F1	8
CVTGETCL	1EC		CVTJ6602	4F1	1
CVTGETL	15C		CVTJ6604	4F2	80
CVTGLMN	2A8		CVTJ6607	4F2	8
CVTGMBR	350		CVTJ6609	4F2	2
CVTGRRGN	498		CVTJ7713	4F3	20
CVTGRSST	1AC	0	CVTJ778H	4F6	20
CVTGSDA	3B4		CVTKPAR	178	1
CVTGSDAB	3B4	80	CVTLCCAT	300	
CVTGSMQ	264		CVTLDEV	F0	40
CVTGTF	EC		CVTLDTO	38	
CVTGTFA	ED		CVTLDTOL	38	0
CVTGTFAV	EC	80	CVTLDTOR	3C	0
CVTGTFR8	384		CVTLEVL	-2	
CVTGTFST	EC		CVTLFRM	34C	
CVGTRCE	18E	2	CVTLINK	8	
CVTGVRGN	49C		CVTLKR	4F0	8
CVTGV	1B0		CVTLKRM	140	
CVTGXL	118		CVTLKRMA	290	
CVTHID	42C		CVTLKCB	24	
CVTHIPER	4F0	10	CVTLKTA	4DC	
CVTHJES	14C		CVTLKTRM	28	
CVTHJESA	14D		CVTLNKSC	D6	
CVTHSM	3DC		CVTLPARC	4F3	20
CVTH3310	4F0	80	CVTLPDIA	168	
CVTH4410	4F0	8	CVTLPDIR	169	
CVTH4420	4F0	40	CVTLPDSR	160	
CVTH4430	4F1	80	CVTLQCB	284	0
CVTH5510	4F1	20	CVTLSCH	3D4	
CVTH5520	4F1	10	CVTLSMQ	268	
CVTH5530	4F1	4	CVTLSO	50	

CVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CVTLSOH	50	0	CVTOS390_010300		
CVTLSOL	54	0		4F1	4
CVTMAP	0	100	CVTOS390_010400		4F2 80
CVTMAXMP	1DC	1			
CVTMCHPR	134		CVTOS390_020400		4F2 80
CVTMDL	-6				
CVTMDLDS	D0		CVTOS390_020500		4F2 40
CVTMFACT	320	80			
CVTMFCTL	31C		CVTOS390_020600		4F2 20
CVTMFRTR	320				
CVTMLPAE	C		CVTOS390_020700		4F2 8
CVTMLPAS	8				
CVTMMVT	10		CVTOS390_020800		4F2 4
CVTMSER	94				
CVTMSFCB	428		CVTOS390_020900		4F2 2
CVTMSFRM	33C				
CVTMSLT	3C		CVTOS390_021000		4F2 1
CVTMULNF	5C	80			
CVTMVPG	178	10	CVTOVER	178	8
CVTMVSE	74	80	CVTPARMC	4F1	1
CVTMVS2	74	1	CVTPARRL	274	
CVTMZ00	A4	7FFFFFFF	CVTPARS	20C	
CVTNCVP	14		CVTPATCH	DC	
CVTNIP	B6	10	CVTPAUSE	4F3	80
CVTNLOG	B7	10	CVTPAUS2	4F3	40
CVTNOMP	18E	4	CVTPAUS3	4F8	80
CVTNPE	5	80	CVTPAUS4	4F8	40
CVTNUCB	80		CVTPCCAT	2FC	
CVTNUCLS	4	40	CVTPCNVT	1C	
CVTNUCLU	4EC		CVTPERFM	2D8	
CVTNUCMP	4B0		CVTPER2	179	8
CVTNUMB	-4		CVTPGSER	45C	
CVTNVT0	4C4		CVTPLPAE	1C	
CVTNWTCM	F0	20	CVTPLPAS	18	
CVTOLTEP	1C		CVTPPGMX	1A8	
CVTOLTOA	1C4		CVTPRDED	4F1	2
CVTOOCP	4F8	10	CVTPRLTV	20	
CVTOPCTP	25C		CVTPROD	-28	
CVTOPTA	B6	B2	CVTPRODI	-20	40404040
CVTOPTB	B7	30	CVTPRODN	-28	40404040
CVTOPTC	218		CVTPROT	B7	80
CVTOSEXT	74	8	CVTPSXM	430	
CVTOSLVA	4FA	0	CVTPGTGT	1D0	
CVTOSLVB	4FB	0	CVTPTRV	120	
CVTOSLVC	4FC	0	CVTPTRV3	13C	
CVTOSLVD	4FD	0	CVTPUMA	4F5	80
CVTOSLVE	4FE	0	CVTPURG	104	
CVTOSLVF	4FF	0	CVTPURGA	105	
CVTOSLVL	4F0		CVTPUTL	1BC	
CVTOSLV0	4F0	FF	CVTPVBP	318	
CVTOSLV1	4F1	FF	CVTPVTP	164	
CVTOSLV2	4F2	FF	CVTPWI	314	
CVTOSLV3	4F3	FF	CVTP001A	17B	40
CVTOSLV4	4F4	AF	CVTP001I	17B	80
CVTOSLV5	4F5	7F	CVTP002	17B	8
CVTOSLV6	4F6	A0	CVTP002C	17B	4
CVTOSLV7	4F7	0	CVTQABST	D4	
CVTOSLV8	4F8	D0	CVTQCDSR	B8	
CVTOSLV9	4F9	0	CVTQCS01	27C	
CVTOS390	4F1	2	CVTQID	18	
CVTOS390_R1	4F1	2	CVTQIDA	19	
CVTOS390_R10	4F2	1	CVTQLPAQ	BC	
CVTOS390_R2	4F1	1	CVTQMSG	10C	
CVTOS390_R3	4F1	4	CVTQMWR	B0	
CVTOS390_R4	4F2	80	CVTQOCR	AC	
CVTOS390_R5	4F2	40	CVTQSAS	200	
CVTOS390_R6	4F2	20	CVTQTD00	6C	
CVTOS390_R7	4F2	8	CVTQTE00	68	
CVTOS390_R8	4F2	4	CVTQUIS	210	
CVTOS390_R9	4F2	2	CVTQV1	3A8	
CVTOS390_010100			CVTQV2	3AC	
	4F1	2	CVTQV3	3B0	
CVTOS390_010200			CVTRAC	3E0	
	4F1	1	CVTRBCB	16C	

CVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CVTRCEP	490		CVTSOLN	4A8	80
CVTRCP2B	152	0	CVTSOPF	179	20
CVTRDE	34	80	CVTSPD	EC	40
CVTREAL	11C		CVTSPDMC	1D5	0
CVTRECON	380		CVTSPDME	E4	
CVTRECRQ	2BC		CVTSPFRR	35C	
CVTRELNO	-4		CVTSPPIP	4BC	
CVTRENQ	288		CVTSPPOST	2C8	
CVTRI	17B	2	CVTSPSA	2AC	
CVTRLSTG	358	0	CVTSPVLK	18D	
CVTRMBR	348		CVTSRBRT	1C0	
CVTRMPMT	394		CVTSREGN	478	
CVTRMPPT	390		CVTSRM	3E8	
CVTRMS	E0		CVTSSAP	2E8	
CVTRMT	408		CVTSSCR	3C8	
CVTRNIO	EC	2	CVTSSRB	3A0	
CVTRONE	2C		CVTSTB	70	
CVTRONS	28		CVTSTCK	1D8	
CVTRPOST	29C		CVTSTXU	214	
CVTRSCN	194		CVTSUBSP	178	2
CVTRSMWD	178	80	CVTSUP	4F4	2
CVTRSPIE	28C		CVTSUSP	410	
CVTRSTCI	2CC	0	CVTSVDCB	54	
CVTRSTRI	2CE	0	CVTSVPRC	178	40
CVTRSTRS	151	0	CVTSVT	364	
CVTRSTWD	2CC		CVTSV60	240	
CVTRSTW2	150		CVTSV76M	78	0
CVTRSUME	400		CVTSYLK	174	0
CVTRS1AD	1AD	0	CVTSYLKR	174	0
CVTRS1D7	1D7	0	CVTSYLKS	174	FF
CVTRS12C	12C	0	CVTSYSAD	30	
CVTRS150	150	0	CVTS1EE	208	
CVTRS170	170	0	CVTTAS	198	
CVTRS180	180	0	CVTTCASP	3F4	
CVTRS26C	26C	0	CVTTCBP	0	
CVTRS3A4	3A4	0	CVTTCMFG	F0	0
CVTRS3C0	3C0	0	CVTTCRDY	F0	80
CVTRS360	360	0	CVTTCTL	404	
CVTRS374	374	0	CVTTOCP	4F4	4
CVTRS4A1	4A1	0	CVTTOD	B7	20
CVTRS4B5	4B5	0	CVTTPC	58	
CVTRS444	444		CVTTPIO	3BC	
CVTRTLS	4F2	80	CVTTPIOS	254	
CVTRTMCT	23C		CVTTPUR	438	
CVTRTMS	250		CVTTRCRM	19C	
CVTRT03	17C		CVTTRPOS	440	
CVTRWNE	24		CVTTSCE	D8	
CVTRWNS	20		CVTTSKI	460	
CVTSAF	F8		CVTTVT	9C	
CVTSCAN	1E0		CVTTX	17B	8
CVTSCBP	248		CVTTXC	17B	4
CVTSCPIN	340		CVTTXJ	18E	80
CVTSDBF	24C	80000000	CVTTXTE	18E	80
CVTSDMP	244		CVTTZ	130	0
CVTSDRM	21C		CVTT6SVC	40C	
CVTSDTRC	18E	1	CVTUCBA	4E4	
CVTSDUMP	110	80	CVTUCBSC	434	
CVTSFR	114		CVTUCBSV	4F0	8
CVTSFV	418		CVTUDUMP	110	40
CVTSHRVM	1A0		CVTUNDVM	5	10
CVTSIC	258		CVTUNICS	4F4	40
CVTSIGPT	1D4	1E	CVTUSER	CC	
CVTSKTA	2C		CVTUSR	EC	4
CVTSLID	175		CVTVACR	37C	
CVTSLIDA	174		CVTVEAC0	2A4	
CVTSLIST	474		CVTVERID	-18	40404040
CVTSLOC	47C		CVTVESTU	4E8	
CVTSMCA	C4		CVTVFCB	458	
CVTSMEXT	4AC		CVTVFGET	450	
CVTSMFEX	1C8		CVTVFIND	44C	
CVTSMFSP	424		CVTVFMEM	454	
CVTSMF83	420		CVTVME	5	40
CVTSNAME	154	40404040	CVTVPRM	4C	
CVTSNCTR	B4	0	CVTVPSA	38C	

CVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CVTVPSIB	324			4F5	8
CVTVPSM	4E	0	CVTZOS_011100		
CVTVSI	328			4F5	4
CVTVSS	4C	0	CVTZOS_011200		
CVTVSTGX	0			4F5	2
CVTVSTOP	388		CVTZOS_011300		
CVTVS1A	B7	2		4F5	1
CVTVS1B	B7	1	CVTZOS_011300_JBB778H		
CVTVTAM	4B8			4F6	20
CVTVVMDI	228		CVTZOS_020100		
CVTVWAIT	270			4F6	80
CVTV64	4F3	10	CVTZOSAS	4F5	80
CVTWLM	4F1	40	CVTZOSE	4F5	80
CVTWSAC	2B8		CVTZ1	F4	80
CVTWSAG	2B4		CVT0DS	88	
CVTWSAL	2B0		CVT0EF00	4	
CVTWSMA	344		CVT0EF01	48	
CVTWSPR	EC	20	CVT0PT0E	3EC	
CVTWTCB	378		CVT0PT01	98	
CVTXAFL	4B4	0	CVT0PT02	370	
CVTXAPG	14		CVT0PT03	3F0	
CVTXAX	4F0	80	CVT0SCR1	E8	
CVTXCPCT	448	1F4	CVT0TC0A	354	
CVTXEXTR	338		CVT0VL00	18	
CVTXITP	44		CVT0VL01	1A4	
CVTXPFP	B6	1	CVT040ID	A0	0
CVTXSFT	304		CVT044R2	2D4	
CVTXSTKN	30C		CVT062R1	2A0	
CVTXSTKS	308		CVT1EF00	A8	
CVXTLER	2C		CVT1R004	4	0
CVTXTNT1	0		CVT1SSS	74	40
CVTXTNT2	0		CVT121TR	B6	4
CVTXUNSN	330		CVT2R000	0	0
CVTXUNSS	310		CVT2R020	20	0
CVTZARCH	17A	80	CVT2R035	35	0
CVTZDTAB	40		CVT2R04C	4C	0
CVTZIIP	4F4	2	CVT2R044	44	0
CVTZNALC	17B	20	CVT2R058	58	0
CVTZOS	4F3	20	CVT2SPS	74	20
CVTZOS_V1R1	4F3	20	CVT4MPS	74	4
CVTZOS_V1R10	4F5	8	CVT4MS1	74	10
CVTZOS_V1R11	4F5	4	CVT6DAT	74	2
CVTZOS_V1R12	4F5	2	CVT8AOS2	74	12
CVTZOS_V1R13	4F5	1			
CVTZOS_V1R13_JBB778H					
	4F6	20			
CVTZOS_V1R2	4F3	10			
CVTZOS_V1R3	4F3	8			
CVTZOS_V1R4	4F3	4			
CVTZOS_V1R5	4F3	2			
CVTZOS_V1R6	4F3	1			
CVTZOS_V1R7	4F5	40			
CVTZOS_V1R8	4F5	20			
CVTZOS_V1R9	4F5	10			
CVTZOS_V2R1	4F6	80			
CVTZOS_010100					
	4F3	20			
CVTZOS_010200					
	4F3	10			
CVTZOS_010300					
	4F3	8			
CVTZOS_010400					
	4F3	4			
CVTZOS_010500					
	4F3	2			
CVTZOS_010600					
	4F3	1			
CVTZOS_010700					
	4F5	40			
CVTZOS_010800					
	4F5	20			
CVTZOS_010900					
	4F5	10			
CVTZOS_011000					

CXSA Information

CXSA Heading Information

Common Name: SVC 72 Extended Save Area
Macro ID: IEZVD002
DSECT Name: CXSA
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Yes
 Subpool: 245 (231 when IEAVSWCH invokes CNZS1CNF)
 Key: 0
Size: CXSA -- 'X'0041' bytes
Created by: SVC 72 Routines, IEAVSWCH
Pointed to by: N/A
Serialization: N/A
 \$MAC(IEAVC002) COMP(SC1CK): SVC 72 Extended Save Area
Function: Contains work and save areas for
 SVC 72 routines.

CXSA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	65	CXSA	
0	(0)	ADDRESS	4	CSANPTR	PTR TO CSANAME
4	(4)	ADDRESS	4	CSADCBP	FRR WORK, INITIALIZED TO 0
8	(8)	CHARACTER	8	CSANAME	EBCDIC NAME OF MODULE CALLED
16	(10)	CHARACTER	4	CSAUCM	CODE AND UCM PTR
16	(10)	UNSIGNED	1	CSACODE	Failure Reason Code
17	(11)	ADDRESS	3	CSAUCMA	UCME PTR OR CPU ID OR 0
20	(14)	ADDRESS	4	CSACTLM	PTR TO UCM BASE

Comment

FIELDS CSAXA, CSAXB, CSAXC, CSAXD, CSAXE, AND CSAXF ARE FOR THE GENERAL USE OF INDIVIDUAL MODULES. IN THE CASES WHERE MULTIPLE DEFINITIONS ARE MADE OF THESE FIELDS, THE USAGE OF THE NEW DEFINITIONS ARE EXPLAINED

End of Comment

24	(18)	ADDRESS	4	CSAXA	
28	(1C)	ADDRESS	4	CSAXB	
32	(20)	ADDRESS	4	CSAXC	
36	(24)	ADDRESS	4	CSAXD	
40	(28)	ADDRESS	4	CSAXE	
44	(2C)	ADDRESS	4	CSAXF	

Comment

THIS POINT IS THE END OF THE SVC72 PARAMETER LIST. WARNING - The following fields must only be used by Console Failure, never by DIDOCS!

