

**z/OS V2R1
MVS Data Areas
Volume 2 (DDRCOM -IEFALCXT)**

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z/OS V2R1



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Volume 2 (DDRCOM -IEFALCXT)

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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 747.

Third Edition, August 2014

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

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About this information

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

- Programming interfaces
- Needed for debugging or diagnosis.

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

Who should use this information

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

How to use this information

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

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

The header

The header includes some or all of the following:

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

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

Function:

Brief description of the use of the data area.

Data area map

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

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

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

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

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

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

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

Len Size of the field in decimal bytes.

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

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

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

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

Cross reference

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

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

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

Name	Hex Offset	Hex Value
ANYBIT	F0	80

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

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

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

Programming interface information

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

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

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

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

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

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

- MACRO ID
- DSECT NAME
- commonly-used name

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

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

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

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

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

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

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

DDRCOM Information

DDRCOM Heading Information

Common Name: IOS Dynamic Device Reconfiguration Communication Table
Macro ID: IHADDR
DSECT Name: DDRCOM
Owning Component: Dynamic Device Reconfiguration (BB1CS)
Eye-Catcher ID: DDR
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: YES
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: 245
 Key: 0
 Data Space: N/A
 Residency: N/A
Size: 236 bytes
Created by: IGF2503D - operator requested SWAP, IGE0660A
 - system initiated SWAP.
Pointed to by: CVTTRPOS field of the CVT (points to the queue of DDRCOMs for tapes in the repositioning phase of swap.
 CVTTPUR field of the CVT (points to the queue of DDRCOMs for unit record devices, and tapes which are in the first phase of a SWAP (prior to the reposition phase).
 CVTDPUR field of the CVT (points to the queue of DDRCOMs for DASD swaps.
 DDRNXT field of the DDRCOM data area.
Serialization: Queued and dequeued while holding local, CMS locks.
Function: Communicate between DDR modules. Queuing control block for DDR requests.

DDRCOM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DDRCOM	
0	(0)	SIGNED	4	DDRID	DDRCOM INDICATOR
4	(4)	SIGNED	4	DDRNXT	NEXT DDRCOM
8	(8)	BITSTRING	4	DDRCNTRL (0)	CONTROL DATA
8	(8)	BITSTRING	1	DDRSRC	SOURCE OF DDR REQUEST
		1.. ..		DDROPER	"X'80" OPERATOR REQUEST
		.1.		DDRSYS	"X'40" SYSTEM REQUEST
		..1.		DDRPAGE	"X'20" PAGE I/O ERROR REQUEST
9	(9)	BITSTRING	1	DDRSTAT	REQUEST STATUS
		1.. ..		DDRACTV	"X'80" REQUEST IS EXECUTING
		.1.		DDRQUE	"X'40" REQUEST IS QUEUED
		..1.		DDRHAMA	"X'20" PERMANENTLY INACTIVE REQUEST
		...1		DDRRMV	"X'10" REMOVE INVALID REQUEST
		.... 1..		DDRPRG	"X'08" TERMINATE REQUEST
		.... .1..		DDRSIRB	"X'04" REQUEST IS EXECUTED BY SIRB IN IGE0660A
		.... ..1.		DDRBYPTM	"X'02" SYSTEM SWAP AND 'FROM' DEVICE INELIBIBLE FOR SWAP - BYPASS ISSUING THE IGF512I ERROR TERMINATION MESSAGE
10	(A)	BITSTRING	2	DDRDCHAR (0)	DEVICE CHARACTERISTICS
10	(A)	BITSTRING	1	DDRMDR	MDR RECORD ID
11	(B)	BITSTRING	1	DDRSTAT	DEVICE TYPE AND FLAGS
		1.. ..		DDRBUFL	"X'80" BUFFERER LOG
		.1.		DDRDA	"X'40" DIRECT ACCESS DEVICE
		..1.		DDRMT	"X'20" MAGNETIC TAPE DEVICE
		...1		DDRUR	"X'10" UNIT RECORD DEVICE
		.... 1..		DDRCYCLE	"X'08" A MAGNETIC TAPE DEVICE SWAP THAT IS BEING RECYCLED BECAUSE OF AN I/O ERROR DURING REPOSITIONING
		.... .1..		DDRTRPOS	"X'04" A MAGNETIC TAPE DEVICE SWAP THAT IS IN THE REPOSITIONING PHASE OF THE SWAP
		.... ..1.		DDRMTEND	"X'02" A MAGNETIC TAPE DEVICE SWAP THAT HAS COMPLETED THE REPOSITIONING PHASE
12	(C)	BITSTRING	4	DDRUIOSB	USER IOSB ADDRESS
16	(10)	BITSTRING	2	DDRUASID	USER ADDRESS SPACE
18	(12)	BITSTRING	1	DDRFSSID	FROM device subchannel set
19	(13)	BITSTRING	1	DDRTSSID	TO device subchannel set
20	(14)	BITSTRING	4	DDRFMNAM (0)	"FROM" UCB name in 4 bytes.

DDRCOM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	BITSTRING	1		High order byte UCB name. .
21	(15)	BITSTRING	3	DDRFMCUA	"FROM" UCB name in 3 bytes.
24	(18)	BITSTRING	4	DDRTONAM (0)	"TO" UCB name in 4 bytes.
24	(18)	BITSTRING	1		High order byte UCB name.
25	(19)	BITSTRING	3	DDRTOCUA	"TO" UCB name in 3 bytes.
28	(1C)	BITSTRING	4	DDRTOUCB	TO UCB ADDRESS
32	(20)	BITSTRING	4	DDRFMUCB	FROM UCB ADDRESS
36	(24)	BITSTRING	1	DDRROWN	REQUEST RESOURCES
		1...		DDRRTENQ	"X'80" TAPE ALLOC RESOURCE HELD
		.1.		DDRRUENQ	"X'40" UNIT RECORD ALLOC RESOURCE HELD
		..1.		DDRRDENQ	"X'20" DISK ALLOC RESOURCE HELD
		...1		DDRRYENQ	"X'10" DYNAMIC RESOURCE HELD
		.... .1..		DDRDEN	"X'04" A MAGNETIC TAPE DEVICE SWAP IN WHICH THE TAPES ARE COMPATIBLE BUT NOT IDENTICAL IN THE DENSITIES THAT THEY SUPPORT
		.... ..1.		DDRJES3L	"X'02" IGFDL1 USING JES3 UCB LIST Y02BKCI
		.... ...1		DDRFIRST	"X'01" IGFDL1 RECURSIVE BIT/FIRST TIME SWITCH
37	(25)	BITSTRING	1	DDRLEVEL	IOS DDR LEVEL FROM IOSLEVEL
38	(26)	BITSTRING	2	DDRASID	DDR ADDRESS SPACE
40	(28)	BITSTRING	4	DDRUDCB	USER DCB ADDRESS OZ11029
44	(2C)	BITSTRING	4	DDRUDEB	USER DEB ADDRESS OZ11029
48	(30)	BITSTRING	4	DDRUIOB	USER IOB ADDRESS
52	(34)	BITSTRING	4	DDRUTCB	USER TCB ADDRESS
56	(38)	BITSTRING	4	DDRUASCB	USER ASCB ADDRESS
60	(3C)	BITSTRING	4	DDRTTEST	TESTING FIELD
64	(40)	BITSTRING	2	DDRTER (0)	TERMINATION PARM FIELD
64	(40)	BITSTRING	1	DDRTER1	TERMINATION REASON CODE
		.... ...1		DDRTNF	"X'01" NO USER FOUND
		.... ..1.		DDRTPEP	"X'02" ERP IN PROGRESS
		.... ..11		DDRTOC	"X'03" OPEN/CLOSE/EOV IN PROGRESS
		.... .1..		DDRTBR	"X'04" BLOCKCOUNT UNRELIABLE
		.... .1.1		DDRTCO	"X'05" OPERATOR CANCELLED
		.... .11.		DDRTIU	"X'06" INVALID USER EXIT
		.... .111		DDRTCE	"X'07" CATASTROPHIC ERROR
		.... 1..		DDRTID	"X'08" INVALID DEVICE
		.... 1..1		DDRTCU	"X'09" CANCELLED BY USER
		.... 1.1.		DDRTJE	"X'0A" JES3 ERROR Y02BKCI
		.... 1.11		DDRTEXC	"X'0B" EXIT CANCELLED SWAP BUT DID NOT SUPPLY MESSAGE
		.... 11..		DDRTAIP	"X'0C" ACTIVATE IN PROGRESS
		.... 11.1		DDRTREP	"X'0D" REPOSITIONING ERROR IN TAPE LIBRARY
		.... 111.		DDRTRD	"X'0E" READ ERROR IN TAPE LIBRARY
		.... 1111		DDRTRR	"X'0F" READ OR REPOSITIONING ERROR IN TAPE LIBRARY
		.... 1111		DDRTLFL	"X'10" FAILURE DURING MOUNT, DEMOUNT, OR VOLUME VERIFICATION IN TAPE LIBRARY ENVIRONMENT
		.... 1..1		DDRTSUF	"X'11" UCB SWAP FAILED
		1111 1111		DDRTMSG	"X'FF" TEXT FOR THE TERMINATION REASON IS SUPPLIED IN DDEMSG (IN IGFDDDE)
65	(41)	BITSTRING	1	DDRTER2	TERMINATION FIELD - Further defines the failure reason code defined in DDRTER1. The following DDRTER1 values set the DDRTER2 field: . DDRTER1=DDRTCE (Catastrophic Error) . DDRTER1=DDRTSUF (UCB Swap Failed)
		.... ....		DDRTNA	"X'00" No reason provided for this failure
		.... ...1		DDRTCE1	"X'01" DDRTER1=DDRTCE - Error in DDR causing Estae to get control (IGFDE1).
		.... ..1.		DDRTCE2	"X'02" DDRTER1=DDRTCE - DDR failed to process the request (IGFDI0).
		.... ..11		DDRTCE3	"X'03" DDRTER1=DDRTCE - Internal error. Logging request was not valid (IGFDR0).
		.... .1..		DDRTCE4	"X'04" DDRTER1=DDRTCE - I/O error during rewind of TO device (IGFDV0).
		.... .1.1		DDRTCE5	"X'05" DDRTER1=DDRTCE - Device type for swap was not valid (IGFDV0).
		.... .11.		DDRTCE6	"X'06" DDRTER1=DDRTCE - Internal error. Validation request was not valid (IGFDV1).
		.... .111		DDRTCE7	"X'07" DDRTER1=DDRTCE - Internal error. Page fix of IGFDW0 was not successful (IGFDW0).
		.... 1..		DDRTCE8	"X'08" DDRTER1=DDRTCE - Internal error. MIH resource could not be obtained (IGFDW0).
66	(42)	BITSTRING	2	DDRINV (0)	INVALID FLAGS
66	(42)	BITSTRING	1	DDRINV1	INVALID REASON CODE
		.... ...1		DDRIMP	"X'01" MOUNT PENDING
		.... ..1.		DDRINF	"X'02" UNIT REFERENCE INVALID
		.... ..11		DDRINS	"X'03" UNSUPPORTED USE
		.... .1..		DDRINI	"X'04" INCOMPATIBLE
		.... .1.1		DDRINO	"X'05" NOT OPERATIONAL
		.... .11.		DDRINA	"X'06" NOT ALLOCATED
		.... .111		DDRINT	"X'07" INVALID DEVICE TYPE

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		DDRJ3	"X'08" JES3 INCOMPATIBLE Y02BKCI
		.... 1..1		DDRIONL	"X'09" OFFLINE DEVICE CANNOT BE VARIED ONLINE
		.... 1.1.		DDRIDYST	"X'0A" DEVICES DYNAMIC/STATIC INCOMPATIBLE
		.... 1.11		DDRIVOLI	"X'0B" DASD TO DEVICE DOES NOT HAVE MATCHING VOLSER
		.... 11..		DDRIOA	"X'0C" DASD FROM DEVICE HAS NOT BEEN QUIESCED VIA IOACTION COMMAND
		.... 11.1		DDRIOPD	"X'0D" CANNOT SWAP TO AN ONLINE PERMANENTLY RESIDENT DASD DEVICE
		.... 111.		DDRIPAG	"X'0E" CANNOT SWAP A DEVICE WITH AN ACTIVE PAGE DATASET
		.... 1111		DDRIDIGT	"X'0F" CANNOT SWAP A 3-DIGIT UCB TO A 4-DIGIT UCB OR VICE VERSA
		...1		DDRIHSWAP	"X'10" The device is blocked from performing a DDR swap by Hyperswap.
		...1 ...1		DDRJ3USE	"X'11" The JES3 device is in use
		...1 ..1.		DDRJ3OFL	"X'12" The JES3 device is offline when it is expected to be online
		...1 ..11		DDRJ3ONL	"X'13" The JES3 device is online when it is expected to be offline
		...1 ..1.		DDRIUNAVL	"X'14" The device is marked as unavailable
		...1 ..1.1		DDRIDVINV	"X'15" The last 4 digits of the 5 digit devices do not match
67	(43)	BITSTRING	1	DDRINV2	VALIDATE'S PARM FIELD
		.... ...1		DDRVFM	"X'01" VALIDATE FROM DEVICE
		.... ..1.		DDRVCM	"X'02" VALIDATE TO DEVICE
		.... ..11		DDRVUS	"X'03" USER IS AVAILABLE
68	(44)	BITSTRING	2	DDRAPP (0)	APPENDAGE PARM FIELDS
68	(44)	BITSTRING	1	DDRAPP1	APPENDAGE PARM LIST 1
69	(45)	BITSTRING	1	DDRAPP2	APPENDAGE PARM LIST 2
70	(46)	BITSTRING	2	DDRIBUFL	I/O BUFFER LENGTH
72	(48)	BITSTRING	4	DDRIBUF	I/O BUFFER ADDRESS
76	(4C)	BITSTRING	4	DDRCOUNT	I/O OPERATION REPEAT COUNT
80	(50)	BITSTRING	2	DDRIOF (0)	I/O PARM FLAGS
80	(50)	BITSTRING	1	DDRIOF1	I/O PARM FLAGS FIELD 1
		.... ..1.		DDRREAD	"X'02" ISSUE A READ COMMAND
		.... 1111		DDRRUN	"X'0F" ISSUE A REWIND AND RELOAD COMMAND
		.... 11..		DDRRDBK	"X'0C" ISSUE A READ BACKWARDS COMMAND
		1.1. ..1.		DDRXA4	"X'A4" ISSUE A READ AND RESET BUFFERED LOG COMMAND
		..1. 1111		DDRBSF	"X'2F" ISSUE A BACKWARD SPACE FILE COMMAND
		..11 1111		DDRF5F	"X'3F" ISSUE A FORWARD SPACE FILE COMMAND
		.... ..11		DDRNOP	"X'03" ISSUE A NOP COMMAND
		.... ..1.		DDRSNS	"X'04" ISSUE A SENSE COMMAND
		.... ...1		DDRLoad	"X'01" LIBRARY MOUNT SUBCOMMAND OF PERFORM LIBRARY FUNCTION
81	(51)	BITSTRING	1	DDRIOF2	I/O PARM FLAGS FIELD 2
		1...		DDRWHICH	"X'80" I/O TO BE PERFORMED
		..1.		DDRITAKE	"X'40" GET/RELEASE CONTROL
		..1.		DDRILAB	"X'20" LABEL PROCESSING
		...1		DDRIMNT	"X'10" MOUNT REQUEST
		.... 1...		DDRICNT	"X'08" COUNT FIELD INDICATOR
		.... ..1.		DDRTCNTL	"X'04" NOP BEING USED TO TAKE CONTROL OF DEVICE
		.... ...1.		DDR@WAIT	"X'02" IGFDM1 at SVC 1 waiting on STARTIO.
82	(52)	BITSTRING	2	DDRMSG (0)	MESSAGE PARM FLAGS
82	(52)	BITSTRING	1	DDRMSGOP	OPERATOR RESPONSE
		.... ...1		DDRWTOR	"X'01" ISSUE WTOR MESSAGE
		.... ..1.		DDRYES	"X'02" YES REPLY
		.... ..11		DDRNO	"X'03" NO REPLY
		.... ..1.		DDRCUA	"X'04" CUA REPLY
83	(53)	BITSTRING	1	DDRMSGCD	MESSAGE NUMBER CODE
		.... ...1		DDRM500I	"X'01" ISSUE IGF500I MESSAGE
		.... ..1.		DDRM500D	"X'02" ISSUE IGF500D MESSAGE
		.... ..11		DDRM502E	"X'03" ISSUE IGF502E MESSAGE
		.... ..1.		DDRM503I	"X'04" ISSUE IGF503I MESSAGE
		.... ..1.1		DDRM505I	"X'05" ISSUE IGF505I MESSAGE
		.... ..11.		DDRM509I	"X'06" ISSUE IGF509I MESSAGE
		.... ..111		DDRM509D	"X'07" ISSUE IGF509D MESSAGE
		.... 1... ..		DDRM511A	"X'08" ISSUE IGF511A MESSAGE
		.... 1..1 ..		DDRM512I	"X'09" ISSUE IGF512I MESSAGE
		.... 1..1 ..		DDRM513I	"X'0A" ISSUE IGF513I MESSAGE
		.... 1..11 ..		DDRM515I	"X'0B" ISSUE IGF515I MESSAGE
		.... 11.. ..		DDRM514I	"X'0C" ISSUE IGF514I MESSAGE
		.... 11.1 ..		DDRM501I	"X'0D" ISSUE IGF501I MESSAGE
		.... 111. ..		DDRM516I	"X'0E" ISSUE IGF516I MESSAGE
		.... 1111 ..		DDRM517I	"X'0F" ISSUE IGF517I MESSAGE
		...1		DDRM518I	"X'10" ISSUE IGF518I MESSAGE
		...1 ...1 ..		DDRM519I	"X'11" ISSUE IGF519I MESSAGE
		...1 ..1. ..		DDRM150I	"X'12" ISSUE IGF1500I MESSAGE
		...1 ..11 ..		DDRM1505	"X'13" ISSUE IGF1505I MESSAGE
		...1 ..1. ..		DDRM1509	"X'14" ISSUE IGF1509I MESSAGE
		...1 ..1.1 ..		DDRM1511	"X'15" ISSUE IGF1511A MESSAGE
		...1 ..11 ..		DDRM1512	"X'16" ISSUE IGF1512I MESSAGE

DDRCOM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1 .111		DDRM1513	"X'17" ISSUE IGF1513I MESSAGE
84	(54)	BITSTRING	8	DDRM5GP (0)	MESSAGE CODES
84	(54)	BITSTRING	1	DDRM5GPN	NUMBER OF MESSAGE CODES
85	(55)	BITSTRING	7	DDRM5GPC	(0-7) MESSAGE CODES
		.... ...1		DDRPNO	"X'01" COMPRESS FIELD
		.... ...1.		DDRPFM	"X'02" FROM CUA
		.... ...11		DDRPNO	"X'03" TO CUA
		.... ...1..		DDRPVL	"X'04" VOLUME SERIAL NUMBER
		.... ...1.1		DDRPLT	"X'05" LABEL TYPE
		.... ...11.		DDRPST	"X'06" VOLUME SEQUENCE NUMBER
		.... ...111		DDRPST	"X'07" TERMINATION CODE
		.... ...1...		DDRLIB	"X'08" OBTAIN LIBRARY NAME OF TAPE DRIVE
		.... ...1.1		DDRPIC	"X'09" INVALID CONDITION CODE
		.... ...1.1.		DDRPDV	"X'0A" DEVICE-CHARACTER STRING
		.... ...1.11		DDRPC	"X'0B" REASON CODE
92	(5C)	BITSTRING	1	DDRLABEL	TAPE FROM LABEL TYPE
		1...		DDRLAL	"X'80" ANSI LABEL
		.1.		DDRLBLP	"X'40" BYPASS LABEL PROCESSING
		.1.		DDRLNL	"X'20" NO LABEL
		...1		DDRLNSL	"X'10" NON-STANDARD LABEL
		.... 1...		DDRLSD	"X'08" STANDARD LABEL
		.... ...1		DDRLNOP	"X'01" NO POSITIONING AND TAPE READING
93	(5D)	BITSTRING	1	DDRRETRY	IGFDM0 RETRY COUNT
94	(5E)	BITSTRING	2	DDRREC (0)	RECORDER PARM FIELDS
94	(5E)	BITSTRING	1	DDRREC1	RECORDER FLAGS
		.... ...1		DDRRECON	"X'01" WRITE DDR RECORD
		.... ...1.		DDRR91	"X'02" ISSUE SVC 91
		.... ...11		DDRRBLF	"X'03" BUFFERED LOG TO BE READ/RESET AND RECORDED
95	(5F)	BITSTRING	1	DDRREC2	RECORDER PARM LIST
		1...		DDRRFMTO	"X'80" (0=TO,1=FROM) RECORD
96	(60)	BITSTRING	4	DDRUSER (0)	USER FIELDS YM04069
96	(60)	BITSTRING	1	DDRUMODE	USER MODE YM04069
97	(61)	BITSTRING	3	DDRRESV	RESERVED YM04069
100	(64)	BITSTRING	4	DDRUBCNT	USER BLOCK COUNT YM04069
104	(68)	BITSTRING	4	DDRSSOB	ADDRESS OF SSOB Y02BKCI
108	(6C)	ADDRESS	4	DDREXITI	ADDRESS OF DDREXIT INFORMATION CONTROL BLOCK
112	(70)	BITSTRING	4	DDRWTOWD (0)	WTO ID WORD
112	(70)	BITSTRING	1	DDRWTO1	FIRST BYTE OF WTO ID WORD, USED BY DDR WHEN DOING CS WITH UCBWTOID
113	(71)	BITSTRING	3	DDRWTOID	WTO ID (SAVED FOR MESSAGES WHICH MUST BE DOM'D
116	(74)	BITSTRING	1	DDRRSV	RESERVED
117	(75)	BITSTRING	1	DDRFLAGS	MISC FLAGS
		1...		DDRINTER	"X'80" INTERCEPT INDICATOR
		.1.		DDRIOA	"X'40" 'FROM' DEVICE QUIESCED BY IOACTION
		.1.		DDRPDASV	"X'20" PDASoption was found on the SWAP command.
		...1		DDRFBNBND	"X'10" UCBXNBND status for FROM UCB
		.... 1...		DDRTXBNBND	"X'08" UCBXNBND status for TO UCB
		.... ...1..		DDR2UCBS	"X'04" Copy of the DDP2UCBS bit which indicates that the DDR exit requires that both the FROM and TO UCBs be controlled by DDR and provided to the exit on all calls.
		.... ...1.		DDRUNSER	"X'02" With DDR2UCBS set, this bit indicates that DDR serialized the TO device and depending on whether or not the swap was successful, either the FROM or TO device needs to be unserialized following the swap process.
		.... ...1		DDRVRYOF	"X'01" With DDR2UCBs set, this bit indicates that DDR varied the TO device online and depending on whether or not the swap was successful, either the FROM or TO device needs to be varied offline following the swap process.
118	(76)	BITSTRING	2	DDRERRCD	ERROR CODE FOR CURRENTLY MOUNTED VOLUME
120	(78)	BITSTRING	4	DDRM5BTKN	Address of message buffer token for Console Services message buffer
124	(7C)	BITSTRING	4	DDRFTPTS (0)	DDR FOOTPRINTS
124	(7C)	BITSTRING	1	DDRFTPT1	FIRST FOOTPRINT BYTE
125	(7D)	BITSTRING	1	DDRFTPT2	SECOND FOOTPRINT BYTE
		1...		DDRNQJ3	"X'80" JES3 is either not up or does not exist for this system.
					Comment
EQU X'7F' Reserved					
					End of Comment
126	(7E)	BITSTRING	1	DDRFTPT3	THIRD FOOTPRINT BYTE
		1...		DDRWD0IN	"X'80" DW0 RECEIVED CONTROL
		.1.		DDRIOSIN	"X'40" IOSVSWAP PROCESSING IS INITIATED
		.1.		DDRIOSOT	"X'20" IOSVSWAP IS COMPLETE (INCLUDING ALL RETRIES OF IOSVSWAP)
		...1		DDRJES3C	"X'10" THE FINAL SSI CALL TO JES3 SIGNALING SWAP COMPLETE HAS BEEN ISSUED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		DDRSCHED	"X'08" THE SRB ASSOCIATED WITH THE I/O REQUEST HAS BEEN SCHEDULED.
		.... .1..		DDRUSRC0	"X'04" UCB swap (IOSVSWAP) was successful
		.... ..1.		DDRIGDEU	"X'02" IGDE information has been updated (DDR called IEFAB4CD)
		.... ...1		DDRJES3D	"X'01" The final SSI call to JES3 signaling swap complete has been deferred and needs to be completed.
127	(7F)	BITSTRING	1	DDRFPT4	FOURTH FOOTPRINT BYTE
128	(80)	BITSTRING	16	DDRSERVE	FIELD RESERVED FOR SERVICEABILITY USE
144	(90)	SIGNED	4	DDRCONID	Four byte console ID.
148	(94)	CHARACTER	8	DDRCART	Command And Response Token.
156	(9C)	CHARACTER	4	DDRLTKN	TOKEN RETURNED BY LACS SERVICE
160	(A0)	CHARACTER	8	DDRFMPT	FROM UCB Pin Token
168	(A8)	CHARACTER	8	DDRTOPT	TO UCB Pin Token
176	(B0)	BITSTRING	4	DDRRORIGF	ADDR. OF PRE-SWAP 'FROM' UCB
180	(B4)	BITSTRING	4	DDRRORIGT	ADDR. OF PRE-SWAP 'TO' UCB
184	(B8)	BITSTRING	4	DDRASUCB	ADDR. OF ALLOCATION-SERIALIZED UCB
188	(BC)	BITSTRING	4	DDRASIM	ADDRESS OF ASIM USED FOR IOACTION PROCESSING FOR SHARED DASD
192	(C0)	BITSTRING	2	DDRASIML	ASIM LENGTH
194	(C2)	CHARACTER	1	DDRPDAS	Value of PDASoption (when DDRFLAGS.DDRPDASV is on)
195	(C3)	BITSTRING	1		RESERVED
196	(C4)	BITSTRING	40	DDREXPAN	RESERVED FOR EXPANSION
236	(EC)	SIGNED	4	DDRCEND (0)	END DDRCOM ON WORD BOUNDARY. SRB FOLLOWS IN GETMAIN AREA.

DDRCOM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DDR@WAIT	51	2	DDRID	0	
DDRACTV	9	80	DDRIDIGT	42	F
DDRAPP	44		DDRIDT	42	7
DDRAPP1	44		DDRIDVINV	42	15
DDRAPP2	45		DDRIDYST	42	A
DDRASID	26		DDRIGDEU	7E	2
DDRASIM	BC		DDRIHSWAP	42	10
DDRASIML	C0		DDRIIN	42	4
DDRASUCB	B8		DDRIIOA	42	C
DDRBSF	50	2F	DDRIJ3	42	8
DDRBUFL	B	80	DDRIJ3OFL	42	12
DDRBYPTM	9	2	DDRIJ3ONL	42	13
DDRCART	94		DDRIJ3USE	42	11
DDRCEND	EC		DDRILAB	51	20
DDRCNTRL	8		DDRIMNT	51	10
DDRCOM	0		DDRIMP	42	1
DDRCONID	90		DDRINA	42	6
DDRCOUNT	4C		DDRINO	42	5
DDRCUA	52	4	DDRINS	42	3
DDRDA	B	40	DDRINTER	75	80
DDRDCCHAR	A		DDRINV	42	
DDRDEN	24	4	DDRINV1	42	
DDRSTAT	B		DDRINV2	43	
DDRW0IN	7E	80	DDRIOA	75	40
DDRERRCD	76		DDRIOF	50	
DDREXITI	6C		DDRIOF1	50	
DDREXPAN	C4		DDRIOF2	51	
DDRFIRST	24	1	DDRIONL	42	9
DDRFLAGS	75		DDRIOPD	42	D
DDRFMCUA	15		DDRIOSIN	7E	40
DDRFMNAM	14		DDRIOSOT	7E	20
DDRFMPT	A0		DDRIPAG	42	E
DDRFMUCB	20		DDRITAKE	51	40
DDRFSS	50	3F	DDRIUF	42	2
DDRFSSID	12		DDRIUNAVL	42	14
DDRFPT4	7C		DDRIVOLI	42	B
DDRFPT1	7C		DDRJES3C	7E	10
DDRFPT2	7D		DDRJES3D	7E	1
DDRFPT3	7E		DDRJES3L	24	2
DDRFPT4	7F		DDRLABEL	5C	
DDRFXBND	75	10	DDRLAL	5C	80
DDRHAMA	9	20	DDRLBLP	5C	40
DDRIBUF	48		DDRLEVEL	25	
DDRIBUFL	46		DDRLIB	55	8
DDRICNT	51	8	DDRLNL	5C	20

DDRCOM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DDRLNOP	5C	1	DDRRTENQ	24	80
DDRLNSL	5C	10	DDRRUENQ	24	40
DDRLOAD	50	1	DDRRUN	50	F
DDRLSL	5C	8	DDRRYENQ	24	10
DDRLTKN	9C		DDRR91	5E	2
DDRMGTKN	78		DDRSCHED	7E	8
DDRMMDR	A		DDRSERVE	80	
DDRMMSG	52		DDRSIRB	9	4
DDRMMSGCD	53		DDRSNS	50	4
DDRMMSGOP	52		DDRSRC	8	
DDRMMSGP	54		DDRSSOB	68	
DDRMMSGPC	55		DDRSTAT	9	
DDRMMSGPN	54		DDRSYS	8	40
DDRMT	B	20	DDRTAIP	40	C
DDRMTEND	B	2	DDRTBR	40	4
DDRM150I	53	12	DDRTCE	40	7
DDRM150S	53	13	DDRTCE1	41	1
DDRM1509	53	14	DDRTCE2	41	2
DDRM1511	53	15	DDRTCE3	41	3
DDRM1512	53	16	DDRTCE4	41	4
DDRM1513	53	17	DDRTCE5	41	5
DDRM500D	53	2	DDRTCE6	41	6
DDRM500I	53	1	DDRTCE7	41	7
DDRM501I	53	D	DDRTCE8	41	8
DDRM502E	53	3	DDRTCNTL	51	4
DDRM503I	53	4	DDRTCO	40	5
DDRM505I	53	5	DDRTCU	40	9
DDRM509D	53	7	DDRTEP	40	2
DDRM509I	53	6	DDRTER	40	
DDRM511A	53	8	DDRTER1	40	
DDRM512I	53	9	DDRTER2	41	
DDRM513I	53	A	DDRTEST	3C	
DDRM514I	53	C	DDRTEXC	40	B
DDRM515I	53	B	DDRTID	40	8
DDRM516I	53	E	DDRTIU	40	6
DDRM517I	53	F	DDRTJE	40	A
DDRM518I	53	10	DDRTL	40	10
DDRM519I	53	11	DDRTMSG	40	FF
DDRNO	52	3	DDRTNA	41	0
DDRNOJ3	7D	80	DDRTNF	40	1
DDRNOP	50	3	DDRTOC	40	3
DDRNXT	4		DDRTOCUA	19	
DDROPER	8	80	DDRTONAM	18	
DDRORIGF	B0		DDRTOPT	A8	
DDRORIGT	B4		DDRTOUCB	1C	
DDRPAGE	8	20	DDRTRD	40	E
DDRPDAS	C2		DDRTREP	40	D
DDRPDASV	75	20	DDRTRPOS	B	4
DDRPDV	55	A	DDRTRR	40	F
DDRPFM	55	2	DDRTSSID	13	
DDRPIC	55	9	DDRTSUF	40	11
DDRPLT	55	5	DDRTXBND	75	8
DDRPNO	55	1	DDRUASCB	38	
DDRPRC	55	B	DDRUASID	10	
DDRPRG	9	8	DDRUBCNT	64	
DDRPSN	55	6	DDRUDCB	28	
DDRPTM	55	7	DDRUDEB	2C	
DDRPTO	55	3	DDRUIOB	30	
DDRPVL	55	4	DDRUIOSB	C	
DDRQUE	9	40	DDRUMODE	60	
DDRRBLF	5E	3	DDRUSER	75	2
DDRRCYCLE	B	8	DDRUR	B	10
DDRRDBK	50	C	DDRURES	61	
DDRRDENQ	24	20	DDRUSER	60	
DDRRREAD	50	2	DDRUSRC0	7E	4
DDRRREC	5E		DDRUTCB	34	
DDRRRECON	5E	1	DDRVCM	43	2
DDRRREC1	5E		DDRVFM	43	1
DDRRREC2	5F		DDRVRYOF	75	1
DDRRRETRY	5D		DDRVUS	43	3
DDRRFMTO	5F	80	DDRWHICH	51	80
DDRRMV	9	10	DDRWTOID	71	
DDRRROWN	24		DDRWTOR	52	1
DDRRSV	74		DDRWTOWD	70	

Name	Hex Offset	Hex Value
DDRWTO1	70	
DDRXA4	50	A4
DDRYES	52	2
DDR2UCBS	75	4

DDT Information

DDT Heading Information

Common Name: IECDDT Device Descriptor Table Mapping
Macro ID: IECDDT
DSECT Name: DDT
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: DDT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Data Space: N/A
 Residency: N/A
Size: 76-bytes
Created by: N/A
Pointed to by: The UCBDT field of the UCB data area
Serialization: None
Function: Maps the fields of a DDT pointed to by a UCB
 Notes: The DDT is a logical extension of the UCB. It is a variable length list of entries that correspond to device dependent routines or tables which reside in either the Nucleus or Link Pack Area (LPA). A Device Descriptor Table (DDT) will be pointed to by all UCBs that describe the same device type.

DDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	76	DDT	
0	(0)	CHARACTER	4	DDTNAME	Character ID (DDT) and a blank
4	(4)	BITSTRING	1	DDTFL1	Flag byte
		1... ..		DDTLPAIN	LPA addresses in the DDT are initialized.
		.111 1111		*	Reserved
5	(5)	UNSIGNED	1	DDTRSVD2	Reserved
6	(6)	CHARACTER	2	DDTRSVD1	Reserved

Comment

Validity bit map - With bit set, indicates that the corresponding 4 byte field exists in the DDT.
 For those fields marked as required, the contents of the field is valid in that it contains a valid address or pointer.
 For those fields not marked as required DDT fields, the field needs to be checked to determine if the field is non-zero.

End of Comment

8	(8)	CHARACTER	4	DDTVALBM	Validity bit map
8	(8)	BITSTRING	1	DDTVALB1	Bit map byte 1
		1... ..		DDTVSIO	SIO TRAP is valid (Required)
		.1.		DDTVTRAP	TRAP EXIT is valid (Required)
		..1.		DDTVUNIN	Unsolicited Interrupt exit is valid
		...1		DDTVSENS	Sense exit is valid
		.... 1..		DDTVEOS	End-of-sense exit is valid
		.... .1.		DDTVTCCW	CCW table entry is valid (Required)
		.... ..1.		DDTVERPM	ERP Message write exit is valid (Required)
		.... ...1		DDTVMIH	MIH exit entry is valid
9	(9)	BITSTRING	1	DDTVALB2	Bit map byte 2
		1... ..		DDTVERAS	Erase exit is valid
		.1.		DDTVDSE	Device service exit valid.
		..1.		DDTVDDR	DDR exit is valid
		...1		DDTVCPSP	Channel program scan exit is valid (EXCP processor use only)
		.... 1..		DDTVOPEN	Subsystem name for OPEN is valid
		.... .111		*	Reserved
10	(A)	BITSTRING	1	DDTVALB3	Bit map byte 3
11	(B)	BITSTRING	1	DDTVALB4	Bit map byte 4
12	(C)	CHARACTER	4	DDTLPABM	LPA Bit map
12	(C)	BITSTRING	1	DDTLPAB1	LPA bit map byte 1
		1111 11..		*	Reserved
		.... ..1.		DDTLPERP	ERP message writer entry contains a module suffix instead of an addr.

DDT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
13	(D)	.... ...1 BITSTRING	1	DDTLPAB2	Reserved LPA bit map byte 2
		11.. .... ...1. .... ...1 1111		DDTLPDDR	Reserved DDR exit entry contains a 4 character suffix instead of an address
14	(E)	BITSTRING	1	DDTLPAB3	LPA bit map byte 3
15	(F)	BITSTRING	1	DDTLPAB4	LPA bit map byte 4
16	(10)	CHARACTER	4	DDTLPAPF	Four character prefix concatenated with four character suffix to build LPA module names.

Comment

Start of the DDT entries

End of Comment

20	(14)	CHARACTER	56	DDTENTRY	Start of DDT entries
20	(14)	ADDRESS	4	DDTSIO	SIO exit address (Required)
24	(18)	ADDRESS	4	DDTTRAP	TRAP code exit address (Required)
28	(1C)	ADDRESS	4	DDTUNIN	Unsolicited interrupt exit address
32	(20)	ADDRESS	4	DDTSENSE	Sense routine exit address
36	(24)	ADDRESS	4	DDTEOS	End-Of-Sense exit address
40	(28)	ADDRESS	4	DDTTCCW	TCCW OP table address (Required)
44	(2C)	ADDRESS	4	DDTERPMS	ERP message writer exit ID(required)
48	(30)	ADDRESS	4	DDTMIH	MIH exit address
52	(34)	ADDRESS	4	DDTERASE	Erase Exit Address
56	(38)	ADDRESS	4	DDTDSE	Device service exit address.
60	(3C)	ADDRESS	4	DDTDDR	DDR exit ID or address
64	(40)	ADDRESS	4	DDTCPS	Channel Program Scan exit address
68	(44)	CHARACTER	4	DDTOPEN	Subsystem name for OPEN
72	(48)	ADDRESS	4	DDTRERPA	Resident ERP address or zero.

DDT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DDT	0		DDTVERAS	9	80
DDTCPS	40		DDTVERPM	8	02
DDTDDR	3C		DDTVMIH	8	01
DDTDSE	38		DDTVOPEN	9	08
DDTENTRY	14		DDTVSENS	8	10
DDTEOS	24		DDTVSIO	8	80
DDTERASE	34		DDTVTCCW	8	04
DDTERPMS	2C		DDTVTRAP	8	40
DDTFL1	4		DDTVUNIN	8	20
DDTLPABM	C				
DDTLPAB1	C				
DDTLPAB2	D				
DDTLPAB3	E				
DDTLPAB4	F				
DDTLPAIN	4	80			
DDTLPAPF	10				
DDTLPDDR	D	20			
DDTLPERP	C	02			
DDTMIH	30				
DDTNAME	0				
DDTOPEN	44				
DDTRERPA	48				
DDTRSVD1	6				
DDTRSVD2	5				
DDTSENSE	20				
DDTSIO	14				
DDTTCCW	28				
DDTTRAP	18				
DDTUNIN	1C				
DDTVALBM	8				
DDTVALB1	8				
DDTVALB2	9				
DDTVALB3	A				
DDTVALB4	B				
DDTVCPMS	9	10			
DDTVDDR	9	20			
DDTVDSE	9	40			
DDTVEOS	8	08			

DEIB Information

DEIB Heading Information

Common Name: Data Set Extent Information Block
Macro ID: ILRDEIB
DSECT Name: DEIB
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: DEIB
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: Above 16 Megabytes virtual
Size: Header is 8 bytes plus one 12 byte entry for each data set extent
Created by: ILROPS00
Pointed to by: PAREDEIB field of the PART entry.
Serialization: None
Function: Describes the starting and ending cylinders for each extent of a page data set.

DEIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DEIB	
0	(0)	CHARACTER	8	DEIBHDR	Header information for all entries
0	(0)	CHARACTER	4	DEIBID	DEIB identifier 'DEIB'
4	(4)	SIGNED	2	DEINO	Number of extents in data set
6	(6)	SIGNED	2	DEILEN	Length of entry to map an extent
8	(8)	CHARACTER	12	DEIENTS (*)	Entry to define each extent of a data set

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	DEIENT	DEIB entry
0	(0)	SIGNED	4	DEISTCYL	Actual starting cylinder number for this extent
4	(4)	SIGNED	4	DEILOCYL	Relative cylinder for beginning of this extent
8	(8)	SIGNED	4	DEIHICYL	Relative cylinder for end of this extent

DEIB Cross Reference

Name	Hex Offset	Hex Value
DEIB	0	
DEIBHDR	0	
DEIBID	0	
DEIENT	0	
DEIENTS	8	
DEIHICYL	8	
DEILEN	6	
DEILOCYL	4	
DEINO	4	
DEISTCYL	0	

DFE Information

DFE Heading Information

Common Name: VSM Double Free Element
Macro ID: IHADFE
DSECT Name: DFE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245 or 255
 Key: 0
 Residency: Above 16M line
Size: 24 bytes
Created by: IGVADFE, IGVBDFFE, IGVGCAS, IEAIPL04
Pointed to by: AQATDFE, SQATDFE, DFEANEXT, DFEAPREV, DFESNEXT, DFESPREV
Serialization: VSMFIX lock for global subpools
 LOCAL lock for private area subpools
Function: Describes SQA and LSQA free area within pages allocated to a subpool.

DFE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	DFE	DOUBLE FREE ELEMENT
0	(0)	ADDRESS	4	DFEANEXT	ADDRESS OF NEXT DFE ON ADDRESS QUEUE
4	(4)	ADDRESS	4	DFEAPREV	ADDRESS OF PREVIOUS DFE ON ADDRESS QUEUE
8	(8)	ADDRESS	4	DFESNEXT	ADDRESS OF NEXT DFE ON SIZE QUEUE
12	(C)	ADDRESS	4	DFESPREV	ADDRESS OF PREVIOUS DFE ON SIZE QUEUE
16	(10)	ADDRESS	4	DFEAREA	ADDRESS OF FREE AREA
20	(14)	UNSIGNED	4	DFESIZE	SIZE OF FREE AREA

DFLM Information

DFLM Heading Information

Common Name: DAE OPTIONS
Macro ID: ADYDFLM
DSECT Name: DFLM
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: DFL
 Offset: 0
 Length: 3
Storage Attributes: Subpool: 239
 Key: 0
 Residency: BELOW,ANYWHERE ALLOCATION METHOD: GETMAIN FREQUENCY: 1 PER SYSTEM
Size: 'C4'
Created by: IEAVTSDI
Pointed to by: DSCDFL
Serialization: NONE
Function: Maps the current values for the DAE operations. The current values are a result of the DAE default values found in module ADYDFLT and the options specified by the most recent SET DAE=xx operator command.

DFLM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	196	DFLM	DAE DEFAULT DATA AREA
0	(0)	CHARACTER	4	DFLID	MACRO ID
0	(0)	CHARACTER	3	DFLDFL	ACRONYM 'DFL'
3	(3)	CHARACTER	1	DFLVSD	VERSION NUMBER
4	(4)	CHARACTER	8	DFLPLMEM	LAST SYS1.PARMLIB MEMBER SUCCESSFULLY PROCESSED FOR A SET DAE COMMAND.
12	(C)	CHARACTER	84	DFLCRIT	CRITERIA FOR SYMPTOM STRING TO BE CONSIDERED AS A UNIQUE IDENTIFIER BY DAE
12	(C)	SIGNED	2	DFLSCNT	MINIMUM NUMBER OF SYMPTOM KEYWORDS
14	(E)	SIGNED	2	DFLSLN	MINIMUM SYMPTOM STRING LENGTH
16	(10)	CHARACTER	40	DFLREQ	KEYS OF SPECIFIC SYMPTOMS REQUIRED FOR MATCHING - EACH TWO BYTES DEFINES A KEY
16	(10)	CHARACTER	2	DFLREQA	ARRAY CONTAINING ONE REQUIRED KEY PER ENTRY
				(4294967316:562115912)	
56	(38)	CHARACTER	40	DFLOPT	OPTIONAL KEYS FOR MATCHING - EACH TWO BYTES DEFINES A KEY WHICH IS OPTIONAL FOR MATCHING
56	(38)	CHARACTER	2	DFLOPTA	ARRAY CONTAINING ONE OPTIONAL KEY PER ENTRY
				(4294967316:562114808)	
96	(60)	CHARACTER	44	DFLDSN	NAME OF THE DATA SET CONTAINING THE DAE PROBLEM RECORDS.
140	(8C)	SIGNED	4	DFLEXPIR	EXPIRATION PERIOD IN DAYS FOR RECORDS IN THE DAE DATASET. IF THE DATE WHEN DAE IS STARTED IS MORE THAN THIS PERIOD AFTER THE LAST OCCURRENCE DATE, THEN THE RECORD WILL BE IGNORED.
144	(90)	SIGNED	4	DFLRECNO	MAXIMUM SIZE TO WHICH THE SYMPTON QUEUE WILL BE ALLOWED TO GROW. RECORD(NN). THIS WILL BE ROUNDED UP TO A MULTIPLE OF THE CPOOL BLKSIZE.
148	(94)	CHARACTER	8	DFLOFLAG	DAE OPTION FLAGS
148	(94)	BITSTRING	1	DFLDAEO	OPTIONS FOR DAE KEYWORDS WHICH DO NOT HAVE FLAGS FOR THE SUBPARAMETERS
		1...		DFLSTRT	START
		.1..		DFLSTOP	STOP
		..1.		DFLSHR	SHARED DAE DATA SET
		...1		DFLDSNS	DATASET NAME SPECIFIED
		.... 1...		DFLGSTP	GLOBALSTOP SPECIFIED
		.... .1..		DFLSHRO	SHARE OPTIONS
149	(95)	BITSTRING	2	DFLDOPT	DUMP OPTIONS WHICH ARE SHARED IN THE SYSPLEX.
149	(95)	BITSTRING	1	DFLSVC	OPTIONS FOR THE SVCDUMP KEYWORD
		1...		DFLSVCM	SVCDUMP(MATCH)
		.1..		DFLSVCS	SVCDUMP(SUPPRESS)
		..1.		DFLSVCU	SVCDUMP(UPDATE)
		...1		DFLSVCA	SVCDUMP(SUPPRESSALL)
150	(96)	BITSTRING	1	DFLSYSM	OPTIONS FOR THE SYSDUMP KEYWORD
		1...		DFLSYSMM	SYSDUMP(MATCH)
		.1..		DFLSYSMS	SYSDUMP(SUPPRESS)
		..1.		DFLSYSMU	SYSDUMP(UPDATE)
		...1		DFLSYSMA	SYSDUMP(SUPPRESSALL)

DFLM Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
151	(97)	BITSTRING 1... .... .1...	1	DFLGLB DFLGLBD DFLGLBO	OPTIONS FOR GLOBAL GLOBAL(DSN) GLOBAL(OPTIONS)
152	(98)	CHARACTER	4	*	RESERVED FOR FUTURE OPTION FLAGS
156	(9C)	UNSIGNED	4	DFLNOTIF	NOTIFY VALUES
156	(9C)	SIGNED	2	DFLNOTDN	NOTIFY DUMP NUMBER
158	(9E)	SIGNED	2	DFLNOTTM	NOTIFY TIME VALUE
160	(A0)	CHARACTER	2	DFLSUFF	Sysplex ADYSETxx suffix
162	(A2)	CHARACTER	2	DFLRSVD1	RESERVED
164	(A4)	UNSIGNED	4	DFLPDSIN	Partial dump suppression interval
168	(A8)	UNSIGNED	4	DFLPDSC1	Partial Dump count limit
168	(A8)	UNSIGNED	2	DFLPDSC2	Reserved
170	(AA)	SIGNED	2	DFLPDSC2	Halfword limit count
172	(AC)	CHARACTER	24	DFLRSVD2	RESERVED
196	(C4)	CHARACTER	0	DFLENDBT	End of DFL definition

DFLM Constants

Len	Type	Value	Name	Description
4	CHARACTER	DFL1	DFLVSN	NAME AND VERSION NUMBER VALUE TO BE PLACED IN DFLID WHEN THIS DATAAREA IS CREATED.
4	DECIMAL		DFLSMNC	MINIMUM VALUE ALLOWED FOR DFVSCNT (NUMBER OF SYMPTOMS FOR UNIQUENESS)

Comment

NOTE: THE MAXIMUM NUMBER OF SYMPTOMS ALLOWED IS RESTRICTED BY THE IMPLEMENTAION OF FIELDS DFLREQA AND DFLOPTA.

End of Comment

4	DECIMAL	25	DFLSMNL	MINIMUM VALUE ALLOWED FOR DFVSLN (BYTES OF DATA FOR UNIQUENESS)
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Comment

NOTE: THE MAXIMUM SYMPTOM STRING LENGTH ALLOWED IS RESTRICTED BY THE IMPLEMENTAION OF THE SYMPTOM QUEUE AND DATASET. SEE MAPPINGS ADYSYMP AND ADYSRCD.

End of Comment

4	DECIMAL	1	DFLRMIN	MINIMUM VALUE ALLOWED FOR DFLRECNO (RECORD KEYWORD)
4	DECIMAL	1	DFLEXMIN	MINIMUM VALUE ALLOWED FOR DFLEXPIR (EXPIRATION OF ERROR RECORD IN DAE DATASET)
4	DECIMAL	15	DFLPDSCF	Default for DFLPDSC1/T field, limit of dump events after which partial dump suppression
4	DECIMAL	2000	DFLPDSCF	Default hundredths of second interval, for DFLPDSC1/T field, where duplicate SVC dumps will be suppressed if the previous one was Partial
4	DECIMAL	50	DFLSMAXL	MAXIMUM LENGTH ALLOWED FOR ANY SINGLE MVS SYMPTOM (KEYWORD PLUS DATA). THIS IS DONE TO PREVENT A SINGLE SYMPTOM FROM USING UP THE ENTIRE SYMPTOM STRING.
4	DECIMAL	15	DFLSMXRL	MAXIMUM LENGTH ALLOWED FOR ANY SINGLE RETAIN SYMPTOM (KEYWORD PLUS DATA). THIS IS A RETAIN DATA BASE RESTRICTION.

DFLM Cross Reference

Name	Hex Offset	Hex Value
DFLCRIT	C	
DFLDAEO	94	
DFLDFL	0	
DFLDOPT	95	
DFLDSN	60	
DFLDSNS	94	10
DFLEENDBT	C4	
DFLEXPIR	8C	
DFLGLB	97	
DFLGLBD	97	80
DFLGLBO	97	40
DFLGSTP	94	08
DFLID	0	
DFLM	0	
DFLNOTDN	9C	
DFLNOTIF	9C	
DFLNOTTM	9E	
DFLOFLAG	94	
DFLOPT	38	
DFLOPTA	38	
DFLPDSC1	AA	
DFLPDSC2	A8	
DFLPDSC3	A8	
DFLPDSC4	A4	
DFLPLMEM	4	
DFLRECNO	90	
DFLREQ	10	
DFLREQA	10	
DFLRSVD1	A2	
DFLRSVD2	AC	
DFLSCNT	C	
DFLSHR	94	20
DFLSHRO	94	04
DFLSLN	E	
DFLSTOP	94	40
DFLSTRT	94	80
DFLSUFF	A0	
DFLSVC	95	
DFLSVCA	95	10
DFLSVCM	95	80
DFLSVCS	95	40
DFLSVCU	95	20
DFLSYSM	96	
DFLSYSMA	96	10
DFLSYSMM	96	80
DFLSYSMS	96	40
DFLSYSMU	96	20
DFLVSD	3	

DMDT Information

DMDT Heading Information

Common Name: Domain Table Description
Macro ID: IRADMDT
DSECT Name: DMDT (unless DSECT=NO is coded)
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: DMDT
 Offset: 'EC'x
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: 240 bytes (per domain or service class period)
Created by: IEEMB812, IEAVNP10, IRAMSCHG, IRAMSBLD, IRAMSBL2, IRAPATOP
Pointed to by: RMCTDMDT field of the RMCT data area
 (OUCBDMO is used to get to a particular domain in compatibility mode)
 DMDTNEXT field of the DMDT data area
 DMDTPREV field of the DMDT data area
Serialization: SRM Lock
Function: The DMDT specifies the domains into which user transactions are divided, and for each domain, the constraints on its participation in the changing of the multi-system programming level and current domain control status.
 The domain to be used for a transaction is indicated by the -WPGPDMN- field of the current period within the applicable performance group description.

DMDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	256	DMDT	
0	(0)	UNSIGNED	1	DMDTNO	DOMAIN NUMBER
1	(1)	UNSIGNED	1	DMDTRSV0	RESERVED
2	(2)	SIGNED	2	DMDTMPLI	MPL IN TARGET
4	(4)	SIGNED	2	DMDTMPL0	MPL OUT TARGET
6	(6)	SIGNED	2	DMDTRSV1	Reserved
8	(8)	SIGNED	2	DMDTFITS	last FITS return code
10	(A)	SIGNED	2	DMDTCMPL	CURRENT MPL
12	(C)	SIGNED	2	DMDTOUTU	CURRENT # USERS ON OUT Q
14	(E)	SIGNED	2	DMDTINC0	CURRENT # SWAPPABLE INCORE USERS
16	(10)	SIGNED	4	DMDTRUC	ACCUMULATOR FOR READY USER AVERAGE
20	(14)	UNSIGNED	4	DMDTWMS	INTVL DMN SVCE ACCUM
24	(18)	UNSIGNED	4	DMDTTWSR	WEIGHTED INTVL DMN SVCE
28	(1C)	SIGNED	4	DMDTMTA1	maximum of in target and achieved accumulator, wlm mode only
32	(20)	UNSIGNED	2	DMDTCIDX	CONTENTION INDEX, srm mode only
34	(22)	SIGNED	2	DMDTNSW	CURRENT # NONSWAPPABLE IN USERS
36	(24)	SIGNED	2	DMDTRUMX	MAX # READY USERS IN INTERVAL
38	(26)	BITSTRING	1	DMDTFLGS	FLAG BYTE
		1... ..		DMDTRTO	RTO PERIOD IN THIS DMN
		.1... ..		DMDTASRV	ASRV SPECIFIED FOR THIS DOMAIN
		..1.		DMDTFXCI	FIXED CONTENTION INDEX SPECIFIED FOR THIS DOMAIN
		...1 1111		*	RESERVED
39	(27)	UNSIGNED	1	DMDTRSV3	RESERVED
40	(28)	SIGNED	4	DMDTTRNC	XACTN COUNT FOR RTO, srm mode only
40	(28)	UNSIGNED	4	DMDTRUC2	ready user accumulator for plotting, wlm mode only
44	(2C)	SIGNED	4	DMDTTRNT	ELAPSED TIME ACCUM FOR RTO, srm mode only
44	(2C)	UNSIGNED	4	DMDTMTA2	maximum of in target and achieved accumulator for plotting, wlm mode only
48	(30)	SIGNED	4	DMDTTWET	ELAPSED TIME AVG FOR RTO, srm mode only
48	(30)	UNSIGNED	4	DMDTINT1	in target accumulator, wlm mode only
52	(34)	SIGNED	2	DMDTLO	MIN MPL LEVEL, srm mode only
54	(36)	SIGNED	2	DMDTHI	MAX MPL LEVEL, srm mode only
56	(38)	SIGNED	4	DMDTASRL	LOW AVERAGE SERVICE RATE, srm mode only
56	(38)	UNSIGNED	4	DMDTACH1	mpl achieved accumulator, wlm mode only
60	(3C)	SIGNED	4	DMDTASRH	HIGH AVERAGE SERVICE RATE
64	(40)	SIGNED	4	DMDTDSRL	LOW TOTAL SERVICE RATE
68	(44)	SIGNED	4	DMDTDSRH	HIGH TOTAL SERVICE RATE
72	(48)	SIGNED	2	DMDTCRTI	ESTOR CRITERIA TABLE INDEX, srm mode only
74	(4A)	SIGNED	2	DMDTCRTR	REQUESTED CRITERIA TABLE INDEX

DMDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
76	(4C)	SIGNED	2	DMDTRUMW	weighted ready user max, srm mode only
76	(4C)	SIGNED	2	DMDTLRUA	long term ready user average (*16), wlm mode only
78	(4E)	SIGNED	2	DMDTRSV2	Reserved
80	(50)	SIGNED	4	DMDTRUA	Average number of ready users to 1 hex place
84	(54)	SIGNED	4	DMDTASCT	number of spaces in period, wlm mode only.
88	(58)	SIGNED	4	DMDTASAC	accumulator for dmdtasav, wlm mode only. Includes enclaves
92	(5C)	SIGNED	4	DMDTASAV	average spaces in period * 256, wlm mode only. Includes enclaves
96	(60)	SIGNED	4	DMDTLASA	long term number of address spaces in period, wlm mode only Includes enclaves
100	(64)	SIGNED	4	DMDTRUC3	Accumulator for ready users (rm2 interval wlm mode only)
104	(68)	SIGNED	4	DMDTMTA3	maximum of in target and achieved (rm2 interval, wlm mode only)
108	(6C)	UNSIGNED	4	DMDTACH3	mpl achieved accumulator (rm2 interval, wlm mode only)
112	(70)	SIGNED	4	DMDTENCT	number of enclaves in period, wlm mode only
116	(74)	SIGNED	4	DMDTENC1	accumulator of DMDTENCT, wlm mode only
120	(78)	SIGNED	4	DMDTRSV5	Reserved (4294967298:562114560)
128	(80)	ADDRESS	4	DMDTNEXT	next dmdt address
132	(84)	ADDRESS	4	DMDTPREV	previous dmdt address
136	(88)	CHARACTER	100	DMDTWORK	Domain workarea for IRARMCAP and IRARMMON (Refer to mappings DMDTCAPW and DMDTMONW for details on the contents of the workareas)
236	(EC)	SIGNED	4	DMDTAOAC	accumulator for dmdtasct, wlm mode only, same as dmdtasac except enclaves not included
240	(F0)	SIGNED	4	DMDTAOAV	average spaces in period * 256, wlm mode only, same as dmdtasav except enclaves not included
244	(F4)	SIGNED	4	DMDTLOSA	long term number of address spaces in period, wlm mode only same as dmdtlasa except enclaves not included
248	(F8)	CHARACTER	4	DMDTRSV6	Reserved
252	(FC)	CHARACTER	4	DMDTNAME	Acronym
256	(100)	CHARACTER	0	DMDTEND	END OF DMDT End of this block

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	STRUCTURE	93	DMDTCAPW	
136	(88)	ADDRESS	4	DMDTCPI	CPI list (4294967306:562127360)
176	(B0)	ADDRESS	4	DMDTCPO	CPO list (4294967306:562127360)
216	(D8)	SIGNED	2	DMDTCPII	Index for CPI
218	(DA)	SIGNED	2	DMDTNUMI	Number of CPI entries
220	(DC)	SIGNED	2	DMDTCPOI	Index for CPO
222	(DE)	SIGNED	2	DMDTNUMO	Number of CPO entries
224	(E0)	SIGNED	2	DMDTSWPI	Number of swap-in candidates that have not been processed
226	(E2)	SIGNED	2	DMDTSWPO	Number of swap-out candidates that have not been processed
228	(E4)	BITSTRING	1	*	Flag fields
		1...		DMDTBLDI	Indicate CPI list was built
		.1.		DMDTBLDO	Indicate CPO list was built
		..1.		DMDTSKPI	Skip indicator for CPI list
		...1		DMDTDONE	Used during Unilateral Swap-in Part 2. When on, there should be no other attempts to swap address spaces into this domain
		.... 1111		*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	STRUCTURE	82	DMDTMONW	Workarea mapping for IRARMMON and IRARMSTA during an RM2 invocation. The data described by this mapping should not be used outside an RM2 interval.
136	(88)	ADDRESS	4	DMDTROAP	Table of swapped in WSM address space OUCB pointers in increasing workload manager recommendation value order. If the number of swapped in address spaces in the domain is greater than 20 then this table contains the top 10 address spaces with the lowest RV and the top 10 address spaces with the highest RV
216	(D8)	SIGNED	2	DMDTRONM	Number of address spaces in the DMDTROAP table.

DMDT Constants

Len	Type	Value	Name	Description
4	DECIMAL	256	DMDTLEN	

DMDT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DMDT	0		DMDTRUMX	24	
DMDTACH1	38		DMDTSKPI	E4	20
DMDTACH3	6C		DMDTSWPI	E0	
DMDTAOAC	EC		DMDTSWPO	E2	
DMDTAOAV	F0		DMDTTRNC	28	
DMDTASAC	58		DMDTTRNT	2C	
DMDTASAV	5C		DMDTTWET	30	
DMDTASCT	54		DMDTTWSR	18	
DMDTASRH	3C		DMDTWMS	14	
DMDTASRL	38		DMDTWORK	88	
DMDTASRV	26	40			
DMDTBLDI	E4	80			
DMDTBLDO	E4	40			
DMDTCAPW	88				
DMDTCIDX	20				
DMDTCMPL	A				
DMDTCPI	88				
DMDTCPII	D8				
DMDTCPO	B0				
DMDTCPOI	DC				
DMDTCRTI	48				
DMDTCRTR	4A				
DMDTDONE	E4	10			
DMDTDSRH	44				
DMDTDSRL	40				
DMDTENCT	70				
DMDTENC1	74				
DMDTEND	100				
DMDTFITS	8				
DMDTFLGS	26				
DMDTFXCI	26	20			
DMDTHI	36				
DMDTINCU	E				
DMDTINT1	30				
DMDTLASA	60				
DMDTLO	34				
DMDTLOSA	F4				
DMDTLRUA	4C				
DMDTMONW	88				
DMDTMPLI	2				
DMDTMPLO	4				
DMDTMTA1	1C				
DMDTMTA2	2C				
DMDTMTA3	68				
DMDTNAME	FC				
DMDTNEXT	80				
DMDTNO	0				
DMDTNSW	22				
DMDTNUMI	DA				
DMDTNUMO	DE				
DMDTOUTU	C				
DMDTPREV	84				
DMDTROAP	88				
DMDTRONM	D8				
DMDTRSV0	1				
DMDTRSV1	6				
DMDTRSV2	4E				
DMDTRSV3	27				
DMDTRSV5	78				
DMDTRSV6	F8				
DMDTRTO	26	80			
DMDTRUA	50				
DMDTRUC	10				
DMDTRUC2	28				
DMDTRUC3	64				
DMDTRUMW	4C				

DOCNP Information

DOCNP Programming Interface Information

Programming Interface Information

DOCNP

End of Programming Interface Information

DOCNP Heading Information • DOCNP Cross Reference

DOCNP Heading Information

Common Name: Dynamic Output Installation Exit Parameter List
Macro ID: IEFDOCNP
DSECT Name: DOCNP
Owning Component: Dynamic Output (BB131)
Eye-Catcher ID: DOCN
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 1
 Residency: Any
Size: 32 bytes
Created by: Dynamic output
Pointed to by: On entry to the installation exit, register 1 points at a word which points at DOCNP.
Serialization: N/A
Function: Maps the fixed parameter list passed to IEFDOIXT, the dynamic output installation exit.

DOCNP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DOCNP	Dynamic Output parameter list
0	(0)	CHARACTER	4	DOCNID	Identifier 'DOCN'
4	(4)	BITSTRING	1	DOCNVERS	Version number
5	(5)	BITSTRING	1	DOCNFNC1	Function byte
		1... ..		DOCNNEW	"X'80" Add a new output descriptor
		.1... ..		DOCNDEL	"X'40" Delete an output descriptor
6	(6)	BITSTRING	2	DOCNLEN	Length of the parameter list
8	(8)	CHARACTER	8	DOCNNAME	Output descriptor name
16	(10)	SIGNED	4	DOCNTXTP	Pointer to text unit pointer list
20	(14)	BITSTRING	1	DOCNFNC2	Function byte
		1... ..		DOCNCENQ	"X'80" Conditional ENQ requested Bits X'40' and X'20' are reserved for a special use. They are not intended for common use. Unless specifically documented otherwise, they should be zeroed on input to SVC 109. They should not be altered by the dynamic output installation exit.
21	(15)	CHARACTER	3	DOCNRSV0	Reserved for IBM
24	(18)	CHARACTER	4	DOCNRSV1	Reserved for IBM
28	(1C)	CHARACTER	4	DOCNRSV2	Reserved for IBM
28	(1C)	X'20'	0	DOCNEND	"" End of the parameter list

DOCNP Cross Reference

Name	Hex Offset	Hex Value
DOCNCENQ	14	80
DOCNDEL	5	40
DOCNEND	1C	20
DOCNFNC1	5	
DOCNFNC2	14	
DOCNID	0	
DOCNLEN	6	
DOCNNAME	8	
DOCNNEW	5	80
DOCNP	0	
DOCNRSV0	15	
DOCNRSV1	18	
DOCNRSV2	1C	
DOCNTXTP	10	
DOCNVERS	4	

DOMC Information

DOMC Programming Interface information

Programming Interface information

DOMC

End of Programming Interface information

DOMC Heading Information • DOMC Map

DOMC Heading Information

Common Name: DELETE-OPERATOR-MESSAGE CONTROL BLOCK
Macro ID: IHADOMC
DSECT Name: DOMCBASE
Owning Component: COMMUNICATION TASK (SC1CK)
Eye-Catcher ID: DOMC
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 231
 Key: 0
 Residency: ANY
Size: 32 BYTES PLUS 4 BYTES PER MESSAGE ID
 FOLLOWED BY A 28 BYTE TRAILER
Created by: CNZM1RM, CNZSCLOT, CNZS1DOM, IEAVBWTO,
 IEAVG608, IEAVG715, IEAVVRP2
Pointed to by: -ON THE DOM CHAIN POINTED TO BY FIELD
 UCMDOME IN THE UCM.
 -FIELD SSDMDMC2 OF THE SSDM
 \$MAC(IHADOMC),COMP(SC1CK): Delete Operator Message (DOM)
Serialization: LOCAL AND CMS LOCKS
Function: MAPS THE DATA AREA USED TO COMMUNICATE
 DOM IDS, SYSID, TOKEN, ASID, TCB
 BETWEEN THE REQUESTER OF DOM
 AND THE COMMUNICATIONS TASK WHICH WILL
 PERFORM THE DOM.

DOMC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DOMCBASE	, - START OF DOMC PASSED TO SUBSYSTEM (JBB2220)
0	(0)	CHARACTER	4	DOMCBID	ACRONYM: DOMC
4	(4)	ADDRESS	4	DOMCLNK	POINTER TO NEXT DOMC
8	(8)	ADDRESS	4	DOMCIDP	POINTER TO LIST OF DOM IDS
12	(C)	ADDRESS	4	DOMCTRP	POINTER TO DOMC TRAILER
16	(10)	SIGNED	2	DOMCTSIZ	TOTAL SIZE OF ALL PARTS OF DOMC
18	(12)	BITSTRING	1	DOMCFLG2	MISCELLANEOUS FLAGS #2
		1...		DOMCRSV5	"BIT0" - Reserved (formerly DomcMark)
		.1.		DOMCNORM	"BIT1" - Build a DOM(NORMAL) MDB
		..1.		DOMCWTOR	"BIT2" - This DOMC is for a WTOR
		...1		DOMCRSV7	"BIT3" - Reserved (formerly DomcNH)
		.... 1...		DOMCFORN	"BIT4" - DOMC came from another system
		.... .1..		DOMBYREPLY	"BIT5" - Free reply id by reply processing
19	(13)	BITSTRING	1	DOMCRSV0	RESERVED
20	(14)	SIGNED	4	DOMCRSV1	RESERVED
20	(14)	X'18'	0	DOMC	*** - START OF DOMC PASSED TO SUBSYSTEM (PRE-JBB2220)
24	(18)	BITSTRING	1	DOMCNTRL	- CONTROL FLAGS
		1...		DOMCDBTK	"BIT0" - DOM BY TOKEN, NO DOMCID FIELD EXISTS
		.1.		DOMCDBSY	"BIT1" - DOM BY SYSID, NO DOMCID FIELD EXISTS
		..1.		DOMCRSV2	"BIT2" - Reserved (formerly DomcSext)
		...1		DOMCAUTH	"BIT3" - DOM ISSUED BY AUTHORIZED USER. NOT ON WHEN EITHER DOMCDBL OR DOMCDBAJ IS ON. MAY BE ON WHEN DOMCDBTK AND DOMCDBSY ARE ON. IF DOMCDBL AND DOMCBAJ AND DOMCDBTK AND DOMCDBSY ARE OFF, ALL MESSAGE IDS ARE VALID.
		.... 1...		DOMCDBAJ	"BIT4" - DOM BY ASID AND JOB STEP TCB ADDRESS, NO DOMCID FIELD EXISTS (OS/VS2) MDC004
		.... .1..		DOMCREIS	"BIT5" - CROSS SYSTEM DOM REISSUE TRANSPORTED BY JES3
		.... ..1.		DOMCDBL	"BIT6" - DOM BY ASID ONLY, NO DOMCID FIELDS EXITS
		.... ...1		DOMCPROC	"BIT7" - DOMC HAS BEEN PROCESSED
25	(19)	BITSTRING	1	DOMCVRSN	VERSION LEVEL
25	(19)	X'4'	0	DOMCVRID	"DOMCJBB7727" VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
25	(19)	X'1'	0	DOMCSP21	"1" VERSION LEVEL FOR OS/VS2 HBB2102
25	(19)	X'2'	0	DOMCSP22	"2" VERSION LEVEL FOR OS/VS2 JBB2220
25	(19)	X'3'	0	DOMCSP41	"3" VERSION LEVEL FOR HBB4410
25	(19)	X'4'	0	DOMCJBB7727	"4" Version Level for JBB7727
26	(1A)	BITSTRING	1	DOMCCNT	COUNT OF 4-BYTE DOM IDS
27	(1B)	BITSTRING	1	DOMCFLGS	MISCELLANEOUS FLAGS
		1...		DOMCRSV8	"BIT0" - Reserved (formerly DomcBrdc)
		.1.		DOMCLNKB	"BIT1" - DOM INVOKED THRU BRANCH ENTRY
		..1.		DOMCSKIP	"BIT2" - SKIP DELAYED MESSAGE QUEUE PROCESSING
		...1		DOMCRSV9	"BIT3" - Reserved (formerly DomcDumy)
		.... 1...		DOMCRSVC	"BIT4" - Reserved (formerly DomcFrid)
		.... .1..		DOMCRSVA	"BIT5" - Reserved (formerly DomcldOk)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		DOMCRSVB	"BIT6" - Reserved (formerly DomcMtch)
		.... ..1		DOMCNWTR	"BIT7" - Do not DOM a WTOR by ASID or ASID/JSTCB

Comment

A DOMC ENTRY

End of Comment

28	(1C)	ADDRESS	4	DOMCID (0)	- DOMC MESSAGE ID ENTRY (MAXIMUM OF 60 ENTRIES)
28	(1C)	BITSTRING	1	DOMCSYID (0)	- SYSTEM ID
28	(1C)	BITSTRING	1	DOMCFLAG	- DOMCID ENTRY FLAGS
		1... ..		DOMCEND	"BIT0" - THIS IS THE LAST DOMCID ENTRY IN THIS DOMC
29	(1D)	ADDRESS	3	DOMCIDA	- MESSAGE ID TO BE DOM'ED

Comment

THE DOMC TRAILER
THE FOLLOWING FIELDS ARE LOCATED IMMEDIATELY FOLLOWING THE
LAST DOMCID ENTRY

End of Comment

32	(20)	CHARACTER	28	DOMCTRLR (0)	THE DOMC TRAILER
32	(20)	CHARACTER	16	DOMCTRL1 (0)	THE DOMC TRAILER (PRE-SP410 SIZE)
32	(20)	SIGNED	2	DOMCASID	- ASID OF DOM ISSUER (OS/VS2) MDC006
34	(22)	SIGNED	2	DOMCSIZE	- SIZE OF DOMC PASSED TO SUBSYSTEM (IN BYTES) EXCLUDES THE DOMC HEADER FOR COMPATIBILITY REASONS
36	(24)	ADDRESS	4	DOMCJTCB	- ADDRESS OF THE JOB STEP'S TCB (OS/VS2) MDC007
40	(28)	SIGNED	1	DOMCSID	SYSTEM ID
41	(29)	SIGNED	3	DOMCRSV3	RESERVED
44	(2C)	ADDRESS	4	DOMCTOKN	TOKEN
48	(30)	CHARACTER	12	DOMCTRL2 (0)	More DOMC trailer
48	(30)	CHARACTER	12	DOMCRSV4	Reserved (includes formerly DomcTime)

Comment

OTHER CONSTANTS

End of Comment

48	(30)	X'E7'	0	K_DOMC_SUBPOOL	"231" Subpool storage for a DOMC
48	(30)	X'3C'	0	K_DOMC_MAX_IDS	"60" Maximum number of ids in a list

DOMC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DOMBYREPLY	12	4	DOMCPROC	18	1
DOMC	14	18	DOMCREIS	18	4
DOMCASID	20		DOMCRSVA	1B	4
DOMCAUTH	18	10	DOMCRSVB	1B	2
DOMCBASE	0		DOMCRSVC	1B	8
DOMCBID	0		DOMCRSV0	13	
DOMCCNT	1A		DOMCRSV1	14	
DOMCDBAJ	18	8	DOMCRSV2	18	20
DOMCDBL	18	2	DOMCRSV3	29	
DOMCDBSY	18	40	DOMCRSV4	30	
DOMCDBTK	18	80	DOMCRSV5	12	80
DOMCEND	1C	80	DOMCRSV7	12	10
DOMCFLAG	1C		DOMCRSV8	1B	80
DOMCFLGS	1B		DOMCRSV9	1B	10
DOMCFLG2	12		DOMCSID	28	
DOMCFORN	12	8	DOMCSIZE	22	
DOMCID	1C		DOMCSKIP	1B	20
DOMCIDA	1D		DOMCSP21	19	1
DOMCIDP	8		DOMCSP22	19	2
DOMCJBB7727	19	4	DOMCSP41	19	3
DOMCJTCB	24		DOMCSYID	1C	
DOMCLNK	4		DOMCTOKN	2C	
DOMCLNKB	1B	40	DOMCTRLR	20	
DOMCNORM	12	40	DOMCTRL1	20	
DOMCNTRL	18		DOMCTRL2	30	
DOMCNWTR	1B	1	DOMCTRP	C	

DOMC Cross Reference

Name	Hex Offset	Hex Value
DOMCTSIZ	10	
DOMCVRID	19	4
DOMCVRSN	19	
DOMCWTOR	12	20
K_DOMC_MAX_IDS	30	3C
K_DOMC_SUBPOOL	30	E7

DOMPL Information

DOMPL Heading Information

Common Name: DOM Parameter List
Macro ID: IEZVM112
DSECT Name: DOMPL
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Yes
 Subpool: Any
 Key: Any
Size: 4 bytes per message id, up to 60 message ids
Created by: Issuer of DOM macro
Pointed to by: Register 1 on entry to DOM processing
Serialization: N/A
Function: Input parameter list for DOM processing.

DOMPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	DOMPL	MESSAGE ID ENTRY
0	(0)	SIGNED	4	DOMPDMID	DOM SEQUENCE NUMBER
0	(0)	UNSIGNED	1	DOMPSYID	SYSTEM ID
0	(0)	BITSTRING	1	DOMPFLAG	FLAGS BYTE OF DOM ID ENTRY
		1...		DOMPEND	IF ON THEN END OF DOM PARM LIST
1	(1)	ADDRESS	3	DOMPID	ID OF MESSAGE TO BE DOMED

DQE Information

DQE Heading Information

Common Name: VSM Descriptor Queue Element
Macro ID: IHADQE
DSECT Name: DQE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245 or 255
 Key: 0
 Residency: Above 16M line
Size: 24 bytes
Created by: IGVGCSA, IGVGPVT, IGVFSDQE, IGVGAPVT, IGVNIPCR
Pointed to by: SPQAFBDQ, SPQALBDQ, SPQAFADQ, SPQALADQ,
 SPQAFEDQ, SPQALDQ, SPTFBDQE, SPTLBDQE
 SPTFADQE, SPTLADQE, SPTFEDQE, SPTLEDQE
 DQENEXT, DQEPREV, FQEDQE
Serialization: VSMFIX lock for global subpools
 LOCAL lock for private area subpools
Function: Describes CSA and private area space (in 4k
 multiples) allocated to a subpool.

DQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	DQE	DESCRIPTOR FREE ELEMENT
0	(0)	ADDRESS	4	DQENEXT	ADDRESS OF NEXT DQE
4	(4)	ADDRESS	4	DQEPREV	ADDRESS OF PREVIOUS DQE
8	(8)	ADDRESS	4	DQEFFQE	ADDRESS OF FIRST FQE
12	(C)	ADDRESS	4	DQELFQE	ADDRESS OF LAST FQE
16	(10)	ADDRESS	4	DQEAREA	ADDRESS OF ALLOCATED AREA
20	(14)	BITSTRING	4	DQESIZE32	SIZE OF ALLOCATED AREA
		1... ..		DQEUNUSABLE	STORAGE NOT USABLE
20	(14)	BITSTRING	3	DQESIZE	SIZE OF ALLOCATED AREA

DSAB Information

DSAB Programming Interface information

Programming Interface information

DSAB

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

- DSABSSNM
- DSABTIOT

End of Programming Interface information

DSAB Heading Information • DSAB Map

DSAB Heading Information

Common Name: DATA SET ASSOCIATION BLOCK
Macro ID: IHADSAB
DSECT Name: DSAB, DSABANMI
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: DSAB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: SWA subpool
 Key: 1
 Residency: Defaults to below, but is stored above if requested via the S99DSABA bit in the SVC 99 parameter list.
Size: DSAB: LENGTH(DSAB)
 DSABANMI: 1 + DSABANML
Created by: IEFAB428 - Build DSAB/TIOT Entry
Pointed to by: SIOTETIO in the IEFASIOT
 JSCDSABQ -> Queue Descriptor Block(QDB)
 (ie. QDB(QDBFELMP) -> first DSAB
 QDB(QDBLELMP) -> last DSAB, ...)
Serialization: None
Function: THE DATA SET ASSOCIATION BLOCK, DSAB, AND ITS
 CORRESPONDING TIOT DD ENTRY CONTAIN INFORMATION
 WHICH SERVE AS AN INTERFACE BETWEEN ALLOCATION
 (BOTH STEP AND DYNAMIC) AND OTHER SYSTEM
 COMPONENTS. DSABS ARE ELEMENTS OF A NON-
 CONTIGUOUS, DOUBLE-THREADED CHAIN. THE TIOT
 ENTRY IS ADDRESSED FROM THE DSAB FIELD DSABTIOT.
 The GETDSAB executable macro can be used to
 obtain the DSAB addresses.

DSAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSAB	
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	4	DSABID	IN-CORE ID,CHARACTERS 'DSAB'
4	(4)	SIGNED	4	DSABFCHN	NEXT BELOW THE LINE DSAB POINTER, 0 IF LAST, OR IF DSAB RESIDES ABOVE THE 16MB LINE
8	(8)	SIGNED	4	DSABBCHN	PREVIOUS BELOW THE LINE DSAB POINTER, 0 IF FIRST, OR IF DSAB RESIDES ABOVE THE 16MB LINE
12	(C)	SIGNED	2	DSABLNTN	LENGTH OF DSAB
14	(E)	SIGNED	2	DSABOPCT	OPEN DCB COUNT FOR TIOT DD ENTRY
16	(10)	SIGNED	4	DSABTIOT	TIOT DD ENTRY PTR
20	(14)	CHARACTER	1	DSABRS01	RESERVED
21	(15)	CHARACTER	3	DSABSSVA	SWA VIRTUAL ADDRESS OF SIOT
24	(18)	CHARACTER	1	DSABRS02	RESERVED
25	(19)	CHARACTER	3	DSABXSVA	SVA of XSIOT
28	(1C)	SIGNED	4	DSABANMP	&NAME OR GDG-ALL DSNAME PTR, 0 IF NONE
32	(20)	CHARACTER	2	DSABORG (0)	DATA SET ORGANIZATION
32	(20)	BITSTRING	1	DSABORG1	1ST BYTE OF DSORG FLAGS
		1...		DSABIS	"X'80" INDEXED SEQUENTIAL ORGANIZATION
		.1...		DSABPS	"X'40" PHYSICAL SEQUENTIAL ORGANIZATION
		..1.		DSABDA	"X'20" DIRECT ACCESS ORGANIZATION
		...1		DSABCX	"X'10" COMMUNICATIONS LINE GROUP
		.... 1...		DSABCQ	"X'08" DIRECT ACCESS MESSAGE QUEUE
		.... .1..		DSABMQ	"X'04" PROBLEM PROGRAM MESSAGE QUEUE
		.... ..1.		DSABPO	"X'02" PARTITIONED ORGANIZATION
		.... ...1		DSABU	"X'01" UNMOVEABLE
33	(21)	BITSTRING	1	DSABORG2	2ND BYTE OF DSORG FLAGS
		1...		DSABGS	"X'80" GRAPHICS ORGANIZATION
		.1...		DSABTX	"X'40" TCAM LINE GROUP
		..1.		DSABTQ	"X'20" TCAM MESSAGE QUEUE
		.... 1...		DSABAM	"X'08" VSAM
		.... .1..		DSABTR	"X'04" TCAM 3705
34	(22)	BITSTRING	1	DSABFLG1	FLAGS-RESTORED BY RESTART
		1...		DSABDALC	"X'80" DYNAMICALLY ALLOCATED
		.1...		DSABPALC	"X'40" PERMANENTLY ALLOCATED ATTRIBUTE
		..1.		DSABDCNV	"X'20" DYNAMICALLY CONVERTED
		...1		DSABCONV	"X'10" CONVERTIBLE ATTRIBUTE
		.... 1...		DSABDCAT	"X'08" DYNAMICALLY CONCATENATED
		.... .1..		DSABPCAT	"X'04" PERMANENTLY CONCATENATED
		.... ..1.		DSABCATM	"X'02" CONCATENATED GROUP MEMBER
		.... ...1		DSABNUSE	"X'01" IN-USE ATTRIBUTE
35	(23)	BITSTRING	1	DSABFLG2	FLAGS-RESTORED BY RESTART

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1... ..		DSABOPEN	"X'80" DATA SET HAS BEEN OPENED
		.1.		DSABIRM	"X'40" D.S. REVERSED MERGED FOR INPUT
		..1.		DSABUNAL	"X'20" UNALLOCATE WHEN CLOSED
		...1		DSABVLF	"X'10" VIRTUAL LOOKASIDE FACILITY
		.... 1..		DSABJCHG	"X'08" DSNAME OR VOLSER CHANGED IN THE JFCB
		.... .1.		DSABNODI	"X'04" When = 1, no dataset integrity specified on dynamic allocation. Valid only if DSABDALC also set
		.... ..1.		DSABATCT	"X'02" Use alternate TCTIOT offset contained in DSABTCT2 rather than DSABTCTL
36	(24)	BITSTRING	1	DSABFLG3	FLAGS-NOT RESTORED BY RESTART
		1...		DSABDEFR	"X'80" DEFERRED MOUNTING
		.1.		DSABPASS	"X'40" PASS/RETAIN IND
		..1.		DSABVAM	"X'20" VIO DATA SET
		...1		DSABVMSC	"X'10" VIO PAGING SPACE RELEASED
		.... 1..		DSABCATL	"X'08" DATA SET IS A CATALOG

Comment

EQU X'04' Reserved, was DSABJSCT

End of Comment

		.... ..1.		DSABVVDS	"X'02" VVDS - ICF CATALOG
		.... ..1		DSABTIOX	"X'01" DSAB HAS XTIOX ENTRY (FOR SYSTEM PROGRAM USE ONLY)
37	(25)	BITSTRING	1	DSABFLG4	FLAGS-NOT RESTORED BY RESTART
		1...		DSABCKDS	"X'80" THIS IS A CHECKPT DATA SET
		.1.		DSABCKVL	"X'40" VOLUME CONTAINING CHECKPT DATA SET IS SECURE
		..1.		DSABCKSI	"X'20" SECURITY INTERFACE EXISTS FOR THE CHECKPT DATA SET
		...1		DSABHIER	"X'10" HIERARCHICAL FILE INDICATOR
		.... 1..		DSABGANM	"X'08" ALTERNATE NAME SECTION GETMAINED
		.... ..1.		DSABLCAT	"X'04" LAST DATASET IN DD CONCATENATION
		.... ..1.		DSABAUCB	"X'02" Actual UCBs are to be used for this request
		.... ...1		DSABCASL	"X'01" DSAB TO BE COPIED INTO CATALOG ADDRESS SPACE (CAS)
38	(26)	SIGNED	2	DSABDEXT	INDEX TO DEXT TABLE
40	(28)	SIGNED	4	DSABTCBP	TCB UNDER WHICH SET IN-USE
44	(2C)	SIGNED	4	DSABPTTR	RELATIVE TTR OF DATA SET PASSWORD
48	(30)	CHARACTER	4	DSABSSNM	SUB-SYSTEM NAME
52	(34)	SIGNED	4	DSABSSCM	SUB-SYSTEM COMMUNICATION AREA POINTER
56	(38)	CHARACTER	6	DSABDCBM	BIT MAP OF DCB FIELDS
62	(3E)	SIGNED	2	DSABTCTL	Offset of lookup entry from beginning of TCTIOT. If DSABATCT is on, use DSABTCT2 instead
64	(40)	SIGNED	4	DSABSIOT	SIOT IN-CORE ADDRESS
68	(44)	SIGNED	4	DSABTOKN	DD TOKEN
72	(48)	SIGNED	4	DSABTCT2	Offset of lookup entry from beginning of TCTIOT - always valid
76	(4C)	ADDRESS	4	DSABSIOX	Virtual address of SIOTX
80	(50)	SIGNED	4	DSABFCHA	NEXT ABOVE OR BELOW THE LINE DSAB POINTER, 0 IF LAST
84	(54)	SIGNED	4	DSABBCHA	PREVIOUS ABOVE OR BELOW THE LINE DSAB POINTER, 0 IF FIRST
88	(58)	BITSTRING	1	DSABFLG5	GENERAL USE FLAGS
		1...		DSABABOV	"X'80" DSAB RESIDES ABOVE THE 16MB LINE
		.1.		DSABDMED	"X'40" INDICATES THIS DSAB'S DME HAS BEEN DELETED
		..1.		DSABBMAL	"X'20" INDICATES THIS DSAB CAN BYPASS MULTIPLE ALLOCATION CHECKING IN IEFDB4A1
		...1		DSABDASP	"X'10" Indicates this DSAB had its DD Accounting information suppressed and does not have a TCTIOT entry
		.... 1..		DSABSSXT	"X'08" Indicates this DSAB is a subsys DD, where the subsystem supports the DynAlloc functions of XTIOX, DSAB above the line and uncaptured UCB. Set by IEFAB427, used by OPEN
89	(59)	CHARACTER	7	DSABRS03	RESERVED
89	(59)	X'60'	0	DSABL	"*-DSAB" LENGTH OF DSECT

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSABANMI	ALTERNATE DSNAME INFORMATION
0	(0)	SIGNED	1	DSABANML	LENGTH OF ALTERNATE DSNAME
1	(1)	CHARACTER	1	DSABANAM	ALTERNATE DSNAME
1	(1)	X'2'	0	DSABANL	"*-DSABANMI" LENGTH OF DSECT 4

DSAB Cross Reference

DSAB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSAB	0		DSABTCTL	3E	
DSABABOV	58	80	DSABTCT2	48	
DSABAM	21	8	DSABTIOT	10	
DSABANAM	1		DSABTIOX	24	1
DSABANL	1	2	DSABTOKN	44	
DSABANMI	0		DSABTQ	21	20
DSABANML	0		DSABTR	21	4
DSABANMP	1C		DSABTX	21	40
DSABATCT	23	2	DSABU	20	1
DSABAUCB	25	2	DSABUNAL	23	20
DSABBCHA	54		DSABVAM	24	20
DSABBCHN	8		DSABVLF	23	10
DSABBMAL	58	20	DSABVMSC	24	10
DSABCASL	25	1	DSABVVDS	24	2
DSABCATL	24	8	DSABXSVA	19	
DSABCATM	22	2			
DSABCKDS	25	80			
DSABCKSI	25	20			
DSABCKVL	25	40			
DSABCONV	22	10			
DSABCQ	20	8			
DSABCX	20	10			
DSABDA	20	20			
DSABDALC	22	80			
DSABDASP	58	10			
DSABDCAT	22	8			
DSABDCBM	38				
DSABDCNV	22	20			
DSABDEFR	24	80			
DSABDEXT	26				
DSABDMED	58	40			
DSABFCHA	50				
DSABFCHN	4				
DSABFLG1	22				
DSABFLG2	23				
DSABFLG3	24				
DSABFLG4	25				
DSABFLG5	58				
DSABGANM	25	8			
DSABGS	21	80			
DSABHIER	25	10			
DSABID	0				
DSABIRM	23	40			
DSABIS	20	80			
DSABJCHG	23	8			
DSABL	59	60			
DSABLCAT	25	4			
DSABLNTH	C				
DSABMQ	20	4			
DSABNODI	23	4			
DSABNUSE	22	1			
DSABOPCT	E				
DSABOPEN	23	80			
DSABORG	20				
DSABORG1	20				
DSABORG2	21				
DSABPALC	22	40			
DSABPASS	24	40			
DSABPCAT	22	4			
DSABPO	20	2			
DSABPS	20	40			
DSABPTTR	2C				
DSABRS01	14				
DSABRS02	18				
DSABRS03	59				
DSABSIOT	40				
DSABSIOX	4C				
DSABSSCM	34				
DSABSSNM	30				
DSABSSVA	15				
DSABSSXT	58	8			
DSABTCBP	28				

DSABQDB Information

DSABQDB Heading Information

Common Name: DSAB Queue Descriptor Block (QDB)
Macro ID: IEFZB4D5
DSECT Name: DSABQDB
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: QDB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Subpool in JSCBSWSP when created by IEFAB4FC. This can be 236, 237, or 241. 230 when created by CNZI1CDP.
 Key: 1
Size: 80 bytes
Created by: IEFAB4FC
 CNZI1CDP (for CONSOLE address space)
Pointed to by: JSCDSABQ field of the JSCB data area
 LCTDSABQ field of the LCT data area
Serialization: SYSZTIOT major name with minor name of the address of DSABQDB and ASID. This resource serializes the DSAB chain in its entirety.
Function: This macro defines the DSAB queue descriptor block (QDB) for the device allocation routines. Note that the IHAQDB (external macro) is used to access many fields of the DSABQDB, but is a subset of IEFZB4D5.

DSABQDB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSABQDB	
0	(0)	CHARACTER	4	DSQDBID	ACRONYM IN EBCDIC -QDB-
4	(4)	BITSTRING	2	DSQATTRS	ATTRIBUTES
		1...		DSQRIURB	"X'80" RIU TABLE NEEDS REBUILDING
		.1.		DSQALLOC	"X'40" Step is allocated
		..1.		DSQSWARD	"X'20" SWA has been Read indicator.
		...1		DSQBADBA	"X'10" ABOVE OR BELOW THE LINE BACKWARD CHAIN INCORRECT
		.... 1...		DSQBADFA	"X'08" ABOVE OR BELOW THE LINE FORWARD CHAIN INCORRECT
		.... .1..		DSQDSABA	"X'04" AT LEAST ONE DSAB IS ABOVE THE LINE
4	(4)	X'2'	0	DSQCAT	"x'02" A DSAB with DSABVVDS set on was on the DSAB chain at some point during this job. This bit is managed totally by Catalog code.
6	(6)	SIGNED	2	DSQDBLN	QDB LENGTH
8	(8)	SIGNED	4	DSQNELMS	NUMBER OF ELEMENTS ON QUEUE
12	(C)	ADDRESS	4	DSQFRSTP	POINTER TO FIRST BELOW THE LINE DSAB
		1...		DSQBADBC	"X'80" BELOW THE LINE BACKWARD CHAIN IS INCORRECT
16	(10)	ADDRESS	4	DSQLASTP	POINTER TO LAST BELOW THE LINE DSAB
		1...		DSQBADFC	"X'80" BELOW THE LINE FORWARD CHAIN IS INCORRECT
20	(14)	SIGNED	2	DSQFDSP	DISP INTO DSAB FWD PTR
22	(16)	SIGNED	2	DSQBDSPP	DISP INTO DSAB BACKWD PTR
24	(18)	SIGNED	4	DSQDCPID	DSAB CELL POOL ID
28	(1C)	ADDRESS	4	DSQRIUTP	POINTER TO RIU TABLE
32	(20)	SIGNED	4	DSQNELMA	NUMBER OF ELEMENTS ON ABOVE OR BELOW THE LINE QUEUE
36	(24)	ADDRESS	4	DSQFRSTA	POINTER TO FIRST ABOVE OR BELOW THE LINE DSAB
40	(28)	ADDRESS	4	DSQLASTA	POINTER TO LAST ABOVE OR BELOW THE LINE DSAB
44	(2C)	SIGNED	2	DSQFDSA	DISPLACEMENT INTO ABOVE OR BELOW THE LINE DSAB POINTER
46	(2E)	SIGNED	2	DSQBDSA	DISPLACEMENT INTO ABOVE OR BELOW THE LINE DSAB POINTER
48	(30)	SIGNED	4	DSQDCPIA	ABOVE OR BELOW THE LINE DSAB CELL POOL ID
52	(34)	SIGNED	4	DSQDDSAM	ADDRESS OF THE DSAB METADATA
56	(38)	SIGNED	4	DSQLASTINUSETABLE	Address of the current Dynamic In-Use Table
60	(3C)	SIGNED	2	DSQLASTINUSEENTRY	Index of the next available Dynamic In-Use entry
62	(3E)	BITSTRING	1	DSQFEATFLAG	Indicates features that have been enabled by the caller (e.g. via IEFDDSRV MODIFY) @L8C
62	(3E)	X'80'	0	DSQMEMDSENQ	"x'80" Program enabled memory-based SYSDSN ENQ management @L8A
63	(3F)	BITSTRING	1	DSQFEATFLAGHISTORY	Indicates features that have been enabled by the caller at some point in the past, even if they were subsequently disabled. Not separately mapped. Use DSQFeatFlag. Set by IEFDDSRV via OR of DSQFeatFlag @L8A
64	(40)	SIGNED	4	DSQDSEOPTR	Address of the object representing the IEFODSEO class
68	(44)	SIGNED	4	DSQOWNINGTCB@	

DSABQDB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
72	(48)	SIGNED	4	DSQRSV1	TCB@ when QDB storage was obtained. Only valid within the address space that owns the QDB (may not be dependable for the QDB created for MASTER address space, which is in common storage)
76	(4C)	SIGNED	4	DSQDSQXPTR	Reserved for high half of DSQX pointer Pointer to the above the line extension (optional)

DSABQDB Cross Reference

Name	Hex Offset	Hex Value
DSABQDB	0	
DSQALLOC	4	40
DSQATTRS	4	
DSQBADBA	4	10
DSQBADBC	C	80
DSQBADFA	4	8
DSQBADFC	10	80
DSQBDSA	2E	
DSQBDSB	16	
DSQCAT	4	2
DSQDBID	0	
DSQDBLN	6	
DSQDCPIA	30	
DSQDCPID	18	
DSQDDSAM	34	
DSQDSABA	4	4
DSQDSEOPTR	40	
DSQDSQXPTR	4C	
DSQFDSA	2C	
DSQFDSB	14	
DSQFEATFLAG	3E	
DSQFEATFLAGHISTORY	3F	
DSQFRSTA	24	
DSQFRSTP	C	
DSQLASTA	28	
DSQLASTINUSEENTRY	3C	
DSQLASTINUSETABLE	38	
DSQLASTP	10	
DSQMEMDSENG	3E	80
DSQNELMA	20	
DSQNELMS	8	
DSQOWNINGTCB@	44	
DSQRIURB	4	80
DSQRIUTP	1C	
DSQRSV1	48	
DSQSWARD	4	20

DSCA Information

DSCA Heading Information

Common Name: DAE Communication Area
Macro ID: ADYDSCA
DSECT Name: DSCA
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: DSC
 Offset: 0
 Length: 3
Storage Attributes: Subpool: 239
 Key: 0
 Residency: BELOW,ANYWHERE ALLOCATION METHOD: GETMAIN FREQUENCY: 1 PER SYSTEM
Size: LENGTH(DSCA)
Created by: IEAVTSDI
Pointed to by: RTCTDSCA
Serialization: NONE
Function: Common data area for all DAE functions in the DUMPSRV address space, for predump processing, and for post-dump exit processing.

DSCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	192	DSCA	DAE COMMUNICATION AREA
0	(0)	CHARACTER	4	DSCID	MACRO ID
0	(0)	CHARACTER	3	DSCDSC	ACRONYM 'DSC'
3	(3)	CHARACTER	1	DSCVSN	VERSION NUMBER
4	(4)	ADDRESS	4	DSCDFL	ADDRESS OF DFLM (THE CURRENT DAE OPTIONS)
8	(8)	CHARACTER	2	DSCASUFF	START DAE Suffix eg '00'
10	(A)	CHARACTER	10	*	Reserved - available.
20	(14)	ADDRESS	4	DSCHPQP	HIGH PRIORITY TRANSACTION QUEUE HEAD. ELEMENTS ARE ADDED TO THE END AND REMOVED FROM THE HEAD
24	(18)	ADDRESS	4	DSCTRNP	LOW PRIORITY TRANSACTION QUEUE HEAD. ELEMENTS ARE ADDED TO THE END AND REMOVED FROM THE HEAD
28	(1C)	BITSTRING	4	DSCAECB	ECB TO BE POSTED WHENEVER A TRANSACTION IS PUT ONTO DSCHPQP OR DSCTRNP
		1...		DSCWAIT	WAIT BIT
		.1...		DSCPOST	ECB POSTED INDICATOR. IF THIS IS OFF ADYTRNS WILL NOT CHECK FOR TRANSACTIONS ON THE QUEUES.
32	(20)	CHARACTER	8	DSCMAJOR	MAJOR NAME USED TO ENQ ON THE TRANSACTION PROCESSOR QUEUES AND ECB
40	(28)	CHARACTER	8	DSCMINOR	MINOR NAME USED TO ENQ ON THE TRANSACTION PROCESSOR QUEUES AND ECB
48	(30)	ADDRESS	4	DSCDOMP	DOM ID TABLE ADDRESS
52	(34)	CHARACTER	28	DSCSDMP	FIELDS USED BY SDUMP
52	(34)	ADDRESS	4	DSCDSPDP	PTR-PRE-DUMP PARAM LIST=DSPD
56	(38)	ADDRESS	4	DSCHDRP	PTR-SDUMP HEADER RECORD AREA
60	(3C)	CHARACTER	20	*	RESERVED FOR SDUMP USE
80	(50)	CHARACTER	28	DSCMODP	ADDRESSES OF MODULES LOADED OR ZERO
80	(50)	ADDRESS	4	DSCPRED	PTR-ADYPRED- PREDUMP PROCESSOR
84	(54)	ADDRESS	4	DSCEXT	PTR-SYMPTOM EXTRACTION PROGRAM
88	(58)	ADDRESS	4	*	RESERVED
92	(5C)	ADDRESS	4	*	RESERVED
96	(60)	ADDRESS	4	*	RESERVED
100	(64)	ADDRESS	4	*	RESERVED
104	(68)	ADDRESS	4	*	RESERVED
108	(6C)	BITSTRING	1	DSCFLG1	DAE FLAGS
		1...		DSCFTRNS	Set on to indicate that ADYTRNS is not able to process x-actions due to a failure or not yet had a chance to complete initialization.
		.1...		DSCFIRSTINITCOMPLETE	Set on to indicate that DAE has successfully initialized through a SET DAE command once during an IPL.
109	(6D)	BITSTRING	1	DSCFLG2	FLAGS
110	(6E)	SIGNED	2	*	RESERVED.
112	(70)	BITSTRING	8	DSCGLBST	Most Recent Globalstop Time Stamp
120	(78)	CHARACTER	8	*	Reserved - Can Be Used Stamp
128	(80)	BITSTRING	8	DSCGLOBT	Most Recent Global Time Stamp
136	(88)	ADDRESS	4	DSCMHPQP	Message exit high priority Transaction queue head. Elements are added to the front of the queue via CS.