End of Comment

48	(30)	CHARACTER	8	CSASWCN1	Failing Console Name
56	(38)	CHARACTER	8	CSARSV1	Reserved (was CSASWCN2)
64	(40)	BITSTRING	1	CSAFLAG1	FLAG BYTE
		1... ..		CSARSV2	Reserved (was CSANOBU)
		.1... ..		CSAXSYSR	HOLDING SYSPLEX RESOURCES
		..1.		CSA_FREE_CXSA	
		...1 1111		*	Console Failure routine should free this CXSA RESERVED

CXSA Constants • CXSA Cross Reference

CXSA Constants

Len	Type	Value	Name	Description
Comment				
THE FOLLOWING CONSTANTS ARE SET INTO FIELD CSACODE BY ANY MODULE BEFORE CALLING IEAVSWCH, issuing SVC 72 for Console Failure or invoking CNZS1CNF.				
End of Comment				
1	DECIMAL	5	CSAIOER	Console had an I/O error
1	DECIMAL	6	CSASWER	Console has a S/W error
1	DECIMAL	9	CSAOPER	Console failed during OPEN
1	DECIMAL	32	CSACFCHP	CONFIG CHP COMMAND
1	DECIMAL	33	CSASFAL	System failure caused a console to fail
Comment				
THE FOLLOWING CONSTANTS WILL BE SET BY IEAVSWCH INTO CSACODE BEFORE CALLING A DSP TO OPEN OR CLOSE A CONSOLE.				
End of Comment				
1	DECIMAL	0	CSAOPEN	TEST CSACODE FOR OPEN REQUEST, ONLY USED IN DIDOCS
1	DECIMAL	4	CSACLOSE	TEST CSACODE FOR CLOSE REQUEST, ONLY USED IN DIDOCS
Comment				
THE FOLLOWING CONSTANT IS USED IN IEAV1443 AND IEECVETW TO INDICATE THAT OPEN OR CLOSE PROCESSING HAS BEEN COMPLETED AND THE X-SYSTEM SERVICE SHOULD BE INVOKED TO UPDATE UCME				
End of Comment				
1	DECIMAL	255	CSAXSYS	TEST CSACODE FOR X-SYSTEM UPDATE

CXSA Cross Reference

Name	Hex Offset	Hex Value
CSA_FREE_CXSA		
CSA_FREE_CXSA	40	20
CSACODE	10	
CSACTLM	14	
CSADCBP	4	
CSAFLAG1	40	
CSANAME	8	
CSANPTR	0	
CSARSV1	38	
CSARSV2	40	80
CSASWCN1	30	
CSAUCM	10	
CSAUCMA	11	
CSAXA	18	
CSAXB	1C	
CSAXC	20	
CSAXD	24	
CSAXE	28	
CSAXF	2C	
CSAXSYSR	40	40
CXSA	0	

CXT Information

CXT Programming Interface information

Programming Interface information

CXT

End of Programming Interface information

CXT Heading Information • CXT Map

CXT Heading Information

Common Name: Parameter list for DLF installation exit initialization, query, connect, and disconnect.
Macro ID: COFZCXIT
DSECT Name: CXT
Owning Component: Data Lookaside Facility (SC164)
Eye-Catcher ID: CXT
 Offset: 0
 Length: 3
Storage Attributes: Key: 0
Size: 160 bytes
Created by: COFMCONN, COFMDISC, COFMSCHK
Pointed to by: Register 1 on entry to the DLF Installation exit
Serialization: None
Function: COFZCXIT maps the parameters passed to the DLF installation exit used to control connects and disconnects to shared data objects. The exit is also queried to determine whether a particular data object is ever eligible for connection. In addition to the above functions, the exit also sets up the data used to control connects and disconnects to shared data objects.

CXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CXT	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	3	CXTACRO	* Eye catcher 'CXT'
Comment					
Constant for CXTACRO					
End of Comment					
0	(0)	'X'C3E7E3'	0	CXTACROC	"C'CXT'" * CXT acronym constant
3	(3)	SIGNED	1	CXTVERS	* Version
Comment					
Constant for CXTVERS					
End of Comment					
		.... ..1		CXTVERSC	"X'01'" * CXT version number constant
4	(4)	SIGNED	1	CXTFUN	* Function code for the exit
Comment					
Constants for CXTFUN					
End of Comment					
		.... ..1		CXTFUNIN	"X'00'" * This is an initialization function
		.... ..1		CXTFUNQU	"X'01'" * This is a query function
		.... ..1		CXTFUNCO	"X'02'" * This is a connect function
		.... ..11		CXTFUNDI	"X'03'" * This is a disconnect function
5	(5)	CHARACTER	3	CXTRSV05	* Reserved
8	(8)	CHARACTER	64	CXTOBNAM	* Object name (CXTVOL,CXTDSN,CXTRSV3A)
8	(8)	CHARACTER	6	CXTVOL	* Volume Serial of the data set
14	(E)	CHARACTER	44	CXTDSN	* Data set name (fully qualified, no quotes).
58	(3A)	CHARACTER	14	CXTRSV3A	* Reserved
72	(48)	SIGNED	4	CXTNUMSG	* Number of full 2GB segments requested for this object. If a fractional number of 2GB segments was requested, CXTLSGSZ contains the size of the fractional segment. Total size is computed as CXTNUMSG*2GB + CXTLSGSZ.
76	(4C)	SIGNED	4	CXTLSGSZ	* Fractional portion of size of the object which is not a multiple of 2GB. (0 <= CXTLSGSZ < 2GB)
80	(50)	CHARACTER	8	CXTJOBNM	* Current Job name
88	(58)	CHARACTER	8	CXTUSRNM	* Current User name
96	(60)	SIGNED	4	CXTMEXPB	* MAXEXPB value from parmlib member (COFDLFxx). Maximum total expanded storage (in 4K blocks) concurrently usable by DLF objects.
100	(64)	CHARACTER	4	CXTMREBS	* Computed as (PCTRETB * MAXEXPB)/100 from parmlib (COFDLFxx). Maximum total expanded storage (in 4K blocks) concurrently usable by retainable DLF objects.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
104	(68)	CHARACTER	4	CXTMNREB	* Computed as MAXEXPB-CXTMREBS . Maximum total expanded storage (in 4K blocks) concurrently usable by non-retainable shared data objects of this class.
108	(6C)	SIGNED	4	CXTUDAB	* Address of the User Data area Anchor Block.
112	(70)	CHARACTER	28	CXTRSV70	* Reserved
140	(8C)	BITSTRING	1	CXTIFLGS	* Input Flags to the Exits
					Comment
Constant for CXTIFLGS					
					End of Comment
		1...		CXTDSC	"X'80" * '1'B - This DLF object is for Hiperbatch.
					Comment
7 bits reserved in CXTIFLGS					
					End of Comment
141	(8D)	BITSTRING	1	CXTSFLGS	* Flags set according to information obtained from the security product (e.g. RACF) .
					Comment
Constant for CXTSFLGS					
					End of Comment
		1...		CXTPROF	"X'80" * '1'B - security profile exists
		.1.		CXTUAUTH	"X'40" * '1'B - user is authorized to access the requested object
		..1.		CXTJAUTH	"X'20" * '1'B - job is authorized to access the requested object
		...1		CXTSRTN	"X'10" * '1'B - this object is eligible to be retained when disconnected
					Comment
4 bits reserved in CXTSFLGS					
					End of Comment
142	(8E)	BITSTRING	1	CXTOFLGC	* CONN: Flags which may be changed by the CONNECT exit
					Comment
Constants for CXTOFLGC 8 bits reserved in CXTOFLGC					
					End of Comment
143	(8F)	BITSTRING	1	CXTOFLGD	* DISC: Flags which may be changed by the
					Comment
DISCONNECT exit 8 bits reserved in CXTOFLGD					
					End of Comment
144	(90)	CHARACTER	16	CXTUDATA	* User Exit Data. 16 bytes of data that are controlled by the user exit.
144	(90)	BITSTRING	1	CXTDSCFD	* Flags which may be changed by the exit. Returned to the caller via USERDATA
					Comment
Constants for CXTDSCFD					
					End of Comment
		1...		CXTRTAIN	"X'80" * '1'B - Object is to be retained even if there are no connected users. '0'B - Object is to be deleted if there are no connected users. For Hiperbatch, this may be set on a CONNECT only!
		.1.		CXTTSTMD	"X'40" * '1'B - Test Mode was indicated in Parmlib member COFXITnn
145	(91)	CHARACTER	3	CXTRSV91	
148	(94)	SIGNED	4	CXTDSMAX	* QRY:CONN: Maximum number of VSAM/QSAM data sets for which DLF objects may exist simultaneously. This value is only used after the first query or connect call to the exit without regard to the return code set by the exit. DEFAULT: 50
152	(98)	CHARACTER	8	CXTRSV98	
160	(A0)	CHARACTER	1	CXTEND (0)	* End of mapping

CXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
160	(A0)	X'A0'	0	CXTPLEN	""-CXT" * Length of Exit Parm
Comment					

%COFZCXIT1::

%DECLARE CXITBASED CHAR EXT;

Map the DLF Installation Exit Interface

DECLARE

- 1 CXT CXITBASED BDY(DWORD),
- 3 CXTACRO CHAR(3), Eye catcher 'CXT'
- 3 CXTVERS FIXED(8), Version
- 3 CXTFUN FIXED(8), Function code for the exit.
 - '00'X - This is an initialization request
 - '01'X - This is a query request
 - '02'X - This is a connect req
 - '03'X - This is a disconnect
- 3 CXTRSV05 CHAR(3), Reserved
- 3 CXTOBNAM CHAR(64), Object name
- 5 CXTVOL CHAR(6), Volume Serial of the data set
- 5 CXTDSN CHAR(44), Data set name (fully qualified, no quotes).
- 5 CXTRSV3A CHAR(14), Reserved
- 3 CXTNUMSG FIXED(31), Number of full 2GB segments requested for this object. If a fractional number of 2GB segments was requested, CXTLSGSZ contains the size of the fractional segment. Total size is computed as CXTNUMSG 2GB + CXTLSGSZ.
- 3 CXTLSGSZ FIXED(31), Fractional portion of the size of the object which is not a multiple of 2GB.
 - (0 <= CXTLSGSZ < 2GB)
- 3 CXTJOBNM CHAR(8), Current Job name
- 3 CXTUSRNM CHAR(8), Current User name
- 3 CXTMEXPB FIXED(31), MAXEXPB value from parmlib (COFDLFxx). Maximum total expanded storage (in 4K blocks) concurrently usable by shared data objects of this class.
- 3 CXTMREBS FIXED(31), Computed as (PCTRETB MAXEXPB)/100 from parmlib (COFDLFxx). Maximum total expanded storage (in 4K blocks) concurrently usable by retainable shared data objects of this class.
- 3 CXTMNREB FIXED(31), Computed as MAXEXPB-CXTMREBS . Maximum total expanded storage (in 4K blocks) concurrently usable by retainable shared data objects of this class.
- 3 CXTUDAB PTR(31), Address of the User Data area anchor block
- 3 CXTRSV70 CHAR(28), Reserved
- 3 CXTFLAGS CHAR(4), Flag fields
- 5 CXTIFLGS BIT(8), Input Flags to the Exits
- 7 CXTDSC BIT(1), '1'B - This shared object is

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Hiperbatch.
		7 BIT(7), Reserved			
		5 CXTSFLGS BIT(8), Flags set according to information obtained from the security product (e.g. RACF).			
		7 CXTPROF BIT(1), '1'B - security profile exists			
		7 CXTUAUTH BIT(1), '1'B - user is authorized to access the requested object			
		7 CXTJAUTH BIT(1), '1'B - job is authorized to access the requested object			
		7 CXTSRTN BIT(1), '1'B - this object is eligible to be retained when disconnected			
		7 BIT(4), Reserved			
		5 CXTOFLGC BIT(8), CONN: Flags which may be changed by the CONNECT exit			
		7 CXTRSV8E BIT(8), Reserved			
		5 CXTOFLGD BIT(8), DISC: Flags which may be changed by the DISCONNECT exit			
		7 CXTRSV8F BIT(8), Reserved			
		3 CXTUDATA CHAR(16) BDY(DWORD), User Exit Data. 16 bytes of data that are controlled by the user exit.			
		5 CXTDSCFD BIT(8), Flags which may be changed by the installation exit. Returned to the caller via USERDATA.			
		7 CXTRTAIN BIT(1), '1'B - Object is to be retained even if there are no connected users. '0'B - Object is to be deleted if there are no connected users. For Hiperbatch, this bit may be set during a CONNECT only!			
		7 CXTTSTMD BIT(1), '1'B - Test Mode was indicated in Parmlib member COFXITnn			
		7 BIT(6), Reserved			
		5 CXTRSV91 CHAR(3), Reserved			
		5 CXTDSMAX FIXED(32) BDY(WORD), QRY:CONN: Maximum number of VSAM/QSAM data sets for which DLF objects may exist simultaneously. This value is only used after the first query or connect call to the exit without regard to the return code set by the exit. DEFAULT: 50			
		5 CXTRSV98 CHAR(8), Reserved			
		3 CXTEND CHAR(0); End of mapping			
		The following fields are constants that can be used to set CXTACRO or CXTVERS			
		DCL			
		CXTACROC CHAR(3) CONSTANT('CXT'), CXT Acronym constant			
		CXTVERSC FIXED(8) CONSTANT(1); CXT version number			
		The following fields are constants that can be used to set CXTFUN.			
		DCL			
		CXTFUNIN FIXED(8) CONSTANT(0), Function is initialization			
		CXTFUNQU FIXED(8) CONSTANT(1), Function is a query			
		CXTFUNCO FIXED(8) CONSTANT(2), Function is a connect			
		CXTFUNDI FIXED(8) CONSTANT(3); Function is a disconnect			
		End of Comment			

CXT Cross Reference

CXT Cross Reference

Name	Hex Offset	Hex Value
CXT	0	
CXTACRO	0	
CXTACROC	0	C3E7E3
CXTDSC	8C	80
CXTDSCFD	90	
CXTDSMAX	94	
CXTDSN	E	
CXTEND	A0	
CXTFUN	4	
CXTFUNCO	4	2
CXTFUNDI	4	3
CXTFUNIN	4	0
CXTFUNQU	4	1
CXTIFLGS	8C	
CXTJAUTH	8D	20
CXTJOBNM	50	
CXTLSGSZ	4C	
CXTMEXPB	60	
CXTMNREB	68	
CXTMREBS	64	
CXTNUMSG	48	
CXTOBNAM	8	
CXTOFLGC	8E	
CXTOFLGD	8F	
CXTPLEN	A0	A0
CXTPROF	8D	80
CXTRSV05	5	
CXTRSV3A	3A	
CXTRSV70	70	
CXTRSV91	91	
CXTRSV98	98	
CXTRTAIN	90	80
CXTSFLGS	8D	
CXTSRTN	8D	10
CXTTSTMD	90	40
CXTUAUTH	8D	40
CXTUDAB	6C	
CXTUDATA	90	
CXTUSRNM	58	
CXTVERS	3	
CXTVERSC	3	1
CXTVOL	8	

DAIT Information

DAIT Heading Information

Common Name: Display Allocation Index Table (DAIT)
Macro ID: IEFZB4H3
DSECT Name: DAIT
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: DAIT
 Offset: 0
 Length: 4

Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: 230
 Key: 1
 Data Space: No
 Residency: Any

Size: DAITHDR is 24 decimal bytes
 DAITENTR is 8 decimal bytes and there is one for each unit in the system

Created by: The DAIT is created by the Allocation Address Space Initialization routine (IEFHB411).

Pointed to by: The DAIT is anchored by the ADBDAIT field of the ADB structure (IEFZB4H1).

Serialization: None.

Function: This macro provides a symbolic mapping which contains pointers to DALTs for each unit. To access the DALT for a unit, use the unit address as an index into the DAIT. It also points to the ONLINE AUTOSWITCH DEVICE control block (CASE/390 IEFZB4H5) if the unit was ever ONLINE and AUTOSWITCH

DAIT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DAIT	DISPLAY ALLOCATION INDEX TABLE
0	(0)	CHARACTER	24	DAITHDR	HEADER OF DAIT
0	(0)	CHARACTER	4	DAITID	ACRONYM: DAIT
4	(4)	SIGNED	4	DAITMAXA	Maximum ASID value
8	(8)	SIGNED	4	DAITMAXD	Maximum device number
12	(C)	ADDRESS	4	DAITACHN	Chain of available DALTs
16	(10)	SIGNED	4	DAITDLEN	The length of a DALT
20	(14)	CHARACTER	4	*	Reserved
24	(18)	CHARACTER	8	DAITENTR (*)	DAIT ENTRIES
24	(18)	ADDRESS	4	DAITDALT	Address of the DALT for unit associated with the DAIT index.
28	(1C)	ADDRESS	4	DAITOASD	address of the ONLINE AUTOSWITCH element (IEFZB4H5) if applicable

DAIT Constants

Len	Type	Value	Name	Description
Comment				
Associated declares				
End of Comment				
4	CHARACTER	DAIT	DAITACRO	DAIT acronym

DAIT Cross Reference

DAIT Cross Reference

Name	Hex Offset	Hex Value
DAIT	0	
DAITACHN	C	
DAITDAL	18	
DAITDLEN	10	
DAITENTR	18	
DAITHDR	0	
DAITID	0	
DAITMAXA	4	
DAITMAXD	8	
DAITOASD	1C	

DALT Information

DALT Heading Information

Common Name: Display allocation lookup table (DALT)
Macro ID: IEFZB4H0
DSECT Name: DALT
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: DALT
 Offset: 0
 Length: 4

Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: 230
 Key: 1
 Data Space: No
 Residency: Any

Size: DALTHDR is 8 decimal bytes
 DALTENTR is 2 decimal bytes and there is one for each possible address space in the system

Created by: DALTs are created by the Allocation Address Space Initialization routine (IEFHB411) and by the Update Allocation Tables routine (IEFHB420).

Pointed to by: DALTs are anchored by the DAITDALT array entries of the DAIT structure (IEFZB4H3).

Serialization: None.

Function: This macro provides a symbolic mapping of the use counts for a unit, for each address space. To locate the use counts for a particular device, use the unit address as an index into the DAIT. To locate the use count for a particular address space, use the ASID as an index into the DALT.

DALT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DALT	DISPLAY ALLOCATION LOOKUP TABLE
0	(0)	CHARACTER	8	DALTHDR	HEADER OF DALT
0	(0)	CHARACTER	4	DALTID	ACRONYM: DALT
4	(4)	ADDRESS	4	DALTNEXT	Ptr to next available DALT
8	(8)	CHARACTER	2	DALTENTR (*)	BEGINNING OF DALT ENTRIES
8	(8)	UNSIGNED	2	DALTUSE	UNIT USE COUNT FOR THIS ASID

DALT Constants

Len	Type	Value	Name	Description
4	CHARACTER	DALT	DALTACRO	DALT acronym

DALT Constants

DCCB Information

DCCB Heading Information

Common Name: DISABLED CONSOLE COMMUNICATION BLOCK
Macro ID: IEEDCCB
DSECT Name: DCCB (Disabled Console Communication Block), DCCBMSG (DCCB Message Array), DCCBMSG (Single Message in Array), DCCBCONS (DCCB Communication Area)
Owning Component: Console Services (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 245 or 239 - THE STORAGE USED FOR AND POINTED TO BY THIS INTERFACE MUST BE FIXED.
Size: 1280 bytes
Created by: MODULE: IEAVBWTO DESCRIPTION: Console Services.
 IEAVBNLK Console Services.
 IEAVNWTO Console Services.
 IEEVDCCA Console Services.
Pointed to by: DCCBPTR
Serialization: None
Function: To provide the interface between the disabled console communication facility routines and its callers. This interface contains data and message text to provide diagnostic and problem-determination assistance to the system operator in conditions where the normal interactive facilities cannot be used.

DCCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	DCCB	ADDRESSABILITY ESTABLISHED VIA DCCBPTR
0	(0)	ADDRESS	4	DCCBSCRN	ADDRESS OF MESSAGE ARRAY
4	(4)	ADDRESS	4	DCCBRPLY	If reply is expected, points to a 75 byte field where the reply is placed.
8	(8)	BITSTRING	1	DCCB_OUTPUT_FLAGS	Output flags
		1... ..		DCCB_SENT_VIA_SYSCONS	Data was sent to the system console
		.1.		DCCB_AUTOR_REPLY_TIMED_OUT	Time expired before a reply was provided
9	(9)	BITSTRING	1	DCCB_INPUT_REQUESTS	Input requests
		1... ..		DCCB_NO_WAIT_AFTER_MSG	Do not wait after the message is displayed
		.1.		DCCB_NOTIFY_MSG	The message is a Synch WTOR notification message
10	(A)	CHARACTER	2	DCCBINTF	Interface flags for input.
		1... ..		DCCBNOHO	DO NOT HOLD AN INFORMATIONAL MESSAGE ON THE SCREEN.
		.1.		DCCBDSAB	DO NOT ENABLE FOR I/O INTERRUPTS. CALLER MAY HOLD A UCB OR HIGHER LOCK - OBTAIN LOCK CONDITIONALLY.
		..1.		DCCBNPST	DO NOT POST CONSOLE SERVICES TO PERFORM CONSOLE CLEANUP.
		...1		DCCBNORV	Do not validate reply.
		.... 1...		DCCBNOTM	Do not time out waiting for reply.
		.... .1..		DCCBNOAL	Do not sound console alarm.
		.... .1.		DCCBNHDR	Do not display header message.
		.... ...1		DCCBNOEI	Do not use OMAR.
11	(B)	1... ..		DCCBNOER	Do not erase the screen before displaying the message.
		.1.		DCCBQNIP	Send message to NIP console
		..1.		DCCBLWWC	Message is associated to a wait state request. An attempt will be made to use OMAR if necessary
		...1		DCCBONRS	OMAR needs to be reset. This flag is an output bit.
		.... 1...		DCCBRSOO	Reset OMAR only.
		.... .1..		DCCBNLCK	Do not enter lock mgr
		.... .1.		DCCBUCON	Try to write to specified console first
		.... ...1		DCCB_AUTOR_DATA	WTOR has Auto-Reply data
12	(C)	ADDRESS	4	DCCBINF@	Address of communication area for additional console information.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DCCBMSG	MESSAGE ARRAY. FORMATS A LINE OF THE MESSAGE THAT WILL BE ADDRESSED FROM DCCBSCRN OR DCCBNEXT.

DCCB Constants • DCCB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	ADDRESS	4	DCCBNEXT	POINTS TO THE NEXT LINE OF MESSAGE TO BE PUT ON THE SCREEN OR ZERO FOR THE LAST LINE.
4	(4)	CHARACTER	*	DCCBWPL	
4	(4)	CHARACTER	4	DCCBMPFX	MESSAGE PREFIX DATA.
4	(4)	SIGNED	2	DCCBDLEN	LENGTH OF MESSAGE TEXT (DCCBDATA) PLUS LENGTH OF MESSAGE PREFIX (DCCBMPFX).
6	(6)	CHARACTER	2	DCCBMCS	Reserved.
8	(8)	CHARACTER	*	DCCBDATA	TEXT TO BE PUT ON THE CONSOLE'S SCREEN.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	DCCBMSG	THE MESSAGE THAT WILL BE ADDRESSED FROM DCCBSCRN OR DCCBNEXT.
0	(0)	CHARACTER	8	DCCBARYD	ARRAY DATA.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	DCCBCONS	Communication area for additional console info.
0	(0)	CHARACTER	8	DCCBDEST	Output: Console written to Input: Console to write to
0	(0)	CHARACTER	4	DCCBUCME	Copy of DWSAG_CNSL_UCMEDVEPT from console write (pointer to UCME)
4	(4)	UNSIGNED	1	DCCBCARQ	Copy of console request type from console write
5	(5)	CHARACTER	3	*	Reserved
8	(8)	ADDRESS	4	DCCBSYCI	Information needed by IEEVDCCA in case the destination is the system console.
12	(C)	UNSIGNED	2	DCCB_AUTOR_DELAY	Time is in seconds
14	(E)	CHARACTER	2	*	Reserved
16	(10)	CHARACTER	8	DCCB_AUTOR_ELAPSED_TOD	Time WTOR should be replied to
24	(18)	CHARACTER	8	*	Reserved