DSCA Constants • DSCA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
140	(8C)	ADDRESS	4	DSCMTRNP	Message exit low priority Transaction queue head. Elements are added to the front of the queue via CS.
144	(90)	CHARACTER	24	DSCSQSVC	Symptom Queue Control-SVC DUMP This symptom queue contains elements from SVC Dumps. The storage is Fixed Common. This area is mapped by the DSCSYMPQ.
168	(A8)	CHARACTER	24	DSCSQSYS	Symptom Queue Control-SYSMDUMPs This symptom queue contains symptoms from ABDUMPs, therefore the storage can be CSA/ECSA. This area is mapped by the DSCSYMPQ.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	24	DSCSYMPQ	SERIALIZATION FOR ALL SYMPTOM QUEUE ELEMENTS BOTH ON THE QUEUE AND OFF. SEE MAPPING ADYSYMP FOR DETAILS OF THE SQ executable macro.
0	(0)	CHARACTER	8	DSCSYMP	
0	(0)	BITSTRING 1... ..	2	DSCQFLG DSCSQVAL	ON=THE QUEUE IS VALID AND MAY BE USED. OFF=THE QUEUE MAY NOT BE USED.
2	(2)	SIGNED	2	DSCSYMPC	COUNT OF CURRENT SYMPTOM QUEUE USERS
4	(4)	ADDRESS	4	DSCSYMPP	ANCHOR FOR SYMPQ-ANY REFERENCE TO THIS QUEUE MUST BE SERIALIZED -SEE ADYSYMP. NEW ELEMENTS ARE ADDED TO THE HEAD.
8	(8)	CHARACTER	4	DSCCPID	CELL POOL ID FOR SYMPTOM QUEUE OR 0
12	(C)	SIGNED	2	DSCCPLST	COUNT OF THE NUMBER OF TIMES THE SYMPTOM QUEUE CPOOL WAS LOST (SYSMDUMP queue)
14	(E)	CHARACTER	2	*	Reserved
16	(10)	UNSIGNED	4	DSCCPCT	Number of available cells in the CPOOL.
20	(14)	CHARACTER	4	*	Reserved

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	20	DSCDOMID	TABLE OF DOM IDS
0	(0)	SIGNED	4	DSC010E	DOMID FOR MESSAGE ADY010E
4	(4)	SIGNED	4	DSC011EOR016E	DOMID FOR MESSAGE ADY011E or ADY016E
8	(8)	SIGNED	4	DSC014E	DOMID FOR MESSAGE ADY014E
12	(C)	SIGNED	4	DSC005E	DOMID FOR MESSAGE ADY005E
16	(10)	SIGNED	4	DSC006E	DOMID FOR MESSAGE ADY006E

DSCA Constants

Len	Type	Value	Name	Description
4	CHARACTER	DSC1	DSCVSN	NAME AND VERSION NUMBER TO BE PLACED IN DSCID WHEN THIS DATAAREA IS CREATED

DSCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSCA	0		DSCHPQP	14	
DSCAECB	1C		DSCID	0	
DSCASUFF	8		DSCMAJOR	20	
DSCCPCT	10		DSCMHPQP	88	
DSCCPID	8		DSCMINOR	28	
DSCCPLST	C		DSCMODP	50	
DSCDFL	4		DSCMTRNP	8C	
DSCDOMID	0		DSCPOST	1C	40
DSCDOMP	30		DSCPRED	50	
DSCDSC	0		DSCQFLG	0	
DSCDSPDP	34		DSCSDMP	34	
DSCEXT	54		DSCSQSVC	90	
DSCFIRSTINITCOMPLETE			DSCSQSYS	A8	
	6C	40	DSCSQVAL	0	80
DSCFLG1	6C		DSCSYMP	0	
DSCFLG2	6D		DSCSYMPC	2	
DSCFTRNS	6C	80	DSCSYMPP	4	
DSCGLBST	70		DSCSYMPQ	0	
DSCGLOBT	80		DSCTRNP	18	
DSCHDRP	38		DSCVSN	3	

Name	Hex Offset	Hex Value
DSCWAIT	1C	80
DSC005E	C	
DSC006E	10	
DSC010E	0	
DSC011EOR016E	4	
DSC014E	8	

DSD Information

DSD Programming Interface information

Programming Interface information

DSD

End of Programming Interface information

DSD Heading Information • DSD Cross Reference

DSD Heading Information

Common Name: DISPATCHABILITY SERVICE DATA AREA
Macro ID: IHADSD
DSECT Name: DSD DSDELEM
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: ANY
 Key: 0
 Residency: ABOVE OR BELOW 16M LINE IN VIRTUAL STORAGE
Size: 208 BYTES PLUS 4 BYTES TIMES ASVTMAXU (POTENTIAL NUMBER OF ADDRESS SPACES)
Created by: THE CALLER OF IEAMRMF3 MUST OBTAIN THE STORAGE FOR THIS DATAAREA. THE LENGTH OF THE AREA SHOULD BE THE LENGTH OF DSDFIXED PLUS ASVTMAXU*4. NO OTHER INITIALIZATION OF THE DATA AREA IS REQUIRED OF THE CALLER.
Pointed to by: N/A
Serialization: OWNER-SERIALIZED.
Function: MAP OF THE DATA AREA PASSED TO THE IEAMRMF3 SERVICE BY ITS CALLER. IEAMRMF3 PROVIDES DATA ABOUT THE DISPATCHABILITY OF ADDRESS SPACES. IT USES PART OF THE DATA AREA AS A WORKAREA. THE REST CONTAINS THE OUTPUT OF THE IEAMRMF3 SERVICE.

DSD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSD	
0	(0)	CHARACTER	208	DSDFIXED (0)	FIXED LENGTH PART OF THE DSD
0	(0)	ADDRESS	4	DSDAPTR	ADDRESS OF THE ARRAY WHICH CONTAINS THE ADDRESS SPACE DISPATCHABILITY DATA
4	(4)	SIGNED	2	DSDINDEXF	INDEX OF THE FIRST FILLED ARRAY ELEMENT. (CONTAINS X'FFFF', IF NONE ARE FILLED.)
6	(6)	SIGNED	2	DSDR006	RESERVED
8	(8)	CHARACTER	200	DSDAUTO	WORKAREA FOR THE IEAMRMF3 SERVICE
208	(D0)	ADDRESS	4	DSDARRAY (0)	ARRAY OF 4-BYTE ENTRIES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSDELEM	
0	(0)	SIGNED	2	DSDINDEXN	INDEX OF THE NEXT FILLED ARRAY ELEMENT. (CONTAINS X'FFFF', IF IT IS THE LAST FILLED ELEMENT.)
2	(2)	BITSTRING	1	DSDSTATE	FLAG BYTE TO INDICATE DISPATCH- ABILITY OF THE ADDRESS SPACE
		1...		DSDUSING	"X'80" ADDRESS SPACE IS DISPATCHABLE AND RUNNING ON A PROCESSOR
		.1..		DSDWAIT	"X'40" ADDRESS SPACE IS DISPATCHABLE AND IS WAITING TO RUN ON A PROCESSOR
		..1.		DSDREADY	"X'20" ADDRESS SPACE IS DISPATCHABLE AND IS WAITING TO RUN ON THE PROCESSOR EXERCISING THE IEAVERMF SERVICE
		...1		DSDTCBRY	"X'10" ADDRESS SPACE HAS A READY TCB THAT IS THE NEXT WORK TO RUN ON THE PROCESSOR EXERCISING THE IEAVERMF SERVICE
3	(3)	BITSTRING	1	DSDRSVD	RESERVED BYTE

DSD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSD	0		DSDWAIT	2	40
DSDAPTR	0				
DSDARRAY	D0				
DSDAUTO	8				
DSDELEM	0				
DSDFIXED	0				
DSDINDEXF	4				
DSDINDEXN	0				
DSDREADY	2	20			
DSDRSVD	3				
DSDR006	6				
DSDSTATE	2				
DSDTCBRY	2	10			
DSDUSING	2	80			

DSEV Information

DSEV Programming Interface information

Programming Interface information

DSEV

End of Programming Interface information

DSERV Heading Information • DSERV Map

DSERV Heading Information

Common Name: JES Job Information Service Token List
Macro ID: IAZDSERV
DSECT Name: DSERV
Owning Component: JES Common (SC141)
Eye-Catcher ID: DSRV
 Offset: DSRVSSID
 Length: L'DSRVSSID
Storage Attributes: Subpool: caller
 Key: 1, caller must be in key 1
 Residency: Virtual = any real = any
Size: See DSRVSZE
Created by: caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSJIUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by authorized programs to request Job Information Service from the JES checkpoint data space.

DSERV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSERV	
0	(0)	CHARACTER	4	DSRVSSID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	DSRVLEN	LENGTH OF DSERV TOKEN AREA
6	(6)	SIGNED	2	DSRVSVRN	SERVICE VERSION NUMBER
6	(6)	X'1'	0	DSRVSVR1	"1" Service version number of IAZDSERV - Version 4.1.0
6	(6)	X'2'	0	DSRVSVR2	"2" Service version number of IAZDSERV - Version 5.2.0
6	(6)	X'3'	0	DSRVSVR3	"3" Service version number of IAZDSERV - z/OS 1.2
6	(6)	X'4'	0	DSRVSVR4	"4" Service version number of IAZDSERV - z/OS 1.7
6	(6)	X'5'	0	DSRVSVR5	"5" Service version number of IAZDSERV - OA26875
6	(6)	X'6'	0	DSRVSVR6	"6" Service version number of IAZDSERV - z/OS 1.11
6	(6)	X'7'	0	DSRVSVR7	"7" Service version number of IAZDSERV - z/OS 1.13
6	(6)	X'8'	0	DSRVSVR8	"8" Service version number of IAZDSERV - z/OS 2.1
6	(6)	X'8'	0	DSRVSVR#	"8" Service version number of IAZDSERV - Latest Version DSRVSVRN MUST BE SET TO DSRVSVR#
6	(6)	X'8'	0	DSRVUSER	***
8	(8)	ADDRESS	4	DSRVCVPT	RESERVED FOR SUBSYSTEM USE
12	(C)	SIGNED	4	DSRVNUM	RESERVED FOR SUBSYSTEM USE
16	(10)	DBL WORD	8	DSRVJOTK (0)	JOT TOKEN
16	(10)	ADDRESS	4	DSRVJOPT	POINTER TO JOT
20	(14)	SIGNED	4	DSRVJOAL	ALET OF JOT
24	(18)	DBL WORD	8	DSRVJQTK (0)	JQE TOKEN
24	(18)	ADDRESS	4	DSRVJQPT	POINTER TO IQE
28	(1C)	SIGNED	4	DSRVJQAL	ALET OF IQE
32	(20)	DBL WORD	8	DSRVQSTK (0)	QSE TOKEN
32	(20)	ADDRESS	4	DSRVQSPT	POINTER TO QSE
36	(24)	SIGNED	4	DSRVQSAL	ALET OF QSE
40	(28)	DBL WORD	8	DSRVHCTK (0)	HCT TOKEN
40	(28)	ADDRESS	4	DSRVHCPT	POINTER TO HCT
44	(2C)	SIGNED	4	DSRVHICAL	ALET OF HCT
48	(30)	DBL WORD	8	DSRVTIME	TIME STAMP
48	(30)	X'38'	0	DSRVSIZE1	""-DSERV" DSERV Version 1 fixed parameter length
56	(38)	DBL WORD	8	DSRVJNTK (0)	JNT TOKEN
56	(38)	ADDRESS	4	DSRVJNPT	POINTER TO JNT
60	(3C)	SIGNED	4	DSRVJNAL	ALET OF JNT
60	(3C)	X'40'	0	DSRVSIZE2	""-DSERV" DSERV Version 2 fixed parameter length
64	(40)	DBL WORD	8	DSRVJQXK (0)	JQX token
64	(40)	ADDRESS	4	DSRVJXPT	Pointer to JQX
68	(44)	SIGNED	4	DSRVJXAL	ALET of JQX
72	(48)	DBL WORD	8	DSRVJTTK (0)	JQE trackgroup extension token
72	(48)	ADDRESS	4	DSRVJTPT	Pointer to IQE trkg ext
76	(4C)	SIGNED	4	DSRVJTAL	ALET of IQE trkg ext
80	(50)	DBL WORD	8	DSRVDASK (0)	DAS token
80	(50)	ADDRESS	4	DSRVDAPT	Pointer to DAS
84	(54)	SIGNED	4	DSRVDAAL	ALET of DAS
84	(54)	X'58'	0	DSRVSIZE3	""-DSERV" DSERV Version 3 fixed parameter length
88	(58)	BITSTRING	1	DSRVFLG1	DSERV flags
		1... ..		DSRVF1LI	"B'10000000" Use live version

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

Comment					

<p>The following flags will cause the version request to be delayed until the latest information is available from JES2. Setting these bits can result in additional processing overhead in JES2. Setting DSRVF1LI overrides this request.</p>					

End of Comment					
		.1.		DSRVF1WS	"B'01000000" Wait for latest MAS level version
		.1.		DSRVF1WB	"B'00100000" Wait for latest member level version
89	(59)	BITSTRING	1	DSRVJ2LV	Checkpoint level (\$MSTRVER)
90	(5A)	BITSTRING	6		Reserved for future use
90	(5A)	X'60'	0	DSRVSIZE4	"*-DSERV" DSERV Version 4 fixed parameter length
96	(60)	DBL WORD	8	DSRVWQSK (0)	WLM Q position token
96	(60)	ADDRESS	4	DSRVWQST	Pointer to WQPOS
100	(64)	SIGNED	4	DSRVWQSL	ALET of WQPOS
100	(64)	X'68'	0	DSRVSIZE5	"*-DSERV" DSERV Version 5 fixed parameter length
104	(68)	DBL WORD	8	DSRVJOXK (0)	JOX token
104	(68)	ADDRESS	4	DSRVOXPT	Pointer to JOX
108	(6C)	SIGNED	4	DSRVOXAL	ALET of JOX
112	(70)	ADDRESS	4	DSRVCNPT	RESERVED FOR SUBSYSTEM USE
112	(70)	X'74'	0	DSRVSIZE6	"*-DSERV" DSERV Version 6 fixed parameter length
116	(74)	ADDRESS	4		Reserved for future use
120	(78)	DBL WORD	8	DSRVTGMMK (0)	TGM token
120	(78)	ADDRESS	4	DSRVTGPT	Pointer to TGM
124	(7C)	SIGNED	4	DSRVTGAL	ALET of TGM
124	(7C)	X'80'	0	DSRVSIZE7	"*-DSERV" DSERV Version 7 fixed parameter length
128	(80)	CHARACTER	8		Reserved for future use.
136	(88)	ADDRESS	4	DSRVCATC	Pointer to CAT/GRPOBJ cache if NOT a live version and cache is requested.
136	(88)	X'8C'	0	DSRVSIZE8	"*-DSERV" DSERV Version 8 fixed parameter length
136	(88)	X'8C'	0	DSRVSIZE	"*-DSERV" DSERV Current version fixed parameter length

DSERV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSERV	0		DSRVOXAL	6C	
DSRVCATC	88		DSRVOXPT	68	
DSRVCNPT	70		DSRVQSAL	24	
DSRVCNUM	C		DSRVQSPT	20	
DSRVCVPT	8		DSRVQSTK	20	
DSRVDAAL	54		DSRVSSID	0	C4E2D9E5
DSRVDAPT	50		DSRVSVR#	6	8
DSRVDASK	50		DSRVSVRN	6	
DSRVFLG1	58		DSRVSVR1	6	1
DSRVF1LI	58	80	DSRVSVR2	6	2
DSRVF1WB	58	20	DSRVSVR3	6	3
DSRVF1WS	58	40	DSRVSVR4	6	4
DSRVHCAL	2C		DSRVSVR5	6	5
DSRVHCPT	28		DSRVSVR6	6	6
DSRVHCTK	28		DSRVSVR7	6	7
DSRVJNAL	3C		DSRVSVR8	6	8
DSRVJNPT	38		DSRVSIZE	88	8C
DSRVJNTK	38		DSRVSIZE1	30	38
DSRVJOAL	14		DSRVSIZE2	3C	40
DSRVJOPT	10		DSRVSIZE3	54	58
DSRVJOTK	10		DSRVSIZE4	5A	60
DSRVJOXK	68		DSRVSIZE5	64	68
DSRVJQAL	1C		DSRVSIZE6	70	74
DSRVJQPT	18		DSRVSIZE7	7C	80
DSRVJQTK	18		DSRVSIZE8	88	8C
DSRVJQXK	40		DSRVTGAL	7C	
DSRVJTAL	4C		DSRVTGMMK	78	
DSRVJTPT	48		DSRVTGPT	78	
DSRVJTTK	48		DSRVTIME	30	
DSRVJXAL	44		DSRVUSER	6	8
DSRVJXPT	40		DSRVWQSK	60	
DSRVJ2LV	59		DSRVWQSL	64	
DSRVLEN	4		DSRVWQST	60	

DSNT Information

DSNT Heading Information

Common Name: Data Set Name Table
Macro ID: IEFDSNT
DSECT Name: DSNTABLE
Owning Component: Converter/interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236 or 237
 Key: 1
Size: Variable to 176 bytes
Created by: Interpreter
Pointed to by: SCTADSTB field of the SCT data area
Serialization: None
Function: The DSNT contains the volume reference data set names for a jobstep.

DSNT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	176	DSNTABLE	DSN TABLE Y02668
0	(0)	CHARACTER	3	DSNTSVA	SVA OF THIS RECORD Y02668
3	(3)	CHARACTER	1	DSNTID	TABLE ID Y02668
4	(4)	CHARACTER	3	DSNTNSVA	SVA OF NEXT RECORD Y02668
7	(7)	CHARACTER	1	*	RESERVED Y02668
8	(8)	CHARACTER	168	DSNENTRY	DATA SET NAMES Y02668

DSNT Constants

Len	Type	Value		Name	Description
1	HEX	07		DSNTTID	TABLE ID X'07' Y02668
4	DECIMAL		168	DSNTBLN	LENGTH OF DSNAME Y02668
4	DECIMAL		176	DSNTLN	LENGTH OF DSN TABLE Y02668

DSNT Constants

DSPD Information

DSPD Heading Information

Common Name: DAE PREDUMP/POSTDUMP PARAMETER LIST
Macro ID: ADYDSPD
DSECT Name: DSPD
Owning Component: DAE (SC143)
Eye-Catcher ID: DSP
 Offset: 0
 Length: 3
Storage Attributes: Key: 0
 Residency: ABOVE 16M
Size: 106 BYTES
Created by: IEAVTSDI
 IEAVTSYS, (FOR SYSMDUMP) VIA GETMAIN
Pointed to by: SDDDSPD
Serialization: NOT REQUIRED.
Function: COMMUNICATION BETWEEN SDUMP AND DAE DURING
 PREDUMP PROCESSING, AND BETWEEN DAE PREDUMP AND DAE
 POST DUMP PROCESSING.

DSPD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSPD	PRE-DUMP PARAMETER LIST
0	(0)	CHARACTER	4	DSPID (0)	MACRO ID
0	(0)	CHARACTER	3	DSPDSP	ACRONYM='DSP'
3	(3)	CHARACTER	1	DSPVSN	VERSION NUMBER
4	(4)	SIGNED	4	DSPSDWA	PTR-SDWA OR ZERO
8	(8)	SIGNED	4	DSPABDP	PTR-SYMTOMS FROM SYSMDUMP UNUSED FOR SVCDUMP
12	(C)	SIGNED	4	DSPHDR	POINTER TO DUMP HEADER RECORD
16	(10)	SIGNED	4	DSPEXTRC	RETURN CODE FROM ADYEXT
20	(14)	CHARACTER	10	DSPERID (0)	ERROR-ID FROM CURRENT PROBLEM
20	(14)	CHARACTER	2	DSPESEQ#	SEQUENCE NUMBER
22	(16)	CHARACTER	2	DSPECPU1	LOGICAL CPUID
24	(18)	CHARACTER	2	DSPEERAS	ASID FOR ERROR MEMORY
26	(1A)	CHARACTER	4	DSPEERTM	TIME STAMP AT TIME OF ERROR
30	(1E)	SIGNED	2	DSPSCNT	COUNT OF SYMPTOMS
32	(20)	SIGNED	2	DSPSLN	LENGTH OF SYMPTOM STRING INCLUDING A TRAILING BLANK
34	(22)	CHARACTER	20	DSPPSVD1	RESERVED FOR DAE USE
54	(36)	CHARACTER	20	DSPPSVD2	RESERVED FOR SDUMPS USE
74	(4A)	BITSTRING	2	DSPFLG1	FLAGS SET BY SVC DUMP
		1...		DSPSVC	"BIT0" SVC DUMP BEING PROCESSED
		.1.		DSPSYSM	"BIT1" SYSMDUMP DUMP BEING PROCESSED
		..1.		DSPSDS	"BIT2" SDUMP FAILED TO TAKE COMPLETE DUMP. DID TAKE A PARTIAL
		...1		DSPTERM	"BIT3" SDUMP FAILED TO TAKE ANY DUMP SO THE DATASET IS STILL EMPTY
		.... 1...		DSPSDMPH	"BIT4" SDUMP has updated its header information
76	(4C)	BITSTRING	2	DSPFLG2	FLAGS SET BY DAE
		1...		DSPNOAVL	"BIT0" 1=ADD ENTRY TO SYMPTOM QUEUE ALL QUEUE AREAS ARE EXHAUSTED
78	(4E)	CHARACTER	8	DSPSTAT	STATUS BITS FOR DAE TO BE COPIED INTO AMDDATA FIELD S05STAT. MAPPED BY ADYDSTAT
Comment					
DS CL2 RESERVED					
End of Comment					
88	(58)	SIGNED	4	DSPSYMP	POINTER TO A SYMPTOM RECORD SUPPLIED AS INPUT TO SDUMP.
92	(5C)	CHARACTER	14		RESERVED

DSPD Cross Reference

DSPD Cross Reference

Name	Hex Offset	Hex Value
DSPABDP	8	
DSPD	0	
DSPDSP	0	
DSPECUI	16	
DSPEERAS	18	
DSPEERTM	1A	
DSPERID	14	
DSPESEQ#	14	
DSPEXTRC	10	
DSPFLG1	4A	
DSPFLG2	4C	
DSPHDR	C	
DSPID	0	
DSPNOAVL	4C	80
DSPPSVD1	22	
DSPPSVD2	36	
DSPSCNT	1E	
DSPSDMPH	4A	8
DSPSDS	4A	20
DSPSDWA	4	
DSPSLN	20	
DSPSTAT	4E	
DSPSVC	4A	80
DSPSYMP	58	
DSPSYSM	4A	40
DSPTERM	4A	10
DSPVSN	3	

DSTAT Information

DSTAT Programming Interface information

Programming Interface information

DSTAT

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

- DSTSEXT2

End of Programming Interface information

DSTAT Heading Information • DSTAT Map

DSTAT Heading Information

Common Name: DAE Action Status
Macro ID: ADYDSTAT
DSECT Name: DSTAT
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: NONE
Storage Attributes:
 Subpool: User Supplied
 Key: User Supplied
 Residency: User Supplied ALLOCATION METHOD: User Supplied
Size: 8
Created by: N/A
Pointed to by: N/A
Serialization: NONE
Function: Map the dump status fields in the:
 - DAE control block DSPD - DPSTAT
 - SDWA - SDWADAE
 - Dump header record - DAESTAT

DSTAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSTAT	, DUMP STATUS
0	(0)	CHARACTER	4	DSTDUMP (0)	REASONS FOR TAKING THE DUMP
0	(0)	CHARACTER	2	DSTDUMPM (0)	REASONS FOR TAKING THE DUMP THAT HAVE NO EFFECT ON MATCHING
0	(0)	BITSTRING	1	DSTDMPM1	FIRST BYTE OF FLAGS THAT HAVE NO EFFECT ON MATCHING
		1... ..		DSTUNIQ	"BIT0" NO MATCHING SYMPTOM STRING WAS FOUND ON THE QUEUE.
		.1.		DSTSLNOS	"BIT1" THE SLIP ACTION=NOSUP
		..1.		DSTSLIPD	"BIT2" THE DUMP WAS REQUESTED BY SLIP WITH ACTION=SVCDUMP OR TRDUMP
		...1		DSTNOS	"BIT3" DAE IS NOT SUPPRESSING THIS TYPE OF DUMP
		.... 1...		DSTERPRE	"BIT4" AN ERROR OCCURRED DURING PRE-DUMP PROCESSING
		.... .1..		DSTPSUP	"BIT5" PREVENT SUPPRESSION FLAG IN THE ABSENSE OF VRANODAE AND SUPPRESSALL DAE OPTION
		.... ..1.		DSTNOSUP	"BIT6" RECOVERY ROUTINE INDICATED NOT TO ALLOW SUPPRESSION
		.... ...1		DSTTKDMP	"BIT7" THE INSTALLATION EXPLICITLY REQUESTED THAT THIS DUMP BE TAKEN
1	(1)	BITSTRING	1	DSTDMPM2	SECOND BYTE OF FLAGS THAT HAVE NO EFFECT ON MATCHING
		1... ..		DSTDAEN	"BIT0" THIS SYMPTOM RECORD IS NOT TO BE USED FOR DUMP SUPPRESSION
		.1.		DST06F	"BIT1" This dump was not suppressed because the system allows all dumps with ABEND Code 06F (Which come from SLIP ACTION= RECOVERY).
		..1.		DSTPARTL	"BIT2" This dump was not suppressed because it was partial
2	(2)	CHARACTER	2	DSTDUMPN (0)	REASONS FOR TAKING THE DUMP WHERE NO MATCHING WILL BE DONE
2	(2)	BITSTRING	1	DSTDMPN1	FIRST BYTE OF FLAGS CONTAINING REASONS FOR TAKING THE DUMP WHERE NO MATCHING WILL BE DONE
		1... ..		DSTNSYMP	"BIT0" NO DATA WAS AVAILABLE TO EXTRACT SYMPTOMS FROM
		.1.		DSTEREXT	"BIT1" THE EXTRACT ROUTINE ADYEXT FAILED
		..1.		DSTNODAE	"BIT2" PREDUMP COULD NOT ACCESS THE SYMPTOM QUEUE BECAUSE DAE WAS NOT ACTIVE
		...1		DSTNOREQ	"BIT3" ALL REQUIRED SYMPTOMS WERE NOT FOUND
		.... 1...		DSTNOMAT	"BIT4" MATCHING NOT REQUESTED
		.... .1..		DSTNOSLN	"BIT5" THE LENGTH OF THE MVS SYMPTOM STRING IS LESS THAN THE MINIMUM REQUIRED LENGTH
		.... ..1.		DSTNOSCT	"BIT6" THE COUNT OF SYMPTOMS FOUND IS LESS THAN THE MINIMUM COUNT REQUIRED
		.... ...1		DSTTRREQ	"BIT7" THE TRUNCATION OF THE SYMPTOM STRING CAUSED A REQUIRED SYMPTOM TO BE TRUNCATED
3	(3)	BITSTRING	1	DSTDMPN2	SECOND BYTE OF FLAGS CONTAINING REASONS FOR TAKING THE DUMP WHERE NO MATCHING WILL BE DONE
		1... ..		DSTERMCT	"BIT0" THE VRA CONTAINS A VRAMINSC KEY WHICH HAS AN INVALID AMOUNT SPECIFIED FOR THE MINIMUM NUMBE OF SYMPTOMS REQUIRED FOR UNIQUE DUMP ID.
		.1.		DSTERMLN	"BIT1" THE VRA CONTAINS A VRAMINSL KEY WHICH HAS AN INVALID SPECIFICATION FOR THE MINIMUM SYMPTOM STRING LENGTH REQUIRED FOR UNIQUE DUMP ID
		..1.		DSTERREQ	"BIT2" THE VRA CONTAINS A VRAREQ KEY WHICH HAS IN ITS LIST OF SYMPTOMS TO BE ADDED TO THE REQUIRED LIST, ONE OR MORE INVALID KEYS.
4	(4)	BITSTRING	1	DSTINFO	MISCELLANEOUS FLAGS
		1... ..		DSTSDUP	"BIT0" THE DUMP WAS SUPPRESSED BECAUSE A MATCH WAS FOUND
		.1.		DSTTRUM	"BIT1" MVS SYMPTOM STRING TRUNCATED TO 150 BYTES
		..1.		DSTDUP	"BIT2" DUPLICATE FOUND

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		DSTTRUR	"BIT3" RETAIN SYMPTOM STRING TRUNCATED TO 150 BYTES
		.... 1...		DSTHDROK	"BIT4" DAE HEADER BUILT SUCCESSFULLY
		.... .1..		DSTUSYMR	"BIT5" SYMPTOM STRINGS CREATED FROM A USER SYMPTOM RECORD.
		.... ..1.		DSTTRUS	"BIT6" USER SECONDARY SYMPTOM STRING WAS TRUNCATED
		.... ...1		DSTSCDUP	"BIT7" THE DUMP WAS SUPPRESSED BECAUSE A MATCH WAS FOUND ON THE CAPTURED DUMP QUEUE
5	(5)	CHARACTER	2	DSTSEXT (0)	ERRORS FROM SYMPTOM EXTRACTION
5	(5)	BITSTRING	1	DSTSEXT1	SYMPTOM EXTRACT FLAG BYTE ONE
		1...		DSTEROPT	"BIT0" THE VRA CONTAINS A VRAREQ KEY WHICH HAS IN ITS LIST OF SYMPTOMS TO BE ADDED TO THE OPTIONAL LIST, ONE OR MORE INVALID KEYS
6	(6)	.1..	1	DSTERSDL	"BIT1" THE SDWAURAL OR SDWAVRAL VALUE IS INVALID
		1...		DSTSEXT2	ERROR CONDITION IN ADYEXT
		.1..		DSTERMAP	"BIT0" MAPX TABLE OVERFLOW
		..1.		DSTERUDT	"BIT1" UNKNOWN DATA TYPE FLAGS IN ADYEXTD TABLE
		...1		DSTEREQO	"BIT2" DSXREQ OVERFLOW
		.... 1...		DSTEOPTO	"BIT3" DSXOPT OVERFLOW
		.... ..1.		DSTECVTO	"BIT4" CONVERSION AREA OVERFLOW
7	(7)	CHARACTER	1	DSTEDSXO	"BIT5" DSXTBLZ TABLE OVERFLOW
					RESERVED

DSTAT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSTAT	0		DSTUSYMR	4	4
DSTDAEN	1	80	DST06F	1	40
DSTDMPM1	0				
DSTDMPM2	1				
DSTDMPN1	2				
DSTDMPN2	3				
DSTDUMP	0				
DSTDUMPM	0				
DSTDUMPN	2				
DSTDUP	4	20			
DSTECVTO	6	8			
DSTEDSXO	6	4			
DSTEOPTO	6	10			
DSTEREQO	6	20			
DSTEREXT	2	40			
DSTERMAP	6	80			
DSTERMCT	3	80			
DSTERMLN	3	40			
DSTEROPT	5	80			
DSTERPRE	0	8			
DSTERREQ	3	20			
DSTERSDL	5	40			
DSTERUDT	6	40			
DSTHDROK	4	8			
DSTINFO	4				
DSTNODAE	2	20			
DSTNOMAT	2	8			
DSTNOREQ	2	10			
DSTNOS	0	10			
DSTNOSCT	2	2			
DSTNOSLN	2	4			
DSTNOSUP	0	2			
DSTNSYMP	2	80			
DSTPARTL	1	20			
DSTPSUP	0	4			
DSTSCDUP	4	1			
DSTSDUP	4	80			
DSTSEXT	5				
DSTSEXT1	5				
DSTSEXT2	6				
DSTSLIPD	0	20			
DSTSLNOS	0	40			
DSTTKDMP	0	1			
DSTTRREQ	2	1			
DSTTRUM	4	40			
DSTTRUR	4	10			
DSTTRUS	4	2			
DSTUNIQ	0	80			

DSVCB Information

DSVCB Heading Information

Common Name: DUMPING SERVICES CONTROL BLOCK
Macro ID: IHADSVCB
DSECT Name: DSVCB
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: DSV
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: One per system
 Subpool: 227
 Key: 0
 Residency: Below 16M
Size: 228 bytes (use macro variable DSVLEN)
Created by: IEAVTSDI
Pointed to by: RTCTDSV
Serialization: None
Function: IHADSVCB IS A MAPPING MACRO WHICH MAPS STORAGE USED TO CONTROL THE ACTIVITIES IN THE DUMPING SERVICES (DUMPSRV) ADDRESS SPACE. THERE ARE eight SECTIONS IN THE DSVCB.
 1. MAIN SECTION CONTAINS POINTERS TO THE OTHER SECTIONS AND A CONTROL BLOCK IDENTIFIER.
 2. COMMON SECTION CONTAINS FIELDS FOR CONTROL OF THE DUMPSRV ADDRESS SPACE.
 3. DUMP DATA SET SECTION CONTAINS VARIABLES USED IN INITIALIZING AND PROCESSING THE DUMP DATA SETS.
 4. EXIT SECTION CONTAINS VARIABLES USED IN PROCESSING POST DUMP EXITS.
 5. DAE SECTION CONTAINS INFORMATION USED TO CONTROL THE DAE TRANSACTION PROCESSOR.
 6. SDS SECTION CONTAINS INFORMATION USED TO CONTROL THE IEAVTSDS TASK IN DUMPSRV.
 7. SST section contains information used to control the Dump Index Task.
 8. TDMP section contains information used to control the TDump task in DUMPSRV.

DSVCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	DSVCB	SDUMP DUMP DATA SET QUEUE
0	(0)	CHARACTER	4	DSVID	IDENTIFIER=DSV
4	(4)	ADDRESS	4	DSVPCOMM	POINTER TO COMMON SECTION WHICH IS USED FOR DUMPSRV ADDRESS SPACE CONTROL
8	(8)	ADDRESS	4	DSVPDDS	POINTER TO DUMP DATA SET SECTION
12	(C)	ADDRESS	4	DSVPEXIT	POINTER TO THE POST DUMP EXIT SECTION
16	(10)	ADDRESS	4	DSVPDAE	POINTER TO DAE SECTION
20	(14)	ADDRESS	4	DSVPSDS	POINTER TO IEAVTSDS SECTION
24	(18)	ADDRESS	4	DSVSST@	POINTER TO IEAVTSST SECTION
28	(1C)	ADDRESS	4	DSVTDMP	Pointer to TDump task section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	DSVCOMM	DUMPSRV ADDRESS SPACE COMMON SECTION
0	(0)	CHARACTER	4	DSVCFLGS	FLAGS FOR COMMON SECTION
0	(0)	CHARACTER	1	DSVCFLG1	1ST COMMON FLAG BYTE
4	(4)	CHARACTER	4	DSVC4EVR	ECB USED BY IEAVTDSV TO PUT THE ADDRESS SPACE INTO A WAIT
8	(8)	CHARACTER	2	DSVCRETC	RETURN CODE FROM DUMPSRV CREATION
10	(A)	CHARACTER	2	DSVCRSNC	REASON CODE FROM DUMPSRV CREATION
12	(C)	CHARACTER	1	DSVCMODC	MODULE CODE INDICATING WHICH MODULE FAILED 1 - IEEMB881 2 - IEAVTSAI
13	(D)	UNSIGNED	1	DSVCASCT	COUNT OF THE NUMBER OF TIMES THE ADDRESS SPACE HAS FAILED
14	(E)	CHARACTER	2	*	Reserved (Fullword boundary)
16	(10)	UNSIGNED	4	DSVCECBS	DSV WAITS FOR SDS'S ETXR TO POST INDICATING TERMINATION CAN CONTINUE
20	(14)	UNSIGNED	4	DSVCDOMID	DOM ID for msg IEA046E

DSVCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	44	DSVDMPDS	DUMP DATA SET SECTION
0	(0)	CHARACTER	4	DSVDFLGS	FLAGS FOR DUMP DATA SET SECTION
0	(0)	CHARACTER	1	DSVDFLG1	FIRST DUMP DATA SET FLAG BYTE
		1...		DSVDQDAM	SVC DUMP DATA SET QUEUE IS DAMAGED. THE INITIALIZATION OF THE SDDSQ OR THE MODIFICATION OF THE SDDSQ BY THE DUMPDS COMMAND FAILED AND LEFT THE SDDSQ IN A DAMAGED STATE. NO FURTHER DUMPDS COMMANDS ARE ALLOWED.
		.1..		DSVDDSOX	0 - THE IE ECB926 TASK IS NOT IN A STATE WHICH WOULD ALLOW THE DUMPDS COMMAND (IE ECB923) TO POST IT. 1 - THE IE ECB926 IS READY AND WAITING FOR IE ECB923 TO POST IT.
		..1.		DSVDTTRM	0 - ON RESTART THE IE ECB926 TASK MUST REALLOCATE ALL DUMP DATASETS. 1 - ON RESTART THE IE ECB926 TASK DOESN'T HAVE TO REALLOCATE THE DUMP DATA SETS BECAUSE THE DUMPSRV A.S HAS NOT TERMINATED.
		...1		DSVD923W	IE ECB923 IS WAITING TO BE POSTED BY CB926 OR IE AVTSDR
		.... 1...		DSVDINOK	1 - IE ECB926 HAS SUCCESSFULLY COMPLETED INITIALIZATION OF THE SDDSQ
4	(4)	CHARACTER	4	DSVDECB1	ECB WAITED ON BY IE ECB926 AND POSTED BY IE ECB923.
8	(8)	CHARACTER	4	DSVDECB2	ECB WAITED ON BY IE ECB923 AND POSTED BY IE ECB926.
12	(C)	ADDRESS	4	DSVDDSPA	POINTER TO THE DUMPDS PARAMETER AREA DSPA, BUILT BY IE ECB923
16	(10)	ADDRESS	4	DSVDCPID	CELL POOL ID USED TO IDENTIFY THE STORAGE POOL CONTAINING THE SDDSQ ENTRIES.
20	(14)	SIGNED	2	DSVDLPCT	LOOP COUNT OF THE NUMBER OF TIMES THE IE ECB926 TASK TERMINATES WITHOUT SUCCESSFULLY PROCESSING A DUMPDS COMMAND
22	(16)	SIGNED	2	DSVS1TCT	Count of number of times the IE AVTS1T task terminates without successfully processing a remote SDUMP
24	(18)	ADDRESS	4	*	Reserved
28	(1C)	ADDRESS	4	DSVDTCBA	ADDRESS OF THE IE ECB926 TASK
32	(20)	ADDRESS	4	DSVSBS@	Address of IE AVTSBS
36	(24)	ADDRESS	4	DSVS1TT@	TCB address of IE AVTS1T
40	(28)	ADDRESS	4	DSVJSTCB	IE AVTDSV - DUMPSRV Job Step task
44	(2C)	CHARACTER	0	*	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	DSVEXPRC	POST DUMP EXIT SECTION
0	(0)	CHARACTER	4	DSVEFLGS	FLAGS FOR EXIT SECTION
0	(0)	CHARACTER	1	DSVEFLG1	FIRST EXIT FLAG BYTE
4	(4)	CHARACTER	4	DSVEECBE	ECB WHICH IS POSTED BY THE SVC DUMP CLEANUP MODULE (IE AVTSDC) WHEN POST DUMP EXIT PROCESSING IS TO BE INITIATED.
		1...		DSVEWAIT	1=IE AVTDSV IS WAITING FOR WORK
8	(8)	ADDRESS	4	DSVEANCH	ANCHOR POINTER FOR A CHAIN OF DSPD RECORDS WHICH ARE TO BE RUN THROUGH POST DUMP EXIT PROCESSING. ELEMENTS ARE ADDED TO THE CHAIN IN IE AVTSDC AND REMOVED FROM THE CHAIN IN IE AVTDSV.
12	(C)	ADDRESS	4	DSVEXCNT	COUNT OF THE NUMBER OF POST DUMP EXITS IN THE EXIT LIST POINTED TO BY DSVEXITS
16	(10)	ADDRESS	4	DSVEXITS	POINTER TO THE LIST OF ENTRY POINTS OF THE POST DUMP EXITS.
20	(14)	UNSIGNED	4	DSVSEPT	Count of IE AVTSEP tasks

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DSVEXITL	POST DUMP EXIT LIST WHICH CONTAINS THE LIST OF ENTRY POINTS FOR THE POST DUMP EXITS. THIS TABLE IS BUILT WHEN THE DUMPSRV ADDRESS SPACE IS CREATED.
0	(0)	CHARACTER	16	DSVEXTBL (*)	POST DUMP EXIT TABLE
0	(0)	CHARACTER	8	DSVENAME	EBCDIC EXIT NAME TO BE USED BY RECOVERY TO RECORD THE CSECT IN ERROR
8	(8)	ADDRESS	4	DSVEXADR	LOAD ADDRESS OF EXIT IN THE DUMPSRV ADDRESS SPACE.
12	(C)	CHARACTER	4	DSVEXFLG	FULL WORD OF FLAGS ASSOCIATED WITH THE PARTICULAR EXIT ENTRY.
		1...		DSVEXALL	THIS EXIT IS TO RECEIVE CONTROL IN ALL CIRCUMSTANCES. THIS INCLUDES POST DUMP EXIT PROCESSING FOR DUMPS WHICH WERE TAKEN AS WELL AS SUPPRESSED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	DSVDAE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	4	DSVAFLGS	FLAGS FOR DAE SECTION
0	(0)	CHARACTER	1	DSVAFLG1	FIRST DAE FLAG BYTE
4	(4)	SIGNED	2	DSVALPCT	COUNT OF ADYTRNS TASK TERMINATIONS
6	(6)	SIGNED	2	*	RESERVED
8	(8)	ADDRESS	4	DSVATCBA	ADDRESS OF THE ADYTRNS TASK
12	(C)	ADDRESS	4	*	RESERVED
16	(10)	ADDRESS	4	*	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	DSVSDS	
0	(0)	SIGNED	2	DSVSLPCT	LOOP COUNT OF THE NUMBER OF TIMES THE IEAVTSDS TASK TERMINATES WITHOUT SUCCESSFULLY PROCESSING A DUMP COMMAND
2	(2)	CHARACTER	1	DSVSFLGS	IEAVTSDS Flag byte
		1...		DSVSABLE	IEAVTSDS is able to process dump
		.1..		DSVSFLB1	Reserved
		..1.		DSVSFLB2	Reserved
		...1		DSVSFLB3	Reserved
		.... 1..		DSVSFLB4	Reserved
		.... .1..		DSVSFLB5	Reserved
		.... ..1.		DSVSFLB6	Reserved
		.... ...1		DSVSFLB7	Reserved
3	(3)	UNSIGNED	1	*	RESERVED
4	(4)	ADDRESS	4	DSVSTCBA	ADDRESS OF THE IEAVTSDS TASK
8	(8)	ADDRESS	4	DSVSTCBF	ADDRESS OF SDS TASK FOR ETXR TO CHECK SINCE SDS ZEROES DSVSTCBA BEFORE PERCOLATING
12	(C)	CHARACTER	16	DSVSTTOK	TOKEN OF THE SDS TASK
28	(1C)	ADDRESS	4	*	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	DSVSST	Dump index section
0	(0)	BITSTRING	2	DSVSSTFLAG	Flag bytes
2	(2)	SIGNED	2	DSVSSTCOUNT	Count of number of times the IEAVTSST task terminates without successfully processing an ADDDUMP request
4	(4)	ADDRESS	4	DSVSSTTCB@	TCB address of IEAVTSST
8	(8)	UNSIGNED	4	DSVSSTECB	ECB which is posted by IEAVTSSI when dump index processing is to be initiated
		1...		DSVSSTWAIT	IEAVTSST is waiting for work
12	(C)	UNSIGNED	4	DSVSSTQUEUE@	Queue header for chain of dump index request control blocks which are to be processed
16	(10)	UNSIGNED	4	DSVSSTDOMID	Dom ID for msg IEA651E
20	(14)	CHARACTER	12	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	DSVTDM	TDump section
0	(0)	BITSTRING	1	DSVTDMFLAG	Flag byte
		1...		DSVTACTN	Issue the action message
		.1..		DSVTDUMP	Take Tdump
		..11 1111		*	Reserved
1	(1)	UNSIGNED	1	*	Reserved
2	(2)	SIGNED	2	DSVTDMCOUNT	Count of number of times the IEAVTTDM task terminates without successfully processing a TDump request by Sdump
4	(4)	ADDRESS	4	DSVTDMTCB@	Address of the TDump task
8	(8)	UNSIGNED	4	DSVTDMECB	ECB which is posted by SDXPOSTT to take a Tdump
8	(8)	UNSIGNED	4	DSVTDMDOMID	Dom ID for msg IEA044E
12	(C)	CHARACTER	8	*	Reserved

DSVCB Cross Reference

DSVCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSVAFLGS	0		DSVSSTWAIT	8	80
DSVAFLG1	0		DSVSTCBA	4	
DSVALPCT	4		DSVSTCBF	8	
DSVATCBA	8		DSVSTTOK	C	
DSVCASCT	D		DSVS1TCT	16	
DSVCB	0		DSVS1TT@	24	
DSVCDOMID	14		DSVTACTN	0	80
DSVCECBS	10		DSVTDM	0	
DSVCFLGS	0		DSVTDMCOUNT	2	
DSVCFLG1	0		DSVTDMDOMID	8	
DSVCMODC	C		DSVTDMECB	8	
DSVCOMM	0		DSVTDMFLAG	0	
DSVCRETC	8		DSVTDMPL	1C	
DSVCRSNC	A		DSVTDMTCB@	4	
DSVC4EVR	4		DSVTDUMP	0	40
DSVDAE	0				
DSVDCPID	10				
DSVDDSOK	0	40			
DSVDDSPA	C				
DSVDECB1	4				
DSVDECB2	8				
DSVDFLGS	0				
DSVDFLG1	0				
DSVDINOK	0	08			
DSVDLPCT	14				
DSVDMPDS	0				
DSVDQDAM	0	80			
DSVDTCBA	1C				
DSVDTTRM	0	20			
DSVD923W	0	10			
DSVEANCH	8				
DSVEECBE	4				
DSVEFLGS	0				
DSVEFLG1	0				
DSVENAME	0				
DSVEWAIT	4	80			
DSVEXADR	8				
DSVEXALL	C	80			
DSVEXCNT	C				
DSVEXFLG	C				
DSVEXITL	0				
DSVEXITS	10				
DSVEXPRC	0				
DSVEXTBL	0				
DSVID	0				
DSVJSTCB	28				
DSVPCOMM	4				
DSVPDAE	10				
DSVPDDS	8				
DSVPEXIT	C				
DSVPSDS	14				
DSVSABLE	2	80			
DSVSBS@	20				
DSVSDS	0				
DSVSEPCT	14				
DSVSFLB1	2	40			
DSVSFLB2	2	20			
DSVSFLB3	2	10			
DSVSFLB4	2	08			
DSVSFLB5	2	04			
DSVSFLB6	2	02			
DSVSFLB7	2	01			
DSVSFLGS	2				
DSVSLPCT	0				
DSVSST	0				
DSVSST@	18				
DSVSSTCOUNT	2				
DSVSSTDOMID	10				
DSVSSTECB	8				
DSVSSTFLAG	0				
DSVSSTQUEUE@	C				
DSVSSTTCB@	4				

EAECB Information

EAECB Programming Interface Information

Programming Interface Information

EAECB

End of Programming Interface Information

EAECB Heading Information • EAECB Map

EAECB Heading Information

Common Name: System Address Space Initialization Communication ECBs
Macro ID: IEZEAECB
DSECT Name: EAECB
Owning Component: System command - SVC 34 (SC1B8)
Storage Attributes: Subpool: 245
Key: 0
Size: 8 bytes
Created by: IEEMB881
Pointed to by: Register 2 upon exit from IEEMB881
Serialization: None
Function: Contains the two ECBs needed for communication between the caller of IEEMB881 and the system address space initialization routine and between IEEVWAIT and IEEMB883.

EAECB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EAECB	- COMMUNICATION ECBS
0	(0)	ADDRESS	4	EAERIMWT (0)	- ECB FOR NIP RIM TO WAIT ON
0	(0)	BITSTRING	1		-
1	(1)	BITSTRING	3	EAERIMPC	- POST CODE FOR EAERIMWT
4	(4)	ADDRESS	4	EAEASWT (0)	- ECB FOR INITIALIZATION ROUTINE TO WAIT ON
4	(4)	BITSTRING	1		-
5	(5)	BITSTRING	3	EAEASPC	- POST CODE FOR EAEASWT
5	(5)	X'8'	0	EAEALST	*** END OF IEZEAECB

ECB Information

ECB Programming Interface information

Programming Interface information

ECB

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

- ECBEVTB
- ECBRB

End of Programming Interface information

ECB Heading Information • ECB Map

ECB Heading Information

Common Name: Event Control Block
Macro ID: IHAECB
DSECT Name: ECB, ECBE
Owning Component: Task Manager (SC1CL)
Eye-Catcher ID: None
Storage Attributes: Subpool: User defined
 Key: User defined
 Residency: User defined
Size: 4 bytes
Created by: User
Pointed to by: Resides in the user's area
 ASCBQECB field of the ASCB data area (QUIESCE ECB)
 CHEBP field of the CSCB data area (STOP/MODIFY ECB)
 EVNTENTP field of the EVNT data area (completed ECB)
 IOBECBPT field of the IOB data area (associated ECB)
 QELECB field of the QEL data area (associated ECB)
 SSALCNCL field of the SSOB (allocation) data area (CANCEL ECB)
 SRRRSECB field of the SSOB (req/ret) data area (STOP ECB)
 TCASXECB field of the TCAST data area (emergency RELEASE ECB)
 TCASMECB field of the TCAST data area (STOP/MODIFY ECB)
 TCASTECB field of the TCAST data area (terminate TSO ECB)
 TCBECB field of the TCBECB data area (associated ECB)
 TSBXECB field of the TSBX data area (cross memory reconnect ECB)
 TVCSECB field of the TVCS data area (cross memory POST ECB)
 TVWAECEB field of the TVWA data area (terminal control EC)
 TVWATECB field of the TVWA data area (timer ECB)
 TVWAECEB1 field of the TVWA data area (CANCEL ECB)
 TVWAECEB2 field of the TVWA data area (reconnect ECB)
 TVWAECEB3 field of the TVWA data area (timer ECB)
 TWAMECB field of the TWAR data area (main task ECB)
 TWAVECB field of the TWAR data area (VTAM interface ECB)
 TWAUECB field of the TWAR data area (user interface ECB)
 TWACECB field of the TWAR data area (console communications ECB)
Serialization: LOCAL lock, CS (compare and swap) instruction
Function: The ECB is the subject of WAIT, POST, and EVENTS macro instructions. It is used for communications among various components of the control programs as well as between problem programs and the control programs.

An ECB can be posted with a two-part completion code:

- Bits 1 through 7 are posted by data management and teleprocessing functions. This part of the completion code is described in the mapping of the ECB control block.
- Bits 8 through 31 are posted by all system components and by user-written programs. When a task is abnormally terminated, the ECB for the task is posted with an abnormal system completion code in bits 8 through 19, or with an abnormal user completion code in bits 20 through 31.

ECB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	ECB	
0	(0)	SIGNED	4	ECBRB (0)	- REQUEST BLOCK ADDRESS (WHILE AWAITING COMPLETION OF AN EVENT)
0	(0)	ADDRESS	4	ECBEVTB (0)	- ADDRESS OF EVENT TABLE (MDC300)
0	(0)	ADDRESS	4	ECBEXTB (0)	- ADDRESS OF ECB EXTENSION (OS/VS2) (MDC305)
0	(0)	CHARACTER	1	ECBCC	- COMPLETION CODE BYTE
		1...		ECBWAIT	"X'80" - WAITING FOR COMPLETION OF THE EVENT
		.1.		ECBPOST	"X'40" - THE EVENT HAS COMPLETED
		..11		ECBUNWT	"X'30" - ECB is "unwaited". (Normally used by ABTERM)
		.111 1111		ECBNORM	"X'7F" - CHANNEL PROGRAM HAS TERMINATED WITHOUT ERROR. (CSW CONTENTS USEFUL.) FOR TCAM, WORK UNIT IN WORK AREA.
		.1. ...1		ECBPERR	"X'41" - CHANNEL PROGRAM HAS TERMINATED WITH PERMANENT ERROR. (CSW STATUS BYTES USEFUL. CCW ADDRESS MAY BE USEFUL OR ZEROS.) FOR BTAM, CHANNEL PROGRAM HAS COMPLETED WITH AN I/O ERROR.
		.1. ...1.		ECBDAEA	"X'42" - CHANNEL PROGRAM HAS TERMINATED BECAUSE A DIRECT ACCESS EXTENT ADDRESS HAS BEEN VIOLATED. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)
		.1. ...11		ECBABEND	"X'43" - I/O ABEND CONDITION OCCURRED FOR ERROR TRANSIENT LOADING TASK. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM) (ICB415) XM2533

Offsets			Len	Name (Dim)	Description
Dec	Hex	Type/Value			
		.1.. .1..		ECBINCP	"X'44" - CHANNEL PROGRAM HAS BEEN INTERCEPTED BECAUSE OF PERMANENT ERROR ASSOCIATED WITH DEVICE END FOR PREVIOUS REQUEST. YOU MAY REISSUE THE INTERCEPTED REQUEST. (ACCESS METHODS EXCEPT BTAM AND TCAM)
		.1.. 1...		ECBREPRG	"X'48" - REQUEST ELEMENT FOR CHANNEL PROGRAM HAS BEEN MADE AVAILABLE AFTER IT HAS BEEN PURGED. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS OTHER THAN BTAM)
		.1.. 1... .1.. 1.11		ECBEHALT ECBERPAB	"X'48" - ENABLE COMMAND HALTED, OR I/O OPERATION PURGED. (BTAM) "X'4B" - ONE OF THE FOLLOWING ERRORS OCCURRED DURING TAPE ERROR RECOVERY PROCESSING - (1) THE CSW COMMAND ADDRESS IN THE JOB WAS ZEROS OR (2) AN UNEXPECTED LOAD POINT WAS ENCOUNTERED. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM) ICB266
		.1.. 1111		ECBERPER	"X'4F" - ERROR RECOVERY ROUTINES HAVE BEEN ENTERED BECAUSE OF DIRECT ACCESS ERROR BUT ARE UNABLE TO READ HOME ADDRESS OR RECORD 0. (CSW CONTENTS DO NOT APPLY.) (ACCESS METHODS EXCEPT BTAM AND TCAM)
		.111		ECBSETEO	"X'70" - THE SETEOF MACRO WAS ISSUED IN THE MESSAGE COMMAND PROGRAM (NO WORK UNIT IN WORK AREA) (TCAM)
		.1.1 11..		ECBDMQDS	"X'5C" - CONGESTED DESTINATION MESSAGE QUEUE DATA SET (WRITE ONLY) (TCAM)
		.1.1 1... .1.1 .1.. .1.1 ..1. .1.1		ECBSEQER ECBINVMD ECBWKQVR ECBNOMSG	"X'58" - SEQUENCE ERROR (TCAM) "X'54" - INVALID MESSAGE DESTINATION (TCAM) "X'52" - WORK AREA OVERFLOW (TCAM) "X'50" - MESSAGE WAS NOT FOUND WHEN READ MACRO WAS ISSUED IN CONJUNCTION WITH POINT MACRO TO RETRIEVE A MESSAGE (TCAM)
		.1.. .... .... ..1. .... ...1		ECBDTRAQ ECBEOQ ECBRAQMT	"X'40" - DATA IS ON READ-AHEAD QUEUE (TCAM) "X'02" - END-OF-QUEUE CONDITION (NOT END-OF-FILE) (TCAM) "X'01" - READ-AHEAD QUEUE EMPTY, BUT DESTINATION QUEUE NOT EMPTY (TCAM)
1	(1)	ADDRESS	3	ECBRBA (0)	- REQUEST BLOCK ADDRESS (WHILE AWAITING COMPLETION OF AN EVENT)
1	(1)	ADDRESS	3	ECBEVTBA (0)	- ADDRESS OF EVENT TABLE (MDC302)
1	(1)	ADDRESS	3	ECBEXTBA (0)	- ADDRESS OF ECB EXTENSION (OS/VS2) (MDC306)
1	(1)	CHARACTER	3	ECBCCCNT (0)	- ZEROES OR REMAINDER OF COMPLETION CODE (AFTER COMPLETION OF THE EVENT)
1	(1)	CHARACTER	2		- FIRST TWO BYTES OF ECBEVTBA
3	(3)	BITSTRING	1	ECBBYTE3	- THIRD BYTE OF ECBEVTBA (MDC303)
		.... ..11.... ...1		ECBEXTND ECBEVNT	"X'03" - ECB EXTENSION EXISTS (OS/VS2) (MDC307) "X'01" - EXTENDED FORMAT ECB (MDC304)

Offsets			Len	Name (Dim)	Description
Dec	Hex	Type/Value			
0	(0)	STRUCTURE	0	ECBE	- ECB EXTENSION (OS/VS2) (MDC308)
0	(0)	SIGNED	4	ECBEDESC (0)	- DESCRIPTOR WORD (MDC309)
0	(0)	BITSTRING	1	ECBEVAL	- FUNCTION CODE (MDC310)
		.... ..1		ECBEEXIT	"X'01" - EXIT ROUTINE REQUEST (MDC311)
1	(1)	CHARACTER	1	ECBEFLG1	- FLAG BYTE
		1...		ECBEMODE	"X'80" ADDRESSING MODE OF EXIT -- 1 => 31-BIT MODE, 0 => 24
2	(2)	CHARACTER	1	ECBERES2	- RESERVED (MDC313)
3	(3)	CHARACTER	1	ECBERES3	- RESERVED (MDC314)
4	(4)	ADDRESS	4	ECBEPIND (0)	- POST INPUT DATA (MDC315)
4	(4)	ADDRESS	4	ECBEEXAD	- POST EXIT ADDRESS
4	(4)	X'8'	0	ECBEEND	"" - END OF ECB EXTENSION (MDC316)

ECB Cross Reference

ECB Cross Reference

Name	Hex Offset	Hex Value
ECB	0	
ECBABEND	0	43
ECBBYTE3	3	
ECBCC	0	
ECBCCCNT	1	
ECBDAEA	0	42
ECBDMQDS	0	5C
ECBDTRAQ	0	40
ECBE	0	
ECBEDESC	0	
ECBEEND	4	8
ECBEEXAD	4	
ECBEEXIT	0	1
ECBEFLG1	1	
ECBEHALT	0	48
ECBEMODE	1	80
ECBEOQ	0	2
ECBEPIND	4	
ECBERES2	2	
ECBERES3	3	
ECBERPAB	0	4B
ECBERPER	0	4F
ECBEVAL	0	
ECBEVNT	3	1
ECBEVTB	0	
ECBEVTBA	1	
ECBEXTB	0	
ECBEXTBA	1	
ECBEXTND	3	3
ECBINCPPT	0	44
ECBINVMD	0	54
ECBNOMSG	0	50
ECBNORM	0	7F
ECBPERR	0	41
ECBPOST	0	40
ECBRAQMT	0	1
ECBRB	0	
ECBRBA	1	
ECBREPRG	0	48
ECBSEQER	0	58
ECBSETEO	0	70
ECBUNWT	0	30
ECBWAIT	0	80
ECBWKOVR	0	52

ECVT Information

ECVT Programming Interface information

Programming Interface information

ECVT

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

- ECVT_CMS_LockInst_Addr
- ECVT_ENQDEQ_CMS_LockInst_Addr
- ECVT_Installed_CPU_At_IPL
- ECVT_INSTALLED_CPU_HWM
- ECVT_LATCH_CMS_LockInst_Addr
- ECVT_max_CPUMaskSizeInBits
- ECVT_max_CPUMaskSizeInBytes
- ECVT_max_highestCPUID
- ECVT_SMF_CMS_LockInst_Addr
- ECVT_zOSR11_CPUMaskSizeInBits
- ECVT_zOSR11_CPUMaskSizeInBytes
- ECVT_zOSR11_highestCPUID
- ECVT_zOSV2R1_CPUMaskSizeInBits
- ECVT_zOSV2R1_CPUMaskSizeInBytes
- ECVT_zOSV2R1_highestCPUID
- ECVTAPPC
- ECVTAppFlags
- ECVTCACHELINESIZE
- ECVTCACHELINESTARTBDY
- ECVTCLNU
- ECVTCLON
- ECVTCRDT
- ECVTCSM
- ECVTCTBL
- ECVTDLPF
- ECVTDLPL
- ECVTDPQH
- ECVTFACL
- ECVTFLG1
- ECVTGMOD
- ECVTHDNM
- ECVTIPA
- ECVTLogicalToPhysicalMask
- ECVTLPNM
- ECVTLSEN
- ECVTMaxMPNumBytesInMask
- ECVTOCVT
- ECVTOEXT
- ECVTOMVS
- ECVTPDVL
- ECVTPhysicalToLogicalMask
- ECVTPIDN
- ECVTPMOD
- ECVTPNAM
- ECVTPOWN
- ECVTPREL
- ECVTPSEQ
- ECVTPVER
- ECVTSLID
- ECVTSPLX
- ECVTSRBJ
- ECVTSRBL
- ECVTSYMT
- ECVTTCP
- ECVTMNM
- ECVTVSER
- ECVTXTSW

End of Programming Interface information

ECVT Heading Information • ECVT Map

ECVT Heading Information

Common Name: Extended Communications Vector Table
Macro ID: IHAECVT
DSECT Name: ECVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: ECVT
 Offset: 0
 Length: 4
Storage Attributes: Residency: EXTENDED NUCLEUS, Above 16M line
Size: Offset of ECVTEND minus the offset of ECVT
Created by: IEAVECVT
Pointed to by: CVTECVT
Serialization: Dependent on the specific field (see field descriptions)
Function: The ECVT is a logical extension of the CVT.

ECVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ECVT	
0	(0)	CHARACTER	4	ECVTECVT	ECVT ACRONYM
4	(4)	ADDRESS	4	ECVTCPLX	- ADDRESS OF IXCCPLX CONTROL BLOCK. OWNERSHIP: XCF. SERIALIZATION: N/A.
8	(8)	CHARACTER	8	ECVTSPLX	- SYSPLEX NAME USED FOR DEBUGGING. OWNERSHIP: XCF. SERIALIZATION: N/A.
16	(10)	SIGNED	4	ECVTSPLE	- SYSPLEX PARTITIONING ECB THAT IS POSTED TO WAKE UP THE SYSPLEX PARTITIONING MANAGER. OWNERSHIP: XCF. SERIALIZATION: SYSPLEX PARTITIONING TASK.
20	(14)	ADDRESS	4	ECVTSPLQ	- SYSPLEX PARTITIONING QUEUE. CONTAINS SYSPLEX PARTITIONING WORK ELEMENTS. OWNERSHIP: XCF. SERIALIZATION: COMPARE AND SWAP.
24	(18)	ADDRESS	4	ECVTSTC1	"V(IEATSTC1)" - STCKSYNC, NON-AR MODE, NO ETRID REQUESTED. OWNERSHIP: TIMER. SERIALIZATION: NONE.
28	(1C)	ADDRESS	4	ECVTSTC2	"V(IEATSTC2)" - STCKSYNC, NON-AR MODE, ETRID REQUESTED. OWNERSHIP: TIMER. SERIALIZATION: NONE.
32	(20)	ADDRESS	4	ECVTSTC3	"V(IEATSTC3)" - STCKSYNC, AR MODE, NO ETRID REQUESTED. OWNERSHIP: TIMER. SERIALIZATION: NONE.
36	(24)	ADDRESS	4	ECVTSTC4	"V(IEATSTC4)" - STCKSYNC, AR MODE, ETRID REQUESTED. OWNERSHIP: TIMER. SERIALIZATION: NONE.
40	(28)	ADDRESS	4	ECVTAPPC	- ANCHOR FOR APPC DATA STRUCTURES OWNERSHIP: MVS/APPC SERIALIZATION: NONE
44	(2C)	ADDRESS	4	ECVTSCH	- ANCHOR FOR APPC SCHEDULER DATA STRUCTURES OWNERSHIP: MVS/APPC SERIALIZATION: NONE
48	(30)	BITSTRING	4	ECVTIOSF (0)	IOS FLAGS OWNERSHIP: IOS
48	(30)	BITSTRING	1	ECVTIOS1	- IOS FLAGS BYTE 1 SERIALIZATION: NONE
		1... ..		ECVTCHSC	"X'80" - RESERVED FOR IBM USE
49	(31)	BITSTRING	1	ECVTIOS2	- RESERVED.
50	(32)	BITSTRING	1	ECVTIOS3	- RESERVED.
51	(33)	BITSTRING	1	ECVTIOS4	- RESERVED.
52	(34)	ADDRESS	4	ECVTOMDA	- ADDRESS OF THE OPERATIONS MEASUREMENT DATA GATHERER IEAVG708. OWNERSHIP: CONSOLE SERVICES. SERIALIZATION: NONE.
56	(38)	BITSTRING	2	ECVTR038	- RESERVED.
58	(3A)	BITSTRING	1	ECVTCNZ	- Ownership: Consoles Serialization: CS
		1... ..		ECVTWTOV	"X'80" - Allow Verbose messages
59	(3B)	BITSTRING	1	ECVTALOC	- Ownership: Allocation Serialization: None (Set during NIP)
		1... ..		ECVTWARN	"X'80" - Warn about allocations that specify 2-digit expiration years
		.1... ..		ECVTFAIL	"X'40" - Fail allocations that specify 2-digit expiration years
60	(3C)	ADDRESS	4	ECVTBPMS	- BELOW 16M, PAGEABLE DEVICE SUPPORT MODULES, STARTING ADDRESS. OWNERSHIP: CONTENTS SUPERVISION. SERIALIZATION: NONE.
64	(40)	ADDRESS	4	ECVTBPME	- BELOW 16M, PAGEABLE DEVICE SUPPORT MODULES, ENDING ADDRESS. OWNERSHIP: CONTENTS SUPERVISION. SERIALIZATION: NONE.
68	(44)	ADDRESS	4	ECVTAPMS	- ABOVE 16M, PAGEABLE DEVICE SUPPORT MODULES, STARTING ADDRESS. OWNERSHIP: CONTENTS SUPERVISION. SERIALIZATION: NONE.
72	(48)	ADDRESS	4	ECVTAPME	- ABOVE 16M, PAGEABLE DEVICE SUPPORT MODULES, ENDING ADDRESS. OWNERSHIP: CONTENTS SUPERVISION. SERIALIZATION: NONE.
76	(4C)	ADDRESS	4	ECVTQUCB	- XCF DATA AREA (IXCYQUCB) ANCHOR. OWNERSHIP: XCF. SERIALIZATION: N/A.
80	(50)	DBL WORD	8	ECVTSSDD (0)	- DOUBLE WORD USED TO COMPARE DOUBLE AND SWAP ECVTSSDF AND ECVTSSDS. SERIALIZATION: CDS. OWNERSHIP: SUPERVISOR CONTROL.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
80	(50)	ADDRESS	4	ECVTSSDF	- THE ADDRESS OF THE FREE SSD QUEUE. SERIALIZATION: CS WHEN ADDING AN SSD TO THE FREE QUEUE. CDS ON ECVTSSDD WHEN REMOVING AN SSD FROM THE FREE QUEUE. OWNERSHIP: SUPERVISOR CONTROL.
84	(54)	SIGNED	4	ECVTSSDS	- SEQUENCE NUMBER INCREMENTED WHEN SSDS ARE REMOVED FROM THE FREE SSD QUEUE. USED TO SERIALIZE THE FREE SSD QUEUE. OWNERSHIP: SUPERVISOR CONTROL.
88	(58)	BITSTRING	4	ECVTR058	- RESERVED
92	(5C)	ADDRESS	4	ECVTSRBT	- THE ADDRESS OF THE SSD RESOURCE MANAGER. OWNERSHIP: SUPERVISOR CONTROL.
96	(60)	ADDRESS	4	ECVTDPQH	Queue of DU-AL Pools (DPHs) Ownership: PC Auth Serialization: Disp lock
100	(64)	ADDRESS	4	ECVTTCRE	- IEAVTCRE ENTRY POINT ADDRESS. OWNERSHIP: ACR. SERIALIZATION: NONE.
104	(68)	SIGNED	4	(0)	- ALIGN ECVTXCFG ON A WORD BDY
104	(68)	BITSTRING	16	ECVTXCFG	SYSPLEX CONFIGURATION REQUIREMENTS. OWNERSHIP: XCF. SERIALIZATION: SYSTEM INITIALIZATION.
120	(78)	ADDRESS	4	ECVTR078	- RESERVED. DO NOT USE.
124	(7C)	ADDRESS	4	ECVTR07C	- RESERVED. DO NOT USE.
128	(80)	ADDRESS	4	ECVTSCHA	"V(IEAVSCHA)" - THE ADDRESS OF IEAVSCHA. SCHEDULE WITH ADDRESSABILITY. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
132	(84)	BITSTRING	4	ECVTR084	- RESERVED.
136	(88)	ADDRESS	4	ECVTDLCB	Address of DLCB (CSVDLCB) for the current LNKLST set. Serialization: ENQ Ownership: CSV
140	(8C)	ADDRESS	4	ECVTNTTP	- ADDRESS OF SYSTEM LEVEL NAME/TOKEN HEADER. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: CMS LOCK.
144	(90)	ADDRESS	4	ECVTSRBJ	"V(IEAVJOIN)" SRB-mode enclave join - A value of 0 in ECVTSRBJ means that the function is not available - Caller must be AMODE 31 or 64, key 0, supervisor state, enabled for I/O and external interrupts, holding no locks - SRB mode (preemptable non-Client SRB only) - Primary ASC mode - Any P, Any S, Any H - Set GR 1 to the below-2G address of the 8-byte enclave token. Bits 0-31 of 64-bit GR 1 are ignored. - Load this address into GR 15. Do not use the LLGT instruction. You do not need to set bits 0-31 of 64-bit GR 15. - If AMODE 64, issue BASSM 14,15 If AMODE 31, issue BASSM 14,15 or BASR 14,15 - 31-bit GRs 2-13, high halves 2-14, and ARs 2-14 will be preserved. - On return, GR 15 contains the return code: 0 = Join successfully completed. 8 = Enclave token is not or is no longer valid 12 = Work unit is already in an enclave 16 = Non-preemptable SRB 20 = Client SRB - Potential Abend Codes: none
148	(94)	ADDRESS	4	ECVTSRBL	"V(IEAVLEAV)" SRB-mode enclave leave - A value of 0 in ECVTSRBL means that the function is not available - Caller must be AMODE 31 or 64, key 0, supervisor state, enabled for I/O and external interrupts, holding no locks - SRB mode - Primary ASC mode - Any P, Any S, Any H - Set GR 1 to the below-2G address of the 8-byte enclave token. Bits 0-31 of 64-bit GR 1 are ignored. - Load this address into GR 15. Do not use the LLGT instruction. You do not need to set bits 0-31 of 64-bit GR 15. - If AMODE 64, issue BASSM 14,15 If AMODE 31, issue BASSM 14,15 or BASR 14,15 - 31-bit GRs 2-13, high halves 2-14, and ARs 2-14 will be preserved. - On return, GR 15 contains the return code: 0 = Leave successfully completed. 8 = Enclave token is not or is no longer valid 12 = Work unit is not in an enclave 16 = Work unit is not in the enclave identified by the input - Potential Abend Codes: none
152	(98)	ADDRESS	4	ECVTMSCH	- THE ADDRESS OF SLM MESSAGE SUBCHANNEL LIST. OWNERSHIP: SYSTEM LOCK MANAGER SERIALIZATION: NIP.
156	(9C)	ADDRESS	4	ECVTCAL	- THE ADDRESS OF SLM COMMON AREA LIST. OWNERSHIP: SYSTEM LOCK MANAGER SERIALIZATION: NIP.
160	(A0)	BITSTRING	8	ECVTLOAD	- EDITED MVS LOAD PARAMETER OWNERSHIP: IPL. SERIALIZATION: NONE.
168	(A8)	BITSTRING	8	ECVTMLPR	- LOAD parameter used for this IPL. OWNERSHIP: IPL. SERIALIZATION: NONE.
176	(B0)	ADDRESS	4	ECVTTCP	- Token used by TCP/IP OWNERSHIP: TCPIP SERIALIZATION: Compare and Swap during TCPIP initialization
180	(B4)	BITSTRING	4	ECVTR0B4	- RESERVED.
184	(B8)	ADDRESS	4	ECVTNVDM	- NETVIEW DM TCP ID BLOCK POINTER OWNERSHIP: NETVIEW DISTRIBUTION MANAGER. SERIALIZATION: NONE.
188	(BC)	BITSTRING	4	ECVTR0BC	- RESERVED. DO NOT USE.
192	(C0)	ADDRESS	4	ECVTGRMP	- GRM DATA BLOCK POINTER OWNERSHIP: GRAPHICS RESOURCE MONITOR SERIALIZATION: TEST AND SET ON THE HIGH ORDER BYTE.
196	(C4)	ADDRESS	4	ECVTWLM	- WLM VECTOR TABLE POINTER OWNERSHIP: WLM. SERIALIZATION: NONE.
200	(C8)	ADDRESS	4	ECVTCSM	- Pointer to Communication Storage Manager control structure OWNERSHIP: VTAM (Communications Storage Manager(CSM)) SERIALIZATION: ENQUEUE/DEQUEUE
204	(CC)	ADDRESS	4	ECVTCTBL	"V(CSRCTABL)" Customer anchor table. Slots assigned by IBM. Ownership: Callable Services. Serialization: None

ECVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
208	(D0)	ADDRESS	4	ECVTPMCS	"V(IEAVPMCS)" STATUS SET,MC,PROCESS SERVICE ROUTINE ADDRESS. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
212	(D4)	ADDRESS	4	ECVTPMCR	"V(IEAVPMCR)" STATUS RESET,MC,PROCESS SERVICE ROUTINE ADDRESS WITHIN MODULE IEAVFMCS. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
216	(D8)	ADDRESS	4	ECVTSTX1	"V(IEAVAX01)" STAX DEFER=YES,LINKAGE=BRANCH SERVICE ROUTINE ADDRESS. OWNERSHIP: RCT. SERIALIZATION: NONE.
220	(DC)	ADDRESS	4	ECVTSTX2	"V(IEAVAX02)" STAX DEFER=NO,LINKAGE=BRANCH SERVICE ROUTINE ADDRESS WITHIN MODULE IEAVAX01. OWNERSHIP: RCT. SERIALIZATION: NONE.
224	(E0)	BITSTRING	4	ECVTSLID	- CONTAINS THE SLIP PER TRAP ID OR BINARY ZEROS. OWNERSHIP: SLIP SERIALIZATION: NONE.
228	(E4)	ADDRESS	4	ECVTCVST	- CSV TABLE. OWNERSHIP: CSV SERIALIZATION: SET DURING NIP
232	(E8)	ADDRESS	4	ECVTASA	- ASA TABLE. OWNERSHIP: ASA SERIALIZATION: SET DURING NIP
236	(EC)	ADDRESS	4	ECVTXPM	"V(IEAVEXPM)" - GETXSB SERVICE ROUTINE. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
240	(F0)	ADDRESS	4	ECVTOCVT	- ANCHOR FOR OpenMVS COMMUNICATION VECTOR TABLE. OWNERSHIP: OpenMVS. SERIALIZATION: COMPARE AND SWAP DURING OpenMVS INITIALIZATION.
		1...		ECVTOMVS	"X'80" If on, OpenMVS is up and available.
244	(F4)	ADDRESS	4	ECVTOEXT	- ANCHOR FOR OpenMVS EXTERNAL DATA THAT NEEDS TO BE ACCESSED BY NON-MVS CODE. OWNERSHIP: OpenMVS. SERIALIZATION: COMPARE AND SWAP DURING OpenMVS INITIALIZATION. (NEVER CHANGED AFTER INITIALIZATION)
248	(F8)	ADDRESS	4	ECVTCMPS	"V(CSRCMPSS)" - Address of the Compression Service routine. OWNERSHIP: Callable Services. SERIALIZATION: None.
252	(FC)	ADDRESS	4	ECVTNUCP	- Pointer to nucleus dataset name, VOL=SER, and its UCB. OWNERSHIP: NIP SERIALIZATION: None.
256	(100)	ADDRESS	4	ECVTXRAT	- XES anchor table for branch entry routine addresses. OWNERSHIP: XES. SERIALIZATION: None.
260	(104)	ADDRESS	4	ECVTPWVT	- Address of the Processor Workunit Queue Vector Table (PWVT). SERIALIZATION: None. OWNERSHIP: Supervisor Control
264	(108)	CHARACTER	2	ECVTCLON	- 1 or 2 character value used to identify a system within a sysplex. Valid values are A-Z, 0-9, \$, @, #. Not valid if blank. Serialization: None. Ownership: Supervisor Control.
266	(10A)	ADDRESS	1	ECVTGMOD	GRS mode of operation OWNERSHIP: GRS. SERIALIZATION: None.
266	(10A)	X'0'	0	ECVTGNON	"0" GRS operating with option NONE.
266	(10A)	X'1'	0	ECVTGRNG	"1" GRS operating in ring mode.
266	(10A)	X'2'	0	ECVTGSTA	"2" GRS operating in star mode.
267	(10B)	BITSTRING	15	ECVTR10B	- RESERVED.
282	(11A)	SIGNED	2	ECVTPTIM	Time value for Parallel Detach processing OWNERSHIP: RTM SERIALIZATION: None
284	(11C)	ADDRESS	4	ECVTJCCT	- Address of the JES communication control table. OWNERSHIP: JES. SERIALIZATION: None.
288	(120)	ADDRESS	4	ECVTLTAB	"V(IXGLSAB)" - Pointer to Logger Services Anchor Block. OWNERSHIP: IXG. SERIALIZATION: None.
292	(124)	ADDRESS	4	ECVTETPE	"V(IEAVETPE)" Addr of routine IEAVETPE. Serialization: None. Ownership: Supervisor Control
296	(128)	ADDRESS	4	ECVTSYMT	Address of the system static symbol table. The system static symbol table is mapped by dsect SYMBT within ASASYMBP. The table is preceded by an area mapped by dsect SYMBTH within ASASYMBP. Serialization: None. Ownership: NIP
300	(12C)	ADDRESS	4	ECVTESYM	"V(IEAVESYM)" Address of IEAVESYM routine. Serialization: None. Ownership: NIP
304	(130)	BITSTRING	4	ECVTFLGS (0)	Miscellaneous Flags Serialization: None. Ownership: NIP
304	(130)	BITSTRING	1	ECVTFLG1	First miscellaneous flag Serialization: None. Ownership: NIP
		1...		ECVTCLNU	"X'80" When set, this flag indicates that the system static symbol &SYSCLONE value defined in an IEASYMxx member used for this IPL must be unique in the SYSPLEX. Serialization: None. Ownership: NIP
		.1..		ECVTPMAC	"X'40" Serialization: None. Ownership: NIP
305	(131)	BITSTRING	3	ECVTESY1	"V(IEAVESY1)" Address of routine IEAVESY1. Serialization: None. Ownership: NIP
308	(134)	ADDRESS	4	ECVTPETM	"V(IEAVPETM)" Addr of routine IEAVPETM Serialization: None Ownership: Supervisor Control
312	(138)	ADDRESS	4	ECVTETPT	"V(IEAVETPT)" Addr of routine IEAVETPT Serialization: None Ownership: Supervisor Control
320	(140)	ADDRESS	4	ECVTENVV	- Pointer to Enclave Vector Table (ENVV). OWNERSHIP: SRM SERIALIZATION: SRM lock, if updated after NIP
324	(144)	SIGNED	4	ECVTVSR	Reserved for use by VSE Ownership: VSE Serialization: none
328	(148)	ADDRESS	4	ECVTLSEN	"V(IEAVLSEN)" Address of module IEAVLSEN
332	(14C)	ADDRESS	4	ECVTDGNB	"V(IGVDGNBT)" Address of DGNB Serialization: None. Ownership: VSM
336	(150)	CHARACTER	8	ECVTHDNM	Hardware name of the processor configuration. Serialization: None. Ownership: NIP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
344	(158)	CHARACTER	8	ECVTLPNM	LPAR name of the processor configuration. This field is blanks if processor is not in LPAR mode. Serialization: None. Ownership: NIP
352	(160)	CHARACTER	8	ECVTVMNM	VM userid of the virtual machine, of which this MVS image is is a guest. This field is blanks if the processor is not a guest under VM. Serialization: None. Ownership: NIP
360	(168)	ADDRESS	4	ECVTGRM	"V(CRG52GRM)" Address of routine CRG52GRM Serialization: None. Ownership: Context Services
364	(16C)	ADDRESS	4	ECVTSEIF	"V(CRG52SEI)" Address of routine CRG52SEI. Serialization: None. Ownership: Context Services
368	(170)	ADDRESS	4	ECVTAES	"V(IEAVEAES)" Address of routine IEAVEAES. Serialization: None. Ownership: Supervisor Control
372	(174)	ADDRESS	4	ECVTRSMT	Address of registration services management table. Serialization: None. Ownership: Context Services
376	(178)	CHARACTER	16	ECVTMMEM	Exit manager name of the mvs miscellaneous event exit manager Serialization: None. Ownership: Supervisor Control
392	(188)	ADDRESS	4	ECVTIPA	Address of the Initialization Parameter Area Serialization: None. Ownership: NIP
396	(18C)	BITSTRING	16	ECVTMMET	- Exit Manager Token of the MVS Miscellaneous Event Exit Manager Serialization: None. Ownership: Supervisor Control
412	(19C)	ADDRESS	4	ECVTMMEQ	MVS Miscellaneous Event Exit Manager RM_TOKEN Queue Serialization: REGSRV EXCL lock. Ownership: Supervisor Control
416	(1A0)	ADDRESS	4	ECVTMMEA	Address of the MVS Miscellaneous Event Exit Manager Resource Manager Token Array. Serialization: REGSRV EXCL lock. Ownership: Supervisor Control.
420	(1A4)	ADDRESS	4	ECVTEAEX	"V(IEAVEAEX)" Address of routine IEAVEAEX. Serialization: None. Ownership: Supervisor Control
424	(1A8)	ADDRESS	4	ECVTEAUX	"V(IEAVEAUX)" Address of routine IEAVEAUX. Serialization: None. Ownership: Supervisor Control
428	(1AC)	ADDRESS	4	ECVTMMEC	Count of RMs registered with MVS Miscellaneous Event Exit Manager Serialization: REGSRV EXCL Lock. Ownership: Supervisor Control
432	(1B0)	ADDRESS	4	ECVTIPST	Address of IPST Serialization: None. Ownership: NIP
436	(1B4)	ADDRESS	4	ECVTRRSW	Address of the RRS world object Serialization: None. Ownership: RRS
440	(1B8)	ADDRESS	4	ECVTRRTT	"V(ATRSMEOT)" RRS EOT Resmgr address with Amode indicator set on Serialization: None Ownership: RRS
444	(1BC)	ADDRESS	4	ECVTRRMT	"V(ATRSMEOM)" RRS EOM Resmgr Address with Amode indicator set on Serialization: None Ownership: RRS
448	(1C0)	ADDRESS	4	ECVTPRED	Product Enable/Disable block Serialization: None. Ownership: SMF
452	(1C4)	BITSTRING	16	ECVTCEMT	- Exit Manager Token of the Context Services Exit Manager. Serialization: None Ownership: Context Services
468	(1D4)	ADDRESS	4	ECVTCEME	"V(CTXEMGRE)" Address of routine CTXEMGRE. Serialization: None. Ownership: Context Services
472	(1D8)	ADDRESS	4	ECVTCEMR	"V(CTXCEMGR)" Address of routine CTXCEMGR. Serialization: None. Ownership: Context Services Serialization: None.
476	(1DC)	SIGNED	4	ECVTPSEQ	Product sequence number. This field will be changed when any new version, release, or modification level is provided. It can be used to determine if the operating system is at a suitable level for a desired function. Its value will always increase from one release/mod level to the next.

Comment

For z/OS 2.1 (HBB7790), the value is 01020100
 For z/OS R13 (HBB7780), the value is 01011300
 For z/OS R12 (HBB7770), the value is 01011200
 For z/OS R11 (HBB7760), the value is 01011100
 For z/OS R10 (HBB7750), the value is 01011000
 For z/OS R9 (HBB7740), the value is 01010900
 For z/OS R8 (HBB7730), the value is 01010800
 For z/OS R7.1 (JBB772S), the value is 01010701
 For z/OS R7 (HBB7720), the value is 01010700
 For z/OS R6.1 (JBB77S9), the value is 01010601
 For z/OS R6 (HBB7709), the value is 01010600
 For z/OS R5 (HBB7708), the value is 01010500
 For z/OS R4 (HBB7707), the value is 01010400
 For z/OS R3 (HBB7706), the value is 01010300
 For z/OS R2 (HBB7705), the value is 01010200
 For z/OS R1 (JBB7713), the value is 01010100
 For OS/390 R10 (HBB7703), the value is 00021000
 For OS/390 R9 (JBB6609), the value is 00020900

ECVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		For OS/390 R8 (HBB6608), the value is 00020800			
		For OS/390 R7 (JBB6607), the value is 00020700			
		For OS/390 R6 (HBB6606), the value is 00020600			
		For OS/390 R5 (HBB6605), the value is 00020500			
		For OS/390 R4 (JBB6604), the value is 00020400			
		For OS/390 R3 (HBB6603), the value is 00010300			
		For OS/390 R2 (JBB6602), the value is 00010200			
		For OS/390 R1 (HBB6601), the value is 00010100			
		GBLC macro variables produced by SYSSTATE TEST can be used to produce an equate for any release beginning with z/OS R1.			
					End of Comment
480	(1E0)	CHARACTER	16	ECVTPOWN	Product owner
496	(1F0)	CHARACTER	16	ECVTPNAM	Product name.
512	(200)	CHARACTER	2	ECVTPVER	Product version
514	(202)	CHARACTER	2	ECVTPREL	Product release
516	(204)	CHARACTER	2	ECVTPMOD	Product mod level
518	(206)	CHARACTER	1	ECVTPDVL	Product development level. Note: This field is used for web deliverable for which the Product Modification Level is not changed.
519	(207)	BITSTRING	1	ECVTTTFL	Transaction Trace flags. Serialization: None Ownership: Transaction Trace
		... ..		ECVTTTRC	"X'80" Transaction Trace has been 'turned on'.
		.1.		ECVTTATF	"X'40" If set on, TTrace is not active due to ATTACHX failure.
		..1.		ECVTTESF	"X'20" If set on, TTrace is not active due to ESTAE failure.
		...1		ECVTTGMF	"X'10" If set on, TTrace is not active due to GETMAIN failure.
		.... 1...		ECVTTABT	"X'08" If set on, TTrace is not active due to abnormal termination.
520	(208)	ADDRESS	4	ECVTCURX	"V(CTXCSURX)" Address of routine CTXCSURX. Serialization: None. Ownership: Context Services
524	(20C)	ADDRESS	4	ECVTCTXR	"V(CTXRSMGR)" Addr of routine CTXRSMGR. Serialization: None. Ownership: Context Services
528	(210)	ADDRESS	4	ECVTCRGR	"V(CRGRSMGR)" Addr of routine CRGRSMGR. Serialization: None. Ownership: Context Services
532	(214)	ADDRESS	4	ECVTCSRBR	"V(CTXSRB)" Addr of routine CTXSRB. Serialization: None Ownership: Context Services
536	(218)	ADDRESS	4	ECVTREM1	"V(CRGRREM1)" Addr of routine CRGRREM1 entry point in module CRGRREMD. Serialization: None. Ownership: Context Services
540	(21C)	ADDRESS	4	ECVTREM2	"V(CRGRREM2)" Addr of routine CRGRREM2 entry point in module CRGRREMD. Serialization: None. Ownership: Context Services
544	(220)	ADDRESS	4	ECVTXFR3	"V(IEAVXFR3)" Addr of routine IEAVXFR3 entry point Serialization: None. Ownership: PC Auth
548	(224)	ADDRESS	4	ECVTCICB	
552	(228)	ADDRESS	4	ECVTDLPF	Address of first CDE on dynamic LPA queue. Ownership: CSV Only CSV is allowed to change this. Serialization: CMS Lock
556	(22C)	ADDRESS	4	ECVTDLPL	Address of last CDE on dynamic LPA queue. It is intended that the CDHAIN field of this CDE point to the CDE pointed to by CVTQLPAQ Ownership: CSV Only CSV is allowed to change this. Serialization: CMS Lock
560	(230)	ADDRESS	4	ECVTSRBR	"V(IEAVSYN6)" Return for T6EXIT RETURN=SRBSUSP Serialization: None. Ownership: Supervisor control
564	(234)	ADDRESS	4	ECVTBCBA	Address of SOMObjects data structure Ownership: SOMObjects for OS/390 Serialization: CS
568	(238)	CHARACTER	8	ECVTPIDN	PID number
576	(240)	DBL WORD	8	ECVTRMD (0)	Double word for the CRGREMD Parameter List Free Pool.
576	(240)	ADDRESS	4	ECVTRMDP	CRGREMD Parameter List Free Pool Ptr Ownership: Registration Services. Serialization: CDS on ECVTRMD
580	(244)	SIGNED	4	ECVTRMDS	CRGREMD Parameter List Free Pool Sequence Number. Ownership: Registration Services. Serialization: CDS on ECVTRMD
584	(248)	ADDRESS	4	ECVTRSU1	"V(IEAVRSU1)" Addr of routine IEAVRSU1 (Resume with sequence number. Serialization: None. Ownership: Supervisor Control.
588	(24C)	ADDRESS	4	ECVTPEST	Address of the Pause Element Segment Table. Serialization: Dispatcher lock Ownership: Supervisor Control.
592	(250)	ADDRESS	4	ECVTCDYN	Context Services Dynamic Area Cell Pool ID. Ownership: Context Services.
596	(254)	ADDRESS	4	ECVTFCDA	
600	(258)	BITSTRING	8	ECVTEORM	- Potential real high storage address
608	(260)	ADDRESS	4	ECVTCBLS	"V(IEAVCBLS)" Addr of IEAVCBLS (see IHACBLS)
612	(264)	ADDRESS	4	ECVTRINS	Address of RRS installed function block (ATRRINST) Ownership: RRS
616	(268)	ADDRESS	4	ECVTTTCA	Address of Transaction Trace Communications Area. Serialization: None Ownership: Transaction Trace
620	(26C)	ADDRESS	4	ECVTLCXT	Address of LCCXVT
624	(270)	BITSTRING	4	ECVTOESI	- When non-zero, orig SCCBMESI
628	(274)	BITSTRING	4	ECVTOXSB	- When non-zero, orig SCCBNXSB
632	(278)	ADDRESS	4	ECVTESTU	"V(IEAVESTU)" SVC update service
636	(27C)	ADDRESS	4	ECVTRBUP	- IEARBUP service
640	(280)	BITSTRING	4	ECVTOSAI	- When non-zero, orig SCCBSAIX
644	(284)	BITSTRING	4	ECVTR284	- Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
648	(288)	ADDRESS	4	ECVTCRDT	"V(CSVRCDTY)" Entry for RACF to get CDRACDTY bits set
652	(28C)	BITSTRING	8	ECVTR28C	
660	(294)	ADDRESS	4	ECVTXPCB	
664	(298)	BITSTRING	16	ECVTL PUB	- IBM Publisher ID for ILM
680	(2A8)	BITSTRING	8	ECVTL PID	- IBM Product ID for ILM
688	(2B0)	BITSTRING	8	ECVTL VID	- IBM Version ID for ILM
696	(2B8)	BITSTRING	4	ECVTL KLN	- Length of IBM Key for ILM
700	(2BC)	ADDRESS	4	ECVTL KAD	- Address of IBM Key for ILM
704	(2C0)	BITSTRING	2	ECVTCACHELINESIZE	- CPU Cache Line Size
706	(2C2)	BITSTRING	1	ECVTCACHELINESSTARTBDY	- CPU Cache Line Start Boundary
707	(2C3)	BITSTRING	1	ECVTR2C3	- Reserved.
708	(2C4)	ADDRESS	4	ECVTRFPT	- Address of routine to update REFRPROT option for this task. Place the address in reg 15. Place 1 in reg 0 if you want to override the system REFRPROT option and not allow REFRPROT for this task for subsequent LOADs. Place 0 in reg 0 if you no longer want to override the system REFRPROT option, so that REFRPROT is processed for this task for subsequent LOADs. Behavior is undefined if a value other than 0/1 is found. Issue BASSM 14,15. GRs 2-13 will be preserved. ARs 2-13 will be preserved. There is no return information. The routine may be called in primary or AR ASC mode. The routine may be called unlocked or locked. The routine may be called from AMODE 31 or 64, both via BASSM.
712	(2C8)	SIGNED	2	ECVT_INSTALLED_CPU_HWM	The highest CPU number currently installed within this IPL. Could increase upon dynamic CPU addition
714	(2CA)	SIGNED	2	ECVT_INSTALLED_CPU_AT_IPL	The highest CPU number installed at the time of IPL.
716	(2CC)	ADDRESS	4	ECVTCRIT	- Address of Common Resource Information Table Owner: IQP Serialization: None. Set during initialization
720	(2D0)	DBL WORD	8	ECVTTEDVECTORTABLEADDR	Pointer to the Timed Event Data vector table
728	(2D8)	DBL WORD	8	ECVTTEDSTORAGEBYTESALLOCATED	Amount of storage used for all TED Tables
736	(2E0)	ADDRESS	4	ECVTTEDS	"V(IEAVTEDS)" Pointer to the Timed Event Data Service Module
740	(2E4)	BITSTRING	12	ECVTMMIG (0)	- Machine Migration
740	(2E4)	BITSTRING	1	ECVTMMIG_BYTE0	Machine Migration Byte 0
		1...		ECVTMMIG_EDAT2	"X'80"
		.1..		ECVTMMIG_TX	"X'40"
		..1.		ECVTMMIG_RI	"X'20"
741	(2E5)	BITSTRING	11		Machine Migration Bytes 1-11
752	(2F0)	BITSTRING	8	ECVTOSARX (0)	- When non-zero, orig SCCBSARX
752	(2F0)	BITSTRING	4	ECVTOSARXH	- SCCBSARX - High Half
756	(2F4)	BITSTRING	4	ECVTOSARXL	- SCCBSARX - Low Half
760	(2F8)	BITSTRING	8	ECVT_HCWA	HCW
768	(300)	ADDRESS	4	ECVTSLCA	- Owner: LE
772	(304)	ADDRESS	4	ECVTCPGUM	"V(IGVCPGUM)" IGVCPGUM
776	(308)	ADDRESS	4	ECVTCPFPM	"V(IGVCPFRM)" IGVCPFRM
780	(30C)	ADDRESS	4	ECVTCPGCM	"V(IGVCPGCM)" IGVCPGCM
784	(310)	ADDRESS	4	ECVT4QV1	"V(IEAV4QV1)" IEAV4QV1
788	(314)	ADDRESS	4	ECVT4QV2	"V(IEAV4QV2)" IEAV4QV2
792	(318)	ADDRESS	4	ECVT4QV3	"V(IEAV4QV3)" IEAV4QV3
796	(31C)	ADDRESS	4	ECVT4QV4	"V(IEAV4QV4)" IEAV4QV4
800	(320)	ADDRESS	4	ECVT4QV5	"V(IEAV4QV5)" IEAV4QV5
804	(324)	ADDRESS	4	ECVT4QV6	"V(IEAV4QV6)" IEAV4QV6
808	(328)	ADDRESS	4	ECVT4QV7	"V(IEAV4QV7)" IEAV4QV7
812	(32C)	ADDRESS	4	ECVTTENC	"V(IEAVRT5S)" Timeused Enclave
816	(330)	ADDRESS	4	ECVTS CF	"V(IEAVSCAF)" IEAVSCAF
820	(334)	ADDRESS	4	ECVTTSTH	"V(IEAVTSTH)" IEAVTSTH
824	(338)	ADDRESS	4	ECVTSTC5	"V(IEATSTC5)" - STCKSYN, AR MODE, CTNID REQUESTED. OWNERSHIP: TIMER. SERIALIZATION: NONE.
828	(33C)	ADDRESS	4	ECVTSTC6	"V(IEATSTC6)" - STCKSYN, NON-AR MODE, CTNID REQUESTED. OWNERSHIP: TIMER. SERIALIZATION: NONE.
832	(340)	ADDRESS	4	ECVTCH1	"V(IEAVECH1)" IEAVECH1 Storage Check Service for AMODE(31) callers
836	(344)	ADDRESS	4	ECVTCH2	"V(IEAVECH2)" IEAVECH2 Storage Check Service for AMODE(64) callers
840	(348)	ADDRESS	4	ECVTCEAB	CEAB
		1...		ECVTCEAT	"X'80" CEA has terminated
844	(34C)	ADDRESS	4	ECVTAXRB	AXRB
		1...		ECVTAXRT	"X'80" AXR has terminated
848	(350)	ADDRESS	4	ECVTECT	"V(IEAVEECT)" IEAVEECT service
852	(354)	ADDRESS	4	ECVTFACL	"V(IEAVFACL)" Address of 2048-byte facility area mapped by IHAFACL.
856	(358)	BITSTRING	4	ECVT_DIAG358	Reserved do not use

ECVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
860	(35C)	BITSTRING	4	ECVTR35C	Reserved for future use
864	(360)	ADDRESS	4	ECVTSDC	Owner: SDC
868	(364)	ADDRESS	4	ECVTHIAB	Anchor for Hardware Instrumentation Anchor Block. Ownership: HIS Serialization: None. Set during HIS initialization.
872	(368)	ADDRESS	4	ECVTHWIP	Anchor Block for BCPii AS Ownership: HWI Serialization: None. Set during BCPii initialization
876	(36C)	ADDRESS	4	ECVTSCPIN	Address of current SCPINFO data block, unlike CVTSCPIN which is the IPL-time SCPINFO data block. Mapped by IHASCCB.
880	(370)	DBL WORD	8	ECVTHP1	Pointer to Heap Pool 1 structure supporting macro IARST64 for common storage. Ownership: RSM. Serialization: CSG
888	(378)	SIGNED	2	ECVTMAXMPNUMBYTESINMASK	Maximum number of bytes a bitmask of CVTMAXMP bits would take up, rounded to a multiple of 8 2
890	(37A)	SIGNED	2	ECVTPHYSICALTOLOGICALMASK	"OR" this value with a CPUs physical ID to obtain its logical ID
892	(37C)	SIGNED	2	ECVTLOGICALTOPHYSICALMASK	"AND" this value with a CPUs logical ID to obtain its physical ID
894	(37E)	BITSTRING 1... ..	1	ECVTAPPFLAGS ECVTSTCKSYNCREPLACED	Application-set flags Serialization: CS "X'80" A product has replaced system control block fields that contain the entry point addresses for STCKSYNC services. The system is not to reset these fields to their IPL-time values.
895	(37F)	BITSTRING	1	ECVTR37F	Reserved for future
896	(380)	BITSTRING	4	ECVTR380	Reserved for future
900	(384)	ADDRESS	4	ECVTXTSW	"V(ISGXSRBW)" Address of "Cross-memory TCB or SRB wait" routine. - Caller must be AMODE 31, key 0, supervisor state, enabled for I/O and external interrupts, holding no locks. - SRB or task mode. - Primary ASC mode. - Any P, Any S, Any H. - Load this address into GR 15, - Issue BASR 14,15 - 31-bit GRs 2-13, high halves 2-14, and ARs 2-14 will be preserved. - On entry R1 should contain the address of a standard parameter list. The parameter list consists of a fullword that is the address of an 8-byte area that contains the wait time in TOD clock format. - On exit, GR 15 contains the return code: 0 = Wait successfully completed. 16 = Unable to obtain storage to perform the suspend operation. 20 = SUSPEND w/TOKEN is prohibited for this SRB. A PURGEDQ might already have been issued for this SRB. 24 = An unrecoverable error occurred in SUSPEND processing. - Potential Abend Codes:

Comment

AC7 REASON-CODE 00410001: RESUME request did not complete normally

AC7 REASON-CODE 00410002: An error occurred during the timer DIE execution and the FRR abended the owning task for the SRB that was to be resumed

End of Comment

904	(388)	ADDRESS	4	ECVT_SMF_CMS_LOCKINST_ADDR	"V(CMSSMFLP)" Address of the SMF CMS instrumentation data for the system
908	(38C)	ADDRESS	4	ECVT_ENQDEQ_CMS_LOCKINST_ADDR	"V(CMSEDLPP)" Address of the ENQ/DEQ CMS instrumentation data for the system
912	(390)	ADDRESS	4	ECVT_LATCH_CMS_LOCKINST_ADDR	"V(CMSLATLP)" Address of the Latch CMS instrumentation data for the system
916	(394)	ADDRESS	4	ECVT_CMS_LOCKINST_ADDR	"V(CMSLPL)" Address of the CMS instrumentation data for the system
920	(398)	ADDRESS 1... ..	4	ECVTHZRB ECVTHZRT	Address of the HZRB Ownership: Runtime Diagnostics "X'80" RTD has terminated
924	(39C)	ADDRESS	4	ECVTGTZ	Address of GTZ block Ownership: Generalized Tracker
928	(3A0)	DBL WORD	8	ECVTEND (0)	End of the ECVT.
928	(3A0)	X'FF'	0	ECVT_MAX_HIGHESTCPUID	"ECVT_zOSV2R1_highestCPUID" The highest physical CPU ID allowed in a z/OS system. If you use this equate, you must be prepared to reassemble if this value changes in a new release. IBM recommends using CVTMAXMP at runtime.
928	(3A0)	X'100'	0	ECVT_MAX_CPUMASKSIZEINBITS	"ECVT_zOSV2R1_CPUMaskSizeInBits" The maximum number of bits needed to allocate storage at assemble time to guarantee enough storage to hold a full CPU mask of any current or prior release. If you use this equate, you must be prepared to reassemble if this value changes in a new release. IBM recommends using CVTMAXMP at runtime.
928	(3A0)	X'20'	0	ECVT_MAX_CPUMASKSIZEINBYTES	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
928	(3A0)	X'FF'	0	ECVT_ZOSV2R1_HIGHESTCPUID	"ECVT_max_CPUMaskSizeInBits/8" The maximum number of bytes needed to allocate storage at assemble time to guarantee enough storage to hold a full CPU mask of any current or prior release. If you use this equate, you must be prepared to reassemble if this value changes in a new release. IBM recommends using ECVTMaxMPNumBytesInMask at runtime.
928	(3A0)	X'100'	0	ECVT_ZOSV2R1_CPUMASKSIZEINBITS	"255" The highest physical CPU ID allowed in a z/OS system up to and including z/OS V2R1. This constant will never change. IBM recommends using CVTMAXMP at runtime.
928	(3A0)	X'20'	0	ECVT_ZOSV2R1_CPUMASKSIZEINBYTES	"256" The number of bits needed to allocate storage at assemble time to guarantee enough storage to hold a full CPU mask up to and including release z/OS V2R1. This constant will never change. IBM recommends using CVTMAXMP at runtime.
928	(3A0)	X'63'	0	ECVT_ZOSR11_HIGHESTCPUID	"99" The highest physical CPU ID allowed in a z/OS system up to and including z/OS V1R11. This constant will never change. IBM recommends using CVTMAXMP at runtime.
928	(3A0)	X'80'	0	ECVT_ZOSR11_CPUMASKSIZEINBITS	"128" The number of bits needed to allocate storage at assemble time to guarantee enough storage to hold a full CPU mask up to and including release z/OS V1R11. This constant will never change. IBM recommends using CVTMAXMP at runtime.
928	(3A0)	X'10'	0	ECVT_ZOSR11_CPUMASKSIZEINBYTES	"ECVT_zOSR11_CPUMaskSizeInBits/8" The number of bytes needed to allocate storage at assemble time to guarantee enough storage to hold a full CPU mask up to and including release z/OS V1R11. This constant will never change. IBM recommends using ECVTMaxMPNumBytesInMask at runtime.

ECVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ECVT	0		ECVTAPME	48	
ECVT_CMS_LOCKINST_ADDR	394		ECVTAPMS	44	
ECVT_DIAG358	358	0	ECVTAPPC	28	
ECVT_ENQDEQ_CMS_LOCKINST_ADDR	38C		ECVTAPPFLAGS	37E	0
ECVT_HCWA	2F8	0	ECVTASA	E8	
ECVT_INSTALLED_CPU_AT_IPL	2CA	0	ECVTAXRB	34C	
ECVT_INSTALLED_CPU_HWM	2C8	0	ECVTAXRT	34C	80
ECVT_LATCH_CMS_LOCKINST_ADDR	390		ECVTBCBA	234	
ECVT_MAX_CPUMASKSIZEINBITS	3A0	100	ECVTBPME	40	
ECVT_MAX_CPUMASKSIZEINBYTES	3A0	20	ECVTBPMS	3C	
ECVT_MAX_HIGHESTCPUID	3A0	FF	ECVTCACHELINESIZE	2C0	0
ECVT_SMF_CMS_LOCKINST_ADDR	388		ECVTCACHELINESTARTBDY	2C2	0
ECVT_ZOSR11_CPUMASKSIZEINBITS	3A0	80	ECVTCAL	9C	
ECVT_ZOSR11_CPUMASKSIZEINBYTES	3A0	10	ECVTCBLS	260	
ECVT_ZOSR11_HIGHESTCPUID	3A0	63	ECVTCDDYN	250	
ECVT_ZOSV2R1_CPUMASKSIZEINBITS	3A0	100	ECVTCEAB	348	
ECVT_ZOSV2R1_CPUMASKSIZEINBYTES	3A0	20	ECVTCEAT	348	80
ECVT_ZOSV2R1_HIGHESTCPUID	3A0	FF	ECVTCEME	1D4	
ECVTAES	170		ECVTCEMR	1D8	
ECVTALOC	3B	0	ECVTCENT	1C4	0
			ECVTCHSC	30	80
			ECVTCH1	340	
			ECVTCH2	344	
			ECVTCICB	224	
			ECVTCLNU	130	80
			ECVTCLON	108	4040
			ECVTCMPS	F8	
			ECVTCNZ	3A	0
			ECVTCPFRM	308	
			ECVTCPGCM	30C	
			ECVTCPGUM	304	
			ECVTCPLX	4	
			ECVTCRDT	288	

ECVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ECVTCRGR	210			2E4	
ECVTCRIT	2CC		ECVTMMIG_EDAT2		
ECVTCSM	C8			2E4	80
ECVTCSR	214		ECVTMMIG_RI	2E4	20
ECVTCSVT	E4		ECVTMMIG_TX	2E4	40
ECVTCTBL	CC		ECVTMSCH	98	
ECVTCTXR	20C		ECVTNTTP	8C	
ECVTCURX	208		ECVTNUCP	FC	
ECVTDGNB	14C		ECVTNVDM	B8	
ECVTDLCB	88		ECVTOCVT	F0	
ECVTDLPF	228		ECVTOESI	270	0
ECVTDLPL	22C		ECVTOEXT	F4	
ECVTDPOH	60		ECVTOMDA	34	
ECVTEAEX	1A4		ECVTOMVS	F0	80
ECVTEAUX	1A8		ECVTOSAI	280	0
ECVTECT	350		ECVTOSARX	2F0	
ECVTECVT	0	C5C3E5E3	ECVTOSARXH	2F0	0
ECVTEND	3A0		ECVTOSARXL	2F4	0
ECVTENVT	140		ECVTOXSB	274	0
ECVTEORM	258	0	ECVTPDVL	206	40
ECVTESTU	278		ECVTPEST	24C	
ECVTESYM	12C		ECVTPETM	138	
ECVTESY1	134		ECVTPHYSICALTOLOGICALMASK		
ECVTETPE	124			37A	0
ECVTETPT	13C		ECVTPIDN	238	40404040
ECVTEXPM	EC		ECVTPMAC	130	40
ECVTFACL	354		ECVTPMCR	D4	
ECVTFAIL	3B	40	ECVTPMCS	D0	
ECVTFCDA	254		ECVTPMOD	204	4040
ECVTFLGS	130		ECVTPNAM	1F0	40404040
ECVTFLG1	130	0	ECVTPOWN	1E0	40404040
ECVTGMOD	10A		ECVTPRED	1C0	
ECVTGNON	10A	0	ECVTPREL	202	4040
ECVTGRM	168		ECVTPSEQ	1DC	0
ECVTGRMP	C0		ECVTPTIM	11A	8
ECVTGRNG	10A	1	ECVTPVER	200	4040
ECVTGSTA	10A	2	ECVTPWVT	104	
ECVTGTZ	39C		ECVTQUCB	4C	
ECVTHDNM	150	40404040	ECVTRBUP	27C	
ECVTHIAB	364		ECVTREM1	218	
ECVTHP1	370	0	ECVTREM2	21C	
ECVTHWIP	368		ECVTRFPT	2C4	
ECVTHZRB	398		ECVTRINS	264	
ECVTHZRT	398	80	ECVTRMD	240	
ECVTIOSF	30		ECVTRMDP	240	
ECVTIOS1	30	0	ECVTRMDS	244	0
ECVTIOS2	31	0	ECVTRRMT	1BC	
ECVTIOS3	32	0	ECVTRRSW	1B4	
ECVTIOS4	33	0	ECVTRRTT	1B8	
ECVTIPA	188		ECVTRSMT	174	
ECVTIPST	1B0		ECVTRSU1	248	
ECVTJCCT	11C		ECVTR0BC	BC	0
ECVTLCXT	26C		ECVTR0B4	B4	0
ECVTLKAD	2BC		ECVTR038	38	0
ECVTLKLN	2B8	0	ECVTR058	58	0
ECVTLLOAD	A0	0	ECVTR07C	7C	
ECVTLOGICALTOPHYSICALMASK			ECVTR078	78	
	37C	0	ECVTR084	84	0
ECVTLPID	2A8	0	ECVTR10B	10B	0
ECVTLPNM	158	40404040	ECVTR2C3	2C3	0
ECVTL PUB	298	0	ECVTR28C	28C	0
ECVTL SAB	120		ECVTR284	284	0
ECVTL SEN	148		ECVTR35C	35C	0
ECVTL VID	2B0	0	ECVTR37F	37F	0
ECVTMAXMPNUMBYTESINMASK			ECVTR380	380	0
	378	0	ECVTSCF	330	
ECVTMLPR	A8	0	ECVTSCH	2C	
ECVTMMEA	1A0		ECVTSCHA	80	
ECVTMMEC	1AC		ECVTSCHPIN	36C	
ECVTMMEM	178	C9C5C1E5	ECVTSDC	360	
ECVTMMEQ	19C		ECVTSEIF	16C	
ECVTMMET	18C	0	ECVTSLCA	300	
ECVTMMIG	2E4		ECVTSRID	E0	0
ECVTMMIG_BYTE0			ECVTSPL	10	0

Name	Hex Offset	Hex Value
ECVTSPLQ	14	
ECVTSPLX	8	40404040
ECVTSRBJ	90	
ECVTSRBL	94	
ECVTSRBR	230	
ECVTSRBT	5C	
ECVTSSDD	50	
ECVTSSDF	50	
ECVTSSDS	54	0
ECVTSTCKSYNCREPLACED		
	37E	80
ECVTSTC1	18	
ECVTSTC2	1C	
ECVTSTC3	20	
ECVTSTC4	24	
ECVTSTC5	338	
ECVTSTC6	33C	
ECVTSTX1	D8	
ECVTSTX2	DC	
ECVTSYMT	128	
ECVTTABT	207	8
ECVTTATF	207	40
ECVTTCP	B0	
ECVTTCRE	64	
ECVTTEDS	2E0	
ECVTTEDSTORAGEBYTESALLOCATED		
	2D8	0
ECVTTEDVECTORTABLEADDR		
	2D0	0
ECVTTENC	32C	
ECVTTESF	207	20
ECVTTGMF	207	10
ECVTTSTH	334	
ECVTTTCA	268	
ECVTTTFL	207	0
ECVTTTRC	207	80
ECVTVMNM	160	40404040
ECVTVSER	144	0
ECVTWARN	3B	80
ECVTWLM	C4	
ECVTWTOV	3A	80
ECVTXCFG	68	0
ECVTXFR3	220	
ECVTXPCB	294	
ECVTXRAT	100	
ECVTXTSW	384	
ECVT4QV1	310	
ECVT4QV2	314	
ECVT4QV3	318	
ECVT4QV4	31C	
ECVT4QV5	320	
ECVT4QV6	324	
ECVT4QV7	328	

EDT Information

EDT Heading Information

Common Name: ELIGIBLE DEVICE TABLE MAPPING MACRO
Macro ID: IEFZB421
DSECT Name: EDTHDR
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: 'EDT'
 Offset: 0
 Length: 3
Storage Attributes: Subpool: 241
 Key: 1
 Residency: ANY
Size: Dependant on system configuration
Created by: IEFIBERC
Pointed to by: EDTLEDTP
Serialization: via EDTLACH macro
Function: THE ELIGIBLE DEVICE TABLE (EDT) IS USED BY DEVICE ALLOCATION TO ASSOCIATE UNIT DESCRIPTION INFORMATION WITH DEVICE TYPES AND DEVICES. IT IS ALSO USED TO DETERMINE THE GROUPS OF DEVICES FOR WHICH A PARTICULAR REQUEST IS ELIGIBLE. THE EDT IS CREATED BY THE MVSCP OR BY USING INFORMATION IN THE I/O DEFINITION FILE AT NIP TIME. THE INFORMATION IS USED TO CREATE SUBTABLES WHICH MAKE UP THE EDT. THE HEADER SECTION OF THE EDT CONTAINS POINTERS TO THE RESPECTIVE HEADERS OF EACH SUBTABLE.

EDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	168	EDTHDR	EDT Header Section
0	(0)	CHARACTER	3	EDTNAME	'EDT' IDENTIFIER
3	(3)	UNSIGNED	1	EDTLEVEL	EDT LEVEL
4	(4)	CHARACTER	8	EDTID	EDT ID
4	(4)	CHARACTER	6	EDTCBNAM	CONTROL BLOCK NAME FOR TABLE
10	(A)	CHARACTER	2	EDTIDNUM	THE VERSION ID FOR THE PARTICULAR EDT
12	(C)	CHARACTER	8	EDTDATE	EDT CREATE DATE
20	(14)	CHARACTER	5	EDTTIME	EDT CREATE TIME
25	(19)	BITSTRING	1	EDTFLAGS	EDT flags
		1...		EDTIODF	If set, the EDT was built at NIP time
		.1..		EDTGLINX	Group locking index
		..1.		EDTDLOCK	If set, Dynamic Configuration changes to the order of the Device Preference Table have created a potential deadlock situation for group locking
		...1 11..		EDTSTATE	EDT state flags. One of these will be set during an EDT transition (ACTUATE1, ACTUATE2, or BACKOUT). When an EDT transition is not in process, may be residual.
		...1		EDT_ORIGINAL	Original EDT
		.... 1...		EDT_INTERMEDIATE	Intermediate EDT
		.... .1..		EDT_FINAL	Final EDT
		.... ..11		*	Reserved
26	(1A)	UNSIGNED	1	EDTSP	EDT subpool
27	(1B)	UNSIGNED	1	EDTKEY	EDT storage key
28	(1C)	ADDRESS	4	EDTLUVSP	POINTER TO LOOK-UP-VALUE SECTION
32	(20)	ADDRESS	4	EDTGENSP	POINTER TO GENERIC SECTION
36	(24)	ADDRESS	4	EDTGRPSP	PTR TO GROUP SECTION
40	(28)	ADDRESS	4	EDTUCBSP	PTR TO DEVICE NUMBER SECTION
44	(2C)	ADDRESS	4	EDTMSKTP	PTR TO GROUP MASK TABLE
48	(30)	ADDRESS	4	EDTGRPPP	POINTER TO GROUP POINTER SECTION
52	(34)	ADDRESS	4	EDTPREFP	PTR TO PREFERENCE TABLE
56	(38)	ADDRESS	4	EDTTAPEP	PTR TO THE TAPE MAXIMUM ELIGIBILITY TABLE
60	(3C)	CHARACTER	0	EDTVERS3	Version 3 updates follow
60	(3C)	SIGNED	4	EDTLUVL	Length of LUVSECT
64	(40)	SIGNED	4	EDTGENL	Length of GENSECT
68	(44)	SIGNED	4	EDTGRPL	Length of GRPSECT
72	(48)	SIGNED	4	EDTUCBL	Length of EUCBSECT
76	(4C)	SIGNED	4	EDTMSKTL	Length of GRMSKTAB
80	(50)	SIGNED	4	EDTGRPPL	Length of GRPPSECT
84	(54)	SIGNED	4	EDTPREFL	Length of PREFTAB
88	(58)	SIGNED	4	EDTTAPEL	Length of TAPETAB
92	(5C)	ADDRESS	4	EDTLIBSP	Pointer to the Library Section

EDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
96	(60)	SIGNED	4	EDTLIBL	Length of LIBSECT
100	(64)	ADDRESS	4	EDTDPLSP	Pointer to the Device Pool Section
104	(68)	SIGNED	4	EDTDPLL	Length of DPLSECT
108	(6C)	ADDRESS	4	EDTUPLP	Pointer to UCB Pointer List (UPL)
112	(70)	SIGNED	4	EDTUPLL	Length of UPL
116	(74)	ADDRESS	4	EDTGMCTP	Pointer to Group Mask Conversion Table (GMCT)
120	(78)	SIGNED	4	EDTGMCTL	Length of GMCT
124	(7C)	ADDRESS	4	EDTCMPGP	Pointer to the Compatible Generic Section
128	(80)	SIGNED	4	EDTCMPGL	Length of CMPGSECT
132	(84)	SIGNED	2	EDTDEFAP	LUVTAB index for the "unit affinity ignored" default */
134	(86)	SIGNED	2	*	Reserved, available
136	(88)	CHARACTER	10	EDTDATE2	EDT Creation Date, in mm/dd/yyyy format. Should be referenced *only* if EDTLEVEL >= constant EDTSP430
146	(92)	CHARACTER	2	*	Reserved, get to word boundary.
148	(94)	CHARACTER	20	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	LUVSECT	
0	(0)	CHARACTER	16	LUVHDR	
0	(0)	CHARACTER	8	LUVHDRNM	SECTION HEADER NAME
8	(8)	SIGNED	4	LUVENTNO	NUMBER OF ENTRIES IN THIS SECTION
12	(C)	SIGNED	2	LUVFIRST	Index to the first generic/ esoteric Look-Up-Value
14	(E)	SIGNED	2	LUVPOOLF	Index to the first device pool Look-Up-Value
16	(10)	CHARACTER	52	LUVENTRY (*)	TABLE OF LOOKUP ENTRIES
16	(10)	CHARACTER	32	LUVVERS2	Version 2 LUV entry.
16	(10)	CHARACTER	8	UNITNAME	UNIT NAME - IN EBCDIC
24	(18)	CHARACTER	4	LUVALUE	LOOK-UP-VALUE FOR UNIT NAME
24	(18)	UNSIGNED	2	LUVTOKEN	Esoteric token value
24	(18)	CHARACTER	1	LUVMOD	LUV DEVICE MODEL
25	(19)	CHARACTER	1	LUVOPT	LUV DEVICE OPTION
26	(1A)	CHARACTER	1	LUVCLASS	LUV DEVICE CLASS
27	(1B)	CHARACTER	1	LUVTYPE	LUV DEVICE TYPE
28	(1C)	SIGNED	4	LUVGMTP	INDEX TO GROUP MASK TABLE ENTRY FOR THIS L-U-V
32	(20)	SIGNED	4	LUVAGMTP	INDEX TO ALTERNATE GROUP MASK TABLE ENTRY, IF ANY
36	(24)	SIGNED	4	LUVGENNO	NO. GENERICS ASSOCIATED WITH THIS L-U-V
40	(28)	BITSTRING	4	LUVFLAGS	INDICATOR FLAGS
		1...		LUVVAM	ELIGIBLE FOR VIO DATA SETS
		.1.		LUVAGMSK	AN ALTERNATE GROUP MASK PTR EXISTS IN THIS ENTRY
		..1.		LUVMGENS	ALLOCATION OF MULTIPLE GENERICS WITHIN THIS L-U-V IS VALID
		...1		LUVGENR	NAME IS A GENERIC
		.... 1...		LUVESOTR	NAME IS AN ESOTERIC
		.... .1.		LUVGENR	NAME IS A GENERATED GENERIC
		.... ..1.		LUVGESOT	NAME IS A GENERATED ESOTERIC
		.... ...1		LUVOVESO	INDICATES THIS IS A SYSTEM GENERATED OVERRIDING ESOTERIC WHEN SET.
41	(29)	1...		LUVPOOL	Name is a device pool
		.111 1111		*	Reserved
42	(2A)	BITSTRING	2	LUVAFFIX	AFFINITY INDEX
44	(2C)	SIGNED	2	LUVGENP	INDEX INTO FIRST GENERIC FOR THIS L-U-V
46	(2E)	SIGNED	2	LUVNXT	Index to the next Look-Up-Value section entry
48	(30)	CHARACTER	20	LUVVERS3	Version 3 updates follow.
48	(30)	SIGNED	4	LUVGRPNO	Total number of groups for this Look-Up-Value
52	(34)	SIGNED	4	LUVUCBNO	Total number of devices for this Look-Up-Value
56	(38)	SIGNED	4	LUVLIBIN	For a device pool, index of library's LIBSECT entry
60	(3C)	SIGNED	4	LUVCMPI	Count of compatible generics
64	(40)	SIGNED	4	LUVCMPI	Index of first compatible generic CMPGSECT entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GENSECT	
0	(0)	CHARACTER	12	GENHDR	GENERIC SECTION HEADER
0	(0)	CHARACTER	8	GENHDRNM	SECTION HEADER NAME
8	(8)	SIGNED	4	GENENTNO	NUMBER OF GENERIC ENTRIES
12	(C)	CHARACTER	16	GENENTRY (*)	TABLE OF GENRIC ENTRIES
12	(C)	CHARACTER	4	GENDEVT	GENERIC DEVICE TYPE
12	(C)	CHARACTER	1	GENMOD	GENERIC DEVICE MODEL
13	(D)	CHARACTER	1	GENOPT	GENERIC DEVICE OPTION
14	(E)	CHARACTER	1	GENCLASS	GENERIC DEVICE CLASS
15	(F)	CHARACTER	1	GENTYPE	GENERIC DEVICE TYPE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	SIGNED	4	GENGRPNO	Number of Groups for this Device Type.
20	(14)	UNSIGNED	4	GENGRPTR	Index to the first Group Pointer Section Entry (GRPTENTY) for this Generic.
24	(18)	SIGNED	2	GENNXTP	Index to the next entry in this section.
26	(1A)	CHARACTER	2	*	Not used and available.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GRPTSECT	GROUP POINTER SECTION IS ADDRESSABLE VIA THE PTR IN THE HEADER SECTION
0	(0)	CHARACTER	12	GRPTHDR	PRE-TABLE SECTION
0	(0)	CHARACTER	8	GRPTHDM	SECTION HEADER NAME
8	(8)	SIGNED	4	GRPTENNO	COUNT OF ENTRIES IN GROUP POINTER TABLE
12	(C)	CHARACTER	8	GRPTENTY (*)	Group Pointer Section entry.@L1A
12	(C)	UNSIGNED	4	GRPTR	Index to the first Group Section Entry.
16	(10)	UNSIGNED	4	GRPTNXTP	Index to the next entry in this section.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GRPSECT	
0	(0)	CHARACTER	12	GRPHDR	Group Section Header.
0	(0)	CHARACTER	8	GRPHDRNM	Section Header Name.
8	(8)	SIGNED	4	GRPENTNO	Number of entries in this section.
12	(C)	CHARACTER	16	GRPENTRY (*)	Table of Group entries.
12	(C)	UNSIGNED	4	GRPID	Group ID.
16	(10)	UNSIGNED	4	GRPUCBNO	Number of devices associated with this Group.
20	(14)	SIGNED	4	GRPUCBI	Index into the Device Number Section for this Group.
24	(18)	UNSIGNED	4	GRPNXTP	Index to the next Group entry.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	EUCBSECT	
0	(0)	CHARACTER	12	EUCBHDR	DEVICE NUMBER SECTION HEADER
0	(0)	CHARACTER	8	EUCHDRNM	SECTION HEADER NAME
8	(8)	SIGNED	4	EUCBENNO	NO. ENTRIES IN SECTION
12	(C)	CHARACTER	8	EUCBENTY (*)	TABLE OF DEVICE NUMBERS
12	(C)	CHARACTER	4	EUCBNAME	LIST OF DEVICE NUMBERS FOR EACH UNIT OF EACH GROUP
16	(10)	SIGNED	4	EUCBNXTP	INDEX OF NEXT ENTRY IN THE DEVICE NUMBER SECTION

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GRMSKTAB	
0	(0)	CHARACTER	16	GMTHDR	
0	(0)	CHARACTER	8	GMTHDRNM	SECTION HEADER NAME
8	(8)	SIGNED	4	GMTENTNO	NO. ENTRIES IN TABLE
12	(C)	SIGNED	4	GMTENTLN	LENGTH OF EACH ENTRY
16	(10)	CHARACTER	1	GMTTABLE (*)	LENGTH OF EACH ENTRY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GMTENTRY	Format of entry
0	(0)	CHARACTER	*	GRPMASK	BIT MASK. LENGTH OF MASK IS IN # OF BYTES AND IS GIVEN IN HDR OF THIS SECTION

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GMCTAB	Group Mask Conversion Table (GMCT)
0	(0)	CHARACTER	16	GMCTHDR	GMCT Header
0	(0)	CHARACTER	8	GMCTHDNM	Section header name
8	(8)	SIGNED	4	GMCTENNO	Number entries in table
12	(C)	SIGNED	4	GMCTENLN	Length of each entry
16	(10)	BITSTRING	1	GMCT (*)	Group Mask Conversion Table Array

EDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GMCTENT	Format of GMCT entry
0	(0)	CHARACTER	*	GMCTMASK	Bit Mask. Length of mask is in number of bytes and is given in the header of this section.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	PREFTAB	
0	(0)	CHARACTER	16	PREFHDR	PREFERENCE TABLE HEADER
0	(0)	CHARACTER	8	PREFHDNM	SECTION HEADER NAME
8	(8)	SIGNED	4	PREFENNO	NUMBER OF TABLE ENTRIES
12	(C)	SIGNED	2	PREFFRST	INDEX OF FIRST ENTRY
14	(E)	BITSTRING	1	PREFFLGS	PREF TABLE FLAG FIELD
		1...		PREF3480	3480 PREFERRED TO 3480X
15	(F)	CHARACTER	1	*	RESERVED
16	(10)	CHARACTER	10	PREFENT (*)	TABLE OF PREFERENCE ENTRIES
16	(10)	CHARACTER	8	PREFGEN	GENERIC NAME ENTRY
24	(18)	SIGNED	2	PREFNXTP	INDEX OF NEXT ENTRY IN TABLE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	TAPETAB	TAPE TABLE
0	(0)	CHARACTER	10	TAPEHDR	SECTION HEADER
0	(0)	CHARACTER	8	TAPHDRNM	SECTION HEADER NAME
8	(8)	UNSIGNED	2	TAPENTNO	NUMBER OF TAPE ENTRIES
10	(A)	CHARACTER	12	TAPENTRY (*)	TAPE TABLE ENTRY
10	(A)	CHARACTER	4	TAPEREQ	THE DEVICE TYPE ALLOCATED
14	(E)	BITSTRING	1	TAPEDEN	DENSITY OF DATASET
15	(F)	BITSTRING	1	TAPEMODE	COMPACTION MODE
16	(10)	CHARACTER	2	*	RESERVED
18	(12)	CHARACTER	4	TAPEMAX	DEVICE TYPE FOR MAXIMUM ELIGIBILITY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	LIBSECT	Library Section
0	(0)	CHARACTER	20	LIBHDR	Header
0	(0)	CHARACTER	8	LIBHDRNM	Control block identifier
8	(8)	SIGNED	4	LIBENTNO	Number of libraries
12	(C)	SIGNED	4	LIBFIRST	First library entry index
16	(10)	BITSTRING	1	LIBHDFLG	Configuration indicators
		1...		LIBGOTNM	Library names exist
		.111 1111		*	Reserved
17	(11)	CHARACTER	3	*	Reserved
20	(14)	CHARACTER	36	LIBENTRY (*)	Entry
20	(14)	SIGNED	4	LIBNEXTP	Next LIBSECT entry
24	(18)	CHARACTER	8	LIBNAME	Library name
32	(20)	CHARACTER	5	LIBID	Library identifier
37	(25)	BITSTRING	1	LIBENFLG	Library indicators
		1...		LIBATL	Automated library
		.1..		LIBMTL	Manual library
		..11 1111		*	Reserved
38	(26)	CHARACTER	2	*	Reserved
40	(28)	SIGNED	4	LIBDPLNO	Number of device pools
44	(2C)	SIGNED	4	LIBDPLIN	Index of first DPLSECT entry
48	(30)	CHARACTER	8	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DPLSECT	Device Pool Section
0	(0)	CHARACTER	20	DPLHDR	Header
0	(0)	CHARACTER	8	DPLHDRNM	Control block identifier
8	(8)	SIGNED	4	DPLENTNO	Number of device pools
12	(C)	SIGNED	4	DPLFIRST	First device pool entry index
16	(10)	CHARACTER	4	*	Reserved
20	(14)	CHARACTER	16	DPLENTRY (*)	Entry
20	(14)	SIGNED	4	DPLNEXTP	Next DPLSECT entry
24	(18)	SIGNED	4	DPLLUVIN	Associated LUVSECT entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	CHARACTER	8	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	CMPGSECT	Compatible Generics
0	(0)	CHARACTER	20	CMPGHDR	Header
0	(0)	CHARACTER	8	CMPGHDM	Control block identifier
8	(8)	SIGNED	4	CMPGENNO	Number of generics
12	(C)	SIGNED	4	CMPGFRST	First generic entry index
16	(10)	CHARACTER	4	*	Reserved
20	(14)	CHARACTER	16	CMPGENT (*)	Entry
20	(14)	SIGNED	4	CMPGNXTP	Next CMPGSECT entry
24	(18)	SIGNED	4	CMPGLUVI	Associated LUVSECT entry
28	(1C)	CHARACTER	8	*	Reserved

EDT Constants

Len	Type	Value	Name	Description
-----	------	-------	------	-------------

Comment

Constants

Note: EDTSPxxx level constants must always increase in value as code in IEFAB4WX and other places does LESS THAN or GREATER THAN tests for EDTLEVEL, to avoid having to be hit each time a new EDTSPxxx constant is defined.

End of Comment

3	CHARACTER	EDT		EDTLITRL	EDT ID FOR START OF TABLE
1	DECIMAL		2	EDTSP220	EDT Version number for SP220 - SP410
1	DECIMAL		3	EDTSP420	EDT Version number for SP420 (and above prior to Year 2000 work)
1	DECIMAL		4	EDTSP430	EDT Version number for SP430 and above with the Year 2000 work
1	DECIMAL		5	EDTZOS18	EDT Version number for z/OS 1.8 and above.
1	DECIMAL		0	EDTSUBP_WORK	EDT private subpool
1	DECIMAL		241	EDTSUBP	EDT common subpool
0	BIT	0		EDTGL1	Use global group lock 1
0	BIT	1		EDTGL2	Use global group lock 2

Comment

Declarations for the section names

End of Comment

6	CHARACTER	IEFEDT		EDTIEFNM	EDT Header
8	CHARACTER	LUVTAB		EDTLUVNM	LUV SECTION
8	CHARACTER	DEVTAB		EDTDEVNM	DEVICE NUMBER
8	CHARACTER	GENTAB		EDTGGENNM	GENERIC SECTION
8	CHARACTER	GRPTAB		EDTGRPNM	GROUP SECTION
8	CHARACTER	GPPTAB		EDTGPPNM	GROUP PTR SECT
8	CHARACTER	GMSTAB		EDTGMSNM	GROUP MASK SECT
8	CHARACTER	GMCTAB		EDTGMCNM	Group Mask Conversion Table section
8	CHARACTER	PREFTAB		EDTPRENM	PREFERENCE TAB
8	CHARACTER	TAPTAB		EDTTAPNM	TAPE TABLE
8	CHARACTER	LIBTAB		EDTLIBNM	Library Section
8	CHARACTER	DPLTAB		EDTDPLNM	Device Pool Section
8	CHARACTER	CMPGTAB		EDTCMGNM	Compatible Generic Section

EDT Cross Reference

EDT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMPGENNO	8		GENDEVT	C	
CMPGENT	14		GENENTNO	8	
CMPGFRST	C		GENENTRY	C	
CMPGHNDM	0		GENGRPNO	10	
CMPGHDR	0		GENGRPTR	14	
CMPGLUVI	18		GENHDR	0	
CMPGNXTP	14		GENHDRNM	0	
CMPGSECT	0		GENMOD	C	
DPLENTNO	8		GENNXTP	18	
DPLENTRY	14		GENOPT	D	
DPLFIRST	C		GENSECT	0	
DPLHDR	0		GENTYPE	F	
DPLHDRNM	0		GMCT	10	
DPLLUVIN	18		GMCTAB	0	
DPLNEXTP	14		GMCTENLN	C	
DPLSECT	0		GMCTENNO	8	
EDT_FINAL	19	04	GMCTENT	0	
EDT_INTERMEDIATE			GMCTHDNM	0	
	19	08	GMCTHDR	0	
EDT_ORIGINAL	19	10	GMCTMASK	0	
EDTCBNAM	4		GMTENTLN	C	
EDTCMPGL	80		GMTENTNO	8	
EDTCMPGP	7C		GMTENTRY	0	
EDTDATE	C		GMTHDR	0	
EDTDATE2	88		GMTHDRNM	0	
EDTDEFAP	84		GMTTABLE	10	
EDTDLOCK	19	20	GRMSKTAB	0	
EDTDPLL	68		GRPENTNO	8	
EDTDPLSP	64		GRPENTRY	C	
EDTFLAGS	19		GRPHDR	0	
EDTGENL	40		GRPHDRNM	0	
EDTGENSP	20		GRPID	C	
EDTGLINX	19	40	GRPMASK	0	
EDTGMCTL	78		GRPNXTP	18	
EDTGMCTP	74		GRPSECT	0	
EDTGRPL	44		GRPTENNO	8	
EDTGRPPL	50		GRPTENTY	C	
EDTGRPPP	30		GRPTHDNM	0	
EDTGRPSP	24		GRPTHDR	0	
EDTHDR	0		GRPTNXTP	10	
EDTID	4		GRPTR	C	
EDTIDNUM	A		GRPTSECT	0	
EDTIODF	19	80	GRPUCBI	14	
EDTKEY	1B		GRPUCBNO	10	
EDTLEVEL	3		LIBATL	25	80
EDTLIBL	60		LIBDPLIN	2C	
EDTLIBSP	5C		LIBDPLNO	28	
EDTLUVL	3C		LIBENFLG	25	
EDTLUVSP	1C		LIBENTNO	8	
EDTMSKTL	4C		LIBENTRY	14	
EDTMSKTP	2C		LIBFIRST	C	
EDTNAME	0		LIBGOTNM	10	80
EDTPREFL	54		LIBHDFLG	10	
EDTPREFP	34		LIBHDR	0	
EDTSP	1A		LIBHDRNM	0	
EDTSTATE	19	1C	LIBID	20	
EDTTAPEL	58		LIBMTL	25	40
EDTTAPEP	38		LIBNAME	18	
EDTTIME	14		LIBNEXTP	14	
EDTUCBL	48		LIBSECT	0	
EDTUCBSP	28		LUVAFFIX	2A	
EDTUPLL	70		LUVAGMSK	28	40
EDTUPLP	6C		LUVAGMTP	20	
EDTVERS3	3C		LUVALUE	18	
EUCBENNO	8		LUVCLASS	1A	
EUCBENTY	C		LUVCMPI	40	
EUCBHDR	0		LUVCMPIGN	3C	
EUCBNAME	C		LUVENTNO	8	
EUCBNXTP	10		LUVENTRY	10	
EUCBSECT	0		LUVESOTR	28	08
EUCHDRNM	0		LUVFIRST	C	
GENCLASS	E		LUVFLAGS	28	

Name	Hex Offset	Hex Value
LUVGENNO	24	
LUVGENP	2C	
LUVGENR	28	10
LUVGESOT	28	02
LUVGGENR	28	04
LUVGMTP	1C	
LUVGRPNO	30	
LUVHDR	0	
LUVHDRNM	0	
LUVLIBIN	38	
LUVMGENS	28	20
LUVMOD	18	
LUVNXTTP	2E	
LUVOPT	19	
LUVOVESO	28	01
LUVPOOL	29	80
LUVPOOLF	E	
LUVSECT	0	
LUVTOKEN	18	
LUVTYPE	1B	
LUVUCBNO	34	
LUVVAM	28	80
LUVVERS2	10	
LUVVERS3	30	
PREFENNO	8	
PREFENT	10	
PREFFLGS	E	
PREFFRST	C	
PREFGEN	10	
PREFHDNM	0	
PREFHDR	0	
PREFNXTTP	18	
PREFTAB	0	
PREF3480	E	80
TAPEDEN	E	
TAPEHDR	0	
TAPEMAX	12	
TAPEMODE	F	
TAPENTNO	8	
TAPENTRY	A	
TAPEREQ	A	
TAPETAB	0	
TAPHDRNM	0	
UNITNAME	10	

EED Information

EED Heading Information

Common Name: RTM1 Work Area
Macro ID: IHART1W
DSECT Name: RT1W, RT1TRACK, RT1TRECC, RTMW
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: none
Storage Attributes: Subpool: 239 or in PSA
 Key: 0
 Residency: ABOVE OR BELOW THE 16M LINE
Size: 192 bytes for RT1W
 464 bytes for RT1X
Created by: IEAVNIP0 or IEEVCPU
Pointed to by: FRRSRTMA field of the FRRS data area
Serialization: RTM1 INTERNAL SERIALIZATION
Function: The RT1W is used to describe the current error condition and to provide an internal work area for the RTM1 subfunctions.

EED Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	856	ETAB	ETAB based on RTCTEEDA
0	(0)	CHARACTER	4	ETABID	ETAB identifier
4	(4)	CHARACTER	4	*	Reserved field
8	(8)	CHARACTER	8	ETABENTR (4294967402:562163072)	Main part of ETAB
8	(8)	ADDRESS	4	ETABEED	Pointer to hold EED address
12	(C)	ADDRESS	4	ETABASCB	Pointer to the EED's address space control block

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	760	EED	Extended error descriptor
0	(0)	ADDRESS	4	EEDFWRDP	Pointer to next EED on chain or zero
4	(4)	CHARACTER	4	EEDDES	Description of EED contents
4	(4)	CHARACTER	1	EEDID	Type of information in EED
5	(5)	CHARACTER	1	EEDFLAGS	Flags describing information in EEDs
		1..		EEDERFL	On means that the errorid is supplied in this EED
		..1.		EEDSPI	On means this EED is part of an SPI control block (not from the EED pool)
		..1.		EEDSRBTP	On means this EED was created for SRB-to-TASK percolation processing
		...1		EEDHWDP	On means this EED contains hardware data information
		.... 1..		EEDSKIP	Skip this EED. This flag is set only for DUMPXTYP type EEDs. The data space storage ranges were not accessible, and thus the EED is empty and should be skipped.
		.... ..1..		EEDGETM	On means that this EED was getmained from subpool 213 (private dref above the line, owned by the task to which it was queued)
		.... ..11		*	Reserved
6	(6)	CHARACTER	1	EEDFLAG2	Flags to pass from RTM1 to RTM2 indicators set by SLIP
		1..		EEDNOSUP	Used to communicate the SLIP request to dump suppression not to suppress dumps
		..1.		EEDNODMP	Used to communicate dump suppression by SLIP from RTM1 to RTM2
		..1.		EEDRCRD	Used to communicate SLIP indication of recording from RTM1 to RTM2
		...1		*	Reserved
		.... 1..		EEDNOSVD	Used to communicate dump suppression of SVCDUMPs by SLIP from RTM1 to RTM2
		.... ..1..		EEDNOSYA	Used to communicate dump suppression of SYSABEND dumps by SLIP from RTM1 to RTM2
		.... ..1.		EEDNOSYM	Used to communicate dump suppression of SYSMDUMPS by SLIP from RTM1 to RTM2
		.... ...1		EEDNOSYU	Used to communicate dump suppression of SYSUDUMPs by SLIP from RTM1 to RTM2
7	(7)	CHARACTER	1	*	Reserved
8	(8)	CHARACTER	4	EEDERROR	Description of the error which necessitated EEDs
8	(8)	UNSIGNED	1	EEDMODE	System mode at time of error
9	(9)	CHARACTER	1	EEDERTYP	Entry point used by RTM1
10	(A)	SIGNED	2	EEDASID	ASID of originating memory in cross memory abends
12	(C)	ADDRESS	4	EEDTCB	Address of the TCB that owns this EED if it was getmained. Only valid if EEDGETM is on.
16	(10)	CHARACTER	4	*	Reserved

EED Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	CHARACTER	740	EEDVARBL	Variable part of EED, mapped separately below
Comment					
REGSPTYP EED-- THIS EED CONTAINS REGISTERS, PSW, AND CROSS MEMORY INFORMATION AT THE TIME OF ERROR ORIGINAL ERROR DATA, AND IF EEDERFL IS ON, IT CONTAINS AN ERRORID AND AN EXIT ROUTINE COMMUNICATION BUFFER.					
End of Comment					
20	(14)	CHARACTER	740	EEDREGSP	This is the basic RTM1 to RTM2 information EED which contains general purpose registers, access registers, control registers PSW, error id and various other error related information
20	(14)	CHARACTER	64	EEDREGS	General purpose Registers at time of error
20	(14)	ADDRESS	4	EEDREG0	Register 0
24	(18)	ADDRESS	4	EEDREG1	Register 1
28	(1C)	ADDRESS	4	EEDREG2	Register 2
32	(20)	ADDRESS	4	EEDREG3	Register 3
36	(24)	ADDRESS	4	EEDREG4	Register 4
40	(28)	ADDRESS	4	EEDREG5	Register 5
44	(2C)	ADDRESS	4	EEDREG6	Register 6
48	(30)	ADDRESS	4	EEDREG7	Register 7
52	(34)	ADDRESS	4	EEDREG8	Register 8
56	(38)	ADDRESS	4	EEDREG9	Register 9
60	(3C)	ADDRESS	4	EEDREG10	Register 10
64	(40)	ADDRESS	4	EEDREG11	Register 11
68	(44)	ADDRESS	4	EEDREG12	Register 12
72	(48)	ADDRESS	4	EEDREG13	Register 13
76	(4C)	ADDRESS	4	EEDREG14	Register 14
80	(50)	ADDRESS	4	EEDREG15	Register 15
84	(54)	CHARACTER	64	EEDAREGS	Access registers at time of error
84	(54)	ADDRESS	4	EEDARE0	Access Register 0
88	(58)	ADDRESS	4	EEDARE1	Access Register 1
92	(5C)	ADDRESS	4	EEDARE2	Access Register 2
96	(60)	ADDRESS	4	EEDARE3	Access Register 3
100	(64)	ADDRESS	4	EEDARE4	Access Register 4
104	(68)	ADDRESS	4	EEDARE5	Access Register 5
108	(6C)	ADDRESS	4	EEDARE6	Access Register 6
112	(70)	ADDRESS	4	EEDARE7	Access Register 7
116	(74)	ADDRESS	4	EEDARE8	Access Register 8
120	(78)	ADDRESS	4	EEDARE9	Access Register 9
124	(7C)	ADDRESS	4	EEDAREA	Access Register 10
128	(80)	ADDRESS	4	EEDAREB	Access Register 11
132	(84)	ADDRESS	4	EEDAREC	Access Register 12
136	(88)	ADDRESS	4	EEDARED	Access Register 13
140	(8C)	ADDRESS	4	EEDAREE	Access Register 14
144	(90)	ADDRESS	4	EEDAREF	Access Register 15
148	(94)	CHARACTER	16	EEDPSW16	PSW, analog of EEDPSW
164	(A4)	CHARACTER	4	EEDHLHI	Copy of SDWAHLHI
168	(A8)	CHARACTER	4	EEDSUPR	Copy of SDWASUPR
172	(AC)	CHARACTER	4	EEDSPN	Copy of SDWASPN
176	(B0)	CHARACTER	4	EEDCLSE	Copy of SDWACLSE
180	(B4)	CHARACTER	32	*	Reserved / available
212	(D4)	CHARACTER	16	EEDPSW	EC mode PSW + ILC int code and translation address
212	(D4)	CHARACTER	8	EEDPSW1	First half of PSW
212	(D4)	SIGNED	4	EEDPSWMK	System and prog mask
216	(D8)	ADDRESS	4	EEDPSWIC	Instruction counter
220	(DC)	CHARACTER	8	EEDPSW2	Second half of PSW
220	(DC)	SIGNED	4	EEDINILC	Interp code and ILC
220	(DC)	CHARACTER	1	*	Always set to zero
221	(DD)	UNSIGNED	1	EEDILC	Instruction len counter - the number of bytes to subtract from the IC to get last instruction executed
222	(DE)	UNSIGNED	2	EEDINTCD	Interrupt code
224	(E0)	ADDRESS	4	EEDTRANS	Translation exception addr
224	(E0)	BITSTRING	1	EEDTRNS0	Byte 0
225	(E1)	BITSTRING	1	EEDTRNS1	Byte 1
226	(E2)	BITSTRING	1	EEDTRNS2	Byte 2
227	(E3)	BITSTRING	1	EEDTRNS3	Byte 3
		1111 1...		*	
		.... .1..		EEDSOPI	When on for PIC 4, EEDTRANS contains TEA
		.... ..11		*	
228	(E4)	CHARACTER	10	EEDERRID	Errorid
228	(E4)	CHARACTER	2	EEDESEQ#	Sequence number
230	(E6)	UNSIGNED	2	EEDECPUI	CPU id

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
232	(E8)	CHARACTER	2	EEDEASID	ASID
234	(EA)	CHARACTER	4	EEDETIME	Time stamp
238	(EE)	CHARACTER	1	EEDRFLGS	Flags for REGSPTYP EED
		1... ..		EEDTEAV	If on, indicates EEDTRANS contains valid address
		.1.		EEDTEIV	If on, indicates EEDTRANS contains valid ASID
		..1.		EEDTEPC	If on, indicates EEDTRANS contains valid PC#
		...1 111.		*	Reserved
		.... ..1		EEDRELEASECODEVALID	Copy of SdwaReleaseCodeValid
239	(EF)	CHARACTER	1	EEDMISC	Misc RTM1->RTM2 info
		1... ..		EEDEAS	SDWAEAS was on in RTM1
240	(F0)	ADDRESS	4	EEDLLSR	The linkage stack register value obtained by RTM1 from the last FRR entry processed during RTM1 FRR processing
244	(F4)	CHARACTER	64	EEDDUCT	Contents of the DUCT control area at time of error
308	(134)	UNSIGNED	1	EEDTEAR	Translation exception address access register number
309	(135)	CHARACTER	3	EEDRLCD	Saved copy of SdwaReleaseCode
309	(135)	CHARACTER	3	EEDRELEASECODE	Saved copy of SdwaReleaseCode
312	(138)	CHARACTER	12	*	Reserved
324	(144)	CHARACTER	8	EEDBEA	Breaking event address

Comment

SDWA error information

End of Comment

332	(14C)	CHARACTER	28	EEDSDWA	These fields are used for SRB-to-TASK percolation and for FRR to ESTAE (RTM1 to RTM2) percolation.
332	(14C)	CHARACTER	12	EEDFAIN	Saved copy of SDWAFAIN
344	(158)	ADDRESS	4	EEDASCB	Saved copy of SDWAASCB
348	(15C)	ADDRESS	4	EEDASST	Saved copy of SDWAASST
352	(160)	CHARACTER	8	EEDCCRC	Structure for next 2 words
352	(160)	CHARACTER	4	EEDSABC	Saved copy of SDWASABC
352	(160)	CHARACTER	1	EEDOABF	Saved copy of SDWAOABF
		1111 1...		*	Reserved
		.... .1..		EEDORCF	Saved copy of SDWAORCF
		.... ..11		*	Reserved
353	(161)	CHARACTER	3	EEDOCMP	Saved copy of SDWAOCMP
356	(164)	CHARACTER	4	EEDOCRC	Saved copy of SDWAOCRC
360	(168)	CHARACTER	8	EEDCOMU	FRR to ESTAE communication buffer (from SDWACOMU)

Comment

Hardware repair status information

End of Comment

368	(170)	CHARACTER	44	EEDHWREP	Hardware repair status information
368	(170)	CHARACTER	28	EEDHWR	Part 1 of EEDHWREP
368	(170)	ADDRESS	4	EEDHSCKB	Starting virt adr of stor ck
372	(174)	ADDRESS	4	EEDHSCKE	Ending virt addr of stor ck
376	(178)	UNSIGNED	1	EEDHMCHS	RTM1 software status flags
		1... ..		EEDHSRVL	Storage ranges and RFSA valid
		.1.		EEDHRCDF	MCH rcrd not recorded
		..1.		EEDHTSVL	Time stamp is valid
		...1		EEDINVP	Storage reconfigured page invalidated
		.... 1...		EEDRSRC	Storage reconfiguration status is available
		.... .1..		EEDHRSRF	Storage reconfiguration not attempted
		.... ..1.		EEDHVRIV	On, indicates vector registers are unpredictable
		.... ..1		EEDHARGU	On, indicates access registers are unpredictable
377	(179)	UNSIGNED	1	EEDHMCHD	RTM1 machine check data
		1... ..		EEDHSKYF	Storage key failure
		.1.		EEDHREGU	Registers unpredictable
		..1.		EEDHPSWU	PSW unpredictable
		...1		EEDHSCK	Storage data chk
		.... 1...		EEDHACR	ACR in progress
		.... .1..		EEDHINSF	Instruction failure
		.... ..1.		EEDHSOFT	Soft error
		.... ..1		EEDHTERR	Timer error
378	(17A)	SIGNED	2	EEDHCPID	CPU addr of dead CPU - ACR
380	(17C)	ADDRESS	2	EEDHRSRS	Storage reconfig status bytes
380	(17C)	UNSIGNED	1	EEDHRSR1	Storage reconfig status 1
		11..		*	Reserved
		..1.		EEDHPREF	Preferred frame

EED Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		EEDHVR CN	V = R candidate - can go offline
		.... 1...		EEDHNSWP	Long-term non-swappable address space
		.... .1..		EEDHNSWA	Non-swappable address space
		.... ..1.		EEDHM SER	Stor err already set in frame
		.... ...1		EEDHCHNG	Frame had chang indicator on
381	(17D)	UNSIGNED	1	EEDHRSR2	Storage reconfig status 2
		1...		EEDHOFLN	Frame offlin or sched offlin
		.1..		EEDHINTC	Intercept-frame is scheduled offline, either storage err or V=R ind also on
		..1.		EEDHSPER	Perm err occurs in frame
		...1		EEDHNUCL	Frame contains permanent resident system storage
		.... 1...		EEDHFSQA	Frame in use for SQA
		.... .1..		EEDHFLSQ	Frame in use for LSQA
		.... ..1.		EEDHPGFX	Frame contains PGFIXED data
		.... ...1		EEDHVERQ	Frame in use for V = R
382	(17E)	UNSIGNED	1	EEDHMCHO	Other MCH flags
		1...		EEDH SKPR	Skip recording requested by MCH
		.111 1111		*	Reserved
383	(17F)	CHARACTER	1	*	Reserved
384	(180)	ADDRESS	4	EEDHRFSA	Real failing storage addr
388	(184)	CHARACTER	8	EEDHTIME	Timestamp of MCH record
396	(18C)	CHARACTER	16	EEDIOMA	I/O mach check additional data
396	(18C)	CHARACTER	8	EEDHRFSE	ESAME FSA
396	(18C)	ADDRESS	4	EEDHRFSH	ESAME FSA high
400	(190)	ADDRESS	4	EEDHRFSL	ESAME FSA low
404	(194)	CHARACTER	8	EEDMCIC	Machine check interrupt code
412	(19C)	CHARACTER	64	EEDG64H	High order halves of GPRs 0-15 at time of error
476	(1DC)	CHARACTER	4	*	Reserved
480	(1E0)	CHARACTER	128	EEDC64S	ESAME CRs
480	(1E0)	CHARACTER	8	EEDC640	ESAME CR0
488	(1E8)	CHARACTER	8	EEDC641	ESAME CR1
496	(1F0)	CHARACTER	8	EEDC642	ESAME CR2
496	(1F0)	CHARACTER	4	EEDC642H	High half
500	(1F4)	CHARACTER	4	EEDC642L	High half
504	(1F8)	CHARACTER	16	EEDC64_XM	ESAME CR3/CR4
504	(1F8)	CHARACTER	16	EEDXM	ESAME CR3/CR4
504	(1F8)	CHARACTER	8	EEDC643	ESAME CR3
512	(200)	CHARACTER	8	EEDC644	ESAME CR4
520	(208)	CHARACTER	8	EEDC645	ESAME CR5
528	(210)	CHARACTER	8	EEDC646	ESAME CR6
536	(218)	CHARACTER	8	EEDC647	ESAME CR7
544	(220)	CHARACTER	8	EEDC648	ESAME CR8
544	(220)	CHARACTER	4	*	
548	(224)	CHARACTER	2	EEDC648_EAX	EAX
550	(226)	CHARACTER	2	*	
552	(228)	CHARACTER	8	EEDC649	ESAME CR9
560	(230)	CHARACTER	8	EEDC64A	ESAME CRA
568	(238)	CHARACTER	8	EEDC64B	ESAME CRB
576	(240)	CHARACTER	8	EEDC64C	ESAME CRC
584	(248)	CHARACTER	8	EEDC64D	ESAME CRD
592	(250)	CHARACTER	8	EEDC64E	ESAME CRE
600	(258)	CHARACTER	8	EEDC64F	ESAME CRF
600	(258)	CHARACTER	4	EEDC64FH	High half
604	(25C)	CHARACTER	4	EEDC64FL	Low half
608	(260)	CHARACTER	8	EEDTRNE	8-byte TEA
616	(268)	CHARACTER	64	EEDTXG64H	Time of transaction high
680	(2A8)	CHARACTER	64	EEDTXG64L	Time of transaction regs
744	(2E8)	CHARACTER	16	EEDTXPSW16	Time of transaction PSW

Comment

If adding field(s) moves beyond the next 256-byte multiple,
 update RTMEED (GET) to clear that additional area,
 recompile all users of RTMEED (GET), and also manually update
 IEAVTRTM which manipulates the EED piece by piece

End of Comment

Comment

DUMPOTYP EED--DUMP OPTIONS

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	CHARACTER	460	EEDDUMPO	The length of this area is dependent on the format of the SNAP parameter list and the SDWA starting at label SDWADUMP
20	(14)	CHARACTER	8	EEDSCDMP	Dump parameters common to the SNAP and SDWA mappings
20	(14)	CHARACTER	4	EEDSDUMP	Dump characteristics
24	(18)	CHARACTER	4	EEDSDDAT	SDATA/PDATA options
24	(18)	BITSTRING	2	EEDSSDAT	Dump system data
26	(1A)	BITSTRING	2	EEDSPDAT	Dump prob prog data
28	(1C)	CHARACTER	240	EEDSDPSL	Dump storage lists
28	(1C)	CHARACTER	8	EEDRGS	30 Ranges (4294967326:562157560)
268	(10C)	CHARACTER	16	EEDSPLS	
268	(10C)	SIGNED	2	EEDSPLN	Number of subpools
270	(10E)	CHARACTER	14	EEDSPID	Up to 7 subpool ids

Comment

DUMPXTYP EED - Data Space Storage Ranges

End of Comment

20	(14)	CHARACTER	240	EEDDUMPX	EED for data space storage ranges (up to 15)
20	(14)	CHARACTER	240	EEDDXSL	Data space storage range list
20	(14)	CHARACTER	16	EEDDXSR	Dump storage range (4294967311:562160304)
20	(14)	ADDRESS	4	EEDDXBEG	Start address of range
24	(18)	ADDRESS	4	EEDDXEND	End address of range
		1... ..		EEDDXLE	Bit indicating end of list
28	(1C)	CHARACTER	8	EEDDXSTK	Stoken for range

EED Constants

Len	Type	Value	Name	Description
2	DECIMAL	106	ETAB#ENT	Make constant the number of entries in ETAB. This is used when allocating the cpool of EEDs.

Comment

CONSTANTS USED WITH THE EEDID AND TCBRTM12 FIELDS

End of Comment

4	DECIMAL	1	EEDNULL	THE TCBRTM12 FIELD IS SET TO THIS VALUE IF AN EED COULD NOT BE OBTAINED
1	DECIMAL	1	ERRORTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	1	REGSP TYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	2	DUMPOTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDDUMPO
1	DECIMAL	3	DUMPXTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDDUMPX
1	DECIMAL	1	HWREPTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	1	SDWATYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP
1	DECIMAL	1	ORIGDTYP	INDICATES THE EEDVARBL FIELD IS MAPPED BY EEDREGSP

Comment

CONSTANT USED TO DEFINE SIZE OF STANDARD EED AREA

End of Comment

2	DECIMAL	20	EEDBASE	DEFINES LENGTH OF THE FIXED PORTION OF THE EED
4	DECIMAL	213	EEDSUBP	Subpool for getmained EEDs - fetch-protected DREF private, to be owned by the target task

Comment

End of PL/X Source

End of Comment

4	DECIMAL	304	RT1WFWLN	Size of FRR work area
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EED Cross Reference

EED Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EED	0		EEDG64H	19C	
EEDAREA	7C		EEDHACR	179	08
EEDAREB	80		EEDHARGU	178	01
EEDAREC	84		EEDHCHNG	17C	01
EEDARED	88		EEDHCPID	17A	
EEDAREE	8C		EEDHFLSQ	17D	04
EEDAREF	90		EEDHFSQA	17D	08
EEDAREGS	54		EEDHINSF	179	04
EEDARE0	54		EEDHINTC	17D	40
EEDARE1	58		EEDHLHI	A4	
EEDARE2	5C		EEDHMCHD	179	
EEDARE3	60		EEDHMCHO	17E	
EEDARE4	64		EEDHMCHS	178	
EEDARE5	68		EEDHMSER	17C	02
EEDARE6	6C		EEDHNSWA	17C	04
EEDARE7	70		EEDHNSWP	17C	08
EEDARE8	74		EEDHNUCL	17D	10
EEDARE9	78		EEDHOFLN	17D	80
EEDASCB	158		EEDHPGFX	17D	02
EEDASID	A		EEDHPREF	17C	20
EEDASST	15C		EEDHPSWU	179	20
EEDBEA	144		EEDHRCDF	178	40
EEDCCRC	160		EEDHREGU	179	40
EEDCLSE	B0		EEDHRFSA	180	
EEDCOMU	168		EEDHRFSE	18C	
EEDC64_XM	1F8		EEDHRFSE	18C	
EEDC64A	230		EEDHRFSL	190	
EEDC64B	238		EEDHRSRF	178	04
EEDC64C	240		EEDHRSRS	17C	
EEDC64D	248		EEDHRSR1	17C	
EEDC64E	250		EEDHRSR2	17D	
EEDC64F	258		EEDHSCK	179	10
EEDC64FH	258		EEDHSCKB	170	
EEDC64FL	25C		EEDHSCKE	174	
EEDC64S	1E0		EEDHSPER	17E	80
EEDC640	1E0		EEDHSPER	179	80
EEDC641	1E8		EEDHSOFT	179	02
EEDC642	1F0		EEDHSPER	17D	20
EEDC642H	1F0		EEDHSRVL	178	80
EEDC642L	1F4		EEDHTERR	179	01
EEDC643	1F8		EEDHTIME	184	
EEDC644	200		EEDHTSVL	178	20
EEDC645	208		EEDHVERQ	17D	01
EEDC646	210		EEDHVRCN	17C	10
EEDC647	218		EEDHVTRV	178	02
EEDC648	220		EEDHWDP	5	10
EEDC648_EAX	224		EEDHWR	170	
EEDC649	228		EEDHWREP	170	
EEDDES	4		EEDID	4	
EEDDUCT	F4		EEDILC	DD	
EEDDUMPO	14		EEDINILC	DC	
EEDDUMPX	14		EEDINTCD	DE	
EEDDXBEG	14		EEDINVP	178	10
EEDDXEND	18		EEDIOMA	18C	
EEDDXLE	18	80	EEDLLSR	F0	
EEDDXSL	14		EEDMCIC	194	
EEDDXSR	14		EEDMISC	EF	
EEDDXSTK	1C		EEDMODE	8	
EEDEAS	EF	80	EEDNODMP	6	40
EEDEASID	E8		EEDNOSUP	6	80
EEDECPUI	E6		EEDNOSVD	6	08
EEDERFL	5	80	EEDNOSYA	6	04
EEDERRID	E4		EEDNOSYM	6	02
EEDERROR	8		EEDNOSYU	6	01
EEDERTYP	9		EEDOABF	160	
EEDESEQ#	E4		EEDOCMP	161	
EEDETIME	EA		EEDOCRC	164	
EEDFAIN	14C		EEDORCF	160	04
EEDFLAGS	5		EEDPSW	D4	
EEDFLAG2	6		EEDPSWIC	D8	
EEDFWRDP	0		EEDPSWMK	D4	
EEDGETM	5	04	EEDPSW1	D4	

Name	Hex Offset	Hex Value
EEDPSW16	94	
EEDPSW2	DC	
EEDRCRD	6	20
EEDREGS	14	
EEDREGSP	14	
EEDREG0	14	
EEDREG1	18	
EEDREG10	3C	
EEDREG11	40	
EEDREG12	44	
EEDREG13	48	
EEDREG14	4C	
EEDREG15	50	
EEDREG2	1C	
EEDREG3	20	
EEDREG4	24	
EEDREG5	28	
EEDREG6	2C	
EEDREG7	30	
EEDREG8	34	
EEDREG9	38	
EEDRELEASECODE		
	135	
EEDRELEASECODEVALID		
	EE	01
EEDRFLGS	EE	
EEDRGS	1C	
EEDRLCD	135	
EEDRSRC	178	08
EEDSABC	160	
EEDSCDMP	14	
EEDSDDAT	18	
EEDSDPSL	1C	
EEDSDUMP	14	
EEDSDWA	14C	
EEDSKIP	5	08
EEDSOPI	E3	04
EEDSPDAT	1A	
EEDSPI	5	40
EEDSPID	10E	
EEDSPLN	10C	
EEDSPLS	10C	
EEDSPN	AC	
EEDSRBTP	5	20
EEDSSDAT	18	
EEDSUPR	A8	
EEDTCB	C	
EEDTEAR	134	
EEDTEAV	EE	80
EEDTEIV	EE	40
EEDTEPC	EE	20
EEDTRANS	E0	
EEDTRNE	260	
EEDTRNS0	E0	
EEDTRNS1	E1	
EEDTRNS2	E2	
EEDTRNS3	E3	
EEDTXG64H	268	
EEDTXG64L	2A8	
EEDTXPSW16	2E8	
EEDVARBL	14	
EEDXM	1F8	
ETAB	0	
ETABASCB	C	
ETABEED	8	
ETABENTR	8	
ETABID	0	

EMPARMS Information

EMPARMS Programming Interface information

Programming Interface information

EMPARMS

End of Programming Interface information

EMPARMS Heading Information • EMPARMS Map

EMPARMS Heading Information

Common Name: Dynamic Allocation Error Message Processor Parameter List
Macro ID: IEFZB476
DSECT Name: EMPARMS, EMBUFS, EMABUFFS, EMWTDERT
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller's subpool
 Key: Caller's key
 Residency: Any
Size: 24 bytes
Created by: IEFDB400
 User program invoking Dynamic Allocation
 Error Message Routine
Pointed to by: Passed as a parameter. On entry to IEFDB476,
 register 1 contains the address of a pointer
 to it.
Serialization: None
Function: Parameter list for the Dynamic Allocation Error
 Message Processor (IEFDB476).

EMPARMS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EMDSECT1	Parameter list to IEFDB476
0	(0)	SIGNED	4	(0)	
0	(0)	X'0'	0	EMPARMS	*** Parameter list to IEFDB476
0	(0)	BITSTRING	1	EMFUNCT	Function indicator flags
		1... ..		EMPUTLIN	"B'10000000" ON for message output via PUTLINE
		.1.		EMWTP	"B'01000000" ON if the caller wants a Write To Programmer (WTO)
		..1.		EMRETURN	"B'00100000" ON if the caller wants message text returned in buffers
		...1		EMKEEP	"B'00010000" ON if caller wants to keep message blocks anchored to the SVC 99 RB extension
		.... 1...		EMWTPCDE	"B'00001000" DESC & ROUTCDE codes are included
1	(1)	BITSTRING	1	EMIDNUM	Caller identifier number
2	(2)	BITSTRING	1	EMNMSGBK	Number of messages to be extracted
3	(3)	BITSTRING	1	EMRSV02	Reserved
4	(4)	ADDRESS	4	EMS99RBP	Address of the failing SVC 99 request block for SVC 99 errors
4	(4)	X'4'	0	EMDAPLP	"EMS99RBP" Address of the failing DAIR parameter list for DAIR errors
8	(8)	SIGNED	4	EMRETCOD	The SVC 99 or the DAIR reg 15 return code
12	(C)	ADDRESS	4	EMCPPLP	Address of the CPPL This is needed only when IEFDB476 is called with an SVC 99 error and message output via a PUTLINE is requested
16	(10)	ADDRESS	4	EMBUFP	Address of message buffers if message buffers are to be returned
20	(14)	BITSTRING	4	EMRSV03	Reserved
24	(18)	ADDRESS	4	EMWTPCDE	When EmWtpCde is set, this is the address of the descriptor & route codes mapped by EMWTDERT
24	(18)	X'1C'	0	EMLen1	"*-EMPARMS"

Comment

Map of the descriptor and route codes

End of Comment

28	(1C)	BITSTRING	18	EMWTDERT (0)	Descriptor & route codes of caller
28	(1C)	BITSTRING	2	EMWTDESC	WTO Descriptor codes
30	(1E)	BITSTRING	16	EMWTRTCD	WTO Routing codes

Comment

Map of the return message buffer area

End of Comment

48	(30)	SIGNED	4	EMBUFS (0)	(Need not initialize)
48	(30)	X'30'	0	EMBUF1	*** First extract buffer
48	(30)	BITSTRING	2	EMBUFL1	Length of area used in EMBUF1
50	(32)	BITSTRING	2	EMBUFO1	Offset is zero on return
52	(34)	CHARACTER	251	EMBUFT1	Text of first level message
304	(130)	SIGNED	2	EMBUF2 (0)	Second extract buffer
304	(130)	BITSTRING	2	EMBUFL2	Length of area used in EMBUF2
306	(132)	BITSTRING	2	EMBUFO2	Offset is zero on return
308	(134)	CHARACTER	251	EMBUFT2	Text of second level message
308	(134)	X'1F'	0	EMLen2	"*-EMBUFS" Length of buffer parameters

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EMDSECT3	
0	(0)	CHARACTER	256	EMABUFFS (0)	
0	(0)	CHARACTER	255	EMABUFF	
0	(0)	BITSTRING	2	EMABUFLN	
2	(2)	BITSTRING	2	EMABUFOF	
4	(4)	CHARACTER	251	EMABUFTX	
255	(FF)	CHARACTER	1		
255	(FF)	X'100'	0	EMLEN3	"*-EMABUFFS" Length of array element

Comment

Valid Caller Identification Numbers

End of Comment

255	(FF)	X'32'	0	EMSVC99	"50" General caller with an SVC 99 error
255	(FF)	X'33'	0	EMFREE	"51" Free command with an SVC 99 error
255	(FF)	X'1'	0	EMDAIR	"1" General caller with a DAIR error
255	(FF)	X'63'	0	EMDYNALC	"99" Call is Dynamic Allocation

EMPARMS Cross Reference

Name	Hex Offset	Hex Value
EMABUFF	0	
EMABUFFS	0	
EMABUFLN	0	
EMABUFOF	2	
EMABUFTX	4	
EMBUFL1	30	
EMBUFL2	130	
EMBUFO1	32	
EMBUFO2	132	
EMBUFP	10	
EMBUFS	30	
EMBUFT1	34	
EMBUFT2	134	
EMBUF1	30	30
EMBUF2	130	
EMCPPLP	C	
EMDAIR	FF	1
EMDAPLP	4	4
EMDSECT1	0	
EMDSECT3	0	
EMDYNALC	FF	63
EMFREE	FF	33
EMFUNCT	0	
EMIDNUM	1	
EMKEEP	0	10
EMLN1	18	1C
EMLN2	134	1FF
EMLN3	FF	100
EMNMGBK	2	
EMPARMS	0	0
EMPUTLIN	0	80
EMRETCOD	8	
EMRETURN	0	20
EMRSV02	3	
EMRSV03	14	
EMSVC99	FF	32
EMS99RBP	4	
EMWTDERT	1C	
EMWTDDESC	1C	
EMWTP	0	40
EMWTPCDE	0	8
EMWTPCDP	18	
EMWTRTCD	1E	

ENFCT Information

ENFCT Programming Interface information

Programming Interface information

ENFCT

INCLUDE ONLY

End of Programming Interface information

ENFCT Heading Information • ENFCT Map

ENFCT Heading Information

Common Name: Event Notification Facility Control Table
Macro ID: IEFENFCT
DSECT Name: ENFCT
Owning Component: Event Notification Facility (BB131)
Eye-Catcher ID: ENFC
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: Below
Size: 88 bytes (decimal)
Created by: IEFENFDM at SYSGEN
Pointed to by: CVTENFCT field of CVT data area
Serialization: None
Function: Maps the ENF Control Table

ENFCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENFCT	
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	4	ENFCTID	ACRONYM: ENFC
4	(4)	SIGNED	2	ENFCFLGS (0)	FLAG BYTES
4	(4)	BITSTRING	1	ENFCFLG1	FLAG BYTE 1
		1...		ENFCAVAL	"X'80" ENF INITIALIZED
		.1..		ENFCXAVL	"X'40" ENF sysplex-wide notification available
		..1.		ENFCFRS3	"X'20" RESERVED
		...1		ENFCFRS4	"X'10" RESERVED
		.... 1...		ENFCFRS5	"X'08" RESERVED
		.... .1..		ENFCFRS6	"X'04" RESERVED
		.... ..1.		ENFCFRS7	"X'02" RESERVED
		.... ...1		ENFCFRS8	"X'01" RESERVED
5	(5)	BITSTRING	1	ENFCFLG2	RESERVED
6	(6)	BITSTRING	1	ENFCRSV1	Reserved
7	(7)	BITSTRING	1	ENFCT_NOXSYS_CODE	
					If ENFCXAVL is off, indicates why sysplex-wide notification is not available
8	(8)	ADDRESS	4	ENFCPMOD	ADDRESS OF IEFENFNM (USED FOR ENF INTERNAL PROCESSING)
12	(C)	ADDRESS	4	ENFCFMOD	"V(IEFENFIN)" ADDRESS OF ENF INTERFACE (IEFENFIN)
16	(10)	ADDRESS	4	ENFCASCB	"V(IEAMASCB)" ADDRESS OF MASTER SCHEDULER ASCB
20	(14)	ADDRESS	4	ENFCVT	ADDRESS OF ENF VECTOR TABLE
24	(18)	ADDRESS	4	ENFCDS	ADDRESS OF ENF PROCESS TABLE
28	(1C)	SIGNED	4	ENFCECB	EVENT NOTIFICATION FACILITY ECB
32	(20)	SIGNED	4	ENFCMAX	MAXIMUM NUMBER OF EVENTS FOR CSECT ONLY
36	(24)	ADDRESS	4	ENFCRMOD	ADDRESS OF ENF SERVICE ROUTINE (IEFENFFX)
40	(28)	ADDRESS	4	ENFCGMOD	"V(IEFENFGX)" IEFENFIN ENTRY POINT FROM EXIT ROUTINES
44	(2C)	ADDRESS	4	ENFCMSGC	ADDRESS OF IEFENFMC MESSAGE CSECT 2
48	(30)	ADDRESS	4	ENFCRMGR	ADDRESS OF IEFENFRM
52	(34)	ADDRESS	4	ENFCT_SRB_ADDR	
					ADDRESS OF IEFENFSR
56	(38)	ADDRESS	4	ENFCT_SRB_RMTR	
					ADDRESS OF IEFENFPD
60	(3C)	ADDRESS	4	ENFCT_ENXV@	Address of ENF's cross-system vector table in the IEFSCHAS address space
64	(40)	BITSTRING	8	ENFCT_XMEM_DATA (0)	
					Cross-memory environment data
64	(40)	SIGNED	4	ENFCT_XSYS_PC	
					PC number for cross-system notification routine
68	(44)	SIGNED	4		Reserved
72	(48)	BITSTRING	12	ENFCT_XCF_DATA (0)	
					XCF group membership data
72	(48)	BITSTRING	8	ENFCT_XSYS_MEM_TOK	
					ENF's XCF group member token
80	(50)	SIGNED	4	ENFCT_SYS_TOKEN (0)	
					XCF system token
80	(50)	BITSTRING	1	ENFCT_SYS_SLOT	
					XCF system slot number
81	(51)	BITSTRING	3		Reserved
84	(54)	SIGNED	4	ENFCENFDSFULLCOUNT	
					Number of TYPE=ASYNCR requests which failed because ENFDS was full
88	(58)	ADDRESS	4	ENFC SIGNALCOUNTSPTR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
92	(5C)	BITSTRING	4		Address of ENFVT signal counts array Reserved

ENFCT Cross Reference

Name	Hex Offset	Hex Value
ENFCASCB	10	
ENFCAVAL	4	80
ENFCDS	18	
ENFCECB	1C	0
ENFCENFDSFULLCOUNT		
	54	0
ENFCFLGS	4	
ENFCFLG1	4	0
ENFCFLG2	5	0
ENFCFMOD	C	
ENFCFRS3	4	20
ENFCFRS4	4	10
ENFCFRS5	4	8
ENFCFRS6	4	4
ENFCFRS7	4	2
ENFCFRS8	4	1
ENFCGMOD	28	
ENFCMAX	20	50
ENFCMSGC	2C	
ENFCPMOD	8	
ENFCRMGR	30	
ENFCRMOD	24	
ENFCRSV1	6	0
ENFCSIGNALCOUNTSPTR		
	58	
ENFCT	0	
ENFCT_ENXV@	3C	
ENFCT_NOXSYS_CODE		
	7	0
ENFCT_SRB_ADDR		
	34	
ENFCT_SRB_RMTR		
	38	
ENFCT_SYS_SLOT		
	50	0
ENFCT_SYS_TOKEN		
	50	
ENFCT_XCF_DATA		
	48	
ENFCT_XMEM_DATA		
	40	
ENFCT_XSYS_MEM_TOK		
	48	0
ENFCT_XSYS_PC		
	40	0
ENFCTID	0	C5D5C6C3
ENFCVT	14	
ENFCXAVL	4	40

ENFDS Information

ENFDS Heading Information

Common Name: Event Notification Process Table
Macro ID: IEFENFDS
DSECT Name: ENFDS
Owning Component: Event Notification Facility (BB131)
Eye-Catcher ID: ENFD
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Yes
 Virtual Storage: Yes
 Auxiliary Storage: No
 Subpool: 239
 Key: 0
 Data Space: No
 Residency: ANY
Size: 804 bytes (decimal)
Created by: IEFENFDM
Pointed to by: ENFCDS field of the ENFCT data area
Serialization: Entries serialized by compare-and-swap
Function: Maps the ENF process table, used for ENFREQ requests from locked or disabled callers

ENFDS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	804	ENFDS	
0	(0)	CHARACTER	4	ENFDSID	ENFDS CONTROL BLOCK ID
4	(4)	CHARACTER	8	ENFDSENT	ENFDS ENTRY (4294967396:562115048)
4	(4)	CHARACTER	4	ENFDFLG	FLAG FIELD
4	(4)	BITSTRING	1	ENFDATT	USE BYTE
		1...		ENFDUSE	REQUEST PENDING FLAG
		.1..		ENFDUPDT	ENTRY IN USE BY IEFENFFX
		..11 1111		*	RESERVED
5	(5)	CHARACTER	3	ENFDRSV1	RESERVED
8	(8)	ADDRESS	4	ENFDEPL	Address of parameter list to process

ENFDS Constants

Len	Type	Value	Name	Description
4	DECIMAL	100	ENFDSMAX	Maximum number of entries in the ENFDS

ENFDS Cross Reference

Name	Hex Offset	Hex Value
ENFDATT	4	
ENFDEPL	8	
ENFDFLG	4	
ENFDRSV1	5	
ENFDS	0	
ENFDSENT	4	
ENFDSID	0	
ENFDUPDT	4	40
ENFDUSE	4	80

ENFLS Information

ENFLS Heading Information

Common Name: Event Notification Facility Listener Element
Macro ID: IEFENFLS
DSECT Name: ENFLS
Owning Component: Event Notification Facility (BB131)
Eye-Catcher ID: ENFL
 Offset: 0
 Length: 4 BYTES
Storage Attributes: Subpool: As follows: .228 for ENF-63 .241 for all other ENF codes
 Key: 0
 Residency: Any
Size: 144 bytes (decimal)
Created by: IEFENFNM
Pointed to by: ENFVPTR(EVENT CODE) of ENFVT data area points to the first element
 ENFVLPTR(EVENT CODE) of ENFVT data area points to the last element
 ENFLNPTR field of the ENFLS data area
 ENFLPPTR field of the ENFLS data area
Serialization: ENFLUSE is used by compare and swap to serialize the use of this element.
Function: Maps the ENF Listener Element

ENFLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	144	ENFLS	
0	(0)	CHARACTER	4	ENFLSID	ENFLS HEADER
4	(4)	BITSTRING	1	ENFLFLGS	FLAGS FIELD
		1...		ENFLERR	ENFLS NOT USABLE
		.1..		ENFLDIS	Disable ENFLS if error
		..1.		ENFL_EOT	End of task requested
		...1		ENFL_EOM	End of memory requested
		.... 1..		ENFL_EXIT_TYPE	Exit type. OFF indicates that the user specified EXIT. ON indicates that the user specified SRBEXIT
		.... .1..		ENFLXSYS	If set, listener accepts notifications originating on other systems
		.... ..1.		ENFL_FLTR	If set, listener specified a FLTRBLK
		.... ...1		*	RESERVED
5	(5)	CHARACTER	1	ENFLQMSK	QUALIFIER MASK
6	(6)	BITSTRING	1	ENFLFLG2	Second flag field
		11.		ENFLBCMP	Bit comparison to be used in evaluating bit-mapped qualifier. Bit patterns defined in IEFENFPM.
		...1 11..		*	Reserved
		.... ..1.		ENFLENFSETENFLENME	EnfENme was set by ENF, not provided by the listener
		.... ...1		ENFLENFSETENFLXNME	EnfIXNme was set by ENF, not provided by the listener
7	(7)	CHARACTER	1	ENFLRSV1	Reserved
8	(8)	CHARACTER	4	ENFLQUAL	QUALIFIER
12	(C)	ADDRESS	4	ENFLRTN	EXIT ROUTINE TO GET CONTROL
		1...		ENFLRTM	AMODE OF EXIT ROUTINE
12	(C)	BITSTRING	3	ENFLRTA	ADDRESS OF EXIT ROUTINE
16	(10)	CHARACTER	8	ENFLTOKNUSE	For CDS
16	(10)	SIGNED	4	ENFLTOKN	TOKEN FOR THIS ENFLS
20	(14)	SIGNED	4	ENFLUSE	USE COUNT
		1...		ENFLDEL	ENFLS AVAILABLE FOR REUSE
24	(18)	ADDRESS	4	ENFLNPTR	ADDRESS OF NEXT ENFLS
28	(1C)	ADDRESS	4	ENFLPPTR	ADDRESS OF PREVIOUS ENFLS
32	(20)	ADDRESS	4	ENFLR14	RETURN ADDRESS OF ESTABLISHER OF LISTEN EXIT.
36	(24)	CHARACTER	8	ENFLENME	NAME OF ESTABLISHER OF LISTEN EXIT.
44	(2C)	CHARACTER	8	ENFLXNME	NAME OF LISTEN EXIT
52	(34)	ADDRESS	4	ENFLPARM	Address of listener's parameters
56	(38)	ADDRESS	4	ENFL_ASCB	Address of listener's ASCB
60	(3C)	ADDRESS	4	ENFL_TCB	Address of listener's TCB
64	(40)	SIGNED	2	ENFL_ASID	Listener's ASID
66	(42)	CHARACTER	8	ENFLJNME	Jobname of Listen Exit
74	(4A)	CHARACTER	32	ENFLBMQ	Bit-mapped qualifier
106	(6A)	CHARACTER	2	*	Reserved

ENFLS Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
108	(6C)	CHARACTER	4	ENFL_SRBEXIT_CPID	Cell pool id for IEFENFSR
112	(70)	CHARACTER	4	*	Reserved
116	(74)	CHARACTER	8	ENFL_STOKEN	STOKEN of the listener's address space (SRB mode listeners)
124	(7C)	CHARACTER	12	ENFL_RMTR	This area of the ENFL contains the resource manager code (RMTR) for the SRB. This allows us to purge the SRB associated with the ENF Listener Element only.
124	(7C)	CHARACTER	4	ENFL_RMTR_L	This field contains an instruction which loads the address of the real RMTR. (L 15,*+8(15))
128	(80)	CHARACTER	2	ENFL_RMTR_BR	This field contains an instruction which branches to the real RMTR. (BR 15)
130	(82)	CHARACTER	2	ENFL_RMTR_NOP	
132	(84)	ADDRESS	4	ENFL_RMTR_ADDR	This field contains an instruction which aligns the next full word. (NOP)
136	(88)	CHARACTER	8	ENFL_SDATA	This field contains the address of the real RMTR (IEFENFPD).
					This field contains the signaller data associated with FLTRBLK support.

ENFLS Cross Reference

Name	Hex Offset	Hex Value
ENFL_ASCB	38	
ENFL_ASID	40	
ENFL_EOM	4	10
ENFL_EOT	4	20
ENFL_EXIT_TYPE	4	08
ENFL_FLTR	4	02
ENFL_RMTR	7C	
ENFL_RMTR_ADDR	84	
ENFL_RMTR_BR	80	
ENFL_RMTR_L	7C	
ENFL_RMTR_NOP	82	
ENFL_SDATA	88	
ENFL_SRBEXIT_CPID	6C	
ENFL_STOKEN	74	
ENFL_TCB	3C	
ENFLBCMP	6	E0
ENFLBMQ	4A	
ENFLDEL	14	80
ENFLDIS	4	40
ENFLENFSETENFLENME	6	02
ENFLENFSETENFLXNME	6	01
ENFLENME	24	
ENFLERR	4	80
ENFLFLGS	4	
ENFLFLG2	6	
ENFLJNME	42	
ENFLNPTR	18	
ENFLPARM	34	
ENFLPPTR	1C	
ENFLQMSK	5	
ENFLQUAL	8	
ENFLRSV1	7	
ENFLRTA	C	
ENFLRTM	C	80
ENFLRTN	C	
ENFLR14	20	
ENFLS	0	
ENFLSID	0	
ENFLTOKN	10	
ENFLTOKNUSE	10	
ENFLUSE	14	
ENFLXNME	2C	
ENFLXSYS	4	04

ENFPM Information

ENFPM Programming Interface information

Programming Interface information

ENFPM

INCLUDE ONLY

End of Programming Interface information

ENFPM Heading Information • ENFPM Map

ENFPM Heading Information

Common Name: Event Notification Facility Parameter List
Macro ID: IEFENFPM
DSECT Name: ENFPM
Owning Component: Event Notification Facility (BB131)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any
 Key: Any
 Residency: Any
Size: Maximum 128 bytes (decimal)
Created by: ENF users
Pointed to by: N/A
Serialization: None
Function: Maps the ENFREQ parameter list

ENFPM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	ENFPM (0)	
0	(0)	SIGNED	2	ENFPLEN	LENGTH OF ENF PARAMETER LIST
2	(2)	SIGNED	2	ENFPACT (0)	REQUESTED ENF ACTION
2	(2)	CHARACTER	1	ENFPACT1	RESERVED
3	(3)	CHARACTER	1	ENFPACT2	DEFINITION BYTE
		.... ..1		ENFPSIG	"X'01'" SIGNAL AN EVENT
		.... ..1.		ENFPLIS	"X'02'" LISTEN FOR AN EVENT
		.... ..11		ENFPDEL	"X'03'" DELETE A LISTENER
		.... ..1..		ENFPQRY	"X'04'" QUERY FOR INFORMATION
		.... ..1.1		ENFPRGR	"X'05'" REGISTER FOR INFORMATION
4	(4)	BITSTRING	4	ENFPCODE	EVENT CODE (RIGHT JUSTIFIED)
4	(4)	X'1'	0	ENFPC001	"1" VARY DEVICE ONLINE
4	(4)	X'2'	0	ENFPC002	"2" VARY DEVICE OFFLINE
4	(4)	X'3'	0	ENFPC003	"3" VOLUME UNLOAD
4	(4)	X'4'	0	ENFPC004	"4" FREE SQA
4	(4)	X'5'	0	ENFPC005	"5" COMM TASK AND TOD INIT COMPLETE
4	(4)	X'6'	0	ENFPC006	"6" SRM - STATUS CHANGE IN CHANNEL MEASUREMENT BLOCK DATA COLLECTOR
4	(4)	X'7'	0	ENFPC007	"7" RESERVED
4	(4)	X'8'	0	ENFPC008	"8" PATH STATE CHANGE
4	(4)	X'9'	0	ENFPC009	"9" CHANNEL PATH STATE CHANGE
4	(4)	X'A'	0	ENFPC010	"10" DDR SWAP
4	(4)	X'B'	0	ENFPC011	"11" FAILURE OF CHANNEL MONITORING FACILITY
4	(4)	X'C'	0	ENFPC012	"12" DEVICE PENDING OFFLINE
4	(4)	X'D'	0	ENFPC013	"13" WTO BUFFER UTILIZATION
4	(4)	X'E'	0	ENFPC014	"14" JES3 BUFFER UTILIZATION
4	(4)	X'F'	0	ENFPC015	"15" STORAGE MANAGEMENT SUBSYSTEM RESOURCE AVAILABILITY CHANGE
4	(4)	X'10'	0	ENFPC016	"16" VOLUME BECOMING AVAILABLE
4	(4)	X'11'	0	ENFPC017	"17" CONSOLE OR TSO OPERATOR HAS CHANGED FROM THE ACTIVE TO INACTIVE STATE
4	(4)	X'12'	0	ENFPC018	"18" RECONFIGURATION ISSUED TO NOTIFY Crypto WHEN A CPU COMES ONLINE OR GOES OFFLINE.
4	(4)	X'13'	0	ENFPC019	"19" SIGNALS CRYPTOGRAPHY FEATURE AVAILABLE
4	(4)	X'14'	0	ENFPC020	"20" UNSOLICITED SIGNAL INTERRUPT
4	(4)	X'15'	0	ENFPC021	"21" CHANGE TO DASD MIH INTERVAL
4	(4)	X'16'	0	ENFPC022	"22" SIGNALS CRYPTOGRAPHY FEATURE OFFLINE
4	(4)	X'17'	0	ENFPC023	"23" VARY DEVICE ONLINE (DYNAMIC I/O)
4	(4)	X'18'	0	ENFPC024	"24" VARY DEVICE OFFLINE (DYNAMIC I/O)
4	(4)	X'19'	0	ENFPC025	"25" VOLUME UNLOAD (DYANMIC I/O)
4	(4)	X'1A'	0	ENFPC026	"26" CHANGE IN DEVICE STATE (DYNAMIC I/O)
4	(4)	X'1B'	0	ENFPC027	"27" PATH STATE CHANGE (DYNAMIC I/O)
4	(4)	X'1C'	0	ENFPC028	"28" DDR SWAP (DYNAMIC I/O)
4	(4)	X'1D'	0	ENFPC029	"29" DEVICE PENDING OFFLINE (DYNAMIC I/O)
4	(4)	X'1E'	0	ENFPC030	"30" VOLUME BECOMING AVAILABLE (DYNAMIC I/O)
4	(4)	X'1F'	0	ENFPC031	"31" SYNCHRONOUS SIGNAL TO PROCESS CONFIGURATION CHANGE BLOCK (DYNAMIC I/O)
4	(4)	X'20'	0	ENFPC032	"32" SYNCHRONOUS SIGNAL TO INDICATE CONFIGURATION CHANGE IS COMPLETE (DYNAMIC I/O)
4	(4)	X'21'	0	ENFPC033	"33" DEVICE STATE CHANGE
4	(4)	X'22'	0	ENFPC034	"34" MACHINE CHECK DUE TO SCLP DAMAGE
4	(4)	X'23'	0	ENFPC035	"35" Cross system locking services
4	(4)	X'24'	0	ENFPC036	"36" Symptom string written to a LOGREC data set or LOGREC log stream
4	(4)	X'25'	0	ENFPC037	"37" SMF INTERVAL SYNC SUPPORT

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	X'26'	0	ENFPC038	"38" An ARM Event Occurred
4	(4)	X'27'	0	ENFPC039	"39" Reserved
4	(4)	X'28'	0	ENFPC040	"40" JES initiation or termination
4	(4)	X'29'	0	ENFPC041	"41" A WLM Event Occurred
4	(4)	X'2A'	0	ENFPC042	"42" A SRM Event Occurred
4	(4)	X'2B'	0	ENFPC043	"43" New sampling data is available
4	(4)	X'2C'	0	ENFPC044	"44" Subchannel CRW is received
4	(4)	X'2D'	0	ENFPC045	"45" SMSVSAM server is operational
4	(4)	X'2E'	0	ENFPC046	"46" A significant OMVS event has occurred
4	(4)	X'2F'	0	ENFPC047	"47" DAE dumping threshold met for a given incident in the last detection interval
4	(4)	X'30'	0	ENFPC048	"48" A system logger event has occurred
4	(4)	X'31'	0	ENFPC049	"49" Logrec output recording medium was changed via SETLOGRC command
4	(4)	X'32'	0	ENFPC050	"50" Parallel access volume capacity state change
4	(4)	X'33'	0	ENFPC051	"51" A GRS event has occurred
4	(4)	X'34'	0	ENFPC052	"52" LNKLST activation
4	(4)	X'35'	0	ENFPC053	"53" External time reference state change
4	(4)	X'36'	0	ENFPC054	"54" An SDUMP event has occurred
4	(4)	X'37'	0	ENFPC055	"55" An SRM event has occurred
4	(4)	X'38'	0	ENFPC056	"56" Issued during RESET job and QUIESCE job commands to tell JES about service class changes for batch jobs in execution
4	(4)	X'39'	0	ENFPC057	"57" Issued by WLM when a WLM known abstract resource changes state
4	(4)	X'3A'	0	ENFPC058	"58" Issued by JES when a sysout data set changes state
4	(4)	X'3B'	0	ENFPC059	"59" Issued by BOSS for synchronizing the sysplex wide view of the Active Server Respository
4	(4)	X'3C'	0	ENFPC060	"60" Issued by Transaction Trace
4	(4)	X'3D'	0	ENFPC061	"61" Issued by WLM
4	(4)	X'3E'	0	ENFPC062	"62" Issued by RACF
4	(4)	X'3F'	0	ENFPC063	"63" Issued by IOS
4	(4)	X'40'	0	ENFPC064	"64" Issued by GDPS
4	(4)	X'41'	0	ENFPC065	"65" Issued by AXR
4	(4)	X'42'	0	ENFPC066	"66" Issued by CEA
4	(4)	X'43'	0	ENFPC067	"67" Issued by Health Checker
4	(4)	X'44'	0	ENFPC068	"68" Issued by BCpii
4	(4)	X'45'	0	ENFPC069	"69" Issued by DB2 Offload
4	(4)	X'46'	0	ENFPC070	"70" JES2 job state change
4	(4)	X'47'	0	ENFPC071	"71" Issued by RACF
4	(4)	X'48'	0	ENFPC072	"72" Issued by HSM
4	(4)	X'49'	0	ENFPC073	"73" System symbols have been updated
4	(4)	X'4A'	0	ENFPC074	"74" For testing. SRBEXIT and EXIT. Supports cross system notification.
4	(4)	X'4B'	0	ENFPC075	"75" For testing. SRBEXIT and EXIT. Supports cross system notification. Uses a FLTRBLK exit.
4	(4)	X'4C'	0	ENFPC076	"76" For testing. SRBEXIT only.
4	(4)	X'4D'	0	ENFPC077	"77" For testing. EXIT only.
4	(4)	X'4E'	0	ENFPC078	"78" JES2 CEAS notify funtion
4	(4)	X'4F'	0	ENFPC079	"79" Issued by RACF
4	(4)	X'50'	0	ENFPC080	"80" Issued by CommServer *****
4	(4)	X'50'	0	ENFPCMAX	"80" High Water Mark, Maximum Number of Events *****
8	(8)	BITSTRING	1	ENFPFLG	FLAG FIELD
		1...		ENFPASN	"X'80" ASYNCHRONOUS REQUEST
		.1.		ENFPDISA	"X'40" Disable keyword
		..1.		ENFPDISO	"X'20" Disable keyword operational
		...1		ENFPXSYS	"X'10" Signal request - set if signal is to be sent to other systems. Listen request - set if listener will accept signals from foreign systems.
		.... 1..		ENFPFREE	"X'08" FREE SIGNAL PARAMETER LIST
		.... .1..		ENFPBOT	"X'04" EOT support requested
		.... ..1.		ENFPBOM	"X'02" EOM support requested
		.... ...1		ENFPBOM	"X'01" SRBEXIT specified
9	(9)	BITSTRING	1	ENFPQMSK	MASK FOR COMPARING QUALIFIERS
		.... 1..		ENFPQMS1	"X'08" COMPARE CHARACTER 1
		.... .1..		ENFPQMS2	"X'04" COMPARE CHARACTER 2
		.... ..1.		ENFPQMS3	"X'02" COMPARE CHARACTER 3
		.... ...1		ENFPQMS4	"X'01" COMPARE CHARACTER 4
10	(A)	SIGNED	2	ENFPFATT (0)	FREEMAIN ATTRIBUTES
10	(A)	BITSTRING	1	ENFPFKEY	KEY FOR FREEMAIN AREA
11	(B)	BITSTRING	1	ENFPFSPL	SUBPOOL FOR FREEMAIN AREA
12	(C)	BITSTRING	4	ENFPQUAL	QUALIFIER
16	(10)	SIGNED	4	ENFPADDR	LISTEN: LISTENER'S EXIT ROUTINE ADDR If ENFPBOM is on then the listen exit will run in the listener's address space as SRB. SIGNAL: SIGNALER'S EXIT ROUTINE ADDR
20	(14)	SIGNED	4	ENFPSPRM	ADDRESS OF SIGNALER'S or listener's parameters
24	(18)	SIGNED	4	ENFPTOK	LISTEN: TOKEN OF LISTENER'S ELEMENT SIGNAL: ADDRESS OF ORIGINAL EPL
28	(1C)	SIGNED	4	ENFPFLEN	LENGTH OF AREA TO BE FREED
32	(20)	SIGNED	2	ENFPVERS	PARAMETER LIST VERSION

ENFPM Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
34	(22)	SIGNED	2	ENFPHASN	HASN of caller of ENF
36	(24)	ADDRESS	4	ENFPR14C	ADDRESS OF CALLER OF ENF
40	(28)	CHARACTER	8	ENFPLNME	NAME OF ESTABLISHER OF LISTEN EXIT
48	(30)	CHARACTER	8	ENFPXNME	NAME OF LISTEN EXIT ROUTINE
56	(38)	SIGNED	4	ENFPNSNM	LISTENER COUNT (RETURNED) ONLY FOR SYNCHRONOUS REQUESTS
60	(3C)	CHARACTER	4	ENFPCRET	SPECIAL PROCESSING CODE RETURNED FROM EXIT
64	(40)	BITSTRING	32	ENFPBMQ	Bit-mapped qualifier
96	(60)	BITSTRING	1	ENFPFLG2	Additional flags
		...1 1111		ENFPBQMK	"B'00011111" Value to AND into ENFPFLG2 to clear the high-order 3 bits that represent the comparison to be performed on the bit- mapped qualifier
		.... ....		ENFPBQSB	"B'00000000" Value to OR into ENFPFLG2 to indicate BITCOMPARE=SUBSET
		..1.		ENFPBQIN	"B'00100000" Value to OR into ENFPFLG2 to indicate BITCOMPARE=INTERSECT
		.1..		ENFPBQEQ	"B'01000000" Value to OR into ENFPFLG2 to indicate BITCOMPARE=EQUAL
		...1		ENFPMASE	"B'00010000" MASEXIT support requested
		.... 1...		ENFPFTCH	"B'00001000" IBM inrnl use
97	(61)	CHARACTER	3		Reserved
100	(64)	SIGNED	4	ENFPFLTR	Address of the FLTRBLK or the FLTRXIT, for ACTION of LISTEN or REGISTER respectively.
100	(64)	X'68'	0	ENFPLEN	**_ENFPM_ ASSEMBLER LENGTH OF PARAMETER LIST
100	(64)	X'3'	0	ENFPVRSN	"3" Version 3
100	(64)	X'68'	0	ENFPXCFG	**_8,C'C_ EQUATE for DSECT=YES

ENFPM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ENFPACT	2		ENFPC035	4	23
ENFPACT1	2		ENFPC036	4	24
ENFPACT2	3		ENFPC037	4	25
ENFPASN	8	80	ENFPC038	4	26
ENFPBMQ	40		ENFPC039	4	27
ENFPBQEQ	60	40	ENFPC040	4	28
ENFPBQIN	60	20	ENFPC041	4	29
ENFPBQMK	60	1F	ENFPC042	4	2A
ENFPBQSB	60	0	ENFPC043	4	2B
ENFPCMAX	4	50	ENFPC044	4	2C
ENFPCODE	4		ENFPC045	4	2D
ENFPCRET	3C		ENFPC046	4	2E
ENFPC001	4	1	ENFPC047	4	2F
ENFPC002	4	2	ENFPC048	4	30
ENFPC003	4	3	ENFPC049	4	31
ENFPC004	4	4	ENFPC050	4	32
ENFPC005	4	5	ENFPC051	4	33
ENFPC006	4	6	ENFPC052	4	34
ENFPC007	4	7	ENFPC053	4	35
ENFPC008	4	8	ENFPC054	4	36
ENFPC009	4	9	ENFPC055	4	37
ENFPC010	4	A	ENFPC056	4	38
ENFPC011	4	B	ENFPC057	4	39
ENFPC012	4	C	ENFPC058	4	3A
ENFPC013	4	D	ENFPC059	4	3B
ENFPC014	4	E	ENFPC060	4	3C
ENFPC015	4	F	ENFPC061	4	3D
ENFPC016	4	10	ENFPC062	4	3E
ENFPC017	4	11	ENFPC063	4	3F
ENFPC018	4	12	ENFPC064	4	40
ENFPC019	4	13	ENFPC065	4	41
ENFPC020	4	14	ENFPC066	4	42
ENFPC021	4	15	ENFPC067	4	43
ENFPC022	4	16	ENFPC068	4	44
ENFPC023	4	17	ENFPC069	4	45
ENFPC024	4	18	ENFPC070	4	46
ENFPC025	4	19	ENFPC071	4	47
ENFPC026	4	1A	ENFPC072	4	48
ENFPC027	4	1B	ENFPC073	4	49
ENFPC028	4	1C	ENFPC074	4	4A
ENFPC029	4	1D	ENFPC075	4	4B
ENFPC030	4	1E	ENFPC076	4	4C
ENFPC031	4	1F	ENFPC077	4	4D
ENFPC032	4	20	ENFPC078	4	4E
ENFPC033	4	21	ENFPC079	4	4F
ENFPC034	4	22	ENFPC080	4	50

Name	Hex Offset	Hex Value
ENFPDEL	3	3
ENFPDISA	8	40
ENFPDISO	8	20
ENFPEADR	10	
ENFPEOM	8	2
ENFPEOT	8	4
ENFPFATT	A	
ENFPFKEY	A	
ENFPFLEN	1C	
ENFPFLG	8	
ENFPFLG2	60	
ENFPFLTR	64	
ENFPFREE	8	8
ENFPFSPL	B	
ENFPFTCH	60	8
ENFPHASN	22	
ENFPLEN	0	
ENFPLIS	3	2
ENFPLEN	64	68
ENFPLNME	28	
ENFPLSNM	38	
ENFPM	0	
ENFPMASE	60	10
ENFPQMSK	9	
ENFPQMS1	9	8
ENFPQMS2	9	4
ENFPQMS3	9	2
ENFPQMS4	9	1
ENFPQRY	3	4
ENFPQUAL	C	
ENFPRGR	3	5
ENFPR14C	24	
ENFPSIG	3	1
ENFPSPRM	14	
ENFPSRBE	8	1
ENFPYOK	18	
ENFPVRS	20	
ENFPVRSN	64	3
ENFPXCFG	64	68
ENFPXNME	30	
ENFPXSYS	8	10

ENFVT Information

ENFVT Heading Information

Common Name: Event Notification Facility Vector Table
Macro ID: IEFENFVT
DSECT Name: ENFVT
Owning Component: Event Notification Facility (BB131)
Eye-Catcher ID: ENFV
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: 239
 Key: 0
 Residency: Any
Size: 4 + (28 x ENFCMAX) bytes
Created by: IEAVNP47
Pointed to by: ENFCVT field of the ENFCT data area.
Serialization: ENFVPtr - serialized by the LOCAL and CMS locks
 ENFVLPTR - serialized by the LOCAL and CMS locks.
 ENFVDTKN - serialized using compare and swap.
 EnfvSignalCounts - serialized using compare and swap.