DCCB Constants

Len	Type	Value	Name	Description
4	DECIMAL	14	DCCB_CALLER_LINES	
4	DECIMAL	1	DCCB_RESPONSE_LINES	Number of DCCB message text lines allowed on input
4	DECIMAL	1280	DCCB_MAX_LENGTH	Number of lines allowed for WTOR response
				Maximum size of a DCCB

DCCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCCB	0		DCCBDLEN	4	
DCCB_AUTOR_DATA	B	01	DCCBDSAB	A	40
DCCB_AUTOR_DELAY	C		DCCBINF@	C	
DCCB_AUTOR_ELAPSED_TOD	10		DCCBINTF	A	
DCCB_AUTOR_REPLY_TIMED_OUT	8	40	DCCBLWWC	B	20
DCCB_INPUT_REQUESTS	9		DCCBMCS	6	
DCCB_NO_WAIT_AFTER_MSG	9	80	DCCBMPFX	4	
DCCB_NOTIFY_MSG	9	40	DCCBMSG	0	
DCCB_OUTPUT_FLAGS	8		DCCBMSGGS	0	
DCCB_SENT_VIA_SYSCONS	8	80	DCCBNEXT	0	
DCCBARYD	0		DCCBNHDR	A	02
DCCBCARQ	4		DCCBNLCK	B	04
DCCBCONS	0		DCCBNOAL	A	04
DCCBDATA	8		DCCBNOEI	A	01
DCCBDEST	0		DCCBNOER	B	80
			DCCBNOHO	A	80
			DCCBNORV	A	10
			DCCBNOTM	A	08
			DCCBNPST	A	20
			DCCBONRS	B	10
			DCCBQIP	B	40
			DCCBRPLY	4	
			DCCBRSOO	B	08
			DCCBSCRN	0	

Name	Hex Offset	Hex Value
DCCBSYCI	8	
DCCBUCME	0	
DCCBUCON	B	02
DCCBWPL	4	

DCCD Information

DCCD Programming Interface information

Programming Interface information

DCCD

End of Programming Interface information

DCCD Heading Information • DCCD Map

DCCD Heading Information

Common Name: Dynamic Configuration Change Data
Macro ID: IOSDDCCD
DSECT Name: DCCD, DCCDARRAY, DCCDEDEV, DCCDEPCU, DCCDECHP
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: DCCD
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 1
 Key: 0
Size: VARIABLE
Created by: The IOS Configuration Change Manager.
Pointed to by: Register 1 points to the address of IOSDDCCD when the Configuration Change Exit receives control.
Serialization: None
Function: IOSDDCCD maps the Dynamic Configuration Change Data which contains the I/O components and coupling facility components that were changed as a result of a dynamic configuration change. The DCCD is passed as input to the CONFCHG CHGREQ and CONFCHG CHGCOMPL exits. In addition, fields from the DCCD are placed in the SMF record type 22 subtype 9, which identifies a dynamic configuration change.

DCCD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DCCD	
0	(0)	X'0'	0	DCCDHDR	*** Header information
0	(0)	CHARACTER	4	DCCDID	Control block acronym
4	(4)	BITSTRING	1	DCCDVERN	DCCD version number
5	(5)	SIGNED	1	DCCDFUNC	For CONFCHG CHGREQ exit, indicates function to be performed. Otherwise, zero.
6	(6)	BITSTRING 1...	1	DCCDFLGS DCCDSOFT	Flags "X'80" Software-only configuration change
Comment					
EQU X'7F' Reserved					
End of Comment					
7	(7)	BITSTRING	1		Reserved
8	(8)	SIGNED	4	DCCDSIZE	Total size of DCCD
12	(C)	SIGNED	4	DCCDSTRT	Offset of first DCCD entry
16	(10)	SIGNED	4	DCCDENTC	Number of entries in the DCCD
20	(14)	CHARACTER	48	DCCDIODF (0)	IODF dataset which contains new configuration
20	(14)	CHARACTER	44	DCCDIODN	IODF dataset name
64	(40)	CHARACTER	4		Reserved
68	(44)	CHARACTER	2	DCCDEDT	ID of new EDT
70	(46)	CHARACTER	2		Reserved
72	(48)	CHARACTER	8	DCCDCFID	Operating system configuration ID for new configuration
80	(50)	SIGNED	4	DCCD#UA	Number of UCBs added
84	(54)	SIGNED	4	DCCD#UD	Number of UCBs deleted
88	(58)	SIGNED	1	DCCDACTF	Activate function requested (activate or recover)
89	(59)	CHARACTER	3		Reserved
89	(59)	X'5C'	0	DCCDHLEN	"*-DCCD" Length of DCCD header

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DCCDARRAY	DCCD entry array
0	(0)	BITSTRING	32	DCCDE (0)	DCCD entry
0	(0)	SIGNED	4	DCCDEHDR (0)	DCCD entry header
0	(0)	BITSTRING	1	DCCDETYPE	DCCD entry type
1	(1)	BITSTRING	1	DCCDEREQ	DCCD entry request type
2	(2)	BITSTRING	1	DCCDEFLG	DCCD entry flags
		1...		DCCDEHDW	"X'80" Hardware change
		.1..		DCCDESFT	"X'40" Software change

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		DCCDESTA	"X'20" Indicates that this entry was created because a static device is being changed to a dynamic device. This entry represents the delete request (DCCDEREQ=DCCDDDEL). There will be another entry which represents the add request.
		...1		DCCDECON	"X'10" Indicates whether UCB for device is connected to a subchannel. Valid only when DCCDETYPE=DCCDDEV or DCCDETYPE=DCCDSDEV, and DCCDEREQ=DCCDADD. Also, valid only for CONFCHG CHGCOMPL exit
		.... 1...		DCCDETHISSC	"X'08" Indicates that the DCCD entry represents a change that affects the current CSS.

Comment

EQU X'04' Reserved

End of Comment

		.... ..1.		DCCDEAP	"X'02" The activating partition will lose access to the device because either the device is deleted from the configuration, or the activating partition is being removed from the candidate list of the device. Valid when: DCCDETYPE=DCCDDEV or DCCDETYPE=DCCDSDEV, and DCCDEREQ=DCCDDDEL The activating partition will lose or gain access to a PCIe function. Valid when: DCCDETYPE=DCCDPCIF
		.... ...1		DCCDECC	"X'01" Indicates that this entry was created because the candidate list of the device was changed. When DCCDETYPE=DCCDDEV or DCCDETYPE=DCCDSDEV, DCCDEREQ=DCCDDDEL and DCCDECC is on, partition(s) were deleted from the device candidate list. When DCCDETYPE=DCCDDEV or DCCDETYPE=DCCDSDEV, DCCDEREQ=DCCDDADD and DCCDECC is on, partition(s) were added to the device candidate list.
3	(3)	BITSTRING	1	DCCDECSS	Channel Subsystem ID
4	(4)	BITSTRING	28	DCCDENTY	Entry type specific information described below
4	(4)	X'20'	0	DCCDELEN	"-DCCDARRAY" Length of DCCD entry

Comment

The following structure provides the mapping for device entries in the DCCD (DCCDETYPE = DCCDDEV, DCCDSDEV, or DCCDMDEV).

					End of Comment
4	(4)	SIGNED	2	DCCDDEVN	Device number
6	(6)	CHARACTER	26	DCCDDEVA (0)	Device entry area
6	(6)	BITSTRING	1	DCCDDCMK	Mask of CHPIDs contained in DCCDDCHP that are to be added/deleted from this device. Valid only when DCCDEREQ = DCCDDAC, DCCDDDC, DCCDDDP or DCCDDDP. Otherwise, zero.
7	(7)	BITSTRING	1	DCCDDPMK	Mask of physical control unit numbers in DCCDDPCU that are to be added/deleted from this device. Valid only when DCCDEREQ = DCCDDAP or DCCDDP. Otherwise, zero.
8	(8)	SIGNED	1	DCCDDCHP (8)	Array of CHPIDs that are to be added/deleted from this device. Valid only when DCCDEREQ = DCCDDAC, DCCDDDC, DCCDDDP or DCCDDAP. Otherwise, zero.
16	(10)	SIGNED	2	DCCDDPCU (8)	Array of physical control unit numbers that are to be added/deleted from this device. Valid only when DCCDEREQ = DCCDDAP or DCCDDDP. Otherwise, zero.

Comment

The following structure provides the mapping for device expansion entries. This entry immediately follows entry DCCDSDEV.

					End of Comment
4	(4)	SIGNED	1	DCCDSSID	Subchannel set number

Comment

DS CL27 Reserved

 Remap of the device entry area when DCCDEREQ = DCCDDDEL

					End of Comment
6	(6)	BITSTRING	1	DCCDDTYP	Device type. This field is copied from UCBTBYT3
7	(7)	BITSTRING	1	DCCDDTYF	Device type flags

DCCD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
----- Unit Record Flags					
					End of Comment
		1...		DCCDSWTC	"X'80" If 1, indicates that the device being deleted is a switch device. Valid when DCCDDTYP indicates a device type of Unit Record
					Comment
----- DASD Flags					
					End of Comment
		1...		DCCDPAVB	"X'80" If 1, indicates that the device being deleted is a PAV Base device. Valid when DCCDDTYP indicates a device type of DASD
		.1..		DCCDPAVA	"X'40" If 1, indicates that the device being deleted is a PAV Alias device. Valid when DCCDDTYP indicates a device type of DASD
8	(8)	CHARACTER	24		Reserved for future use

					Comment
The following structure provides the mapping for control unit entries in the DCCD (DCCDEITYP = DCCDPCU or DCCDMP).					
					End of Comment
4	(4)	SIGNED	2	DCCDPCUN	Physical control unit number
6	(6)	BITSTRING	1	DCCDFLG2	Flag byte
		1...		DCCDVLD	"X'80" If 1, indicates DCCDLU is valid
		.1..		DCCDSQV	"X'40" If 1, indicates DCCDSBC, DCCDCUBC and DCCDSCNT are valid
7	(7)	BITSTRING	1	DCCDPCMK	Mask of channel path IDs that are to be added/deleted from this CU. Valid only when DCCDEREQ = DCCDPAC or DCCDPDC. Otherwise, zero.
8	(8)	SIGNED	1	DCCDPCHP (8)	Array of CHPIDs that are to be added/deleted from this CU. Valid only when DCCDEREQ = DCCDPAC or DCCDPDC. Otherwise, zero.
16	(10)	SIGNED	4	DCCDPUA (0)	Represents the range of unit addresses that are to be added to or deleted from the control unit. Valid only when DCCDEREQ = DCCDPMA or DCCDPMO. Otherwise, zero.
16	(10)	CHARACTER	1		Reserved
17	(11)	BITSTRING	1	DCCDPUAC	Count of unit addresses
18	(12)	CHARACTER	1		Reserved
19	(13)	BITSTRING	1	DCCDPSUA	Starting unit address
					Comment

The following fields are counts required by RMF. They are valid only when DCCDACTF = (DCCDDCM or DCCDIMCU), DCCDEITYP=DCCDPCU, DCCDEREQ=DCCDPDC and DCCDSQV equal 1					
					End of Comment
20	(14)	SIGNED	4	DCCDSBC	Switch busy count
24	(18)	SIGNED	4	DCCDCUBC	Control unit busy count
28	(1C)	SIGNED	4	DCCDSCNT	Success count
28	(1C)	X'12'	0	DCCDFLTN	"DCCDPUA+2,2" Number of managed CHPIDs. Valid only when DCCDACTF=DCCDACTV and DCCDEREQ=DCCDPMNF
28	(1C)	X'10'	0	DCCDLU	"DCCDPUA,2" Logical control unit number. Valid only when DCCDACTF=DCCDDCM or DCCDIMCU.
					Comment

The following structure provides the mapping for CHPID entries in the DCCD (DCCDEITYP = DCCDCHP).					
					End of Comment
4	(4)	BITSTRING	1	DCCDCCHP	Channel path ID
5	(5)	CHARACTER	3		Reserved
					Comment

The following structure provides the mapping for logical partition entries in the DCCD (DCCDEITYP = DCCDLPAR).					
					End of Comment
4	(4)	CHARACTER	8	DCCDLP_NAME	Logical partition name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	BITSTRING	1	DCCDLP_MIFID	MIF image identifier

Comment

The following structure provides the mapping for PCIe Function entries in the DCCD (DCCDETYP = DCCDPCIF).

End of Comment					
4	(4)	SIGNED	4	DCCDPF_PFID	PCIe-Function ID

Comment

The following constant is used to place an identifier in the DCCD (field DCCDID).

End of Comment					
4	(4)	'C3C3C4'	0	DCCDCBID	"C'DCCD" DCCD control block acronym

Comment

The following constant is used to place the version number in the DCCD (field DCCDVERN).

End of Comment					
		.... .1		DCCDCBVN	"X'01" DCCD version number

Comment

The following constants are used to identify the function requested in DCCDFUNC. These functions are valid only on input to the CONFGCHG CHGREQ exit.

End of Comment					
		.... .1		DCCDFPFC	"X'01" Prepare for configuration change
		.... .1.		DCCDFCCR	"X'02" Configuration change rejected

Comment

The following constants are used to identify the function in DCCDACTF.

End of Comment					
		.... .1		DCCDACTV	"X'01" Activate function
		.... .1.1		DCCDRECV	"X'05" Recover function
		.... .11.		DCCDDCM	"X'06" DCM change function
		.... .111		DCCDIMCU	"X'07" Internal IOS request to modify a control unit (e.g. to remove a managed CHPID)

Comment

The following constants are used to identify the entry type in DCCDETYP.

End of Comment					
		.... .1		DCCDDEV	"X'01" Device entry
		.... .1.		DCCDPCU	"X'02" Control unit entry
		.... .11		DCCDCHP	"X'03" CHPID entry
		.... .1.		DCCDMDEV	"X'04" coupling facility device entry
		.... .1.1		DCCDMP	"X'05" coupling facility CU entry
		.... .11.		DCCDLPAR	"X'06" Logical partition entry
		.... .111		DCCDSDEV	"X'07" Device entry for devices in channel sets other than zero
		.... 1...		DCCDDEVE	"X'08" Expansion entry for devices in channel sets other than zero
		.... 1..1		DCCDPCIF	"X'09" PCIe Function Entry

Comment

The following constants define DCCDEREQ when DCCDETYP is equal to DCCDDEV, DCCDSDEV or DCCDMDEV.

End of Comment					
		.... .1		DCCDDDEL	"X'01" Delete device
		.... .1.		DCCDDADD	"X'02" Add device