Function: Maps the ENF Vector Table.

ENFVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	ENFVT	
0	(0)	CHARACTER	4	ENFVTID	ENFVT control block id
4	(4)	CHARACTER	20	ENFVTENT (*)	ENFVT entry
4	(4)	ADDRESS	4	ENFVXITA	Address of signal pre-processing exit routine
8	(8)	ADDRESS	4	ENFVPtr	Pointer to first ENFLS on the queue for the event
12	(C)	ADDRESS	4	ENFVLPTR	Pointer to last ENFLS on the queue for the event
16	(10)	SIGNED	4	ENFVDTKN	DToken field for each event
20	(14)	BITSTRING	1	ENFVT_FLAGS	Event code flags. Initialized by IEAVNP47.
		1...		ENFVT_SRB_EXIT	This event allows SRBEXIT on a Listen request
		.1..		ENFVT_EXIT	This event allows EXIT on a Listen request
		..1.		ENFVT_XSYS_CAPABLE	This event supports cross-system notification
		...1		ENFVT_PREPROC	This event supports pre-processing via the ENVXITA field.
		.... 1...		ENFVT_FLTRBLK	This event supports FLTRBLK via the ENVXITA field.
		.... .111		ENFVT_RSV1	Reserved
21	(15)	UNSIGNED	3	ENFVT_RSV2	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	ENFVTSIGNALCOUNTS	Signal counts
0	(0)	UNSIGNED	4	ENFVTSIGNALCOUNTSYNC	Number of TYPE=SYNC signals for the event
4	(4)	UNSIGNED	4	ENFVTSIGNALCOUNTASYNC	Number of TYPE=ASYNC signals for the event
8	(8)	UNSIGNED	4	ENFVTSIGNALCOUNTFOREIGN	Number of foreign signals for the event

ENFVT Cross Reference

ENFVT Cross Reference

Name	Hex Offset	Hex Value
ENFVDTKN	10	
ENFVLPTR	C	
ENFVPTR	8	
ENFVT	0	
ENFVT_EXIT	14	40
ENFVT_FLAGS	14	
ENFVT_FLTRBLK		
	14	08
ENFVT_PREPROC		
	14	10
ENFVT_RSV1	14	07
ENFVT_RSV2	15	
ENFVT_SRB_EXIT		
	14	80
ENFVT_XSYS_CAPABLE		
	14	20
ENFVTENT	4	
ENFVTID	0	
ENFVTSIGNALCOUNTASYNC		
	4	
ENFVTSIGNALCOUNTFOREIGN		
	8	
ENFVTSIGNALCOUNTS		
	0	
ENFVTSIGNALCOUNTSYNC		
	0	
ENFVXITA	4	

ENV Information

ENV Heading Information

Common Name: Machine Check Handler Environment Data Area
Macro ID: IGFENV
DSECT Name: ENV
Owning Component: Machine Check Handler (BB1CT)
Eye-Catcher ID: ENV
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 239
 Key: 0
 Residency: Above 16M
Size: 248 bytes
Created by: IGFPBU CR
Pointed to by: PWAENV
Serialization: MCH is disabled for all interrupts, except machine checks. There is one ENV for each processor.
Function: Contain the information needed by IGFPEXIT to complete machine check processing.
 For every machine check, MCH must decide whether the interrupted unit of work can receive control at the next sequential instruction or its recovery routine should be invoked. This decision is made by IGFPMRTH, who fills in the registers and builds a PSW that will be subsequently loaded by IGFPEXIT. For the nsi case, the appropriate registers plus a copy of the machine check old PSW are used. For the ESTAE/FRR case, the registers and the PSW will cause IGFPEXIT to pass control to RTM, who will eventually invoke the ESTAE/FRR.

ENV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	248	ENV	IGFPEXIT INPUT
0	(0)	CHARACTER	4	ENVID	= 'ENV '
4	(4)	CHARACTER	1	ENVCTRL	CONTROL BITS USED AS INTERNAL INDICATERS
		1... ..		ENVSFT	SOFT MCH CHECK PROCESSING
		.111 1111		*	RESERVED
5	(5)	CHARACTER	3	*	
8	(8)	CHARACTER	64	ENVGREGS	THE 16 GENERAL PURPOSE REGS. THESE REGISTERS ARE LOADED AT THE END OF IGFPEXIT PROCESSING.
8	(8)	ADDRESS	4	ENVGREG (15:562114560)	THE SUBSCRIPT IS EQUIVALENT TO THE REGISTER NUMBER.
72	(48)	CHARACTER	64	ENVAREGS	THE ACCESS REGISTERS. THESE REGISTERS ARE LOADED AT THE END OF IGFPEXIT PROCESSING.
72	(48)	ADDRESS	4	ENVAREG (15:562114560)	THE SUBSCRIPT IS EQUIVALENT TO THE REGISTER NUMBER.
136	(88)	CHARACTER	8	*	Reserved
144	(90)	CHARACTER	64	ENVG64H	HIGH HALVES OF GPRS
208	(D0)	CHARACTER	8	ENVPSW	This is now used only for temp storage. See ENVPSW16
216	(D8)	CHARACTER	16	ENVXM	CONTROL REGISTER(3,4). THESE TWO CONTROL REGISTERS ARE USED BY THE CMSET RESET THAT IS ISSUED AT THE END OF IGFPEXIT PROCESSING.
216	(D8)	CHARACTER	8	ENVXMCR3	CONTROL REGISTER(3).
224	(E0)	CHARACTER	8	ENVXMCR4	CONTROL REGISTER(4).
232	(E8)	CHARACTER	16	ENVPSW16	PSWE loaded at the end of IGFPEXIT processing
248	(F8)	CHARACTER	0	*	

ENV Cross Reference

ENV Cross Reference

Name	Hex Offset	Hex Value
ENV	0	
ENVAREG	48	
ENVAREGS	48	
ENVCTRL	4	
ENVGREG	8	
ENVGREGS	8	
ENVG64H	90	
ENVID	0	
ENVPSW	D0	
ENVPSW16	E8	
ENVSFT	4	80
ENVXM	D8	
ENVXMCR3	D8	
ENVXMCR4	E0	

EPAL Information

EPAL Programming Interface Information

Programming Interface Information

EPAL

End of Programming Interface Information

EPAL Heading Information • EPAL Map

EPAL Heading Information

Common Name: External Parameter Area, SWA Manager Locate Mode
Macro ID: IEFZB805
DSECT Name: ZB505
Owning Component: Scheduler Work Area Manager (SC1B5)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any subpool
Key: Any key
Size: For assigns, reads, writes, or deletes (standard): 16 bytes
For locate/all (extended): 28 bytes
Created by: Routines that invoke the SWA manager
Pointed to by: The caller's parameter list
Serialization: None
Function:
Contains the virtual address of the SWA storage in which
a SWA control block resides.

EPAL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ZB505	
0	(0)	CHARACTER	16	SWAEP A (0)	MAPPING OF STANDARD EPA
0	(0)	SIGNED	4	SWBLKPTR	POINTER TO BLOCK
4	(4)	SIGNED	4	SWVAFW (0)	4 BYTE SWA VIRTUAL ADDRESS
4	(4)	CHARACTER	3	SWVA	3 BYTE SWA VIRTUAL ADDRESS
7	(7)	CHARACTER	1	SWBLKID	BLOCK ID OR ZERO
8	(8)	SIGNED	4	SWLNPTH	LENGTH OF SWA BLOCK (NOT INCLUDING SWA PREFIX)
12	(C)	SIGNED	4	SWCHNPTR	CHAIN POINTER OR ZERO

EPAM Information

EPAM Programming Interface Information

Programming Interface Information

EPAM

End of Programming Interface Information

EPAM Heading Information • EPAM Map

EPAM Heading Information

Common Name: External Parameter Area, SWA Manager Move Mode
Macro ID: IEFZB506
DSECT Name: ZB506
Owning Component: Initiation/termination (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller's subpool
Key: Caller's key
Size: For assigns not passing a block ID or length (standard): 4 bytes.
For reads, writes, or write/assigns (standard): 8 bytes.
For an assign or a write/assign passing a block ID or a length for the block to be assigned (extended): 16 bytes.

Created by:

Routines that invoke the SWA manager

Pointed to by: The QMPA (queue manager parameter area), which is pointed to by register 1 on invocation of macro IEFQMREQ.

Serialization: None

Function: Contains the virtual address of the SWA storage in which a SWA control block resides.

EPAM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ZB506	
0	(0)	CHARACTER	8	SWAMMEPA (0)	MOVE MODE EPA MAPPING FOR STANDARD EPAS
0	(0)	SIGNED	4	SWBUFPTR (0)	FOR READ OR WRITE - BUFFER ADDRESS
0	(0)	CHARACTER	3	SWASNVA	FOR ASSIGNS (SVA)
3	(3)	CHARACTER	1	SWASNZO	4TH BYTE OF SVA0 - FOR ASSIGNS REMAINDER NOT USED FOR ASSIGNS
4	(4)	CHARACTER	3	SWROWVA	SVA FOR READ OR WRITE
7	(7)	CHARACTER	1	SWWRTID	FOR 8 OR 16 BYTE EPAS, THIS IS THE ID OF THE BLOCK TO BE WRITTEN

EPCB Information

EPCB Heading Information

Common Name: EXCP Purge Control Block
Macro ID: IECDEPCB
DSECT Name: EPCB
Owning Component: Execute Channel Program Processor (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230 - Associated with the job step TCB
 Key: 0
Size: 252
Created by: EXCP purge routine to build a list of IOBs to be restored.
Pointed to by: PIRDVRU field of the PIRL data area (EXCP driver area of PIRL). EPCBCHN field of the EPCB data area.
Serialization: Local Lock
Function: The EXCP purge control block contains all the data necessary to restore a purge quiesce request. The EPCB is built by the EXCP purge routine and is used by the EXCP restore routine to restore the purged requests in the appropriate protect key and under the appropriate TCB.

EPCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EPCB	
0	(0)	BITSTRING	12	EPCBHDRL (0)	EPCB block header area.....
0	(0)	SIGNED	4	EPCBCHN	EPCB block chain pointer address
4	(4)	ADDRESS	4	EPCBRTCB	1st I/O related request TCB address
8	(8)	SIGNED	4	EPCBENT (0)	Current EPCB entry pointer
8	(8)	BITSTRING	1	EPCBNENT	Number of available EPCB entries
9	(9)	ADDRESS	3	EPCBENTY	Current EPCB entry pointer

Comment

Each EPCB entry is 3 words in length and contains the following

End of Comment					
12	(C)	BITSTRING	12	EPCBENTT (0)	Start of EPCB table entries....
12	(C)	SIGNED	4	EPCBIOB (0)	Requestors IOB address and key.
12	(C)	BITSTRING	1	EPCBPKEY	Protect key of the originator issuing the request. This field is a copy of the RQEPRT byte. Bits 0-3 are the protect key and bits 4-7 are EXCP flags, one of which indicates a SAM-E request.
13	(D)	ADDRESS	3	EPCBIOBA	Requestors IOB address to be restored.
16	(10)	SIGNED	4	EPCBTCB (0)	Address OF THE TCB OR ZEROS and type of IOB.
16	(10)	BITSTRING	1	EPCBIOBT	Type of IOB- 00 - EXCP request, F4 - EXCPVR request
17	(11)	ADDRESS	3	EPCBTCBA	Address OF THE TCB OR ZEROS. If the purge request was not memory quiesce or originating TCB restore was not specified, this field will be zero to indicate that the IOB is to be restored to THE TCB requesting the restore.
20	(14)	ADDRESS	4	EPCBIOBE	Address of the IOB extension or zero
20	(14)	X'C'	0	EPCBENTL	"-EPCBIOB" EPCB entry length

Comment

End of entries is depicted as a full word of zeros following the last entry.

End of Comment					
20	(14)	X'FC'	0	EPCBBL	"252" Size of a specific EPCB Block (gives 1 header and 20 entries)
20	(14)	X'14'	0	EPCBNE	"(EPCBBL-L'EPCBHDRL)/L'EPCBENTT" Number of EPCB entries

EPCB Cross Reference

EPCB Cross Reference

Name	Hex Offset	Hex Value
EPCB	0	
EPCBBL	14	FC
EPCBCHN	0	
EPCBENT	8	
EPCBENTL	14	C
EPCBENTT	C	
EPCBENTY	9	
EPCBHDRL	0	
EPCBIOB	C	
EPCBIOBA	D	
EPCBIOBE	14	
EPCBIOBT	10	
EPCBNE	14	14
EPCBNENT	8	
EPCBPKEY	C	
EPCBRTCB	4	
EPCBTCB	10	
EPCBTCBA	11	

EPIE Information

EPIE Programming Interface information

Programming Interface information

EPIE

End of Programming Interface information

EPIE Heading Information • EPIE Map

EPIE Heading Information

Common Name: Extended Program Interruption Element
Macro ID: IHAIEPIE
DSECT Name: EPIE
Owning Component: Recovery Termination Manager (SCR TM)
Eye-Catcher ID: EPIE
 Offset: X'0'
 Length: 4
Storage Attributes: Subpool: 130 or 250
 Key: TCB Key
Size: 292 bytes
Created by: IEAVTESP
Pointed to by: Register 1 upon entry to an ESPIE exit routine. The EPIE can also be found via TCBPIE + 32 (The EPIE immediately follows the PIE in storage).
Serialization: Task Active
Function: The EPIE is used to pass program interruption information to an ESPIE exit routine.

EPIE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EPIE	
0	(0)	CHARACTER	4	EPIEIEPIE	EPIE CONTROL BLOCK IDENTIFIER IN EBCDIC
4	(4)	ADDRESS	4	EPIEPARM	PARAMETER LIST ADDRESS SPECIFIED BY PARAM OPTION OF ESPIE MACRO
8	(8)	CHARACTER	64	EPIEGPR (0)	General purpose registers at time of interruption. When EPIEPITX is on, these are the registers that resulted from the transaction abort due to the program interrupt
8	(8)	CHARACTER	64	EPIEGPRA (0)	Same as EPIEGPR
8	(8)	SIGNED	4	EPIEGR00	- Register 0
12	(C)	SIGNED	4	EPIEGR01	- Register 1
16	(10)	SIGNED	4	EPIEGR02	- Register 2
20	(14)	SIGNED	4	EPIEGR03	- Register 3
24	(18)	SIGNED	4	EPIEGR04	- Register 4
28	(1C)	SIGNED	4	EPIEGR05	- Register 5
32	(20)	SIGNED	4	EPIEGR06	- Register 6
36	(24)	SIGNED	4	EPIEGR07	- Register 7
40	(28)	SIGNED	4	EPIEGR08	- Register 8
44	(2C)	SIGNED	4	EPIEGR09	- Register 9
48	(30)	SIGNED	4	EPIEGR10	- Register 10
52	(34)	SIGNED	4	EPIEGR11	- Register 11
56	(38)	SIGNED	4	EPIEGR12	- Register 12
60	(3C)	SIGNED	4	EPIEGR13	- Register 13
64	(40)	SIGNED	4	EPIEGR14	- Register 14
68	(44)	SIGNED	4	EPIEGR15	- Register 15
72	(48)	CHARACTER	8	EPIEPSW (0)	EC MODE PROGRAM OLD PSW When EPIEPITX is on, this is the PSW that resulted from the transaction abort due to the program interrupt
72	(48)	BITSTRING	1	EPIEEMK1	Interrupt information masks
73	(49)	BITSTRING	1	EPIEMWP1	PSW key and 'M-W-P'
74	(4A)	BITSTRING	1	EPIECCPM	Condition code and program mask
75	(4B)	BITSTRING	1		Reserved
76	(4C)	SIGNED	4	EPIENXT1 (0)	Address of the next instruction to be executed
76	(4C)	BITSTRING	1	EPIEAMF1	Addressing mode flag
		1... ..		EPIEMOD1	"X'80" Addressing mode of the next instruction to be executed
77	(4D)	CHARACTER	3	EPIEADD1	24 bit instruction address
80	(50)	CHARACTER	4	EPIEINT (0)	Program interruption information for EPIEPSW
80	(50)	CHARACTER	1	EPIEIRSV	Reserved
81	(51)	BITSTRING	1	EPIEILC1	Instruction Length Code byte (indicates the number of bytes in the failing instruction)
		.... .11.		EPIEIL1	"X'06" Instruction Length Code Mask (can be used to access the number of halfwords in the failing instruction)
82	(52)	CHARACTER	2	EPIEINC1 (0)	Interrupt Code bytes
82	(52)	BITSTRING	1	EPIEICD0	PIC high byte
83	(53)	BITSTRING	1	EPIEICD1	Program Interrupt Code
84	(54)	ADDRESS	4	EPIETEA	TRANSLATION EXCEPTION ADDRESS IF EPIEINT FIELD CONTAINS A PAGE FAULT INTERRUPT CODE
84	(54)	BITSTRING	3		
87	(57)	BITSTRING	1	EPIEDXC	Data exception code if EPIEINC1 indicates program interrupt 7
88	(58)	CHARACTER	64	EPIEAR (0)	ACCESS REGISTERS AT TIME OF INTERRUPTION
88	(58)	SIGNED	4	EPIEAR00	- Access Register 0
92	(5C)	SIGNED	4	EPIEAR01	- Access Register 1
96	(60)	SIGNED	4	EPIEAR02	- Access Register 2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
100	(64)	SIGNED	4	EPIEAR03	- Access Register 3
104	(68)	SIGNED	4	EPIEAR04	- Access Register 4
108	(6C)	SIGNED	4	EPIEAR05	- Access Register 5
112	(70)	SIGNED	4	EPIEAR06	- Access Register 6
116	(74)	SIGNED	4	EPIEAR07	- Access Register 7
120	(78)	SIGNED	4	EPIEAR08	- Access Register 8
124	(7C)	SIGNED	4	EPIEAR09	- Access Register 9
128	(80)	SIGNED	4	EPIEAR10	- Access Register 10
132	(84)	SIGNED	4	EPIEAR11	- Access Register 11
136	(88)	SIGNED	4	EPIEAR12	- Access Register 12
140	(8C)	SIGNED	4	EPIEAR13	- Access Register 13
144	(90)	SIGNED	4	EPIEAR14	- Access Register 14
148	(94)	SIGNED	4	EPIEAR15	- Access Register 15
152	(98)	BITSTRING	1	EPIEVERS	EPIE VERSION INDICATOR
152	(98)	X'1'	0	EPIEV1	"1" VERSION 1 INDICATOR
152	(98)	X'2'	0	EPIEV2	"2" VERSION 2 INDICATOR
152	(98)	X'3'	0	EPIEV3	"3" VERSION 3 INDICATOR
152	(98)	X'4'	0	EPIEV4	"4" VERSION 4 INDICATOR
153	(99)	BITSTRING	1	EPIEFLGS	EPIE FLAGS
		1...		EPIERCTL	"X'80" RETRY MODE FROM AN EXIT ROUTINE IS CONTROLLED BY THE CORRESPONDING BIT SETTINGS IN THE EPIEPSW FOR THE FOLLOWING CONDITION(S): . BIT(17) - PRIMARY(0) VS AR(1) ASC MODES NOTE: ALL RESERVED BITS IN THE PSW MUST REMAIN ZERO IN THE EPIEPSW
		.1.		EPIEUP64	"X'40" If on, use the values in EPIEG64 to update the registers, rather than those in EPIEGPR
		..1.		EPIEUKEY	"X'20" If on, resume using the PSW key in EPIEPSW instead of the one from the time that the ESPIE exit was established (if the requested key is allowed by the PKM)
		...1		EPIEPERC	"X'10" An ESPIE exit may set this bit to request that a program exception be 'percolated' to RTM instead of a resume taking place. When this function is requested, the ESPIE exit must not alter the register and AR contents in the EPIE. Note that percolation to RTM does NOT cause the ESPIE exit to be deactivated.
		.... 1...		EPIERSET	"X'08" Set this bit to request an ESPIE RESET while the system honors your request to resume or to percolate to RTM. This mechanism should be used instead of issuing ESPIE RESET from the ESPIE exit. To RESET to a previous SPIE/ESPIE exit, set this bit and place its token in EPIERTOK before returning to the system.
154	(9A)	CHARACTER	1	EPIEICX	Interrupt code extended info
		.... ..1.		EPIEPITX	"X'02"
155	(9B)	CHARACTER	1		RESERVED
156	(9C)	CHARACTER	4	EPIERTOK	Token to be used when EPIERSET has been set. This token was returned when your program issued ESPIE SET and is the same one that would be specified when invoking ESPIE RESET. As with ESPIE RESET, a token value of zero will cause all SPIE and ESPIE exits to be deleted
156	(9C)	X'A0'	0	EPIEV0LEN	**-"EPIE" VERSION-0 LENGTH
156	(9C)	X'A0'	0	EPIEV1LEN	**-"EPIE" VERSION-1 LENGTH
160	(A0)	CHARACTER	128	EPIEG64 (0)	64-bit GPRs at time of interruption. When EPIEPITX is of interruption. When EPIEPITX is on, these are the registers that resulted from the transaction abort due to the program interrupt
160	(A0)	DBL WORD	8	EPIEG6400	- Register 0
168	(A8)	DBL WORD	8	EPIEG6401	- Register 1
176	(B0)	DBL WORD	8	EPIEG6402	- Register 2
184	(B8)	DBL WORD	8	EPIEG6403	- Register 3
192	(C0)	DBL WORD	8	EPIEG6404	- Register 4
200	(C8)	DBL WORD	8	EPIEG6405	- Register 5
208	(D0)	DBL WORD	8	EPIEG6406	- Register 6
216	(D8)	DBL WORD	8	EPIEG6407	- Register 7
224	(E0)	DBL WORD	8	EPIEG6408	- Register 8
232	(E8)	DBL WORD	8	EPIEG6409	- Register 9
240	(F0)	DBL WORD	8	EPIEG6410	- Register 10
248	(F8)	DBL WORD	8	EPIEG6411	- Register 11
256	(100)	DBL WORD	8	EPIEG6412	- Register 12
264	(108)	DBL WORD	8	EPIEG6413	- Register 13
272	(110)	DBL WORD	8	EPIEG6414	- Register 14
280	(118)	DBL WORD	8	EPIEG6415	- Register 15
280	(118)	X'120'	0	EPIEV2LEN	**-"EPIE" VERSION-2 LENGTH
288	(120)	CHARACTER	8	EPIEBEA	Breaking Event Address
296	(128)	CHARACTER	16	EPIEPS16	16-byte error PSW. When EPIEPITX is on, this is the PSW that resulted from the transaction abort due to the program interrupt
312	(138)	CHARACTER	8		Reserved
312	(138)	X'140'	0	EPIEV3LEN	**-"EPIE" VERSION-3 LENGTH
312	(138)	CHARACTER	128	EPIETXPG64	When bit EPIEPITX is on, contains the 64-bit GRs at the time of the program interrupt (from the PITDB)

EPIE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
440	(1B8)	CHARACTER	16	EPIETXPPSW16	When bit EPIEPITX is on, contains the 16-byte PSW at the time of the program interrupt (from the PITDB)
456	(1C8)	CHARACTER	8		Reserved
456	(1C8)	X'1D0'	0	EPIEV4LEN	**-"EPIE" VERSION-4 LENGTH
456	(1C8)	X'1D0'	0	EPIELEN	**-"EPIE" CURRENT-VERSION LENGTH

EPIE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EPIE	0		EPIEICX	9A	
EPIEADD1	4D		EPIEILC1	51	
EPIEAMF1	4C		EPIEIL1	51	6
EPIEAR	58		EPIEINC1	52	
EPIEAR00	58		EPIEINT	50	
EPIEAR01	5C		EPIEIRSV	50	
EPIEAR02	60		EPIELEN	1C8	1D0
EPIEAR03	64		EPIEMOD1	4C	80
EPIEAR04	68		EPIEMWP1	49	
EPIEAR05	6C		EPIENXT1	4C	
EPIEAR06	70		EPIEPARM	4	
EPIEAR07	74		EPIEPERC	99	10
EPIEAR08	78		EPIEPITX	9A	2
EPIEAR09	7C		EPIEPSW	48	
EPIEAR10	80		EPIEPS16	128	
EPIEAR11	84		EPIERCTL	99	80
EPIEAR12	88		EPIERSET	99	8
EPIEAR13	8C		EPIERTOK	9C	
EPIEAR14	90		EPIETEA	54	
EPIEAR15	94		EPIETXPG64	138	
EPIEBEA	120		EPIETXPPSW16	1B8	
EPIECCPM	4A		EPIEUKEY	99	20
EPIEDXC	57		EPIEUP64	99	40
EPIEEMK1	48		EPIEVERS	98	
EPIEPIE	0		EPIEV0LEN	9C	A0
EPIEFLGS	99		EPIEV1	98	1
EPIEGPR	8		EPIEV1LEN	9C	A0
EPIEGPRA	8		EPIEV2	98	2
EPIEGR00	8		EPIEV2LEN	118	120
EPIEGR01	C		EPIEV3	98	3
EPIEGR02	10		EPIEV3LEN	138	140
EPIEGR03	14		EPIEV4	98	4
EPIEGR04	18		EPIEV4LEN	1C8	1D0
EPIEGR05	1C				
EPIEGR06	20				
EPIEGR07	24				
EPIEGR08	28				
EPIEGR09	2C				
EPIEGR10	30				
EPIEGR11	34				
EPIEGR12	38				
EPIEGR13	3C				
EPIEGR14	40				
EPIEGR15	44				
EPIEG64	A0				
EPIEG6400	A0				
EPIEG6401	A8				
EPIEG6402	B0				
EPIEG6403	B8				
EPIEG6404	C0				
EPIEG6405	C8				
EPIEG6406	D0				
EPIEG6407	D8				
EPIEG6408	E0				
EPIEG6409	E8				
EPIEG6410	F0				
EPIEG6411	F8				
EPIEG6412	100				
EPIEG6413	108				
EPIEG6414	110				
EPIEG6415	118				
EPIEICD0	52				
EPIEICD1	53				

EQSRD Information

EQSRD Heading Information

Common Name: Extended Quick Start Record for Extended PLPA
Macro ID: ILREQSRD
DSECT Name: EQSR
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: EQSR
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: Above 16 Megabytes virtual
Size: 8192 bytes
Created by: ILRASRIM
Pointed to by: NVTQSBUF plus length (QSR). The EQSR is contiguous in storage following QSR.
Serialization: None
Function: Contains all the information necessary to rebuild the Extended Quick Startable LPA (EPLPA) on a quick or warm start IPL. Consists of a header and a map of pointers to SQSRs (ILRXQSRDs) that contain the primary and secondary LSID information for the EPLPA pages on the PLPA data set.

EQSRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8192	EQSR	Extended Quick Start Record
0	(0)	CHARACTER	192	EQSRHDR	EQSR header
0	(0)	CHARACTER	4	EQSRIDNT	Control block identifier, set to C'EQSR'
4	(4)	ADDRESS	4	EQSRNUCS	Start of read-write nucleus
8	(8)	ADDRESS	4	EQSRNUCE	End of read-write nucleus
12	(C)	ADDRESS	4	EQSRPLPS	Low virtual address (start address of EPLPA). This address must be rounded down to a page boundary
16	(10)	ADDRESS	4	EQSRPLPE	Address of first byte beyond top (end) of EPLPA. This address must be rounded up to a page boundary
20	(14)	BITSTRING	1	EQSRFLGS	EQSR flag byte
		1... ..		EQSRPLPF	PLPA data set full flag. 1 = PLPA became full during system initialization of EPLPA, 0 = PLPA not full yet
		.1.. ..		EQSRCOMF	Common data full flag. 1 = Common data set became full during system initialization of EPLPA, 0 = Common data set not full yet
		..11 1111		EQSRFRSV	Reserved
21	(15)	CHARACTER	3	EQSRSRV2	Reserved
24	(18)	CHARACTER	8	EQSRSYNC	Time stamp for EQSR record
32	(20)	ADDRESS	4	EQSRSRV3	Pointer to XQSR in QSR
36	(24)	SIGNED	4	EQSRXNUM	Number of XQSRs for EPLPA
40	(28)	CHARACTER	152	EQSRSRV4	Reserved
192	(C0)	CHARACTER	8000	EQSRMAP	8000-byte map of EPLPA XQSR LSIDs made up of 4-byte entries

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EQSRENTN	EQSR entry containing LSIDs for EPLPA XQSRs, the entries are built in ascending order of virtual address, each entry will contain one LSID. The first zero entry indicates the end of the entries in use
0	(0)	SIGNED	4	EQSRLSID	Logical slot ID for PLPA data set of EPLPA XQSR
0	(0)	CHARACTER	1	EQSRPTNN	PART number portion of LSID identifying page data set
1	(1)	CHARACTER	3	EQSR SLOT	Slot number portion of LSID identifying slot within the PLPA page data set

EQSRD Cross Reference

EQSRD Cross Reference

Name	Hex Offset	Hex Value
EQSR	0	
EQSRCOMF	14	40
EQSRENTN	0	
EQSRFLGS	14	
EQSRFRSV	14	3F
EQSRHDR	0	
EQSRIDNT	0	
EQSRLSID	0	
EQSRMAP	C0	
EQSRNUCE	8	
EQSRNUCS	4	
EQSRPLPE	10	
EQSRPLPF	14	80
EQSRPLPS	C	
EQSRPTNN	0	
EQSRSLOT	1	
EQSRSRV2	15	
EQSRSRV3	20	
EQSRSRV4	28	
EQRSYNC	18	
EQSRXNUM	24	

ERPMSG Information

ERPMSG Heading Information

Common Name: IOS/ERP I/O ERROR MESSAGE MAPPING
Macro ID: IECDLMSG
DSECT Name: MSG
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 252
 Key: 0
Size: 140 bytes
Created by: IGE0025C and message exits
Pointed to by: N/A
Serialization: NONE
Function: This DSECT is used by IGE0025C and the message exits to map the message parameter list and the message buffer for the following messages:
 IOS000I - Permanent I/O error
 IOS001I - PATH INOPERATIVE
 IOS002A - NO PATHS AVAILABLE
 IOS003A - INTERVENTION REQUIRED
 The following can be issued when > 4-digit device numbers must be surfaced:
 IOS1000I - Permanent I/O error
 IOS1001I - PATH INOPERATIVE
 IOS1002A - NO PATHS AVAILABLE
 IOS1003A - INTERVENTION REQUIRED

ERPMSG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	140	MSG	
0	(0)	ADDRESS	4	MSGIOSBP	IOSB ADDRESS
4	(4)	ADDRESS	4	MSGPOSP	POSITION POINTER WITHIN MESSAGE BUFFER
8	(8)	CHARACTER	1	MSGTYPE	TYPE OF MESSAGE (FOR EXITS)
		1.. ..		MSGTYPIR	INTERVENTION REQUIRED
		.1.. ..		MSGTYYPE	PERMANENT I/O ERROR
		..1.		MSGTYPII	PATH INOPERATIVE
		...1		MSGTYPNP	NO PATHS AVAILABLE
		.... 1111		*	RESERVED
9	(9)	CHARACTER	1	MSGFLAG	COMMUNICATION FROM EXITS
		1...		MSGFLGNU	BYPASS SETTING UCBNRY AND UCBIVRS
		.1.		MSGFLGND	BYPASS ISSUING DOM
		..1.		MSGFLG7F	SET I/O COMPLETION CODE TO 7F
		...1		MSGFLGNR	SET UCBNRY & UCBIVRS
		.... 1..		MSGFLGLD	Larger than 4-digit device number present in this message
		.... .111		*	RESERVED
10	(A)	UNSIGNED	1	MSGTOFF	Offset to start of the text in the message
11	(B)	UNSIGNED	1	MSGADOFF	Offset to the start of the text that immediately follows the device number in the message
12	(C)	CHARACTER	128	MSGBUF	START OF MESSAGE BUFFER (4 + MESSAGE TEXT LENGTH)
12	(C)	CHARACTER	2	MSGCNT	MESSAGE LENGTH COUNT
14	(E)	CHARACTER	2	MSGMCSF	MCS FLAGS
		1...		MSGHIGH	ROUTE/DESCRIPTOR CODE FIELDS PRESENT INDICATOR
		.111 1..		*	
		.... .1..		MSGBDCT	BROADCAST THIS MESSAGE TO ALL ACTIVE CONSOLES INDICATOR
14	(E)	BITSTRING	0	*	RESERVED
15	(F)	.1.		MSGMLWTO	MLWTO INDICATOR
		..11 1111		*	RESERVED
16	(10)	CHARACTER	124	MSGTXT	MESSAGE TEXT (MAXIMUM 124 CHARACTERS)
16	(10)	CHARACTER	9	MSGIDX	Message identifier

ERPMSG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	CHARACTER	8	MSGID	MESSAGE IDENTIFIER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	116	MSGCTXTA	
0	(0)	CHARACTER	116	MSGCNTXT	MESSAGE TEXT. This may be a maximum of 116 characters, but may also be less than 116 characters due to larger message numbers and device numbers. Exits should ensure that the total length of MSGTXT will not exceed 124 characters.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	MSGCODES	DESCRIPTION AND ROUTE CODE
0	(0)	CHARACTER	2	MSGDESC	DESCRIPTION-ACTION,STATUS
2	(2)	CHARACTER	1	MSGROUT	DEVICE DEPENDENT ROUTE CODE
3	(3)	CHARACTER	1	MSGROUT2	TYPE OF MESSAGE ERROR
4	(4)	CHARACTER	4	MSGML	LINE TYPE INDICATOR FOR MLWTO

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	5	MSGINTRQ	INTERVENTION REQUIRED MESSAGE
0	(0)	CHARACTER	5	MSG1DEVX	5-digit device number
0	(0)	CHARACTER	4	MSG1DEVN	DEVICE NUMBER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	23	MSG1T	begins after the device number
0	(0)	CHARACTER	1	MSG1C1	COMMA
1	(1)	CHARACTER	21	MSG1TXT	INT REQ TEXT
22	(16)	CHARACTER	1	MSG1END	END OF GENERAL MESSAGE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	5	MSGPERM	PERMANENT I/O ERROR MESSAGE
0	(0)	CHARACTER	5	MSG2DEVX	5-digit device number
0	(0)	CHARACTER	4	MSG2DEVN	DEVICE NUMBER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	MSG2T	begins after the device number
0	(0)	CHARACTER	1	MSG2C1	COMMA
1	(1)	CHARACTER	2	MSG2PTH	PATH ID
3	(3)	CHARACTER	1	MSG2C2	COMMA
4	(4)	CHARACTER	3	MSG2DESC	ERROR DESCRIPTION
7	(7)	CHARACTER	1	MSG2C3	COMMA
8	(8)	CHARACTER	2	MSG2OP	CCW OP CODE
10	(A)	CHARACTER	1	MSG2C4	COMMA
11	(B)	CHARACTER	4	MSG2STAT	STATUS
15	(F)	CHARACTER	1	MSG2C5	COMMA
16	(10)	CHARACTER	12	MSG2SNS	SENSE BYTES
16	(10)	CHARACTER	1	MSG2IO1	COMMA IF NO SENSE
17	(11)	CHARACTER	1	MSG2IO2	COMMA IF NO SENSE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	5	MSGINOP	PATH INOPERATIVE MESSAGE
0	(0)	CHARACTER	5	MSG3DEVX	5-digit device number
0	(0)	CHARACTER	4	MSG3DEVN	DEVICE NUMBER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	MSG3T	begins after the device number
0	(0)	CHARACTER	1	MSG3C1	COMMA
1	(1)	CHARACTER	16	MSG3TXT	MESSAGE TEXT
17	(11)	CHARACTER	1	MSG3S	TEXT FOR PLURAL INOPERATIVE PATH IDS
18	(12)	CHARACTER	1	MSG3BLNK	BLANK
19	(13)	CHARACTER	20	MSG3PTHS	PATH ID
39	(27)	CHARACTER	1	MSG3END	END OF GENERAL MESSAGE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	5	MSGNOPH	NO PATHS AVAILABLE MSG
0	(0)	CHARACTER	5	MSG4DEVX	5-digit device number
0	(0)	CHARACTER	4	MSG4DEVN	DEVICE NUMBER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	MSG4T	begins after the device number
0	(0)	CHARACTER	1	MSG4C1	COMMA
1	(1)	CHARACTER	18	MSG4TXT	MESSAGE TEXT
19	(13)	CHARACTER	1	MSG4END	END OF GENERAL MESSAGE

ERPMSG Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MSG	0		MSG2C3	7	
MSGADOFF	B		MSG2C4	A	
MSGBDCT	E	04	MSG2C5	F	
MSGBUF	C		MSG2DESC	4	
MSGCNT	C		MSG2DEVN	0	
MSGCNTXT	0		MSG2DEVX	0	
MSGCODES	0		MSG2IO1	10	
MSGCTXTA	0		MSG2IO2	11	
MSGDESC	0		MSG2OP	8	
MSGFLAG	9		MSG2PTH	1	
MSGFLGLD	9	08	MSG2SNS	10	
MSGFLGND	9	40	MSG2STAT	B	
MSGFLGNR	9	10	MSG2T	0	
MSGFLGNU	9	80	MSG3BLNK	12	
MSGFLG7F	9	20	MSG3C1	0	
MSGHIGH	E	80	MSG3DEVN	0	
MSGID	10		MSG3DEVX	0	
MSGIDX	10		MSG3END	27	
MSGINOP	0		MSG3PTHS	13	
MSGINTRQ	0		MSG3S	11	
MSGIOSBP	0		MSG3T	0	
MSGMCSF	E		MSG3TXT	1	
MSGML	4		MSG4C1	0	
MSGMLWTO	F	40	MSG4DEVN	0	
MSGNOPH	0		MSG4DEVX	0	
MSGPERM	0		MSG4END	13	
MSGPOSP	4		MSG4T	0	
MSGROUT	2		MSG4TXT	1	
MSGROUT2	3				
MSGTOFF	A				
MSGTXT	10				
MSGTYPE	8				
MSGTYPIR	8	80			
MSGTYPNP	8	10			
MSGTYPE	8	40			
MSGTYPPI	8	20			
MSG1C1	0				
MSG1DEVN	0				
MSG1DEVX	0				
MSG1END	16				
MSG1T	0				
MSG1TXT	1				
MSG2C1	0				
MSG2C2	3				

ESA Information

ESA Heading Information

Common Name: RTM2 EXTENDED SAVE AREA
Macro ID: RTM2ESA
DSECT Name: RTM2ESA
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 255
 Key: 0
Size: 49 BYTES
Created by: SVC FLIH
Pointed to by: RBEXSAVE OF THE SVRB DATA AREA
Serialization: TASK ACTIVE
Function: RTM2ESA MAPS THE USAGE OF THE SVRB EXTENDED SAVE AREA (RBEXSAVE) BY RTM2. IT IS USED TO HOLD RECURSION DATA, AS WELL AS TO HOLD WORKING FLAGS AND INFORMATION PASSED FROM THE SVC FLIH AND FROM RTM1.

ESA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	RTM2ESA	
0	(0)	CHARACTER	28	ESAREGS	REGISTERS SET BY SVC SLIH
0	(0)	ADDRESS	4	ESAR0	REGISTER 0 - PARAMETERS
4	(4)	ADDRESS	4	ESAR1	REGISTER 1 - PARAMETERS
4	(4)	BITSTRING	1	ESACCF1	FLAGS IN REGISTER ONE ON ENTRY
		1...		ESADREQ1	ON, DUMP REQUESTED
		.1.		ESASTEP1	ON, STEP OPTION USED ON ABEND MACRO
		..1.		ESAR0DP1	REGISTER 0 CONTAINED PARAMETERS ON ENTRY
		...1		ESAEOM1	ON, ENTRY IS FOR MEMORY PURGES
		.... 1..		ESAEOT1	ON, ENTRY IS FOR NORMAL EOT
		.... .1.		ESARCREQ	ON, REASON REQUESTED
		.... ..11		*	RESERVED
5	(5)	CHARACTER	3	ESACC1	COMPLETION CODE
8	(8)	ADDRESS	4	*	STRUCTURE FOR REASON CODE
8	(8)	UNSIGNED	1	ESA40DRC	CRITICAL ERROR REASON CODE TO BE PROVIDED WITH X'40D'
					MEMTERM
9	(9)	CHARACTER	3	*	RESERVED
12	(C)	ADDRESS	4	ESAR4	REGISTER 4 - TCB ADDRESS
16	(10)	ADDRESS	4	ESAR5	REGISTER 5 - RB ADDRESS
20	(14)	ADDRESS	4	ESAR7	REGISTER 7 - ASCB ADDRESS
24	(18)	ADDRESS	4	ESAR14	REGISTER 14 - RETURN ADDRESS
28	(1C)	ADDRESS	4	ESAEEEDQ	PTR TO EED QUEUE, SAVED FROM TCB
32	(20)	ADDRESS	4	ESART2WA	PTR TO RTM2 WORK AREA
36	(24)	CHARACTER	4	ESART2D	DESCRIPTION OF RTM2 WORK AREA
36	(24)	UNSIGNED	1	ESAWSPID	SUBPOOL OF WORK AREA
37	(25)	UNSIGNED	3	ESAWLEN	LENGTH OF WORK AREA
40	(28)	BITSTRING	1	ESAFLAGS	FLAGS SAVED FROM TCB
		1...		ESARTM2	ON, THIS ENTRY IS RECURSIVE
		.1.		ESAABTRM	ON, ENTRY WAS VIA ABTERM
		..1.		ESAPGNLY	ON, ENTRY WAS FOR PURGES
		...1		ESACTS	ON, ENTRY WAS FOR CONVERTED TO STEP
		.... 1..		ESANEOT	ENTRY FOR NORMAL END OF TASK
		.... .1.		ESAEOT	TASK IS BEING TERMINATED
		.... ..1.		ESAVEOM	ENTRY FOR VALID END OF MEMORY
		.... ...1		ESART1S	IF ON, RTM1 HAS ALREADY INVOKED SLIP ON BEHALF OF THE ERROR
41	(29)	BITSTRING	1	ESARFLAG	FLAGS USED FOR RECURSION
		1...		ESAGMREC	ON DURING GETMAIN. IF GETMAIN FAILS, NEXT ENTRY WILL TERMINATE THE MEMORY
		.1..		ESASDREC	ON DURING SDUMP IN CASE OF RECURSION
		..1.		ESAINREC	ON DURING INITIALIZATION IN CASE OF RECURSION
		...1		ESAGLREC	ON, SETLOCK IN PROGRESS
		.... 1..		ESAFERR	ON, RTM2 HAS ENCOUNTERED AN ERROR WHICH NEGATES FURTHER PROCESSING
		.... .1.		ESARTCR	ON DURING CHECK FOR RECUR.
		.... ..1.		ESANEFF	ON DURING SLIP PROCESS AND OTHER NON-ESSENTIAL FUNCTIONS (FAIN)
		.... ...1		ESAWAREC	ON, INDICATES THE PTR TO THE PREVIOUS RTM2 WORK AREA IS INVALID AND RTM2 WILL TERMINATE THE MEMORY.
42	(2A)	ADDRESS	1	ESAERTYP	INDICATE TYPE OF ERROR ENTRY INTO RTM1

ESA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
43	(2B)	ADDRESS	1	ESAMODE	MODE OF SYSTEM AT TIME OF ERROR
44	(2C)	CHARACTER	4	ESACMP	COMPLETION CODE FROM TCB
44	(2C)	BITSTRING	1	ESACCF	COMPLETION CODE FIELD FLAGS
		1...		ESADREQ	ON, DUMP REQUESTED
		.1..		ESASTEP	ON, STEP OPTION REQUESTED
		..1.		ESAR0DP	REGISTER 0 CONTAINED PARAMETERS ON ENTRY
		...1		ESANOCC	A COMPLETION CODE WAS NOT PROVIDED ON CALLRTM MACRO A DEFAULT CODE IS BEING USED
		.... 1..		ESAASID	ABEND WAS SCHEDULED VIA CROSS MEMORY ABTERM
		.... .111		*	RESERVED
45	(2D)	CHARACTER	3	ESACC	COMPLETION CODE

ESA Cross Reference

Name	Hex Offset	Hex Value
ESAABTRM	28	40
ESAASID	2C	08
ESACC	2D	
ESACCF	2C	
ESACCF1	4	
ESACC1	5	
ESACMP	2C	
ESACTS	28	10
ESADREQ	2C	80
ESADREQ1	4	80
ESAEEDQ	1C	
ESAEOM1	4	10
ESAEOT	28	04
ESAEOT1	4	08
ESAERTYP	2A	
ESAFERR	29	08
ESAFLAGS	28	
ESAGLREC	29	10
ESAGMREC	29	80
ESAINREC	29	20
ESAMODE	2B	
ESANEFF	29	02
ESANEOT	28	08
ESANOCC	2C	10
ESAPGNLY	28	20
ESARCREQ	4	04
ESAREGS	0	
ESARFLAG	29	
ESARTCR	29	04
ESARTM2	28	80
ESART1S	28	01
ESART2D	24	
ESART2WA	20	
ESAR0	0	
ESAR0DP	2C	20
ESAR0DP1	4	20
ESAR1	4	
ESAR14	18	
ESAR4	C	
ESAR5	10	
ESAR7	14	
ESASDREC	29	40
ESASTEP	2C	40
ESASTEP1	4	40
ESAVEOM	28	02
ESAWAREC	29	01
ESAWLEN	25	
ESAWSPID	24	
ESA40DRC	8	
RTM2ESA	0	

ESPI Information

ESPI Heading Information

Common Name: EXTENDED SPIE PARAMETER LIST
Macro ID: IHAESPI
DSECT Name: EPIE
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER DEFINED
 Key: USER DEFINED
Size: 16 BYTES
Created by: ESPIE MACRO SET OPTION
Pointed to by: REGISTER 1 UPON ENTRY TO THE ESPIE SVC
Serialization: NONE
Function: ESPIE SET MACRO PARAMETER LIST

ESPI Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	16	ESPI		
0	(0)	ADDRESS	4	ESPIEXIT	ADDRESS OF USER EXIT ROUTINE. (HIGH ORDER BIT MUST BE ZERO WHEN PASSED TO THE ESPIE SET FUNCTION, AND INDICATES THE EXIT ROUTINES ADDRESSING MODE WHEN RETURNED FROM ESPIE TEST.)	
4	(4)	ADDRESS	4	ESPIPARM	ADDRESS OF USER DEFINED PARAMETER LIST	
8	(8)	BITSTRING	4	ESPIITMK	MASK OF PROGRAM INTERRUPTION TYPES	
12	(C)	ADDRESS	4	ESPIARSV	RESERVED	

ESTA Information

ESTA Heading Information

Common Name: EXTENDED STAE PARAMETER LIST
Macro ID: IHAESTA
DSECT Name: ESTA
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER DEFINED
 Key: USER DEFINED
Size: 24 BYTES
Created by: ESTAE MACRO EXPANSION
Pointed to by: REGISTER 1 UPON ENTRY TO THE ESTAE SERVICE ROUTINE
Serialization: NONE
Function: ESTAE SET MACRO PARAMETER LIST

ESTA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	ESTA	
0	(0)	ADDRESS	4	ESTAEXT	FLAGS AND USER EXIT ADDRESS
0	(0)	CHARACTER	1	ESTAFLG1	OPTION FLAGS
		1... ..		ESTASTAI	(E)STAI REQUEST (TCB SPECIFIED)
		.1.		ESTAARM	ON, INDICATES ACCESS REGISTER ASC MODE.
		..1.		ESTAENCL	CANCEL(NO) SPECIFIED. ESTAE RUNS PROTECTED FROM CANCELS AND DETACHS.
		...1		ESTAESTA	ESTAI/ESTAE PARAMETER LIST. OFF, INDICATES STAI/STAE PARMS
		.... 1..		ESTATPS	TOKEN PARAMETER SPECIFIED
		.... .1..		ESTASYN	ALLOW ASYNCHRONOUS INTERRUPTS
		.... ..11		ESTAIO	I/O PROCESSING OPTIONS, BITS 6&7 00 - QUIESCE I/O 01 - HALT I/O 10 - BYPASS I/O INTERVENTION 11 - RESERVED
		.... ..1.		ESTANOIO	BYPASS I/O INTERVENTION
		.... ..11		ESTAHALT	HALT I/O
1	(1)	ADDRESS	3	ESTAEXIT	24-BIT ADDRESS OF USER EXIT ROUTINE
4	(4)	ADDRESS	4	ESTAPARM	ADDRESS OF USER PARAMETER LIST
8	(8)	ADDRESS	4	ESTAOWNR	TCB ADDRESS IF (E)STAI REQUEST, OTHERWISE, ZERO
12	(C)	ADDRESS	4	ESTAFGRS	FLAGS AND RESERVED FIELD
12	(C)	CHARACTER	1	ESTAFLG2	OPTION FLAGS
		1... ..		ESTALO31	LOC 31 SDWA REQUESTED
		.1.		ESTATERM	REQUEST FOR TERM PROCESSING
		..1.		ESTAEREC	REQUEST FOR ERROR RECORDING
		...1 1..		*	RESERVED
		.... .1..		ESTABRNT	REQUEST FOR FESTAE
		.... ..11		*	RESERVED
13	(D)	CHARACTER	1	ESTAFLG3	OPTION/LEVEL FLAGS
		1111 111.		*	RESERVED
		.... ..1		ESTANXIT	ADDRESS OF THE EXIT ROUTINE IS IN ESTANEXT FIELD
14	(E)	ADDRESS	2	ESTARSVI	RESERVED
16	(10)	SIGNED	4	ESTATOKN	TOKEN VALUE
20	(14)	ADDRESS	4	ESTANEXT	31-BIT EXIT ADDRESS USED IF ESTANIXT FLAG SET BY USER

ESTA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ESTA	0		ESTANEXT	14	
ESTAARM	0	40	ESTANOIO	0	02
ESTABRNT	C	04	ESTANXIT	D	01
ESTAENCL	0	20	ESTAOWNR	8	
ESTAEREC	C	20	ESTAPARM	4	
ESTAESTA	0	10	ESTARSVI	E	
ESTAEXIT	1		ESTASTAI	0	80
ESTAEXT	0		ESTASYN	0	04
ESTAFGRS	C		ESTATERM	C	40
ESTAFLG1	0		ESTATOKN	10	
ESTAFLG2	C		ESTATPS	0	08
ESTAFLG3	D				
ESTAHALT	0	01			
ESTAIO	0	03			
ESTALO31	C	80			

ESW Information

ESW Heading Information

Common Name: ESW - Extended Status Word
Macro ID: IHAESW
DSECT Name: ESW
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: none
Storage Attributes: Subpool: N/A
 Key: 0
 Residency: Fixed in IOS work area
Size: 4 bytes
Created by: N/A
Pointed to by: BASED(ESWPTR) or user defined pointer
Serialization: None
Function: The ESW is part of the IRB and is stored on a store subchannel instruction

ESW Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	ESW	
0	(0)	CHARACTER	4	ESWNOLOG	Format of non-logout data
0	(0)	CHARACTER	1	*	Reserved
1	(1)	CHARACTER	1	ESWLPU M	Last Path Used Mask (LPUM)
2	(2)	UNSIGNED	2	ESWDCTI	Device Connect Time Interval

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	ESWLOG	Format of logout data
0	(0)	BITSTRING	1	ESWFLG1	Flags - byte 1
		1... ..		*	
		.111 1111		ESWECF	Error check flags -----
		.1.		ESWSKE	- Storage key error
		..1.		ESWMBPGC	- Measurement block program ck
		...1		ESWMBDC	- Measurement block data check
		.... 1...		ESWMBPTC	- Measurement block protection check
		.... .1..		ESWCCWC	- CCW check
		.... ..1.		ESWIDAWC	- IDAW or MIDAW check
		.... ...1		ESWALC	- Address Linit check
1	(1)	BITSTRING	1	ESWLPU M0	LPUM - Lat Path Used Mask
2	(2)	BITSTRING	1	ESWFLG2	Flags - byte 2
		1... ..		ESWAP	- Ancillary-Report bit
		.111 11..		ESW FVF	- Field Validity Flags
		.1.		ESWLPU MV	-Last Path Used Mask validity
		..1.		ESWTCV	-Termination code valid
		...1		ESWSCV	-Sequence code valid
		.... 1...		ESWDSV	-Device status valid
		.... .1..		ESWCCWV	-CCW address valid
		.... .1..		ESWTCWV	-For FCX, the ending TCW address is valid
		.... .1..		ESWAOBV	-For ADM, the AOB address is valid
		.... ..11		ESWSA	- Storage Access Code
3	(3)	BITSTRING	1	ESWFLG3	Flags - byte 3
		11..		ESWTC	- Termination Code (See DCLs)
		..1.		ESWD	- Device status check
		...1		ESWE	- Secondary error indication
		.... 1...		ESWIOA	- I/O error alert
		.... .111		ESWSEQC	- Sequence code

ESW Constants • ESW Cross Reference

ESW Constants

Len	Type	Value	Name	Description
Comment				
ESWSQ Field - Field definitions - Storage Access Codes				
End of Comment				
0	BIT	00	ESWSAUN	Access type - NON-DATA transfer or UNKNOWN
0	BIT	01	ESWSARD	Access type - READ
0	BIT	10	ESWSAWR	Access type - WRITE
0	BIT	11	ESWSARB	Access type - READ BACKWARD
Comment				
ESWTC Field - Field definitions - Termination Codes				
End of Comment				
0	BIT	00	ESWTID	Interface Disconnect
0	BIT	10	ESWTSR	Selective Reset
0	BIT	01	ESWTSSN	STOP, STACK, or NORMAL termination

ESW Cross Reference

Name	Hex Offset	Hex Value
ESW	0	
ESWALC	0	01
ESWAOBV	2	04
ESWAP	2	80
ESWCCWC	0	04
ESWCCWV	2	04
ESWD	3	20
ESWDCTI	2	
ESWDSV	2	08
ESWE	3	10
ESWECF	0	7F
ESWFLG1	0	
ESWFLG2	2	
ESWFLG3	3	
ESWFVF	2	7C
ESWIDAWC	0	02
ESWIOA	3	08
ESWLOG	0	
ESWLPU	1	
ESWLPUMV	2	40
ESWLPUM0	1	
ESWMBDC	0	10
ESWMBPGC	0	20
ESWMBPTC	0	08
ESWNOLOG	0	
ESWSA	2	03
ESWSCV	2	10
ESWSEQC	3	07
ESWSKE	0	40
ESWTC	3	C0
ESWTCV	2	20
ESWTCWV	2	04

ESWL Information

ESWL Heading Information

Common Name: Extended Status Word Long.
Macro ID: IHAESWL
DSECT Name: ESW
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
 Key: 0
 Residency: Fixed in IOS work area
Size: 20-bytes
Created by: N/A
Pointed to by: BASED(ESWPTR) or user defined pointer
Serialization: None
Function: Maps the fields of the extended status word.

ESWL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	ESW	
0	(0)	CHARACTER	4	ESWLOG	Format of logout data
0	(0)	BITSTRING	1	ESWFLG1	Flags - byte 0
		1... ..		*	Reserved, set to zero.
		.111 1111		ESWECF	Error check flags.
		.1.. ..		ESWSKE	Storage key error.
		..1.		ESWMBPGC	Measurement block program check.
		...1		ESWMBDC	Measurement block data check.
		.... 1...		ESWMBPTC	Measurement block protection check.
		.... .1..		ESWCCWC	CCW check.
		.... ..1.		ESWIDAWC	IDAW or MIDAW check
		.... ...1		ESWALC	Address limit check.
1	(1)	CHARACTER	1	ESWLPUM	LPUM - Last path used mask.
1	(1)	BITSTRING	1	ESWLPUM0	LPUM - Last path used mask.
2	(2)	UNSIGNED	2	ESWDCTI	Device connect time interval, format 2 ESW.
2	(2)	BITSTRING	1	ESWFLG2	Flags - byte 2.
		1... ..		ESWAP	Ancillary-Report bit
		.111 11..		ESWVFV	Field validity flags.
		.1..		ESWLPUMV	Last path used mask validity.
		..1.		ESWTCV	Termination code valid.
		...1		ESWSCV	Sequence code valid.
		.... 1...		ESWDSV	Device status valid.
		.... .1..		ESWCCWV	CCW address valid.
		.... ..1.		ESWTCWV	For FCX, the ending TCW address is valid
		.... ..1..		ESWAOBV	For EADM, the AOB address is valid
		.... ...11		ESWSA	Storage access code.
3	(3)	BITSTRING	1	ESWFLG3	Flags - byte 3
		11..		ESWTC	Termination code.
		..1.		ESWD	Device status check.
		...1		ESWE	Secondary error indication.
		.... 1...		ESWIOA	I/O error alert.
		.... .111		ESWSEQC	Sequence code.
4	(4)	CHARACTER	4	ESWERW	Extended report word.
4	(4)	BITSTRING	1	ESWERW0	ERW byte 0.
		1... ..		*	Reserved, set to zero.
		.1..		ESWRLO	Request logging only
		..1.		ESWXSLP	If on, extended-subchannel- logout data is pending
		...1		ESWIOAC	If on, authorization check failed during START or RESUME initialization
		.... 1...		ESWPVR	Path verification required flag
		.... .1..		ESWT	Device failed to respond to a signaling sequence.Channel-path timeout indicator
		.... ..1.		ESWFSAVF	Failing-storage address validity flag.
		.... ...1		ESWCS	Concurrent sense information stored.
5	(5)	BITSTRING	1	ESWERW1	ERW byte 1.
		1... ..		ESW2CCWV	Secondary CCW Address Valid
		.1..		*	Reserved, set to zero.
		..11 1111		ESWCSCNT	Number of sense bytes placed in the extended control word
6	(6)	BITSTRING	1	ESWERW2	ERW byte 2.
		1... ..		ESWOBE	The exception status stored in the EADM SCSW is associated with the specified EADM AOB
		.1..		ESWRBS	If one then the EADM Response Block (ARSB) is stored. When zero then the ARSB is not stored and the contents of the ARSB in the AOB have no meaning

ESWL Constants • ESWL Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..11 1111		*	Reserved, set to zero.
7	(7)	BITSTRING	1	ESWERW3	ERW byte 3.
7	(7)	BITSTRING	1	*	Reserved, set to zero.
8	(8)	ADDRESS	8	ESWEFSA	64-bit fail storage addr
8	(8)	UNSIGNED	4	ESWEFSAH	High order of 64-bit FSA
8	(8)	ADDRESS	4	ESWFSA	Failing-storage address when an invalid checking block code is detected for pre-fetched data, CCWs, IDAWs or MIDAWs.
8	(8)	BITSTRING	4	ESWXSLD	Extended-Subchannel-Logout Descriptor, valid when ESWXSLP is on
8	(8)	BITSTRING	1	ESWLOPM	Logout path mask
9	(9)	BITSTRING	2	*	Reserved
11	(B)	BITSTRING	1	ESWLT	Logout token
12	(C)	UNSIGNED	4	ESWEFSAL	Low order of 64-bit FSA
16	(10)	ADDRESS	4	ESW2CCWA	Absolute address of the Secondary CCW Address

ESWL Constants

Len	Type	Value	Name	Description
Comment				
ESWSA Field - Field definitions - Storage Access Codes				
End of Comment				
0	BIT	00	ESWSAUN	Access type - NON-DATA transfer or UNKNOWN
0	BIT	01	ESWSARD	Access type - READ
0	BIT	10	ESWSAWR	Access type - WRITE
0	BIT	11	ESWSARB	Access type - READ BACKWARD
Comment				
ESWTC Field - Field definitions - Termination Codes				
End of Comment				
0	BIT	00	ESWTID	Halt signal issued, interface disconnect.
0	BIT	01	ESWTSSN	STOP, STACK, or NORMAL termination
0	BIT	10	ESWTSR	Clear signal issued, selective reset.

ESWL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ESW	0		ESWLOPM	8	
ESWALC	0	01	ESWLPUM	1	
ESWAOBV	2	04	ESWLPUMV	2	40
ESWAP	2	80	ESWLPUM0	1	
ESWCCWC	0	04	ESWLT	B	
ESWCCWV	2	04	ESWMBDC	0	10
ESWCS	4	01	ESWMBPGC	0	20
ESWCSCNT	5	3F	ESWMBPTC	0	08
ESWD	3	20	ESWOBE	6	80
ESWDCTI	2		ESWPVR	4	08
ESWDSV	2	08	ESWRBS	6	40
ESWE	3	10	ESWRLO	4	40
ESWECF	0	7F	ESWSA	2	03
ESWEFSA	8		ESWSCV	2	10
ESWEFSAH	8		ESWSEQC	3	07
ESWEFSAL	C		ESWSKE	0	40
ESWERW	4		ESWT	4	04
ESWERW0	4		ESWTC	3	C0
ESWERW1	5		ESWTCV	2	20
ESWERW2	6		ESWTCWV	2	04
ESWERW3	7		ESWXSLD	8	
ESWFLG1	0		ESWXSLP	4	20
ESWFLG2	2		ESW2CCWA	10	
ESWFLG3	3		ESW2CCWV	5	80
ESWFSA	8				
ESWFSAVF	4	02			
ESWFVF	2	7C			
ESWIDAWC	0	02			
ESWIOA	3	08			
ESWIOAC	4	10			
ESWLOG	0				

ETD0 Information

ETD0 Programming Interface information

Programming Interface information

ETD0

End of Programming Interface information

ETD0 Heading Information • ETD0 Map

ETD0 Heading Information

Common Name: Entry Table Description
Macro ID: IHAETD
DSECT Name: ETD, ETDELE
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: None
Storage Attributes: Subpool: caller-supplied
 Key: caller-supplied
 Residency: caller-supplied
Size: Header of 8 bytes plus up to 256 entries of:
 20 bytes each - format 0
 40 bytes each - format 1
Created by: Issuer of the ETDEF macro in any accessible storage
Pointed to by: The ETCRE parameter list
Serialization: Provided by the caller of the Entry Table Create service
Function: Describes the entries to be assigned in the entry table created by the Entry Table Create service routine (IEAVXECR).

ETD0 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ETD	ENTRY TABLE DESCRIPTION LIST - DESCRIBES THE INPUT LIST TO THE ETCRE MACRO
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING.... ..1	1	ETDFMT	FORMAT NUMBER OF ETD. 0= ORIGINAL FORM - PRE HBB3310
1	(1)	BITSTRING 1... ..	1	ETDFMTE	"X'01" 1= EXTENDED FORM - HBB3310
				ETDHFLAG	All non-used bits must be zero.
				ETDRCRD	"X'80" If bit is ON, NO recording of cross memory connections will be performed. If bit is OFF, recording will be done. Classification: DMTI Notes: All other bits must be zero.
		.111 1111		ETDFLGRS	"X'7F" Non-used bits mask
2	(2)	SIGNED	2	ETDNUM	NUMBER OF ENTRY DESCRIPTIONS THAT FOLLOW (MAXIMUM OF 256 ENTRIES PER TABLE)
2	(2)	X'4'	0	ETDEND	***
2	(2)	X'4'	0	ETDLEN	"ETDEND-ETD" LENGTH OF ETD HEADER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ETDELE	ELEMENT DESCRIPTION. ONE FOR EACH
0	(0)	SIGNED	4	(0)	ENTRY TO BE ASSIGNED.
0	(0)	BITSTRING	1	ETDEX	INDEX FOR THIS ENTRY
1	(1)	BITSTRING 1... ..	1	ETDFLG	FLAG BYTE
				ETDSUP	"X'80" PROGRAM EXECUTION STATE 0= PROBLEM STATE 1= SUPERVISOR STATE.
		.1.. ..		ETDXM	"X'40" CROSS MEMORY SPACE SWITCH. 0= ENTRY WILL NOT CAUSE A SPACE SWITCH 1= THE PROGRAM WILL EXECUTE IN THE ADDRESS SPACE OF THE CREATOR OF THE ENTRY TABLE WITH THE AUTHORIZATION OF THAT ADDRESS SPACE.
		.11 1111		ETDBRS3F	"X'3F" RESERVED. BITS 3-8 MUST BE ZERO.
2	(2)	SIGNED	2	ETDRS002	RESERVED. MUST BE ZERO
4	(4)	CHARACTER	8	ETDPRO (0)	PROGRAM NAME TO BE INVOKED OR VIRTUAL ADDRESS OF PROGRAM ENTRY POINT. IF A PROGRAM NAME, THE NAMED PROGRAM MUST BE ON THE ACTIVE LPA QUEUE (FLPA OR MLPA) OR BE IN THE PLPA OR NUCLEUS. IF AN ADDRESS, ETDPRO1 MUST BE ZERO AND ETDPRO2 MUST BE THE ADDRESS.
4	(4)	SIGNED	4	ETDPRO1	FIRST WORD OF ETDPRO
8	(8)	SIGNED	4	ETDPRO2	SECOND WORD OF ETDPRO
		1... ..		ETDAMODE	"X'80" IF PROGRAM ADDRESS IS SPECIFIED THIS BIT INDICATES AMODE : IF 1, PC ROUTINE EXECUTES IN 31-BIT MODE. IF 0, PC ROUTINE EXECUTES IN 24-BIT MODE
12	(C)	SIGNED	2	ETDAKM	16 BIT AUTHORIZED KEY MASK. BIT 0 REPRESENTS KEY 0, ETC. IF A BIT IS ON, THE CORRESPONDING KEY IS AUTHORIZED TO CALL THIS ENTRY.
12	(C)	BITSTRING	0	ETDAK0	"X'8000" MASK FOR KEY 0
12	(C)	BITSTRING	0	ETDAK1	"X'4000" MASK FOR KEY 1
12	(C)	BITSTRING	0	ETDAK2	"X'2000" MASK FOR KEY 2
12	(C)	BITSTRING	0	ETDAK3	"X'1000" MASK FOR KEY 3
12	(C)	BITSTRING	0	ETDAK4	"X'0800" MASK FOR KEY 4
12	(C)	BITSTRING	0	ETDAK5	"X'0400" MASK FOR KEY 5
12	(C)	BITSTRING	0	ETDAK6	"X'0200" MASK FOR KEY 6
12	(C)	BITSTRING	0	ETDAK7	"X'0100" MASK FOR KEY 7

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		ETDAK8	"X'0080" MASK FOR KEY 8
		.1.		ETDAK9	"X'0040" MASK FOR KEY 9
		..1.		ETDAKA	"X'0020" MASK FOR KEY 10
		...1		ETDAKB	"X'0010" MASK FOR KEY 11
		.... 1..		ETDAKC	"X'0008" MASK FOR KEY 12
		.... .1..		ETDAKD	"X'0004" MASK FOR KEY 13
		.... ..1.		ETDAKE	"X'0002" MASK FOR KEY 14
		.... ...1		ETDAKF	"X'0001" MASK FOR KEY 15
14	(E)	SIGNED	2	ETDEKM	16 BIT ENTRY KEY MASK. BIT 0 REPRESENTS KEY 0, ETC. IF A BIT IS ON, THE CALLED PROGRAM WILL BE AUTHORIZED TO USE THE CORRESPONDING KEY.
14	(E)	BITSTRING	0	ETDEK0	"X'8000" MASK FOR KEY 0
14	(E)	BITSTRING	0	ETDEK1	"X'4000" MASK FOR KEY 1
14	(E)	BITSTRING	0	ETDEK2	"X'2000" MASK FOR KEY 2
14	(E)	BITSTRING	0	ETDEK3	"X'1000" MASK FOR KEY 3
14	(E)	BITSTRING	0	ETDEK4	"X'0800" MASK FOR KEY 4
14	(E)	BITSTRING	0	ETDEK5	"X'0400" MASK FOR KEY 5
14	(E)	BITSTRING	0	ETDEK6	"X'0200" MASK FOR KEY 6
14	(E)	BITSTRING	0	ETDEK7	"X'0100" MASK FOR KEY 7
		1...		ETDEK8	"X'0080" MASK FOR KEY 8
		.1.		ETDEK9	"X'0040" MASK FOR KEY 9
		..1.		ETDEKA	"X'0020" MASK FOR KEY 10
		...1		ETDEKB	"X'0010" MASK FOR KEY 11
		.... 1..		ETDEKC	"X'0008" MASK FOR KEY 12
		.... .1..		ETDEKD	"X'0004" MASK FOR KEY 13
		.... ..1.		ETDEKE	"X'0002" MASK FOR KEY 14
		.... ...1		ETDEKF	"X'0001" MASK FOR KEY 15
16	(10)	CHARACTER	4	ETDPAR	PARAMETER TO BE PASSED TO THE CALLED PROGRAM.
20	(14)	SIGNED	4	ETDEEND (0)	END OF ENTRY TABLE DESCRIPTOR
20	(14)	X'14'	0	ETDELEN	"ETDEEND-ETDELE" LENGTH OF ENTRY DESCRIPTOR ELEMENT

ETD0 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ETD	0		ETDELE	0	
ETDAKA	C	20	ETDELEN	14	14
ETDAKB	C	10	ETDEND	2	4
ETDAKC	C	8	ETDEX	0	
ETDAKD	C	4	ETDFLG	1	
ETDAKE	C	2	ETDFLGRS	1	7F
ETDAKF	C	1	ETDFMT	0	
ETDAKM	C		ETDFMTE	0	1
ETDAK0	C	8000	ETDHFLAG	1	
ETDAK1	C	4000	ETDLEN	2	4
ETDAK2	C	2000	ETDNUM	2	
ETDAK3	C	1000	ETDPAR	10	
ETDAK4	C	800	ETDPRO	4	
ETDAK5	C	400	ETDPRO1	4	
ETDAK6	C	200	ETDPRO2	8	
ETDAK7	C	100	ETDRCRD	1	80
ETDAK8	C	80	ETDRS002	2	
ETDAK9	C	40	ETDSUP	1	80
ETDAMODE	8	80	ETDXM	1	40
ETDBRS3F	1	3F			
ETDEEND	14				
ETDEKA	E	20			
ETDEKB	E	10			
ETDEKC	E	8			
ETDEKD	E	4			
ETDEKE	E	2			
ETDEKF	E	1			
ETDEKM	E				
ETDEK0	E	8000			
ETDEK1	E	4000			
ETDEK2	E	2000			
ETDEK3	E	1000			
ETDEK4	E	800			
ETDEK5	E	400			
ETDEK6	E	200			
ETDEK7	E	100			
ETDEK8	E	80			
ETDEK9	E	40			

ETD1 Information

ETD1 Programming Interface information

Programming Interface information

ETD1

End of Programming Interface information

ETD1 Heading Information • ETD1 Map

ETD1 Heading Information

Common Name: Entry Table Description
Macro ID: IHAETD
DSECT Name: ETD, ETDELE
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: None
Storage Attributes: Subpool: caller-supplied
 Key: caller-supplied
 Residency: caller-supplied
Size: Header of 8 bytes plus up to 256 entries of:
 20 bytes each - format 0
 40 bytes each - format 1
Created by: Issuer of the ETDEF macro in any accessible storage
Pointed to by: The ETCRE parameter list
Serialization: Provided by the caller of the Entry Table Create service
Function: Describes the entries to be assigned in the entry table created by the Entry Table Create service routine (IEAVXECR).

ETD1 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ETD	ENTRY TABLE DESCRIPTION LIST - DESCRIBES THE INPUT LIST TO THE ETCRE MACRO
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING.... ..1	1	ETDFMT	FORMAT NUMBER OF ETD. 0= ORIGINAL FORM - PRE HBB3310
1	(1)	BITSTRING 1... ..	1	ETDFMTE	"X'01" 1= EXTENDED FORM - HBB3310
				ETDHFLAG	All non-used bits must be zero.
				ETDRCRD	"X'80" If bit is ON, NO recording of cross memory connections will be performed. If bit is OFF, recording will be done. Classification: DMTI Notes: All other bits must be zero.
2	(2)	.111 1111 SIGNED	2	ETDFLGRS	"X'7F" Non-used bits mask
2	(2)	X'4'	0	ETDNUM	NUMBER OF ENTRY DESCRIPTIONS THAT FOLLOW (MAXIMUM OF 256 ENTRIES PER TABLE)
2	(2)	X'4'	0	ETDEND	***
2	(2)	X'4'	0	ETDLEN	"ETDEND-ETD" LENGTH OF ETD HEADER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ETDELE	ELEMENT DESCRIPTION. ONE FOR EACH
0	(0)	SIGNED	4	(0)	ENTRY TO BE ASSIGNED.
0	(0)	BITSTRING	1	ETDEX	INDEX FOR THIS ENTRY
1	(1)	BITSTRING 1... ..	1	ETDFLG	FLAG BYTE
				ETDSUP	"X'80" PROGRAM EXECUTION STATE 0= PROBLEM STATE 1= SUPERVISOR STATE.
		.1.. ..		ETDXM	"X'40" CROSS MEMORY SPACE SWITCH. 0= ENTRY WILL NOT CAUSE A SPACE SWITCH 1= THE PROGRAM WILL EXECUTE IN THE ADDRESS SPACE OF THE CREATOR OF THE ENTRY TABLE WITH THE AUTHORIZATION OF THAT ADDRESS SPACE.
		.11 1111		ETDBRS3F	"X'3F" RESERVED. BITS 3-8 MUST BE ZERO.
2	(2)	SIGNED	2	ETDRS002	RESERVED. MUST BE ZERO
4	(4)	CHARACTER	8	ETDPRO (0)	PROGRAM NAME TO BE INVOKED OR VIRTUAL ADDRESS OF PROGRAM ENTRY POINT. IF A PROGRAM NAME, THE NAMED PROGRAM MUST BE ON THE ACTIVE LPA QUEUE (FLPA OR MLPA) OR BE IN THE PLPA OR NUCLEUS. IF AN ADDRESS, ETDPRO1 MUST BE ZERO AND ETDPRO2 MUST BE THE ADDRESS.
4	(4)	SIGNED	4	ETDPRO1	FIRST WORD OF ETDPRO
8	(8)	SIGNED	4	ETDPRO2	SECOND WORD OF ETDPRO
		1... ..		ETDAMODE	"X'80" IF PROGRAM ADDRESS IS SPECIFIED THIS BIT INDICATES AMODE : IF 1, PC ROUTINE EXECUTES IN 31-BIT MODE. IF 0, PC ROUTINE EXECUTES IN 24-BIT MODE
12	(C)	SIGNED	2	ETDAKM	16 BIT AUTHORIZED KEY MASK. BIT 0 REPRESENTS KEY 0, ETC. IF A BIT IS ON, THE CORRESPONDING KEY IS AUTHORIZED TO CALL THIS ENTRY.
12	(C)	BITSTRING	0	ETDAK0	"X'8000" MASK FOR KEY 0
12	(C)	BITSTRING	0	ETDAK1	"X'4000" MASK FOR KEY 1
12	(C)	BITSTRING	0	ETDAK2	"X'2000" MASK FOR KEY 2
12	(C)	BITSTRING	0	ETDAK3	"X'1000" MASK FOR KEY 3
12	(C)	BITSTRING	0	ETDAK4	"X'0800" MASK FOR KEY 4
12	(C)	BITSTRING	0	ETDAK5	"X'0400" MASK FOR KEY 5
12	(C)	BITSTRING	0	ETDAK6	"X'0200" MASK FOR KEY 6
12	(C)	BITSTRING	0	ETDAK7	"X'0100" MASK FOR KEY 7

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		ETDAK8	"X'0080" MASK FOR KEY 8
		.1.		ETDAK9	"X'0040" MASK FOR KEY 9
		..1.		ETDAKA	"X'0020" MASK FOR KEY 10
		...1		ETDAKB	"X'0010" MASK FOR KEY 11
		.... 1..		ETDAKC	"X'0008" MASK FOR KEY 12
		.... .1..		ETDAKD	"X'0004" MASK FOR KEY 13
		.... ..1.		ETDAKE	"X'0002" MASK FOR KEY 14
		.... ...1		ETDAKF	"X'0001" MASK FOR KEY 15
14	(E)	SIGNED	2	ETDEKM	16 BIT ENTRY KEY MASK. BIT 0 REPRESENTS KEY 0, ETC. IF A BIT IS ON, THE CALLED PROGRAM WILL BE AUTHORIZED TO USE THE CORRESPONDING KEY.
14	(E)	BITSTRING	0	ETDEK0	"X'8000" MASK FOR KEY 0
14	(E)	BITSTRING	0	ETDEK1	"X'4000" MASK FOR KEY 1
14	(E)	BITSTRING	0	ETDEK2	"X'2000" MASK FOR KEY 2
14	(E)	BITSTRING	0	ETDEK3	"X'1000" MASK FOR KEY 3
14	(E)	BITSTRING	0	ETDEK4	"X'0800" MASK FOR KEY 4
14	(E)	BITSTRING	0	ETDEK5	"X'0400" MASK FOR KEY 5
14	(E)	BITSTRING	0	ETDEK6	"X'0200" MASK FOR KEY 6
14	(E)	BITSTRING	0	ETDEK7	"X'0100" MASK FOR KEY 7
		1...		ETDEK8	"X'0080" MASK FOR KEY 8
		.1.		ETDEK9	"X'0040" MASK FOR KEY 9
		..1.		ETDEKA	"X'0020" MASK FOR KEY 10
		...1		ETDEKB	"X'0010" MASK FOR KEY 11
		.... 1..		ETDEKC	"X'0008" MASK FOR KEY 12
		.... .1..		ETDEKD	"X'0004" MASK FOR KEY 13
		.... ..1.		ETDEKE	"X'0002" MASK FOR KEY 14
		.... ...1		ETDEKF	"X'0001" MASK FOR KEY 15
16	(10)	CHARACTER	4	ETDPAR	PARAMETER TO BE PASSED TO THE CALLED PROGRAM.
20	(14)	BITSTRING	1	ETDOPTB1	ETD OPTIONS BYTE 1
		1...		ETDPCTC	"X'80" PC-TYPE CONTROL 0= BASIC PC 1= STACKING PC
		.1.		ETDEAM	"X'40" Extended addressing mode 0= Not AMODE 64 1= AMODE 64
		..1.		ETDBRS20	"X'20" RESERVED. BIT MUST BE ZERO.
		...1		ETDPKC	"X'10" PSW KEY CONTROL 0= PSW KEY UNCHANGED 1= REPLACE PSW KEY WITH ETDEK
		.... 1..		ETDPKMC	"X'08" PSW KEY MASK CONTROL 0= OR ETDEKM WITH PKM 1= REPLACE PKM WITH ETDEKM
		.... .1..		ETDEAXC	"X'04" EAX CONTROL 0= NO EAX CHANGE 1= REPLACE EAX WITH ETDEAX
		.... ..1.		ETDASC	"X'02" ADDR SPACE CONTROL (PSW BITS 16-17) 0= PRIMARY MODE (00) 1= AR MODE (01)
		.... ...1		ETDSASNC	"X'01" SASN CONTROL 0= SET SASN TO OLD PASN 1= SET SASN TO NEW PASN
21	(15)	BITSTRING	1	ETDEK	ENTRY KEY (HIGH ORDER 4 BITS)
22	(16)	SIGNED	2	ETDEAX	EXTENDED AUTHORIZATION INDEX
24	(18)	CHARACTER	8	ETDARR (0)	ASSOCIATED RECOVERY ROUTINE NAME OR ADDRESS OF ARR ENTRY POINT. IF AN ARR NAME, THE NAMED PROGRAM MUST BE ON THE ACTIVE LPA QUEUE (FLPA OR MLPA) OR BE IN THE PLPA OR NUCLEUS. IF AN ADDRESS, ETDARR1 MUST BE ZERO AND ETDARR2 MUST BE THE ADDRESS.
24	(18)	SIGNED	4	ETDARR1	FIRST WORD OF ETDARR
28	(1C)	SIGNED	4	ETDARR2	SECOND WORD OF ETDARR
32	(20)	BITSTRING	4	ETDPAR2	USER PARAMETER 2
36	(24)	SIGNED	4	ETDLP AFL (0)	FLAGS FOR LPA
36	(24)	BITSTRING	1	ETDLP AB1	FIRST BYTE OF FLAGS
		1...		ETDCANCL	"X'80" CANCEL OPTION FOR ARR 0 => CANCEL=YES (DEFAULT). 1 => CANCEL=NO
		.1.		ETDASYNC	"X'40" ASYNCH OPTION FOR ARR 0 => ASYNCH=YES (DEFAULT). 1 => ASYNCH=NO
		..1.		ETDARRC	"X'20" ARRCND OPTION FOR ARR 0 => ARRCND=NO (DEFAULT). 1 => ARRCND=YES
		...1 1111		ETDRS1	"X'1F" RESERVED - MUST BE ZERO.
37	(25)	BITSTRING	3	ETDLP AB2	RESERVED - MUST BE ZERO
40	(28)	SIGNED	4	ETDEEND (0)	END OF ENTRY TABLE DESCRIPTOR
40	(28)	X'28'	0	ETDELEN	"ETDEEND-ETDELE" LENGTH OF ENTRY DESCRIPTOR ELEMENT

ETD1 Cross Reference

ETD1 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ETD	0		ETDPRO2	8	
ETDAKA	C	20	ETDRCRD	1	80
ETDAKB	C	10	ETDRS002	2	
ETDAKC	C	8	ETDRS1	24	1F
ETDAKD	C	4	ETDSASNC	14	1
ETDAKE	C	2	ETDSUP	1	80
ETDAKF	C	1	ETDXM	1	40
ETDAKM	C				
ETDAK0	C	8000			
ETDAK1	C	4000			
ETDAK2	C	2000			
ETDAK3	C	1000			
ETDAK4	C	800			
ETDAK5	C	400			
ETDAK6	C	200			
ETDAK7	C	100			
ETDAK8	C	80			
ETDAK9	C	40			
ETDAMODE	8	80			
ETDARR	18				
ETDARRC	24	20			
ETDARR1	18				
ETDARR2	1C				
ETDASC	14	2			
ETDASYN	24	40			
ETDBRS20	14	20			
ETDBRS3F	1	3F			
ETDCANCL	24	80			
ETDEAM	14	40			
ETDEAX	16				
ETDEAXC	14	4			
ETDEEND	28				
ETDEK	15				
ETDEKA	E	20			
ETDEKB	E	10			
ETDEKC	E	8			
ETDEKD	E	4			
ETDEKE	E	2			
ETDEKF	E	1			
ETDEKM	E				
ETDEK0	E	8000			
ETDEK1	E	4000			
ETDEK2	E	2000			
ETDEK3	E	1000			
ETDEK4	E	800			
ETDEK5	E	400			
ETDEK6	E	200			
ETDEK7	E	100			
ETDEK8	E	80			
ETDEK9	E	40			
ETDELE	0				
ETDELEN	28	28			
ETDEND	2	4			
ETDEX	0				
ETDFLG	1				
ETDFLGRS	1	7F			
ETDFMT	0				
ETDFMTE	0	1			
ETDHFLAG	1				
ETDLEN	2	4			
ETDLPAB1	24				
ETDLPAB2	25				
ETDLPAFL	24				
ETDNUM	2				
ETDOPTB1	14				
ETDPAR	10				
ETDPAR2	20				
ETDPCTC	14	80			
ETDPKC	14	10			
ETDPKMC	14	8			
ETDPRO	4				
ETDPRO1	4				

ETE Information

ETE Heading Information

Common Name: Entry Table Entry
Macro ID: IHAETE
DSECT Name: ETE
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
 Key: 0
 Residency: PC/Auth LSQA
 Size: 32 bytes
Created by: IEAVXECR, deleted by IEAVXEDE
Pointed to by: Linkage table entries (mapped by IHALTE).
 The Entry Table is pointed to by ETIBETR (real address) and ETIBETV (virtual address).
Serialization: LOCAL lock of the PC/Auth address space
Function: Describes an entry in an entry table (used by the Program Call instruction).
 ETE maps the ESA/390 ETE.

ETE Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	32	ETE	ENTRY TABLE ENTRY DESCRIPTION	
0	(0)	BITSTRING	2	ETEAKM	MASK OF STORAGE KEYS AUTHORIZED TO INVOKE THIS ROUTINE	
2	(2)	BITSTRING	2	ETEASID	ASID IN WHICH THE CALLED ROUTINE WILL EXECUTE - IF ZERO, ROUTINE EXECUTES IN CALLERS ADDRESS SPACE SPACE SWITCH IF NOT ZERO	
4	(4)	ADDRESS	4	ETEEPA	VIRTUAL ADDRESS OF ROUTINE TO RECEIVE CONTROL	
4	(4)	CHARACTER 1... ..	1	ETEABYTE ETEAMODE	BYTE TO ACCESS ETEAMODE ADDRESSING MODE : IF 1, ROUTINE EXECUTES IN 31-BIT MODE. IF 0, ROUTINE EXECUTES IN 24-BIT MODE	
5	(5)	CHARACTER	2	*	PART OF ETEEPA - NOT REFERENCEABLE	
7	(7)	CHARACTER 1111 111. ... ..1	1	ETEPBYTE *	BYTE TO ACCESS ETEPS NOT REFERENCEABLE	
8	(8)	ADDRESS	4	ETEPARM	CALLED ROUTINE EXECUTES (0) SUPERVISOR OR (1) PROBLEM STATE	
12	(C)	BITSTRING	2	ETEEKM	ADDRESS OF THE LATENT PARAMETER PASSED TO THE CALLED RTNE KEY MASK TO BE COMBINED WITH CALLERS KEY MASK PRODUCING THE EXECUTION KEY MASK OF THE CALLED ROUTINE	
14	(E)	CHARACTER	2	ETER00E	RESERVED FIELD	
16	(10)	CHARACTER 1... .. .11. .... ...1 1..	1	ETEOPTB1 ETEPCTC *	ETE OPTIONS BYTE PC TYPE CONTROL: 0: NON-STACKING. 1: STACKING. RESERVED. MUST BE ZERO	
				ETEPKC	PSW KEY CONTROL: 0: NO CHANGE 1: SET PSW KEY FROM ETEEK	
				ETEPKMK	PSW KEY MASK CONTROL: 0: OR ETEEKM INTO PKM. 1: COPY ETEEKM TO PKM	
		.... .1..		ETEEAXC	EAX CONTROL: 0: NO CHANGE. 1: REPLACE FROM ETEEAX.	
		.... ..1.		ETEASC	ADDRESS SPACE CONTROL: 0: PRIMARY MODE. 1: AR MODE.	
		.... ...1		ETESASNC	SASN CONTROL: 0: SET TO OLD PASN. 1: SET TO NEW PASN.	
17	(11)	CHARACTER	1	ETEEK	ENTRY KEY. (HIGH 4 BITS)	
18	(12)	UNSIGNED	2	ETEEAX	MAS EXTENDED AUTHORITY INDEX	
20	(14)	ADDRESS	4	ETEASTE	REAL ADDRESS OF THE ASTE IF SPACE SWITCH	
24	(18)	CHARACTER	8	ETER018	RESERVED. MUST BE ZERO.	
32	(20)	CHARACTER	0	ETEEND	END OF ETE	

ETE Cross Reference

ETE Cross Reference

Name	Hex Offset	Hex Value
ETE	0	
ETEABYTE	4	
ETEAKM	0	
ETEAMODE	4	80
ETEASC	10	02
ETEASID	2	
ETEASTE	14	
ETEEAX	12	
ETEEAXC	10	04
ETEEK	11	
ETEEKM	C	
ETEEND	20	
ETEEPA	4	
ETEOPTB1	10	
ETEPARM	8	
ETEPBYTE	7	
ETEPCTC	10	80
ETEPKC	10	10
ETEPKMK	10	08
ETEPS	7	01
ETER00E	E	
ETER018	18	
ETESASNC	10	01

ETIB Information

ETIB Heading Information

Common Name: Entry Table Information Block
Macro ID: IHAETIB
DSECT Name: ETIB, ETIX
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: ETIB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
 Residency: PC/AUTH PRIVATE AREA
Size: ETIB -- 48 bytes
 ETIX -- 56 bytes
Created by: IEAVXECR. The extensions are created by IEAVXECO.
 The information block for the PC/AUTH entry table is created by IEAVXMAS.
Pointed to by: XMDETIBF and XMDETIBL, ETIBNEXT and ETIBBACK
Serialization: LOCAL lock of the PC/AUTH address space
Function: Contains information describing one entry table.

ETIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	ETIB	ENTRY TABLE INFORMATION BLOCK - DESCRIBES THE ASSOCIATED ENTRY TABLE
0	(0)	CHARACTER	4	ETIBETIB	ETIB ACRONYM
4	(4)	ADDRESS	4	ETIBASCB	POINTER TO THE ASCB OWNING THE ENTRY TABLE
8	(8)	ADDRESS	4	ETIBNEXT	FORWARD LINK FOR ETIB QUEUE
12	(C)	ADDRESS	4	ETIBBACK	BACK LINK FOR ETIB QUEUE
16	(10)	ADDRESS	4	ETIBETR	REAL ADDRESS OF THE ASSOCIATED ENTRY TABLE. THE LENGTH INDICATOR IS IN BITS 26 -31. (NO. ENTRIES/4 - 1)
20	(14)	ADDRESS	4	ETIBETV	VIRTUAL ADDRESS OF THE ASSOCIATED ENTRY TABLE
24	(18)	ADDRESS	4	ETIBLPAD	ADDRESS OF LATENT PARAMETER AREA <16M
28	(1C)	UNSIGNED	4	ETIBLPLN	LENGTH OF LATENT PARAMETER AREA <16M
32	(20)	ADDRESS	4	ETIBELPA	ADDRESS OF LATENT PARAMETERS IN EXTENDED STORAGE
36	(24)	UNSIGNED	4	ETIBELPL	LENGTH OF LATENT PARAMETERS IN EXTENDED STORAGE
40	(28)	BITSTRING	1	ETIBRSV3	RESERVED
41	(29)	BITSTRING	1	ETIBFLGS	FLAGS BYTE
		1...		ETIBSYS	ENTRY TABLE IS A SYSTEM TABLE
		.1..		ETIBSS	TABLE HAS SPACE SWITCH ENTRIES
		..1.		ETIBCIL	CONNECTION INFORMATION HAS BEEN LOST. CANNOT FREEMAIN THE ENTRY TABLE.
		...1		ETIBEAX	ENTRY TABLE CONTAINS NON-ZERO EAX VALUES.
		.... 1...		ETIBSASN	ALL ENTRIES IN THE ENTRY TABLE HAVE THE SASN CONTROL BIT ON (ETESASNC) INDICATING SASN=NEW PASN.
		.... .1..		ETIBDEST	This entry table has been destroyed.
		.... ..1.		ETIBRCRD	When 1, no recording of crossing memory binds is to take place.
		.... ...1		ETIBREUS	Reusable
42	(2A)	UNSIGNED	2	ETIBCNCCT	COUNT OF CONNECTIONS TO THIS ENTRY TABLE (FOR A SYSTEM ENTRY TABLE, THIS VALUE WILL BE X'FFFF'.)
44	(2C)	ADDRESS	4	ETIBFEXT	POINTER TO FIRST EXTENSION - CONTAINS CONNECTION INFORMATION

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	96	ETIX	EXTENSION BLOCK
0	(0)	CHARACTER	4	ETIXETIX	ACRONYM ETIX
4	(4)	CHARACTER	4	ETIXRESV	RESERVED FIELD
8	(8)	UNSIGNED	2	ETIXSLOT	COUNT OF CONNECTION SLOTS IN THIS EXTENSION (10)
10	(A)	UNSIGNED	2	ETIXFREE	FREE SLOT COUNT
12	(C)	ADDRESS	4	ETIXEXT	POINTER TO THE NEXT EXTENSION OF THE ETIB. CONTAINS CONNECTION INFORMATION
16	(10)	CHARACTER	8	ETIXCD (4294967306:562120736)	CONNECTION DESCRIPTIONS, ONE ENTRY PER CONNECTION
16	(10)	UNSIGNED	2	ETIXASID	ASID OF ADDRESS SPACE CONNECTED TO THIS ENTRY TABLE
18	(12)	CHARACTER	2	*	Reserved
20	(14)	UNSIGNED	4	ETIXLX	LXAT Index OF THIS ET IN LINKAGE TABLE OF ABOVE ASID. INDEX IS 24 BITS, RIGHT JUSTIFIED

ETIB Cross Reference

ETIB Cross Reference

Name	Hex Offset	Hex Value
ETIB	0	
ETIBASCB	4	
ETIBBACK	C	
ETIBCIL	29	20
ETIBCNCT	2A	
ETIBDEST	29	04
ETIBEAX	29	10
ETIBELPA	20	
ETIBELPL	24	
ETIBETIB	0	
ETIBETR	10	
ETIBETV	14	
ETIBFEXT	2C	
ETIBFLGS	29	
ETIBLPAD	18	
ETIBLPLN	1C	
ETIBNEXT	8	
ETIBRCRD	29	02
ETIBREUS	29	01
ETIBRSV3	28	
ETIBSASN	29	08
ETIBSS	29	40
ETIBSYS	29	80
ETIX	0	
ETIXASID	10	
ETIXCD	10	
ETIXETIX	0	
ETIXEXT	C	
ETIXFREE	A	
ETIXLX	14	
ETIXRESV	4	
ETIXSLOT	8	

ETIORB Information

ETIORB Heading Information

Common Name: DSAB/TIOT Entry Build Routine Request Block
Macro ID: IEFZB430
DSECT Name: ETIOTREQ
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 230
 Key: KEY 1
 Residency: ANY
Size: 64 bytes (decimal)
Created by: Callers of DSAB/TIOT entry build routine
Pointed to by: Parameter list to IEFAB428
Serialization: None
Function: Contains input data required for the DSAB/TIOT entry build routine.

This input consists of:

- 1) An indication of the function to be performed, i.e. build, update, move, count or replace
- 2) Information to be placed in the DSAB and TIOT DD entry
- 3) Address of the JSCB which locates the DSAB chain and TIOT
- 4) An error reason code return area
- 5) Address of the DSAB
- 6) Address of the dummy UCB
- 7) The number of non-dummy UCB entries in a TIOT

ETIORB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	ETIOTREQ	REQUEST BLOCK
0	(0)	BITSTRING	2	EREQMAP	FUNCTION MAP
		1... ..		EREQBLD	CREATE DSAB/TIOT ENTRY
		.1.. ..		EREQUPD	UPDATE EXISTING TIOT DD ENT.
		..1.		EREQMOVE	MOVE TIOT DD ENTRY
		...1		EREQCNT	COUNT NON-DUMMY UCB ENTRIES IN TIOT
		.... 1...		EREQREPL	Replace the last real UCB with the dummy UCB
		.... .1..		EREQDSAA	Propagation bit for SVC 99 request for DSAB above the 16MB line. Set by: IEFAB421 Read by: IEFAB428
0	(0)	BITSTRING	1	*	RESERVED
2	(2)	BITSTRING	2	EREQSTAT	STATUS INDICATORS
		1... ..		EREQTERM	REQUEST IS 'TERM=TS'
		.1.. ..		EREQQNM	REQUEST IS 'QNAME'
		..1.		EREQVAM	VAM DATA SET
		...1		EREQUNAL	UNALLOCATE WHEN CLOSED
		.... 1...		EREQPASS	PASS/RETAIN IND.
		.... .1..		*	Reserved, was EREQJST
		.... .1..		EREQCATL	DATA SET IS A CATALOG
		.... ...1		EREQXTIO	XTIOT ENTRY REQUIRED
3	(3)	1... ..		EREQNCAP	ACTUAL UCBS REQUESTED
		.1..		EREQSUBS	Subsystem name is to be associated with the DD
		..11 1111		*	RESERVED
4	(4)	CHARACTER	8	EREQDDNM	DDNAME OF ALLOCATION REQUEST
12	(C)	CHARACTER	3	EREQJSVA	JFCB SVA
15	(F)	CHARACTER	1	*	
16	(10)	CHARACTER	3	EREQSSVA	SIOT SVA
19	(13)	CHARACTER	1	*	
20	(14)	ADDRESS	4	EREQSIOT	PTR TO SIOT
24	(18)	ADDRESS	4	EREQUCB	PTR TO ALLOCATED UCB
28	(1C)	SIGNED	2	EREQRPOS	RELATIVE DEV. ENTRY POSITION
30	(1E)	SIGNED	2	EREQDEVS	NO. DEVICES FOR THIS ENTRY
32	(20)	CHARACTER	4	EREQSSNM	Subsystem name
36	(24)	ADDRESS	4	EREQJSCB	PTR TO JSCB
40	(28)	SIGNED	2	EREQCODE	ERROR REASON CODE

ETIORB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
42	(2A)	SIGNED	2	*	RESERVED
44	(2C)	ADDRESS	4	EREQDSAB	PTR TO DSAB
48	(30)	ADDRESS	4	EREQDUCB	ADDRESS OF DUMMY UCB
52	(34)	SIGNED	4	EREQCNT#	NO. OF NON-DUMMY UCB'S
56	(38)	ADDRESS	4	EREQCPTR	Captured ucb PoinTeR. - Set by IEFAB428 when it Captures a 31-bit UCB. - Checked by IEFAB434 when a DADSM error is encountered and the subject device is not going to be allocated. IEFAB434 will perform an Uncapture for this condition.
60	(3C)	CHARACTER	4	*	Not used and available.

ETIORB Cross Reference

Name	Hex Offset	Hex Value
EREQBLD	0	80
EREQCATL	2	02
EREQCNT	0	10
EREQCNT#	34	
EREQCODE	28	
EREQCPTR	38	
EREQDDNM	4	
EREQDEVS	1E	
EREQDSAA	0	04
EREQDSAB	2C	
EREQDUCB	30	
EREQJSCB	24	
EREQJSVA	C	
EREQMAP	0	
EREQMOVE	0	20
EREQNCAP	3	80
EREQPASS	2	08
EREQQNM	2	40
EREQREPL	0	08
EREQRPOS	1C	
EREQSLOT	14	
EREQSSNM	20	
EREQSSVA	10	
EREQSTAT	2	
EREQSUBS	3	40
EREQTERM	2	80
EREQUCB	18	
EREQUNAL	2	10
EREQUPD	0	40
EREQVAM	2	20
EREQXTIO	2	01
ETIOTREQ	0	

EVNT Information

EVNT Heading Information

Common Name: Event Table
Macro ID: IHAEVNT
DSECT Name: EVNT
Owning Component: Task Manager (SC1CL)
Eye-Catcher ID: None
Storage Attributes: Subpool: 253
 Key: 0
Size: 40 plus the number of EVENT entries requested by the user
Created by: IEAVEVT1
Pointed to by: TCBEVENT field of the TCB data area
 TCBEVTZT field of the TCB data area(first EVNT)
 EVNTLNK field of the EVNT data area(next EVNT)
Serialization: LOAL lock
Function: Contains pointers to EVENTS type ECBs that have completed and information that will be used by POST to take the user out of the wait state.

EVNT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	EVNT	
0	(0)	DBL WORD	8	EVNTBEGN (0)	BEGINING OF EVENT TABLE
0	(0)	DBL WORD	8	EVNTHEDR (0)	EVENT TABLE HEADER
0	(0)	ADDRESS	4	EVNTLNK	EVENT TABLE QUEUE LINK PTR
4	(4)	ADDRESS	4	EVNTTCBP	TCB POINTER
8	(8)	ADDRESS	4	EVNTRBP	WAITING RB POINTER
12	(C)	ADDRESS	4	EVNTFST	PTR TO FIRST EVENT ENTRY
16	(10)	ADDRESS	4	EVNTLST	PTR TO LAST ENTRY OF TABLE
20	(14)	ADDRESS	4	EVNTLSTA	PTR TO LAST ACTIVE EVENT ENTRY IN TABLE
24	(18)	ADDRESS	1	EVNTFLG1	EVENT TABLE FLAGS
		1... ..		EVNTUPR	"X'80" UPDATE EVENT TABLE INDICATOR
25	(19)	ADDRESS	3	EVNTLNTH	LENGTH OF EVENT TABLE
28	(1C)	ADDRESS	4	EVNTRES2	RESERVED
32	(20)	ADDRESS	4	EVNTRES3	RESERVED
36	(24)	ADDRESS	4	EVNTDUMY	DUMMY EVENT ENTRY
40	(28)	ADDRESS	4	EVNTHEND (0)	END OF EVENT TABLE HEADER
40	(28)	ADDRESS	4	EVNTENTY (0)	EVENT ENTRY
40	(28)	ADDRESS	4	EVNTENTA (0)	31-BIT POINTER TO POSTED ECB
40	(28)	ADDRESS	1	EVNTFLGS	EVENT ENTRY FLAGS
		1... ..		EVNTENDL	"X'80" END OF LIST INDICATOR
41	(29)	ADDRESS	3	EVNTENTP	24-BIT PTR TO POSTED ECB

EVNT Cross Reference

Name	Hex Offset	Hex Value
EVNT	0	
EVNTBEGN	0	
EVNTDUMY	24	
EVNTENDL	28	80
EVNTENTA	28	
EVNTENTP	29	
EVNTENTY	28	
EVNTFLGS	28	
EVNTFLG1	18	
EVNTFST	C	
EVNTHEDR	0	
EVNTHEND	28	
EVNTLNK	0	
EVNTLNTH	19	
EVNTLST	10	
EVNTLSTA	14	
EVNTRBP	8	
EVNTRES2	1C	
EVNTRES3	20	
EVNTTCBP	4	
EVNTUPR	18	80

EWA Information

EWA Heading Information

Common Name: EWA - Error Recovery Procedure Work Area
Macro ID: EWAMAP
DSECT Name: EWA
Owning Component: IOS (SC1C3)
Eye-Catcher ID: EWA
 Offset: 228
 Length: 4
Storage Attributes: Main Storage: YES
 Virtual Storage: n/a
 Auxiliary Storage: n/a
 Subpool: 226 (below 16MB block), 245 (above 16MB block)
 Key: 0
 Residency: Above or below the 16MB line
Size: 248 bytes
Created by: IOS IRB analysis or IOS Post Status modules.
Pointed to by: IOSERP
Serialization: None
Function: Procedure work area common section:
 - the common section consists of indicators, counters and sense information
 - the ERP dependent sections are available for ERP use as needed

EWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	248	EWA	
0	(0)	ADDRESS	4	EWAHDR	EWA HEADER
0	(0)	ADDRESS	4	EWAEXT	ADDRESS OF WA EXTENTION THIS FIELD MUST BE ZERO OR POINT TO A BLOCK OBTAINED FROM THE IOS STORAGE MANAGER
4	(4)	CHARACTER	4	EWAFLAGS	FOUR BYTES OF FLAGS
4	(4)	BITSTRING	1	EWAF1G1	FLAG BYTE 1
		1... ..		EWASLIS	IF ON, INDICATES SKIP SENSE PROCESSING ACTIVE
		.1... ..		EWAAPR	IF ON, ALTERNATE PATH RETRY NEEDED
		..1... ..		EWAREPET	REPEAT USAGE OF THIS EWA FOR A REQUEST. (ZERO ONLY ON FIRST ENTRY
		...1... ..		EWAXTRCD	ERROR RECORDED BY EXIT ROUTINE. CAN BE USED TO COMMUNICATE BETWEEN A DEVICE DEPENDENT EXIT ROUTINE WHICH IS RECORDING AN ERROR AND THE ERP, SO THE ERP DOES NOT RECORD THE SAME ERROR. SET TO 0 BY IOS ONLY WHEN THE EWA IS OBTAINED. IT IS THE RESPONSIBILITY OF THE ERP OR DEVICE DEPENDENT EXIT TO RESET THIS FIELD ONCE IT HAS BEEN SET ON.
		.... 11..		EWASCCD	START SUBCHANNEL DEFERRED CONDITION CODE ON SENSE OPERATION IF THIS IS A UNIT CHECK. (ONLY 0,1 AND 3 ARE VALID)
		.... 11..		EWASCC3	DEFERRED CONDITION CODE 3
		.... 1... ..		*	RESERVED
		.... .1..		EWASCC1	DEFERRED CONDITION CODE 1 SEE END OF EWA FOR CC 0
		.... ..1.		EWADDMSG	ERP DEPENDENT DATA TO BE INCLUDED IN I/O ERROR MESSAGE
		.... ...1		EWABDSNS	IF ON, INDICATES SENSE DATA INVALID
5	(5)	BITSTRING	1	EWAF1G2	FLAG BYTE 2
		1... ..		EWAMDR	IF ON, MDR REQUEST. IF OFF, OBR REQUEST.
		.1... ..		EWAWTEMP	ON - TEMPORARY WRITE ERR COUNTER TO BE UPDATE IF DATA CHECK CONDITION. OFF - TEMPORARY READ ERR COUNTER TO BE UPDATED.
		..1... ..		EWACOVF	COUNTER OVERFLOW INDICATOR FOR STATISTICS UPDATE
		...1... ..		EWAERPRT	ON, THE ERP REQUESTS THAT IO SB COMPLETION CODES X'41' TO X'5F' BE RETURNED TO ERP WITH THE IOSERR BIT SET IN THE IO SB
		.... 1... ..		EWARCBLT	OBR RECORD BUILT BY CALLER
		.... .1..		EWALBUSY	IF ON, LONG BUSY UNIT CHECK
		.... ..1.		EWAFSAVF	Failing storage address in EWAFSA is valid
		.... ...1		*	RESERVED
6	(6)	BITSTRING	1	EWAF1G3	FOR DEVICE DEPENDENT ERP USAGE
		1... ..		EWAJAM	3800 PAPER JAM
		.111 1111		*	RESERVED
7	(7)	BITSTRING	1	EWASNSCT	LOOP COUNT FOR SENSE FAILURE
8	(8)	BITSTRING	2	EWASSTAT	CSW STATUS ON SENSE OPERATION IF THIS IS A UNIT CHECK
10	(A)	CHARACTER	4	EWACNTRS	COUNTERS FOR ERP USE
10	(A)	ADDRESS	1	EWACNTR1	COUNTER 1
11	(B)	ADDRESS	1	EWACNTR2	COUNTER 2

EWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	1	EWACNTR3	COUNTER 3
13	(D)	ADDRESS	1	EWACNTR4	COUNTER 4
14	(E)	CHARACTER	2	EWASTUP	STATISTICS INFORMATION FOR UPDATING STATISTICS
16	(10)	CHARACTER	8	EWAERPIB	ERPIB BUILT BY SLH FOR CHANNEL ERRORS. INFORMATION FOR ERP USE. VALID WHENEVER THERE IS A CCC, CDC, ICC, OR MEASUREMENT-BLOCK CHECK (L BIT =1 IN IOSB). Note: For the following other conditions, the LPUM field will be valid and all other fields of the ERPIB will be zero: - Unit Check - Intercept - Channel program check - Channel protection check In all other cases, the ERPIB will be zero.
16	(10)	BITSTRING	1	EWACFSTB	FIRST BYTE OF THE EXTENDED STATUS WORD. (SEE IHAESW)
		1... ..		*	RESERVED
		.111 1111		EWACECF	ERROR CHECK FLAGS
		.1.		EWACKEY	IF ON, INDICATES CBC ERROR ON KEY VS STORAGE. MEANINGFUL FOR CDC, MEASUREMENT- BLOCK DATA CHECK, OR CCC WITH CCW OR IDAW CHECK.
		..1.		EWACMBPG	IF ON, MEASUREMENT-BLOCK PROGRAM CHECK. MEASUREMENT-BLOCK ENTRY HAS AN INVALID ABSOLUTE ADDRESS.
		...1		EWACMBDC	IF ON, MEASUREMENT- BLOCK DATA CHECK. THE MEASUREMENT-BLOCK PARAMETERS OR THE ASSOCIATED KEY HAVE AN INVALID CBC.
		.... 1..		EWACMBPT	IF ON, MEASUREMENT- BLOCK PROTECTION CHECK. KEY USED BY CHANNEL DOESN'T MATCH MEASUREMENT-BLOCK (STORAGE) KEY.
		.... .1..		EWACCCWC	IF ON, CBC ERROR WHILE FETCHING A CCW. CHANNEL CONTROL CHECK WILL ALSO BE ON.
		.... ..1.		EWACIDAW	IF ON, CBC ERROR WHILE FETCHING AN IDAW. CHANNEL CONTROL CHECK WILL ALSO BE ON.
		.... ...1		EWACALC	IF ON, ADDRESS LIMIT FAILURE WHILE EXECUTING THE LAST CHANNEL PROGRAM. CHANNEL CONTROL CHECK WILL ALSO BE ON.
17	(11)	BITSTRING	1	EWAERWF	ERW FLAGS
		1... ..		EWA2CCWV	SECONDARY CCW ADDRESS VALID
		.111 1111		*	RESERVED
18	(12)	BITSTRING	1	EWAERW2	Byte 2 of the Extended Report Word (ERW)
		1... ..		EWAOBE	Extended exception status is associated with the operation block
		.1.		EWARBS	Extra exception status has been stored.
		..11 1111		*	RESERVED
19	(13)	CHARACTER	1	*	RESERVED
20	(14)	BITSTRING	1	EWARGFG1	FLAG BYTE
		1... ..		EWACSIO	ALWAYS 0. INDICATES STATUS WAS NOT STORED AFTER A START SUBCHANNEL COMMAND.
		.1.		EWACINT	ALWAYS 1. INDICATES STATUS STORED FOLLOWING AN I/O INTERRUPT FOR START SUBCHANNEL.
		..1.		EWACTIO	ALWAYS 0. INDICATES STATUS WAS NOT STORED AFTER A TEST SUBCHANNEL COMMAND.
		...1		EWACHIO	ALWAYS 0. INDICATES STATUS WAS NOT STORED AFTER A HALT SUBCHANNEL COMMAND.
		.... 1..		EWAITO	INTERFACE TIMEOUT DETECTED
		.... .1..		EWACSNS	SENSE DATA WAS STORED
		.... ..1.		EWACCNT	CSW COUNT IS VALID
		.... ...1		EWANORTY	IF ON, OPERATION CANNOT BE RETRIED.
21	(15)	BITSTRING	1	EWALPUM	LAST PATH USED MASK (LPUM). THIS FIELD IS COPIED FROM THE EXTENDED STATUS WORD IF THE LPUM SETTING IS CONSISTENT WITH THE OTHER LOGOUT INDICATIONS.
22	(16)	BITSTRING	1	EWAXCSW1	VALIDITY INDICATORS
		1... ..		*	RESERVED
		.111 11..		EWACFVF	FIELD VALIDITY FLAGS
		.1.		EWACLPUV	LAST PATH USED MASK FIELD IS CONSISTENT WITH THE OTHER LOGOUT INDICATIONS
		..1.		EWACTCV	TERMINATION CODE IS VALID
		...1		EWACSQV	SEQUENCE CODE IS VALID
		.... 1..		EWACUNS	DEVICE STATUS IS VALID
		.... .1..		EWACCMD	CCW/TCW address is valid
		.... ..1.		EWACCHV	ALWAYS 1. INDICATES THE DEVICE NUMBER IS VALID.
		.... ...1		EWACDAV	ALWAYS 1. INDICATES THE DEVICE NUMBER IS VALID.
23	(17)	BITSTRING	1	EWAXCSW2	TERMINATION AND SEQUENCE CODES
		11..		EWACTEC	TERMINATION CODE - SEE BELOW FOR VALUES
		..1.		EWAD	DEVICE STATUS CHECK
		...1		EWAE	SECONDARY ERROR INDICATION
		.... 1..		EWACDIN	I/O ERROR ALERT
		.... .111		EWACSEQ	SEQUENCE CODES - SEE BELOW FOR VALUES
24	(18)	CHARACTER	2	EWACHA	DEVICE NUMBER ON WHICH I/O WAS STARTED
26	(1A)	BITSTRING	1	EWAFGLA	FLAGS FOR IOS INTERNAL USE
		1111		*	RESERVED
		.... 1111		EWADDE	BITS RESERVED FOR DEVICE DEPENDENT EXITS
27	(1B)	BITSTRING	1	EWAPATHS	PATHS TO BE USED FOR RETRY I/O. ONLY USED IF EWAAPR IS ON.
28	(1C)	ADDRESS	4	EWADRCW	ADDR OF RECORD CONTROL TABLE (VALID ONLY IF EWARCBLT=1)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	CHARACTER	1	EWADCNT	NUMBER OF BYTES OF OBR INFO
29	(1D)	ADDRESS	3	EWADDISP	ADDR OF OBR DEVICE DEPENDENT INFORMATION (EWARCBLT=0)
32	(20)	CHARACTER	184	EWAIERP	AREA FOR INDIVIDUAL ERPS
216	(D8)	CHARACTER	8	EWAFSA	When EWAFSAVF is one, contains the failing storage (real) address. This is valid for channel control checks, channel data checks, channel program checks (FCX), and protection checks (FCX).
216	(D8)	ADDRESS	4	EWAFSAH	High order word of FSA
216	(D8)	ADDRESS	4	EWASMADR	No longer used
220	(DC)	ADDRESS	4	EWAFSAL	Low order word of FSA
220	(DC)	BITSTRING	4	EWASMFLG	No longer used
224	(E0)	SIGNED	2	EWARSVD1	Reserved
224	(E0)	SIGNED	2	EWASMRC	No longer used
226	(E2)	BITSTRING	1	EWAPFCMD	Failing command code within the prefix area, otherwise zero
227	(E3)	BITSTRING	1	EWAVPATH	PATH MASK OF CHANNEL PATHS TO BE VARIED OFFLINE
228	(E4)	CHARACTER	4	EWAID	EBCDIC ACRONYM FOR EWA
232	(E8)	CHARACTER	4	EWAESW	EXTENDED STATUS WORD
236	(EC)	BITSTRING	2	EWAQTIME	IOS TIME VALUE WHEN I/O REQUEST WAS PLACED ON IOQ QUEUE (CONVERTED FROM IOQIOTCT)
238	(EE)	UNSIGNED	1	EWASNSRD	Lesser of the number of sense bytes actually read from the device and the number of sense bytes expected. The UCBSNSCT field contains the number of bytes that IOS expected the device to return and is set by the UIM. This field is not valid if EWABDSNS is set.
239	(EF)	UNSIGNED	1	EWASSID	Subchannel Set ID
240	(F0)	ADDRESS	4	EWASLH	POINTER TO SLH STORAGE
244	(F4)	ADDRESS	4	EWAERPCR	ERP CLEANUP ROUTINE ADDRESS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	STRUCTURE	80	EWADDIOS	
32	(20)	CHARACTER	64	EWASNS	SENSE DATA START
96	(60)	CHARACTER	12	*	RESERVED
108	(6C)	CHARACTER	4	EWA2CSW	2nd CCW translation address
112	(70)	CHARACTER	0	EWAEND	END OF EWA

EWA Constants

Len	Type	Value	Name	Description
Comment				
CONSTANTS FOR EWASCCD				
End of Comment				
1	HEX	00	EWASCC0	DEFERRED CONDITION CODE 0
Comment				
CONSTANTS FOR EWASNSCT				
End of Comment				
1	HEX	FF	EWASCTMX	MAXIMUM NUMBER OF SENSES TRIED.
Comment				
CONSTANTS FOR EWACTEC				
End of Comment				
0	BIT	00	EWATER0	INTERFACE DISCONNECT
0	BIT	01	EWATER1	STOP, STACK, OR NORMAL TERM
0	BIT	10	EWATER2	SELECTIVE RESET
Comment				
CONSTANTS FOR EWACSEQ				
End of Comment				
0	BIT	000	EWACSEQ0	RESERVED
0	BIT	001	EWACSEQ1	COMMAND SENT BUT STATUS NOT ANALYZED
0	BIT	010	EWACSEQ2	COMMAND ACCEPTED BY DEVICE BUT NO DATA HAS BEEN TRANSFERRED

EWA Cross Reference

Len	Type	Value	Name	Description
0	BIT	011	EWACSEQ3	AT LEAST ONE BYTE OF DATA HAS BEEN TRANSFERRED
0	BIT	100	EWACSEQ4	COMMAND NOT SENT OR SENT BUT NOT YET ACCEPTED
0	BIT	101	EWACSEQ5	COMMAND HAS BEEN ACCEPTED BUT DATA TRANSFER UNPREDICTABLE
0	BIT	110	EWACSEQ6	RESERVED
0	BIT	111	EWACSEQ7	RESERVED
Comment				
CONSTANTS FOR CONTROL BLOCK IDENTIFIER				
End of Comment				
4	CHARACTER	EWA	EWACID	CONTROL BLOCK IDENTIFIER

EWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EWA	0		EWAFSG3	6	
EWAAPR	4	40	EWAFSAH	D8	
EWABDSNS	4	01	EWAFSAH	D8	
EWACALC	10	01	EWAFSAL	DC	
EWACCCWC	10	04	EWAFSAVF	5	02
EWACCHV	16	02	EWAHDR	0	
EWACCMD	16	04	EWAID	E4	
EWACCNT	14	02	EWAIERP	20	
EWACDAV	16	01	EWAITO	14	08
EWACDIN	17	08	EWAJAM	6	80
EWACECF	10	7F	EWALBUSY	5	04
EWACFSTB	10		EWALPUM	15	
EWACFVF	16	7C	EWAMDR	5	80
EWACHA	18		EWANORTY	14	01
EWACHIO	14	10	EWAOBE	12	80
EWACIDAW	10	02	EWAPATHS	1B	
EWACINT	14	40	EWAPFCMD	E2	
EWACKEY	10	40	EWAQTIME	EC	
EWACLPUV	16	40	EWARBS	12	40
EWACMBDC	10	10	EWARCBLT	5	08
EWACMBPG	10	20	EWAREPET	4	20
EWACMBPT	10	08	EWARGFG1	14	
EWACNTRS	A		EWARSVD1	E0	
EWACNTR1	A		EWASCCD	4	0C
EWACNTR2	B		EWASCC1	4	04
EWACNTR3	C		EWASCC3	4	0C
EWACNTR4	D		EWASLH	F0	
EWACOVF	5	20	EWASLIS	4	80
EWACSEQ	17	07	EWASMADR	D8	
EWACSIO	14	80	EWASMFLG	DC	
EWACSNS	14	04	EWASMRC	E0	
EWACSQV	16	10	EWASNS	20	
EWACTCV	16	20	EWASNSCT	7	
EWACTEC	17	C0	EWASNSRD	EE	
EWACTIO	14	20	EWASSID	EF	
EWACUNS	16	08	EWASSTAT	8	
EWAD	17	20	EWASTUP	E	
EWADCNT	1C		EWAVPATH	E3	
EWADDE	1A	0F	EWAWTEMP	5	40
EWADDIOS	20		EWAXCSW1	16	
EWADDISP	1D		EWAXCSW2	17	
EWADDMSG	4	02	EWAXTRCD	4	10
EWADRCW	1C		EWA2CCWV	11	80
EWA	17	10	EWA2CSW	6C	
EWAEND	70				
EWAERPCR	F4				
EWAERPIB	10				
EWAERPRT	5	10			
EWAERWF	11				
EWAERW2	12				
EWAESW	E8				
EWAEXT	0				
EWAFSG3	4				
EWAFSGA	1A				
EWAFSG1	4				
EWAFSG2	5				

FBQE Information

FBQE Heading Information

Common Name: VSM Free Block Queue Element
Macro ID: IHAFBQE
DSECT Name: FBQE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245 or 255
 Key: 0
 Residency: Above 16M line
Size: 16 bytes
Created by: IEAVNIPO, IEAVNP08, IGVFVRGN, IGVGVRGN, IGVFRRGN, IGVGRRGN, IGVFSFBQ
Pointed to by: GDAFBQCF, GDAFBQCL, GDACSADR, GDAEFBCF, GDAEFBCL, LDAFBQAF, LDAFBQAL, LDAFBQSF, LDAFBQSL, LDAFBQRF, LDAFBQRL, LDAEFBAF, LDAEFBAL, LDAEFBSF, LDAEFBSL, LDAEFBRF, LDAEFBRL, RDFBQEF, RDFBQEL
Serialization: VSMFIX lock for global fixed subpools
 LOCAL lock for private area subpools
Function: Describes 4K multiple blocks of free space in CSA or the Private Area.

FBQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	FBQE	FREE BLOCK QUEUE ELEMENT
0	(0)	ADDRESS	4	FBQENEXT	ADDRESS OF NEXT FBQE
4	(4)	ADDRESS	4	FBQEPREV	ADDRESS OF PREVIOUS FBQE
8	(8)	UNSIGNED	4	FBQESIZE	SIZE OF FREE BLOCK (IN BYTES)
12	(C)	ADDRESS	4	FBQEAREA	ADDRESS OF THE FREE BLOCK

FFAP Information

FFAP Programming Interface information

Programming Interface information

FFAP

End of Programming Interface information

FFAP Heading Information • FFAP Map

FFAP Heading Information

Common Name: Monitor call event directory
Macro ID: AHLFFAP
DSECT Name: GTFAPP, RECHDR, GENDAT, USRDAT, WK200, and DAREA. RECHDR MAPS over the GTF record header. EID maps over the event identifier. GENDAT maps over the generalized data. USRDAT maps over the user data.
Owning Component: GTF (SC118)
Eye-Catcher ID: none
Storage Attributes: Main Storage: NO
 Virtual Storage: YES
 Auxiliary Storage: YES
 Subpool: N/A
 Key: 0 (ABDUMP), 8 (IPCS)
 Data Space: NO
 Residency: LOC(BELOW)
Size: 56 bytes
Created by: GTF formatting
Pointed to by: GPR 1
Serialization: N/A
Function: Map the GTF TRACE formatting appendage parameter and the new appendage work area list.

FFAP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTFAPP	, GTF APPENDAGE PARAMETER
0	(0)	SIGNED	4	(0)	WORD BOUNDARY
0	(0)	ADDRESS	4	GTFRECP	INPUT RECORD
4	(4)	ADDRESS	4	GTFBUIFP	OUTPUT BUFFER
8	(8)	ADDRESS	4	GTFOPP	GTF OPTION WORD
12	(C)	ADDRESS	4	GTFEIDP	EID IN RECORD
16	(10)	ADDRESS	4	GTFDATP	DATA PORTION
20	(14)	ADDRESS	4	GTFFRMP	ARCHAIC PATTERN FORMATTER
24	(18)	ADDRESS	4	GTFWKAP	ARCHAIC 200 BYTE AREA
28	(1C)	ADDRESS	4	GTFSNPR	ARCHAIC SNAPPARM
32	(20)	ADDRESS	4	GTFABDP	ABDPL
36	(24)	ADDRESS	4	GTFWALP	WORK AREA LIST
40	(28)	ADDRESS	4	GTFTABP	TRACE TABLE
44	(2C)	ADDRESS	4	GTFMTP	FORMAT PARAMETER
48	(30)	ADDRESS	4	GTFSRCEP	POINTER TO SOURCE DESCRIPTOR RECORD PERTAINING TO THIS GTF RECORD. THE SOURCE DESCRIPTOR RECORD IS MAPPED BY AHLZGTS. THIS IS THE LENGTH OF THE DATA PORTION OF A GTF RECORD. THE DATA PORTION OF THE GTF RECORD IS POINTED TO BY GTFDATP.
52	(34)	SIGNED	4	GTFDATL	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RECHDR	, GTF RECORD HEADER
0	(0)	SIGNED	4	(0)	WORD BOUNDARY
0	(0)	SIGNED	2	RECLLEN	RECORD LENGTH
2	(2)	CHARACTER	2		NOT REFERENCED
4	(4)	CHARACTER	1	AID	AID
5	(5)	ADDRESS	1	FID	FORMAT IDENTIFIER
6	(6)	CHARACTER	8	TIMESTMP	MAY NOT BE PRESENT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GENDAT	, GENERALIZED DATA MAP
0	(0)	SIGNED	4	(0)	WORD BOUNDARY
0	(0)	ADDRESS	4	GENASCB (0)	ASCB POINTER
0	(0)	SIGNED	2	RECERR	ERROR FIELD
2	(2)	SIGNED	2		PAD
4	(4)	SIGNED	2	GENCPU	CPU ADDRESS
6	(6)	CHARACTER	8	GENJOBN	JOBNAME

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	USRDAT	, USER DATA MAP
0	(0)	SIGNED	4	(0)	WORD BOUNDARY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	ADDRESS	4		REFER TO GENASCB
4	(4)	CHARACTER	8	USRJOB	JOBNAME IN USER RECORD

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WK200	,
0	(0)	CHARACTER	200		STORAGE ACROSS CALLS, ZEROED FOR EACH RECORD, ARCH.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DAREA	,
0	(0)	CHARACTER	2	EID	EVENT IDENTIFIER
2	(2)	CHARACTER	2	DELIM	ADDRESS TABLE DELIMITER
4	(4)	BITSTRING	2	CHKERR	COMPARE FOR ERROR RECORD

FFAP Cross Reference

Name	Hex Offset	Hex Value
AID	4	
CHKERR	4	EEEE
DAREA	0	
DELIM	2	4040
EID	0	
FID	5	
GENASCB	0	
GENCPU	4	
GENDAT	0	
GENJOB	6	
GTFABDP	20	
GTFAPP	0	
GTFBUFP	4	
GTFDACL	34	
GTFDACP	10	
GTFEIDP	C	
GTFFMTP	2C	
GTFFRMP	14	
GTFOPP	8	
GTFRECP	0	
GTFSNPR	1C	
GTFSRCEP	30	
GTFTABP	28	
GTFWALP	24	
GTFWKAP	18	
RECERR	0	
RECHDR	0	
RECLN	0	
TIMESTMP	6	
USRDAT	0	
USRJOB	4	
WK200	0	

FIB Information

FIB Heading Information

Common Name: VSM Format Information Block
Macro ID: IGVFIB
DSECT Name: FIB
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
 Residency: Above 16M line
Size: FIB -- 108 bytes
 STORAGE ESTIMATE: 1, USED BY THE VSMDATA IPCS SERVICE ROUTINES
Created by: IGVSFMAN
Pointed to by: FIBPTR
Serialization: None
Function: GENERAL PARAMETER LIST PASSED AMONG THE VSMDATA IPCS SERVICE ROUTINES

FIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	124	FIB	FORMAT ROUTINE INFORMATION BLOCK
0	(0)	ADDRESS	4	FIBABDPL	ADDRESS OF PRINT DUMP PARM LIST
4	(4)	ADDRESS	4	FIBDUMP	DUMP LOCATION OF CONTROL BLOCK
8	(8)	ADDRESS	4	FIBBLOCK	ACCESSED ADDRESS OF CONTROL BLOCK
12	(C)	SIGNED	4	FIBSCAN	NUMBER OF ELEMENTS TO SCAN
16	(10)	SIGNED	4	FIBALLOC	TOTAL AMOUNT ALLOCATED TO THE SUBPOOL
20	(14)	ADDRESS	4	FIBFMTPT	ADDRESS OF FORMAT PATTERN
20	(14)	ADDRESS	4	FIBMODEL	ADDRESS OF FORMAT MODEL
24	(18)	ADDRESS	4	FIBERROR	ADDRESS OF EBCDIC CONTROL BLK NAME
28	(1C)	BITSTRING	4	FIBFLAGS	STATUS FLAGS
		1...		FIBGDA	ERROR IN GDA
		.1.		FIBSPTT	ERROR IN SPTT
		..1.		FIBFVSWK	ERROR IN FIXED VSM WORK AREA
		...1.		FIBPVSWK	ERROR IN PAGABLE VSM WORK AREA
		.... 1...		FIBGVSPM	ERROR IN GLOBAL VSM CELL POOLS
		.... .1..		FIBSPT	ERROR IN CSA SUBPOOL TABLE
		.... ..1.		FIBGDEFR	GLOBAL DEFERRED RELEASE QUEUE
		.... ...1		FIBRGR	ERROR IN RGR
29	(1D)	1...		*	RESERVED
		.1.		FIBASCB	ERROR IN ASCB
		..1.		FIBLDA	ERROR IN LDA
		...1.		FIBLVSWK	ERROR IN PRIVATE AREA VSM WORK AREA
		.... 1...		FIBLVSPM	ERROR IN LOCAL VSM CELL POOL
		.... .1..		FIBEVDR	EXTD V-R REGION DATA FOUND
		.... ..1.		FIBESRD	EXTD SYS RGN DATA FOUND
		.... ...1		FIBLDEFR	LOCAL DEFERRED RELEASE QUEUE FOUND
30	(1E)	1...		FIBASXB	ERROR IN ASXB
		.1.		FIBTCB	ERROR IN TCB
		..1.		FIBAE	ERROR IN AE
		...1.		FIBSPQE	ERROR IN SPQE
		.... 1...		FIBSPQA	ERROR IN SPQA
		.... .1..		FIBCAUB	ERROR IN CAUB
		.... ..1.		FIBGQATITBL	ERROR IN GQAT Index Table
		.... ...1		FIBGQAT	ERROR IN GQAT
31	(1F)	1...		FIBGQE	ERROR IN GQE
		.1.		FIBASSB	ERROR IN ASSB
		..1.		FIBVAB	ERROR IN VAB
		...1.		FIBVSMXT	ERROR IN VSM Cell Pool Extent
		.... 1...		FIBSPQX	ERROR IN SPQX
		.... .111		*	RESERVED
32	(20)	CHARACTER	16	FIBPSEL	INFORMATION RETURNED FROM MODULE IGVSFPAR
32	(20)	ADDRESS	4	FIBASL	ADDRESS OF THE ASID SELECTION LIST
36	(24)	SIGNED	4	FIBASL_LEN	Length of the ASID selection list. This field is copied from ADPLPS31, which is in the select ASID service parameter list (ADPLPSEL), by IGVSFPAR. ADPLPSEL is in IGVSFPAR's dynamic area. Thus, ADPLPS31 is copied to the FIB so that routines other than IGVSFPAR can use it.
40	(28)	BITSTRING	8	FIBKEYS	KEYWORD INDICATORS
40	(28)	BITSTRING	1	FIBPSF1	KEYWORD INDICATORS FOR SELECT ASID SERVICE
		1...		FIBALL	1 => ALL KEYWORD SPECIFIED

FIB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		FIBCUR	1 => CURRENT KEYWORD SPECIFIED
		..1.		FIBERR	1 => ERROR KEYWORD SPECIFIED
		...1		FIBTERR	1 => TCBERROR KEYWORD SPECIFIED
		.... 1...		FIBJOBL	1 => JOBLIST KEYWORD SPECIFIED
		.... .1..		FIBASIDL	1 => ASIDLIST KEYWORD SPECIFIED
		.... ..11		*	RESERVED
41	(29)	BITSTRING	1	FIBPSF2	KEYWORD INDICATORS FOR VSMDATA ONLY
		1...		FIBCBS	1 => CONTROLBLOCKS KEYWORD SPECIFIED
		..1.		FIBGLOB	1 => GLOBAL KEYWORD SPECIFIED
		...1		FIBNOGLB	1 => NOGLOBAL KEYWORD SPECIFIED
		.... 1...		FIBNOAS	1 => NOASID KEYWORD SPECIFIED
		.... 1111		*	RESERVED
42	(2A)	BITSTRING	6	FIBPSF3	KEYWORD INDICATORS FOR VSMDATA OWNCOMM PARAMETER
		1...		FIBOWNC	1 => OWNCOMM KEYWORD SPECIFIED
		..1.		FIBSUMM	1 => SUMMARY KEYWORD SPECIFIED
		...1		FIBDETL	1 => DETAIL KEYWORD SPECIFIED
		.... 1...		FIBSYS	1 => SYSTEM KEYWORD SPECIFIED
		.... .1..		FIBSORT	1 => SORTBY KEYWORD SPECIFIED
		.... ..1.		FIBASLEN	1 => ASIDLEN KEYWORD SPECIFIED
		.... ...1		FIBASADR	1 => ASIDADDR KEYWORD SPECIFIED
		1...		FIBADDR	1 => ADDRESS KEYWORD SPECIFIED
43	(2B)	BITSTRING		FIBLEN	1 => LENGTH KEYWORD SPECIFIED
		..1.		FIBTIME	1 => TIME KEYWORD SPECIFIED
		...1		FIBCONT	1 => CONTENTS KEYWORD SPECIFIED
		.... 1...		FIBCONTY	1 => YES KEYWORD SPECIFIED
		.... ..1.		FIBCONTN	1 => NO KEYWORD SPECIFIED
		.... ...1		FIBVALIDATE	1 => VALIDATE keyword specified
		.... ..1.		FIBVALIDATEY	1 => YES KEYWORD SPECIFIED
		.... ...1		FIBVALIDATEN	1 => NO KEYWORD SPECIFIED
44	(2C)	BITSTRING	3	FIBOGO	1 => OWNERGONEONLY keyword specified
44	(2C)	BITSTRING	3	*	RESERVED
48	(30)	CHARACTER	4	FIBACRO	Acronym of the control block currently being processed.
52	(34)	BITSTRING	4	FIBPARF	Flags returned by the parser
		1...		FIBSTXER	Syntax error occurred
		..1.		FIBCSA	OWNCOMM(CSA) option
		.... 1...		FIBSQA	OWNCOMM(SQA) option
52	(34)	BITSTRING	3	*	RESERVED
56	(38)	ADDRESS	4	FIBPSAI	Address of PDE chain input to the Select ASID service
60	(3C)	ADDRESS	4	FIBTABLEPTR	Address of DETAIL/SUMMARY Table
64	(40)	SIGNED	4	FIBTABLESIZE	Size of DETAIL/SUMMARY Table
68	(44)	SIGNED	4	FIBTABLEINDEX	Index into the DETAIL/SUMMARY Table
72	(48)	CHARACTER	16	FIBGRANDTACTIVE	Grand Totals for Active ASIDs
72	(48)	UNSIGNED	4	FIBGRANDTACTIVECSA	CSA held
76	(4C)	UNSIGNED	4	FIBGRANDTACTIVESQA	SQA held
80	(50)	UNSIGNED	4	FIBGRANDTACTIVEECSA	ECSA held
84	(54)	UNSIGNED	4	FIBGRANDTACTIVESQA	ESQA held
88	(58)	CHARACTER	16	FIBGRANDTOWNGONE	Grand Totals for Owner Gone ASIDs
88	(58)	UNSIGNED	4	FIBGRANDTOWNGONECSA	CSA held
92	(5C)	UNSIGNED	4	FIBGRANDTOWNGONESQA	SQA held
96	(60)	UNSIGNED	4	FIBGRANDTOWNGONEECSA	ECSA held
100	(64)	UNSIGNED	4	FIBGRANDTOWNGONESQA	ESQA held
104	(68)	ADDRESS	4	FIBPDRPTR	PDL extent chain header
108	(6C)	CHARACTER	8	FIBALLOCBYAREA	Allocate storage by area per subpool
108	(6C)	UNSIGNED	4	FIBALLOC16M	Portion of FIBALLOC with virtual > 16M
112	(70)	UNSIGNED	4	FIBALLOCL16M	Portion of FIBALLOC with virtual < 16M
116	(74)	ADDRESS	4	FIBGDA@	GDA address
120	(78)	ADDRESS	4	FIBFIBEP	FIB Extension
124	(7C)	CHARACTER	0	FIBEND	END OF FIB

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	44	FIBSUM	Mapping of SUMMARY table
0	(0)	BITSTRING	2	FIBSUMASID	ASID
2	(2)	CHARACTER	8	FIBSUMJOBNAME	JobName
10	(A)	CHARACTER	8	FIBSUMID	Id
18	(12)	CHARACTER	2	FIBSUMSTATUS	Status
20	(14)	UNSIGNED	4	FIBSUMTOTAL	Total common storage
24	(18)	UNSIGNED	4	FIBSUMSQA	SQA
28	(1C)	UNSIGNED	4	FIBSUMCSA	CSA
32	(20)	UNSIGNED	4	FIBSUMESQA	ESQA
36	(24)	UNSIGNED	4	FIBSUMECSA	ECSA
40	(28)	ADDRESS	4	FIBSUMCAUB	CAUB address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	49208	FIBE	Fib Extension
0	(0)	CHARACTER	4	FIBEFIBE	Acronym
4	(4)	CHARACTER	4	FIBEFBQEBAD	Reserved Available
		1... ..		FIBEPREVIOUSPAGEALLOCATED	
		.1.		FIBELDABAD	
		..1.		FIBEFBQEBAD	
		...1		FIBESUBPOOLTABLEOVERFLOW	
		.... 1...		FIBESUBPOOLHDRPRINTED	
8	(8)	SIGNED	4	FIBECOUNT	Count of entries in Fibe
12	(C)	ADDRESS	4	FIBALLOCABOVE	Current Subpool above
16	(10)	ADDRESS	4	FIBALLOCBELOW	Current Subpool below
20	(14)	ADDRESS	4	FIBALLOCANY	Current Subpool anywhere
24	(18)	ADDRESS	4	FIBELSQBOTTOM	Bottom of LSQA area which is a value calculated by finding an FBQE with an area corresponding to LDACRGTP. Add FBQEAREA + FBQESIZE for that FBQE. If no FBQE matches the value is = LDACRGTP
28	(1C)	ADDRESS	4	FIBEELSQBOTTOM	Bottom of ELSQA area which is a value calculated by finding an FBQE with an area corresponding to LDAERGTP. Add FBQEAREA + FBQESIZE for that FBQE. If no FBQE matches the value is = LDAERGTP
32	(20)	ADDRESS	4	FIBETARGETFBQEAREA	Address for IGVERD to Find the FBQE that matches and return the SIZE in the FibeTargetFbqeSize
36	(24)	ADDRESS	4	FIBETARGETFBQESIZE	Value for IGVERD to return the FBQESIZE for a given FibeTargetFbqeArea
40	(28)	CHARACTER	3	FIBECURRENTSPN	Current Subpool Number
43	(2B)	CHARACTER	2	FIBECURRENTKEY	Current Subpool Key number
45	(2D)	CHARACTER	8	FIBECURRENTTCB	Current TCB address
53	(35)	CHARACTER	3	*	Reserved available
56	(38)	CHARACTER	24	FIBEENTRY	
				(4294969344:562144192)	
56	(38)	ADDRESS	4	FIBETCB	Pointer To Tcb Owner Binary
60	(3C)	CHARACTER	6	FIBESPNPKY	Used to reference both SP & KEY
60	(3C)	CHARACTER	3	FIBESPN	Character Subpool Number
63	(3F)	CHARACTER	1	*	Reserved available
64	(40)	CHARACTER	2	FIBESPKY	Character Storage Key
66	(42)	CHARACTER	2	*	Reserved available
68	(44)	ADDRESS	4	FIBALLOCB	Below allocated to Subpool
72	(48)	ADDRESS	4	FIBALLOC A	Above allocated to Subpool
76	(4C)	ADDRESS	4	FIBALLOC	Total allocated to Subpool

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	FIBDET	Mapping of DETAIL table
0	(0)	BITSTRING	2	FIBDETASID	ASID
2	(2)	CHARACTER	8	FIBDETJOBNAME	JobName
10	(A)	CHARACTER	8	FIBDETID	Id
18	(12)	CHARACTER	2	FIBDETSTATUS	Status
20	(14)	ADDRESS	4	FIBDETADDR	Address of Getmain

FIB Constants • FIB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	UNSIGNED	4	FIBDETLEN	Length of Getmain
28	(1C)	ADDRESS	4	FIBDETRET	Return address
28	(1C)	BITSTRING	3	*	
31	(1F)	.... ...1		FIBDETCSA	1 => CSA, 0 => SQA
32	(20)	UNSIGNED	4	FIBDETTIMEDATE	Time stamp
		1...		FIBDETTIMEHIGHBIT	
36	(24)	ADDRESS	4	FIBDETCaub	CAUB address
40	(28)	ADDRESS	4	FIBDETDBG	GQE address
44	(2C)	CHARACTER	2	FIBDETATTR	Detect/Protect attributes
46	(2E)	CHARACTER	2	*	Reserved

FIB Constants

Len	Type	Value	Name	Description
1	DECIMAL	0	FIBFORMATNOOPTIONS	
1	DECIMAL	1	FIBFORMATNOLEADINGZERO	
1	DECIMAL	3	FIBFORMATUNPRINT	
4	DECIMAL	2048	FIBEMAXC	Maximum number of Fibe Entries
4	CHARACTER	FIBE	FIBEACRO	Acronym

Comment

Area prefix string

End of Comment

10	CHARACTER		FIBEAREAPREFIX	
1	BIT	01111011	FIBPSF1COMMONPARMS	Parameters which are common to CONTROLBLOCKS and and OWNCOMM
6	BIT	0011111111111111 0111111111111111 1111111111111111	FIBMASKSUMM	Masks the OWNCOMM, SUMMARY, and OGO flags in OWNCOMM parameters
6	BIT	1001111111111111 1111111111111111 1111111111111111	FIBMASKCBSDETSUM	

Masks DETAIL/SUMMARY bits allowed with Controlblocks

FIB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
FIB	0		FIBDETADDR	14	
FIBABDPL	0		FIBDETASID	0	
FIBACRO	30		FIBDETATTR	2C	
FIBADDR	2A	01	FIBDETCaub	24	
FIBAE	1E	20	FIBDETCSA	1F	01
FIBALL	28	80	FIBDETDBG	28	
FIBALLOC	10		FIBDETID	A	
FIBALLOCBYAREA			FIBDETJOBNAME		
	6C			2	
FIBALLOCGT16M			FIBDETL	2A	20
	6C		FIBDETLEN	18	
FIBALLOCLT16M			FIBDETRET	1C	
	70		FIBDETSTATUS	12	
FIBASADR	2A	02	FIBDETTIMEDATE		
FIBASCB	1D	40		20	
FIBASIDL	28	04	FIBDETTIMEHIGHBIT		
FIBASL	20			20	80
FIBASL_LEN	24		FIBDUMP	4	
FIBASLEN	2A	04	FIBE	0	
FIBASSB	1F	40	FIBALLOC	4C	
FIBASXB	1E	80	FIBALLOCa	48	
FIBBLOCK	8		FIBALLOCABOVE		
FIBCAUB	1E	04		C	
FIBCBS	29	80	FIBALLOCANY	14	
FIBCONT	2B	20	FIBALLOCb	44	
FIBCONTN	2B	08	FIBALLOCBELOW		
FIBCONTY	2B	10		10	
FIBCSA	34	40	FIBECOUNT	8	
FIBCUR	28	40	FIBECURRENTKEY		
FIBDET	0			2B	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
FIBCURRENTSPN	28		FIBOGO	2C	80
FIBCURRENTTCB	2D		FIBOWNC	2A	80
FIBEELSQABOTTOM	1C		FIBPARF	34	
FIBEENTRY	38		FIBPDRPTR	68	
FIBFBQEBAD	4	20	FIBPSAI	38	
FIBEFIBE	0		FIBPSEL	20	
FIBFLAGS	4		FIBPSF1	28	
FIBELDABAD	4	40	FIBPSF2	29	
FIBELSQABOTTOM	18		FIBPSF3	2A	
FIBEND	7C		FIBPVSWK	1C	10
FIBEPREVIOUSPAGEALLOCATED	4	80	FIBRGR	1C	01
FIBERR	28	20	FIBSCAN	C	
FIBERROR	18		FIBSORT	2A	08
FIBESPKY	40		FIBSPQA	1E	08
FIBESPN	3C		FIBSPQE	1E	10
FIBESPNSPKY	3C		FIBSPQX	1F	08
FIBESRD	1D	02	FIBSPT	1C	04
FIBSUBPOOLHDRPRINTED	4	08	FIBSPTT	1C	40
FIBSUBPOOLTABLEOVERFLOW	4	10	FIBSQA	34	20
FIBTARGETFBQEAREA	20		FIBSTXER	34	80
FIBTARGETFBQESIZE	24		FIBSUM	0	
FIBETCB	38		FIBSUMASID	0	
FIBEVRD	1D	04	FIBSUMCAUB	28	
FIBFIBEP	78		FIBSUMCSA	1C	
FIBFLAGS	1C		FIBSUMECSA	24	
FIBFMTPT	14		FIBSUMESQA	20	
FIBFVSWK	1C	20	FIBSUMID	A	
FIBGDA	1C	80	FIBSUMJOBNAME	2	
FIBGDA@	74		FIBSUMM	2A	40
FIBGDEFR	1C	02	FIBSUMSQA	18	
FIBGLOB	29	40	FIBSUMSTATUS	12	
FIBGQAT	1E	01	FIBSUMTOTAL	14	
FIBGQATITBL	1E	02	FIBSYS	2A	10
FIBGQE	1F	80	FIBTABLEINDEX	44	
FIBGRANDTACTIVE	48		FIBTABLEPTR	3C	
FIBGRANDTACTIVECSA	48		FIBTABLESIZE	40	
FIBGRANDTACTIVEECSA	50		FIBTCB	1E	40
FIBGRANDTACTIVEESQA	54		FIBTERR	28	10
FIBGRANDTACTIVESQA	4C		FIBTIME	2B	40
FIBGRANDTOWNGONE	58		FIBVAB	1F	20
FIBGRANDTOWNGONECSA	58		FIBVALIDATE	2B	04
FIBGRANDTOWNGONEECSA	60		FIBVALIDATEN	2B	01
FIBGRANDTOWNGONEESQA	64		FIBVALIDATEY	2B	02
FIBGRANDTOWNGONESQA	5C		FIBVSMXT	1F	10
FIBGVSM	1C	08			
FIBJOBL	28	08			
FIBKEYS	28				
FIBLDA	1D	20			
FIBLDEFR	1D	01			
FIBLEN	2B	80			
FIBLVSM	1D	08			
FIBLVSWK	1D	10			
FIBMODEL	14				
FIBNOAS	29	10			
FIBNOGLB	29	20			

FIX Information

FIX Heading Information

Common Name: Channel Program Translator Fix List
Macro ID: IECDFIX
DSECT Name: FIX
Owning Component: EXCP (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 226, 230, or 245
 Key: 0
 Residency: Above or below 16M
Size: 248 bytes
Created by: IECVEXCP from a large block obtained from the storage manager.
Pointed to by: TCCWFIX in IECDXCCW
Serialization: None
Function: This macro describes the FIX list that is built by the CCW or zHPF channel program translator to fix the pages associated with a caller's virtual channel program. The FIX block consists of an 8 byte header and multiple 8 byte FIX list entries.

Notes:
 Prior to MVS XA, EXCP used an internal PGFREE interface to unfix the pages in the fix list. The input to this interface is a virtual subarea list (see macro IHAVSL) which contains one or more 8 byte fix list entries. Each fix list entry consists of a starting and ending address, where the high order 8 bits contains flags and the low order 24 bits contain the storage address. The last entry in the fix list is indicated by setting the high order bit of the last ending address. Fix lists could also be chained together by setting the continuation flag (bit 0) in the starting address. In this case, the fix list entry contains a pointer to the next fix list to process instead of the start of the page fixed area. This allowed a program to page free the storage for an entire chain of fix lists.
 With MVS XA, EXCP was changed to use PGSER BRANCH=SPECIAL to unfix the pages. The input to this interface is a short page service list entry (see macro IHASSL), which contains one or more 8 byte fix list entries. Each fix list entry consists of a starting and ending address. The last entry in the fix list is indicated by setting the high order bit of the last ending address. Unlike the VSL format, the SSL format does not support chaining fix lists together and page freeing them in one PGSER call. Instead, a separate PGSER call must be done for each fix list.
 Although the current PGSER interface does not support chaining of fix lists, IECVXCCW still uses the last fix list entry in each fix block to create a continuation chain. In fact, IECVXCCW uses only 160 bytes of the fix block, which is the old large block size prior to going to 248 byte large blocks. IECVTHPF does not do this - it uses all of the available fix list entries in the 248 byte block.

FIX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FIX	
0	(0)	ADDRESS	4	FIXCHAIN	Fix block chain pointer
4	(4)	BITSTRING	1	FIXINUSE	Number of fix list entries in use - used by the zHPF translator only
5	(5)	BITSTRING	3		Reserved

Comment

Each Fix list entry layout is 8 bytes in length.

End of Comment

FIX Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	ADDRESS 1...	4	FIXLSTST	Start address of area to be fixed
				FIXCONT	"X'80" Fix list continuation flag
12	(C)	ADDRESS 1...	4	FIXLSTEN	End address of area to be fixed
				FIXLAST	"X'80" Last fix entry flag
12	(C)	X'80'	0	LASTENT	"FIXLast" Last fix entry flag

Comment

Fix list equates

End of Comment

12	(C)	X'8'	0	FIXHL	"FIXLSTST-FIX" Header length
12	(C)	X'8'	0	FIXEL	"FIXLSTEN+L'FIXLSTEN-FIXLSTST" Fix list entry length
12	(C)	X'13'	0	FIXNE	"19" Number of fix list entries- 160 byte block caller
12	(C)	X'1E'	0	FIXNEL	"30" Number of fix list entries- 248 byte block caller
12	(C)	X'F8'	0	FIXBL	"FIXHL+FIXEL*FIXNEL" Size of fix list block

FIX Cross Reference

Name	Hex Offset	Hex Value
FIX	0	
FIXBL	C	F8
FIXCHAIN	0	
FIXCONT	8	80
FIXEL	C	8
FIXHL	C	8
FIXINUSE	4	
FIXLAST	C	80
FIXLSTEN	C	
FIXLSTST	8	
FIXNE	C	13
FIXNEL	C	1E
LASTENT	C	80

FMLE Information

FMLE Heading Information

Common Name: FASTID Map List Entry
Macro ID: IHAFMLE
DSECT Name: FMLE
Owning Component: Data-in-virtual (SCDIV)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: Caller's current address space
Size: 16 bytes
Created by: User of FASTID macro
Pointed to by: N/A
Serialization: None
Function: FMLE is a mapping of an entry in a FASTID Maplist which is a parameter passed to the FASTID macro.

FMLE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	FMLE	FASTID MAP LIST ENTRY
0	(0)	ADDRESS	4	FMLAREA	ADDRESS OF VIRTUAL AREA
4	(4)	UNSIGNED	4	FMLOFFST	BLOCK OFFSET
8	(8)	UNSIGNED	4	FMLSPAN	SPAN VALUE
12	(C)	UNSIGNED	1	FMLPFCNT	PAGE FAULT COUNT
13	(D)	CHARACTER	3	*	RESERVED - MUST BE ZERO

FMTB Information

FMTB Programming Interface information

Programming Interface information

FMTB

End of Programming Interface information

FMTB Heading Information • FMTB Map

FMTB Heading Information

Common Name: Component Trace format table
Macro ID: ITTFMTB
DSECT Name: FMTB
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: FMTB
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: Private storage in IPCS users address space
 Subpool: 1
 Key: 8
Size: 128 byte header
 plus up to 128 65,535 byte entries
Created by: CTRACE user
Pointed to by: Must reside in a load library available to IPCS.
 Used by the CTRACE subcommand processor to format trace entries.
Serialization: None
Function: ITTFMTB allows the user to generate a component trace format table or a mapping of the format table. A keyword indicates the function to be performed:
 MAP Defines the mapping for a format table.
 TABLEDATA Begins a definition of an initialized format table and supplies that information that appears once in the table.
 EVENTDATA Defines the data associated with a single event in an initialized format table. One macro should be provided for each event that may be recorded in a component trace table.
 As many as 65,535 ITTFMTB EVENTDATA macros can be specified in a format table. (This limit is derived from the halfword dimension field in the header of the table and is not enforced by the macro.)
 TABLEEND Ends the definition of an initialized format table.

FMTB 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	FMTB	, FORMAT TABLE MAP
0	(0)	SIGNED	4	(0)	ALIGNED ON FULLWORD BOUNDARY
0	(0)	BITSTRING	128	FMTBHDR (0)	FORMAT TABLE HEADER
0	(0)	CHARACTER	5	FMTBID	IDENTIFIER STRING AND LEVEL
5	(5)	BITSTRING	3	FMTBFL	RESERVED
8	(8)	ADDRESS	2	FMTBENT	NUMBER OF FORMAT ENTRIES
10	(A)	ADDRESS	2	FMTBENTS	SIZE OF A FORMAT ENTRY
12	(C)	CHARACTER	8	FMTBFILX (0)	NAME OF COMPONENT FILTER EXIT
12	(C)	SIGNED	4	FMTBFILO	ZERO IF FILTER EXIT ADDRESS SPECIFIED
16	(10)	ADDRESS	4	FMTBFILA	ADDRESS OF FILTER EXIT
20	(14)	CHARACTER	8	FMTBLOCX (0)	NAME OF COMPONENT LOCATE BUFFER EXIT
20	(14)	SIGNED	4	FMTBLOC0	ZERO IF LOCATE BUFFER EXIT ADDRESS SPECIFIED
24	(18)	ADDRESS	4	FMTBLOCA	ADDRESS OF LOCATE BUFFER EXIT
28	(1C)	ADDRESS	2	FMTBELNG	LENGTH OF TRACE ENTRIES
30	(1E)	BITSTRING	98		RESERVED
128	(80)	BITSTRING	96	FMTBNTRY (0)	FORMAT TABLE ENTRY
128	(80)	BITSTRING	4	FMTBFMID	ENTRY IDENTIFIER
132	(84)	CHARACTER	8	FMTBFORM (0)	FORMATTER NAME
132	(84)	SIGNED	4	FMTBFOR0	ZERO IF FORMAT EXIT ADDRESS SPECIFIED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	ADDRESS	4	FMTBFORA	ADDRESS OF FORMAT EXIT
140	(8C)	CHARACTER	8	FMTBMODL (0)	MODEL NAME
140	(8C)	SIGNED	4	FMTBMOD0	ZERO IF MODEL ADDRESS SPECIFIED
144	(90)	ADDRESS	4	FMTBMODA	ADDRESS OF MODEL
148	(94)	CHARACTER	8	FMTBMNEM	MNEMONIC FOR TRACE ENTRY
156	(9C)	BITSTRING	2	FMTBFLGS (0)	FORMAT CONTROL FLAGS
156	(9C)	BITSTRING	1	FMTBFLG1	FORMAT CONTROL FLAGS
		1...		FMTBEXCP	"BIT0" TRACE ENTRY IS EXCEPTIONAL
157	(9D)	BITSTRING	1		RESERVED
158	(9E)	CHARACTER	32	FMTBDESC	TRACE ENTRY DESCRIPTION
190	(BE)	BITSTRING	2	FMTBSMVW	SUMMARY VIEW DEFINITION
192	(C0)	BITSTRING	2	FMTBFLVW	FULL VIEW DEFINITION
194	(C2)	ADDRESS	2	FMTBASOF (5)	OFFSETS INTO TRACE ENTRY FOR ASIDS
204	(CC)	ADDRESS	2	FMTBJOBO (5)	OFFSETS INTO TRACE ENTRY FOR JOB NAMES
214	(D6)	ADDRESS	2	FMTBCOMD	COMPONENT DATA
216	(D8)	BITSTRING	8		RESERVED

FMTB 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
FMTB	0	
FMTBASOF	C2	
FMTBCOMD	D6	
FMTBDESC	9E	
FMTBELNG	1C	
FMTBENT	8	
FMTBENTS	A	
FMTBEXCP	9C	80
FMTBFILA	10	
FMTBFILX	C	
FMTBFIL0	C	
FMTBFL	5	
FMTBFLGS	9C	
FMTBFLG1	9C	
FMTBFLVW	C0	
FMTBFMID	80	
FMTBFORA	88	
FMTBFORM	84	
FMTBFOR0	84	
FMTBHDR	0	
FMTBID	0	
FMTBJOBO	CC	
FMTBLOCA	18	
FMTBLOCX	14	
FMTBLOC0	14	
FMTBMNEM	94	
FMTBMODA	90	
FMTBMODL	8C	
FMTBMOD0	8C	
FMTBNTRY	80	
FMTBSMVW	BE	

FQE Information

FQE Heading Information

Common Name: VSM Free Queue Element
Macro ID: IHAFQE
DSECT Name: FQE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245 or 255
 Key: 0
 Residency: Above 16M line
Size: 20 bytes
Created by: IGVGCSA, IGVGPVT, IGVGAPVT, IGVFSDQE
Pointed to by: DQEFFQE, DQELFQE, FQENEXT, FQEPREV
Serialization: VSMFIX lock for global subpools
 LOCAL lock for private area subpools
Function: Describes CSA and Private Area free space within pages allocated to a subpool.

FQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	FQE	FREE QUEUE ELEMENT
0	(0)	ADDRESS	4	FQEAREA	ADDRESS OF FREE AREA
4	(4)	UNSIGNED	4	FQESIZE	SIZE OF FREE AREA
8	(8)	ADDRESS	4	FQENEXT	ADDRESS OF NEXT FQE
12	(C)	ADDRESS	4	FQEPREV	ADDRESS OF PREVIOUS FQE
16	(10)	ADDRESS	4	FQEDQE	ADDRESS OF CONTAINING DQE

FRRS Information

FRRS Programming Interface information

Programming Interface information

FRRS

INCLUDE ONLY

End of Programming Interface information

FRRS Heading Information • FRRS Map

FRRS Heading Information

Common Name: FUNCTION RECOVERY ROUTINE STACK
Macro ID: IHAFFRS
DSECT Name: FRRS, FRRSXSTK, FRRSENTR, FRRSXENT
Owning Component: RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 239
 Key: 0
Size: 856 BYTES OR LESS
Created by: IEAVNIP0 OR IEFVCPU
Pointed to by: PSA DATA AREA FIELDS -
 PSACSTK (CURRENT FRR STACK)
 PSANSTK (NORMAL FRR STACK)
 PSASSTK (SVC-I/O-DISPATCHER FRR STACK)
 PSASSAV (CURRENT FRR STACK SAVED BY SVC-I/O-DISPATCHER)
 PSAMSTK (MACHINE CHECK FLIH FRR STACK)
 PSAMSAV (CURRENT FRR STACK AT TIME OF MACHINE CHECK)
 PSAPSTAK (PROGRAM CHECK FLIH FRR STACK)
 PSAPSAV (CURRENT FRR STACK AT TIME OF PROGRAM CHECK)
 PSAESTK1 (EXTERNAL FLIH1 FRR STACK)
 PSAESAV1 (CURRENT FRR STACK AT TIME OF EXTERNAL INTERRUPT)
 PSAESTK2 (EXTERNAL FLIH2 FRR STACK)
 PSAESAV2 (CURRENT FRR STACK AT TIME OF FIRST RECURSIVE EXTERNAL INTERRUPT)
 PSAESTK3 (EXTERNAL FLIH3 FRR STACK)
 PSAESAV3 (CURRENT FRR STACK AT TIME OF SECOND RECURSIVE EXTERNAL INTERRUPT)
 PSARSTK (RESTART FLIH FRR STACK)
 PSARSAV (CURRENT FRR STACK AT TIME OF RESTART INTERRUPT)
 PSATSTK (RECOVERY TERMINATION MANAGER FRR STACK)
 PSATSAV (ERROR STACK SAVED BY RTM PROCESSING)
 PSAASTK (ALTERNATE CPU RECOVERY FRR STACK)
 PSAASAV (FRR STACK SAVED BY ACR PROCESSING)
Serialization: AT LEAST ONE OF THE FOLLOWING -
 DISABLEMENT, SRB MODE, ANY LOCK HELD, OR AN EUT=YES FRR IS ESTABLISHED AND HAS NOT BEEN DELETED
Function: MAPPING OF FRR STACK CONTENTS, USED WITH THE SETFRR MACRO TO DEFINE FRRS

FRRS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FRRS	, FRRSPTR
0	(0)	CHARACTER	88	FRRSND (0)	NON-DYNAMIC PART OF FRRS
0	(0)	CHARACTER	16	FRRSHEAD (0)	THE HEADER OF THE FRR STACK
0	(0)	ADDRESS	4	FRRSEMP	ADDRESS WHICH INDICATES AN EMPTY STACK
4	(4)	ADDRESS	4	FRRSLAST	ADDRESS OF LAST ENTRY IN THE STACK
8	(8)	SIGNED	4	FRRSELEN	LENGTH OF EACH FRR ENTRY IN THE STACK
12	(C)	CHARACTER	36	FRRSCP1P (0)	COPIED BY FRRSCOPY WHEN "PLUS1"
12	(C)	ADDRESS	4	FRRSCURR	ADDRESS OF CURRENT FRR ENTRY IN THE STACK
16	(10)	CHARACTER	32	FRRSCP1Y (0)	COPIED BY FRRSCOPY
16	(10)	CHARACTER	24	FRRSRSA	SETFRR REG 14-3 SAVE AREA
40	(28)	CHARACTER	4	FRRSRTMW	RECURSION CONTROL DATA REMOVED FROM THE RT1W
44	(2C)	SIGNED	2	FRRSENTL	LENGTH OF ENTRIES FOR FRRSCOPY
46	(2E)	SIGNED	2	FRRSEXTL	LENGTH OF EXTENSIONS FOR FRRSCOPY
48	(30)	CHARACTER	8		RESERVED FOR FUTURE USE
56	(38)	ADDRESS	4	FRRSRTMA	RTM1 WORK AREA ADDRESS
60	(3C)	ADDRESS	4	FRRSXSTA	ADDRESS OF THE EXTENSIONS TO THE FRR ENTRIES (ACTUAL SIZE IS 16 TIME THE MAXIMUM NUMBER OF ENTRIES)
64	(40)	CHARACTER	24	FRRSCP2Y (0)	COPIED BY FRRSCOPY
64	(40)	CHARACTER	24	FRRSASA	SETFRR AR 14-3 SAVE AREA
88	(58)	CHARACTER	1	FRRSENTS	FRR ENTRIES IN STACK

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FRRSXSTK	, FRRSXSTA THE FRR EXTENSIONS
0	(0)	CHARACTER	0		ACTUAL SIZE

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	FRRSENTR	, FRREPTR THE MAPPING OF A FRR ENTRY
0	(0)	ADDRESS	4	FRRSFRA1 (0)	THE ADDRESS OF THE FRR
0	(0)	CHARACTER	3		HIGH ORDER 3 BYTES OF FRR ADDR
3	(3)	CHARACTER	1	FRRSFRA1	LOW ORDER BYTE OF FRR ADDRESS
		.... ..1		FRRSXFLG	"X'01" FLAG INDICATING FRRSFLGS INITIALIZED WHEN SETFRR WAS ISSUED
4	(4)	CHARACTER	4	FRRSFLGS (0)	FLAGS USED BY RTM DURING FRR PROCESSING
4	(4)	BITSTRING	1	FRRSFLG1	RECURSION FLAGS USED BY RTM
		1...		FRRSRCUR	"X'80" RECURSION FLAG USED WHEN GIVING CONTROL TO FRR AND WHEN RECEIVING CONTROL BACK FROM FRR
		..1.		FRRSNEST	"X'40" FLAG INDICATING A NESTED FRR ENTRY
		..1.		FRRSNLCL	"X'20" FLAG INDICATING THAT NESTED FRR IS A MODE=LOCAL FRR
		...1		FRRSNGLB	"X'10" FLAG INDICATING THAT NESTED FRR IS A MODE=GLOBAL FRR
		.... 1...		FRRSNRTY	"X'08" FRR RETRY INDICATOR. IF ON, FRR CANNOT RETRY
5	(5)	BITSTRING	1	FRRSFLG2	RESERVED
6	(6)	BITSTRING	1	FRRSFLG3	RESULT OF IAC INSTRUCTION FROM TIME OF SETFRR
7	(7)	BITSTRING	1	FRRSFLG4	FLAGS TO INDICATE OPTIONS CHOSEN WHEN THE SETFRR WAS ISSUED
		1...		FRRSEUT	"X'80" ENABLED UNLOCKED TASK FRR (EUT=YES ON SETFRR)
		..1.		FRRSNCNL	"X'40" CANCEL=NO REQUESTED, ROUTINE RUNS PROTECTED FROM CANCELS AND DETACHES
		.... 1...		FRRSLO31	"X'20" THIS FRR CAN TOLERATE AN SDWA ABOVE THE 16M LINE
		...1		FRRSAM64	"X'10" AMODE 64 FRR
		.... 1...		FRRSFULL	"X'08" MODE=FULLXM WAS SPEC ON SETFRR
		.... ..1.		FRRSPRIM	"X'04" MODE=PRIMARY SPEC ON SETFRR
		.... ..1.		FRRSLCL	"X'02" MODE=LOCAL WAS SPEC ON SETFRR
		.... ..1.		FRRSGLB	"X'01" MODE=GLOBAL WAS SPEC ON SETFRR
8	(8)	CHARACTER	24	FRRSPARM	PARAMETER AREA PASSED TO FRR

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	FRRSXENT	,FRRXPTR THE MAPPING OF AN FRR ENTRY EXTENSION
0	(0)	DBL WORD	8		RESERVED
8	(8)	ADDRESS	4	FRREAX	EAX VALUE AT SETFRR
12	(C)	ADDRESS	4	FRRLS	LINKAGE STACK AT SETFRR
16	(10)	CHARACTER	16	FRRSXM (0)	GROSS MEMORY INFORMATION WHEN SETFRR WAS ISSUED
16	(10)	CHARACTER	8	FRRSCR3 (0)	CONTROL REGISTER 3
16	(10)	SIGNED	4	FRRSSINS	SASTE INSTANCE#
20	(14)	CHARACTER	2	FRRSKM	KEY MASK
22	(16)	CHARACTER	2	FRRSSAS	SASID
24	(18)	CHARACTER	8	FRRSCR4 (0)	CONTROL REGISTER 4
24	(18)	SIGNED	4	FRRSPINS	PASTE INSTANCE#
28	(1C)	CHARACTER	2	FRRSAX	AUTHORIZATION INDEX
30	(1E)	CHARACTER	2	FRRSPAS	PASID

FRRS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
FRREAX	8		FRRSFLG4	7	
FRRLS	C		FRRSFRA1	3	
FRRS	0		FRRSFRA1	0	
FRRSAM64	7	10	FRRSFULL	7	8
FRRSASA	40		FRRSGLB	7	1
FRRSAX	1C		FRRSHEAD	0	
FRRSCP1	10		FRRSKM	14	
FRRSCP2	40		FRRSLAST	4	
FRRSCP1P	C		FRRSLCL	7	2
FRRSCR3	10		FRRSLO31	7	20
FRRSCR4	18		FRRSNCNL	7	40
FRRSCURR	C		FRRSND	0	
FRRSELEN	8		FRRSNEST	4	40
FRRSEMP	0		FRRSNGLB	4	10
FRRSENTL	2C		FRRSNLCL	4	20
FRRSENTR	0		FRRSNRTY	4	8
FRRSENTS	58		FRRSPARM	8	
FRRSEUT	7	80	FRRSPAS	1E	
FRRSEXTL	2E		FRRSPINS	18	
FRRSFLGS	4		FRRSPRIM	7	4
FRRSFLG1	4		FRRSRCUR	4	80
FRRSFLG2	5		FRRSRSA	10	
FRRSFLG3	6		FRRSRTMA	38	

FRRS Cross Reference

Name	Hex Offset	Hex Value
FRRSRTMW	28	
FRRSSAS	16	
FRRSSINS	10	
FRRSXENT	0	
FRRSXFLG	3	1
FRRSXM	10	
FRRSXSTA	3C	
FRRSXSTK	0	

FSIP Information

FSIP Programming Interface information

Programming Interface information

FSIP

End of Programming Interface information

FSIP Heading Information • FSIP Map

FSIP Heading Information

Common Name: Common Fixed Length Parameter List

Macro ID: IAZFSIP

DSECT Name: IAZFSIP

Owning Component: JES2 (SC141)

Eye-Catcher ID: None

Storage Attributes: Subpool: 230

Key: 1

Residency: During FSS/FSA Connect processing, virtual storage is anywhere if the FSS supports AMODE 31; otherwise, it is below 16M. During FSS/FSA Disconnect processing, virtual storage is below 16M. Real storage is anywhere. Storage is in the FSS address space during normal FSS/FSA Connect/Disconnect processing. During abnormal FSS/FSA Disconnect processing in job termination, storage is in the User address space.

Size: See FSILEN

Created by: Issuers of FSIREQ

Pointed to by: FSXBFSIP field of the \$FSSXB data area.

FAXBFSIP field of the \$FSAXB data area.

FAXBPOST field of the \$FSAXB data area.

TTEFSIOA field of the \$TTE data area.

Serialization: None required

Function: Input parameter list for FSIREQ functions.

FSIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IAZFSIP	
0	(0)	SIGNED	4	FSIPARM (0)	FSI PARAMETER LIST
0	(0)	SIGNED	4	FSILEN	LENGTH OF CONTIGUOUS FSI PARAMETER LIST
4	(4)	SIGNED	4	FSIFUNC	FUNCTION ID NUMBER
4	(4)	X'1'	0	FSIORDER	"1" ORDER FUNCTION NUMBER
4	(4)	X'2'	0	FSIPOST	"2" POST FUNCTION NUMBER
4	(4)	X'3'	0	FSIGDS	"3" GETDS FUNCTION NUMBER
4	(4)	X'4'	0	FSIGREC	"4" GETREC FUNCTION NUMBER
4	(4)	X'5'	0	FSIFREC	"5" FREEREC FUNCTION NUMBER
4	(4)	X'6'	0	FSIRDS	"6" RELDS FUNCTION NUMBER
4	(4)	X'7'	0	FSICKPT	"7" CHKPT FUNCTION NUMBER
4	(4)	X'8'	0	FSISEND	"8" SEND FUNCTION NUMBER
4	(4)	X'8'	0	FSIMAXFN	"8" MAXIMUM FUNCTION NUMBER
4	(4)	X'FE'	0	FSICON	"254" CONNECT FUNCTION NUMBER
4	(4)	X'FF'	0	FSIDCON	"255" DISCONNECT FUNCTION NUMBER
8	(8)	SIGNED	4	FSIFSID (0)	FSS/FSA IDENTIFIER
8	(8)	SIGNED	2	FSIFSSID	FSS PART OF FSID
10	(A)	SIGNED	2	FSIFSAID	FSA PART OF FSID
12	(C)	SIGNED	4	FSIRESN	REASON CODE FOR FUNCTION FAILURE
16	(10)	ADDRESS	4	FSITEXT	Ptr to user specified data
20	(14)	ADDRESS	4	FSIPEXT	ADDRESS OF EXTENSION AREA
24	(18)	SIGNED	4	FSIFEND (0)	ORG POINT FOR FUNCT DEPENDENT AREAS
24	(18)	X'18'	0	FSIFSIZ	""-FSIPARM" FSI HEADER LENGTH

Comment

CONNECT/DISCONNECT FUNCTION DEPENDENT AREA

End of Comment

24	(18)	X'18'	0	CDFPARAM	"" CONNECT/DISCON FUNC DPNDT AREA
24	(18)	X'35'	0	CDFSSIID	"53" CONNECT/DISCON SSI REQ (SSOBFUNC)
24	(18)	ADDRESS	1	CDFFLGR1	REQUEST FLAG BYTES
		1... ..		CDFNORM	"B'10000000" SPECIFIES NORMAL DISCONNECT
		.1... ..		CDFABNOR	"B'01000000" SPECIFIES ABNORMAL DISCONNECT
25	(19)	ADDRESS	1	CDFFLGR2	FUNCTIONS WHICH INVOLVE OP. INTER. SAME AS ORDIV1 BIT DEFINITIONS
		1... ..		CDFFL2BT	"B'10000000" BTS INTERVENTION
		.1... ..		CDFFL2FL	"B'01000000" FLASH INTERVENTION
		..1... ..		CDFFL2FO	"B'00100000" FORMS INTERVENTION
		...1... ..		CDFFL2CF	"B'00010000" CONTINUOUS FORMS
26	(1A)	ADDRESS	1	CDFTOKEN	RESERVED FOR JES
27	(1B)	ADDRESS	1	CDFFLGR3	FUNCTIONS SUPPORTED BY THE FSS
		1... ..		CDFFL3MS	"B'10000000" EXTENDED MESSAGE ROUTING IS SUPPORTED
		.1... ..		CDFFL331	"B'01000000" AMODE 31 is supported
		..1... ..		CDFFL34D	"B'00100000" 4-Digit Device Numbers

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>-----</p> <p>THE FOLLOWING THREE BITS ARE MUTUALLY EXCLUSIVE OF EACH OTHER. IF NONE IS SPECIFIED, IT IS ASSUMED AS IF CDF3NOIP IS SPECIFIED.</p> <p>-----</p>					
End of Comment					
		...1		CDF3IP	"B'00010000" IP-ADDRESS IS SUPPORTED
		.... 1...		CDF3NOIP	"B'00001000" IP-ADDR NOT SUPPORTED
		.... .1..		CDF3BOTH	"B'00000100" BOTH IP & NON-IP
28	(1C)	ADDRESS	4	CDFSTOR	ADDRESS OF CONTIGUOUS SSOB/SSIB PAIR
		1...		CDFSTORH	"X'80" HIGH ORDER BIT OF STOR FOR SSI
32	(20)	SIGNED	4	CDFFDATA	VALUE RETURNED ON POST AND ORDER
36	(24)	SIGNED	4	CDFIDNO	NUMBER OF ID PAIRS IN CDFIDNA AREA
40	(28)	ADDRESS	4	CDFIDNA	ADDRESS OF THE FSS/FSA ROUTINE IDS AND THEIR RESPECTIVE ADDRESSES
44	(2C)	CHARACTER	4	CDFSSID	NAME OF THE JES TO BE CONNECTED
48	(30)	ADDRESS	4	CDFEXTN	RESERVED POINTER
52	(34)	ADDRESS	1	CDFFLGS1	FUNCTIONS SUPPORTED BY JES
		1...		CDFS1INT	"B'10000000" JES SUPPORTS FSA UNSOLICITED SENDS FOR INTERVENTION CONDITIONS
		.1..		CDFS1ETE	"B'01000000" EXTENDED JES SUPPORT FOR ENVIRONMENTAL TYPE ERRORS
		.1.		CDFS1A31	"B'00100000" JES Supports AMODE 31
		...1		CDFS1ESS	"B'00010000" JES Supports ESS keywords
		.... 1...		CDFS14DG	"B'00001000" JES Supports 4-Digit Device Numbers
		.... .1..		CDFS1DNR	"B'00000100" JES Supports Device Not Responding Conditions
		.... ..1.		CDFS1EXT	"B'00000010" JES supports extended send types
53	(35)	ADDRESS	3		RESERVED
56	(38)	SIGNED	4	(2)	RESERVED
64	(40)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
64	(40)	X'28'	0	CDFSIZ	"*-CDFPARM" CONNECT/DISCONNECT AREA LENGTH
64	(40)	X'40'	0	CDFSIZ1	"CDFSIZ+FSIFSIZ"

Comment

CONNECT IDENTIFIER AND ROUTINE ADDRESS AREA.
 THIS AREA CONSISTS OF PAIRS OF FUNCTION IDS
 CORRESPONDING ROUTINE ADDRESSES. THE ID-ADDRESS
 PAIR CAN BE IN ANY ORDER. THE NUMBER OF PAIRS
 IS SPECIFIED IN CDFIDNO.

End of Comment					
64	(40)	SIGNED	4	CDFPAIRS (0)	ID/ADDRESS PAIRS
64	(40)	SIGNED	4	CDFID	FUNCTION ID OF 1ST ADDRESS
68	(44)	ADDRESS	4	CDFAD	ADDRESS OF 1ST ID
72	(48)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
72	(48)	X'8'	0	CDFIDSZ	"*-CDFID" CDFIDS AREA LENGTH

Comment

CONNECT/DISCONNECT FUNCTION RETURN CODE DEFINITIONS
 NOTE: THESE ARE DEFINED HERE FOR SP 1.3.3 COMPATABILITY,
 REFER TO JES DOCUMENTATION/LISTINGS FOR FURTHER DEFINITIONS

End of Comment					
72	(48)	X'4'	0	CDFIFC	"4" INVALID FUNCTION CODE
72	(48)	X'8'	0	CDFIFSID	"8" INVALID FSS ID
72	(48)	X'C'	0	CDFIFAID	"12" INVALID FSA ID
72	(48)	X'10'	0	CDFIGM	"16" GETMAIN FAILURE
72	(48)	X'14'	0	CDFICN	"20" FSA CONNECT BEFORE FSS CONNECT
72	(48)	X'18'	0	CDFICNFA	"24" FSA NOT/ALREADY CONNECTED
72	(48)	X'1C'	0	CDFICNFS	"28" FSS NOT/ALREADY CONNECTED
72	(48)	X'20'	0	CDFIFREE	"32" FREEMAIN FAILURE
72	(48)	X'24'	0	CDFILOAD	"36" LOAD ERROR

FSIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
STANDARD BASE SECTION OF ORDER FUNCTION DEPENDENT AREA					
End of Comment					
24	(18)	X'18'	0	ORDPARM	*** ORDER FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	1	ORDFLGS1	STATUS FLAG BYTE
		1...		ORDSRESP	"B'10000000" RESPONSE IS ORDRSPAD NOW
		.1..		ORDARESP	"B'01000000" RESPONSE WILL RETURN LATER
25	(19)	ADDRESS	3		RESERVED
28	(1C)	ADDRESS	4	ORDFDATA	RETURNED DATA SPECIFIED ON CONNECT
32	(20)	ADDRESS	4	ORDRSPAD	RESPONSE AREA ADDRESS
36	(24)	SIGNED	2	ORDID	HOLDS THE ORDER NUMBER (ID)
36	(24)	X'4'	0	ORDSPFSS	"4" STOP FSS ORDER ID
36	(24)	X'8'	0	ORDSTFSA	"8" START FSA ORDER ID
36	(24)	X'C'	0	ORDSPFSA	"12" STOP FSA ORDER ID
36	(24)	X'10'	0	ORDSTDEV	"16" START DEVICE ORDER ID
36	(24)	X'14'	0	ORDSPDEV	"20" STOP DEVICE ORDER ID
36	(24)	X'18'	0	ORDQUERY	"24" QUERY ORDER ID
36	(24)	X'1C'	0	ORDSET	"28" SET ORDER ID
36	(24)	X'20'	0	ORDSYNC	"32" SYNC ORDER ID
36	(24)	X'24'	0	ORDINTV	"36" INTERVENTION ORDER ID
38	(26)	SIGNED	2		RESERVED
40	(28)	SIGNED	4		RESERVED
44	(2C)	SIGNED	4	ORDBEND (0)	ORG POINT FOR ORDDATA
44	(2C)	X'14'	0	ORDBSIZ	**-ORDPARM" ORDER AREA LENGTH
44	(2C)	X'2C'	0	ORDBSIZ1	"ORDBSIZ+FSIFSIZ"
Comment					
ORDER DATA ASSOCIATED WITH 'START/STOP DEVICE/FSA/FSS' ORDER					
End of Comment					
44	(2C)	X'2C'	0	ORDSS	*** DATA FOR START/STOP ORDERS
44	(2C)	ADDRESS	4	ORDSSSP	POINTER TO START/STOP PARMS
48	(30)	ADDRESS	1	ORDSSF1	FLAG BYTE (REQUEST TYPE)
		1...		ORDSSNO	"B'10000000" NORMAL TERMINATION REQUESTED
		.1..		ORDSSAB	"B'01000000" ABNORMAL TERMINATION REQUESTED
		.... 1...		ORDSSDU	"B'00001000" DUMP REQUESTED ON STOP
49	(31)	ADDRESS	1		RESERVED
50	(32)	SIGNED	2	ORDSSMX	MAX NUMBER OF FSAS PER FSS
52	(34)	SIGNED	4	ORDSSID (0)	FSA IDENTIFIER TO START/STOP
52	(34)	SIGNED	2	ORDSSSI	FSS PART OF THE ID
54	(36)	SIGNED	2	ORDSSAI	FSA PART OF THE ID
56	(38)	CHARACTER	4	ORDSSAD4	Dev Addr in 4-digit format
56	(38)	X'38'	0	ORDSSAD	"ORDSSAD4,3" Dev Addr in 3-digit format
60	(3C)	CHARACTER	8	ORDSSNA	DEV NAME IN PRINTABLE FORM
68	(44)	ADDRESS	4	ORDSSXT	RESERVED POINTER
72	(48)	ADDRESS	4	ORDSSSP2	POINTER TO MESSAGE ROUTING AREA FOR FSA RELATED MESSAGES.
76	(4C)	SIGNED	4	(2)	RESERVED
84	(54)	SIGNED	4	ORDSSSEND (0)	START/STOP MAIN PARM LIST END
84	(54)	X'28'	0	ORDSSSZ	**-ORDSS" VARIABLE ORDER DATA SIZE
84	(54)	X'54'	0	ORDSSSZ1	"ORDSSSZ+ORDBSIZ+FSIFSIZ" SIZE OF ST/STOP PARMS
Comment					
DEVICE INITIALIZATION PARMS ASSOCIATED WITH START FSA					
THE DEVICE INITIALIZATION PARMS SHOULD NOT BE ASSUMED TO BE CONTIGUOUS WITH THE CONTIGUOUS HEADER, BASE, AND ORDER DEPENDENT SECTIONS OF THE START FSA ORDER PARAMETER LIST. FOR THIS REASON, WHEN ACCESSING THIS AREA THE FIELD ORDSSSP SHOULD BE USED TO OBTAIN ITS LOCATION THE LENGTH OF THIS AREA IS NOT INCLUDED IN FSILEN					
End of Comment					
84	(54)	X'54'	0	ORDSSP1	*** INIT PARMS AREA FOR START FSA
84	(54)	ADDRESS	1	ORDSSPF1	FLAG BYTE 1 (INITIAL SETTINGS)
		1...		ORDSSS1	"B'10000000" INITIALIZE SINGLE SPACING
		.1..		ORDSSS2	"B'01000000" INITIALIZE DOUBLE SPACING
		..1.		ORDSSS3	"B'00100000" INITIALIZE TRIPLE SPACING
		...1		ORDSSSR	"B'00010000" INIT. DS SPECIFIED SPACING

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
85	(55)	ADDRESS 1... .... .1. .... .1.	1	ORDSSPF2 ORDSSKP ORDSSKT ORDSSKN	FLAG BYTE 2 (INITIAL SETTINGS) "B'10000000" INITIALIZE PAGE CKPT INTV "B'01000000" INITIALIZE TIME CKPT INTV "B'00100000" INITIALIZE CKPT DISABLED
86	(56)	ADDRESS 1... .... .1.	1	ORDSSPF3 ORDSSDN ORDSSIN	FLAG BYTE 3 (INITIAL SETTINGS) "B'10000000" INIT. NPRO TIMER DISABLED "B'01000000" INIT. NPRO TIMER VALUE
87	(57)	ADDRESS	1		RESERVED
88	(58)	SIGNED	4	ORDSSKI	INITIAL CHECKPOINT INTERVAL
92	(5C)	SIGNED	4	ORDSSNI	INITIAL NPRO TIME INTERVAL
96	(60)	SIGNED	4	ORDSSND1 (0)	DEVICE INIT PARMS END
96	(60)	X'C'	0	ORDSSPZ	"*-ORDSSP1" SIZE OF SUB-PARM AREA
96	(60)	X'60'	0	ORDSSPZ1	"ORDSSPZ+ORDSSSZ1" SIZE OF START FSA + SUB-PARAMETERS

Comment

MESSAGE ROUTING INFORMATION FOR FSA RELATED MESSAGES
THE MESSAGE ROUTING AREA SHOULD NOT BE ASSUMED
TO BE CONTIGUOUS WITH THE START FSA PARAMETER
LIST OR DEVICE INITIALIZATION PARMS. FOR THIS
REASON, WHEN ACCESSING THIS AREA THE FIELD
ORDSSSP2 SHOULD BE USED TO OBTAIN ITS LOCATION
THE LENGTH OF THIS AREA IS NOT INCLUDED IN FSILEN

End of Comment

96	(60)	X'60'	0	ORDSS2	*** MESSAGE PARMS AREA FOR START FSA
96	(60)	SIGNED	2	ORDSS2LN	LENGTH OF THIS AREA
98	(62)	BITSTRING 1...	1	ORDSS2FL ORDSS2CS	MESSAGE ROUTING FLAG "B'10000000" CONSOLE ID SPECIFIED
99	(63)	BITSTRING	1		RESERVED
100	(64)	CHARACTER	16	ORDSS2RC	MCS ROUTING CODE MASK FOR FSA RELATED MESSAGES
116	(74)	SIGNED	4	ORDSS2CN	CONSOLE ID IN WTO FORMAT FOR FSA RELATED MESSAGES
120	(78)	SIGNED	4	(3)	RESERVED
132	(84)	SIGNED	4	ORDSSND2 (0)	END OF SECTION
132	(84)	X'24'	0	ORDSS2PZ	"*-ORDSS2" SIZE OF SUB-PARM AREA
132	(84)	X'84'	0	ORDSS2Z2	"ORDSS2PZ+ORDSSPZ1" SIZE OF START FSA + DEV. INIT + MESSAGE ROUTING PARMS

Comment

ORDER DATA ASSOCIATED WITH THE 'SET' ORDER

End of Comment

44	(2C)	X'2C'	0	ORDST	*** DATA FOR SET ORDER
44	(2C)	ADDRESS 1... .... .1.	1	ORDSTR1 ORDSTSN ORDSTDN	REQUEST FLAG BYTE "B'10000000" SET NPRO INTERVAL "B'01000000" DISABLE NPRO TIMER
45	(2D)	ADDRESS	3		RESERVED
48	(30)	SIGNED	4	ORDSTNI	NPRO INTERVAL (IN SECONDS)
52	(34)	ADDRESS	4	ORDSTXT	RESERVED POINTER
56	(38)	SIGNED	4	(3)	RESERVED
68	(44)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
68	(44)	X'18'	0	ORDSTSZ	"*-ORDST" VARIABLE ORDER DATA SIZE
68	(44)	X'18'	0	ORDTSZ	"ORDSTSZ" SET ORDER SIZE (FOR SP 1.3.3)
68	(44)	X'44'	0	ORDSTSZ1	"ORDSTSZ+ORDBSIZ+FSIFSIZ"

Comment

ORDER DATA ASSOCIATED WITH THE 'SYNCH' ORDER

End of Comment

44	(2C)	X'2C'	0	ORDSY	*** DATA FOR SYNCH ORDER
44	(2C)	ADDRESS 1... .... .1. .... ..1. .... ...1 1... .... .1..	1	ORDSYR1 ORDSYBCP ORDSYFCP ORDSYBTM ORDSYETM ORDSYBDS ORDSYEDS	REQUEST FLAG BYTE (SYNCH ACTION) (IF ZERO, SYNCH TO OOP) "B'10000000" SYNCH TO PREVIOUS CKPT. "B'01000000" SYNCH TO NEXT CHECKPOINT "B'00100000" SYNCH TO TO BEGINNING OF CURRENT TRANSMISSION "B'00010000" SYNCH TO END OF CURRENT TRANSMISSION "B'00001000" SYNCH TO BEGINNING OF DS "B'00000100" SYNCH TO END OF DATA SET
45	(2D)	ADDRESS 1... .... .1. .... ..1.	1	ORDSYR2 ORDSYRI ORDSYRD ORDSYNR	REQUEST FLAG BYTE (REPOSITION) "B'10000000" INCREMENT PAGE POSITION "B'01000000" DECREMENT PAGE POSITION "B'00100000" DO NOT REPOSITION PAST END OF DATA SET AT OOP

FSIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
46	(2E)	ADDRESS	1	ORDSYR3	REQUEST FLAG BYTE (UPDATE) (DEVICE RELATED ITEMS)
		1... ..		ORDSYS1	"B'10000000" SET SINGLE SPACE
		.1.		ORDSYS2	"B'01000000" SET DOUBLE SAPCE
		.1.		ORDSYS3	"B'00100000" SET TRIPLE SPACE
		...1		ORDSYSR	"B'00010000" USE DS SPECIFIED SPACING
		.... 1...		ORDSYK	"B'00001000" PAGE INTERVAL CKPTS
		.... .1..		ORDSYKT	"B'00000100" TIME INTERVAL CKPTS
		.... .1..		ORDSYKN	"B'00000010" DISABLE CHECKPOINTING
		.... ...1		ORDSYRL	"B'00000001" RELOAD RESOURCES FOR THE DATA SET AT OOP
47	(2F)	ADDRESS	1	ORDSYR4	REQUEST FLAG BYTE (UPDATE) (DATA SET RELATED ITEMS)
		1... ..		ORDSYCI	"B'10000000" INCREMENT COPY COUNT
		.1.		ORDSYCD	"B'01000000" DECREMENT COPY COUNT
		.1.		ORDSYCR	"B'00100000" REPLACE COPY COUNT
48	(30)	ADDRESS	1	ORDSYR5	REQUEST FLAG BYTE (INTERRUPT)
		1... ..		ORDSYDC	"B'10000000" DS AT OOP IS COMPLETE
		.1.		ORDSYDI	"B'01000000" DS AT OOP IS INCOMPLETE
		.1.		ORDSYVA	"B'00100000" CHKPT FOR OOP DS IS VALID
		...1		ORDSYNV	"B'00010000" CHKPT FOR OOP DS IS INVALID
49	(31)	ADDRESS	1	ORDSYR6	REQUEST FLAG BYTE (MISC.)
		1... ..		ORDSYMV	"B'10000000" PRINT ORDSYMSG ON THE OUTPUT OF THE DATA SET BEING SYNCED
		.1.		ORDSYDS	"B'01000000" REJECT SYNCH IF DATA SET NOT ACTIVE AT OOP
		.1.		ORDSYSP	"B'00100000" JOB TRAILER PAGE IS REQUIRED FOR THE DD AT OOP
		...1		ORD6EOG	"B'00010000" End of Output Group
		.... 1...		ORD6CLP	"B'00001000" Clear the pipeline
50	(32)	ADDRESS	1		RESERVED STATUS FLAG BYTE
51	(33)	ADDRESS	1		RESERVED
52	(34)	SIGNED	4	ORDSYNP	NO. OF PAGES TO REPOSITION
56	(38)	SIGNED	4	ORDSYKI	CHECKPOINT INTERVAL (SEC OR PG)
60	(3C)	SIGNED	2	ORDSYCP	COPY COUNT VALUE
62	(3E)	BITSTRING	2		RESERVED
64	(40)	ADDRESS	4	ORDSYSMX	PTR TO SET ORDER PARM LIST (LENGTH OF SET ORDER NOT INCLUDED IN FSILEN)
68	(44)	ADDRESS	4	ORDSYXTN	RESERVED POINTER
72	(48)	SIGNED	4	(3)	RESERVED
84	(54)	CHARACTER	120	ORDSYMSG	MESSAGE TEXT TO BE PRESENTED ON USERS OUTPUT
204	(CC)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
204	(CC)	X'AO'	0	ORDSYSZ	"*-ORDSY" VARIABLE ORDER DATA SIZE
204	(CC)	X'CC'	0	ORDSYSZ1	"ORDSYSZ+ORDBSIZ+FSIFSIZ"

Comment

ORDER DATA ASSOCIATED WITH 'INTERVENTION' ORDER

End of Comment

44	(2C)	X'2C'	0	ORDIV	"" INTERVENTION ORDER
44	(2C)	ADDRESS	1	ORDIVF1	FLAG BYTE 1 - INTERVENTION TYPE
		1... ..		ORDIVRBT	"B'10000000" BTS INTERVENTION REQUEST
		.1.		ORDIVRFL	"B'01000000" FLASH INTERVENTION REQUEST
		.1.		ORDIVRFO	"B'00100000" FORMS INTERVENTION REQUEST
		...1		ORDIVRCF	"B'00010000" CONT. FORMS INTRVNTN REQST
45	(2D)	ADDRESS	1	ORDIVF2	FLAG BYTE 2 - UPDATE TYPE
		1... ..		ORDIVUBT	"B'10000000" BTS TOKEN UPDATE REQUEST
		.1.		ORDIVUFL	"B'01000000" FLASH TOKEN UPDATE REQUEST
		.1.		ORDIVUFO	"B'00100000" FORMS TOKEN UPDATE REQUEST
		...1		ORDIVUCF	"B'00010000" CONT. FORMS UPDATE REQUEST
46	(2E)	ADDRESS	2		RESERVED
48	(30)	CHARACTER	8	ORDIVBTT	TOKEN FOR BTS INTERVENTION
56	(38)	CHARACTER	8	ORDIVFLT	TOKEN FOR FLASH INTERVENTION
64	(40)	CHARACTER	8	ORDIVFOT	TOKEN FOR FORMS INTERVENTION
72	(48)	CHARACTER	8	ORDIVCFT	TOKEN FOR CFS INTERVENTION
80	(50)	ADDRESS	4	ORDIVXTN	RESERVED POINTER
84	(54)	SIGNED	4	(3)	RESERVED
96	(60)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
96	(60)	X'34'	0	ORDIVSZ	"*-ORDIV" VARIABLE ORDER DATA SIZE
96	(60)	X'60'	0	ORDIVSZ1	"ORDIVSZ+ORDBSIZ+FSIFSIZ"

Comment

GETDS FUNCTION DEPENDENT AREA

End of Comment

24	(18)	X'18'	0	GDSPARM	"" GETDS FUNCTION DEPENDENT AREA
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	ADDRESS	1	GDSFLGR1	REQUEST FLAG BYTE 1
		1... ..		GDSJHDR	"B'10000000" JOB HEADER PAGE REQUIRED
		.1... ..		GDSJTRL	"B'01000000" JOB TRAILER PAGE REQUIRED
		.1... ..		GDSHDR	"B'00100000" DATA SET HEADER PAGE REQUIRED
		...1		GDSHTDS	"B'00010000" DATA SET RTND TO BE ON SAME PAGE AS JOB HEADER OR TRAILER PAGE
		.... 1..		GDSFRMRK	"B'00001000" FORMS MARK REQUIRED
		.... .1..		GDSCMC	"B'00000100" COPY MARK TO BE CHNGED ON DS
		.... ..1.		GDSCMCPY	"B'00000010" COPY MARK TO BE CHNGED ON COPIES
		.... ...1		GDSTRKDS	"B'00000001" TRACK DATA SET AND ISSUE SEND WHEN DATA SET REACHES OOP
		25	(19)	ADDRESS	1	GDSFLGR2	REQUEST FLAG BYTE 2
1... ..				GDSJHSWB	"B'10000000" USE SWBS DEFINED FOR JOB HEADER PAGE
.1... ..				GDSJTSWB	"B'01000000" USE SWBS DEFINED FOR JOB TRAILER PAGE
.1... ..				GDS2EOG	"B'00100000" End of Output Group
...1				GDS2CMNO	"B'00010000" COPY MARK to be supressed
26	(1A)	ADDRESS	1	GDSFLGS1	STATUS FLAG BYTE
		1... ..		GDSCKP	"B'10000000" CHECKPOINT AREA FILLED IN
		.1... ..		GDSALLOC	"B'01000000" DATA SET ALLOCATED ID IN GDSID
		.1... ..		GDSJNEWS	"B'00100000" DATA SET IS JESNEWS
		.... 1..		GDSNALLC	"B'00001000" DATA SET NOT ALLOCATED
		.... .1..		GDSRSTCT	"B'00000100" PAGE/REC COUNTS TO BE RESET
		.... ..1.		GDSSJERR	"B'00000010" ERROR IN SJF PROCESSING
					STATUS FLAG BYTE RESERVED
					LENGTH OF CHKPT AREA SUPPLIED
					POINTER TO CHECKPOINT AREA
27	(1B)	ADDRESS	1		STATUS FLAG BYTE RESERVED
28	(1C)	SIGNED	4	GDSCKPL	LENGTH OF CHKPT AREA SUPPLIED
32	(20)	ADDRESS	4	GDSCKPA	POINTER TO CHECKPOINT AREA
36	(24)	ADDRESS	4	GDSJSPA	POINTER TO JSPA
40	(28)	BITSTRING	8	GDSDDTK (0)	DD SWB TOKEN
40	(28)	ADDRESS	4	GDSDDRS	SWB- RESERVED
44	(2C)	ADDRESS	4	GDSDDPT	SWB- PTR TO ADDR OF SWB CHAIN
48	(30)	BITSTRING	8	GDSOUTK (0)	OUTPUT SWB TOKEN
48	(30)	ADDRESS	4	GDSOUTRS	SWB- RESERVED
52	(34)	ADDRESS	4	GDSOUTPT	SWB- PTR TO ADDR OF SWB CHAIN
56	(38)	CHARACTER	8	GDSJDVTN	JDVT NAME USED AT CREATION
64	(40)	CHARACTER	12	GDSDSID	DATA SET IDENTIFIER
76	(4C)	ADDRESS	4	GDSEXTN	RESERVED POINTER
80	(50)	BITSTRING	1	GDSRECFM	Data set record format
81	(51)	BITSTRING	2	GDSMRECL	Maximum ds record length
83	(53)	BITSTRING	1		Reserved for future use
84	(54)	ADDRESS	4	GDSDSRE	Address of data set token (0 for JESNEWS - GDSJNEWS)
88	(58)	SIGNED	4		RESERVED
92	(5C)	CHARACTER	80	GDSSJMSG	MSG TEXT FOR SJF ERROR
172	(AC)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
172	(AC)	X'94'	0	GDSSIZ	"*-GDSPARM" GETDS AREA LENGTH
172	(AC)	X'AC'	0	GDSSIZ1	"GDSSIZ+FSIFSIZ"

Comment

GETREC FUNCTION DEPENDENT AREA

End of Comment

24	(18)	X'18'	0	GLRPARM	*** GETREC FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	1	GLRFLGR1	REQUEST FLAG BYTE
		1... ..		GLRREC1	"B'10000000" REQUEST FIRST REC IN DS
		.1... ..		GLRREC1	"B'01000000" REQUEST NEXT SEQUENTIAL REC
		.1... ..		GLRRECS	"B'00100000" REQUEST SPECIFIED REC
25	(19)	ADDRESS	1		REQUEST FLAG BYTE RESERVED
26	(1A)	ADDRESS	1	GLRFLGS1	STATUS FLAG BYTE
		1... ..		GLREOF	"B'10000000" END OF FILE INDICATOR
		.1... ..		GLRNBA	"B'01000000" NO BUFFERS AVAILABLE
		.1... ..		GLRIPL	"B'00100000" INVALID PARAMETER LIST
		...1		GLRIOE	"B'00010000" I/O ERROR ENCOUNTERED
		.... 1..		GLRLGE	"B'00001000" LOGIC ERROR OR ABEND OCCURD
		.... ..1.		GLRNOI	"B'00000100" NO INDEX RETURNED
27	(1B)	ADDRESS	1		STATUS FLAG BYTE RESERVED
28	(1C)	ADDRESS	4	GLRINDX	POINTER TO RETURNED INDEX
32	(20)	BITSTRING	8	GLRECID	SPOOL RECORD ID (SEE IDXRECID)
40	(28)	CHARACTER	12	GLRDSID	DS IDENTIFIER
52	(34)	ADDRESS	4	GLREXTN	RESERVED POINTER
56	(38)	SIGNED	4	(3)	RESERVED
68	(44)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
68	(44)	X'2C'	0	GLRSIZ	"*-GLRPARM" GETREC AREA LENGTH
68	(44)	X'44'	0	GLRSIZ1	"GLRSIZ+FSIFSIZ"