DCCD Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
The following constants define DCCDEREQ when DCCDETYTYP is equal to DCCDDEV or DCCDSDEV.					
End of Comment					
		.... ..11		DCCDDDC	"X'03" Modify to remove CHPID(s)
		.... ..1.		DCCDDAC	"X'04" Modify to add CHPID(s)
		.... ..1.1		DCCDDDP	"X'05" Modify to remove CU(s)
		.... ..11.		DCCDDAP	"X'06" Modify to add CU(s)
		.... ..111		DCCDDMSC	"X'07" Modify subchannel characteristics (illegal status detection and interface timeout facility)
		.... 1..		DCCDDMPP	"X'08" Modify preferred path 2
Comment					
The following constants define DCCDEREQ when DCCDETYTYP is equal to DCCDPCU or DCCDMP.					
End of Comment					
		.... ...1		DCCDPDEL	"X'01" Delete control unit
		.... ..1.		DCCDPADD	"X'02" Add control unit
		.... ..11		DCCDPDC	"X'03" Modify to delete CHPID(s)
		.... ..1..		DCCDPAC	"X'04" Modify to add CHPID(s)
Comment					
The following constants define DCCDEREQ when DCCDETYTYP is equal to DCCDPCU.					
End of Comment					
		.... ..1.1		DCCDPMDU	"X'05" Modify to delete unit address range
		.... ..11.		DCCDPMAU	"X'06" Modify to add unit address range
		.... ..111		DCCDPMNF	"X'07" Modify to change the number of managed CHPIDs
		.... 1..		DCCDPMDF	"X'08" Modify to delete a managed CHPID
		.... ..1.1		DCCDPMAF	"X'09" Modify to delete a managed CHPID with intent to add a static CHPID
Comment					
The following constants define DCCDEREQ when DCCDETYTYP is equal to DCCDCHP.					
End of Comment					
		.... ...1		DCCDCDEL	"X'01" Delete CHPID
		.... ..1.		DCCDCADD	"X'02" Add CHPID
		.... ..11		DCCDCDI	"X'03" Modify to delete logical partition(s) from the CHPID candidate list
		.... ..1..		DCCDCAI	"X'04" Modify to add logical partition(s) to the CHPID candidate list
		.... ..1.1		DCCDCCAC	"X'05" Modify to change the Associated CPC Designation (ACDES) of a CIB CHPID
Comment					
The following constants define DCCDEREQ when DCCDETYTYP is equal to DCCDLPAR.					
End of Comment					
		.... ...1		DCCDLDEL	"X'01" Delete logical partition
		.... ..1.		DCCDLADD	"X'02" Add logical partition
Comment					
The following constants define DCCDEREQ when DCCDETYTYP is equal to DCCDPCIF					
End of Comment					
		.... ...1		DCCDFDEL	"X'01" Delete PCIe Function
		.... ..1.		DCCDFADD	"X'02" Add PCIe Function
		.... ..11		DCCDFDI	"X'03" Modify to delete access for one or more logical partitions to the specified PCIe Function
		.... ..1..		DCCDFAI	"X'04" Modify to add access for one or more logical partitions to the specified PCIe Function

DCCD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCCD	0		DCCDLP_MIFID	C	
DCCD#UA	50		DCCDLP_NAME	4	
DCCD#UD	54		DCCDLPAR	4	6
DCCDACTF	58		DCCDMDEV	4	4
DCCDACTV	4	1	DCCDMP	4	5
DCCDARRY	0		DCCDPAC	4	4
DCCDCADD	4	2	DCCDPADD	4	2
DCCDCAI	4	4	DCCDPAVA	7	40
DCCDCBID	4	C3C3C4	DCCDPAVB	7	80
DCCDCBVN	4	1	DCCDPCHP	8	
DCCDCCAC	4	5	DCCDPCIF	4	9
DCCDCCHP	4		DCCDPCMK	7	
DCCDCDEL	4	1	DCCDPCU	4	2
DCCDCDI	4	3	DCCDPCUN	4	
DCCDCFID	48		DCCDPDC	4	3
DCCDCHP	4	3	DCCDPDEL	4	1
DCCDCUBC	18		DCCDPF_PFID	4	
DCCDDAC	4	4	DCCDPMAF	4	9
DCCDDADD	4	2	DCCDPMAU	4	6
DCCDDAP	4	6	DCCDPMDF	4	8
DCCDDCHP	8		DCCDPMDU	4	5
DCCDDCM	4	6	DCCDPMNF	4	7
DCCDDCMK	6		DCCDPSUA	13	
DCCDDDC	4	3	DCCDPUA	10	
DCCDDDEL	4	1	DCCDPUAC	11	
DCCDDDP	4	5	DCCDRECV	4	5
DCCDDEV	4	1	DCCDSBC	14	
DCCDDEVA	6		DCCDSCNT	1C	
DCCDDEVE	4	8	DCCDSDEV	4	7
DCCDDEVN	4		DCCDSIZE	8	
DCCDDMPP	4	8	DCCDSOFT	6	80
DCCDDMSC	4	7	DCCDSQV	6	40
DCCDDPCU	10		DCCDSSID	4	
DCCDDPMK	7		DCCDSTRT	C	
DCCDDTYF	7		DCCDSWTC	7	80
DCCDDTYP	6		DCCDVERN	4	
DCCDE	0		DCCDVLD	6	80
DCCDEAP	2	2			
DCCDECC	2	1			
DCCDECON	2	10			
DCCDECSS	3				
DCCDEDT	44				
DCCDEFLG	2				
DCCDEHDR	0				
DCCDEHDW	2	80			
DCCDELEN	4	20			
DCCDENTC	10				
DCCDENTY	4				
DCCDEREQ	1				
DCCDESFT	2	40			
DCCDESTA	2	20			
DCCDETHISSCSS	2	8			
DCCDETYP	0				
DCCDFADD	4	2			
DCCDFAI	4	4			
DCCDFCCR	4	2			
DCCDFDEL	4	1			
DCCDFDI	4	3			
DCCDFLGS	6				
DCCDFLG2	6				
DCCDFLTN	1C	12			
DCCDFPFC	4	1			
DCCDFUNC	5				
DCCDHDR	0	0			
DCCDHLEN	59	5C			
DCCDID	0				
DCCDIMCU	4	7			
DCCDIODF	14				
DCCDIODN	14				
DCCDLADD	4	2			
DCCDLCU	1C	10			
DCCDLDEL	4	1			

DCQ Information

DCQ Heading Information

Common Name: Device Class Queue
Macro ID: IHADCQ
DSECT Name: DCQ; DCQELMNT
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: DCQ
 Offset: 0
 Length: 4
Storage Attributes: Subpool: NUCLEUS
 Key: NUCLEUS
Size: Header = 202 bytes
 Elements = 28 bytes each
Created by: IOS SYSGEN
Pointed to by: CVTDCQA of the CVT data area
Serialization: None
Function: The DCQ is used to locate the UCB's for devices. They are grouped by device class with one DCQ element per device.

DCQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	DCQ	
0	(0)	CHARACTER	20	DCQHEAD	Header
0	(0)	CHARACTER	4	DCQNAME	Control block acronym
4	(4)	SIGNED	2	DCQLNGTH	Length of each of the DCQ entries
6	(6)	SIGNED	2	DCQCOUNT	Number of elements
8	(8)	ADDRESS	4	DCQFIRST	Address of first DCQELMNT
12	(C)	SIGNED	4	DCQDSTCT	Count of entries required in the device statistics table
16	(10)	SIGNED	4	DCQUCBNO	Total number of UCBs for the I/O configuration

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	DCQELMNT	Element of DCQ
0	(0)	ADDRESS	4	DCQCHAIN	Address of next DCQELMNT or zero if end of chain
4	(4)	BITSTRING	1	DCQDEVCL	Existing device class hex ID. Same contents as UCBTBYT3.
5	(5)	BITSTRING	1	DCQFLG1	Flags
6	(6)	SIGNED	2	DCQUCBCT	Number of UCB's within device class. If no UCB's exist for this class, then field is 0.
8	(8)	ADDRESS	4	DCQUCBAD	Address of first UCB for this class. If no UCB's exist for this class, then 0. All UCB addresses point to common segment of UCB.
12	(C)	CHARACTER	8	DCQDEVNM	Device class name in EBCDIC.
20	(14)	CHARACTER	8	*	Reserved

DCQ Constants

Len	Type	Value	Name	Description
4	CHARACTER	DCQ	DCQCBID	Control block ID

DCQ Cross Reference

DCQ Cross Reference

Name	Hex Offset	Hex Value
DCQ	0	
DCQCHAIN	0	
DCQCOUNT	6	
DCQDEVCL	4	
DCQDEVNM	C	
DCQDSTCT	C	
DCQELMNT	0	
DCQFIRST	8	
DCQFLG1	5	
DCQHEAD	0	
DCQLNGTH	4	
DCQNAME	0	
DCQUCBAD	8	
DCQUCBCT	6	
DCQUCBNO	10	

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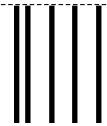


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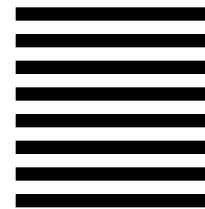
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