FSIP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
FREEREC FUNCTION DEPENDENT AREA					
					End of Comment
24	(18)	X'18'	0	FLRPARM	*** FREEREC FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	4	FLRINDX	POINTER TO INDEX TO BE FREED
28	(1C)	CHARACTER	12	FLRDSID	DS IDENTIFIER
40	(28)	ADDRESS	4	FLREXTN	RESERVED POINTER
44	(2C)	SIGNED	4	(3)	RESERVED
56	(38)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
56	(38)	X'20'	0	FLRSIZ	**-.FLRPARM" FREEREC AREA LENGTH
56	(38)	X'38'	0	FLRSIZ1	"FLRSIZ+FSIFSIZ"
					Comment
RELDs FUNCTION DEPENDENT AREA					
					End of Comment
24	(18)	X'18'	0	RDSPARM	*** RELDS FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	1	RDSFLGS1	DATA SET STATUS FLAG BYTE
		1...		RSDONE	"B'10000000" DS COMPLETELY PROCESSED
		.1.		RDSINC	"B'01000000" DS NOT COMPLETELY PROCESSED
		.1.		RDCKPI	"B'00100000" DS CHKPT INVALID
		...1		RDSUNPR	"B'00010000" DS UNPRINTABLE
24	(18)	X'18'	0	RDSSTAT	"RDSFLGS1" Alternate name for RDSFLGS1
25	(19)	ADDRESS	3		RESERVED
28	(1C)	CHARACTER	12	RDSDSID	DATA SET IDENTIFIER
40	(28)	ADDRESS	4	RDSEXTN	RESERVED POINTER
44	(2C)	CHARACTER	8	RDSMIDSE	MESSAGE ID INDICATING DATASET ERROR
52	(34)	SIGNED	4		RESERVED
56	(38)	SIGNED	4	(0)	
56	(38)	X'20'	0	RDSSIZ	**-.RDSPARM" RELDS AREA LENGTH
56	(38)	X'38'	0	RDSSIZ1	"RDSSIZ+FSIFSIZ"
					Comment
CHKPT FUNCTION DEPENDENT AREA					
					End of Comment
24	(18)	X'18'	0	CHKPARM	*** CHKPT FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	4	CHKADR	POINTER TO CHKPT BUFFER
28	(1C)	ADDRESS	1	CHKFLGR1	REQUEST FLAG BYTE
		1...		CHKFCWRT	"B'10000000" FORCE A WRITE OF THE CHK REC
29	(1D)	ADDRESS	1		RESERVED
30	(1E)	ADDRESS	1	CHKFLGS1	STATUS FLAG BYTE
		1...		CHKFCERR	"B'10000000" PERMANENT ERROR ATTEMPTING CHECK- POINT WRITE, REQUEST IGNORED
31	(1F)	ADDRESS	1		RESERVED
32	(20)	CHARACTER	12	CHKDSID	DS IDENTIFIER
44	(2C)	ADDRESS	4	CHKEXTN	RESERVED POINTER
48	(30)	SIGNED	4	(3)	RESERVED
60	(3C)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
60	(3C)	X'24'	0	CHKSIZ	**-.CHKPARM" CHKPT AREA LENGTH
60	(3C)	X'3C'	0	CHKSIZ1	"CHKSIZ+FSIFSIZ"
					Comment
POST FUNCTION DEPENDENT AREA					
					End of Comment
24	(18)	X'18'	0	POSTPARM	*** POST FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	1	POSTFLS1	STATUS FLAG BYTE
		1...		POSTGDS	"B'10000000" GETDS REQUEST SATISFIED
25	(19)	ADDRESS	3		RESERVED
28	(1C)	SIGNED	4	POSFDATA	RETURNED CONNECT DATA
32	(20)	SIGNED	4		RESERVED
32	(20)	X'C'	0	POSTSIZ	**-.POSTPARM" POST AREA LENGTH
32	(20)	X'24'	0	POSTSIZ1	"POSTSIZ+FSIFSIZ"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
SEND FUNCTION DEPENDENT AREA					
End of Comment					
24	(18)	X'18'	0	SNDPARM	*** SEND FUNCTION DEPENDENT AREA
24	(18)	ADDRESS	1	SNDTYPE	SEND FLAG BYTE
		1...		SNDTYRSP	"B'10000000" RESPONSE TO AN ORDER
		.1.		SNDTYTDS	"B'01000000" SEND REQUESTED VIA GDSFLGR1 INDICATING DS REACHED OOP
		..1.		SNDTYFIT	"B'00100000" REQUEST FOR FSA TERM
		...1		SNDTYINT	"B'00010000" UNSOLICITED DEVICE INTERVENTION DETECTED FROM THE FSA
		.... 1...		SNDTYICL	"B'00001000" UNSOLICITED DEVICE INTERVENTION CLEARED FROM THE FSA
		.... .1..		SNDTYDNR	"B'00000100" Unsolicited device not Responding RECVD From the FSA
		.... ..1.		SNDTYDCL	"B'00000010" Unsolicited device not Responding CLEARED From the FSA
		.... ...1		SNDTYEXT	"B'00000001" Extended send type specified
25	(19)	BITSTRING	1	SNDTP2	Extended send type
25	(19)	X'1'	0	SNDE58OK	"1" Unsolicited request to issue an EOD-OK ENF58 signal
25	(19)	X'2'	0	SNDE58ER	"2" Unsolicited request to issue an EOD-Error ENF58 signal
26	(1A)	BITSTRING	2		Reserved
28	(1C)	ADDRESS	4	SNDSPTR	RESPONSE AREA POINTER FOR UNSOLICITED SEND REQUESTS
32	(20)	SIGNED	4		RESERVED
36	(24)	SIGNED	4	(0)	BOUNDARY ALIGNMNET
36	(24)	X'C'	0	SNDSIZ	**-SNDPARM" SEND AREA LENGTH
36	(24)	X'24'	0	SNDSIZ1	"SNDSIZ+FSIFSIZ"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FSIUDATA	User defined trace data.
0	(0)	SIGNED	4	FSIUDLEN	Length of user data area, this includes the length word and the routine name as well as the user trace data in FSIUDTXT. Must be 2K or less.
4	(4)	CHARACTER	8	FSIUDNAM	Routine name generating the FSIREQ.
12	(C)	CHARACTER	1	FSIUDTXT (0)	User specified data that is to be placed in the GTF trace when GTF tracing is turned on.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FSIED	
0	(0)	SIGNED	2	FSIEXNUM	NUMBER OF EXTENSIONS
2	(2)	SIGNED	2	FSIEXLEN	LENGTH OF ALL EXTENSIONS
4	(4)	CHARACTER	4	FSIEHID	EXTENSION HEADER ID
8	(8)	SIGNED	4		RESERVED
12	(C)	SIGNED	4		RESERVED
16	(10)	SIGNED	4		RESERVED
20	(14)	SIGNED	4		RESERVED
24	(18)	SIGNED	4	FSIEXEND (0)	END OF DEFINITION AREA
24	(18)	X'18'	0	FSIEDSZE	**-FSIEXNUM" SIZE OF DEFINITION AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FSIEA	
0	(0)	SIGNED	2	FSIEGLEN	EXTENSION AREA LENGTH
2	(2)	SIGNED	2	FSIEGVSN	VERSION NUMBER FIELD
4	(4)	SIGNED	4	FSIEGFID	EXTENSION ID IDENTIFYING GETDS
8	(8)	CHARACTER	80	FSIEGUTK	USER TOKEN
88	(58)	CHARACTER	80	FSIEGRTK	RESOURCE TOKEN
168	(A8)	CHARACTER	20	FSIEGOGT	OUTPUT GROUP TOKEN
168	(A8)	X'BC'	0	FSIEASZE	**-FSIEGLEN" SIZE OF GETDS EXT. AREA
168	(A8)	X'2'	0	FSIEGVNM	"2" CURRENT VERSION NUMBER

FSIP Cross Reference

FSIP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CDFABNOR	18	40	FSIEGLEN	0	
CDFAD	44		FSIEGOGT	A8	
CDFEXTN	30		FSIEGRTK	58	
CDFFDATA	20		FSIEGUTK	8	
CDFFLGR1	18		FSIEGVNM	A8	2
CDFFLGR2	19		FSIEGVSX	2	
CDFFLGR3	1B		FSIEHID	4	
CDFFLGS1	34		FSIEXEND	18	
CDFFL2BT	19	80	FSIEXLEN	2	
CDFFL2CF	19	10	FSIEXNUM	0	
CDFFL2FL	19	40	FSIFEND	18	
CDFFL2FO	19	20	FSIFREC	4	5
CDFFL3MS	1B	80	FSIFSAID	A	
CDFFL331	1B	40	FSIFSID	8	
CDFFL34D	1B	20	FSIFSIZ	18	18
CDFICN	48	14	FSIFSSID	8	
CDFICNFA	48	18	FSIFUNC	4	
CDFICNFS	48	1C	FSIGDS	4	3
CDFID	40		FSIGREC	4	4
CDFIDNA	28		FSILEN	0	
CDFIDNO	24		FSIMAXFN	4	8
CDFIDSZ	48	8	FSIORDER	4	1
CDFIFAID	48	C	FSIPARM	0	
CDFIFC	48	4	FSIPEXT	14	
CDFIFREE	48	20	FSIPOST	4	2
CDFIFSID	48	8	FSIRDS	4	6
CDFIGM	48	10	FSIRESN	C	
CDFILOAD	48	24	FSISEND	4	8
CDFNORM	18	80	FSITEXT	10	
CDFPAIRS	40		FSIUATA	0	
CDFPARM	18	18	FSIUDLEN	0	
CDFSIZ	40	28	FSIUDNAM	4	
CDFSIZ1	40	40	FSIUDTXT	C	
CDFSSID	2C		GDSALLOC	1A	40
CDFSSIID	18	35	GDSCKP	1A	80
CDFSTOR	1C		GDSCKPA	20	
CDFSTORH	1C	80	GDSCKPL	1C	
CDFS1A31	34	20	GDSCKMC	18	4
CDFS1DNR	34	4	GDSCKMCPY	18	2
CDFS1ESS	34	10	GDSDDPT	2C	
CDFS1ETE	34	40	GDSDDRS	28	
CDFS1EXT	34	2	GDSDDTK	28	
CDFS1INT	34	80	GDSDSID	40	
CDFS14DG	34	8	GDSDSRE	54	
CDFTOKEN	1A		GDSEXTN	4C	
CDF3BOTH	1B	4	GDSFLGR1	18	
CDF3IP	1B	10	GDSFLGR2	19	
CDF3NOIP	1B	8	GDSFLGS1	1A	
CHKADR	18		GDSFRMRK	18	8
CHKDSID	20		GDSHDR	18	20
CHKEXTN	2C		GDSHTDS	18	10
CHKFCERR	1E	80	GDSJDVTN	38	
CHKFCWRT	1C	80	GDSJHDR	18	80
CHKFLGR1	1C		GDSJHSWB	19	80
CHKFLGS1	1E		GDSJNEWS	1A	20
CHKPARM	18	18	GDSJSPA	24	
CHKSIZ	3C	24	GDSJTRL	18	40
CHKSIZ1	3C	3C	GDSJTSWB	19	40
FLRDSID	1C		GDSMRECL	51	
FLREXTN	28		GDSNALLC	1A	8
FLRINDX	18		GDSOUTK	30	
FLRPARM	18	18	GDSOUTPT	34	
FLRSIZ	38	20	GDSOUTRS	30	
FLRSIZ1	38	38	GDSPARM	18	18
FSICKPT	4	7	GDSRECFM	50	
FSICON	4	FE	GDSRSTCT	1A	4
FSIDCON	4	FF	GDSSIZ	AC	94
FSIEA	0		GDSSIZ1	AC	AC
FSIEASZE	A8	BC	GDSSJERR	1A	2
FSIED	0		GDSSJMSG	5C	
FSIEDSZE	18	18	GDSTRKDS	18	1
FSIEGFID	4		GDS2CMNO	19	10

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GDS2EOG	19	20	ORDSSNO	30	80
GLRDSID	28		ORDSSPF1	54	
GLRECID	20		ORDSSPF2	55	
GLREOF	1A	80	ORDSSPF3	56	
GLREXTN	34		ORDSSPZ	60	C
GLRFLGR1	18		ORDSSPZ1	60	60
GLRFLGS1	1A		ORDSSP1	54	54
GLRINDX	1C		ORDSSSI	34	
GLRIOE	1A	10	ORDSSSP	2C	
GLRIPL	1A	20	ORDSSSP2	48	
GLRLGE	1A	8	ORDSSSR	54	10
GLRNBA	1A	40	ORDSSSZ	54	28
GLRNOI	1A	4	ORDSSSZ1	54	54
GLRPARM	18	18	ORDSSS1	54	80
GLRREC	18	40	ORDSSS2	54	40
GLRRECS	18	20	ORDSSS3	54	20
GLRREC1	18	80	ORDSSXT	44	
GLRSIZ	44	2C	ORDSS2	60	60
GLRSIZ1	44	44	ORDSS2CN	74	
IAZFSIP	0		ORDSS2CS	62	80
ORDARESP	18	40	ORDSS2FL	62	
ORDBEND	2C		ORDSS2LN	60	
ORDBSIZ	2C	14	ORDSS2PZ	84	24
ORDBSIZ1	2C	2C	ORDSS2RC	64	
ORDFDATA	1C		ORDSS2Z2	84	84
ORDFLGS1	18		ORDST	2C	2C
ORDID	24		ORDSTDEV	24	10
ORDINTV	24	24	ORDSTDN	2C	40
ORDIV	2C	2C	ORDSTFSA	24	8
ORDIVBTT	30		ORDSTNI	30	
ORDIVCFT	48		ORDSTR1	2C	
ORDIVFLT	38		ORDSTSN	2C	80
ORDIVFOT	40		ORDSTSZ	44	18
ORDIVF1	2C		ORDSTSZ1	44	44
ORDIVF2	2D		ORDSTXT	34	
ORDIVRBT	2C	80	ORDSY	2C	2C
ORDIVRCF	2C	10	ORDSYBCP	2C	80
ORDIVRFL	2C	40	ORDSYBDS	2C	8
ORDIVRFO	2C	20	ORDSYBTM	2C	20
ORDIVSZ	60	34	ORDSYCD	2F	40
ORDIVSZ1	60	60	ORDSYCI	2F	80
ORDIVUBT	2D	80	ORDSYCP	3C	
ORDIVUCF	2D	10	ORDSYCR	2F	20
ORDIVUFL	2D	40	ORDSYDC	30	80
ORDIVUFO	2D	20	ORDSYDI	30	40
ORDIVXTN	50		ORDSYDS	31	40
ORDPARM	18	18	ORDSYEDS	2C	4
ORDQUERY	24	18	ORDSYETM	2C	10
ORDRSPAD	20		ORDSYFCP	2C	40
ORDSET	24	1C	ORDSYKI	38	
ORDSPDEV	24	14	ORDSYKN	2E	2
ORDSPFSA	24	C	ORDSYKP	2E	8
ORDSPFSS	24	4	ORDSYKT	2E	4
ORDSRESP	18	80	ORDSYMSG	54	
ORDSS	2C	2C	ORDSYMV	31	80
ORDSSAB	30	40	ORDSYNC	24	20
ORDSSAD	38	38	ORDSYNP	34	
ORDSSAD4	38		ORDSYNR	2D	20
ORDSSAI	36		ORDSYNV	30	10
ORDSSDN	56	80	ORDSYRD	2D	40
ORDSSDU	30	8	ORDSYRI	2D	80
ORDSSEND	54		ORDSYRL	2E	1
ORDSSF1	30		ORDSYR1	2C	
ORDSSID	34		ORDSYR2	2D	
ORDSSIN	56	40	ORDSYR3	2E	
ORDSSKI	58		ORDSYR4	2F	
ORDSSKN	55	20	ORDSYR5	30	
ORDSSKP	55	80	ORDSYR6	31	
ORDSSKT	55	40	ORDSYSMX	40	
ORDSSMX	32		ORDSYSP	31	20
ORDSSNA	3C		ORDSYSR	2E	10
ORDSSND1	60		ORDSYSZ	CC	A0
ORDSSND2	84		ORDSYSZ1	CC	CC
ORDSSNI	5C		ORDSYS1	2E	80

FSIP Cross Reference

Name	Hex Offset	Hex Value
ORDSYS2	2E	40
ORDSYS3	2E	20
ORDSYVA	30	20
ORDSYXTN	44	
ORDTSZ	44	18
ORD6CLP	31	8
ORD6EOG	31	10
POSTFDATA	1C	
POSTFLS1	18	
POSTGDS	18	80
POSTPARM	18	18
POSTSIZ	20	C
POSTSIZ1	20	24
RDSCKPI	18	20
RSDONE	18	80
RSDSID	1C	
RDSEXTN	28	
RDSFLGS1	18	
RDSINC	18	40
RDSMIDSE	2C	
RDSPARM	18	18
RDSIZ	38	20
RDSIZ1	38	38
RDSSTAT	18	18
RDSUNPR	18	10
SNDE58ER	19	2
SNDE58OK	19	1
SNDPARM	18	18
SNDRSPTR	1C	
SNDSIZ	24	C
SNDSIZ1	24	24
SNDTYDCL	18	2
SNDTYDNR	18	4
SNDTYEXT	18	1
SNDTYFIT	18	20
SNDTYICL	18	8
SNDTYINT	18	10
SNDTYPE	18	
SNDTYP2	19	
SNDTYRSP	18	80
SNDTYTDS	18	40

FTPT Information

FTPT Heading Information

Common Name: Parm list for FRR/ESTAE (Comm Task)
Macro ID: IEZVR001
DSECT Name: PARMLIST, PARMDATA
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Yes
 Subpool: Any
 Key: 0
Size: PARMLIST - 24 bytes
 PARMDATA - 88 bytes
Created by: Comm task modules using IEAVMFRR as their recovery routine.
Pointed to by: Register 2 on entry to IEAVMFRR
Serialization: N/A
Function: Used by the protected routine to communicate with the recovery routine.
 Passed to IEAVMFRR via the PARAM keyword on the ESTAE macro, or the PARMAD keyword on the SETFRR macro.

FTPT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	PARMLIST	RECOVERY PARM LIST
0	(0)	CHARACTER	4	PARMSTAT	STATUS WORD
0	(0)	ADDRESS	1	PARMFTPT	FOOTPRINT BYTE
1	(1)	BITSTRING	1	PARMFLAG	FLAG BYTE
		1...		PARMSDWA	SDWA INDICATOR
		.1.		PARMCWT	CONTINUE WITH TERM. IND.
		..1.		PARMRECU	ESTAE RECURSION COUNTER
		...1		PARMFRID	FRR INDICATOR. ON = THE LEVEL OF RECOVERY ASSOCIATED WITH THIS PARMLIST IS PROTECTED BY AN FRR. HOWEVER, FOR ROUTINES INVOKED DIRECTLY BY IEAVMFRR (E.G., THE CLEANUP ROUTINE POINTED TO BY THE PARMCLAD FIELD, AND THE DUMP EXIT ROUTINE POINTED TO BY THE PARMDMPA FIELD, BUT NOT THE RETRY POINT POINTED TO BY PARMRTAD), ON = THE LEVEL OF RECOVERY ASSOCIATED WITH THIS PARMLIST IS AN FRR. This will be on for estae entry into IEAVMFRR if percolated from FRR The callers of SETFRR turn it on in the estae parameter list
		.... 1..		PARMWARG	REG UPDATE INDICATOR
		.... .1..		PARMNDMP	NO DUMP INDICATOR
		.... ..1.		PARMCLNP	Cleanup only call
		.... ...1		PARMDPNO	Issue SETRP DUMP=NO
2	(2)	ADDRESS	1	PARMSYSR	SYSTEM SERVICE ID
3	(3)	ADDRESS	1	PARMCTBK	CONTROL BLOCK ID
4	(4)	ADDRESS	4	PARMUSER	RECOVERY USER DATA AREA ADDRESS (WAS PARMSYAD - SERVICE HANDLER ADDR)
8	(8)	ADDRESS	4	PARMCLAD	CLEANUP ROUTINE ADDRESS RECEIVES CONTROL IN PRIMARY MODE
12	(C)	ADDRESS	4	PARMRTAD	RETRY ADDRESS
16	(10)	ADDRESS	4	PARMRGAD	REGISTER SAVEAREA POINTER
20	(14)	CHARACTER	4	PARMID	MODULE ID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	88	PARMDATA	RECOVERY USER DATA AREA
0	(0)	CHARACTER	4	PARMACRO	ACRONYM - 'PDAT'
4	(4)	UNSIGNED	1	PARMVRSN	VERSION LEVEL
5	(5)	BITSTRING	1	PARMENV	ENVIRONMENT
		1...		PARMXMCS	EXTENDED-MCS PROCESSING
6	(6)	CHARACTER	2	PARMFLGS	MISCELLANEOUS FLAGS
6	(6)	BITSTRING	1	PARMFLG1	MISCELLANEOUS FLAGS BYTE 1
		1...		PARMCCEA	TRYING TO ACCESS CCE
		.1.		PARMODTA	TRYING TO ACCESS ODT
		..1.		PARM_MULTISYSTEM_DUMP	Multisystem dump requested
		...1		PARMMSGA	TRYING TO ACCESS MESSAGE DATA SPACE

FTPT Constants • FTPT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		PARMMDS1	MDCBMDS1 HAS BEEN SET
		.... .1..		PARMRSOK	PARMRSNC is valid
		.... ..1.		PARMFDMP	FORCE DUMP ON CLEANUP ONLY CALL
		.... ...1		PARMCMDS	CMDS COMMAND DUMP
7	(7)	BITSTRING	1	PARMFLG2	MISCELLANEOUS FLAGS BYTE 2
8	(8)	CHARACTER	8	PARMLOAD	LOAD MODULE NAME
16	(10)	CHARACTER	8	PARMCSCCT	CSECT CURRENTLY IN CONTROL
24	(18)	CHARACTER	8	PARMBRCH	MODULE/SERVICE BEING BRANCHED TO
32	(20)	CHARACTER	16	PARMMDLV	MODULE LEVEL
48	(30)	CHARACTER	5	PARMCMPPT	COMPONENT ID OF FAILING MODULE
53	(35)	CHARACTER	3	PARMABND	EBCDIC abend code
56	(38)	ADDRESS	4	PARMVVRAD	VRA ADDRESS
60	(3C)	ADDRESS	4	PARMSDWD	SDWA ADDRESS
64	(40)	ADDRESS	4	PARMDMPA	DUMP EXIT ROUTINE ADDRESS
68	(44)	ADDRESS	4	PARMUDEF	PTR TO USER DEFINED DATA AREA
72	(48)	CHARACTER	8	PARMRSNC	Abend reason code in EBCDIC, if PARMRSOK = ON
80	(50)	CHARACTER	8	PARMSTOK	CMDS command dataspace stoken

FTPT Constants

Len	Type	Value	Name	Description
4	CHARACTER	PDAT	PARMACRN	ACRONYM - 'PDAT'
1	DECIMAL		PARMS410	SP4.1.0 VERSION LEVEL
1	DECIMAL		PARMS420	SP4.2.0 VERSION LEVEL
1	DECIMAL		PARMS703	HBB7703, OW45398
1	DECIMAL		PARMS705	HBB7705 VERSION LEVEL
1	DECIMAL		PARMVRID	CURRENT VERSION LEVEL

FTPT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PARM_MULTISYSTEM_DUMP			PARMSTOK	50	
	6	20	PARMSYSR	2	
PARMABND	35		PARMUDEF	44	
PARMACRO	0		PARMUSER	4	
PARMBRCH	18		PARMVVRAD	38	
PARMCCEA	6	80	PARMVRSN	4	
PARMCLAD	8		PARMWARG	1	08
PARMCLNP	1	02	PARMXMCS	5	80
PARMCMDS	6	01			
PARMCMPPT	30				
PARMCSCCT	10				
PARMCTBK	3				
PARMCWT	1	40			
PARMDATA	0				
PARMDMPA	40				
PARMDPNO	1	01			
PARMENV	5				
PARMFDMP	6	02			
PARMFLAG	1				
PARMFLGS	6				
PARMFLG1	6				
PARMFLG2	7				
PARMFRID	1	10			
PARMFTPT	0				
PARMID	14				
PARMLIST	0				
PARMLOAD	8				
PARMMDLV	20				
PARMMDS1	6	08			
PARMMSGA	6	10			
PARMNDMP	1	04			
PARMODTA	6	40			
PARMRECU	1	20			
PARMRGAD	10				
PARMRSNC	48				
PARMRSOK	6	04			
PARMRTAD	C				
PARMSDWA	1	80			
PARMSDWD	3C				
PARMSTAT	0				

FUNCFLGS Information

FUNCFLGS Programming Interface Information

Programming Interface Information

FUNCFLGS

End of Programming Interface Information

FUNCFLGS Heading Information • FUNCFLGS Map

FUNCFLGS Heading Information

Common Name: Parameter Mappings for IEFAB4UV and IEFEB4UV
Macro ID: IEFZB4UV
DSECT Name: FUNCFLGS, UNITTAB, GROUPIDD, ATTRIBUTES, UNITADRS, NAMELS12, UCBLIST4, UCBLIST5
Owning Component: Allocation (SC1B4)
Storage Attributes: Subpool: For IEFAB4UV - Subpool 230, For IEFEB4UV - Problem program subpool.
 Key: For IEFAB4UV - Key 1. For IEFEB4UV - Problem program key.
Size: Varies dependent on function
Created by: Callers of IEFAB4UV or IEFEB4UV
Pointed to by: Register 1 points to a pointer to the function flags and a pointer to the unit table on entry to IEFAB4UV or IEFEB4UV.
Serialization: None
Function: To map the parameters to IEFAB4UV or IEFEB4UV. These modules are service routines to provide information from the Eligible Device Table (EDT). IEFAB4UV is for authorized callers; IEFEB4UV is for unauthorized callers. These modules have two parameters: two bytes of function flags, and a unit table. The format and length of the unit table is dependent on the function/functions requested.

FUNCFLGS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	FUNCFLGS	INPUT FUNCTION FLAGS
0	(0)	BITSTRING	1	FUNCFLG1	FIRST BYTE OF FLAGS
		1.. ..		CHKGROUP	"X'80" CHECK FOR GROUP SPLITTING
		.1.		CHKUNITS	"X'40" CHECK FOR CORRECT UNITS
		..1.		RETUNIT	"X'20" RETURN UNIT NAME
		...1		RETNUCBS	"X'10" RETURN UCB ADDRESSES
		.... 1..		RETGRPID	"X'08" RETURN GROUP ID FUNCTION
		.... .1..		LUVDEV	"X'04" INPUT LUV OR DEVICE TYPE FOR CHECK UNIT OR RETURN UCB ADDRESS FUNCTIONS
		.... ..1.		RETNLUV	"X'02" RETURN LOOK-UP VALUE
		.... ...1		CNVTLUV	"X'01" CONVERT DEV TYPE TO LUV
1	(1)	BITSTRING	1	FUNCFLG2	SECOND BYTE OF FLAGS
		1..		RETNATRB	"X'80" RETURN ATTRIBUTES
		.1.		CHKUNSTR	"X'40" DO NOT STORE INTO PARMLIST
		..1.		SPECSUBP	"X'20" USER SPECIFIED SUBPOOL FOR RETURN UCBS
		...1		RETNAME	"X'10" RETURN LIST OF UNIT NAMES
		.... 1..		OVERRIDE	"X'08" Indicates to check if the specified unit name can override.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNITTAB	UNIT TABLE
0	(0)	SIGNED	4	(0)	MAKE ON A WORD BOUNDARY
0	(0)	CHARACTER	8	UNITNM (0)	UNIT NAME
0	(0)	ADDRESS	4	UNGRPDP (0)	PTR TO GROUP ID TABLE
0	(0)	CHARACTER	4	LUVDEVT	LUV OR DEVICE TYPE INPUT FOR CHECK UNIT FUNCTION
4	(4)	ADDRESS	4	UNUCBL5P	PTR TO INPUT UCB LIST
8	(8)	SIGNED	4	(0)	MAKE ON A WORD BOUNDARY
8	(8)	CHARACTER	4	UNLUVDEV (0)	LOOK-UP VAL OR DEV TYPE
8	(8)	ADDRESS	4	UNUCBL4P (0)	RETURN UCB LIST PTR
8	(8)	SIGNED	4	UNITNUMB	NUM OF UNIT ADDRS SUPPLIED
12	(C)	ADDRESS	4	UNITADDP (0)	UNIT ADDRESS TABLE PTR
12	(C)	ADDRESS	4	UNATRIBP	UNIT ATTRIBUTES PTR
16	(10)	SIGNED	2	UNSUBPL	UNIT SUBPOOL FOR UCB LIST
18	(12)	CHARACTER	1	UNDEVCL	DEVICE CLASS FOR SEARCH
19	(13)	CHARACTER	1		RESERVED
20	(14)	SIGNED	4		RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GROUPIDD	GROUP ID DSECT POINTED TO BY UNGRPDP
0	(0)	SIGNED	4	GROUPID	ARRAY OF GROUP IDS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBLIST5	INPUT UCB LIST (FUNC 5) POINTED TO BY UNUCBL5P

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	SIGNED	4	LIST5NUM	NUMBER ENTRIES
4	(4)	ADDRESS	4	LIST5UCB	ARRAY OF UCB ADDRESSES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBLIST4	RETURNED UCB LIST (FUNC 4) POINTED TO BY UNUCBL4P
0	(0)	DBL WORD	8	LIST4HDR (0)	
0	(0)	ADDRESS	1	LIST4SP	SUBPOOL OF LIST
1	(1)	ADDRESS	3	LIST4SIZ	LENGTH OF LIST
4	(4)	SIGNED	4	LIST4NUM	NUMBER OF ENTRIES
8	(8)	ADDRESS	4	LIST4UCB	ARRAY OF UCB ADDRESSES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NAMELS12	RETURNED NAME LIST (FUNC12) POINTED TO BY UNNML12P
0	(0)	DBL WORD	8	LST12HDR (0)	
0	(0)	ADDRESS	1	LST12SPL	SUBPOOL OF LIST
1	(1)	ADDRESS	3	LST12SIZ	LENGTH OF LIST
4	(4)	SIGNED	4	LST12NUM	NUMBER OF ENTRIES
8	(8)	CHARACTER	8	LST12NAM	ARRAY OF UNIT NAMES

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNITADRS	UNIT ADDRESSES (FUNC 1,2) POINTED TO BY UNITADDP
0	(0)	SIGNED	4	(0)	MAKE ON A WORD BOUNDARY
0	(0)	CHARACTER	3	ADDRS	ARRAY OF EBCDIC ADDRESSES
3	(3)	BITSTRING	1	UNADRFLG	UNIT ADDRESS FLAG
		1...		INVALID	"X'80" INVALID ADDRESS
		.1..		UNITERR	"X'40" UNIT NOT ASSOCIATED WITH INPUT UNIT NAME

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRIBUTS	UNIT ATTRIBUTES (FUNC 9) POINTED TO BY UNATRIBP
0	(0)	SIGNED	4	(0)	MAKE ON A WORD BOUNDARY
0	(0)	SIGNED	1	ATRLN	LENGTH OF AREA
1	(1)	BITSTRING	2	ATRFLGS (0)	ATTRIBUTE FLAGS
1	(1)	BITSTRING	1	ATRFLG1	FIRST BYTE OF FLAGS
		1...		ESOTERIC	"X'80" UNIT IS AN ESOTERIC
		.1..		VIOELIG	"X'40" UNIT IS VIO ELIGIBLE
		..1.		V3330	"X'20" CONTAINS 3330V UNITS
		...1		TPCLASS	"X'10" CONTAINS TP DEVICES
2	(2)	BITSTRING	1	ATRFLG2	SECOND BYTE OF FLAGS
		1...		OVERESO	"X'80" Indicates the specified unit name is an overriding esoteric.
3	(3)	CHARACTER	1	DEVCLAS#	NUM OF DEVICE CLASSES
4	(4)	CHARACTER	4	GENDEV#	NUM OF GENERIC DEV. TYPES
8	(8)	CHARACTER	2		RESERVED
8	(8)	X'A'	0	ATRLENC	"*-ATRIBUTS" LENGTH OF ATRIBUTS

Comment

RETURN CODE CONSTANTS

End of Comment

12	(C)	SIGNED	4	SUCES4UV	SUCCESSFUL OPERATION
16	(10)	SIGNED	4	NAMER4UV	INPUT VALUE NOT FOUND IN EDT
20	(14)	SIGNED	4	UNITR4UV	INCORRECT UNITS ASSOCIATED WITH UNIT NAME
24	(18)	SIGNED	4	GRPER4UV	INVALID DEVICE GROUPINGS FOR INPUT UNIT ADDRESSES
28	(1C)	SIGNED	4	GETER4UV	GETMAIN ERROR
32	(20)	SIGNED	4	ADDRE4UV	INPUT UNIT ADDRESS INVALID
36	(24)	SIGNED	4	ENVER4UV	ENVIRONMENT NOT SET UP
40	(28)	SIGNED	4	FNCER4UV	INVALID, MUTUALLY EXCLUSIVE, AND/OR NO FUNCTION REQUESTED OR NO LIST INPUT FOR FUNCTION 1, 2, 5, OR 9
44	(2C)	SIGNED	4	ATRPT4UV	A pointer to the attribute area is required for the specified function(s) but is zero.
48	(30)	SIGNED	4	NOTAC4UV	None of the units within the specified unit name are accessible via the IEFEB4UV /IEFAB4UV/IEFGB4UV interface (i.e. no 3-digit, STATIC, devices with 24-bit UCBs).

FUNCFLGS Cross Reference

FUNCFLGS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADDRE4UV	20	14	V3330	1	20
ADDRS	0				
ATRFLGS	1				
ATRFLG1	1				
ATRFLG2	2				
ATRIBUTS	0				
ATRLLEN	0				
ATRLENC	8	A			
ATRPT4UV	2C	20			
CHKGROUUP	0	80			
CHKUNITS	0	40			
CHKUNSTR	1	40			
CNVTLUV	0	1			
DEVCLAS#	3				
ENVER4UV	24	18			
ESOTERIC	1	80			
FNCER4UV	28	1C			
FUNCFLGS	0				
FUNCFLG1	0				
FUNCFLG2	1				
GENDEV#	4				
GETER4UV	1C	10			
GROUPID	0				
GROUPIDD	0				
GRPER4UV	18	C			
INVALID	3	80			
LIST4HDR	0				
LIST4NUM	4				
LIST4SIZ	1				
LIST4SP	0				
LIST4UCB	8				
LIST5NUM	0				
LIST5UCB	4				
LST12HDR	0				
LST12NAM	8				
LST12NUM	4				
LST12SIZ	1				
LST12SPL	0				
LUVDEVB	0	4			
LUVDEVT	0				
NAMELS12	0				
NAMER4UV	10	4			
NOTAC4UV	30	24			
OVERESO	2	80			
OVERRIDE	1	8			
RETGRPID	0	8			
RETNATRB	1	80			
RETNLUV	0	2			
RETNNAME	1	10			
RETNUCBS	0	10			
RETNUNIT	0	20			
SPECSUBP	1	20			
SUCES4UV	C	0			
TPCLASS	1	10			
UCBLIST4	0				
UCBLIST5	0				
UNADRFLG	3				
UNATRIBP	C				
UNDEVCL	12				
UNGRPIDP	0				
UNITADDP	C				
UNITADRS	0				
UNITERR	3	40			
UNITNM	0				
UNITNUMB	8				
UNITR4UV	14	8			
UNITTAB	0				
UNLUVDEV	8				
UNSUBPL	10				
UNUCBL4P	8				
UNUCBL5P	4				
VIOELIG	1	40			

GDA Information

GDA Programming Interface information

Programming Interface information

GDA

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

- GDA_CSA_ALLOC
- GDA_CSA_CONV
- GDA_ECSA_ALLOC
- GDA_ECSA_CONV
- GDA_ESQA_ALLOC
- GDA_SQA_ALLOC
- GDACSA
- GDACSACV
- GDACSAHWM
- GDACSASZ
- GDACSATR
- GDADGQAT@
- GDAECSA
- GDAECSAHWM
- GDAECSAS
- GDAEPVT
- GDAEPVTS
- GDAESQA
- GDAESQAHWM
- GDAESQAS
- GDAFCAUB
- GDAGQAT_INDEX
- GDALCAUB
- GDAPVT
- GDAPVTSZ
- GDASCAUB
- GDASQA
- GDASQAHWM
- GDASQASZ
- GDASQATR
- GDASYVAB
- GDATotalCSAHWM
- GDATotalECSAHWM
- GDATRACKINGTIMESTAMPS
- GDAUCAUB
- GDAVR
- GDAVREGS
- GDAVRSZ

End of Programming Interface information

GDA Heading Information • GDA Map

GDA Heading Information

Common Name: Global Data Area Block
Macro ID: IHAGDA
DSECT Name: GDA
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: GDA
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: GDA -- X'0310' bytes
Created by: IEAIPLO4
Pointed to by: CVTGDA
Serialization: VSMFIX LOCK
Function: CONTROL BLOCK USED BY VSM TO CONTAIN
 INFORMATION ABOUT SYSTEM RELATED VIRTUAL
 STORAGE AND TO ANCHOR SQA AND CSA QUEUES

GDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GDA	GLOBAL DATA AREA
0	(0)	CHARACTER	4	GDAID	CONTROL BLOCK IDENTIFIER
4	(4)	CHARACTER	24	GDAQANC5 (0)	SUBPOOL 245 QUEUE ANCHORS
4	(4)	ADDRESS	4	GDASQAT5	ADDRESS OF THE SUBPOOL 245 SIZE QUEUE ANCHOR TABLE
8	(8)	ADDRESS	4	GDAAQAT5	ADDRESS OF THE SUBPOOL 245 ADDRESS QUEUE ANCHOR TABLE
12	(C)	CHARACTER	16	GDADFEQ5 (0)	SUBPOOL 245 DFE QUEUE HEADER
12	(C)	ADDRESS	4	GDAADF45	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 245 ADDRESS QUEUE
16	(10)	ADDRESS	4	GDAADL45	ADDRESS OF THE LAST DFE ON THE SUBPOOL 245 ADDRESS QUEUE
20	(14)	ADDRESS	4	GDASZF45	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 245 SIZE QUEUE
24	(18)	ADDRESS	4	GDASZL45	ADDRESS OF THE LAST DFE ON THE SUBPOOL 245 SIZE QUEUE
28	(1C)	CHARACTER	24	GDAEANC5 (0)	SUBPOOL 245 QUEUE ANCHORS - EXTENDED
28	(1C)	ADDRESS	4	GDAESQT5	ADDRESS OF THE SUBPOOL 245 SIZE QUEUE ANCHOR TABLE
32	(20)	ADDRESS	4	GDAEAQT5	ADDRESS OF THE SUBPOOL 245 ADDRESS QUEUE ANCHOR TABLE
36	(24)	CHARACTER	16	GDAEDFE5 (0)	SUBPOOL 245 DFE QUEUE HEADER
36	(24)	ADDRESS	4	GDAEADF5	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 245 ADDRESS QUEUE
40	(28)	ADDRESS	4	GDAEADL5	ADDRESS OF THE LAST DFE ON THE SUBPOOL 245 ADDRESS QUEUE
44	(2C)	ADDRESS	4	GDAESZF5	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 245 SIZE QUEUE
48	(30)	ADDRESS	4	GDAESZL5	ADDRESS OF THE LAST DFE ON THE SUBPOOL 245 SIZE QUEUE
52	(34)	CHARACTER	24	GDAQANC6 (0)	SUBPOOL 226 QUEUE ANCHORS
52	(34)	ADDRESS	4	GDASQAT6	ADDRESS OF THE SUBPOOL 226 SIZE QUEUE ANCHOR TABLE
56	(38)	ADDRESS	4	GDAAQAT6	ADDRESS OF THE SUBPOOL 226 ADDRESS QUEUE ANCHOR TABLE
60	(3C)	CHARACTER	16	GDADFEQ6 (0)	SUBPOOL 226 DFE QUEUE HEADER
60	(3C)	ADDRESS	4	GDAADF26	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 226 ADDRESS QUEUE
64	(40)	ADDRESS	4	GDAADL26	ADDRESS OF THE LAST DFE ON THE SUBPOOL 226 ADDRESS QUEUE
68	(44)	ADDRESS	4	GDASZF26	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 226 SIZE QUEUE
72	(48)	ADDRESS	4	GDASZL26	ADDRESS OF THE LAST DFE ON THE SUBPOOL 226 SIZE QUEUE
76	(4C)	CHARACTER	24	GDAEANC6 (0)	Subpool 226 Queue Anchors - Extended
76	(4C)	ADDRESS	4	GDAESQT6	Address of the subpool 226 Size Queue Anchor Table
80	(50)	ADDRESS	4	GDAEAQT6	Address of the subpool 226 Address Queue Anchor Table
84	(54)	CHARACTER	16	GDAEDFE6 (0)	Subpool 226 DFE queue header
84	(54)	ADDRESS	4	GDAEADF6	Address of the first DFE on the subpool 226 address queue
88	(58)	ADDRESS	4	GDAEADL6	Address of the last DFE on the subpool 226 address queue
92	(5C)	ADDRESS	4	GDAESZF6	Address of the first DFE on the subpool 226 size queue
96	(60)	ADDRESS	4	GDAESZL6	Address of the last DFE on the subpool 226 size queue
100	(64)	CHARACTER	16	GDACSARD (0)	CSA REGION DESCRIPTOR
100	(64)	ADDRESS	4	GDAFBQCF	ADDRESS OF THE FIRST CSA FBQE
104	(68)	ADDRESS	4	GDAFBQCL	ADDRESS OF THE LAST CSA FBQE
108	(6C)	ADDRESS	4	GDACSA	LOWEST ADDRESS OF CSA (PSPI)
112	(70)	SIGNED	4	GDACSASZ	SIZE OF CSA (PSPI)
116	(74)	CHARACTER	16	GDAEACRD (0)	CSA REGION DESCRIPTOR - EXTENDED
116	(74)	ADDRESS	4	GDAEFBCF	ADDRESS OF THE FIRST EXTENDED CSA FBQE
120	(78)	ADDRESS	4	GDAEFBCL	ADDRESS OF THE LAST EXTENDED CSA FBQE
124	(7C)	ADDRESS	4	GDAECSA	LOWEST ADDRESS OF EXTENDED CSA (PSPI)
128	(80)	SIGNED	4	GDAECSAS	SIZE OF EXTENDED CSA (PSPI)
132	(84)	SIGNED	4	GDACSARE	AMOUNT OF UNALLOCATED COMMON AREA LEFT (CSA + SQA) Note that ECSA and ESQA are NOT included in this count.
136	(88)	ADDRESS	4	GDASPT	ADDRESS OF CSA SUBPOOL TABLE
140	(8C)	SIGNED	4	GDACSACV	AMOUNT OF CSA CONVERTED TO SQA (PSPI)
144	(90)	ADDRESS	4	GDASQA	ADDRESS OF START OF SQA AREA (PSPI)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
148	(94)	SIGNED	4	GDASQASZ	Size of SQA. This gives the amount of storage that is set aside to fulfill SQA GETMAINS. In other words, this defines the maximum number of bytes that can be GETMAINED from SQA. (PSPI)
152	(98)	ADDRESS	4	GDAESQA	ADDRESS OF START OF SQA AREA - EXTENDED (PSPI)
156	(9C)	SIGNED	4	GDAESQAS	Size of extended SQA. This gives the amount of storage that is set aside to fulfill extended SQA GETMAINS. In other words, this defines the maximum number of bytes that can be GETMAINED from extended SQA. (PSPI)
160	(A0)	ADDRESS	4	GDAPVT (0)	ADDRESS OF START OF PRIVATE AREA (PSPI)
160	(A0)	ADDRESS	4	PASTRT	ADDRESS OF START OF PRIVATE AREA
164	(A4)	SIGNED	4	GDAPVTSZ (0)	SIZE OF PRIVATE AREA (PSP)
164	(A4)	SIGNED	4	PASIZE	SIZE OF PRIVATE AREA
168	(A8)	ADDRESS	4	GDAEPVT	ADDRESS OF START OF PRIVATE AREA - EXTENDED (PSPI)
172	(AC)	SIGNED	4	GDAEPVTS	SIZE OF PRIVATE AREA - EXTENDED (PSPI)
176	(B0)	CHARACTER	12	GDACPANC (0)	SQA CELL POOL HEADER
176	(B0)	ADDRESS	4	GDACPADR	ADDRESS OF VSM'S SQA CELL POOL
180	(B4)	SIGNED	4	GDACPANT	NUMBER OF FREE CELLS IN VSM'S SQA CELL POOL
184	(B8)	ADDRESS	4	GDAFCADR	ADDRESS OF FIRST FREE CELL IN VSM'S SQA CELL POOL
188	(BC)	ADDRESS	4	GDACPAB	ADDRESS OF PERMANENT CPAB TABLE
192	(C0)	ADDRESS	4	GDAVR	ADDRESS OF GLOBAL V=R AREA (PSPI)
196	(C4)	SIGNED	4	GDAVRSZ	SIZE OF GLOBAL V=R AREA (PSPI)
200	(C8)	SIGNED	4	GDAVREGS	DEFAULT V=R REGION SIZE (PSPI)
204	(CC)	ADDRESS	4	GDAWRKA	ADDRESS OF GLOBAL WORKAREA IN NUCLEUS
208	(D0)	ADDRESS	4	GDARGR	ADDRESS OF REGION REQUEST ELEMENT QUEUE
212	(D4)	ADDRESS	4	GDASPTT	ADDRESS OF SUBPOOL TRANSLATION TABLE
216	(D8)	CHARACTER	2	GDAFLGS (0)	MISCELLANEOUS FLAGS
216	(D8)	CHARACTER	1	GDAFLGS0 (0)	
		1...		GDALOW1	"X'80" IF ONE COMMON AREA FREE SPACE IS BELOW THRESHOLD 1
		.1.		GDALOW2	"X'40" IF ONE COMMON AREA FREE SPACE IS BELOW THRESHOLD 2
		..1.		GDAGFSTR	"X'20" Indicates that GETMAIN/FREEMAIN/STORAGE (GFS) trace is active ('1'B) or inactive ('0'B).
		...1		GDASQAOK	"X'10" Indicates whether IEAVNP08 has finished processing the SQA parameter. '0'B => IEAVNP08 has *NOT* finished. '1'B => IEAVNP08 is done. Supervisor control interrogates this bit, and builds pools for the linkage stacks only after the SQA parameter has been processed. If the attempt to obtain storage for the linkage stack fails because SQA has been exhausted, then only a re-IPL (with more SQA) is required. If supervisor builds the linkage stack pools *before* the SQA parameter is processed, then an 'SQA exhausted' error would require a ZAP to increase the size of initial SQA. This bit is implicitly initialized to '0'B when IEAIPL04 builds the GDA. Serialization: None.
					Comment
<p>The following 2 fields indicate whether the VSM function that collects data about who is using SQA and CSA is active ('1'B) or inactive ('0'B). Write serialization: VSMFIX and VSMPAG. Read serialization: VSMFIX or VSMPAG.</p>					
					End of Comment
		.... 1..		GDACSATR	"X'08"
					Comment
<p>Indicates whether the VSM function that collects data about who is using CSA is active ('1'B) or inactive ('0'B). (PSPI)</p>					
					End of Comment
		.... .1.		GDASQATR	"X'04"
					Comment
<p>Indicates whether the VSM function that collects data about who is using SQA is active ('1'B) or inactive ('0'B). (PSPI)</p>					
					End of Comment
		.... ..1.		GDASTTC	"X'02" Subpool Translation Table complete. Set when the the subpool table indices have been set to their final values. Prior to this, requests for storage from LSQA (SP203-5,213-15,223-25,233-35, 253-55) were satisfied from SP 245. '0'B ==> LSQA getmains satisfied from SP 245 '1'B ==> LSQA getmains satisfied from subpools specified
		.... ...1		GDAUKCSA	"X'01" User key CSA has been obtained at least once since the last time Health Checker reported the condition
217	(D9)	CHARACTER	1	GDAFLGS1 (0)	
		11..		GDADPACT	"X'C0" Common storage Detect/Protect

GDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		GDAETA	"X'80" Common storage Detect active
		.1... ..		GDAPROTA	"X'40" Common storage Protect active
218	(DA)	CHARACTER	2		RESERVED
220	(DC)	ADDRESS	4	GDAACSADR	ADDRESS OF CSA DEFERED RELEASE FBQE QUEUE
224	(E0)	ADDRESS	4	GDAWRKAP	ADDRESS OF WORK AREA FOR PAGABLE CSA
228	(E4)	CHARACTER	24	GDAQANC9 (0)	SUBPOOL 239 QUEUE ANCHORS
228	(E4)	ADDRESS	4	GDAEQAT9	ADDRESS OF THE SUBPOOL 239 SIZE QUEUE ANCHOR TABLE
232	(E8)	ADDRESS	4	GDAEQAT9	ADDRESS OF THE SUBPOOL 239 ADDRESS QUEUE ANCHOR TABLE
236	(EC)	CHARACTER	16	GDAEFQ9 (0)	SUBPOOL 239 DFE QUEUE HEADER
236	(EC)	ADDRESS	4	GDAADF39	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 239 ADDRESS QUEUE
240	(F0)	ADDRESS	4	GDAEADL39	ADDRESS OF THE LAST DFE ON THE SUBPOOL 239 ADDRESS QUEUE
244	(F4)	ADDRESS	4	GDAESZF39	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 239 SIZE QUEUE
248	(F8)	ADDRESS	4	GDAESZL39	ADDRESS OF THE LAST DFE ON THE SUBPOOL 239 SIZE QUEUE
252	(FC)	CHARACTER	24	GDAEANC9 (0)	SUBPOOL 239 QUEUE ANCHORS - EXTENDED
252	(FC)	ADDRESS	4	GDAEQT9	ADDRESS OF THE SUBPOOL 239 SIZE QUEUE ANCHOR TABLE
256	(100)	ADDRESS	4	GDAEAQT9	ADDRESS OF THE SUBPOOL 239 ADDRESS QUEUE ANCHOR TABLE
260	(104)	CHARACTER	16	GDAEDFE9 (0)	SUBPOOL 239 DFE QUEUE HEADER
260	(104)	ADDRESS	4	GDAEADF9	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 239 ADDRESS QUEUE
264	(108)	ADDRESS	4	GDAEADL9	ADDRESS OF THE LAST DFE ON THE SUBPOOL 239 ADDRESS QUEUE
268	(10C)	ADDRESS	4	GDAESZF9	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 239 SIZE QUEUE
272	(110)	ADDRESS	4	GDAESZL9	ADDRESS OF THE LAST DFE ON THE SUBPOOL 239 SIZE QUEUE
276	(114)	ADDRESS	4	GDAPDPG	ADDRESS OF PAGEABLE PPD QUEUE
280	(118)	ADDRESS	4	GDAPPDFX	ADDRESS OF FIXED PPD QUEUE
284	(11C)	CHARACTER	16	GDANONFM (0)	NON-FREEMAINABLE COMMON AREAS
284	(11C)	CHARACTER	8	GDASM (0)	NON-FREEMAINABLE STORAGE MANAGEMENT AREA
284	(11C)	ADDRESS	4	GDASMAD	ADDRESS OF AREA
288	(120)	SIGNED	4	GDASMSZ	SIZE OF AREA
292	(124)	CHARACTER	8	GDAPGT (0)	NON-FREEMAINABLE PAGE TABLE AREA
292	(124)	ADDRESS	4	GDAPGTAD	ADDRESS OF AREA
296	(128)	SIGNED	4	GDAPGTSZ	SIZE OF AREA
300	(12C)	CHARACTER	24	GDAQANC7	RESERVED
324	(144)	CHARACTER	24	GDAEANC7 (0)	SUBPOOL 247 QUEUE ANCHORS - EXTENDED
324	(144)	ADDRESS	4	GDAEQT7	ADDRESS OF THE SUBPOOL 247 SIZE QUEUE ANCHOR TABLE
328	(148)	ADDRESS	4	GDAEAQT7	ADDRESS OF THE SUBPOOL 247 ADDRESS QUEUE ANCHOR TABLE
332	(14C)	CHARACTER	16	GDAEDFE7 (0)	SUBPOOL 247 DFE QUEUE HEADER
332	(14C)	ADDRESS	4	GDAEADF7	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 247 ADDRESS QUEUE
336	(150)	ADDRESS	4	GDAEADL7	ADDRESS OF THE LAST DFE ON THE SUBPOOL 247 ADDRESS QUEUE
340	(154)	ADDRESS	4	GDAESZF7	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 247 SIZE QUEUE
344	(158)	ADDRESS	4	GDAESZL7	ADDRESS OF THE LAST DFE ON THE SUBPOOL 247 SIZE QUEUE
348	(15C)	CHARACTER	24	GDAQANC8	RESERVED
372	(174)	CHARACTER	24	GDAEANC8 (0)	SUBPOOL 248 QUEUE ANCHORS - EXTENDED
372	(174)	ADDRESS	4	GDAEQT8	ADDRESS OF THE SUBPOOL 248 SIZE QUEUE ANCHOR TABLE
376	(178)	ADDRESS	4	GDAEAQT8	ADDRESS OF THE SUBPOOL 248 ADDRESS QUEUE ANCHOR TABLE
380	(17C)	CHARACTER	16	GDAEDFE8 (0)	SUBPOOL 248 DFE QUEUE HEADER
380	(17C)	ADDRESS	4	GDAEADF8	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 248 ADDRESS QUEUE
384	(180)	ADDRESS	4	GDAEADL8	ADDRESS OF THE LAST DFE ON THE SUBPOOL 248 ADDRESS QUEUE
388	(184)	ADDRESS	4	GDAESZF8	ADDRESS OF THE FIRST DFE ON THE SUBPOOL 248 SIZE QUEUE
392	(188)	ADDRESS	4	GDAESZL8	ADDRESS OF THE LAST DFE ON THE SUBPOOL 248 SIZE QUEUE
396	(18C)	ADDRESS	4	GDATRAC	Address of the GETMAIN/FREEMAIN/STORAGE (GFS) trace anchor block. Serialization: Read=none, Write=none. (Only IEAIPL04 writes this field.)
400	(190)	SIGNED	4	GDAESTSZ	Size of RSM's ESTE. Computed by IPL04, passed to NPAB.

Comment

Fields related to tracking CSA. Unless noted otherwise, read serialization for all fields is none, and write serialization for all fields is the VSMFIX lock. To find more information about what these fields point to, see the mapping macro IGVCAUB.

End of Comment

404	(194)	ADDRESS	4	GDASCAUB	Address of the system CAUB. (PSPI)
408	(198)	ADDRESS	4	GDAUCAUB	Address of the unknown CAUB. (PSPI)
412	(19C)	ADDRESS	4	GDAFCAUB	Address of the first CAUB on the unowned queue. (PSPI)
416	(1A0)	ADDRESS	4	GDALCAUB	Address of the last CAUB on the unowned queue. (PSPI)
420	(1A4)	ADDRESS	4	GDAGQAT_INDEX	
424	(1A8)	BITSTRING	1	GDAFLAGS0 (0)	Address of the GQAT Index Table (PSPI) Flags
		1... ..		GDATRACKINGPERMANENTLYOFF	"X'80" An error was detected while processing common storage tracking. Tracking was disabled and may not be restarted.
		.1... ..		GDATRACKINGCLEANEDUP	"X'40" Indicates whether or not things have been cleaned up following setting of the TrackingPermanentlyOff bit.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
425	(1A9)	BITSTRING	1	GDAFLAGS1	Flags
426	(1AA)	BITSTRING	1	GDAFLAGS2	Flags
427	(1AB)	BITSTRING	1	GDAFLAGS3	Flags
428	(1AC)	CHARACTER	4		Reserved

Comment

The following fields contain counts of how much common storage is GETMAINED.

End of Comment

432	(1B0)	SIGNED	4	GDA_CSA_ALLOC	Total non-extended CSA currently GETMAINED. (PSPI)
436	(1B4)	SIGNED	4	GDA_ECSA_ALLOC	Total extended CSA currently GETMAINED (PSPI)
440	(1B8)	SIGNED	4	GDA_SQA_ALLOC	Total non-extended SQA currently GETMAINED. This includes SQA that has been converted from CSA. Note that this does not include portions of pages that are free. That is, only GETMAINED storage is included here. (PSPI)
444	(1BC)	SIGNED	4	GDA_ESQA_ALLOC	Total extended SQA currently GETMAINED This includes ESQA that has been converted from ECSA. Note that this does not include portions of pages that are free. That is, only GETMAINED storage is included here. (PSPI)
448	(1C0)	SIGNED	4	GDA_CSA_CONV	Total non-extended CSA currently converted to non-extended SQA. (This includes portions of pages that are free.) (PSPI)
452	(1C4)	SIGNED	4	GDA_ECSA_CONV	Total extended CSA currently converted to to extended SQA. (This includes portions of pages that are free.) (PSPI)
456	(1C8)	CHARACTER	12	GDACAANC (0)	CAUB Cell pool header
456	(1C8)	ADDRESS	4	GDACAADR	ADDRESS OF VSM'S CAUB Cell pool
460	(1CC)	SIGNED	4	GDACACNT	NUMBER OF FREE CELLS IN VSM'S CAUB CELL POOL
464	(1D0)	ADDRESS	4	GDAFCAAD	ADDRESS OF FIRST FREE CELL IN VSM'S CAUB Cell pool
468	(1D4)	CHARACTER	12	GDAVAANC (0)	VAB Cell pool header
468	(1D4)	ADDRESS	4	GDAVAADR	ADDRESS OF VSM'S VAB Cell pool
472	(1D8)	SIGNED	4	GDAVACNT	NUMBER OF FREE CELLS IN VSM'S VAB CELL POOL
476	(1DC)	ADDRESS	4	GDAFVAAD	ADDRESS OF FIRST FREE CELL IN VSM'S VAB Cell pool
480	(1E0)	ADDRESS	4	GDASJOB@	Address of job start/stop service routine. This is not an intended interface.
484	(1E4)	ADDRESS	4	GDASYVAB	Address of system VAB. (PSPI)
488	(1E8)	CHARACTER	12	GDACSAGQECPANC (0)	CSA GQE Cell pool header
488	(1E8)	ADDRESS	4	GDACSAGQECPADR	Csa GQE cell pool address
492	(1EC)	SIGNED	4	GDACSAGQEPCNT	Number of free cells
496	(1F0)	ADDRESS	4	GDACSAGQEFCADR	First free cell
500	(1F4)	ADDRESS	4	GDADGQAT@	Address of dummy GQAT (PSPI)
504	(1F8)	CHARACTER	12	GDASQAGQECPANC (0)	SQA GQE Cell pool header
504	(1F8)	ADDRESS	4	GDASQAGQECPADR	Sqa GQE cell pool address
508	(1FC)	SIGNED	4	GDASQAGQEPCNT	Number of free cells
512	(200)	ADDRESS	4	GDASQAGQEFCADR	First free cell
516	(204)	CHARACTER	16	GDATRACKINGTIMESTAMPS (0)	Everything in this substructure is PSPI.
516	(204)	CHARACTER	8	GDACSATRACKINGTIMESTAMPS (0)	(PSPI)
516	(204)	SIGNED	4	GDACSATRACKINGLASTON	Bits 0-31 of TOD clock when CSA tracking was last turned on. 0 if unchanged since IPL.
520	(208)	SIGNED	4	GDACSATRACKINGLASTOFF	Bits 0-31 of TOD clock when CSA tracking was last turned off. 0 if unchanged since IPL.
524	(20C)	CHARACTER	8	GDASQATRACKINGTIMESTAMPS (0)	
524	(20C)	SIGNED	4	GDASQATRACKINGLASTON	Bits 0-31 of TOD clock when SQA tracking was last turned on. 0 if unchanged since IPL.

GDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
528	(210)	SIGNED	4	GDASQATRACKINGLASTOFF	Bits 0-31 of TOD clock when SQA tracking was last turned off. 0 if unchanged since IPL.
532	(214)	SIGNED	4	GDADOMID_IQV002E	
536	(218)	SIGNED	4	GDASQAHWM	GDA_SQA_ALLOC high water mark
540	(21C)	SIGNED	4	GDAESQAHWM	GDA_ESQA_ALLOC high water mark
544	(220)	SIGNED	4	GDACSAHWM	GDA_CSA_Alloc high water mark
548	(224)	SIGNED	4	GDAECSAHWM	GDA_ECDSA_Alloc high water mark
552	(228)	SIGNED	4	GDATOTALCSAHWM	(GDA_CSA_Alloc + GDA_CSA_Conv) high water mark
556	(22C)	SIGNED	4	GDATOTALCSAHWM	(GDA_ECDSA_Alloc+GDA_ECDSA_Conv) high water mark
560	(230)	CHARACTER	4	GDANOC SADUMPTIMESTAMPH	When last dump taken for "NO CSA". High 32 bits
564	(234)	CHARACTER	4	GDANOSQADUMPTIMESTAMPH	When last dump taken for "NO SQA". High 32 bits

Comment

THE FOLLOWING FIELDS WILL CONTAIN EITHER THE BASE THRESHOLD VALUES DEFINED BELOW OR THE THRESHOLD VALUES DEFINED BY THE CUSTOMER. THESE THRESHOLD VALUES ARE SET AT IPL TIME.

End of Comment

568	(238)	SIGNED	4	GDAHISUF	SRM CSA/SQA SPACE HIGH THRESHOLD - SUFFICIENT SPACE
572	(23C)	SIGNED	4	GDALOSUF	SRM CSA/SQA SPACE LOW THRESHOLD - SUFFICIENT SPACE
576	(240)	SIGNED	4	GDAHIINS	SRM CSA/SQA SPACE HIGH THRESHOLD - INSUFFICIENT SPACE
580	(244)	SIGNED	4	GDALOINS	SRM CSA/SQA SPACE LOW THRESHOLD - INSUFFICIENT SPACE
584	(248)	CHARACTER	24	GDAQANC5R64	Subpool 245 queue anchors V24 R64
				(0)	
584	(248)	ADDRESS	4	GDASQAT5R64	Address of the subpool 245 Size Queue Anchor Table
588	(24C)	ADDRESS	4	GDAAQAT5R64	Address of the subpool 245 address Queue Anchor Table
592	(250)	CHARACTER	16	GDADFEQ5R64	Subpool 245 DFE queue header
				(0)	
592	(250)	ADDRESS	4	GDAADF45R64	Address of the first DFE on the subpool 245 address queue
596	(254)	ADDRESS	4	GDAADL45R64	Address of the last DFE on the subpool 245 address queue
600	(258)	ADDRESS	4	GDASZF45R64	Address of the first DFE on the subpool 245 size queue
604	(25C)	ADDRESS	4	GDASZL45R64	Address of the last DFE on the subpool 245 size queue
608	(260)	CHARACTER	24	GDAEANC5R64	Subpool 245 queue anchors - V31 R64
				(0)	
608	(260)	ADDRESS	4	GDAESQT5R64	Address of the subpool 245 Size Queue Anchor Table
612	(264)	ADDRESS	4	GDAEAQT5R64	Address of the subpool 245 address Queue Anchor Table
616	(268)	CHARACTER	16	GDAEDFE5R64	Subpool 245 DFE queue header
				(0)	
616	(268)	ADDRESS	4	GDAEADF5R64	Address of the first DFE on the subpool 245 address queue
620	(26C)	ADDRESS	4	GDAEADL5R64	Address of the last DFE on the subpool 245 address queue
624	(270)	ADDRESS	4	GDAESZF5R64	Address of the first DFE on the subpool 245 size queue
628	(274)	ADDRESS	4	GDAESZL5R64	Address of the last DFE on the subpool 245 size queue
632	(278)	CHARACTER	24	GDAQANC9R64	Subpool 239 queue anchors V24 R64
				(0)	
632	(278)	ADDRESS	4	GDASQAT9R64	Address of the subpool 239 Size Queue Anchor Table
636	(27C)	ADDRESS	4	GDAAQAT9R64	Address of the subpool 239 address Queue Anchor Table
640	(280)	CHARACTER	16	GDADFEQ9R64	Subpool 239 DFE queue header
				(0)	
640	(280)	ADDRESS	4	GDAADF39R64	Address of the first DFE on the subpool 239 address queue
644	(284)	ADDRESS	4	GDAADL39R64	Address of the last DFE on the subpool 239 address queue
648	(288)	ADDRESS	4	GDASZF39R64	Address of the first DFE on the subpool 239 size queue
652	(28C)	ADDRESS	4	GDASZL39R64	Address of the last DFE on the subpool 239 size queue
656	(290)	CHARACTER	24	GDAEANC9R64	Subpool 239 queue anchors - V31 R64
				(0)	
656	(290)	ADDRESS	4	GDAESQT9R64	Address of the subpool 239 Size Queue Anchor Table
660	(294)	ADDRESS	4	GDAEAQT9R64	Address of the subpool 239 address Queue Anchor Table
664	(298)	CHARACTER	16	GDAEDFE9R64	Subpool 239 DFE queue header
				(0)	
664	(298)	ADDRESS	4	GDAEADF9R64	Address of the first DFE on the subpool 239 address queue
668	(29C)	ADDRESS	4	GDAEADL9R64	Address of the last DFE on the subpool 239 address queue
672	(2A0)	ADDRESS	4	GDAESZF9R64	Address of the first DFE on the subpool 239 size queue
676	(2A4)	ADDRESS	4	GDAESZL9R64	Address of the last DFE on the subpool 239 size queue
680	(2A8)	CHARACTER	24	GDAQANC7R64	Reserved
704	(2C0)	CHARACTER	24	GDAEANC7R64	Subpool 247 queue anchors - V31 R64
				(0)	
704	(2C0)	ADDRESS	4	GDAESQT7R64	Address of the subpool 247 Size Queue Anchor Table
708	(2C4)	ADDRESS	4	GDAEAQT7R64	Address of the subpool 247 address Queue Anchor Table

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
712	(2C8)	CHARACTER	16	GDAEDFE7R64	Subpool 247 DFE queue header
				(0)	
712	(2C8)	ADDRESS	4	GDAEADF7R64	Address of the first DFE on the subpool 247 address queue
716	(2CC)	ADDRESS	4	GDAEADL7R64	Address of the last DFE on the subpool 247 address queue
720	(2D0)	ADDRESS	4	GDAESZF7R64	Address of the first DFE on the subpool 247 size queue
724	(2D4)	ADDRESS	4	GDAESZL7R64	Address of the last DFE on the subpool 247 size queue
728	(2D8)	CHARACTER	24	GDAQANC8R64	Reserved
752	(2F0)	CHARACTER	24	GDAEANC8R64	Subpool 247 queue anchors - V31 R64
				(0)	
752	(2F0)	ADDRESS	4	GDAESQT8R64	Address of the subpool 248 Size Queue Anchor Table
756	(2F4)	ADDRESS	4	GDAEAQT8R64	Address of the subpool 248 address Queue Anchor Table
760	(2F8)	CHARACTER	16	GDAEDFE8R64	Subpool 248 DFE queue header
				(0)	
760	(2F8)	ADDRESS	4	GDAEADF8R64	Address of the first DFE on the subpool 248 address queue
764	(2FC)	ADDRESS	4	GDAEADL8R64	Address of the last DFE on the subpool 248 address queue
768	(300)	ADDRESS	4	GDAESZF8R64	Address of the first DFE on the subpool 248 size queue
772	(304)	ADDRESS	4	GDAESZL8R64	Address of the last DFE on the subpool 248 size queue
776	(308)	CHARACTER	8		RESERVED
784	(310)	CHARACTER	1	GDAEND (0)	IEAIPL04 expects the GDA to be an integral number of double words in length.
784	(310)	X'9000'	0	GDAHISUF_BASE	"36864" SRM CSA/SQA SPACE HIGH THRESHOLD - SUFFICIENT SPACE
784	(310)	X'5000'	0	GDALOSUF_BASE	"20480" SRM CSA/SQA SPACE LOW THRESHOLD - SUFFICIENT SPACE
784	(310)	X'8000'	0	GDAHIINS_BASE	"32768" SRM CSA/SQA SPACE HIGH THRESHOLD - INSUFFICIENT SPACE
784	(310)	X'4000'	0	GDALOINS_BASE	"16384" SRM CSA/SQA SPACE LOW THRESHOLD - INSUFFICIENT SPACE
784	(310)	X'1'	0	GDASJJST	"1" Job start for IGVSJOB. This also includes started tasks, mounts, logons.
784	(310)	X'2'	0	GDASJJND	"2" Job end for IGVSJOB
784	(310)	X'310'	0	GDA_LEN	**_GDA"

GDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GDA	0		GDACSAGQECPADR		
GDA_CSA_ALLOC	1B0			1E8	
GDA_CSA_CONV	1C0		GDACSAGQECPANC		
GDA_ECSA_ALLOC	1B4			1E8	
GDA_ECSA_CONV	1C4		GDACSAGQEPCNT		
GDA_ESQA_ALLOC	1BC			1EC	
GDA_LEN	310	310	GDACSAGQEFCADR		
GDA_SQA_ALLOC	1B8			1F0	
GDAADF26	3C		GDACSAHWM	220	
GDAADF39	EC		GDACSARD	64	
GDAADF39R64	280		GDACSARE	84	
GDAADF45	C		GDACSASZ	70	
GDAADF45R64	250		GDACSATR	D8	8
GDAADL26	40		GDACSATRACKINGLASTOFF		
GDAADL39	F0			208	
GDAADL39R64	284		GDACSATRACKINGLASTON		
GDAADL45	10			204	
GDAADL45R64	254		GDACSATRACKINGTIMESTAMPS		
GDAAQAT5	8			204	
GDAAQAT5R64	24C		GDADETA	D9	80
GDAAQAT6	38		GDADFEQ5	C	
GDAAQAT9	E8		GDADFEQ5R64	250	
GDAAQAT9R64	27C		GDADFEQ6	3C	
GDACAADR	1C8		GDADFEQ9	EC	
GDACAANC	1C8		GDADFEQ9R64	280	
GDACACNT	1CC		GDADGQAT@	1F4	
GDACPAB	BC		GDADOMID_IGV002E		
GDACPADR	B0			214	
GDACPANC	B0		GDADPACT	D9	C0
GDACPCNT	B4		GDAEADF5	24	
GDACSA	6C		GDAEADF5R64	268	
GDACSACV	8C		GDAEADF6	54	
GDACSADR	DC		GDAEADF7	14C	
			GDAEADF7R64	2C8	
			GDAEADF8	17C	
			GDAEADF8R64	2F8	
			GDAEADF9	104	
			GDAEADF9R64	298	

GDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GDAEADL5	28		GDAESZL9	110	
GDAEADL5R64	26C		GDAESZL9R64	2A4	
GDAEADL6	58		GDAFBQCF	64	
GDAEADL7	150		GDAFBQCL	68	
GDAEADL7R64	2CC		GDAFCAAD	1D0	
GDAEADL8	180		GDAFCADR	B8	
GDAEADL8R64	2FC		GDAFCAUB	19C	
GDAEADL9	108		GDAFLAGS0	1A8	
GDAEADL9R64	29C		GDAFLAGS1	1A9	
GDAEANC5	1C		GDAFLAGS2	1AA	
GDAEANC5R64	260		GDAFLAGS3	1AB	
GDAEANC6	4C		GDAFLGS	D8	
GDAEANC7	144		GDAFLGS0	D8	
GDAEANC7R64	2C0		GDAFLGS1	D9	
GDAEANC8	174		GDAFVAAD	1DC	
GDAEANC8R64	2F0		GDAGFSTR	D8	20
GDAEANC9	FC		GDAGQAT_INDEX		
GDAEANC9R64	290			1A4	
GDAEAQT5	20		GDAHIINS	240	
GDAEAQT5R64	264		GDAHIINS_BASE		
GDAEAQT6	50			310	8000
GDAEAQT7	148		GDAHISUF	238	
GDAEAQT7R64	2C4		GDAHISUF_BASE		
GDAEAQT8	178			310	9000
GDAEAQT8R64	2F4		GDAID	0	
GDAEAQT9	100		GDALCAUB	1A0	
GDAEAQT9R64	294		GDALOINS	244	
GDAECRD	74		GDALOINS_BASE		
GDAECSA	7C			310	4000
GDAECSAHWM	224		GDALOSUF	23C	
GDAECSAS	80		GDALOSUF_BASE		
GDAEDFE5	24			310	5000
GDAEDFE5R64	268		GDALOW1	D8	80
GDAEDFE6	54		GDALOW2	D8	40
GDAEDFE7	14C		GDANOCADUMPTIMESTAMPH		
GDAEDFE7R64	2C8			230	
GDAEDFE8	17C		GDANONFM	11C	
GDAEDFE8R64	2F8		GDANOSQADUMPTIMESTAMPH		
GDAEDFE9	104			234	
GDAEDFE9R64	298		GDAPGT	124	
GDAEFBCF	74		GDAPGTAD	124	
GDAEFBCL	78		GDAPGTSZ	128	
GDAEND	310		GDAPPDFX	118	
GDAEPVT	A8		GDAPDPG	114	
GDAEPVTS	AC		GDAPROTA	D9	40
GDAESQA	98		GDAPVT	A0	
GDAESQAHWM	21C		GDAPVTSZ	A4	
GDAESQAS	9C		GDAQANC5	4	
GDAESQT5	1C		GDAQANC5R64	248	
GDAESQT5R64	260		GDAQANC6	34	
GDAESQT6	4C		GDAQANC7	12C	
GDAESQT7	144		GDAQANC7R64	2A8	
GDAESQT7R64	2C0		GDAQANC8	15C	
GDAESQT8	174		GDAQANC8R64	2D8	
GDAESQT8R64	2F0		GDAQANC9	E4	
GDAESQT9	FC		GDAQANC9R64	278	
GDAESQT9R64	290		GDARGR	D0	
GDAESTSZ	190		GDASCAUB	194	
GDAESZF5	2C		GDASJJND	310	2
GDAESZF5R64	270		GDASJJST	310	1
GDAESZF6	5C		GDASJOB@	1E0	
GDAESZF7	154		GDASM	11C	
GDAESZF7R64	2D0		GDASMAD	11C	
GDAESZF8	184		GDASMSZ	120	
GDAESZF8R64	300		GDASPT	88	
GDAESZF9	10C		GDASPTT	D4	
GDAESZF9R64	2A0		GDASQA	90	
GDAESZL5	30		GDASQAGQECPADR		
GDAESZL5R64	274			1F8	
GDAESZL6	60		GDASQAGQECPANC		
GDAESZL7	158			1F8	
GDAESZL7R64	2D4		GDASQAGQECPCNT		
GDAESZL8	188			1FC	
GDAESZL8R64	304		GDASQAGQECFCADR		

Name	Hex Offset	Hex Value
	200	
GDASQAHWM	218	
GDASQAOK	D8	10
GDASQASZ	94	
GDASQATR	D8	4
GDASQATRACKINGLASTOFF		
	210	
GDASQATRACKINGLASTON		
	20C	
GDASQATRACKINGTIMESTAMPS		
	20C	
GDASQAT5	4	
GDASQAT5R64	248	
GDASQAT6	34	
GDASQAT9	E4	
GDASQAT9R64	278	
GDASTTC	D8	2
GDASYVAB	1E4	
GDASZF26	44	
GDASZF39	F4	
GDASZF39R64	288	
GDASZF45	14	
GDASZF45R64	258	
GDASZL26	48	
GDASZL39	F8	
GDASZL39R64	28C	
GDASZL45	18	
GDASZL45R64	25C	
GDATOTALCSAHWM		
	228	
GDATOTALCSAHWM		
	22C	
GDATRAC	18C	
GDATRACKINGCLEANEDUP		
	1A8	40
GDATRACKINGPERMANENTLYOFF		
	1A8	80
GDATRACKINGTIMESTAMPS		
	204	
GDAUCAUB	198	
GDAUKCSA	D8	1
GDAVAADR	1D4	
GDAVAANC	1D4	
GDAVACNT	1D8	
GDAVR	C0	
GDAVREGS	C8	
GDAVRSZ	C4	
GDAWRKA	CC	
GDAWRKAP	E0	
PASIZE	A4	
PASTRT	A0	

GRPL Information

GRPL Heading Information

Common Name: VSM Getregion Parameter List
Macro ID: IGVGRPL
DSECT Name: IGVGRPL
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245
 Key: 0
Size: 24 bytes
Created by: IGVGRRGN, IGVGVGRN
Serialization: None
Function: Interface between VSM GET/FREE REGION routines

GRPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	GRPL	FRR PARAMETER LIST FOR GET REAL OR VIRTUAL REGION
0	(0)	ADDRESS	4	GRPLGCD	CODE REGISTER
4	(4)	ADDRESS	4	GRPLGWK	DYNAMIC AREA ADDRESS
8	(8)	ADDRESS	4	GRPLCWK	CALLED ROUTINE DYNAMIC AREA ADDRESS
12	(C)	ADDRESS	4	GRPLRSMP	ADDRESS OF RSM PARM LIST
16	(10)	SIGNED	2	GRPLGSZ	GET REGION DYNAMIC AREA SIZE
18	(12)	SIGNED	2	GRPLCSZ	CALLED ROUTINE DYNAMIC AREA SIZE
20	(14)	BITSTRING	1	GRPLFOOT	FOOTPRINT INDICATORS
		1.. .		GRPLFVRG	1=> IN IGVFVRGN
		.1. .		GRPLFRRG	1=> IN IGVFRRGN
		..1. .		GRPLIGVL	1=> IN IGVLIMIT
		...1 .		GRPLIEAL	1=> IN IEALIMIT
		.... 1..		GRPLDAQA	1=> IN IGVDAQAT
		.... .111		*	UNUSED
21	(15)	BITSTRING	1	GRPLPROC	PROCESSING BITS
		1.. .		GRPLPERC	1=> FORCE PERCOLATION OF ABEND
		.1. .		GRPLRCUR	1=> RECOVERY HAS BEEN ENTERED
		..1. .		GRPLRSM	1=> RSM HAS BEEN CALLED
		...1 .		GRPLVVSP	1=> V=V SPACE HAS BEEN ENTIRELY REMOVED FROM THE RD
		.... 1..		GRPLEOTF	SAVEAREA FOR TCBEOTFM BIT SETTING
		.... .111		*	UNUSED

GRPL Cross Reference

Name	Hex Offset	Hex Value
GRPL	0	
GRPLCSZ	12	
GRPLCWK	8	
GRPLDAQA	14	08
GRPLEOTF	15	08
GRPLFOOT	14	
GRPLFRRG	14	40
GRPLFVRG	14	80
GRPLGCD	0	
GRPLGSZ	10	
GRPLGWK	4	
GRPLIEAL	14	10
GRPLIGVL	14	20
GRPLPERC	15	80
GRPLPROC	15	
GRPLRCUR	15	40
GRPLRSM	15	20
GRPLRSMP	C	
GRPLVVSP	15	10

GSDA Information

GSDA Heading Information

Common Name: Global System Duplex Area
Macro ID: IHAGSDA
DSECT Name: GSDA
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Residency: Nucleus resident
Size: Offset of GSDAEND minus the offset of GSDA.
Created by: IEAVGSDA
Pointed to by: CVTGSDA
Serialization: By IPL/NIP. The GSDA is filled in by NIP and not modified after module IEAVNP09 is executed.
Function: Provide duplex area for critical system pointers.

GSDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	512	GSDA	
0	(0)	ADDRESS	4	GSDAASVT	ASVT DUPLEXED ADDRESS
4	(4)	ADDRESS	4	GSDAPCCT	PCCAT DUPLEXED ADDRESS
8	(8)	ADDRESS	4	GSDAGDA	GDA DUPLEXED ADDRESS
12	(C)	ADDRESS	4	GSDACSD	CSD DUPLEXED ADDRESS
16	(10)	ADDRESS	4	GSDALCCT	LCCAT DUPLEXED ADDRESS
20	(14)	SIGNED	4	GSDAMAX	MAXUSER VALUE DUPLEX AREA
20	(14)	SIGNED	2	*	NOT USED.
22	(16)	SIGNED	2	GSDAMAXU	MAXUSER DUPLEX AREA
24	(18)	SIGNED	2	GSDASTRT	NUMBER OF ASVT SLOTS RESERVED FOR START/SASI ADDRESS SPACES. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NIP RIM PROCESS.
26	(1A)	SIGNED	2	GSDANONR	NUMBER OF ASVT SLOTS RESERVED TO REPLACE NON- REUSABLE ASIDS. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NIP RIM PROCESS.

Comment

THE FOLLOWING FIELDS DUPLEX SVT FIELDS

End of Comment

28	(1C)	ADDRESS	4	GSDAENTY	SVTOENTY DUPLEXED ADDRESS.
32	(20)	ADDRESS	4	GSDASTKN	SVTSTKN DUPLEXED ADDRESS.
36	(24)	ADDRESS	4	GSDASTKE	SVTSTKNE DUPLEXED ADDRESS.
40	(28)	ADDRESS	4	GSDANALD	SVTNALD DUPLEXED ADDRESS.
44	(2C)	ADDRESS	4	GSDANALV	SVTNALV DUPLEXED ADDRESS.
48	(30)	ADDRESS	4	GSDASWUQ	SVTSWUQ DUPLEXED ADDRESS. SERIALIZATION: DISABLEMENT OWNERSHIP: SUPERVISOR CONTROL
52	(34)	ADDRESS	4	GSDALSCO	SVTLSCO duplexed address.

Comment

THE FOLLOWING FIELDS DUPLEX PSA FIELDS

End of Comment

56	(38)	CHARACTER	8	*	Unused 2@LID
64	(40)	CHARACTER	48	GSDAATLK	PSADATLK duplexed value. Note that the contents of PSADATLK is defined in IEAVFX00.
112	(70)	ADDRESS	4	GSDAATOF	PSADATOF duplexed addr. Note that the contents of PSADATOF is initialized by IEAIPL02 using IEAVEDAT. (LNKGBASE points to IEAVEDAT.)
116	(74)	SIGNED	4	GSDAATLN	PSADATLN duplexed value. Note that the contents of PSADATLN is initialized by IEAIPL02 using IEAVEDAT. (LNKGBASE points to IEAVEDAT.)
120	(78)	CHARACTER	4	*	Reserved

Comment

THE FOLLOWING FIELDS DUPLEX PSAX FIELDS

End of Comment

124	(7C)	CHARACTER	64	GSDAXDATLK	PSAXDATLK duplexed value. Note that the contents of PSAXDATLK is defined in IEAVFX00.
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GSDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
188	(BC)	ADDRESS	4	GSDAXDATOF	PSAXDATOF duplexed addr. Note that the contents of PSAXDATOF is initialized by IEAIPL02 using IEAVEDAT. (LNKGBASE points to IEAVEDAT.)
192	(C0)	SIGNED	4	GSDAXDATLN	PSAXDATLN duplexed value. Note that the contents of PSAXDATLN is initialized by IEAIPL02 using IEAVEDAT. (LNKGBASE points to IEAVEDAT.)
196	(C4)	CHARACTER 1111 11.. .... ..1. .... ..1	1	GSDAARCH * GSDAEMAME GSDAESAME	
197	(C5)	CHARACTER	1	GSDAPSAMISCF	PSAMISCF
198	(C6)	CHARACTER	1	GSDACVTFLAG5	CVTFLAG5
199	(C7)	CHARACTER	1	*	Reserved
200	(C8)	CHARACTER	8	GSDA_CR0EMASKOFFEXTINT	Copy of PSA_CR0EMaskOffExtInt
200	(C8)	CHARACTER	4	GSDA_CR0EMASKOFFEXTINT_HW	High word
204	(CC)	CHARACTER	4	GSDA_CR0EMASKOFFEXTINT_LW	Low word
208	(D0)	CHARACTER	8	GSDA_CR0EMASKONEXTINT	Copy of PSA_CR0EMaskOnExtInt
208	(D0)	CHARACTER	4	GSDA_CR0EMASKONEXTINT_HW	High word
212	(D4)	CHARACTER	4	GSDA_CR0EMASKONEXTINT_LW	Low word
216	(D8)	CHARACTER	4	*	Reserved 8@LCD
220	(DC)	ADDRESS	4	GSDALCCXVT	Address of LCCXVT
224	(E0)	UNSIGNED	4	GSDASVTLEIGA	Initial Guardpage Addr
228	(E4)	SIGNED	4	GSDAPSASTOR	Copy of PsaSTOR
232	(E8)	ADDRESS	4	GSDAASWUQ	Duplexes SVTASWUQ
236	(EC)	ADDRESS	4	GSDASSWUQ	Duplexes SVTSSWUQ
240	(F0)	ADDRESS	4	GSDAAWUQ	Duplexes SVTAWUQ
244	(F4)	ADDRESS	4	GSDAZ1	Duplexes SvtZ1
248	(F8)	CHARACTER	16	GSDAFACL	PSAFACL duplexed value.
264	(108)	ADDRESS	4	GSDACPUD	Pointer to cpu dependent
268	(10C)	UNSIGNED	4	GSDATYPE5PCTG	
272	(110)	CHARACTER	48	GSDAR110	Reserved
272	(110)	BITSTRING	16	GSDA_BYLPAR_CPMASK_OLD	Duplexes CSD_ByLPAR_CP_MASK
288	(120)	BITSTRING	16	GSDA_BYLPAR_ZAAPMASK_OLD	Duplexes CSD_ByLPAR_IFA_MASK
288	(120)	BITSTRING	16	GSDA_BYLPAR_IFAMASK_OLD	Duplexes CSD_ByLPAR_IFA_MASK
304	(130)	BITSTRING	16	GSDA_BYLPAR_ZIIPMASK_OLD	Duplexes CSD_ByLPAR_zIIP_MASK
320	(140)	ADDRESS	4	GSDARNALD	SVTRNALD duplexed address
324	(144)	ADDRESS	4	GSDARNALV	SVTRNALV duplexed address
328	(148)	CHARACTER	40	GSDAR148	Reserved
368	(170)	SIGNED	2	GSDASVTPROMOTETRIGGER	
370	(172)	SIGNED	2	GSDASVTTURNONPROMOTIONTRIGGER	
372	(174)	SIGNED	2	GSDASVTINITIALPROMOTIONCOUNT	
374	(176)	CHARACTER	2	*	Reserved
376	(178)	ADDRESS	4	GSDA_BYLPAR_CPMASK_ADDR	Pointer to storage that duplexes mask pointed to by CSD_BYLPAR_CP_MASK_ADDR
380	(17C)	ADDRESS	4	GSDA_BYLPAR_ZAAPMASK_ADDR	Pointer to storage that duplexes mask pointed to by CSD_BYLPAR_ZAAP_MASK_ADDR
384	(180)	ADDRESS	4	GSDA_BYLPAR_ZIIPMASK_ADDR	Pointer to storage that duplexes mask pointed to by CSD_BYLPAR_ZIIP_MASK_ADDR
388	(184)	UNSIGNED	2	GSDA_MAXMP	The maximum CPU id that can be defined for the life of the IPL
390	(186)	UNSIGNED	2	GSDA_IPLMAXAFFINITYINDEX	The maximum affinity index for the life of the IPL
392	(188)	CHARACTER	20	GSDA_DIAG188	Reserved for IBM use
412	(19C)	CHARACTER	100	GSDAR19C	Reserved
512	(200)	CHARACTER	0	*	ASSURE DWORD ALIGNED

GSDA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GSDA	0			172	
GSDA_BYLPAR_CPMASK_ADDR	178		GSDASWUQ	30	
GSDA_BYLPAR_CPMASK_OLD	110		GSDATYPE5PCTG	10C	
GSDA_BYLPAR_IFAMASK_OLD	120		GSDAXDATLK	7C	
GSDA_BYLPAR_ZAAPMASK_ADDR	17C		GSDAXDATLN	C0	
GSDA_BYLPAR_ZAAPMASK_OLD	120		GSDAXDATOF	BC	
GSDA_BYLPAR_ZIIPMASK_ADDR	180		GSDAZ1	F4	
GSDA_BYLPAR_ZIIPMASK_OLD	130				
GSDA_CR0EMASKOFFEXTINT	C8				
GSDA_CR0EMASKOFFEXTINT_HW	C8				
GSDA_CR0EMASKOFFEXTINT_LW	CC				
GSDA_CR0EMASKONEXTINT	D0				
GSDA_CR0EMASKONEXTINT_HW	D0				
GSDA_CR0EMASKONEXTINT_LW	D4				
GSDA_DIAG188	188				
GSDA_IPLMAXAFFINITYINDEX	186				
GSDA_MAXMP	184				
GSDAARCH	C4				
GSDAASVT	0				
GSDAASWUQ	E8				
GSDAATLK	40				
GSDAATLN	74				
GSDAATOF	70				
GSDAAWUQ	F0				
GSDACPUD	108				
GSDACSD	C				
GSDACVTFLAG5	C6				
GSDAEMAME	C4	02			
GSDAENTY	1C				
GSDAESAME	C4	01			
GSDAFACL	F8				
GSDAGDA	8				
GSDALCCT	10				
GSDALCCXVT	DC				
GSDALSCO	34				
GSDAMAX	14				
GSDAMAXU	16				
GSDANALD	28				
GSDANALV	2C				
GSDANONR	1A				
GSDAPCCT	4				
GSDAPSAMISCF	C5				
GSDAPSASTOR	E4				
GSDARNALD	140				
GSDARNALV	144				
GSDAR110	110				
GSDAR148	148				
GSDAR19C	19C				
GSDASSWUQ	EC				
GSDASTKE	24				
GSDASTKN	20				
GSDASTRT	18				
GSDASVTINITIALPROMOTIONCOUNT	174				
GSDASVTLEIGA	E0				
GSDASVTPROMOTETRIGGER	170				
GSDASVTURNONPROMOTIONTRIGGER					

GTD Information

GTD Heading Information

Common Name:	GTF DATA IN TRACE DATA SET RECORDS.
Macro ID:	AHLZGTD.
DSECT Name:	GTD - COMMON GTF TRACE DATA. GTDU - GTF USER TRACE DATA. THE GTF RECORDS ARE DESCRIBED BY AHLZGTW. DEPENDING ON THE FORMAT OF THE GTF RECORDS, THE GTD DSECT BEGINS AT SEVERAL DIFFERENT OFFSETS IN THE RECORD. GTDU SHOULD BEGIN AT THE SAME PLACE AS GTD. ACCESS UNDER PL/AS: The GTF data structure GTD has a macro variable GTD_BASE that defines its basing. The default basing of GTD is GTD BASED The GTF records are mapped by AHLZGTW. Depending on the format of the GTF records, GTD can begin at several different places in the record. To use the default basing and map GTD at more than one place in the same program, code %INCLUDE SYSLIB(AHLZGTW) %INCLUDE SYSLIB(AHLZGTD) ... RFY GTD BASED(ADDR(GTWDEND1)) ... RFY GTD BASED(ADDR(GTWDEND2)) For a mapping of GTD beginning at AHLZGTD and not redefinable as beginning anywhere else: %INCLUDE SYSLIB(AHLZGTW) %GTD_BASE = 'DEFINED(GTWDEND1)' %INCLUDE SYSLIB(AHLZGTD) For a mapping of GTD based on GTDPTR: %GTD_BASE = 'BASED(GTDPTR)' %INCLUDE SYSLIB(AHLZGTD) DCL GTDPTR PTR For an unbased mapping of GTD: %GTD_BASE = 'AUTOMATIC' (or 'STATIC') %INCLUDE SYSLIB(AHLZGTD) Note: If a structure is declared as DEFINED on a field in a second structure, then explicit pointer notation for the DEFINED structure refers to the beginning of the second structure, not the DEFINED one.
Owning Component:	GENERALIZED TRACE FACILITY (SC111)
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:	SEE ASSEMBLER LISTING.
Created by:	THE TRACE WRITER.
Pointed to by:	(NOT APPLICABLE)
Serialization:	NONE.
Function:	AHLZGTD DESCRIBES THE STRUCTURE OF THE GTF DATA PART OF THE DATA RECORDS IN A GTF DATA SET. IT DEFINES GTD, THE COMMON PART OF THE DATA, AND FIELDS FOR SOME INDIVIDUAL RECORD TYPES.

GTD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	GTD	GTF trace data.
0	(0)	ADDRESS	4	GTDASCB	For most records, an ASCB address.
4	(4)	UNSIGNED	2	GTDCPU	For most records, a CPU address.
6	(6)	CHARACTER	8	GTDJOB	For most records, a job name.
6	(6)	CHARACTER	8	GTDPSTW	For some records, a program status word.
14	(E)	UNSIGNED	2	GTDDEV	For many trace records, a device address.
16	(10)	CHARACTER	0	GTDEND	The rest of the record.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GTDU	User trace record fields.
0	(0)	CHARACTER	4	GTDUASCB	The address of the ASCB.
4	(4)	CHARACTER	8	GTDUJOB	The job name.
12	(C)	CHARACTER	*	GTUDATA	The user-supplied trace data.

GTD Cross Reference

GTD Cross Reference

Name	Hex Offset	Hex Value
GTD	0	
GTDASCB	0	
GTDCPU	4	
GTDDEV	E	
GTDEND	10	
GTDJOB	6	
GTDPSW	6	
GTDU	0	
GTDUASCB	0	
GTUDATA	C	
GTUJOB	4	

GTO Information

GTO Programming Interface information

Programming Interface information

GTO

End of Programming Interface information

GTO Heading Information • GTO Map

GTO Heading Information

Common Name: GTF TRACE OPTIONS MAPPING.
Macro ID: AHLZGTO.
DSECT Name: GTO
Owning Component: GENERALIZED TRACE FACILITY (SC111).
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: N/A
 Key: N/A
 Residency: N/A
Size: VARIABLE.
Created by: THE TRACE WRITER AND THE COPYTRC IPCS SUBCOMMAND.
Pointed to by: (NOT APPLICABLE)
Serialization: NONE.
Function: AHLZGTO DESCRIBES THE GTF OPTIONS IN THE CONTROL RECORDS IN THE GTF TRACE DATA SET. IT DEFINES THE FOLLOWING STRUCTURE:
 GTO - THE GTF OPTIONS.

GTO Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	GTO	- THE GTF TRACE OPTIONS.	
0	(0)	BITSTRING	1	GTOBYTE0		
		1...		GTOSSYSM	"BIT0" SYSM - RECORDS MINIMAL DATA FOR SYSTEM EVENTS. - RECORDS EVENTS AS IF EACH OF THE FOLLOWING OPTIONS IS SPECIFIED, EXCEPT THAT MINIMAL TRACE DATA IS RECORDED: EXT, PI, SVC AND RR. - RECORDS EVENTS AS IF EACH OF THE FOLLOWING OPTIONS IS SPECIFIED: IO, SSCH, CSCH, HSCH, MSCH, AND XSCH. - IF ANY OF THE FOLLOWING OPTIONS ARE SPECIFIED CAUSES MINIMAL RECORDING TO BE DONE FOR THEM: DSP, RNIO AND SRM. - THE FOLLOWING OPTIONS ARE IGNORED: EXT, PI, SVC, RR, IO, SSCH, CSCH, HSCH, MSCH, AND XSCH.	
		.1..		GTOSSYSP	"BIT1" SYSP - RECORDS COMPREHENSIVE TRACE DATA FOR SYSTEM EVENTS, WITH PROMPTING. - GTF PROMPTS THE OPERATOR FOR THE ONLY PI, SVC, IO AND SSCH EVENTS THAT WILL HAVE DATA RECORDED. - OTHERWISE, GTF RECORDS THE SAME EVENTS AS THOSE RECORDED BY SYS. - GTF IGNORES THE FOLLOWING OPTIONS: EXT, PI, SVC, RR, IO, SSCH, CSCH, HSCH, MSCH, AND XSCH.	
		..1.		GTOSSYS	"BIT2" SYS - RECORDS COMPREHENSIVE TRACE DATA FOR SYSTEM EVENTS. - RECORDS EVENTS AS IF EACH OF THE FOLLOWING OPTIONS IS SPECIFIED: EXT, PI, SVC, RR, IO, SSCH, CSCH, HSCH AND MSCH. - THE FOLLOWING OPTIONS ARE IGNORED: EXT, PI, SVC, RR, IO, SSCH, CSCH, HSCH, MSCH, AND XSCH.	
		...1		GTOUSR	"BIT3" USR - RECORDS ALL USER TRACE DATA PASSED TO GTF BY THE GTRACE MACRO.	
		.... 1..		GTOTRC	"BIT4" TRC - RECORDS EVENTS ASSOCIATED WITH GTF ITSELF. THIS CAUSES TRACING ONLY WHEN AT LEAST ONE OTHER TYPE OF EVENT IS BEING TRACED.	
		.... .1..		GTODSP	"BIT5" DSP - RECORDS DISPATCHER EVENTS. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA.	
		.... ...1		GTOPCI	"BIT7" PCI - RECORDS I/O INTERRUPTIONS THAT INDICATE INTERMEDIATE STATUS. THESE INCLUDE PROGRAM-CONTROLLED INTERRUPTIONS (PCIS), INITIAL STATUS REQUEST INTERRUPTIONS, AND RESUME AND SUSPEND CHANNEL PROGRAM INTERRUPTIONS. - WHEN IOP SPECIFIES PARTICULAR DEVICES, PCI APPLIES ONLY TO THEM. - PCI CAUSES TRACING ONLY WHEN ONE OF THE FOLLOWING IS ALSO SPECIFIED: IO, IOP, SYS, SYSM, SYSP.	
1	(1)	BITSTRING	1	GTOBYTE1		
		1...		GTOSSVC	"BIT0" SVC - RECORDS SUPERVISOR CALL INTERRUPTIONS. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA.	
		.1..		GTOSSVCP	"BIT1" SVCP - LIKE SVC, BUT GTF PROMPTS THE OPERATOR FOR THE ONLY SVC NUMBERS THAT WILL HAVE DATA RECORDED.	
		..1.		GTOSSIO	"BIT2" SIO - RECORDS START I/O OPERATIONS - EQUIVALENT TO SSCH.	
		...1		GTOSSIOPI	"BIT3" SIOP - SIO WITH PROMPTING - EQUIVALENT TO SSCHP.	
		.... 1..		GTOPI	"BIT4" PI - RECORDS PROGRAM INTERRUPTIONS. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA.	
		.... .1..		GTOPIPI	"BIT5" PIP - LIKE PI, BUT GTF PROMPTS THE OPERATOR FOR THE ONLY PROGRAM INTERRUPTION CODES THAT WILL HAVE DATA RECORDED.	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..1.		GTOIO	"BIT6" IO - RECORDS I/O INTERRUPTIONS. GTF DOES NOT RECORD INTERMEDIATE-STATUS INTERRUPTIONS UNLESS PCI IS ALSO SPECIFIED.
		.... ...1		GTOIOP	"BIT7" IOP - LIKE IO, BUT GTF PROMPTS THE OPERATOR FOR THE ONLY DEVICES THAT WILL HAVE DATA RECORDED.
2	(2)	BITSTRING 1...	1	GTOBYTE2 GTOEXT	"BIT0" EXT - RECORDS EXTERNAL INTERRUPTIONS. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA.
		.1..		GTORNIO	"BIT1" RNIO - RECORDS VTAM (REMOTE NETWORK) ACTIVITY. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA. THIS CAUSES TRACING ONLY WHEN VTAM TRACING IS ACTIVE.
		..1.		GTOSRM	"BIT2" SRM - RECORDS CALLS TO THE SYSTEM RESOURCE MANAGER. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA.
		...1		GTORR	"BIT3" RR - RECORDS DATA ASSOCIATED WITH RECOVERY ROUTINES, SUCH AS ESTAES AND STAES. IF SYSM IS ALSO SPECIFIED, GTF RECORDS MINIMAL TRACE DATA. OTHERWISE, GTF RECORDS COMPREHENSIVE TRACE DATA.
		.... 1..		GTOSLIP	"BIT4" SLIP - RECORDS SLIP TRAP DATA.
		.... ..1.		GTOCCW	"BIT5" CCW - RECORDS CHANNEL PROGRAM DATA. THIS CAUSES TRACING ONLY WHEN ONE OF THE FOLLOWING OPTIONS IS SPECIFIED: SSCH, SSCHP, IO, OR IOP.
		.... ..1.		GTOCCWP	"BIT6" CCWP - LIKE CCW, BUT GTF WILL PROMPT THE OPERATOR FOR THE FOLLOWING INFORMATION: WHETHER TO TRACE DATA FOR SSCH OPERATIONS OR I/O INTERRUPTIONS OR BOTH, THE MAXIMUM NUMBER OF CCWS PER EVENT, THE MAXIMUM NUMBER OF DATA BYTES PER CCW, WHETHER TO TRACE IOSB AND EWA DATA (THESE ARE MVS CONTROL BLOCKS ASSOCIATED WITH I/O), AND THE SIZE OF THE PCI TABLE.
		.... ...1		GTOISIO	"BIT7" THE DEVICES TRACED SELECTIVELY FOR IO AND SIO ARE IDENTICAL.
3	(3)	BITSTRING 1...	1	GTOBYTE3 GTOCCWI	"BIT0" CCW=I - RECORDS CHANNEL PROGRAM DATA FOR I/O INTERRUPTIONS. THIS CAUSES TRACING ONLY WHEN IO OR IOP IS SPECIFIED.
		.1..		GTOCCWS	"BIT1" CCW=S - RECORDS CHANNEL PROGRAM DATA FOR START SUBCHANNEL AND RESUME SUBCHANNEL OPERATIONS. THIS CAUSES TRACING ONLY WHEN SSCH OR SSCHP IS SPECIFIED.
		..1.		GTOJOBP	"BIT2" JOBNAMEP - LIMITS ALL TRACING TO THE JOBS SPECIFIED. GTF PROMPTS THE OPERATOR FOR THE ONLY JOBS THAT WILL HAVE DATA RECORDED.
		...1		GTOASIDP	"BIT3" ASIDP - LIMITS ALL TRACING TO THE ADDRESS SPACE IDENTIFIERS (ASIDS) SPECIFIED. GTF PROMPTS THE OPERATOR FOR THE ONLY ASIDS THAT WILL HAVE DATA RECORDED.
		.... 1..		GTOUSR	"BIT4" USRP - USR WITH PROMPTING. GTF PROMPTS THE OPERATOR FOR THE ONLY USER EVENTS THAT WILL HAVE DATA RECORDED.
		.... ...1		GTOTIME	"BIT7" TIME STAMPS APPEAR IN GTF TRACE DATA RECORDS. THIS IS ALWAYS 1.
4	(4)	BITSTRING 1...	1	GTOBYTE4 GTOSSCH	"BIT0" SSCH - RECORDS START SUBCHANNEL AND RESUME SUBCHANNEL OPERATIONS.
		.1..		GTOSSCHP	"BIT1" SSCHP - SSCH WITH PROMPTING. GTF PROMPTS THE OPERATOR FOR THE ONLY DEVICES THAT WILL HAVE DATA RECORDED.
		..1.		GTOMSCH	"BIT2" MSCH - RECORDS MODIFY SUBCHANNEL OPERATIONS.
		...1		GTOHSCH	"BIT3" HSCH - RECORDS HALT SUBCHANNEL OPERATIONS.
		.... 1..		GTOCSCH	"BIT4" CSCH - RECORDS CLEAR SUBCHANNEL OPERATIONS.
		.... ..1.		GTOXSCH	"BIT5" XSCH - RECORDS CANCEL SUBCHANNEL OPERATIONS.
		.... ...1		GTOISSCH	"BIT7" THE DEVICES TRACED SELECTIVELY FOR IO AND SSCH ARE IDENTICAL.
5	(5)	BITSTRING	1	GTOBYTE5	RESERVED.
6	(6)	BITSTRING	1	GTOBYTE6	RESERVED.
7	(7)	BITSTRING	1	GTOBYTE7	RESERVED.

GTO Cross Reference

GTO Cross Reference

Name	Hex Offset	Hex Value
GTO	0	
GTOASIDP	3	10
GTOBYTE0	0	
GTOBYTE1	1	
GTOBYTE2	2	
GTOBYTE3	3	
GTOBYTE4	4	
GTOBYTE5	5	
GTOBYTE6	6	
GTOBYTE7	7	
GTOCCW	2	4
GTOCCWI	3	80
GTOCCWP	2	2
GTOCCWS	3	40
GTOCSCH	4	8
GTODSP	0	4
GTOEXT	2	80
GTOHSCH	4	10
GTOIO	1	2
GTOIOP	1	1
GTOISIO	2	1
GTOISSCH	4	1
GTOJOBP	3	20
GTOMSCH	4	20
GTOPCI	0	1
GTOPI	1	8
GTOPIP	1	4
GTORNIO	2	40
GTORR	2	10
GTOSIO	1	20
GTOSIOP	1	10
GTOSLIP	2	8
GTOSRM	2	20
GTOSSCH	4	80
GTOSSCHP	4	40
GTO SVC	1	80
GTO SVCP	1	40
GTOSYS	0	20
GTOSYSM	0	80
GTOSYSP	0	40
GTOTIME	3	1
GTOTRC	0	8
GTOUSR	0	10
GTOUSRP	3	8
GTOXSCH	4	4

GTS Information

GTS Programming Interface information

Programming Interface information

GTS

End of Programming Interface information

GTS Heading Information • GTS Cross Reference

GTS Heading Information

Common Name: GENERALIZED TRACE DATA SOURCE DESCRIPTOR.
Macro ID: AHLZGTS.
DSECT Name: GTS
Owning Component: GTF (SC111)
Eye-Catcher ID: GTS
 Offset: 0
 Length: 4
Storage Attributes: Subpool: n/a
 Key: n/a
Size: 64
Created by: THE TRACE WRITER.
Pointed to by: n/a
Serialization: NONE.
Function: AHLZGTS MAPS A TRACE SOURCE DESCRIPTOR. IT CONTAINS A REPRESENTATION OF THE SYSTEM THAT RECORDED THE DATA AND THE TRACE OPTIONS IN EFFECT WHEN THE DATA WAS RECORDED.

GTS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTS	- TRACE SOURCE DESCRIPTOR.
0	(0)	CHARACTER	4	GTSID	IDENTIFIER 'GTS '.
0	(0)	X'E3E240'	0	GTSIDV	"C'GTS "' VALUE FOR GTSID. USE "DC AL4(GTSIDV)" TO DEFINE A FIELD FOR COMPARING GTSID TO.
4	(4)	SIGNED	1	GTSVERS	VERSION NUMBER.
4	(4)	X'1'	0	GTSVERSV	"1" VALUE FOR GTSVERS. 1=HBB4410.
5	(5)	SIGNED	1	GTSFMT	FORMAT OF THIS GTS (MUST BE 0).
6	(6)	SIGNED	1	GTSLEN	LENGTH OF THIS GTS.
7	(7)	CHARACTER	1		RESERVED.
8	(8)	CHARACTER	8	GTSREL	RELEASE LEVEL OF THE SYSTEM.
16	(10)	CHARACTER	8	GTSFMID	FMID OF THE SYSTEM.
24	(18)	CHARACTER	8	GTSSNAME	GTS SYSTEM NAME.
32	(20)	CHARACTER	8	GTSCPUID	CPU ID OF THE SYSTEM. THE CPU ADDRESS HAS BEEN SET TO 0.
40	(28)	CHARACTER	8	GTSLSO	LEAP YEAR SECOND VALUE FROM CVT.
48	(30)	CHARACTER	8	GTSLDTO	LOCAL TIME OFFSET FROM CVT.
56	(38)	CHARACTER	8	GTSOPTS	GTF OPTIONS IN EFFECT.
64	(40)	CHARACTER	1	(0)	END OF GTS.

GTS Cross Reference

Name	Hex Offset	Hex Value
GTS	0	
GTSCPUID	20	
GTSFMID	10	
GTSFMT	5	
GTSID	0	
GTSIDV	0	E3E240
GTSLDTO	30	
GTSLEN	6	
GTSLSO	28	
GTSOPTS	38	
GTSREL	8	
GTSSNAME	18	
GTSVERS	4	
GTSVERSV	4	1

GTW Information

GTW Heading Information

Common Name: GENERALIZED TRACE WRITER DATA.
Macro ID: AHLZGTW.
DSECT Name: GTWB - TRACE DATA BLOCK. GTW - TRACE OUTPUT RECORD. GTWC - TRACE CONTROL RECORD. GTWD - TRACE DATA RECORD. GTWL - TRACE LOST DATA RECORD.
Owning Component: GENERALIZED TRACE FACILITY (SC111)
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: VARIABLE.
Created by: THE TRACE WRITER AND THE COPYTRC IPCS SUBCOMMAND.
Pointed to by: (NOT APPLICABLE)
Serialization: NONE.
Function: AHLZGTW DESCRIBES THE STRUCTURE OF THE DIFFERENT KINDS OF RECORD WRITTEN TO DATA SETS BY THE TRACE WRITER. IT DEFINES THE FOLLOWING STRUCTURES:

GTW Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	GTWB	An output block of trace data.
0	(0)	UNSIGNED	2	GTWBLN	The length of the entire block (required by data management).
2	(2)	CHARACTER	2	*	Reserved (data management requires that this be 0).
4	(4)	CHARACTER	0	GTWBRECS	Trace output records, mapped by GTW.
4	(4)	CHARACTER	0	GTWBCNTL	The control record that each block must begin with. It is followed by one or more data and lost data records.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	6	GTW	A trace output data record.
0	(0)	SIGNED	2	GTWLEN	The length of the record (required by data management).
2	(2)	CHARACTER	2	*	Reserved (data management requires that this be 0).
4	(4)	CHARACTER	1	GTWAID	The trace application identifier (AID) for this record. See the constants GTWxxxx declared below for the possible values of this field.
5	(5)	CHARACTER	1	GTWFID	The trace format identifier for this record.
6	(6)	CHARACTER	0	GTWVAR	The rest of the record. This varies, depending on the value of GTWAID. If this is a control or lost data record, it also depends on GTWFID.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	GTWC	A trace output control record.
0	(0)	CHARACTER	6	GTWCI	The initial portion, mapped by GTW.
6	(6)	CHARACTER	4	GTWCZONE	The time zone for all the records in this block. It is expected that all the trace records in a single data set or in a collection of data sets to be merged will have the same time zone. If this block contains records that have been merged from different time zones, the value here is the smallest of the time zone values.
10	(A)	CHARACTER	8	GTWCTIME	This contains a time value in TOD-clock format which is less accurate than the time values in individual records. It is present to maintain compatibility with pre-SP4.1.0 traces.
18	(12)	CHARACTER	8	GTWCFORM	Format information for the control record and other records in this block. To maintain some compatibility with pre-SP4.1.0 systems, the GTF options of all sources are ORED here.
18	(12)	BITSTRING	3	*	GTF options and other reserved fields.
21	(15)	.... ..1		GTWCFTIM	If 1, individual records have time stamps (this is always the case for post-SP4.1.0 trace records). If 0, the time stamp field in individual records is missing.
22	(16)	BITSTRING	1	*	GTF options and other reserved fields.
23	(17)	.... ..1		GTWCFSID	The data records in this block have source identifiers. Their format is incompatible with pre-SP4.1.0 data.
		.... ..1		GTWCFNEW	This block was written by a post-SP4.1.0 trace.

GTW Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	BITSTRING	2	*	Reserved.
26	(1A)	CHARACTER	*	GTWCSRCE	The array of source descriptors for the origins of the records in this block. A source descriptor is mapped by GTS in AHLZGTS. The source identifier in fields GTWLSRCE and GTWDSRCE is an array index (beginning with 1). All source descriptor arrays are the same in all control records in a trace data set.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	GTWL	A lost trace data record.
0	(0)	CHARACTER	6	GTWLI	The initial portion, mapped by GTW.
6	(6)	CHARACTER	4	GTWLZONE	The time zone for this record.
10	(A)	CHARACTER	8	GTWLTIME	The time-of-day clock value for this record.
18	(12)	UNSIGNED	4	GTWLCNT	The count of lost trace events. If this is a "lost system storage block" record (FID=3), the value of this field is undefined.
22	(16)	CHARACTER	0	GTWLEND1	End of the lost data record when the source ID is not present.
22	(16)	SIGNED	2	GTWLSRCE	If GTWCFSID=1 in the control records associated with this data set, this is the source ID of the source that created the lost data. If GTWCFSID=0, this field is missing. (New in SP4.1.0.)
24	(18)	CHARACTER	0	GTWLEND2	End of the lost data record when the source ID is present.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	GTWD	A trace data record.
0	(0)	CHARACTER	6	GTWDI	The initial portion, mapped by GTW.
6	(6)	CHARACTER	8	GTWDTIME	The time stamp for when this record was created (time-of-day clock format).
14	(E)	BITSTRING	2	GTWDEID	The event identifier.
14	(E)	BITSTRING	1	GTWDMCLA	The monitor class for this event.
16	(10)	CHARACTER	0	GTWDEND1	The data part of the record, if GTWDSRCE is not present.
16	(10)	SIGNED	2	GTWDSRCE	If GTWCFSID = 1, this is the identifier of the trace source that created this record. If GTWCFSID = 0, this field is missing, or is all 0 if this is a split record.
18	(12)	CHARACTER	0	GTWDEND2	The data part of the record, if GTWDSRCE is present and this is not a split record.
18	(12)	SIGNED	2	GTWDSEQ	(Split records only) The sequence number of this split record.
20	(14)	SIGNED	4	GTWDTOTL	(Split records only) The total length of the split trace data.
24	(18)	CHARACTER	0	GTWDEND3	(Split records only) The data part of the record.

GTW Constants

Len	Type	Value	Name	Description
Comment				
Application identifiers (AIDs)				
End of Comment				
1	HEX	00	GTWACNLD	Control or lost data record.
1	HEX	F0	GTWASPLF	Split trace data record (first record).
1	HEX	F1	GTWASPLM	Split trace data record (middle record).
1	HEX	F3	GTWASPLL	Split trace data record (last record).
Comment				
FD and FE: reserved.				
End of Comment				
1	HEX	FF	GTWADATA	Trace data record (not split).
Comment				
Format identifiers (FIDs)				
End of Comment				

Len	Type	Value	Name	Description
Comment				
AID 0, FID 0 is reserved. This was used before SP4.1.0 for the save-hook record that moved data from GTF to SDUMP and ABDUMP.				
End of Comment				
1	HEX	01	GTWFCNTL	If GTWAID=GTWACNLD, this is a control record.
1	HEX	02	GTWFLDSY	If GTWAID=GTWACNLD, this is a lost data record. A system storage buffer (GTF BLOK) for the data could not be found.
1	HEX	03	GTWFLDCS	If GTWAID=GTWACNLD, this is a lost data record. A system storage buffer (GTF BLOK) was lost.

GTW Cross Reference

Name	Hex Offset	Hex Value
GTW	0	
GTWAID	4	
GTWB	0	
GTWBCNTL	4	
GTWBLEN	0	
GTWBRECS	4	
GTWC	0	
GTWCFNEW	17	01
GTWCFORM	12	
GTWCFSID	17	02
GTWCFTIM	15	01
GTWCI	0	
GTWCSRCE	1A	
GTWCTIME	A	
GTWCZONE	6	
GTWD	0	
GTWDEID	E	
GTWDEND1	10	
GTWDEND2	12	
GTWDEND3	18	
GTWDI	0	
GTWDMCLA	E	F0
GTWDMCOD	E	
GTWDSEQ	12	
GTWDSRCE	10	
GTWDTIME	6	
GTWDTOTL	14	
GTWFID	5	
GTWL	0	
GTWLCNT	12	
GTWLEN	0	
GTWLEND1	16	
GTWLEND2	18	
GTWLI	0	
GTWLSRCE	16	
GTWLTIME	A	
GTWLZONE	6	
GTWVAR	6	

GTZZQRY Information

GTZZQRY Programming Interface information

Programming Interface information

GTZZQRY

End of Programming Interface information

GTZZQRY Heading Information • GTZZQRY Map

GTZZQRY Heading Information

Common Name: GTZQUERY area mappings and constants
Macro ID: GTZZQRY
DSECT Name: GTZQUAAHDR GTZQUAASTATUS GTZQUAATRACKDATA GTZQUAAFILTER GTZQUAAEXCLUDE GTZQUAADEBUG
Owning Component: IBM Generic Tracker for z/OS (SCGTZ)
Eye-Catcher ID: GTZQUAAH
 Offset: 0
 Length: 8

Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied

Size: GTZQUAAHEADER -- X'0100' bytes
 GTZQUAASTATUS -- X'0100' bytes
 GTZQUAASGTZPRMSUFFIXES -- X'0002' bytes
 GTZQUAAFILTER -- X'0068' bytes
 GTZQUAAEXCLUDE -- X'0080' bytes
 GTZQUAADEBUG -- X'0080' bytes
 GTZQUAATRACKDATA -- X'00B0' bytes
 Variable, with minimum required = GtzQuaaMinAnsLen

Created by: Caller and passed as parameter on ANSAREA keyword on GTZQUERY to be filled in qith query results.

Pointed to by: GTZQUERY parameter list

Serialization: None required

Function: The returned ANSAREA output consists of a header (GTZQUAAHDR) and optionally one or more sections for STATUS (GTZQUAASTATUS), TRACKDATA (GTZQUAATRACKDATA), EXCLUDE (GTZQUAAEXCLUDE), and DEBUG (GTZQUAADEBUG) as indicated by the appropriate fields in the header.

GTZZQRY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTZQUAAHEADER	
0	(0)	CHARACTER	8	GTZQUAAHEYEATCHER	
8	(8)	BITSTRING	1	GTZQUAAHVERSION	
9	(9)	CHARACTER	3		reserved
12	(C)	BITSTRING	4	GTZQUAAHFLAGS	
		.1.		(0) GTZQUAAHSTATUSVALID	"X'40" If ON ('1'b), STATUS data was requested and GtzQuaaHStatusOffset contains a valid value
		..1.		GTZQUAAHTRACKDATAVALID	"X'20" If ON ('1'b), TRACKDATA was requested and GtzQuaaHTrackDataOffset, GtzQuaaHTrackDataEntriesAvailable, and GtzQuaaHTrackDataEntriesPr ovided contain valid values
		...1		GTZQUAAHEXCLUDEVALID	"X'10" If ON ('1'b), EXCLUDE data was requested and GtzQuaaHExcludeOffset, GtzQuaaHExcludeEntriesAvailable, and GtzQuaaHExcludeEntriesProvided contain valid values
		.... 1...		GTZQUAAHDEBUGVALID	"X'08" If ON ('1'b), DEBUG data was requested and GtzQuaaHDebugOffset, GtzQuaaHDebugEntriesAvailable, and GtzQuaaHDebugEntriesProvided contain valid values
12	(C)	BITSTRING	3		
16	(10)	SIGNED	8	GTZQUAAHBYTESAVAILABLE	Total number of bytes needed in the answer area to contain all of the requested information. If this number is larger than GtzQuaaHBytesProvided then some requested information did not fit and some of the following ..EntriesProvided counts might be different than the corresponding ...EntriesAvailable, indicating where only a subset of available information was returned from this call.
24	(18)	SIGNED	8	GTZQUAAHBYTESPROVIDED	Total number of bytes in the answer area that were used to fill in the requested information.
32	(20)	SIGNED	8	GTZQUAAHSTATUSOFFSET	Offset from the start of the answer area to the GtzQuaaStatus section. Only valid for use, if the GtzQuaaHStatusValid flag is ON ('1'b).
40	(28)	SIGNED	8	GTZQUAAHTRACKDATAOFFSET	Offset from the start of the answer area to the first GtzQuaaTrackData entry. Will contain zero for G tzQuaaHTrackDataEntriesProvide d=0. Only valid for use, if the GtzQuaaHTrackDataValid flag is ON ('1'b).
48	(30)	SIGNED	8	GTZQUAAHTRACKDATAENTRIESPROVIDED	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
56	(38)	SIGNED	8	GTZQUAAHTRACKDATAENTRIESAVAILABLE	Count of GtzQuaaTrackData entries provided in this answer area, starting at offset GtzQuaaHTrackDataOffset. Only valid for use, if the GtzQuaaHTrackDataValid flag is ON ('1'b).
64	(40)	SIGNED	8	GTZQUAAHEXCLUDEOFFSET	Total count of GtzQuaaTrackData entries that could have been returned if the answer area would have been large enough. If all available entries fit, this number will be equal to GtzQuaaHTrackDataEntriesProvided. Only valid, if the GtzQuaaHTrackDataValid flag is ON ('1'b).
72	(48)	SIGNED	8	GTZQUAAHEXCLUDEENTRIESPROVIDED	Offset from the start of the answer area to the first GtzQuaaExclude entry. Will be set to zero for GtzQuaaExcludeEntriesProvided=0. Only valid for use, if the GtzQuaaExcludeValid flag is ON ('1'b).
80	(50)	SIGNED	8	GTZQUAAHEXCLUDEENTRIESAVAILABLE	Count of GtzQuaaExclude entries provided in this answer area, starting at offset GtzQuaaExcludeOffset. Only valid for use, if the GtzQuaaExcludeValid flag is ON ('1'b).
88	(58)	SIGNED	8	GTZQUAAHDEBUGOFFSET	Total count of GtzQuaaExclude entries that could have been returned if the answer area would have been large enough. If all available entries fit, this number will be equal to GtzQuaaExcludeEntriesProvided. Only valid, if the GtzQuaaExcludeValid flag is ON ('1'b).
96	(60)	SIGNED	8	GTZQUAAHDEBUGENTRIESPROVIDED	Offset from the start of the answer area to the first GtzQuaaDebug entry. Will be set to zero for GtzQuaaDebugEntriesProvided=0. Only valid for use, if the GtzQuaaHDebugValid flag is ON ('1'b).
104	(68)	SIGNED	8	GTZQUAAHDEBUGENTRIESAVAILABLE	Count of GtzQuaaDebug entries provided in this answer area, starting at offset GtzQuaaHDebugOffset. Only valid for use, if the GtzQuaaHDebugValid flag is ON ('1'b).
112	(70)	SIGNED	8		
120	(78)	CHARACTER	136		Reserved
120	(78)	X'100'	0	GTZQUAAHEADER_LEN	"*-GTZQUAAHEADER"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	GTZQUAASTATUS	
0	(0)	CHARACTER	8	GTZQUAASEYECATCHER	
8	(8)	BITSTRING	4	GTZQUAASFLAGS	
8	(8)	BITSTRING	1	GTZQUAASFLAGS1	
		1... ..		GTZQUAASTRACKENABLED	"X'80" ON ('1'b), if tracking is currently enabled. Compare command SETGTZ TRACKING=ON
		.1.. ..		GTZQUAASFULL	"X'40" ON ('1'b), if the tracking facility is 'full' and therefore might be unable to store additional unique tracked instances or other information. Compare also GtzQuaaSMemAvailPercent.
		..1.		GTZQUAASEXCLUDENOPRM	"X'20" ON ('1'b), if some EXCLUDE statements did not originate from a GTZPRMxx parmlib member, but from other sources (like the SETGTZ EXCLUDE command).
		...1		GTZQUAASDEBUGNOPRM	"X'10" ON ('1'b), if some DEBUG statements did not originate from a GTZPRMxx parmlib member, but from other sources (like the SETGTZ DEBUG command).
		.... 1..		GTZQUAASGTZPRMFULL	"X'08" ON ('1'b), if some GTZPRMxx suffixes could not be recorded centrally and are not reported via GtzQuaaSGtzPrmSuf fixesAvailable below. Those GTZPRMxx members were still processed and their suffixes are still reported for EXCLUDE or DEBUG statements, with ORIGIN(PARMLIB), but their suffixes just didn't fit into the centrally kept list of suffixes.
		.... .1..		GTZQUAASCLEAREDALL	"X'04" ON ('1'b), if CLEAR=ALL has been used for this instance of Generic Tracker. If ON, the other "cleared" bits (GtzQuaaSClearedTRACKDATA, GtzQuaaSClearedEXCLUDE, and GtzQuaaSClearedDEBUG) will be set to ON as well, if the appropriate collection was not empty to begin with, since a CLEAR=ALL includes clearing all such data.

GTZZQRY Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..1.		GTZQUAASCLEAREDTRACKDATA	"X'02" ON ('1'b), if CLEAR=ALL or CLEAR=TRACKDATA has been used for this instance of Generic Tracker and if there was any track data to be cleared.
		.... ..1		GTZQUAASCLEAREDEXCLUDE	"X'01" ON ('1'b), if CLEAR=ALL or CLEAR=EXCLUDE has been used for this instance of Generic Tracker and if there were any EXCLUDEs to be cleared.
9	(9)	BITSTRING 1... ..	1	GTZQUAASFLAGS2 (0)	GTZQUAASCLEAREDEDEBUG "X'80" ON ('1'b), if CLEAR=ALL or CLEAR=DEBUG has been used for this instance of Generic Tracker and if there were any DEBUGs to be cleared.
10	(A)	BITSTRING	1	GTZQUAASFLAGS3 (0)	
10	(A)	BITSTRING	1		
11	(B)	BITSTRING	1	GTZQUAASFLAGS4 (0)	
11	(B)	BITSTRING	1		
12	(C)	SIGNED	4	GTZQUAASENABLEDCOUNT	Total number of times the tracking status moved from disabled to enabled, since the tracking facility started (disabled by default).
16	(10)	SIGNED	8	GTZQUAASTRACKDATAENTRIESAVAILABLE	Total number of unique tracked instances currently known to the tracking facility
24	(18)	SIGNED	8	GTZQUAASEXCLUDEENTRIESAVAILABLE	Total number of exclusion statements currently known to the tracking facility. Compare the GTZPRMxx EXCLUDE statement.
32	(20)	SIGNED	8	GTZQUAASDEBUGENTRIESAVAILABLE	Total number of DEBUG statements currently known to the tracking facility. Compare the GTZPRMxx DEBUG statement.
40	(28)	SIGNED	8		
48	(30)	SIGNED	8	GTZQUAASTRACKDATAENTRIESENCOUNTERED	Total number of non-unique tracked instances currently known to the tracking facility
56	(38)	SIGNED	8	GTZQUAASEXCLUDEREJECTCOUNT	Total number of GTZTRACK requests rejected due to a matching EXCLUDE statement. This counter is reset when the EXCLUDE statements are cleared.
64	(40)	SIGNED	8	GTZQUAASDEBUGACTIONCOUNT	Total number of GTZTRACK requests which triggered a DEBUG action as specified by a matching DEBUG statement (with its LIMIT not exceeded yet). This counter is reset when the DEBUG statements are cleared.
72	(48)	SIGNED	2	GTZQUAASGTZPRMSUFFIXESAVAILABLE	Total number of GTZPRMxx members currently known to the tracking facility.
74	(4A)	SIGNED	2	GTZQUAASGTZPRMSUFFIXESPROVIDED	Number of GTZPRMxx suffixes actually returned in this GtzQuaaStatus area. This might be less than GtzQuaaSGtzPrmSuffixesAvailabl e, if the provided ANSAREA is too small to hold all information.
76	(4C)	SIGNED	2	GTZQUAASGTZPRMSUFFIXESOFFSET	Offset from the start of this GtzQuaaStatus area to the start of a list of GtzQuaaSGtzPrmSuffixesProvided number of suffixes of the GTZPRMxx parmlib members currently known to the tracking facility. The list is a simple 'array' of consecutive two-character suffixes and can be mapped by GtzQuaaSGtzPrmSuffixes.
78	(4E)	SIGNED	2	GTZQUAASGTZPRMIPLSUFFIXESAVAILABLE	Total number of GTZPRMxx member suffixes specified at IPL time via system parameter GTZPRM, e.g. in IEASYSxx. The currently known GTZPRMxx suffix list might be different than this IPL-time list, if suffixes have been added or cleared in between.
80	(50)	SIGNED	2	GTZQUAASGTZPRMIPLSUFFIXESPROVIDED	Number of IPL-time GTZPRMxx suffixes actually returned in this GtzQuaaStatus area. This might be less than GtzQuaaSGtzPrmIpl SuffixesAvailable, if the provided ANSAREA is too small to hold all information.
82	(52)	SIGNED	2	GTZQUAASGTZPRMIPLSUFFIXESOFFSET	Offset from the start of this GtzQuaaStatus area to the start of a list of GtzQuaaSGtz PrmIplSuffixesProvided number of suffixes of the GTZPRMxx parmlib members specified at IPL-time. The list is a simple 'array' of consecutive two-character suffixes and can be mapped by GtzQuaaSGtzPrmSuffixes.
84	(54)	BITSTRING	1	GTZQUAASMEMAVAILPERCENT	How much (in percent) of our total dynamic memory is still available to store track data etc. When GtzQuaaSFull is ON this will be zero.
85	(55)	CHARACTER	3		Reserved
88	(58)	CHARACTER	8	GTZQUAASSYSTEMNAME	The name of the system the (unique per system) tracking facility is running on.
96	(60)	BITSTRING	1		
97	(61)	BITSTRING	8	GTZQUAASENABLEDTOD	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					The timestamp when tracking was last enabled (if GtzQuaaSTrackEnabled=ON), or when tracking was last disabled (if GtzQuaaSTrackEnabled=OFF), where the latter might be the time of when the facility started, if tracking has not been enabled since. See also GtzQuaaSEnabledCount.
105	(69)	BITSTRING	7		
112	(70)	CHARACTER	144		Reserved
112	(70)	X'100'	0	GTZQUAASTATUS_LEN	**GTZQUAASTATUS" PLX-ONLY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTZQUAASGTZPRMSUFFIXES	
0	(0)	CHARACTER	2	GTZQUAASGTZPRMSUFFIX	
0	(0)	X'2'	0	GTZQUAASGTZPRMSUFFIXES_LEN	**GTZQUAASGTZPRMSUFFIXES"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTZQUAAFILTER	
0	(0)	BITSTRING	1	GTZQUAAFILTEREDFLAGS1	
		1...		(0) GTZQUAAFOWNERFILTERED	"X'80" ON, if filtering by OWNER
		.1..		GTZQUAAFSOURCEFILTERED	"X'40" ON, if filtering by SOURCE. Only valid for SOURCETYPE=NOPATH
		..1.		GTZQUAAFSOURCEPATHFILTERED	"X'20" ON, if filtering by SOURCEPATH. Only valid for SOURCETYPE=PATH
		...1		GTZQUAAFEVENTDESCFILTERED	"X'10" ON, if filtering by EVENTDESC
		.... 1...		GTZQUAAFEVENTDATAFILTERED	"X'08" ON, if filtering by EVENTDATA
		.... .1..		GTZQUAAFEVENTJOBFILTERED	"X'04" ON, if filtering by EVENTJOB
		.... ..1.		GTZQUAAFHOMEJOBFILTERED	"X'02" ON, if filtering by HOMEJOB
		.... ...1		GTZQUAAFPROGRAMFILTERED	"X'01" ON, if filtering by PROGRAM. Only valid for PROGRAMTYPE=NOPATH
1	(1)	BITSTRING	1	GTZQUAAFILTEREDFLAGS2	
		1...		(0) GTZQUAAFPROGRAMPATHFILTERED	"X'80" ON, if filtering by PROGRAMPATH. Only valid for PROGRAMTYPE=PATH
		.1..		GTZQUAAFPROGRAMOFFSETFILTERED	"X'40" ON, if filtering by PROGRAMOFFSET
		..1.		GTZQUAAFEVENTASIDFILTERED	"X'20" ON, if filtering by EVENTASID
		...1		GTZQUAAFHOMEASIDFILTERED	"X'10" ON, if filtering by HOMEASID
		.... 1...		GTZQUAAFSOURCETYPEFILTERED	"X'08" ON, if SOURCETYPE <> ALL
		.... .1..		GTZQUAAFPROGRAMTYPEFILTERED	"X'04" ON, if PROGRAMTYPE <> ALL
2	(2)	BITSTRING	1	GTZQUAAFSOURCETYPE	Indicates what type of source this filter is defined to match: SOURCE, SOURCEPATH, or both. See the corresponding GtzQuaaSourceType equates.
3	(3)	BITSTRING	1	GTZQUAAFPROGRAMTYPE	Indicates what type of program this filter is defined to match: PROGRAM, PROGRAMPATH, or both. See the corresponding GtzQuaaProgramType equates.
4	(4)	CHARACTER	4		reserved
8	(8)	CHARACTER	16	GTZQUAAFOWNER	OWNER filter value. Only valid if GtzQuaaFOwnerFiltered is ON
24	(18)	CHARACTER	8	GTZQUAAFSOURCE	SOURCE filter value. Only valid if GtzQuaaFSourceFiltered is ON
32	(20)	SIGNED	2	GTZQUAAFSOURCEPATHLEN	length of the SOURCEPATH filter value. Only valid if GtzQuaaFSourcePathFiltered is ON
34	(22)	SIGNED	2	GTZQUAAFSOURCEPATHOFFSET	Offset from the start of this GtzQuaaFilter area to the SOURCEPATH filter value of the above length. Only valid if GtzQuaaFSourcePathFiltered is ON

GTZZQRY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	SIGNED	2	GTZQUAAFEVENTDESCLEN	length of the EVENTDESC filter value. Only valid if GtzQuaaFEventDescFiltered is ON
38	(26)	SIGNED	2	GTZQUAAFEVENTDESCOFFSET	Offset from the start of this GtzQuaaFilter area to the EVENTDESC filter value of the above length. Only valid if GtzQuaaFEventDescFiltered is ON
40	(28)	CHARACTER	16	GTZQUAAFEVENTDATA (0)	EVENTDATA filter value. Only valid if GtzQuaaFEventDataFiltered is ON
40	(28)	SIGNED	8	GTZQUAAFEVENTDATA1	
48	(30)	SIGNED	8	GTZQUAAFEVENTDATA2	
56	(38)	CHARACTER	8	GTZQUAAFEVENTJOB	EVENTJOB filter value. Only valid if GtzQuaaFEventJobFiltered is ON
64	(40)	CHARACTER	8	GTZQUAAFHOMJOB	HOMEJOB filter value. Only valid if GtzQuaaFHomeJobFiltered is ON
72	(48)	CHARACTER	8	GTZQUAAFPROGRAM	PROGRAM filter value. Only valid if GtzQuaaFProgramFiltered is ON
80	(50)	SIGNED	8	GTZQUAAFPROGRAMOFFSET	PROGRAMOFFSET filter value. Only valid if GtzQuaaFProgramOffsetFiltered is ON
88	(58)	SIGNED	2	GTZQUAAFPROGRAMPATHLEN	length of the PROGRAMPATH filter value. Only valid if GtzQuaaFProgramPathFiltered is ON
90	(5A)	SIGNED	2	GTZQUAAFPROGRAMPATHOFFSET	Offset from the start of this GtzQuaaFilter area to the PROGRAMPATH filter value of the above length. Only valid if GtzQuaaFProgramPathFiltered is ON
92	(5C)	SIGNED	2	GTZQUAAFEVENTASID	EVENTASID filter value. Only valid if GtzQuaaFEventASIDFiltered is ON
94	(5E)	SIGNED	2	GTZQUAAFHOMASID	HOMEASID filter value. Only valid if GtzQuaaFHomeASIDFiltered is ON
96	(60)	CHARACTER	8		reserved
96	(60)	X'0'	0	GTZQUAASOURCETYPEALL	"0"
96	(60)	X'1'	0	GTZQUAASOURCETYPENOPATH	"1"
96	(60)	X'2'	0	GTZQUAASOURCETYPEPATH	"2"
96	(60)	X'0'	0	GTZQUAAPROGRAMTYPEALL	"0"
96	(60)	X'1'	0	GTZQUAAPROGRAMTYENOPATH	"1"
96	(60)	X'2'	0	GTZQUAAPROGRAMTYPEPATH	"2"
96	(60)	X'1'	0	GTZQUAAORIGINTYPEPARMLIB	"1"
96	(60)	X'2'	0	GTZQUAAORIGINTYPECOMMAND	"2"
96	(60)	X'4'	0	GTZQUAAORIGINTYPEPROGRAM	"4"
96	(60)	X'68'	0	GTZQUAAFILTER_LEN	"*-GTZQUAAFILTER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTZQUAAEXCLUDE	
0	(0)	CHARACTER	8	GTZQUAAEEYECATCHER	
8	(8)	SIGNED	2	GTZQUAAEOFFSETNEXT	Offset to the next GtzQuaaExclude area, or zero, if no more such areas available. The offset is zero-based and is relative to the beginning of this GtzQuaaExclude area here.
10	(A)	CHARACTER	2	GTZQUAAEORIGINSUFFIX	If this EXCLUDE was specified via a GTZPRMxx parmlib member, as indicated by a GtzQuaaEOriginType value of GtzQuaaOriginTypePARMLIB, this field here contains the xx suffix.
12	(C)	BITSTRING	1	GTZQUAAEORIGINTYPE	Indicates where this EXCLUDE originated from: A GTZPRMxx parmlib member, a SETGTZ EXCLUDE command, or a program interface. See the corresponding GtzQuaaOriginType ePARMLIB/COMMAND/PROGRAM equates.
13	(D)	CHARACTER	3		reserved
16	(10)	CHARACTER	8		reserved
24	(18)	CHARACTER	104	GTZQUAAEFLT	The filter values used for this EXCLUDE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Mapping of a single DEBUG statement within the ANSAREA, starting with the first statement at offset GtzQuaaHDebugOffset (see GtzQuaaHeader) from the beginning of the answer area filled in by GTZQUERY. Any additional DEBUG statements can be reached via GtzQuaaDOffsetNext within a current GtzQuaaDebug structure.					
End of Comment					
24	(18)	X'1'	0	GTZQUAADACTIONABEND	"1"
24	(18)	X'2'	0	GTZQUAADACTIONDUMP	"2"
24	(18)	X'0'	0	GTZQUAADACTIONNOLIMIT	"0"
24	(18)	X'80'	0	GTZQUAAEXCLUDE_LEN	**_GTZQUAAEXCLUDE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTZQUAADEBUG	
0	(0)	CHARACTER	8	GTZQUAADEYECATCHER	
8	(8)	SIGNED	2	GTZQUAADOFFSETNEXT	Offset to the next GtzQuaaDebug area, or zero, if no more such areas available. The offset is zero-based and is relative to the beginning of this GtzQuaaDebug area here.
10	(A)	SIGNED	2	GTZQUAADREASON	DEBUG REASON-code
12	(C)	SIGNED	2	GTZQUAADACTIONLIMIT	How often the system is allowed to trigger the action for this DEBUG statement (when matched by a new tracked instance candidate). A value of GtzQuaaDActionNOLIMIT means "no limit".
14	(E)	BITSTRING	1	GTZQUAADACTION	See GtzQuaaDActionDUMPIABEND
15	(F)	BITSTRING	1	GTZQUAADORIGINTYPE	Indicates where this DEBUG originated from: A GTZPRMxx parmlib member, a SETGTZ DEBUG command, or a program interface. See the corresponding GtzQuaaOriginTyp ePARMLIB/COMMAND/PROGRAM equates.
16	(10)	CHARACTER	2	GTZQUAADORIGINSUFFIX	If this DEBUG was specified via a GTZPRMxx parmlib member, as indicated by a GtzQuaaDOriginType value of GtzQuaaOriginTypePARMLIB, this field here contains the xx suffix.
18	(12)	SIGNED	2	GTZQUAADACTIONCOUNT	How often this DEBUG statement triggered an action so far. Counts towards the ActionLimit, unless GtzQuaaDActionNOLIMIT
20	(14)	CHARACTER	4		reserved
24	(18)	CHARACTER	104	GTZQUAADFLT	The filter values used for this DEBUG
24	(18)	X'80'	0	GTZQUAADEDEBUG_LEN	**_GTZQUAADEDEBUG"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	GTZQUAATRACKDATA	
0	(0)	CHARACTER	8	GTZQUAATEYECATCHER	
8	(8)	SIGNED	2	GTZQUAATOFFSETNEXT	Offset to the next GtzQuaaTrackData area, or zero, if no more such areas available. The offset is zero-based and is relative to the beginning of this GtzQuaaTrackData area here.
10	(A)	BITSTRING	1	GTZQUAATFLAGS1	
		1...		(0) GTZQUAATISSOURCEPATH	"X'80" if ON, use SOURCEPATH, not SOURCE
		.1..		GTZQUAATISPROGRAMPATH	"X'40" if ON, use PROGRAMPATH, not PROGRAM
		..1.		GTZQUAATISAUTHORIZED	"X'20" if ON, the tracked EVENT ran authorized
		...1		GTZQUAATISCNZTRKR	"X'10" not a part of the intended interface

GTZZQRY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
11	(B)	CHARACTER	5		
16	(10)	BITSTRING	1		
17	(11)	BITSTRING	8	GTZQUAATFIRSTTOD	The timestamp when the first instance of this (unique) tracked instance was recorded (all others just had the occurrence count incremented).
25	(19)	BITSTRING	7		
32	(20)	SIGNED	8	GTZQUAATCOUNT	How often this (unique) tracked instance was recorded.
40	(28)	CHARACTER	16		
56	(38)	CHARACTER	16	GTZQUAATOWNER	OWNER value.
72	(48)	CHARACTER	8	GTZQUAATSOURCE	SOURCE filter value. Only valid if GtzQuaaTisSourcePath is OFF
80	(50)	SIGNED	2	GTZQUAATSOURCEPATHLEN	length of the SOURCEPATH value. Only valid if GtzQuaaTisSourcePath is ON
82	(52)	SIGNED	2	GTZQUAATSOURCEPATHOFFSET	Offset from the start of this GtzQuaaTrackData area to the SOURCEPATH value of the above length. Only valid if GtzQuaaTisSourcePath is ON
84	(54)	SIGNED	2	GTZQUAATEVENTDESCLEN	length of the EVENTDESC value.
86	(56)	SIGNED	2	GTZQUAATEVENTDESCOFFSET	Offset from the start of this GtzQuaaTrackData area to the EVENTDESC value of the above length.
88	(58)	CHARACTER	16	GTZQUAATEVENTDATA (0)	EVENTDATA filter value.
88	(58)	SIGNED	8	GTZQUAATEVENTDATA1	
96	(60)	SIGNED	8	GTZQUAATEVENTDATA2	
104	(68)	CHARACTER	8	GTZQUAATEVENTJOB	derived EVENTJOB-name value.
112	(70)	CHARACTER	8	GTZQUAATHOMEJOB	derived HOMEJOB-name value.
120	(78)	CHARACTER	8	GTZQUAATPROGRAM	derived PROGRAM value. Only valid if GtzQuaaTisProgramPath is OFF
128	(80)	SIGNED	8	GTZQUAATPROGRAMOFFSET	derived PROGRAMOFFSET value.
136	(88)	SIGNED	2	GTZQUAATPROGRAMPATHLEN	length of the PROGRAMPATH value. Only valid if GtzQuaaTisProgramPath is ON
138	(8A)	SIGNED	2	GTZQUAATPROGRAMPATHOFFSET	Offset from the start of this GtzQuaaTrackData area to the derived PROGRAMPATH value of the above length. Only valid if GtzQuaaTisProgramPath is ON
140	(8C)	SIGNED	2	GTZQUAATEVENTASID	EVENTASID value.
142	(8E)	SIGNED	2	GTZQUAATHOMEASID	HOMEASID value.
144	(90)	CHARACTER	32		reserved

Comment

GTZQUERY return and reason codes

Reason code format: ddddrxy, with rr= return code, x=8..A, y=0..F and dddd = component diagnostic data, which must not be assumed to be 0. Apply GtzQueryRsnCodeMask to an actual reason code value to derive a value listed below.

End of Comment

144	(90)	BITSTRING	0	GTZQUERYRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code or abend reason code
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Comment

AMGRET - START (RC 0-16, RSNs for RC=4,8,12)

End of Comment

....			GTZQUERYRC_OK	"X'00000000" Meaning: Successfully returned requested information. Action: None required
....	1...			GTZQUERYRC_ERROR	"X'00000008" Meaning: Error Action: Refer to action under the individual reason code.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
144	(90)	BITSTRING	0	GTZQUERYRSN_BADREQUEST	"X'00000880" Meaning: A bad REQUEST type has been specified. Action: Use one of the supported request types.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPARMLISTALET	"X'00000881" Meaning: Bad parameter list ALET. Action: Make sure that the ALET associated with the parameter list is valid. The access register might not have been set up correctly.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPARMLIST	"X'00000882" Meaning: Error accessing parameter list. Action: Make sure that the provided parameter list is valid.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPARMLISTVERSION	"X'00000883" Meaning: The specified version of the macro is not compatible with the current version of IBM Generic Tracker for z/OS. Action: Avoid requesting parameters that are not supported by this version of IBM Generic Tracker for z/OS.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADANSAREALET	"X'00000884" Meaning: Bad ANSAREA ALET. Action: Make sure that the ALET associated with the answer area is valid. The access register might not have been set up correctly.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADANSAREAADDRNULL	"X'00000885" Meaning: ANSAREA address is NULL. Action: Check the location of your answer area. Typically address zero is not a valid address.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADANSAREAADDRALIGN	"X'00000886" Meaning: The ANSAREA has a bad alignment. Action: The ANSAREA has to start at a double-word boundary.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADANSLEN	"X'00000887" Meaning: Bad ANSLEN value. Action: Provide an answer area which is at least GtzQuaaMinAnsLen bytes long.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADANSAREA	"X'00000888" Meaning: Error accessing answer area. Action: Make sure that the provided answer area is valid.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSECHECKVALUE	"X'00000889" Meaning: Bad SECHECK value. Action: Specify a support SECHECK value.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADENVNOTENABLED	"X'0000088A" Meaning: Not enabled. Action: Avoid using GTZQUERY when not enabled for I/O and external interrupts
144	(90)	BITSTRING	0	GTZQUERYRSN_BADENVLOCKED	"X'0000088B" Meaning: Locked. Action: Avoid using GTZQUERY when a lock is held.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADENVSRBMODE	"X'0000088C" Meaning: SRB mode. Action: Avoid issuing GTZQUERY in SRB mode.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADENVFRR	"X'0000088D" Meaning: The caller had an EUT FRR established. Action: Avoid using HZSPWRIT when an EUT FRR is established.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADENVNOTINGTZ	"X'0000088E" Meaning: The processing module for GTZQUERY has been invoked outside of the GTZ address space. Action: Use the provided GTZQUERY macro to call the processing module.
144	(90)	BITSTRING	0	GTZQUERYRSN_NOTAUTHORIZED	"X'0000088F" Meaning: Not authorized. Action: Ensure you are authorized to perform the requested operation.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADOWNERCHARSET	"X'00000891" Meaning: The OWNER parameter value contains bad characters. Action: Use only allowed characters as documented for the OWNER parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSOURCEPATHALET	"X'00000892" Meaning: Bad SOURCEPATH ALET. Action: Make sure that the ALET associated with the SOURCEPATH parameter is valid. The access register might not have been set up correctly.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSOURCEPATH	"X'00000893" Meaning: Error accessing SOURCEPATH. Action: Make sure that the provided SOURCEPATH is properly addressable.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPROGRAMPATHALET	"X'00000894" Meaning: Bad PROGRAMPATH ALET. Action: Make sure that the ALET associated with the PROGRAMPATH parameter is valid. The access register might not have been set up correctly.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPROGRAMPATH	"X'00000895" Meaning: Error accessing PROGRAMPATH. Action: Make sure that the provided PROGRAMPATH is properly addressable.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADEVENTDESCALET	"X'00000896" Meaning: Bad EVENTDESC ALET. Action: Make sure that the ALET associated with the EVENTDESC parameter is valid. The access register might not have been set up correctly.

GTZZQRY Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
144	(90)	BITSTRING	0	GTZQUERYRSN_BADEVENTDESC	"X'00000897" Meaning: Error accessing EVENTDESC. Action: Make sure that the provided EVENTDESC is properly addressable.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPROGRAMCHARSET	"X'00000898" Meaning: The PROGRAM parameter value contains bad characters. Action: Use only allowed characters as documented for the PROGRAM parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPROGRAMPATHCHARSET	"X'00000899" Meaning: The PROGRAMPATH parameter value contains bad characters. Action: Use only allowed characters as documented for the PROGRAMPATH parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSOURCECHARSET	"X'0000089A" Meaning: The SOURCE parameter value contains bad characters. Action: Use only allowed characters as documented for the SOURCE parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSOURCEPATHCHARSET	"X'0000089B" Meaning: The SOURCEPATH parameter value contains bad characters. Action: Use only allowed characters as documented for the SOURCEPATH parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADEVENTDESCCHARSET	"X'0000089C" Meaning: The EVENTDESC parameter value contains bad characters. Action: Use only allowed characters as documented for the EVENTDESC parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADEVENTDESCLEN	"X'0000089D" Meaning: The EVENTDESCLEN parameter value is out of range. Action: Specify an EVENTDESCLEN in the documented allowed range.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSOURCEPATHLEN	"X'0000089E" Meaning: The SOURCEPATHLEN parameter value is out of range. Action: Specify an SOURCEPATHLEN in the documented allowed range.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPROGRAMPATHLEN	"X'0000089F" Meaning: The PROGRAMPATHLEN parameter value is out of range. Action: Specify an PROGRAMPATHLEN in the documented allowed range.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADPROGRAMTYPE	"X'000008A0" Meaning: Invalid PROGRAMTYPE. Action: Use only documented PROGRAMTYPE values.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADSOURCECTYPE	"X'000008A1" Meaning: Invalid SOURCECTYPE. Action: Use only documented SOURCECTYPE values.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADHOMEJOBCHARSET	"X'000008A2" Meaning: The HOMEJOB parameter value contains bad characters. Action: Use only allowed characters as documented for the HOMEJOB parameter.
144	(90)	BITSTRING	0	GTZQUERYRSN_BADEVENTJOBCHARSET	"X'000008A3" Meaning: The EVENTJOB parameter value contains bad characters. Action: Use only allowed characters as documented for the EVENTJOB parameter.
		.... 11..		GTZQUERYRC_SEVEREERROR	"X'0000000C" Meaning: Severe Error / Environment Error Action: Refer to action under the individual reason code.
144	(90)	BITSTRING	0	GTZQUERYRSN_FACILITYNOTAVAILABLE	"X'00000C90" Meaning: Generic Tracker is not available. Action: This might be a temporary situation. See the description of message GTZ1000I for further information.
		.... 11.1		GTZQUERYRC_OUTOFMEMORY	"X'0000000D" Meaning: Tracking facility is low on memory. Action: See the description of message GTZ0004E. Try also to omit any filters, for example for REQUEST(TRACKDATA).
		...1		GTZQUERYRC_COMPERROR	"X'00000010" Meaning: Component error. Action: Report the associated reason code to the system programmer to contact IBM Service.
144	(90)	X'B0'	0	GTZQUAATRACKDATA_LEN	"*-GTZQUAATRACKDATA"

GTZZQRY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GTZQUAADACTION	E		GTZQUAAFILTER	0	2
GTZQUAADACTIONABEND	18	1	GTZQUAAFILTER_LEN	0	
GTZQUAADACTIONCOUNT	12		GTZQUAAFOWNER	60	68
GTZQUAADACTIONDUMP	18	2	GTZQUAAFOWNERFILTERED	8	
GTZQUAADACTIONLIMIT	C		GTZQUAAFOWNERFILTERED	0	80
GTZQUAADACTIONNOLIMIT	18	0	GTZQUAAFPROGRAM	48	
GTZQUAADEDEBUG	0		GTZQUAAFPROGRAMFILTERED	0	1
GTZQUAADEDEBUG_LEN	18	80	GTZQUAAFPROGRAMOFFSET	50	
GTZQUAADEYECATCHER	0		GTZQUAAFPROGRAMOFFSETFILTERED	1	40
GTZQUAADFLT	18		GTZQUAAFPROGRAMPATHFILTERED	1	80
GTZQUAADOFFSETNEXT	8		GTZQUAAFPROGRAMPATHLEN	58	
GTZQUAADORIGINSUFFIX	10		GTZQUAAFPROGRAMPATHOFFSET	5A	
GTZQUAADORIGINTYPE	F		GTZQUAAFPROGRAMTYPE	3	
GTZQUAADREASON	A		GTZQUAAFPROGRAMTYPEFILTERED	1	4
GTZQUAAEEYECATCHER	0		GTZQUAAFSOURCE	18	
GTZQUAAEFLT	18		GTZQUAAFSOURCEFILTERED	0	40
GTZQUAAEOFFSETNEXT	8		GTZQUAAFSOURCEPATHFILTERED	0	20
GTZQUAAEORIGINSUFFIX	A		GTZQUAAFSOURCEPATHLEN	20	
GTZQUAAEORIGINTYPE	C		GTZQUAAFSOURCEPATHOFFSET	22	
GTZQUAAEXCLUDE	0		GTZQUAAFSOURCEPATHOFFSET	2	
GTZQUAAEXCLUDE_LEN	18	80	GTZQUAAFSOURCEPATHOFFSET	1	8
GTZQUAAFEVENTASID	5C		GTZQUAAHBYTESAVAILABLE	10	
GTZQUAAFEVENTASIDFILTERED	1	20	GTZQUAAHBYTESPROVIDED	18	
GTZQUAAFEVENTDATA	28		GTZQUAAHDEBUGENTRIESAVAILABLE	68	
GTZQUAAFEVENTDATAFILTERED	0	8	GTZQUAAHDEBUGENTRIESPROVIDED	60	
GTZQUAAFEVENTDATA1	28		GTZQUAAHDEBUGOFFSET	58	
GTZQUAAFEVENTDATA2	30		GTZQUAAHDEBUGVALID	C	8
GTZQUAAFEVENTDESCFILTERED	0	10	GTZQUAAHEADER	0	
GTZQUAAFEVENTDESCLEN	24		GTZQUAAHEADER_LEN	78	100
GTZQUAAFEVENTDESCOFFSET	26		GTZQUAAHEXCLUDEENTRIESAVAILABLE	50	
GTZQUAAFEVENTJOB	38		GTZQUAAHEXCLUDEENTRIESPROVIDED	48	
GTZQUAAFEVENTJOBFILTERED	0	4	GTZQUAAHEXCLUDEOFFSET	40	
GTZQUAAFFILTEREDFLAGS1	0		GTZQUAAHEXCLUDEVALID	C	10
GTZQUAAFFILTEREDFLAGS2	1		GTZQUAAHEYECATCHER	0	
GTZQUAAFHOMEASID	5E		GTZQUAAHFLAGS	C	
GTZQUAAFHOMEASIDFILTERED	1	10	GTZQUAAHSTATUSOFFSET	20	
GTZQUAAFHOMEJOB	40		GTZQUAAHSTATUSVALID		
GTZQUAAFHOMEJOBFILTERED					

GTZZQRY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GTZQUAAHTRACKDATAENTRIESAVAILABLE	C	40	GTZQUAASGTZPRMSUFFIXESAVAILABLE	48	
	38		GTZQUAASGTZPRMSUFFIXESOFFSET	4C	
GTZQUAAHTRACKDATAENTRIESPROVIDED	30		GTZQUAASGTZPRMSUFFIXESPROVIDED	4A	
GTZQUAAHTRACKDATAOFFSET	28		GTZQUAASMEMAVAILPERCENT	54	
GTZQUAAHTRACKDATAVALID	C	20	GTZQUAASOURCETYPEALL	60	0
GTZQUAAHVERSION	8		GTZQUAASOURCETYPEENOPATH	60	1
GTZQUAAORIGINTYPECOMMAND	60	2	GTZQUAASOURCETYPEEPATH	60	2
GTZQUAAORIGINTYPEPARMLIB	60	1	GTZQUAASSYSTEMNAME	58	
GTZQUAAORIGINTYPEPROGRAM	60	4	GTZQUAASTATUS	0	
GTZQUAAPROGRAMTYPEALL	60	0	GTZQUAASTATUS_LEN	70	100
GTZQUAAPROGRAMTYPEENOPATH	60	1	GTZQUAASTRACKDATAENTRIESAVAILABLE	10	
GTZQUAAPROGRAMTYPEEPATH	60	2	GTZQUAASTRACKDATAENTRIESENCOUNTERED	30	
GTZQUAASCLEAREDALL	8	4	GTZQUAASTRACKENABLED	8	80
GTZQUAASCLEAREDDEBUG	9	80	GTZQUAATCOUNT	20	
GTZQUAASCLEAREDEXCLUDE	8	1	GTZQUAATEVENTASID	8C	
GTZQUAASCLEAREDTRACKDATA	8	2	GTZQUAATEVENTDATA	58	
GTZQUAASDEBUGACTIONCOUNT	40		GTZQUAATEVENTDATA1	58	
GTZQUAASDEBUGENTRIESAVAILABLE	20		GTZQUAATEVENTDATA2	60	
GTZQUAASDEBUGNOPRM	8	10	GTZQUAATEVENTDESCLEN	54	
GTZQUAASENABLEDCOUNT	C		GTZQUAATEVENTDESCOFFSET	56	
GTZQUAASENABLEDTOD	61		GTZQUAATEVENTJOB	68	
GTZQUAASEXCLUDEENTRIESAVAILABLE	18		GTZQUAATEYECATCHER	0	
GTZQUAASEXCLUDENOPRM	8	20	GTZQUAATFIRSTTOD	11	
GTZQUAASEXCLUDEREJECTCOUNT	38		GTZQUAATFLAGS1	A	
GTZQUAASEYECATCHER	0		GTZQUAATHOMEASID	8E	
GTZQUAASFLAGS	8		GTZQUAATHOMEJOB	70	
GTZQUAASFLAGS1	8		GTZQUAATISAUTHORIZED	A	20
GTZQUAASFLAGS2	9		GTZQUAATISCNZTRKR	A	10
GTZQUAASFLAGS3	A		GTZQUAATISPROGRAMPATH	A	40
GTZQUAASFLAGS4	B		GTZQUAATISSOURCEPATH	A	80
GTZQUAASFULL	8	40	GTZQUAATOFFSETNEXT	8	
GTZQUAASGTZPRMIFULL	8	8	GTZQUAATOWNER	38	
GTZQUAASGTZPRMIPLSUFFIXESAVAILABLE	4E		GTZQUAATPROGRAM	78	
GTZQUAASGTZPRMIPLSUFFIXESOFFSET	52		GTZQUAATPROGRAMOFFSET	80	
GTZQUAASGTZPRMIPLSUFFIXESPROVIDED	50		GTZQUAATPROGRAMPATHLEN	88	
GTZQUAASGTZPRMSUFFIX	0		GTZQUAATPROGRAMPATHOFFSET	8A	
GTZQUAASGTZPRMSUFFIXES	0		GTZQUAATRACKDATA	0	
GTZQUAASGTZPRMSUFFIXES_LEN	0	2			

Name	Hex Offset	Hex Value
GTZQUAATRACKDATA_LEN	90	B0
GTZQUAATSOURCE	48	
GTZQUAATSOURCEPATHLEN	50	
GTZQUAATSOURCEPATHOFFSET	52	
GTZQUERYRC_COMPERROR	90	10
GTZQUERYRC_ERROR	90	8
GTZQUERYRC_OK	90	0
GTZQUERYRC_OUTOFMEMORY	90	D
GTZQUERYRC_SEVEREERROR	90	C
GTZQUERYRSN_BADANSAREA	90	888
GTZQUERYRSN_BADANSAREAADDRALIGN	90	886
GTZQUERYRSN_BADANSAREAADDRNULL	90	885
GTZQUERYRSN_BADANSAREALET	90	884
GTZQUERYRSN_BADANSLEN	90	887
GTZQUERYRSN_BADENVFRR	90	88D
GTZQUERYRSN_BADENVLOCKED	90	88B
GTZQUERYRSN_BADENVNOTENABLED	90	88A
GTZQUERYRSN_BADENVNOTINGTZ	90	88E
GTZQUERYRSN_BADENVSRBMODE	90	88C
GTZQUERYRSN_BADEVENTDESC	90	897
GTZQUERYRSN_BADEVENTDESCALET	90	896
GTZQUERYRSN_BADEVENTDESCCHARSET	90	89C
GTZQUERYRSN_BADEVENTDESCLEN	90	89D
GTZQUERYRSN_BADEVENTJOBCHARSET	90	8A3
GTZQUERYRSN_BADHOMEJOBCHARSET	90	8A2
GTZQUERYRSN_BADOWNERCHARSET	90	891
GTZQUERYRSN_BADPARMLIST	90	882
GTZQUERYRSN_BADPARMLISTALET	90	881
GTZQUERYRSN_BADPARMLISTVERSION	90	883
GTZQUERYRSN_BADPROGRAMCHARSET	90	898
GTZQUERYRSN_BADPROGRAMPATH	90	895
GTZQUERYRSN_BADPROGRAMPATHALET	90	894
GTZQUERYRSN_BADPROGRAMPATHCHARSET	90	899
GTZQUERYRSN_BADPROGRAMPATHLEN	90	89F
GTZQUERYRSN_BADPROGRAMTYPE	90	8A0
GTZQUERYRSN_BADREQUEST	90	880
GTZQUERYRSN_BADSECHECKVALUE	90	889

Name	Hex Offset	Hex Value
GTZQUERYRSN_BADSOURCECHARSET	90	89A
GTZQUERYRSN_BADSOURCEPATH	90	893
GTZQUERYRSN_BADSOURCEPATHALET	90	892
GTZQUERYRSN_BADSOURCEPATHCHARSET	90	89B
GTZQUERYRSN_BADSOURCEPATHLEN	90	89E
GTZQUERYRSN_BADSOURCETYPE	90	8A1
GTZQUERYRSN_FACILITYNOTAVAILABLE	90	C90
GTZQUERYRSN_NOTAUTHORIZED	90	88F
GTZQUERYRSNCODEMASK	90	FFFF

GVT Information

GVT Programming Interface information

Programming Interface information

GVT

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

- GVT_CLEARCACHE@
- GVTCSGRSConstrained
- GVTFUNCS
- GVTRCRNL
- GVTRNLEA
- GVTSERNL
- GVTSIRNL

End of Programming Interface information

GVT Heading Information • GVT Map

GVT Heading Information

Common Name: GLOBAL RESOURCE SERIALIZATION (GRS) VECTOR TABLE
Macro ID: ISGGVT
DSECT Name: GVT
Owning Component: Global Resource Serialization (SCSDS)
Eye-Catcher ID: GVT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: Below 16M line
Size: 760 bytes
Created by: THE GVT IS CONTAINED IN THE NUCLEUS RESIDENT MODULE ISGGRS00. THE GVT IS AUTOMATICALLY CREATED WHEN THE NUCLEUS IS LOADED BY IEAIPL.
Pointed to by: THE GVT IS POINTED TO BY THE CVT FIELD CVTGVT.
Serialization: Based on the individual fields being referenced.
Function: THE GVT PROVIDES A MEANS OF COMMUNICATION WITHIN GRS. THE GVT CONTAINS ALL GLOBAL QUEUES, POINTERS, AND ENTRY POINT ADDRESSES. THE GVT IS DIVIDED INTO SECTIONS RELATING TO THE DIFFERENT FUNCTIONAL AREAS OF GRS: GRS INITIALIZATION, ENQ/DEQ MAINLINE, GRS RING PROCESSOR, GRS CTC DRIVER, AND GRS COMMAND PROCESSOR. THE FUNCTIONAL SECTIONS ARE FOLLOWED BY ASSIGNED PC NUMBERS AND ENTRY POINT ADDRESSES USED BY GRS MODULES.

GVT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	760	GVT	GRS VECTOR TABLE	
0	(0)	CHARACTER	4	GVTID	CONTROL BLOCK ACRONYM (GVT)	

Comment

THE FOLLOWING SECTION OF THE GVT IS USED BY ALL AREAS OF GRS.

End of Comment

4	(4)	CHARACTER	36	GVTGSECT	GLOBAL SECTION	
4	(4)	BITSTRING	1	GVTGSFLG	GRS GENERAL STATUS FLAGS	
		1...		GVTGRSAS	GRS ADDRESS SPACE FLAG - 0 = GRS ADDRESS SPACE NOT INITIALIZED (PC/PT SHOULD NOT BE ISSUED), 1 = GRS ADDRESS SPACE HAS BEEN INITIALIZED (PC/PT CAN BE ISSUED)	
		.1.		GVTGRSNA	GLOBAL RESOURCE SERIALIZATION NOT ACTIVE FLAG - WHEN 1, GLOBAL RESOURCE SERIALIZATION IS NOT ACTIVE i.e. GRS=NONE	
		..1.		GVTGRSPC	GRS OPTION PROCESSING COMPLETE FLAG - WHEN 1, PROCESSING OF THE GRS= OPTION HAS BEEN DONE AND INITIALIZATION IS COMPLETE.	
		...1		GVTPRGOK	PURGE PROCESSING OKAY FLAG - WHEN 1, PURGING OF LOCAL/GLOBAL RESOURCES PERFORMED BY THE GRS TERMINATION RESOURCE MANAGER IS ALLOWED	
		.... 1..		GVTNCOMDR	NO COMMAND ROUTER FLAG - WHEN 1, THE GRS COMMAND ROUTER (ISGCMR) IS NOT ACTIVE	
		.... .1..		*	Unused	
		.... ..1.		GVTMSICP	MASTER SCHEDULER INIT HAS COMPLETED AND ISGNWMSI HAS DONE ANY RELATED WORK	
		.... ...1		*	Reserved. Field GVTARQA is obsolete.	
5	(5)	BITSTRING	1	GVTQSFLG	GRS QUEUE STATUS FLAGS	
		1...		GVTQDQMG	GLOBAL QUEUE DAMAGE FLAG - WHEN 1, THE GLOBAL RESOURCE QUEUES HAVE BEEN DAMAGED	
		.1..		GVTLQDMG	LOCAL QUEUE DAMAGE FLAG - WHEN 1, THE LOCAL RESOURCE QUEUES HAVE BEEN DAMAGED	
		..1.		GVTQMRGA	QUEUE MERGE ACTIVE FLAG - WHEN 1, ISGCQMRG IS IN THE PROCESS OF UPDATING THE GLOBAL QUEUES	
		...1		GVTSTEPQUEUEDAMAGE		

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Step queue damage flag - When 1, the step resource queues have been damaged. Note that this bit is never reset even though it is possible that the address space associated with the step queue damage memterms and the ASID is recycled for use by another address space (so there no longer step hash table damage corresponding to that reused address space)
6	(6)	BITSTRING 1111 1... .. .1. .... ..1. .... ...1 1... .... .111	1	* GVTGRSOP GVTSTART GVTJOIN GVTNONE GVTRYJN GVTSTAR *	RESERVED GRS OPTION FLAGS START FLAG - WHEN 1, GRS OPTION IS START JOIN FLAG - WHEN 1, GRS OPTION IS JOIN NONE FLAG - WHEN 1, GRS OPTION IS NONE TRYJOIN FLAG - WHEN 1, GRS OPTION IS TRYJOIN STAR FLAG - WHEN 1, GRS OPTION IS STAR
7	(7)	BITSTRING 1... .. .1. .... ..1. .... ...1 1... .... .111	1	GVTVFLAG GVTNRNLCV GVTVERNLCV GVTVIRNLCV GVTVCNLCV GVTNRNLEA *	GRS VALIDATION FLAGS RNL VALIDATION COMPLETE FLAG WHEN 1, VALIDATION COMPLETE FOR ALL RESOURCE NAME LISTS INVALID SYSTEMS EXCLUSION RNL FLAG - WHEN 1, ERROR EXISTS IN THE SYSTEMS EXCLUSION RESOURCE NAME LIST INVALID SYSTEMS INCLUSION RNL FLAG - WHEN 1, ERROR EXISTS IN THE SYSTEMS INCLUSION RESOURCE NAME LIST INVALID RESERVE CONVERSION RNL FLAG - WHEN 1, ERROR EXISTS IN THE RESERVE CONVERSION RESOURCE NAME LIST RNL EXCLUDE ALL FLAG - WHEN 1 GRSRNL=EXCLUDE IS IN EFFECT RESERVED
8	(8)	BITSTRING 1... .. .1. .... ..1. .... ...1 1... .... .111	1	GVTGRSRP GVTNCOMM GVTMAINR GVTINACT * GVTAURST GVTJSRBS * GVTAURJN	GRS RING PROCESSING FLAGS NO COMMUNICATION FLAG - WHEN 1, CTC DRIVER AND RING PROCESSING ARE INOPERATIVE MAINRING FLAG - WHEN 1, THIS SYSTEM IS A MEMBER OF THE MAINRING INACTIVE SYSTEM FLAG - WHEN 1 RING PROCESSING DISCOVERED A MAINRING FAILURE BUT THIS SYSTEM HAS NOT YET RESET ITS MAINRING RESOURCES UNUSED AUTO RESTART FLAG - WHEN 1, THIS SYSTEM HAS THE ABILITY TO AUTOMATICALLY REBUILD A DISRUPTED GRS RING CTC DRIVER SRB SCHEDULED FLAG - WHEN 1, THE UNUSUAL EVENT SRB OF CTC DRIVER HAS BEEN SCHEDULED RESERVED REJOIN FLAG - WHEN 1, THIS SYSTEM HAS THE ABILITY TO AUTOMATICALLY REJOIN AN ACTIVE GRS RING
9	(9)	BITSTRING 1... .. .1. .... ..1. .... ...1 1111	1	GVTPRMLB GVTNCFER GVTNLER * GVTNOCTC * GVTENFLG GVTENBLHOTCMSG	GRS PARMLIB PROCESSING STATUS FLAGS GRSCNFXX PROCESSING STATUS FLAG - WHEN 1,ERROR PROCESSING GRSCNFXX MEMBER OF SYS1.PARMLIB GRSRNLXX PROCESSING STATUS FLAG - WHEN 1,ERROR PROCESSING GRSRNLXX MEMBER OF SYS1.PARMLIB RESERVED GRSCNFXX CTC FLAG - WHEN 1, NO CTC DEFINITIONS WERE SPECIFIED IN THE SYS1.PARMLIB GRSCNF MEMBER RESERVED Enablement flags
10	(A)	BITSTRING 1... ..	1	GVTENFLG GVTENBLHOTCMSG	Enablement flags
11	(B)	CHARACTER	1	*	RESERVED
12	(C)	CHARACTER	4	GVTCPAT	GRS COMPATIBILITY INDICATOR - ANY VERSION OF GRS HAVING THE SAME VALUE FOR THIS FIELD ARE COMPATIBLE WITH EACH OTHER
16	(10)	ADDRESS	4	GVTGVTX	ADDRESS OF THE GRS VECTOR TABLE EXTENSION
20	(14)	ADDRESS	4	GVTGASCB	ADDRESS OF THE ASCB FOR THE GRS ADDRESS SPACE
24	(18)	ADDRESS	4	GVTGRPRB	ADDRESS OF THE RB UNDER WHICH ISGGRP00 IS EXECUTING
28	(1C)	ADDRESS	4	GVTTRSE	ADDRESS OF THE RNL-SEARCH EXTENSION TABLE (RSE)
32	(20)	UNSIGNED	4	GVTCS	Fullword containing flags that are set via Compare and Swap
32	(20)	BITSTRING 1... ..	1	GVTCSFLG GVTSYNCH	Compare and swap flags Synchronous reserve flag. The installation has requested that HW RESERVES be completed prior to returning to the RESERVE requesters. Individual ISGENQ requests can override this system level option. Note that GVTSYNCHDisabled may be on when this flag is on.
		.1.		GVTSYNCHDISABLED	Synchronous reserve processing was turned off by ISGGRSV due to a failure in IOS. The GVTSYNCH flag should be off when this flag is on.
		..1. .... ...1 1111		GVTMONITOR *	Monitor flag. The installation has requested GRS monitoring via SMF 87 records Reserved
33	(21)	CHARACTER	1	GVTCSGRSCONSTRAINED	

GVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		GVTERRQACONSTRAINED	This is a PI field. A non-null value indicates that GRS is constrained and that API services such as ENQ may start to be rejected. Any GRS users that can suppress the use of ENQ, DEQ, GQSCAN, ISGENQ, ISGQUERY, etc. should do so. See the specific bits below for more information. However, as new constraint indicators may appear in the future, only this byte should be checked.
		.1..		GVTGRQACONSTRAINED	GRS ERQA storage is constrained. Message ISG353E is outstanding while this flag is on and message ISG354I is issued when it is turned off. See their descriptions for more information.
		..11 1111		*	Reserved
34	(22)	CHARACTER	2	GVTCSRVS	Reserved
36	(24)	UNSIGNED	4	GVTGALET	PASN-AL Alet for addressing the system GRS address space

Comment

THE FOLLOWING SECTION OF THE GVT IS USED PRIMARILY BY THE INITIALIZATION MODULES OF GRS.

End of Comment

40	(28)	CHARACTER	20	GVTINITS	GRS INITIALIZATION SECTION
40	(28)	ADDRESS	4	GVTNTCB	ADDRESS OF THE TCB UNDER WHICH ISGNASIM IS EXECUTING
44	(2C)	SIGNED	4	GVTSYSZTIOTMAXDEFER	Maximum number of attempts allowable on an exclusive waiter of Sysztiot to defer to a shared requester.
				*	Unused
48	(30)	CHARACTER	4	*	Unused
52	(34)	SIGNED	4	GVTNTLIM	TIME LIMIT IN UNITS OF 0.01 SECONDS FOR FUNCTIONS PERFORMED BY ISGBCI FOR GRS INITIALIZATION MODULES
56	(38)	SIGNED	4	GVTERSVC	EARLY RESERVE COUNT (GLOBAL RESERVES CONVERTED TO LOCAL RESERVES) - ONLY INCREASED WHEN GVTGRSAS IS OFF (SERIALIZED BY CMS ENQ/DEQ LOCK)

Comment

Pointer to the Exit Cache

End of Comment

60	(3C)	ADDRESS	4	GVT_EXITCACHE@	Pointer to the Exit Cache
60	(3C)	BITSTRING	1	GVT_EXITCACHE@BYTE1	
		1...		GVT_CLEARCACHE	When on, indicates that the next access to the cache should clear the cache
		.111 1111		*	
61	(3D)	BITSTRING	2	GVT_EXITCACHE@BYTES2AND3	
63	(3F)	BITSTRING	1	GVT_EXITCACHE@BYTE4	
		1111 111.		*	
		.... ...1		GVT_EXITCACHEBAD	when on, cache is bad the cache addr is always on a page bndy, so if it is an odd value, then we know its bad.

Comment

THE FOLLOWING SECTION OF THE GVT IS USED PRIMARILY BY THE ENQ/DEQ MODULES OF GRS.

End of Comment

64	(40)	CHARACTER	80	GVTNQDQS	ENQ/DEQ SECTION
64	(40)	ADDRESS	8	GVTREQQ	GRS request queue consisting of QWBs queued by ISGGNRM or ISGGQWB0 (during task/asis/sysid termination) and dequeued by ISGBSM in RING mode or ISGWRP in STAR mode (Serialized by Compare and Swap logic)
				*	Unused
72	(48)	CHARACTER	4	*	Unused
76	(4C)	ADDRESS	4	GVTNQMON	ADDRESS OF BUFFER CREATED BY ENQ MONITOR
80	(50)	CHARACTER	16	*	Unused
96	(60)	CHARACTER	12	GVTLISTS	GRS RESOURCE NAME LISTS
96	(60)	ADDRESS	4	GVTSEARNL	ADDRESS OF THE SYSTEMS EXCLUSION RESOURCE NAME LIST
100	(64)	ADDRESS	4	GVTsirNL	ADDRESS OF THE SYSTEMS INCLUSION RESOURCE NAME LIST
104	(68)	ADDRESS	4	GVTrcrNL	ADDRESS OF THE RESERVE CONVERSION RESOURCE NAME LIST
108	(6C)	UNSIGNED	2	GVTGEAX	GRS EAX
110	(6E)	CHARACTER	6	*	Unused

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
116	(74)	BITSTRING	2	GVTLIVEEXITS	Indicates which exits, if any, exist Write Serialization: CMSEQDQ Lock Read Serialization: None Updated by: ISGNASIM, ISGGCSXT, ISGNWMSI
116	(74)	BITSTRING 1... .. .1. .... ..1. .... ...1 1... .... .1.. .... ..1. .... ...1	1	GVTLIVEEXITS1 GVTNXNQ GVTNXBX GVTNXQ1X GVTNXFQ GVTNXLQD GVTNXPB GVTNXCX GVTCSXFAILED	When set, there is an ISGNQXIT exit routine When set, there is an ISGNQXITBATCH exit routine When set, there is an ISGNQXITQUEUED1 exit routine When set, there is an ISGNQXITFAST exit routine When set, there is an ISGENDOFLQCB exit routine When set, there is an ISGNQXITPREBATCH exit routine When set, there is an ISGNQXITBATCHCND exit When set, ISGGCSX has failed and recovery has set all Live Exits bits on (including bits in GVTLiveExits2, below)
117	(75)	BITSTRING 1... .. .1. .... ..1. .... ...1 1111	1	GVTLIVEEXITS2 GVTSYSTEMCNFX GVTSYSPLEXCNFX GVTNXQ2X	When set, there is an ISGCNFXITSYSTEM exit routine When set, there is an ISGCNFXITSYSPLEX exit routine When set, there is an ISGNQXITQUEUED2 exit routine reserved
118	(76)	CHARACTER	10	*	Unused

Comment

The following 8 bytes were previously referenced as GVTCREQ and GVTCREQA, the unauthorized and authorized concurrent ENQ maximums. Since these fields have moved and some installations had zapped these fields, these 8 bytes are being permanently reserved to avoid data corruption.

End of Comment

128	(80)	CHARACTER	8	*	Permanently reserved. Do not use.
136	(88)	CHARACTER	8	*	Unused

Comment

THE FOLLOWING SECTION OF THE GVT IS USED PRIMARILY BY THE GRS RING PROCESSING MODULES.

End of Comment

144	(90)	CHARACTER	48	GVTRINGS	GRS RING PROCESSING SECTION
144	(90)	CHARACTER	8	GVTSYSNM	SYSNAME OF CURRENT SYSTEM
152	(98)	CHARACTER	2	*	RESERVED
154	(9A)	UNSIGNED	2	GVTSYSID	SYSID OF CURRENT SYSTEM
156	(9C)	SIGNED	4	*	RESERVED
160	(A0)	CHARACTER	8	GVTMREAT	MAINRING RSA EXPECTED ARRIVAL TIME - EXPECTED ARRIVAL TIME OF THE MAINRING RSA.
160	(A0)	BITSTRING	7	*	
167	(A7)	BITSTRING 1111 111. .... ...1	1	GVTMREATSTATUS *	
				GVTRSAST	RSA STATUS, THE LOW ORDER BIT OF GVTMREAT, IS 1 WHEN THE MAINRING RSA IS AT THIS SYSTEM OR HAS BEEN FOUND TO BE OVERDUE. WHEN 0, THE MAIN RING RSA IS NOT AT THIS SYSTEM
168	(A8)	SIGNED	4	GVTMRSCW	MAINRING SEND COMPLETION WORD - WHEN 0, THE MAINRING RSA HAS BEEN SUCCESSFULLY SENT BY CTC DRIVER
172	(AC)	SIGNED	4	GVTDMSCW	DUMMY SEND COMPLETION WORD - - WHEN 0, MESSAGES OTHER THAN THE MAINRING RSA HAVE BEEN SUCCESSFULLY SENT BY CTC DRIVER
176	(B0)	ADDRESS	4	GVTMRTQE	ADDRESS OF MAINRING RESIDENCE TIMER QUEUE ELEMENT
180	(B4)	ADDRESS	4	*	RESERVED
184	(B8)	ADDRESS	4	GVTSSRB	Address of the RSA Send SRB (Used to SCHEDULE ISGBSM)
188	(BC)	ADDRESS	4	GVTBDRMI	ADDRESS OF THE MODULE INFORMATION FOR ISGBDR

Comment

The following section of the GVT is reserved for the latch function.

End of Comment

192	(C0)	CHARACTER	4	GVTLATCH	GRS Latch control words
192	(C0)	UNSIGNED	4	GVTLPBYA	PC Number to ISGLPBYA
196	(C4)	UNSIGNED	4	GVTLCPTOK	CPOOL token of areas that are used for SRB dynamic storage by latch modules.

GVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
THE FOLLOWING SECTION OF THE GVT IS USED BY THE FAST DEQ FUNCTION					
End of Comment					
200	(C8)	CHARACTER	8	GVTFDEQF	GRS FAST DEQ FUNCTION
200	(C8)	SIGNED	2	GVTSLS	NUMBER OF ENTRIES ALLOWED IN THE FAST DEQ TABLE
202	(CA)	CHARACTER	2	GVTRRET	A BR 14 INSTRUCTION. RETURN TO CALLER-SET BY FAST DEQ SRB
204	(CC)	CHARACTER	2	GVTGRET	A BR 14 INSTRUCTION. RETURN TO CALLER-SET BY FAST DEQ GATE
206	(CE)	CHARACTER	2	*	RESERVED
Comment					
THE FOLLOWING SECTION OF THE GVT ARE CONSTANTS THAT ARE PRIMARILY USED BY THE GRS RING PROCESSING MODULES.					
End of Comment					
208	(D0)	CHARACTER	80	GVTRCNST	GRS RING PROCESSING CONSTANTS
208	(D0)	SIGNED	4	*	RESERVED
212	(D4)	SIGNED	4	GVTOLINT	TOLERANCE TIME INTERVAL - NUMBER OF MILLISECONDS BEYOND THE TIME A RING PROCESSING EVENT IS EXPECTED TO OCCUR BEFORE THAT EVENT IS CONSIDERED OVERDUE (NOTE: THIS TIME INTERVAL IS ADDED TO THE MAINRING CYCLE TIME AS WELL AS TO ALL TIME LIMITS PASSED TO ISGBCI)
216	(D8)	SIGNED	4	GVTASYOH	ADDITIONAL SYSTEM OVERHEAD VALUE - NUMBER OF MILLISECONDS ADDED TO THE MAINRING CYCLE TIME WHENEVER A SYSTEM ENTERS THE MAINRING (NOTE: THIS VALUE IS IN ADDITION TO THE RSA RESIDENCY INTERVAL OF THE ADDED SYSTEM)
220	(DC)	SIGNED	4	GVTICCEP	IMMEDIATE CCW CHANNEL END PAUSE VALUE - NUMBER OF MILLISECONDS ISGBCI WAITS BETWEEN CHECKS FOR A CHANNEL END IN RESPONSE TO AN IMMEDIATE CCW
224	(E0)	SIGNED	4	GVTICCEC	IMMEDIATE CCW CHANNEL END COUNT - NUMBER OF TIMES ISGBCI WILL CHECK FOR A CHANNEL END IN RESPONSE TO AN IMMEDIATE CCW
228	(E4)	SIGNED	4	GVTICRRP	IMMEDIATE CCW REMOTE RESPONSE PAUSE VALUE - NUMBER OF MILLISECONDS ISGBCI WAITS BETWEEN CHECKS FOR RESPONSES FROM REMOTE SYSTEMS TO WHICH AN IMMEDIATE CCW WAS ISSUED
232	(E8)	SIGNED	4	GVTICRRC	IMMEDIATE CCW REMOTE RESPONSE COUNT - NUMBER OF TIMES ISGBCI WILL CHECK FOR RESPONSES FROM ALL REMOTE SYSTEMS TO WHICH AN IMMEDIATE CCW WAS ISSUED
236	(EC)	SIGNED	4	GVTNMRRP	NON-MAINRING RSA RESOURCE PAUSE VALUE - NUMBER OF MILLISECONDS ISGBCIIR WAITS BETWEEN CHECKS FOR THE AVAILABILITY OF RESOURCES REQUIRED TO SEND THE NON-MAINRING RSA (THAT IS, RESOURCES REQUIRED TO SCHEDULE ISGBSRR)
240	(F0)	SIGNED	4	GVTNMRRC	NON-MAINRING RSA RESOURCE COUNT - NUMBER OF TIMES ISGBCIIR WILL CHECK FOR THE AVAILABILITY OF RESOURCES REQUIRED TO SEND THE NON-MAINRING RSA (THAT IS, RESOURCES REQUIRED TO SCHEDULE ISGBSRR)
244	(F4)	SIGNED	4	GVTNMRHP	NON-MAINRING RSA HOLD PAUSE VALUE - NUMBER OF MILLISECONDS ISGBCI WAITS BETWEEN REPEATED ATTEMPTS TO SEND A NON-MAINRING RSA TO A REMOTE SYSTEM
248	(F8)	SIGNED	4	GVTNHRPT	NO-HOLD RESPONSE TIME VALUE - NUMBER OF MILLISECONDS THIS SYSTEM ALLOWS A REMOTE SYSTEM TO RECEIVE A NON-MAINRING RSA, PROCESS IT, AND SEND IT BACK WITH ZERO HOLD TIME
252	(FC)	SIGNED	4	GVTHDRPT	HOLD RESPONSE TIME VALUE - NUMBER OF MILLISECONDS THIS SYSTEM ALLOWS A REMOTE SYSTEM TO RECEIVE A NON-MAINRING RSA, PROCESS IT, HOLD IT, AND SEND IT BACK
256	(100)	SIGNED	4	GVTBFTAT	BUFFER TURNAROUND TIME VALUE - NUMBER OF MILLISECONDS ISGBCI ALLOWS A REMOTE SYSTEM TO GIVE BACK THE BUFFER USED TO SEND A NON-MAINRING RSA
260	(104)	SIGNED	2	GVTTHRS	RING ACCELERATION THRESHOLD - NUMBER OF SYSTEMS INCLUDING THE SENDER WHO MUST SEE THE REQUEST BEFORE PROCESSING CAN CONTINUE
262	(106)	BITSTRING	1	GVTTWEAK	Purge messages suppression flag - when 1, do not build MRBs to issue any ISG018I messages
		1... ..		GVTSP18I	Reserved
		.111 1111		*	Reserved
263	(107)	CHARACTER	1	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The following field is used to store the instance of the cell pool residing above the bar which contains the GGRA QHTs. The instance data is a pointer to the control anchor for the cell pool.</p>					
End of Comment					
264	(108)	ADDRESS	8	GVTGGRAQHTCP64	Pointer to the cell pool residing above the bar that contains the GGRA QHT cells
272	(110)	CHARACTER	8	GVTDISABLEDFLAGS	Flags to note when certain GRS functionality has been disabled (likely by a ZAP)
272	(110)	BITSTRING	1	GVTDISABLED0	Disabled byte zero
		1...		GVTDISABLEENQCONSTATS	If on then the ENQ contention statistics have been disabled and no further stats will be recorded
		.1..		GVTDISABLELATCONSTATS	If on then the latch contention statistics have been disabled and no further stats will be recorded
		..1.		GVTDISABLENEWPELPROCESSING	Per the old way PEL overall flags will not be propagated to all PELs in an ENQ list request.
273	(111)	BITSTRING	1	GVTDISABLED1	Disabled byte one
274	(112)	BITSTRING	1	GVTDISABLED2	Disabled byte two
275	(113)	BITSTRING	1	GVTDISABLED3	Disabled byte three
276	(114)	BITSTRING	1	GVTDISABLED4	Disabled byte four
277	(115)	BITSTRING	1	GVTDISABLED5	Disabled byte five
278	(116)	BITSTRING	1	GVTDISABLED6	Disabled byte six
279	(117)	BITSTRING	1	GVTDISABLED7	Disabled byte seven
Comment					
<p>The following flags indicate functions available in GRS when delivered via PTF. Other function availability can be determined from the CVTOSLVL field: GRS=STAR mode CVTOS390_R2 ENF51 signals CVTOS390_R2 Dynamic RESMIL, TOLINT CVTOS390_R6 Synchronous Reserve (SYNCHRES) CVTOS390_R7</p>					
End of Comment					
280	(118)	CHARACTER	8	GVTFUNC5	Functions delivered via PTF
280	(118)	BITSTRING	1	GVTFUNC0	Functions byte zero
		1...		GVTRNLWC	GRSRNL wildcarding is available, when set
		1...		GVTNXXIT	ISGNXXIT installation exit point is available, when set
		.1..		GVTEXT1	ISGNXXITBATCH, ISGNXXITQUEUEED1, ISGENDOFLQCB, ISGDGRSRES installation exit points are available
		.1..		GVTPCENQ	ENQ/DEQ LINKAGE=SYSTEM is available, when set
		..1.		GVTISGEC	ISGEC interface support is available
		...1		GVTCNFXT	ISGCNFXITSYSTEM, ISGCNFXITSYSPLX installation exit points are available
		.... 1...		GVTEXT2	ISGNXXITPREBATCH, ISGNXXITBATCHCND installation exit points are available, when set
		.... .1..		GVTEXT3	ISGNXXITFAST available
		.... ..1.		GVTEXT4	Exit cache available
		.... ...1		GVTQUICKSTEP	Step hash table (GvtxStHt) and address space related storage for Qwas, Qwbs, etc. (which exist in GRS user private storage) are available. See ISGYQSSA for a description of the address space related storage.
281	(119)	BITSTRING	1	GVTFUNC1	Functions byte one
282	(11A)	BITSTRING	1	GVTFUNC2	Functions byte two
283	(11B)	BITSTRING	1	GVTFUNC3	Functions byte three
284	(11C)	BITSTRING	1	GVTFUNC4	Functions byte four
285	(11D)	BITSTRING	1	GVTFUNC5	Functions byte five
286	(11E)	BITSTRING	1	GVTFUNC6	Functions byte six
287	(11F)	BITSTRING	1	GVTFUNC7	Functions byte seven
Comment					
<p>THE FOLLOWING SECTION OF THE GVT IS USED PRIMARILY BY THE GRS CTC DRIVER MODULES.</p>					
End of Comment					

GVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
288	(120)	CHARACTER	16	GVTCTCDS	GRS CTC DRIVER SECTION
288	(120)	ADDRESS	4	GVTJGCT	ADDRESS OF THE GRS CTC DRIVER BRANCH TABLE
292	(124)	ADDRESS	4	GVTJCNFD	ADDRESS OF DATA CONTAINED IN GRSCNFXX PARMLIB MEMBER
296	(128)	ADDRESS	4	GVTJGCV	ADDRESS OF THE GRS CTC DRIVER VECTOR TABLE
300	(12C)	SIGNED	4	GVTJNPG	NUMBER OF PAGES

Comment

THE FOLLOWING SECTION OF THE GVT IS USED PRIMARILY BY THE GRS COMMAND MODULES.

End of Comment

304	(130)	CHARACTER	32	GVTGCMD5	GRS COMMAND SECTION
304	(130)	CHARACTER	8	GVTCCMDQS	GRS COMMAND QUEUES
304	(130)	CHARACTER	4	GVTCCMDRQ	COMMAND REQUEST QUEUE FOR ISGCMDR CONSISTING OF CRBS QUEUED BY ISGCMDI OR ISGBSR AS WELL AS MRBS QUEUED BY ISGBSR OR ISGGTRM0 (SERIALIZED BY COMPARE AND SWAP LOGIC)
304	(130)	BITSTRING	1	GVTCCMDRQFLAGS	NO REQUEST FLAG - WHEN 1, NO MORE REQUESTS ARE TO BE PLACED ON THE COMMAND REQUEST QUEUE
		1...		GVTNREQS	
		.111 1111		*	
305	(131)	BITSTRING	3	*	REMAINING PORTION OF THE COMMAND REQUEST QUEUE
308	(134)	ADDRESS	4	GVTCCMDWQ	COMMAND WORK QUEUE FOR ISGCMDR TO HOLD CRB/MRBS MOVED FROM THE COMMAND REQUEST QUEUE
312	(138)	ADDRESS	4	GVTCCMDCQ	COMMAND CLEANUP QUEUE FOR THE ETXR ROUTINE IN ISGCMDR CONSISTING OF CRB/MRBS QUEUED BY ISGCMDR (SERIALIZED BY COMPARE AND SWAP LOGIC)
316	(13C)	SIGNED	4	GVTCECB	ECB USED BY ISGCMDR TO WAIT FOR WORK, THIS ECB IS POSTED BY ISGCMDI, ISGBSR, OR ISGGTRM0 WHENEVER A CRB/MRB IS PLACED ON THE COMMAND REQUEST QUEUE
320	(140)	SIGNED	4	GVTCTLIM	TIME LIMIT IN UNITS OF 0.01 SECONDS FOR FUNCTIONS PERFORMED BY ISGBCI FOR GRS COMMAND MODULES
324	(144)	ADDRESS	4	GVT_MCA@	Pointer to the MCA - Migration Control Area
328	(148)	UNSIGNED	2	GVTDLAY	Delay percentage for QUIESCE cmd to wait. Value is 1.0% (X'A' = 1.0)
330	(14A)	CHARACTER	2	*	RESERVED
332	(14C)	ADDRESS	4	GVTTCQT	Pointer to Contention Queue Table

Comment

THE FOLLOWING SECTION OF THE GVT CONTAINS THOSE PC NUMBERS ASSIGNED TO GRS FUNCTIONS.

End of Comment

336	(150)	CHARACTER	56	GVTPCS	PC NUMBER SECTION
336	(150)	CHARACTER	28	*	Unused
364	(16C)	SIGNED	4	GVTSMIPC	PC NUMBER FOR ISGSMI - STORAGE MANAGER INTERFACE MODULE
364	(16C)	CHARACTER	3	*	UNUSED BITS AND LX VALUE
367	(16F)	UNSIGNED	1	GVTSMIEX	ENTRY TABLE INDEX FOR THIS PC
368	(170)	SIGNED	4	GVTTRMPC	PC NUMBER FOR ISGGTRM1 - TERMINATION RESOURCE MANAGER MODULE
368	(170)	CHARACTER	3	*	UNUSED BITS AND LX VALUE
371	(173)	UNSIGNED	1	GVTTRMEX	ENTRY TABLE INDEX FOR THIS PC
372	(174)	CHARACTER	4	*	Unused
376	(178)	SIGNED	4	GVTCSGPC	PC NUMBER FOR ISGCSETP - SET RESMIL VALUE ROUTINE
376	(178)	CHARACTER	3	*	UNUSED BITS , LX VALUE
379	(17B)	UNSIGNED	1	GVTCSSEEX	ENTRY TABLE INDEX FOR THIS PC
380	(17C)	UNSIGNED	4	GVTMONLX	LXRES FOR GRS ENQ MONITOR PC
384	(180)	SIGNED	4	GVTMONPC	PC NUMBER FOR ISGAPREC
384	(180)	CHARACTER	3	*	UNUSED BITS , LX VALUE
387	(183)	UNSIGNED	1	GVTMONEX	ENTRY TABLE INDEX FOR THIS PC
388	(184)	SIGNED	4	GVTCDAPC	PC Number for ISGCDANG
388	(184)	CHARACTER	3	*	Unused bits, LX value
391	(187)	UNSIGNED	1	GVTCDAX	Entry table index for this PC

Comment

THE FOLLOWING SECTION OF THE GVT CONTAINS ENTRY POINT ADDRESSES OF THOSE GRS MODULES OR ROUTINES THAT RESIDE IN THE NUCLEUS OR LPA AS WELL AS THOSE GRS MODULES THAT ARE USED BY ENQ/DEQ MAINLINE (ISGGNQDQ).

End of Comment

392	(188)	CHARACTER	96	GVTEPS	ENTRY POINT SECTION
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Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
392	(188)	ADDRESS	4	GVTBDR	ENTRY POINT ADDR OF ISGBDR - ESTABLISH A TIMER DIE TIME INTERVAL MODULE	
396	(18C)	ADDRESS	4	GVTBDR	ENTRY POINT ADDR OF ISGBDR - TIME EXPIRATION CHECKING ROUTINE (ENTRY POINT IN ISGBDR)	
400	(190)	ADDRESS	4	GVTCRET0	ENTRY POINT ADDR OF ISGCRET0 - ERRET MODULE FOR XM-POST OF ISGCMR	
404	(194)	ADDRESS	4	GVTCRCV	Address of ISGCRCV in ELPA	
408	(198)	ADDRESS	4	GVTLQSUS	address of IEAVLSUP, the linkage stack query/update service	
412	(19C)	ADDRESS	4	GVTGELFX	Address of ENF FLTRBLK exit, ISGGELFX	
416	(1A0)	CHARACTER	20	*	Unused	
436	(1B4)	SIGNED	4	GVT_CLEARCACHE@	ADDR of Clear Cache	
440	(1B8)	ADDRESS	4	GVTALG	Entry point address of ISGSALGN - Storage Manager 64-bit Allocation Routine for non-ASA callers	
444	(1BC)	ADDRESS	4	GVTSDAG	Entry point address of ISGSDAGN - Storage Manager 64-bit Deallocation Routine for non-ASA callers	
448	(1C0)	ADDRESS	4	GVTLRSM	IEAVTMR3 address in IEAVTRM0 This is the latch fast lock memterm resource manager	
452	(1C4)	ADDRESS	4	GVTGWAIT	ENTRY POINT ADDR OF ISGGWAIT - GRS WAIT MODULE FOR GENERAL USE (31 BIT MODE)	
456	(1C8)	CHARACTER	4	*	Unused	
460	(1CC)	ADDRESS	4	GVTALC	ENTRY POINT ADDR OF ISGSALC - STORAGE MANAGER ALLOCATION MODULE	
464	(1D0)	ADDRESS	4	GVTSDAL	ENTRY POINT ADDR OF ISGSDAL - STORAGE MANAGER DEALLOCATION MODULE	
468	(1D4)	CHARACTER	4	*	Unused	
472	(1D8)	ADDRESS	4	GVTSRNMH	Entry point addr of ISGSRNMH - Storage Manager resource name hash routine (entry point in ISGSHASH, 31 bit mode). No longer used internally by GRS, but other components call this routine for hashing their control blocks. As such, this entry point cannot be removed	
476	(1DC)	CHARACTER	12	*	Unused	

Comment

THE FOLLOWING SECTION OF THE GVT IS USED FOR THE TIMED EVENT DATA TRACE SERVICE.

End of Comment

488	(1E8)	CHARACTER	16	GVTTEDTOKEN	Token returned by TED Register service in ISGNTASC and used on subsequent TED RECORD invocations
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Comment

THE FOLLOWING SECTION OF THE GVT IS USED BY THE RNL-SEARCH FUNCTION.

End of Comment

504	(1F8)	CHARACTER	8	GVTGRHS	GRS RNL-SEARCH SECTION
504	(1F8)	ADDRESS	4	GVTGRHS0	ADDRESS OF MODULE ISGGRHS0
508	(1FC)	ADDRESS	4	GVTGRHS1	ADDRESS OF MODID INFO FOR MODULE ISGGRHS0

Comment

THE FOLLOWING SECTION OF THE GVT IS USED PRIMARILY BY THE TRACE MODULES OF GRS.

End of Comment

512	(200)	CHARACTER	8	GVTTR	GRS TRACE SECTION
512	(200)	ADDRESS	4	GVTTC@	Address of the GRS trace control area in common
516	(204)	BITSTRING	4	GVTTFLAG	GRS Trace flags: when 1, tracing is active. when 0, tracing is not active.
516	(204)	BITSTRING	1	GVTTFLAG1	
		1...		GVTTCNTL	Selected event tracing
		.1.		GVTTRSA	RSA tracing
		..1.		GVTTSIGN	Signalling tracing
		...1		GVTTREQ	Request tracing
		.... 1..		GVTTMON	Monitor tracing
		.... .111		*	Reserved
517	(205)	BITSTRING	3	*	Reserved

GVT Map

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

THE FOLLOWING SECTION OF THE GVT CONTAINS XCF RELATED INFORMATION.

End of Comment					
520	(208)	CHARACTER	32	GVTXCF	XCF SECTION
520	(208)	ADDRESS	4	GVTRSVX	POINTER TO RSVX
524	(20C)	BITSTRING	8	GVTSTATF	Status field containing GRS member information used by XCF monitoring. This field is modified to signal that work is in progress.
532	(214)	BITSTRING 1...	2	GVTXCFFL GVTMULTS	GRS XCF Flags System is to be IPLed into an XCF multisystem environment, so GRS must be active
532	(214)	BITSTRING	1	*	RESERVED
534	(216)	CHARACTER	2	*	RESERVED
536	(218)	ADDRESS	8	GVTSTARSTATUS	Status field for STAR mode that will never change, so XCF will continually poll for our status. This provides an implicit test of the health of our address space and its ability to run SRBs. This field contains a ptr to a data area mapped in ISGXSTAX. See the usage for more details
544	(220)	UNSIGNED	4	GVTSYSTEMFDI	In hundredths of a second. For comparison to determine if this system's FDI changed This is only set in STAR Mode
548	(224)	CHARACTER	4	*	RESERVED

THE FOLLOWING SECTION OF THE GVT CONTAINS DYNAMIC RNL RELATED FIELDS

End of Comment					
552	(228)	CHARACTER	56	GVTDRNL	Dynamic RNL fields
552	(228)	CHARACTER	16	GVTDEPS	Dynamic RNL entry points
552	(228)	ADDRESS	4	GVTGDRQU	Used to call ISGGDRQU
556	(22C)	CHARACTER	8	*	Reserved. Not used
564	(234)	ADDRESS	4	GVTRNLUF	Used to call ISGRNLUF
568	(238)	CHARACTER	32	GVTDWA	Work area pointers
568	(238)	ADDRESS	4	GVTDRQUL	Work area for ISGGDRQU - serialized by CMSEQDQ lock, local requests
572	(23C)	ADDRESS	4	GVTDRQUG	Work area for ISGGDRQU - serialized by GRS local lock, global requests
576	(240)	CHARACTER	12	*	Unused
588	(24C)	ADDRESS	4	GVTRCANW	Work area for ISGGRCAN - serialized by CMSEQDQ lock.
592	(250)	ADDRESS	4	GVTRUFGW	Work area for ISGRNLUF - serialized by GRS local lock, global requests
596	(254)	ADDRESS	4	GVTRUFLW	Work area for ISGRNLUF - serialized by CMSEQDQ lock, local requests
600	(258)	CHARACTER	8	GVTMISC	Miscellaneous fields
600	(258)	ADDRESS	4	GVTRCA	Address of RNL Change Area (RCA)
604	(25C)	BITSTRING 1... .... .1. .... ..1. .... ...1	1	GVTFLAGS GVTNOQRT GVTSQVAL GVTRNLIP GVTMAYREVERTNONE	FLags Turns off QRT compression There is a valid suspend queue anchored in the RCA There is an RNL change in progress. The RING server has not yet fully started and it might end up reverting back to NONE mode (or already has reverted back to NONE). What this means is the CMSEQDQ lock must be obtained and the mode checked before queuing a request to the RING global processor.
605	(25D)	CHARACTER 1111	3	*	Reserved Reserved

THE FOLLOWING SECTION OF THE GVT IS USED FOR RESERVE RELATED FUNCTIONS.

End of Comment					
608	(260)	CHARACTER	4	*	Unused
612	(264)	ADDRESS	4	GVTRSTRT	Address of Reserve-Start routine (ISGGRSVS)
616	(268)	CHARACTER	4	*	unused
620	(26C)	ADDRESS	4	GVTCOMMONWORKAREA@	CommonWorkArea ptr - Serialized by CMSEQDQ lock. Points to an 8 page workarea above the line in Common

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

THE FOLLOWING FIELDS ARE USED FOR STAR-MODE PROCESSING

End of Comment					
624	(270)	CHARACTER	4	*	Unused
628	(274)	SIGNED	4	GVTSECB	System Server task's master ECB that is waited on when waiting for work.
632	(278)	CHARACTER	8	*	Unused
640	(280)	SIGNED	4	GVTITECB	Initialization task's master ECB that is waited on when waiting for work.
644	(284)	ADDRESS	4	*	Reserved
648	(288)	ADDRESS	4	GVTDSL@	Address of the SUMLIST used for dumping during Star-mode recovery processing
652	(28C)	BITSTRING	1	*	Unused
653	(28D)	CHARACTER	3	*	Reserved

The following are the trace control bits for Star mode code. Each word represents a major option and logically consists of 16 bit pairs. Each bit pair represents one of the 16 sub-options for that major option. The first pair (high-order two) represents sub-option 0, the next pair sub-option 1, etc. For a given pair, the high-order bit will be on if the events of the sub-option it represents are to be traced. The second bit will be on if tracing for these events is to be limited.

The ISGTRACE macro requires that the names of the bits consist of GVTZ followed by the first four letters of the name of the major option.

End of Comment					
656	(290)	BITSTRING	4	GVTZCONT	CONTROL option flags
660	(294)	BITSTRING	4	GVTZREQU	REQUEST option flags
664	(298)	BITSTRING	4	GVTZMONI	MONITOR option flags
668	(29C)	BITSTRING	4	GVTZSIGN	SIGNAL option flags
672	(2A0)	BITSTRING	4	GVTZFLOW	FLOW option flags
676	(2A4)	CHARACTER	8	*	Reserved

The following two declares are for issuing waitstate messages via ISGZLDWT. The minimal assumption is that the GVT will be available to make such requests. If the GVT is unavailable, ABEND 09A/mmC0 - 'C0'X indicates a bad control block was detected.

End of Comment					
684	(2AC)	ADDRESS	4	GVTNLDWX	Address of ISGNLDWX
688	(2B0)	ADDRESS	4	GVTMIMSP	Address of ISGMIMSP
692	(2B4)	ADDRESS	4	GVTMTVT@	LPA module table address
696	(2B8)	BITSTRING	8	GVTLRNLC	TOD last RNL change
704	(2C0)	CHARACTER	24	*	unused
728	(2D8)	UNSIGNED	4	GVTGRSQ	GRSQ indication, defaulted to GVT_kGRSQ_ALL
732	(2DC)	CHARACTER	20	*	Unused
752	(2F0)	ADDRESS	8	GVTGVTX64	64-bit pointer to GVTX
760	(2F8)	CHARACTER	0	GVTEND	END OF GVT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	80	GVTMTVTAREA	
0	(0)	ADDRESS	4	GVTMTVT	LPA mod table (4294967316:562181480)

GVT Constants • GVT Cross Reference

GVT Constants

Len	Type	Value	Name	Description
Comment				
GVT CONSTANTS FOR DYNAMIC RNLS				
End of Comment				
4	DECIMAL	512	GVTDWASZ	Size of work area GVTDRQUL, GVTDRQUG, GVTNRNCW, AND
4	DECIMAL	32768	KGVTCOMMONWORKAREASIZE	
Comment				
GVT CONSTANTS FOR GVTGRSQ				
End of Comment				
4	DECIMAL	0	GVT_KGRSQ_ALL	All QScan information gathered for dump
4	DECIMAL	1	GVT_KGRSQ_CONTENTION	QScan from dump specifies WaitCnt=1
4	DECIMAL	2	GVT_KGRSQ_LOCAL	QScan from dump specifies XSys=NO

GVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GVT	0		GVTCSXFAILED	74	01
GVT_CLEARCACHE			GVTCTCDS	120	
GVT_CLEARCACHE@	3C	80	GVTCTLIM	140	
GVT_EXITCACHE@	1B4		GVTDEPS	228	
GVT_EXITCACHE@			GVTDISABLEDFLAGS		
GVT_EXITCACHE@BYTES2AND3	3C		GVTDISABLED0	110	
GVT_EXITCACHE@BYTE1	3D		GVTDISABLED1	111	
GVT_EXITCACHE@BYTE4	3C		GVTDISABLED2	112	
GVT_EXITCACHE@BYTE4	3F		GVTDISABLED3	113	
GVT_EXITCACHEBAD			GVTDISABLED4	114	
GVT_MCA@	3F	01	GVTDISABLED5	115	
GVTASYOH	144		GVTDISABLED6	116	
GVTBURJN	D8		GVTDISABLED7	117	
GVTBURST	8	01	GVTDISABLEENQCONTSTATS	110	80
GVTBDR	8	08	GVTDISABLELATCONTSTATS	110	40
GVTBDRC	188		GVTDISABLENEWPELPROCESSING	110	20
GVTBDRMI	18C		GVTDLAY	148	
GVTBFTAT	BC		GVTDMSCW	AC	
GVTCDAX	100		GVTDRNL	228	
GVTCDAPC	187		GVTDRQUG	23C	
GVTCECB	184		GVTDRQUL	238	
GVTCMDQ	13C		GVTDSL@	288	
GVTCMDQS	138		GVTDWA	238	
GVTMDRQ	130		GVTELRSM	1C0	
GVTMDRQFLAGS1	130		GVTENBLHOTCMG	A	80
GVTMDWQ	134		GVTEND	2F8	
GVTMPAT	C		GVTENFLG	A	
GVTNCFER	9	80	GVTEPS	188	
GVTNCFXT	118	10	GVTERRACONSTRAINED		
KGVTCOMMONWORKAREA@	26C		GVTERSVC	38	80
GVTQCT	14C		GVTEXTIT1	118	40
GVTGRCV	194		GVTEXTIT2	118	08
GVTCRET0	190		GVTEXTIT3	118	04
GVTCS	20		GVTEXTIT4	118	02
GVTCSSEEX	17B		GVTFDEQF	C8	
GVTCSSEPC	178		GVTFLAGS	25C	
GVTCSFLG	20		GVTFUNCS	118	
GVTCSGRSCONSTRAINED			GVTFUNC0	118	
GVTCSRSV	21		GVTFUNC1	119	
	22		GVTFUNC2	11A	
			GVTFUNC3	11B	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
GVTFUNC4	11C		GVTMTVT	0	
GVTFUNC5	11D		GVTMTVT@	2B4	
GVTFUNC6	11E		GVTMTVTAREA	0	
GVTFUNC7	11F		GVTMULTS	214	80
GVTGALET	24		GVTNCMDR	4	08
GVTGASCB	14		GVTNCOMM	8	80
GVTGCMD5	130		GVTNHRPT	F8	
GVTGDRQU	228		GVTNLDWX	2AC	
GVTGEAX	6C		GVTNMRHP	F4	
GVTGELFX	19C		GVTNMRRRC	F0	
GVTGGRAQHTCP64			GVTNMRRP	EC	
	108		GVTNOCTC	9	10
GVTGQDMG	5	80	GVTNONE	6	20
GVTGRET	CC		GVTNOQRT	25C	80
GVTGRHS	1F8		GVTNQDQS	40	
GVTGRHS0	1F8		GVTNQMON	4C	
GVTGRHS1	1FC		GVTNQXIT	118	80
GVTGRPRB	18		GVTNREQS	130	80
GVTGRQACONSTRAINED			GVTNTCB	28	
	21	40	GVTNTLIM	34	
GVTGRSAS	4	80	GVTNXBX	74	40
GVTGRSNA	4	40	GVTNXCB	74	02
GVTGRSOP	6		GVTNXFB	74	10
GVTGRSPC	4	20	GVTNXLQD	74	08
GVTGRSQ	2D8		GVTNXNQ	74	80
GVTGRSRP	8		GVTNXPB	74	04
GVTGSECT	4		GVTNXQ1X	74	20
GVTGSFLG	4		GVTNXQ2X	75	20
GVTGVTX	10		GVTOLINT	D4	
GVTGVTX64	2F0		GVTPCENQ	118	40
GVTGWAIT	1C4		GVTPCS	150	
GVTHDRPT	FC		GVTPRGOK	4	10
GVTICCEC	E0		GVTPRMLB	9	
GVTICCEP	DC		GVTQMRGA	5	20
GVTICRRC	E8		GVTQSFLG	5	
GVTICRRP	E4		GVTQUICKSTEP	118	01
GVTID	0		GVTRCA	258	
GVTINACT	8	20	GVTRCANW	24C	
GVTINITS	28		GVTRCNST	D0	
GVTISGEC	118	20	GVTRCRNL	68	
GVTITECB	280		GVTRREQQ	40	
GVTJCNFD	124		GVTRINGS	90	
GVTJGCT	120		GVTRNLEA	7	08
GVTJGCV	128		GVTRNLER	9	40
GVTJNPG	12C		GVTRNLIP	25C	20
GVTJOIN	6	40	GVTRNLUF	234	
GVTJSRBS	8	04	GVTRNLVC	7	80
GVTLATCH	C0		GVTRNLWC	118	80
GVTLCPTOK	C4		GVTRRET	CA	
GVTLISTS	60		GVTRSAST	A7	01
GVTLIVEEXITS	74		GVTRSE	1C	
GVTLIVEEXITS1			GVTRSSRB	B8	
	74		GVTRSTRT	264	
GVTLIVEEXITS2			GVTRSVX	208	
	75		GVTRUFGW	250	
GVTLPBYA	C0		GVTRUFLW	254	
GVTLQDMG	5	40	GVTSALC	1CC	
GVTLRNLC	2B8		GVTSALG	1B8	
GVTLSQUS	198		GVTS DAG	1BC	
GVTMAINR	8	40	GVTS DAL	1D0	
GVTMAYREVERTTONONE			GVT SERNL	60	
	25C	10	GVT SIRNL	64	
GVTMIMSP	2B0		GVT SLTS	C8	
GVTMISC	258		GVTSMIEX	16F	
GVTMONEX	183		GVTSMIPC	16C	
GVTMONITOR	20	20	GVTSP18I	106	80
GVTMONLX	17C		GVTSQVAL	25C	40
GVTMONPC	180		GVTSRNMH	1D8	
GVTMREAT	A0		GVTSSECB	274	
GVTMREATSTATUS			GVTSTAR	6	08
	A7		GVTSTARSTATUS		
GVTMRSCW	A8			218	
GVTMRTQE	B0		GVTSTART	6	80
GVTMSICP	4	02	GVTSTATF	20C	

GVT Cross Reference

Name	Hex Offset	Hex Value
GVTSTEPQUEUEDAMAGE		
	5	10
GVTSYNCH	20	80
GVTSYNCHDISABLED		
	20	40
GVTSYSID	9A	
GVTSYSNM	90	
GVTSYSPLEXCNFX		
	75	40
GVTSYSTEMCNFX		
	75	80
GVTSYSTEMFDI	220	
GVTSYSZTIOTMAXDEFER		
	2C	
GVTTCA@	200	
GVTTCNTL	204	80
GVTTEDTOKEN	1E8	
GVTTFLAG	204	
GVTTFLAG1	204	
GVTTTHRS	104	
GVTTMON	204	08
GVTTR	200	
GVTTREQ	204	10
GVTTRMEX	173	
GVTTRMPC	170	
GVTTRSA	204	40
GVTTRYJN	6	10
GVTTSIGN	204	20
GVTTWEAK	106	
GVTVCRNL	7	10
GVTVERNL	7	40
GVTVFLAG	7	
GTVIRNL	7	20
GVTXCF	208	
GVTXCFFL	214	
GVTZCONT	290	
GVTZFLOW	2A0	
GVTZMONI	298	
GVTZREQU	294	
GVTZSIGN	29C	

GWT Information

GWT Heading Information

Common Name: VSM Get Region Work Table
Macro ID: IHAGWT
DSECT Name: GWT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 253
 Key: 0
Size: 12 bytes
Created by: IEFSD263
Serialization: None
Function: Interface to VSM GET/FREE REGION routines.

GWT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	GWT	GETREGION WORK TABLE
0	(0)	ADDRESS	4	GWTVRRST	V=R RESTART START ADDRESS, OR 0
4	(4)	ADDRESS	4	GWTEVVST	EXTD V=V START ADDR FOR RESTART
8	(8)	ADDRESS	4	GWTECB	ECB ADDRESS FOR V=R PROCESSING
12	(C)	CHARACTER	0	GWTEEND	END OF GWT

HCL Information

HCL Programming Interface information

Programming Interface information

HCL

End of Programming Interface information

HCL Heading Information • HCL Map

HCL Heading Information

Common Name: HARDCOPY LOG FORMAT (HCL OR HCR)
Macro ID: IHAHCLLOG
DSECT Name: HCL OR HCRREQ
Owning Component: CONSOLE (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: 55 BYTES PLUS A FIELD OF VARIABLE LENGTH AT OFFSET
 55 (when the system is using a 2-digit year).
 If system is using 4-digit years in the log
 (HCFORMAT(CENTURY) was specified in CONSOLxx) ,
 then the size is 57 bytes, plus a field of variable
 length at offset 57.
Created by: N/A
Pointed to by: N/A
Serialization: NONE
Function: MAPS HARDCOPY LOG RECORDS

HCL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HCL	HARDCOPY LOG RECORD
0	(0)	X'0'	0	HCLHEAD	"" HEADER INFORMATION
0	(0)	CHARACTER	2	HCLRECID (0)	RECORD ID
0	(0)	CHARACTER	1	HCLRECTP	RECORD TYPE
0	(0)	X'D5'	0	HCLWTO	"C'N" SINGLE-LINE MESSAGE
0	(0)	X'E6'	0	HCLWTOR	"C'W" SINGLE-LINE MESSAGE WITH REPLY
0	(0)	X'D4'	0	HCLMLWTO	"C'M" FIRST LINE OF A MULTI-LINE MESSAGE
0	(0)	X'D6'	0	HCLLOG	"C'O" LOG COMMAND INPUT
0	(0)	X'E7'	0	HCLOTHER	"C'X" ENTRY FROM A SOURCE OTHER THAN HARDCOPY OR LOG COMMAND
0	(0)	X'E2'	0	HCLSPLIT	"C'S" CONTINUATION OF PREVIOUS LINE
0	(0)	X'D3'	0	HCLLABEL	"C'L" LABEL LINE OF A MULTI-LINE MESSAGE "
0	(0)	X'C4'	0	HCLDATA	"C'D" DATA LINE OF A MULTI-LINE MESSAGE
0	(0)	X'C5'	0	HCLDTEND	"C'E" DATA/END LINE OF A MULTI-LINE MESSAGE
1	(1)	CHARACTER	1	HCLREQTP	REQUEST TYPE
1	(1)	X'C3'	0	HCLCMD	"C'C" COMMAND ISSUED BY OPERATOR
1	(1)	X'D9'	0	HCLRESP	"C'R" COMMAND RESPONSE
1	(1)	X'C9'	0	HCLINTNL	"C'I" INTERNAL ISSUED COMMAND
1	(1)	X'E4'	0	HCLUNKID	"C'U" COMMAND FROM UNKNOWN CONSOLE ID
2	(2)	CHARACTER	7	HCLROUTC	ROUTING CODES
9	(9)	CHARACTER	1		BLANK
10	(A)	CHARACTER	8	HCLSYSID	SYSTEM NAME
18	(12)	CHARACTER	1		BLANK
19	(13)	CHARACTER	5	HCLDATE (0)	JULIAN DATE OF MESSAGE - YYDDD
19	(13)	CHARACTER	2	HCLYEAR	YEAR YY
21	(15)	CHARACTER	3	HCLDAY	DAY OF YEAR DDD
24	(18)	CHARACTER	1	HCLFRMT	BLANK
25	(19)	CHARACTER	11	HCLTIME (0)	TIME MESSAGE WAS ISSUED - HH:MM:SS.TH
25	(19)	CHARACTER	2	HCLHR	HOURS HH
27	(1B)	CHARACTER	1	HCLCOLN1	COLON :
28	(1C)	CHARACTER	2	HCLMIN	MINUTES MM
30	(1E)	CHARACTER	1	HCLCOLN2	COLON :
31	(1F)	CHARACTER	2	HCLSEC	SECONDS SS
33	(21)	CHARACTER	1	HCLDOT1	DECIMAL POINT .
34	(22)	CHARACTER	2	HCLTHSEC	.01 SECONDS TH
36	(24)	CHARACTER	1		BLANK
37	(25)	CHARACTER	8	HCLCONID (0)	ID OF CONSOLE THAT ISSUED COMMAND - APPEARS ON FIRST/ONLY LINE OF COMMANDS AND COMMAND RESPONSES
37	(25)	CHARACTER	8	HCLJOBID (0)	ID OF JOB THAT ISSUED MESSAGE - APPEARS ON FIRST/ONLY LINE OF OTHER MESSAGES
37	(25)	CHARACTER	5		RESERVED
42	(2A)	CHARACTER	3	HCLMLID	MULTI-LINE MESSAGE ID - APPEARS ON ADDITIONAL LINES OF MULTI-LINE MESSAGES
45	(2D)	CHARACTER	1		BLANK
46	(2E)	CHARACTER	8	HCLREQFL	USER EXIT/MPF REQUEST FLAGS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>WHEN THIS PRINTABLE HEX VALUE IS CONVERTED TO BINARY, THE RESULTING BITS HAVE THE FOLLOWING DEFINITIONS ASSOCIATED WITH THEM.</p> <p>REQUEST FLAGS BYTE 1</p> <p>BIT POSITION X'80' - MESSAGE TEXT WAS CHANGED</p> <p>BIT POSITION X'40' - ROUTING CODES WERE CHANGED</p> <p>BIT POSITION X'20' - DESCRIPTOR CODES WERE CHANGED</p> <p>BIT POSITION X'10' - MESSAGE WAS QUEUED TO A PARTICULAR ACTIVE CONSOLE</p> <p>BIT POSITION X'08' - RESERVED</p> <p>BIT POSITION X'04' - MESSAGE WAS QUEUED BY ROUTING CODES ONLY</p> <p>BIT POSITION X'02' - THE CONSOLE ID TO WHICH THE MESSAGE WAS QUEUED, WAS CHANGED</p> <p>BIT POSITION X'01' - MINOR LINES WERE PROCESSED</p> <p>REQUEST FLAGS BYTE 2</p> <p>BIT POSITION X'80' - MESSAGE WAS DELETED</p> <p>BIT POSITION X'40' - MPF SUPPRESSION OVERRIDDEN</p> <p>BIT POSITION X'20' - MESSAGE WAS FORCED TO HARDCOPY</p> <p>BIT POSITION X'10' - MESSAGE BYPASSED HARDCOPY</p> <p>BIT POSITION X'08' - MESSAGE WAS FORCED TO HARDCOPY ONLY</p> <p>BIT POSITION X'04' - MESSAGE WAS BROADCASTED TO ACTIVE CONSOLES</p> <p>BIT POSITION X'02' - BROADCASTING OF MESSAGE WAS TURNED OFF</p> <p>BIT POSITION X'01' - A USER EXIT REQUESTED THAT THIS MESSAGE NOT BE RETAINED</p> <p>REQUEST FLAGS BYTE 3</p> <p>BIT POSITION X'80' - A USER EXIT REQUESTED THAT THIS MESSAGE BE RETAINED</p> <p>BIT POSITION X'40' - CHANGE THE RETRIEVAL KEY</p> <p>BIT POSITION X'20' - CHANGE THE 4-BYTE CONSOLE ID</p> <p>BIT POSITION X'10' - CHANGE THE MESSAGE TYPE FLAGS</p> <p>BIT POSITION X'08' - AUTOMATION IS NOT REQUIRED</p> <p>BIT POSITION X'04' - AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN</p> <p>BIT POSITION X'02' - MESSAGE WAS ISSUED AS HARDCOPY ONLY</p> <p>BIT POSITION X'01' - RESERVED IN JBB7727 (WAS UD INDICATOR)</p> <p>SUPPRESSION FLAGS BYTE 4</p> <p>BIT POSITION X'80' - MESSAGE NOT SERVICED BY ANY WTO USER EXIT</p> <p>BIT POSITION X'40' - WTO USER EXIT ABENDED PROCESSING THIS MESSAGE</p> <p>BIT POSITION X'20' - MESSAGE NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST</p> <p>BIT POSITION X'10' - AUTOMATION REQUESTED</p> <p>BIT POSITION X'08' - Message Flood Automation processed this message</p> <p>BIT POSITION X'04' - MESSAGE SUPPRESSED BY A SUBSYSTEM</p> <p>BIT POSITION X'02' - MESSAGE SUPPRESSED BY A WTO USER EXIT ROUTINE</p> <p>BIT POSITION X'01' - MESSAGE SUPPRESSED BY MPF or Message Flood Automation</p>					
End of Comment					
54	(36)	CHARACTER	1		BLANK
54	(36)	X'37'	0	HCLHEADL	**-HCLHEAD" LENGTH OF HEADER
54	(36)	X'37'	0	HCLTEXT	*** MESSAGE OR COMMAND TEXT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HCRREC	HARDCOPY LOG RECORD WITH A DATE OF THE FORM YYYYDD

HCL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	HCRHEAD	"" HEADER INFORMATION
0	(0)	CHARACTER	2	HCRRECID (0)	RECORD ID
0	(0)	CHARACTER	1	HCRRECTP	RECORD TYPE
0	(0)	X'D5'	0	HCRWTO	"C'N'" SINGLE-LINE MESSAGE
0	(0)	X'E6'	0	HCRWTOR	"C'W'" SINGLE-LINE MESSAGE WITH REPLY
0	(0)	X'D4'	0	HCRMLWTO	"C'M'" FIRST LINE OF A MULTI-LINE MESSAGE
0	(0)	X'D6'	0	HCRLOG	"C'O'" LOG COMMAND INPUT
0	(0)	X'E7'	0	HCROTHER	"C'X'" ENTRY FROM A SOURCE OTHER THAN HARDCOPY OR LOG COMMAND
0	(0)	X'E2'	0	HCRSPLIT	"C'S'" CONTINUATION OF PREVIOUS LINE
0	(0)	X'D3'	0	HCRLABEL	"C'L' LABEL LINE OF A MULTI-LINE MESSAGE "
0	(0)	X'C4'	0	HCRDATA	"C'D'" DATA LINE OF A MULTI-LINE MESSAGE
0	(0)	X'C5'	0	HCRDTEND	"C'E'" DATA/END LINE OF A MULTI-LINE MESSAGE
1	(1)	CHARACTER	1	HCRREQTP	REQUEST TYPE
1	(1)	X'C3'	0	HCRCMD	"C'C'" COMMAND ISSUED BY OPERATOR
1	(1)	X'D9'	0	HCRRESP	"C'R'" COMMAND RESPONSE
1	(1)	X'C9'	0	HCRINTNL	"C'I'" INTERNAL ISSUED COMMAND
1	(1)	X'E4'	0	HCRUNKID	"C'U'" COMMAND FROM UNKNOWN CONSOLE ID
2	(2)	CHARACTER	7	HCRROUTC	ROUTING CODES
9	(9)	CHARACTER	1		BLANK
10	(A)	CHARACTER	8	HCRSYSID	SYSTEM NAME
18	(12)	CHARACTER	1		BLANK
19	(13)	CHARACTER	7	HCRDATE (0)	JULIAN DATE OF MESSAGE - YYYYDDD
19	(13)	CHARACTER	2	HCRCENT	CENTURY YY
21	(15)	CHARACTER	5	HCRYDDDD (0)	OLD FORMAT OF DATE - YYDDD
21	(15)	CHARACTER	2	HCRYEAR	YEAR YY
23	(17)	CHARACTER	3	HCRDAY (0)	DAY OF YEAR DDD
23	(17)	CHARACTER	1		FIRST DIGIT OF DAY OF YEAR
24	(18)	CHARACTER	1	HCRFRMT	SECOND DIGIT OF DAY OF YEAR IF THIS FIELD IS A BLANK THEN THE HCL MAPPING SHOULD BE USED TO MAP THE HARDCOPY LOG RECORD
25	(19)	CHARACTER	1		LAST DIGIT OF DAY OF YEAR
26	(1A)	CHARACTER	1		BLANK
27	(1B)	CHARACTER	11	HCRTIME (0)	TIME MESSAGE WAS ISSUED - HH:MM:SS.TH
27	(1B)	CHARACTER	2	HCRHR	HOURS HH
29	(1D)	CHARACTER	1	HRCOLN1	COLON :
30	(1E)	CHARACTER	2	HCRMIN	MINUTES MM
32	(20)	CHARACTER	1	HRCOLN2	COLON :
33	(21)	CHARACTER	2	HCRSEC	SECONDS SS
35	(23)	CHARACTER	1	HCRDOT1	DECIMAL POINT .
36	(24)	CHARACTER	2	HCRTHSEC	.01 SECONDS TH
38	(26)	CHARACTER	1		BLANK
39	(27)	CHARACTER	8	HCRCONID (0)	ID OF CONSOLE THAT ISSUED COMMAND - APPEARS ON FIRST/ONLY LINE OF COMMANDS AND COMMAND RESPONSES
39	(27)	CHARACTER	8	HCRJOBID (0)	ID OF JOB THAT ISSUED MESSAGE - APPEARS ON FIRST/ONLY LINE OF OTHER MESSAGES
39	(27)	CHARACTER	5		RESERVED
44	(2C)	CHARACTER	3	HCRMLID	MULTI-LINE MESSAGE ID - APPEARS ON ADDITIONAL LINES OF MULTI-LINE MESSAGES
47	(2F)	CHARACTER	1		BLANK
48	(30)	CHARACTER	8	HCRREQFL	USER EXIT/MPF REQUEST FLAGS - See description after HCLREQFL
56	(38)	CHARACTER	1		BLANK
56	(38)	X'39'	0	HCRHEADL	""-HCRHEAD" LENGTH OF HEADER
56	(38)	X'39'	0	HCRTEXT	"" MESSAGE OR COMMAND TEXT

Comment

MISCELLANEOUS CONSTANTS

End of Comment

56	(38)	X'7A'	0	HCLCOLON	"C:'" COLON FOR TIMESTAMP
56	(38)	X'4B'	0	HCLDOT	"C.'" DECIMAL POINT FOR TIMESTAMP
56	(38)	X'40'	0	HCLBLANK	"C' '" BLANK FOR COLUMN SEPARATION

HCL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HCL	0		HCRSYSID	A	
HCLBLANK	38	40	HCRTEXT	38	39
HCLCMD	1	C3	HCRTHSEC	24	
HCLCOLN1	1B		HCRTIME	1B	
HCLCOLN2	1E		HCRUNKID	1	E4
HCLCOLON	38	7A	HCRWTO	0	D5
HCLCONID	25		HCRWTOR	0	E6
HCLDATA	0	C4	HCRYEAR	15	
HCLDATE	13		HCRYEYDDD	15	
HCLDAY	15				
HCLDOT	38	4B			
HCLDOT1	21				
HCLDTEND	0	C5			
HCLFRMT	18				
HCLHEAD	0	0			
HCLHEADL	36	37			
HCLHR	19				
HCLINTNL	1	C9			
HCLJOBID	25				
HCLLABEL	0	D3			
HCLLOG	0	D6			
HCLMIN	1C				
HCLMLID	2A				
HCLMLWTO	0	D4			
HCLOTHER	0	E7			
HCLRECID	0				
HCLRECTP	0				
HCLREQFL	2E				
HCLREQTP	1				
HCLRESP	1	D9			
HCLROUTC	2				
HCLSEC	1F				
HCLSPLIT	0	E2			
HCLSYSID	A				
HCLTEXT	36	37			
HCLTHSEC	22				
HCLTIME	19				
HCLUNKID	1	E4			
HCLWTO	0	D5			
HCLWTOR	0	E6			
HCLYEAR	13				
HCRCENT	13				
HCRCMD	1	C3			
HRCOLN1	1D				
HRCOLN2	20				
HRCONID	27				
HCRDATA	0	C4			
HCRDATE	13				
HCRDAY	17				
HCRDOT1	23				
HCRDTEND	0	C5			
HCRFRMT	18				
HCRHEAD	0	0			
HCRHEADL	38	39			
HCRHR	1B				
HCRINTNL	1	C9			
HCRJOBID	27				
HCRLABEL	0	D3			
HCRLOG	0	D6			
HCRMIN	1E				
HCRMLID	2C				
HCRMLWTO	0	D4			
HCROTHER	0	E7			
HCRREC	0				
HCRRECID	0				
HCRRECTP	0				
HCRREQFL	30				
HCRREQTP	1				
HCRRESP	1	D9			
HCRROUTC	2				
HCRSEC	21				
HCRSPLIT	0	E2			

HIDT Information

HIDT Heading Information

Common Name: HOT I/O Detection Table
Macro ID: IOSDHIDT
DSECT Name: HIDT
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: 'IOSRHIDT'
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 245
 Key: 0
 Data Space: N/A
 Residency: Nucleus
Size: 170-Bytes
Created by: IOSRHIDT
Pointed to by: N/A
Serialization: HIDHOTQ, HIDSCDAN and HIDPCNT are serialized via the HOT I/O Synchronization Lock
Function:

This macro maps the HOT I/O detection table. It contains the threshold value used to determine if HOT I/O is occurring and contains anchors to control blocks used in determining and processing HOT I/O conditions.

Notes: The assembler version of this macro is used to generate the CSECT. The threshold and default processing flags can be altered by using the following keywords:

DVTHRS - Device Threshold Value used to determine how many consecutive unsolicited interrupts must occur for a given device before the device is considered "hot".

Optional.

Default = 100

DFLT110, DFLT111 and DFLT112 are the parameters which are used to describe the default recovery actions for non-serial devices.

DFLT110=(Non-recursive Recovery Action, Recursive Recovery Action)

- Recovery processing action to be taken in response to the conditions which would result in the IOS110D message being issued (ie: The hot device is not DASD). If a recovery action is supplied, the IOS110D message will not be issued since the reason for the message is to obtain the recovery action from the operator. However, an informational message (IOS109I) will be issued to inform the operator that a hot I/O condition has occurred and the recovery action taken.

- Valid action values are:

CHPK - Try to recover the channel path and leave it online if channel path recovery is successful.

CHPF - Force the channel path offline (the same processing done for the operator command 'VARY CHP(xx) FORCE' will be done).

BOX - Box the device

- Optional

- Default - Issue the IOS110D message and

HIDT Map

obtain recovery action from the operator.

DFLT111=(Non-recursive Recovery Action, Recursive Recovery Action)

- Same as DFLT110, except that this variable is associated with the IOS111D message (Ie: The Hot device is a non-reserved DASD).

- Optional

- Default - Issue the IOS111D message and obtain recovery action from operator

DFLT112=(Non-recursive Recovery Action, Recursive Recovery Action)

- Same as DFLT110, except that this variable is associated with the IOS112D message (Ie: The hot device is a reserved DASD).

- Optional

- Default - Issue the IOS112D message and obtain recovery action from operator.

SDFT110, SDFT111 and SDFT112 are the parameters which are used to describe the default recovery actions for serial devices.

- valid actions are:

CHPK - try to recover the channel path and leave it online if channel path recovery is successful

CHPF - force the channel path offline, (the same processing done for the operator command V CHP(XX),FORCE will be done)

BOX - box the device

CUK - let channel path recovery attempt control unit recovery

SDFT110=(non-recursive recovery action, recursive recovery action)

- specifies the recovery action to be taken for a non-DASD, non-dynamic pathing device.

- OPTIONAL

- DEFAULT = Issue IOS110D message and obtain recovery action from operator.

SDFT111=(non-recursive recovery action, recursive recovery action)

- specifies the recovery action to be taken for a DASD or dynamic pathing device that is not reserved/assigned.

- OPTIONAL

- DEFAULT = Issue IOS111D message and obtain recovery action from operator.

SDFT112=(non-recursive recovery action, recursive recovery action)

- specifies the recovery action to be taken for a DASD or a dynamic pathing device that is reserved/assigned.

- OPTIONAL

- DEFAULT = Issue IOS112D message and obtain recovery action from operator.

HIDT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	368	HIDT	Hot I/O detection table
0	(0)	CHARACTER	24	HIDMODID	MODID information
24	(18)	UNSIGNED	2	HIDDVTHR	Device threshold
26	(1A)	UNSIGNED	2	*	Reserved
28	(1C)	CHARACTER	6	HIDRVDFE	Default recovery actions for non-serial devices.
28	(1C)	UNSIGNED	1	HIDMSGDT	Message defaults. First Index: 01=110D message defaults. 02=111D message defaults. 03=112D message defaults. Second Index: 01=Non-recursion. 02=Recursion.
34	(22)	BITSTRING	1	*	Reserved
35	(23)	BITSTRING	1	HIDTBLPM	Box Last Path Mask set by the HOTIO BOX_LP keyword in IECIOSxx.
36	(24)	CHARACTER	68	HIDSCDPT	SCD pointers
36	(24)	ADDRESS	4	HIDHOTQ	Anchor for the Queue of SCD for which HOTIO has been detected.
40	(28)	ADDRESS	4	HIDSCDAN (15:562115552)	Anchors for SCD blocks. The 2nd byte of the device number (ie 0X00) determines which SCD queue the device will be assigned to. This separation is used only to provide a faster search for a particular SCD
104	(68)	UNSIGNED	1	HIDPCNT (255:562115552)	Number of currently hot devices per channel path
360	(168)	CHARACTER	6	HIDSRECD	Default recovery actions for serial devices.
360	(168)	UNSIGNED	1	HIDSMSGD	Serial message defaults. First Index: 01=110D message defaults. 02=111D message defaults. 03=112D message defaults. Second Index: 01=Non-recursion. 02=Recursion.
366	(16E)	CHARACTER	2	*	Reserved
368	(170)	CHARACTER	0	HIDEND	

HIDT Constants

Len	Type	Value	Name	Description
Comment				
Constants for HIDMSGDT and HIDSMSGD				
End of Comment				
1	DECIMAL	2	HIDBOX	Box the device
1	DECIMAL	4	HIDCHPK	Channel path recovery
1	DECIMAL	5	HIDCHPF	Force channel path offline
1	DECIMAL	6	HIDCUK	Control unit recovery. This constant is only valid for HIDSMSGD.
Comment				
Constants for first index of HIDMSGDT and HIDSMSGD				
End of Comment				
1	DECIMAL	1	MSG110	
1	DECIMAL	2	MSG111	
1	DECIMAL	3	MSG112	
Comment				
Constants for second index of HIDMSGDT and HIDSMSGD				
End of Comment				
1	DECIMAL	2	RECURSN	
1	DECIMAL	1	NONRECUR	

HIDT Cross Reference

HIDT Cross Reference

Name	Hex Offset	Hex Value
HIDPCNT	68	
HIDDVTHR	18	
HIDEND	170	
HIDHOTQ	24	
HIDMODID	0	
HIDMSGDT	1C	
HIDRVDFD	1C	
HIDSCDAN	28	
HIDSCDPT	24	
HIDSMGSD	168	
HIDSRECD	168	
HIDT	0	
HIDTBLPM	23	

HISYCTRS Information

HISYCTRS Programming Interface information

Programming Interface information

HISYCTRS

End of Programming Interface information

HISYCTRS Heading Information • HISYCTRS Map

HISYCTRS Heading Information

Common Name: HIS Counter Constants
Macro ID: HISYCTRS
DSECT Name: None
Owning Component: Hardware Instrumentation Services (SCHIS)
Eye-Catcher ID: None
Storage Attributes: Subpool: None
 Key: None
 Residency: None
 HISCTR_DUMMY -- X'0001' bytes
Size:
Created by: None
Pointed to by: None
Serialization: None
Function: Provides the equates and meanings for the counter numbers of each event type. The equates match what is returned as counter numbers in a HISSEV REQUEST=QUERY,TYPE=EVENTDATA request.

HISYCTRS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HISCTR_DUMMY	Dummy DSECT. Do not use
0	(0)	CHARACTER	1		
0	(0)	X'1'	0	HISCTR_KVERSION1_1	"1" Possible value for HisEvnCtr_CtrVersion1 returned by the HISSEV REQUEST=QUERY,TYPE=EVENT request
Comment					
The following constants apply only when the first counter version (HisCtr_CtrVersion1) number is HisCtr_kVersion1_1					
End of Comment					
0	(0)	X'0'	0	HISCTR_KBASIC1_CYCLE	"0" The total number of CPU cycles, excluding the number of cycles while the CPU is in the wait state
0	(0)	X'1'	0	HISCTR_KBASIC1_INSTR	"1" The total number of instructions executed by the CPU
0	(0)	X'2'	0	HISCTR_KBASIC1_WRT_IL1	"2" The total number of level-1 instruction-cache or unified-cache directory writes.
0	(0)	X'3'	0	HISCTR_KBASIC1_IL1_MISSCYCLE	"3" The total number of cache penalty cycles for level-1 instruction-cache or unified-cache.
0	(0)	X'4'	0	HISCTR_KBASIC1_WRT_DL1	"4" The total number of level-1 data-cache directory writes.
0	(0)	X'5'	0	HISCTR_KBASIC1_DL1_MISSCYCLE	"5" The total number of cache penalty cycles for level-1 data-cache.
0	(0)	X'0'	0	HISCTR_KPROBLEM1_CYCLE	"0" The total number of CPU cycles when the CPU is in problem state, excluding the number of cycles while the CPU is in the wait state
0	(0)	X'1'	0	HISCTR_KPROBLEM1_INSTR	"1" The total number of instructions executed by the CPU while in the problem state.
0	(0)	X'2'	0	HISCTR_KPROBLEM1_WRT_IL1	"2" The total number of level-1 instruction-cache or unified-cache directory writes while the CPU is in the problem state.
0	(0)	X'3'	0	HISCTR_KPROBLEM1_IL1_MISSCYCLE	"3" The total number of cache penalty cycles for level-1 instruction-cache or unified-cache while the CPU is in the problem state.
0	(0)	X'4'	0	HISCTR_KPROBLEM1_WRT_DL1	"4" The total number of level-1 data-cache directory writes while the CPU is in the problem state.
0	(0)	X'5'	0	HISCTR_KPROBLEM1_DL1_MISSCYCLE	"5" The total number of cache penalty cycles for level-1 data-cache while the CPU is in the problem state.
0	(0)	X'3'	0	HISCTR_KVERSION2_3	"3" Possible value for HisEvnCtr_CtrVersion2 returned by the HISSEV REQUEST=QUERY,TYPE=EVENT request

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
The following constants apply only when the second counter version (HisCtr_CtrVersion2) number is HisCtr_kVersion2_3					
End of Comment					
0	(0)	X'0'	0	HISCTR_KCRYPTO3_PRNG_FUNCTION	"0" The total number of the PRNG functions issued by the CPU.
0	(0)	X'1'	0	HISCTR_KCRYPTO3_PRNG_CYCLE	"1" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the PRNG functions issued by the CPU.
0	(0)	X'2'	0	HISCTR_KCRYPTO3_PRNG_BLOCKEDFUNCTION	"2" The total number of the PRNG functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'3'	0	HISCTR_KCRYPTO3_PRNG_BLOCKEDCYCLE	"3" The total number CPU cycles blocked for the PRNG functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'4'	0	HISCTR_KCRYPTO3_SHA_FUNCTION	"4" The total number of the SHA functions issued by the CPU.
0	(0)	X'5'	0	HISCTR_KCRYPTO3_SHA_CYCLE	"5" The total number of CPU cycles when the SHA coprocessor is busy performing the SHA functions issued by the CPU.
0	(0)	X'6'	0	HISCTR_KCRYPTO3_SHA_BLOCKEDFUNCTION	"6" The total number of the SHA functions that are issued by the CPU and are blocked because the SHA coprocessor is busy performing a function issued by another CPU.
0	(0)	X'7'	0	HISCTR_KCRYPTO3_SHA_BLOCKEDCYCLE	"7" The total number CPU cycles blocked for the SHA functions issued by the CPU because the SHA coprocessor is busy performing a function issued by another CPU.
0	(0)	X'8'	0	HISCTR_KCRYPTO3_DEA_FUNCTION	"8" The total number of the DEA functions issued by the CPU.
0	(0)	X'9'	0	HISCTR_KCRYPTO3_DEA_CYCLE	"9" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the DEA functions issued by the CPU.
0	(0)	X'A'	0	HISCTR_KCRYPTO3_DEA_BLOCKEDFUNCTION	"10" The total number of the DEA functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'B'	0	HISCTR_KCRYPTO3_DEA_BLOCKEDCYCLE	"11" The total number CPU cycles blocked for the DEA functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'C'	0	HISCTR_KCRYPTO3_AES_FUNCTION	"12" The total number of the AES functions issued by the CPU.
0	(0)	X'D'	0	HISCTR_KCRYPTO3_AES_CYCLE	"13" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the AES functions issued by the CPU.
0	(0)	X'E'	0	HISCTR_KCRYPTO3_AES_BLOCKEDFUNCTION	"14" The total number of the AES functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'F'	0	HISCTR_KCRYPTO3_AES_BLOCKEDCYCLE	"15" The total number CPU cycles blocked for the AES functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'0'	0	HISCTR_KEXTENDED3_DTLB1_MISSCYCLE	"0" The total number of CPU cycles a level-1 data-TLB miss is in progress.
0	(0)	X'1'	0	HISCTR_KEXTENDED3_ITLB1_MISSCYCLE	"1" The total number of CPU cycles a level-1 instruction-TLB miss is in progress.
0	(0)	X'2'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_IL2	"2" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-2 instruction-cache.
0	(0)	X'3'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_IL2	"3" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-2 instruction-cache.
0	(0)	X'4'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_DL2	"4" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-2 data-cache.
0	(0)	X'5'	0	HISCTR_KEXTENDED3_WRT_DTLB1	"5" The total number of level-1 data-TLB entry writes.

HISYCTRS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Index 6: undefined counter					
End of Comment					
0	(0)	X'7'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_MEMORY	"7" The total number of level-1 data-cache directory writes where the installed cache line was sourced from memory that is attached to the same book as the data-cache.
Comment					
Index 8: undefined counter					
End of Comment					
0	(0)	X'9'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_MEMORY	"9" The total number of level-1 instruction-cache directory writes where the installed cache line was sourced from memory that is attached to the same book as the instruction-cache.
0	(0)	X'A'	0	HISCTR_KEXTENDED3_WRT_DL1_RO_TO_EXCL	"10" The total number of level-1 data-cache directory writes where the line was originally in a Read-Only state in the cache but has been updated to be in the Exclusive state that allows stores to the cache line.
0	(0)	X'B'	0	HISCTR_KEXTENDED3_WRT_DTLB1_1M	"11" The total number of level-1 data-TLB entry writes for a one-megabyte page.
0	(0)	X'C'	0	HISCTR_KEXTENDED3_WRT_ITLB1	"12" The total number of level-1 instruction-TLB entry writes.
0	(0)	X'D'	0	HISCTR_KEXTENDED3_WRT_TLB2_PTE	"13" The total number of level-2 TLB Page Table Entry writes.
0	(0)	X'E'	0	HISCTR_KEXTENDED3_WRT_TLB2_CRSTE_1M	"14" The total number of level-2 TLB Common Region Segment Table Entry writes for a one-megabyte large page translation.
0	(0)	X'F'	0	HISCTR_KEXTENDED3_WRT_TLB2_CRSTE	"15" The total number of level-2 TLB Common Region Segment Table Entry writes.
0	(0)	X'10'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMECHNI	"16" The total number of level-1 data-cache directory writes where the returned cache line was sourced from an On-Chip level-3 cache without intervention.
0	(0)	X'11'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMEBKNI	"17" The total number of level-1 data-cache directory writes where the returned cache line was sourced from an Off-Chip/On-Book level-3 cache without intervention.
0	(0)	X'12'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L3DIFFBKNI	"18" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book without intervention.
0	(0)	X'13'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L4SAMEBK	"19" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-4 cache that is on the same book.
0	(0)	X'14'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L4DIFFBK	"20" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-4 cache that is not on the same book.
0	(0)	X'15'	0	HISCTR_KEXTENDED3_TEND_NONCONSTRAINED	"21" The total number of TEND instructions that have completed in a nonconstrained transactional-execution mode.
0	(0)	X'16'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMECHI	"22" The total number of level-1 data-cache directory writes where the returned cache line was sourced from an On-Chip level-3 cache with intervention.
0	(0)	X'17'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMEBKI	"23" The total number of level-1 data-cache directory writes where the returned cache line was sourced from an Off-Chip/On-Book level-3 cache with intervention.
0	(0)	X'18'	0	HISCTR_KEXTENDED3_WRT_DL1_SRC_L3DIFFBKI	"24" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book with intervention.
0	(0)	X'19'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMECHNI	"25" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from an On-Chip level-3 cache without intervention.
0	(0)	X'1A'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMEBKNI	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'1B'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3DIFFBKNI	"26" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from an Off-Chip/On-Book level-3 cache without intervention.
0	(0)	X'1C'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L4SAMEBK	"27" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book without intervention.
0	(0)	X'1D'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L4DIFFBK	"28" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-4 cache that is on the same book.
0	(0)	X'1E'	0	HISCTR_KEXTENDED3_TEND_CONSTRAINED	"29" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-4 cache that is not on the same book.
0	(0)	X'1F'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMECHI	"30" The total number of TEND instructions that have completed in a constrained transactional-execution mode.
0	(0)	X'20'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMEBKI	"31" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from an On-Chip level-3 cache with intervention.
0	(0)	X'21'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3DIFFBKI	"32" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from an Off-Chip/On-Book level-3 cache with intervention.
0	(0)	X'21'	0	HISCTR_KEXTENDED3_WRT_IL1_SRC_L3DIFFBKI	"33" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book with intervention.

Comment

Indices 34-48: undefined counters

End of Comment

0	(0)	X'31'	0	HISCTR_KEXTENDED3_ABORT_NONCONSTRAINED	"49" The total number of transaction aborts that have occurred in a nonconstrained transactional-execution mode.
0	(0)	X'32'	0	HISCTR_KEXTENDED3_ABORT_CONSTRAINEDNS	"50" The total number of transaction aborts that have occurred in a constrained transactional-execution mode and the CPU is not using any special logic to allow the transaction to complete.
0	(0)	X'33'	0	HISCTR_KEXTENDED3_ABORT_CONSTRAINEDS	"51" The total number of transaction aborts that have occurred in a constrained transactional-execution mode and the CPU is not using any special logic to allow the transaction to complete.

Comment

Indices 52-55: undefined counters

End of Comment

0	(0)	X'2'	0	HISCTR_KVERSION2_2	"2" Possible value for HisEvnCtr_CtrVersion2 returned by the HISSERV REQUEST=QUERY,TYPE=EVENT request
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Comment

The following constants apply only when the second counter version (HisCtr_CtrVersion2) number is HisCtr_kVersion2_2

End of Comment

0	(0)	X'0'	0	HISCTR_KCRYPTO2_PRNG_FUNCTION	"0" The total number of the PRNG functions issued by the CPU.
0	(0)	X'1'	0	HISCTR_KCRYPTO2_PRNG_CYCLE	"1" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the PRNG functions issued by the CPU.
0	(0)	X'2'	0	HISCTR_KCRYPTO2_PRNG_BLOCKEDFUNCTION	"2" The total number of the PRNG functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'3'	0	HISCTR_KCRYPTO2_PRNG_BLOCKEDCYCLE	

HISYCTRS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'4'	0	HISCTR_KCRYPTO2_SHA_FUNCTION	"3" The total number CPU cycles blocked for the PRNG functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'5'	0	HISCTR_KCRYPTO2_SHA_CYCLE	"4" The total number of the SHA functions issued by the CPU.
0	(0)	X'6'	0	HISCTR_KCRYPTO2_SHA_BLOCKEDFUNCTION	"5" The total number of CPU cycles when the SHA coprocessor is busy performing the SHA functions issued by the CPU.
0	(0)	X'7'	0	HISCTR_KCRYPTO2_SHA_BLOCKEDCYCLE	"6" The total number of the SHA functions that are issued by the CPU and are blocked because the SHA coprocessor is busy performing a function issued by another CPU.
0	(0)	X'8'	0	HISCTR_KCRYPTO2_DEA_FUNCTION	"7" The total number CPU cycles blocked for the SHA functions issued by the CPU because the SHA coprocessor is busy performing a function issued by another CPU.
0	(0)	X'9'	0	HISCTR_KCRYPTO2_DEA_CYCLE	"8" The total number of the DEA functions issued by the CPU.
0	(0)	X'A'	0	HISCTR_KCRYPTO2_DEA_BLOCKEDFUNCTION	"9" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the DEA functions issued by the CPU.
0	(0)	X'B'	0	HISCTR_KCRYPTO2_DEA_BLOCKEDCYCLE	"10" The total number of the DEA functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'C'	0	HISCTR_KCRYPTO2_AES_FUNCTION	"11" The total number CPU cycles blocked for the DEA functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'D'	0	HISCTR_KCRYPTO2_AES_CYCLE	"12" The total number of the AES functions issued by the CPU.
0	(0)	X'E'	0	HISCTR_KCRYPTO2_AES_BLOCKEDFUNCTION	"13" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the AES functions issued by the CPU.
0	(0)	X'F'	0	HISCTR_KCRYPTO2_AES_BLOCKEDCYCLE	"14" The total number of the AES functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'0'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_L2	"15" The total number CPU cycles blocked for the AES functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'1'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_L2	"0" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-2 cache.
0	(0)	X'2'	0	HISCTR_KEXTENDED2_DTLB1_MISSCYCLE	"1" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-2 cache.
0	(0)	X'3'	0	HISCTR_KEXTENDED2_ITLB1_MISSCYCLE	"2" The total number of CPU cycles a level-1 data-TLB miss is in progress.
0	(0)	X'4'	0	HISCTR_KEXTENDED2_UNDEFINED04	"3" The total number of CPU cycles a level-1 instruction-TLB miss is in progress.
0	(0)	X'5'	0	HISCTR_KEXTENDED2_WRT_L2	"4"
0	(0)	X'6'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_L3DIFFBK	"5" The total number of level-2 stores
0	(0)	X'7'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_L4SAMEBK	"6" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book as the data-cache.
0	(0)	X'8'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_L4SAMEBK	"7" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-4 cache that is on the same book as the data-cache.
0	(0)	X'9'	0	HISCTR_KEXTENDED2_WRT_DL1_RO_TO_EXCL	"8" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-4 cache that is on the same book as the instruction-cache.
0	(0)	X'A'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_L4DIFFBK	"9" The total number of level-1 data-cache directory writes where the line was originally in a Read-Only state in the cache but has been updated to be in the Exclusive state that allows stores to the cache line.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'B'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_L4DIFFBK	"10" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-4 cache that is not on the same book as the data-cache.
0	(0)	X'C'	0	HISCTR_KEXTENDED2_WRT_DTLB1_1M	"11" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-4 cache that is not on the same book as the instruction-cache.
0	(0)	X'D'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_MEMORY	"12" The total number of level-1 data-TLB entry writes for a one-megabyte page.
0	(0)	X'E'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_MEMORY	"13" The total number of level-1 data-cache directory writes where the returned cache line was sourced from memory that is attached to the same book as the data-cache.
0	(0)	X'F'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_L3DIFFBK	"14" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from memory that is attached to the same book as the instruction-cache.
0	(0)	X'10'	0	HISCTR_KEXTENDED2_WRT_DTLB1	"15" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book as the instruction-cache.
0	(0)	X'11'	0	HISCTR_KEXTENDED2_WRT_ITLB1	"16" The total number of level-1 data-TLB entry writes.
0	(0)	X'12'	0	HISCTR_KEXTENDED2_WRT_TLB2_PTE	"17" The total number of level-1 instruction-TLB entry writes.
0	(0)	X'13'	0	HISCTR_KEXTENDED2_WRT_TLB2_CRSTE_1M	"18" The total number of level-2 TLB Page Table Entry writes.
0	(0)	X'14'	0	HISCTR_KEXTENDED2_WRT_TLB2_CRSTE	"19" The total number of level-2 TLB Common Region Segment Table Entry writes for a one-megabyte large page translation.
0	(0)	X'15'	0	HISCTR_KEXTENDED2_UNDEFINED21	"20" The total number of level-2 TLB Common Region Segment Table Entry writes.
0	(0)	X'16'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_L3SAMECH	"21"
0	(0)	X'17'	0	HISCTR_KEXTENDED2_UNDEFINED23	"22" The total number of level-1 data-cache directory writes where the returned cache line was sourced from an On-Chip level-3 cache.
0	(0)	X'18'	0	HISCTR_KEXTENDED2_WRT_DL1_SRC_L3SAMEBK	"23"
0	(0)	X'19'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_L3SAMECH	"24" The total number of level-1 data-cache directory writes where the returned cache line was sourced from an Off-Chip/On-Book level-3 cache.
0	(0)	X'1A'	0	HISCTR_KEXTENDED2_UNDEFINED26	"25" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from an On-Chip level-3 cache.
0	(0)	X'1B'	0	HISCTR_KEXTENDED2_WRT_IL1_SRC_L3SAMEBK	"26"
0	(0)	X'1C'	0	HISCTR_KEXTENDED2_UNDEFINED28	"27" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from an Off-Chip/On-Book level-3 cache.
0	(0)	X'1'	0	HISCTR_KVERSION2_1	"28"
					"1" Possible value for HisEvnCtr_CtrVersion2 returned by the HISSERV REQUEST=QUERY,TYPE=EVENT request

Comment

The following constants apply only when the second counter version (HisCtr_CtrVersion2) number is HisCtr_kVersion2_1

End of Comment

0	(0)	X'0'	0	HISCTR_KCRYPTO1_PRNG_FUNCTION	"0" The total number of the PRNG functions issued by the CPU.
0	(0)	X'1'	0	HISCTR_KCRYPTO1_PRNG_CYCLE	"1" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the PRNG functions issued by the CPU.
0	(0)	X'2'	0	HISCTR_KCRYPTO1_PRNG_BLOCKEDFUNCTION	"2" The total number of the PRNG functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'3'	0	HISCTR_KCRYPTO1_PRNG_BLOCKEDCYCLE	

HISYCTRS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'4'	0	HISCTR_KCRYPTO1_SHA_FUNCTION	"3" The total number CPU cycles blocked for the PRNG functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'5'	0	HISCTR_KCRYPTO1_SHA_CYCLE	"4" The total number of the SHA functions issued by the CPU.
0	(0)	X'6'	0	HISCTR_KCRYPTO1_SHA_BLOCKEDFUNCTION	"5" The total number of CPU cycles when the SHA coprocessor is busy performing the SHA functions issued by the CPU.
0	(0)	X'7'	0	HISCTR_KCRYPTO1_SHA_BLOCKEDCYCLE	"6" The total number of the SHA functions that are issued by the CPU and are blocked because the SHA coprocessor is busy performing a function issued by another CPU.
0	(0)	X'8'	0	HISCTR_KCRYPTO1_DEA_FUNCTION	"7" The total number CPU cycles blocked for the SHA functions issued by the CPU because the SHA coprocessor is busy performing a function issued by another CPU.
0	(0)	X'9'	0	HISCTR_KCRYPTO1_DEA_CYCLE	"8" The total number of the DEA functions issued by the CPU.
0	(0)	X'A'	0	HISCTR_KCRYPTO1_DEA_BLOCKEDFUNCTION	"9" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the DEA functions issued by the CPU.
0	(0)	X'B'	0	HISCTR_KCRYPTO1_DEA_BLOCKEDCYCLE	"10" The total number of the DEA functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'C'	0	HISCTR_KCRYPTO1_AES_FUNCTION	"11" The total number CPU cycles blocked for the DEA functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'D'	0	HISCTR_KCRYPTO1_AES_CYCLE	"12" The total number of the AES functions issued by the CPU.
0	(0)	X'E'	0	HISCTR_KCRYPTO1_AES_BLOCKEDFUNCTION	"13" The total number of CPU cycles when the DEA/AES coprocessor is busy performing the AES functions issued by the CPU.
0	(0)	X'F'	0	HISCTR_KCRYPTO1_AES_BLOCKEDCYCLE	"14" The total number of the AES functions that are issued by the CPU and are blocked because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'0'	0	HISCTR_KEXTENDED1_WRT_IL1_SRC_L2	"15" The total number CPU cycles blocked for the AES functions issued by the CPU because the DEA/AES coprocessor is busy performing a function issued by another CPU.
0	(0)	X'1'	0	HISCTR_KEXTENDED1_WRT_DL1_SRC_L2	"0" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-2 cache.
0	(0)	X'2'	0	HISCTR_KEXTENDED1_WRT_IL1_SRC_L3SAMEBK	"1" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-2 cache.
0	(0)	X'3'	0	HISCTR_KEXTENDED1_WRT_DL1_SRC_L3SAMEBK	"2" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-3 cache that is on the same book as the instruction-cache.
0	(0)	X'4'	0	HISCTR_KEXTENDED1_WRT_IL1_SRC_L3DIFFBK	"3" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-3 cache that is on the same book as the data-cache.
0	(0)	X'5'	0	HISCTR_KEXTENDED1_WRT_DL1_SRC_L3DIFFBK	"4" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book as the instruction-cache.
0	(0)	X'6'	0	HISCTR_KEXTENDED1_WRT_DL1_SRC_MEMORY	"5" The total number of level-1 data-cache directory writes where the returned cache line was sourced from the level-3 cache that is not on the same book as the data-cache.
0	(0)	X'7'	0	HISCTR_KEXTENDED1_WRT_IL1_SRC_MEMORY	"6" The total number of level-1 data-cache directory writes where the returned cache line was sourced from memory that is attached to the same book as the data-cache.
0	(0)	X'8'	0	HISCTR_KEXTENDED1_WRT_DL1_RO_TO_EXCL	"7" The total number of level-1 instruction-cache directory writes where the returned cache line was sourced from memory that is attached to the same book as the instruction-cache.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'9'	0	HISCTR_KEXTENDED1_INVALIDATE_IL1_LINE	"8" The total number of level-1 data-cache directory writes where the line was originally in a Read-Only state in the cache but has been updated to be in the Exclusive state that allows stores to the cache line.
0	(0)	X'A'	0	HISCTR_KEXTENDED1_WRT_ITLB1	"9" The total number of times a level-1 instruction-cache has been invalidated by a store on the same CPU as the level-1 instruction-cache
0	(0)	X'B'	0	HISCTR_KEXTENDED1_WRT_DTLB1	"10" The total number of level-1 instruction-TLB entry writes.
0	(0)	X'C'	0	HISCTR_KEXTENDED1_WRT_TLB2_PTE	"11" The total number of level-1 data-TLB entry writes.
0	(0)	X'D'	0	HISCTR_KEXTENDED1_WRT_TLB2_CRSTE	"12" The total number of level-2 TLB Page Table Entry writes.
0	(0)	X'E'	0	HISCTR_KEXTENDED1_WRT_TLB2_CRSTE_1M	"13" The total number of level-2 TLB Common Region Segment Table Entry writes.
0	(0)	X'F'	0	HISCTR_KEXTENDED1_UNDEFINED15	"14" The total number of level-2 TLB Common Region Segment Table Entry writes for a one-megabyte large page translation.
0	(0)	X'10'	0	HISCTR_KEXTENDED1_UNDEFINED16	"15"
0	(0)	X'11'	0	HISCTR_KEXTENDED1_ITLB1_MISSCYCLE	"16"
0	(0)	X'12'	0	HISCTR_KEXTENDED1_DTLB1_MISSCYCLE	"17" The total number of CPU cycles a level-1 instruction-TLB miss is in progress.
0	(0)	X'13'	0	HISCTR_KEXTENDED1_WRT_L2	"18" The total number of CPU cycles a level-1 data-TLB miss is in progress.
0	(0)	X'14'	0	HISCTR_KEXTENDED1_UNDEFINED20	"19" The total number of level-2 stores
0	(0)	X'15'	0	HISCTR_KEXTENDED1_UNDEFINED21	"20"
0	(0)	X'16'	0	HISCTR_KEXTENDED1_UNDEFINED22	"21"
0	(0)	X'17'	0	HISCTR_KEXTENDED1_UNDEFINED23	"22"
0	(0)	X'1'	0	HISCTR_DUMMY_LEN	"23"
					**HisCtr_Dummy"

HISYCTRS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HISCTR_DUMMY	0		HISCTR_KCRYPTO1_DEA_FUNCTION	0	8
HISCTR_DUMMY_LEN			HISCTR_KCRYPTO1_PRNG_BLOCKEDCYCLE	0	3
HISCTR_KBASIC1_CYCLE	0	1	HISCTR_KCRYPTO1_PRNG_BLOCKEDFUNCTION	0	2
HISCTR_KBASIC1_DL1_MISSCYCLE	0	0	HISCTR_KCRYPTO1_PRNG_CYCLE	0	1
HISCTR_KBASIC1_IL1_MISSCYCLE	0	5	HISCTR_KCRYPTO1_PRNG_FUNCTION	0	0
HISCTR_KBASIC1_INSTR	0	3	HISCTR_KCRYPTO1_SHA_BLOCKEDCYCLE	0	7
HISCTR_KBASIC1_INSTR	0	1	HISCTR_KCRYPTO1_SHA_BLOCKEDFUNCTION	0	6
HISCTR_KBASIC1_WRT_DL1	0	4	HISCTR_KCRYPTO1_SHA_CYCLE	0	5
HISCTR_KBASIC1_WRT_IL1	0	2	HISCTR_KCRYPTO1_SHA_FUNCTION	0	4
HISCTR_KCRYPTO1_AES_BLOCKEDCYCLE	0	F	HISCTR_KCRYPTO2_AES_BLOCKEDCYCLE	0	F
HISCTR_KCRYPTO1_AES_BLOCKEDFUNCTION	0	E	HISCTR_KCRYPTO2_AES_BLOCKEDFUNCTION	0	E
HISCTR_KCRYPTO1_AES_CYCLE	0	D	HISCTR_KCRYPTO2_AES_CYCLE	0	D
HISCTR_KCRYPTO1_AES_FUNCTION	0	C	HISCTR_KCRYPTO2_AES_FUNCTION	0	C
HISCTR_KCRYPTO1_DEA_BLOCKEDCYCLE	0	B	HISCTR_KCRYPTO2_DEA_BLOCKEDCYCLE	0	B
HISCTR_KCRYPTO1_DEA_BLOCKEDFUNCTION	0	A	HISCTR_KCRYPTO2_DEA_BLOCKEDFUNCTION	0	B
HISCTR_KCRYPTO1_DEA_CYCLE	0	9			

HISYCTRS Cross Reference

Name	Hex Offset	Hex Value
HISCTR_KCRYPTO2_DEA_CYCLE	0 A	
HISCTR_KCRYPTO2_DEA_FUNCTION	0 9	
HISCTR_KCRYPTO2_PRNG_BLOCKEDCYCLE	0 8	
HISCTR_KCRYPTO2_PRNG_BLOCKEDFUNCTION	0 3	
HISCTR_KCRYPTO2_PRNG_CYCLE	0 2	
HISCTR_KCRYPTO2_PRNG_FUNCTION	0 1	
HISCTR_KCRYPTO2_SHA_BLOCKEDCYCLE	0 0	
HISCTR_KCRYPTO2_SHA_BLOCKEDFUNCTION	0 7	
HISCTR_KCRYPTO2_SHA_CYCLE	0 6	
HISCTR_KCRYPTO2_SHA_FUNCTION	0 5	
HISCTR_KCRYPTO3_AES_BLOCKEDCYCLE	0 4	
HISCTR_KCRYPTO3_AES_BLOCKEDFUNCTION	0 F	
HISCTR_KCRYPTO3_AES_CYCLE	0 E	
HISCTR_KCRYPTO3_AES_FUNCTION	0 D	
HISCTR_KCRYPTO3_DEA_BLOCKEDCYCLE	0 C	
HISCTR_KCRYPTO3_DEA_BLOCKEDFUNCTION	0 B	
HISCTR_KCRYPTO3_DEA_CYCLE	0 A	
HISCTR_KCRYPTO3_DEA_FUNCTION	0 9	
HISCTR_KCRYPTO3_PRNG_BLOCKEDCYCLE	0 8	
HISCTR_KCRYPTO3_PRNG_BLOCKEDFUNCTION	0 3	
HISCTR_KCRYPTO3_PRNG_CYCLE	0 2	
HISCTR_KCRYPTO3_PRNG_FUNCTION	0 1	
HISCTR_KCRYPTO3_SHA_BLOCKEDCYCLE	0 0	
HISCTR_KCRYPTO3_SHA_BLOCKEDFUNCTION	0 7	
HISCTR_KCRYPTO3_SHA_CYCLE	0 6	
HISCTR_KCRYPTO3_SHA_FUNCTION	0 5	
HISCTR_KEXTENDED1_DTLB1_MISSCYCLE	0 4	
HISCTR_KEXTENDED1_INVALIDATE_IL1_LINE	0 12	
HISCTR_KEXTENDED1_ITLB1_MISSCYCLE	0 9	
HISCTR_KEXTENDED1_UNDEFINED15	0 11	
HISCTR_KEXTENDED1_UNDEFINED16	0 F	
HISCTR_KEXTENDED1_UNDEFINED16	0 10	
HISCTR_KEXTENDED1_UNDEFINED20	0 14	
HISCTR_KEXTENDED1_UNDEFINED21	0 15	
HISCTR_KEXTENDED1_UNDEFINED22	0 16	
HISCTR_KEXTENDED1_UNDEFINED23	0 17	
HISCTR_KEXTENDED1_WRT_DL1_RO_TO_EXCL	0 8	
HISCTR_KEXTENDED1_WRT_DL1_SRC_L2		

Name	Hex Offset	Hex Value
HISCTR_KEXTENDED1_WRT_DL1_SRC_L3DIFFBK	0 1	
HISCTR_KEXTENDED1_WRT_DL1_SRC_L3SAMEBK	0 5	
HISCTR_KEXTENDED1_WRT_DL1_SRC_MEMORY	0 3	
HISCTR_KEXTENDED1_WRT_DTLB1	0 6	
HISCTR_KEXTENDED1_WRT_IL1_SRC_L2	0 B	
HISCTR_KEXTENDED1_WRT_IL1_SRC_L3DIFFBK	0 0	
HISCTR_KEXTENDED1_WRT_IL1_SRC_L3SAMEBK	0 4	
HISCTR_KEXTENDED1_WRT_IL1_SRC_MEMORY	0 2	
HISCTR_KEXTENDED1_WRT_ITLB1	0 7	
HISCTR_KEXTENDED1_WRT_L2	0 A	
HISCTR_KEXTENDED1_WRT_TLB2_CRSTE	0 13	
HISCTR_KEXTENDED1_WRT_TLB2_CRSTE_1M	0 D	
HISCTR_KEXTENDED1_WRT_TLB2_PTE	0 E	
HISCTR_KEXTENDED2_DTLB1_MISSCYCLE	0 C	
HISCTR_KEXTENDED2_ITLB1_MISSCYCLE	0 2	
HISCTR_KEXTENDED2_UNDEFINED04	0 3	
HISCTR_KEXTENDED2_UNDEFINED21	0 4	
HISCTR_KEXTENDED2_UNDEFINED23	0 15	
HISCTR_KEXTENDED2_UNDEFINED26	0 17	
HISCTR_KEXTENDED2_UNDEFINED28	0 1A	
HISCTR_KEXTENDED2_WRT_DL1_RO_TO_EXCL	0 1C	
HISCTR_KEXTENDED2_WRT_DL1_SRC_L2	0 9	
HISCTR_KEXTENDED2_WRT_DL1_SRC_L3DIFFBK	0 0	
HISCTR_KEXTENDED2_WRT_DL1_SRC_L3SAMEBK	0 6	
HISCTR_KEXTENDED2_WRT_DL1_SRC_L3SAMEECH	0 18	
HISCTR_KEXTENDED2_WRT_DL1_SRC_L4DIFFBK	0 16	
HISCTR_KEXTENDED2_WRT_DL1_SRC_L4SAMEBK	0 A	
HISCTR_KEXTENDED2_WRT_DL1_SRC_MEMORY	0 7	
HISCTR_KEXTENDED2_WRT_DTLB1	0 D	
HISCTR_KEXTENDED2_WRT_DTLB1_1M	0 10	
HISCTR_KEXTENDED2_WRT_IL1_SRC_L2	0 C	
HISCTR_KEXTENDED2_WRT_IL1_SRC_L3DIFFBK	0 1	
HISCTR_KEXTENDED2_WRT_IL1_SRC_L3SAMEBK	0 F	
HISCTR_KEXTENDED2_WRT_IL1_SRC_L3SAMEECH	0 1B	
HISCTR_KEXTENDED2_WRT_IL1_SRC_L4DIFFBK	0 19	
HISCTR_KEXTENDED2_WRT_IL1_SRC_L4SAMEBK	0 B	
HISCTR_KEXTENDED2_WRT_IL1_SRC_MEMORY	0 8	

Name	Hex Offset	Hex Value
HISCTR_KEXTENDED2_WRT_ITLB1	0	E
HISCTR_KEXTENDED2_WRT_L2	0	11
HISCTR_KEXTENDED2_WRT_TLB2_CRSTE	0	5
HISCTR_KEXTENDED2_WRT_TLB2_CRSTE_1M	0	14
HISCTR_KEXTENDED2_WRT_TLB2_PTE	0	13
HISCTR_KEXTENDED3_ABORT_CONSTRAINEDNS	0	12
HISCTR_KEXTENDED3_ABORT_CONSTRAINEDS	0	32
HISCTR_KEXTENDED3_ABORT_NONCONSTRAINED	0	33
HISCTR_KEXTENDED3_DTLB1_MISSCYCLE	0	31
HISCTR_KEXTENDED3_ITLB1_MISSCYCLE	0	0
HISCTR_KEXTENDED3_TEND_CONSTRAINED	0	1
HISCTR_KEXTENDED3_TEND_NONCONSTRAINED	0	1E
HISCTR_KEXTENDED3_WRT_DL1_RO_TO_EXCL	0	15
HISCTR_KEXTENDED3_WRT_DL1_SRC_DL2	0	A
HISCTR_KEXTENDED3_WRT_DL1_SRC_IL2	0	4
HISCTR_KEXTENDED3_WRT_DL1_SRC_L3DIFFBKI	0	2
HISCTR_KEXTENDED3_WRT_DL1_SRC_L3DIFFBKNI	0	18
HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMEBKI	0	12
HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMEBKNI	0	17
HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMECHI	0	11
HISCTR_KEXTENDED3_WRT_DL1_SRC_L3SAMECHNI	0	16
HISCTR_KEXTENDED3_WRT_DL1_SRC_L4DIFFBK	0	10
HISCTR_KEXTENDED3_WRT_DL1_SRC_L4SAMEBK	0	14
HISCTR_KEXTENDED3_WRT_DL1_SRC_MEMORY	0	13
HISCTR_KEXTENDED3_WRT_DTLB1	0	7
HISCTR_KEXTENDED3_WRT_DTLB1_1M	0	5
HISCTR_KEXTENDED3_WRT_IL1_SRC_IL2	0	B
HISCTR_KEXTENDED3_WRT_IL1_SRC_L3DIFFBKI	0	3
HISCTR_KEXTENDED3_WRT_IL1_SRC_L3DIFFBKNI	0	21
HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMEBKI	0	1B
HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMEBKNI	0	20
HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMECHI	0	1A
HISCTR_KEXTENDED3_WRT_IL1_SRC_L3SAMECHNI	0	1F
HISCTR_KEXTENDED3_WRT_IL1_SRC_L4DIFFBK	0	19
HISCTR_KEXTENDED3_WRT_IL1_SRC_L4SAMEBK	0	1D
HISCTR_KEXTENDED3_WRT_IL1_SRC_MEMORY	0	1C
HISCTR_KEXTENDED3_WRT_ITLB1	0	9

Name	Hex Offset	Hex Value
HISCTR_KEXTENDED3_WRT_TLB2_CRSTE	0	C
HISCTR_KEXTENDED3_WRT_TLB2_CRSTE_1M	0	F
HISCTR_KEXTENDED3_WRT_TLB2_PTE	0	E
HISCTR_KPROBLEM1_CYCLE	0	D
HISCTR_KPROBLEM1_DL1_MISSCYCLE	0	0
HISCTR_KPROBLEM1_IL1_MISSCYCLE	0	5
HISCTR_KPROBLEM1_INSTR	0	3
HISCTR_KPROBLEM1_WRT_DL1	0	1
HISCTR_KPROBLEM1_WRT_IL1	0	4
HISCTR_KVERSION1_1	0	2
HISCTR_KVERSION2_1	0	1
HISCTR_KVERSION2_2	0	1
HISCTR_KVERSION2_3	0	2
	0	3

HMAA Information

HMAA Programming Interface information

Programming Interface information

HMAA

End of Programming Interface information

HMAA Heading Information • HMAA Map

HMAA Heading Information

Common Name: Hiperbatch Monitor Answer Area
Macro ID: COFZHMAA
DSECT Name: HMAA, HMAADSNB, HMAARNG, HMAATRKR
Owning Component: Virtual Lookaside Facility (SC164)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
 Residency: Above 16MB in central/virtual storage
Size: 80 bytes for HMAA,
 112 bytes for each HMAADSNB
 8 bytes for each HMAARNG
 36 bytes for each HMAATRKR
Created by: The HMAA is created by the requestor of the Hiperbatch Monitor data collector (COFDSTAT).
 The storage for the HMAA may reside anywhere in private or common addressable storage.
Pointed to by: HMPANSWR
Serialization: None required.
Function: The HMAA is a block of storage that the requestor of the Hiperbatch Monitor data collector uses to reference data extracted by the data collector.

HMAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMAA	HIPERBATCH MONITOR ANSWER AREA
Comment					
GENERAL MACRO USAGE FIELDS					
End of Comment					
0	(0)	BITSTRING	1	HMAAVERS	VERSION NUMBER X'00'
1	(1)	BITSTRING	3	HMAARES1	RESERVED
4	(4)	SIGNED	4	HMAALEN	LEN OF ENTIRE ANSWER AREA TO FOLLOW
8	(8)	SIGNED	4	HMAANUMD	NUMBER OF DATA SET BLOCKS RETURNED
12	(C)	ADDRESS	4	HMAADSNP	POINTER TO FIRST DATA SET BLOCK
16	(10)	SIGNED	4	HMAADSNS	SIZE OF EACH DATA SET BLOCK
Comment					
GLOBAL FIELDS (FROM GLOBAL CONTROL BLOCKS)					
End of Comment					
20	(14)	SIGNED	4	HMAAMAXC	MAX NUMBER OF CACHED DATA SETS ALLOWED
24	(18)	SIGNED	4	HMAACURR	CURRENT NUMBER OF RETAINED DATA SETS
28	(1C)	SIGNED	4	HMAAEXPB	MAXIMUM ESTORE AVAIL TO HIPERBATCH (IN UNITS OF 4K BYTES)
32	(20)	SIGNED	4	HMAAMRET	MAXIMUM AMOUNT OF RETAINED STORAGE
36	(24)	SIGNED	4	HMAAIRET	IN-USE AMOUNT OF RETAINED STORAGE
40	(28)	SIGNED	4	HMAAMNRT	MAX AMOUNT OF NON-RETAINED STORAGE
44	(2C)	SIGNED	4	HMAAINRT	IN-USE AMT OF NON-RETAINED STORAGE
48	(30)	SIGNED	4	HMAATOES	TOTAL AMOUNT OF ESTORE ONLINE
52	(34)	SIGNED	4	HMAANUMC	NUM OF DATA SETS NOW BEING CACHED
56	(38)	BITSTRING	4	HMAARES2	RESERVED
60	(3C)	SIGNED	2	HMAANUMR	NUMBER OF TIMES HIPERBATCH WENT INTO RECOVERY
62	(3E)	SIGNED	2	HMAADLFA	DLF ADDRESS SPACE ASID
64	(40)	BITSTRING	1	HMAAGLBF	HIPERBATCH GLOBAL FLAGS
		1...		HM@DISAB	"X'80" HIPERBATCH IS DISABLED. If this bit is on then all data is incorrect, including all "data set-specific fields", "range block data" & "tracker data". @01C
		.1..		HM@NORNV	"X'40" NO MORE VSAM READERS ARE ALLOWED TO CONNECT TO A NEW DATA SET
		..1.		HM@NORNQ	"X'20" NO MORE QSAM READERS ARE ALLOWED TO CONNECT TO A NEW DATA SET
65	(41)	BITSTRING	3	HMAARES3	RESERVED
68	(44)	BITSTRING	4	HMAARES4	RESERVED
72	(48)	BITSTRING	4	HMAARES5	RESERVED
76	(4C)	BITSTRING	4	HMAARES6	RESERVED
76	(4C)	X'50'	0	HMAALENG	"-HMAA" LENGTH OF GLOBAL PART OF ANSWER AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMAADSNB	DATA SET BLOCK DATA
0	(0)	SIGNED	4	HMAALEND	LENGTH OF THIS DATA SET BLOCK, INCLUDING ALL RANGE BLOCKS (HMAARNG) AND TRACKERS (HMAATRKR)
4	(4)	CHARACTER	44	HMAADSNM	DATA SET NAME
48	(30)	CHARACTER	6	HMAAVOL	VOLSER
54	(36)	BITSTRING	2	HMAARES7	RESERVED
56	(38)	BITSTRING	1	HMAAERR	ERROR FLAGS

Comment

PLZ NOTE: THESE ERROR FLAGS O-N-L-Y SET HMAAERR (NOT REG 15)

End of Comment

56	(38)	X'14'	0	HM@NCCHD	"20" THIS DS ISN'T CURRENTLY BEING CACHED
56	(38)	X'18'	0	HM@SV261	"24" THIS DS ENCOUNTERED SVC 26 ERROR #1
56	(38)	X'1C'	0	HM@SV262	"28" THIS DS ENCOUNTERED AN SVC 26 ERROR, I.E., DATA SET IS NOT A VSAM CLUSTER
56	(38)	X'20'	0	HM@SV263	"32" THIS DS ENCOUNTERED AN SVC 26 ERROR I.E., UNABLE TO FIND DATA COMPONENT
56	(38)	X'24'	0	HM@SV264	"36" THIS DS ENCOUNTERED SVC 26 ERROR #2
56	(38)	X'28'	0	HM@RNGT	"40" THIS DS ENCOUNTERED A RANGE ERROR
56	(38)	X'2C'	0	HM@TRKR	"44" THIS DS ENCOUNTERED A TRACKER ERROR

Comment

PLZ NOTE: THE NEXT 4 ERROR FLAGS ARE SET BY THE COFDHRBN RTN

End of Comment

56	(38)	X'30'	0	HM@SV265	"48" THIS DS ENCOUNTERED AN SVC 26 ERROR WHILE CALCULATING THE HRBN OF A QSAM MANAGED DATA SET
56	(38)	X'34'	0	HM@UCBLK	"52" THIS DS ENCOUNTERED A UCBLOCK ERROR
56	(38)	X'38'	0	HM@OBTN	"56" THIS DS ENCOUNTERED AN OBTAIN ERROR
56	(38)	X'3C'	0	HM@TRKC	"60" THIS DS ENCOUNTERED A TRKCALC ERROR
56	(38)	X'40'	0	HM@HRB0	"64" THIS DS HAS AN HIRBA / RBN OF 0!!!
57	(39)	BITSTRING	3	HMAARES8	RESERVED
60	(3C)	SIGNED	4	HMAAHURB	DATA SET'S HIGH USED RBA (IF VSAM) OR HIGH USED RBN (IF QSAM)
64	(40)	BITSTRING	4	HMAACFLG	GLOBAL FLAGS
		.1.		HM@VSAM	"X'40" CACHED DATA SET IS A VSAM DATA SET
		..1.		HM@QSAM	"X'20" CACHED DATA SET IS A QSAM DATA SET
		.... .1..		HM@RTAIN	"X'04" DATA SET IS BEING RETAINED
		.... ..1.		HM@BSAM	"X'02" BSAM/EXCP UPDATER
68	(44)	SIGNED	4	HMAACISZ	DATA SET CI OR BUFFER (QSAM) SIZE
72	(48)	SIGNED	4	HMAAOPNN	NUMBER OF OPENS AGAINST THIS DATASET
76	(4C)	SIGNED	4	HMAABKDP	NUMBER OF BACKED PAGES USED BY THE DATA SET (UNITS OF 4K-BYTES)
80	(50)	ADDRESS	4	HMAARNGP	POINTER TO FIRST RANGE BLOCK
84	(54)	SIGNED	4	HMAARNGS	SIZE OF EACH RANGE BLOCK
88	(58)	SIGNED	4	HMAARNGN	NUMBER OF RANGE BLOCKS TO FOLLOW
92	(5C)	ADDRESS	4	HMAATRKP	POINTER TO FIRST TRACKER
96	(60)	SIGNED	4	HMAATRKS	SIZE OF EACH TRACKER
100	(64)	SIGNED	4	HMAATRKN	NUMBER OF TRACKERS TO FOLLOW
104	(68)	BITSTRING	4	HMAARES9	RESERVED
108	(6C)	BITSTRING	4	HMAARS10	RESERVED
108	(6C)	X'70'	0	HMAALENB	"*-HMAADSNB" LENGTH OF FIXED PART OF A DSN BLOCK
108	(6C)	X'CO'	0	HMAALENF	"(*-HMAADSNB)+HMAALENG" LEN OF FIXED PART OF ANSWER AREA

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMAARNG	ESTORE RANGE DATA, ONE PER RANGE OF DATA SET DATA CONTAINED IN ESTORE
0	(0)	SIGNED	4	HMAALRBA	LOW RBA REPRESENTED BY THIS RANGE
0	(0)	X'0'	0	HMAALRBN	"HMAALRBA,4" LOW RBN REPRESENTED BY THIS RANGE
4	(4)	SIGNED	4	HMAAHRBA	HIGH RBA REPRESENTED BY THIS RANGE
4	(4)	X'4'	0	HMAAHRBN	"HMAAHRBA,4" HIGH RBN REPRESENTED BY THIS RANGE
4	(4)	X'8'	0	HMAALENC	"*-HMAARNG" LENGTH OF A RANGE BLOCK DATA ENTRY

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMAATRKR	TRACKER (USER) DATA, ONE PER USER

HMAA Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	DBL WORD	8	HMAATIME	TIME-OF-DAY TIMESTAMP OF FIRST OPEN
8	(8)	SIGNED	4	HMAARBA	RBA REPRESENTED BY THIS TRACKER
8	(8)	X'8'	0	HMAARBN	"HMAARBA,4" RBN REPRESENTED BY THIS TRACKER
12	(C)	SIGNED	2	HMAAASID	OWNING ASID
14	(E)	BITSTRING	2	HMAAAFLG	TRACKER FLAGS
		1...		HM@ASEQL	"X'80" SEQUENTIAL - QSAM AND VSAM
		.1..		HM@ABSUP	"X'40" BSAM UPDATER - QSAM
		...1		HM@AINPT	"X'10" INPUT - QSAM AND VSAM
		.... 1...		HM@AVSUP	"X'08" VSAM UPDATER / QSAM CREATE (LOAD)
		.... .1..		HM@AVLOD	"X'04" VSAM LOAD
16	(10)	SIGNED	4	HMAANIOR	NUMBER OF I/O READ REQUESTS
20	(14)	SIGNED	4	HMAAACHTS	NUMBER OF CACHE HITS
24	(18)	SIGNED	4	HMAAWATS	NUMBER OF WAITS
28	(1C)	SIGNED	4	HMAAPHYS	NUMBER OF PHYSICAL I/OS
32	(20)	SIGNED	4	HMAAPHSP	NUMBER OF PHYSICAL I/OS FOR PIONEER
32	(20)	X'24'	0	HMAALENA	"-HMAATRKR" LENGTH OF A TRACKER DATA ENTRY

Comment

EQUUS FOR GETMAIN AREA LENGTHS (COFDBIRD AND SLCT USE ANSWLEN6)

End of Comment

32	(20)	X'3DB0'	0	ANSWLEN	"HMAALENF+(1500*HMAALENC)+(100*HMAALENA)" THE ABOVE IS APPROX. 15K BYTES
32	(20)	X'112D0'	0	ANSWLEN6	"HMAALENG+6*(HMAALENB+(1000*HMAALENC)+(100*HMAALENA))" THE ABOVE IS APPROX. 68K BYTES

HMAA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ANSWLEN	20	3DB0	HMAAHRBA	4	
ANSWLEN6	20	112D0	HMAAHRBN	4	4
HM@ABSUP	E	40	HMAAHURB	3C	
HM@AINPT	E	10	HMAAINRT	2C	
HM@ASEQL	E	80	HMAAIRET	24	
HM@AVLOD	E	4	HMAALEN	4	
HM@AVSUP	E	8	HMAALENA	20	24
HM@BSAM	40	2	HMAALENB	6C	70
HM@DISAB	40	80	HMAALENC	4	8
HM@HRB0	38	40	HMAALEND	0	
HM@NCCHD	38	14	HMAALENF	6C	C0
HM@NORNQ	40	20	HMAALENG	4C	50
HM@NORNV	40	40	HMAALRBA	0	
HM@OBTN	38	38	HMAALRBN	0	0
HM@QSAM	40	20	HMAAMAXC	14	
HM@RNGT	38	28	HMAAMNRT	28	
HM@RTAIN	40	4	HMAAMRET	20	
HM@SV261	38	18	HMAANIOR	10	
HM@SV262	38	1C	HMAANUMC	34	
HM@SV263	38	20	HMAANUMD	8	
HM@SV264	38	24	HMAANUMR	3C	
HM@SV265	38	30	HMAAOPNN	48	
HM@TRKC	38	3C	HMAAPHSP	20	
HM@TRKR	38	2C	HMAAPHYS	1C	
HM@UCBLK	38	34	HMAARBA	8	
HM@VSAM	40	40	HMAARBN	8	8
HMAA	0		HMAARES1	1	
HMAAAFLG	E		HMAARES2	38	
HMAAASID	C		HMAARES3	41	
HMAABKDP	4C		HMAARES4	44	
HMAACFLG	40		HMAARES5	48	
HMAAACHTS	14		HMAARES6	4C	
HMAACISZ	44		HMAARES7	36	
HMAACURR	18		HMAARES8	39	
HMAADLFA	3E		HMAARES9	68	
HMAADSNB	0		HMAARNG	0	
HMAADSNM	4		HMAARNGN	58	
HMAADSNP	C		HMAARNGP	50	
HMAADSNS	10		HMAARNGS	54	
HMAAERR	38		HMAARS10	6C	
HMAAEXPB	1C		HMAATIME	0	
HMAAGLBF	40		HMAATOES	30	

Name	Hex Offset	Hex Value
HMAATRKN	64	
HMAATRKP	5C	
HMAATRKR	0	
HMAATRKS	60	
HMAAVERS	0	
HMAAVOL	30	
HMAAWATS	18	

HMPL Information

HMPL Heading Information

Common Name: Hiperbatch Monitor Parameter List
Macro ID: COFZHMPPL
DSECT Name: HMPL
Owning Component: VLF (SC164)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
 Residency: Above 16MB in central/virtual storage
Size: 40 bytes for HMPL,
 56 bytes for each HMPHR
 44 bytes for each HMPDS
Created by: The HMPL is created by the requestor of the Hiperbatch Monitor data collector (COFDSTAT). The storage for the HMPL may reside anywhere in private or common addressable storage.
Pointed to by: Private pointer (or data register), in containing module.
 Register 1 on entry to COFDSTAT.
Serialization: None required.
Function: The HMPL represents a request to the Hiperbatch Monitor data collector (COFDSTAT). This parm list must be filled in for COFDSTAT to process the request.

HMPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMPL	HIPERBATCH SERVICE CALL WORKAREA
0	(0)	BITSTRING	1	HMPVERSN	WORKAREA VERSION NUMBER X'00'
1	(1)	BITSTRING	1	HMPFUNCN	FUNCTION CODE:
1	(1)	X'1'	0	HM@GLBL	"1" GLOBAL REQUEST
1	(1)	X'2'	0	HM@SUMM	"2" SUMMARY REQUEST
1	(1)	X'3'	0	HM@SLCT	"3" "SELECTED DATASETS" REQUEST
1	(1)	X'4'	0	HM@ALL	"4" 'ALL' REQUEST
2	(2)	BITSTRING	2		RESERVED FOR FUTURE USE
4	(4)	ADDRESS	4	HMPANSWR	POINTER TO ANSWER AREA (HMAA)
8	(8)	SIGNED	4	HMPANSLN	ANSWER AREA LENGTH
12	(C)	ADDRESS	4	HMPHRBLK	POINTER TO HIGH USED RBA/RBN BLOCK
16	(10)	SIGNED	4	HMPHRNUM	NUMBER OF HMPHR ENTRIES
20	(14)	SIGNED	4	HMPHRSIZ	SIZE OF EACH HMPHR ENTRY
24	(18)	ADDRESS	4	HMPDSBLK	POINTER TO FIRST HMPDS ENTRY
28	(1C)	SIGNED	4	HMPDSNUM	NUMBER OF HMPDS ENTRIES
32	(20)	SIGNED	4	HMPDSSIZ	SIZE OF EACH HMPDS ENTRY
36	(24)	SIGNED	4		RESERVED FOR FUTURE USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMPHR	HIGH USED RBA/N BLOCK SAVEAREA
0	(0)	CHARACTER	44	HMPHRDSN	CACHED DATA SET NAME
44	(2C)	CHARACTER	8	HMPHRSTK	DATA SET'S HIPERSPACE STOKEN
52	(34)	SIGNED	4	HMPHRHRB	HIGH USED RBA / N
52	(34)	X'38'	0	HM@HRLN	""-HMPHR" LENGTH OF AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HMPDS	DATA SET NAME REQUEST BLOCK
0	(0)	CHARACTER	44	HMPDSDSN	REQUESTED DATA SET NAME
0	(0)	X'2C'	0	HM@DSLEN	""-HMPDS" LENGTH OF AREA

Comment

RETURN CODES (IN REG 15) FROM COFDSTAT

End of Comment

HMPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'4'	0	HM@LEN	"4" LENGTH ERROR (ANSWER AREA TOO SMALL)
0	(0)	X'8'	0	HM@PARM	"8" INPUT PARAMETER ERROR
0	(0)	X'C'	0	HM@NHIPR	"12" DLF NOT ACTIVE OR HIPERBATCH NOT CACHING
0	(0)	X'10'	0	HM@NCACH	"16" NO DATA SETS CURRENTLY BEING CACHED
0	(0)	X'14'	0	HM@ENVER	"20" ENVIRONMENTAL ERRORS

Comment

PARAMETER ERROR (RETURN CODE 8) REASON CODES (IN REG 0)

End of Comment

0	(0)	X'0'	0	HM@PRM00	"0" HMPL VERSION NUMBER NOT SUPPORTED
0	(0)	X'4'	0	HM@PRM04	"4" INVALID ANSWER AREA POINTER
0	(0)	X'8'	0	HM@PRM08	"8" INVALID ANSWER AREA LENGTH
0	(0)	X'C'	0	HM@PRM12	"12" INVALID FUNCTION CODE
0	(0)	X'10'	0	HM@PRM16	"16" INVALID DATA SET BLOCK POINTER
0	(0)	X'14'	0	HM@PRM20	"20" INVALID HMPDSDNUM VALUE
0	(0)	X'18'	0	HM@PRM24	"24" INVALID HMPDSSIZ VALUE

Comment

HIPERBATCH ERROR (RETURN CODE 12) REASON CODES (IN REG 0)

End of Comment

0	(0)	X'0'	0	HM@HPB00	"0" DLF NOT ACTIVE
0	(0)	X'4'	0	HM@HPB04	"4" VLF DATA IS INVALID
0	(0)	X'8'	0	HM@HPB08	"8" HB HAS NOT YET OPENED ANY DATA SETS
0	(0)	X'C'	0	HM@HPB12	"12" GLOBAL HEADER EYECATCHER INVALID
0	(0)	X'10'	0	HM@HPB16	"16" GLOBAL PROPER POINTER INVALID
0	(0)	X'14'	0	HM@HPB20	"20" GLOBAL PROPER EYECATCHER INVALID
0	(0)	X'18'	0	HM@HPB24	"24" GLOBAL DATA SET TABLE PTR INVALID

HMPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HM@ALL	1	4	HMPHRNUM	10	
HM@DSLEN	0	2C	HMPHRSTK	2C	
HM@ENVER	0	14	HMPVRSN	0	
HM@GLBL	1	1			
HM@HPB00	0	0			
HM@HPB04	0	4			
HM@HPB08	0	8			
HM@HPB12	0	C			
HM@HPB16	0	10			
HM@HPB20	0	14			
HM@HPB24	0	18			
HM@HRLN	34	38			
HM@LEN	0	4			
HM@NCACH	0	10			
HM@NHIPR	0	C			
HM@PARM	0	8			
HM@PRM00	0	0			
HM@PRM04	0	4			
HM@PRM08	0	8			
HM@PRM12	0	C			
HM@PRM16	0	10			
HM@PRM20	0	14			
HM@PRM24	0	18			
HM@SLCT	1	3			
HM@SUMM	1	2			
HMPANSLN	8				
HMPANSWR	4				
HMPDS	0				
HMPDSBLK	18				
HMPDSDSN	0				
HMPDSDNUM	1C				
HMPDSSIZ	20				
HMPFUNCN	1				
HMPHR	0				
HMPHRBLK	C				
HMPHRDSN	0				
HMPHRHRB	34				

HWICIASM Information

HWICIASM Programming Interface information

Programming Interface information

HWICIASM

End of Programming Interface information

HWCIASM Heading Information • HWCIASM Map

HWCIASM Heading Information

Common Name: Assembler Interface Definition File for the Base Control Program Internal Interface
Macro ID: HWCIASM
DSECT Name: n/a
Owning Component: BCPII (SCHWI)
Eye-Catcher ID: none
Storage Attributes:
Size: n/a
Created by: n/a
Pointed to by: n/a
Serialization: n/a
Function: HWCIASM defines BCPII Constants and declares for programs written in the Assembler language which will invoke the BCPII callable services.

HWCIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	CHARACTER	16	HWI_CONNTOKEN_TYPE	
16	(10)	CHARACTER	17	HWI_CPCNETADDR_TYPE	
33	(21)	CHARACTER	8	HWI_IMAGENAME_TYPE	
41	(29)	CHARACTER	8	HWI_CAPRECNAME_TYPE	
49	(31)	CHARACTER	16	HWI_ACTPROFNAME_TYPE	
65	(41)	CHARACTER	30	HWI_IMAGEGROUPNAME_TYPE	
95	(5F)	CHARACTER	1	HWI_CPCSERIALNUM_TYPE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_DIAGAREA_TYPE	
0	(0)	SIGNED	4	HWI_DIAGAREA_DIAG_INDEX	
4	(4)	SIGNED	4	HWI_DIAGAREA_DIAG_KEY	
8	(8)	SIGNED	4	HWI_DIAGAREA_DIAG_ACTUAL	
12	(C)	SIGNED	4	HWI_DIAGAREA_DIAG_EXPECTED	
16	(10)	SIGNED	4	HWI_DIAGAREA_DIAG_COMMERR	
20	(14)	CHARACTER	12	HWI_DIAGAREA_DIAG_TEXT	

Comment

DiagArea structure length

End of Comment

20	(14)	X'20'	0	HWI_DIAGAREA_TYPE_LENGTH	""-HWI_DIAGAREA_TYPE"
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_QUERYPARM_TYPE	
0	(0)	SIGNED	4	HWI_QUERYPARM_ATTRIBUTEIDENTIFIER	
4	(4)	ADDRESS	4	HWI_QUERYPARM_ATTRIBUTEVALUE_PTR	
8	(8)	SIGNED	4	HWI_QUERYPARM_ATTRIBUTEVALUELEN	
12	(C)	SIGNED	4	HWI_QUERYPARM_ATTRIBUTEVALUELENRETURNED	

Comment

QueryParm structure length

End of Comment

12	(C)	X'10'	0	HWI_QUERYPARM_TYPE_LENGTH	""-HWI_QUERYPARM_TYPE"
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_SETTYPEVALUE_PARM	
0	(0)	X'0'	0	SET_DATA	***
0	(0)	SIGNED	4	HWI_SETTYPEVALUE_PARM_INTEGER	
0	(0)	CHARACTER	1	HWI_SETTYPEVALUE_PARM_STRINGDATA	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
108	(6C)	SIGNED	4	HWIENF68_INT_T	
112	(70)	SIGNED	4	HWIENF68_BOOL_T	
116	(74)	SIGNED	2	HWIENF68_SHORT_T	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWIENF68_STRING_T	
0	(0)	SIGNED	4	HWIENF68_STRING_OFFSTR	
4	(4)	SIGNED	4	HWIENF68_STRING_LENSTR	

Comment

 Command Types returned by ENF for a CMDRESP event.
 This is a list of the possible cmdType values which can be
 returned as part of the ENF data buffer for a CMDRESP event
 in the HWIENF68_CMDRESP_CMDTYPE field.

End of Comment

4	(4)	X'0'	0	HWIENF68_UNKNOWN_COMMAND	"0"
4	(4)	X'1'	0	HWIENF68_ACTIVATE_COMMAND	"1"
4	(4)	X'2'	0	HWIENF68_DEACTIVATE_COMMAND	"2"
4	(4)	X'3'	0	HWIENF68_SEND_OPSYS_COMMAND	"3"
4	(4)	X'4'	0	HWIENF68_RESETNORMAL_COMMAND	"4"
4	(4)	X'5'	0	HWIENF68_START_COMMAND	"5"
4	(4)	X'6'	0	HWIENF68_STOP_COMMAND	"6"
4	(4)	X'7'	0	HWIENF68_PSWRESTART_COMMAND	"7"
4	(4)	X'8'	0	HWIENF68_INITIALIZE_API	"8"
4	(4)	X'9'	0	HWIENF68_TERMINATE_API	"9"
4	(4)	X'A'	0	HWIENF68_LOAD_COMMAND	"10"
4	(4)	X'B'	0	HWIENF68_HW_MESSAGE_REFRESH_COMMAND	"11"
4	(4)	X'C'	0	HWIENF68_RESETCLEAR_COMMAND	"12"
4	(4)	X'D'	0	HWIENF68_HW_MESSAGE_DELETE_COMMAND	"13"
4	(4)	X'E'	0	HWIENF68_ACTIVATE_CBU_COMMAND	"14"
4	(4)	X'F'	0	HWIENF68_UNDO_CBU_COMMAND	"15"
4	(4)	X'10'	0	HWIENF68_IMPORT_PROFILE_COMMAND	"16"
4	(4)	X'11'	0	HWIENF68_EXPORT_PROFILE_COMMAND	"17"
4	(4)	X'12'	0	HWIENF68_RESERVE_COMMAND	"18"
4	(4)	X'13'	0	HWIENF68_EXTERNAL_INTERRUPT_COMMAND	"19"
4	(4)	X'14'	0	HWIENF68_SCSI_LOAD_COMMAND	"20"
4	(4)	X'15'	0	HWIENF68_SCSI_DUMP_COMMAND	"21"
4	(4)	X'16'	0	HWIENF68_SHUTDOWN_RESTART_COMMAND	"22"
4	(4)	X'17'	0	HWIENF68_ACTIVATE_OOCOD_COMMAND	"23"
4	(4)	X'18'	0	HWIENF68_UNDO_OOCOD_COMMAND	"24"
4	(4)	X'19'	0	HWIENF68_ADD_CAPACITY_COMMAND	

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	X'1A'	0	HWIENF68_REMOVE_CAPACITY_COMMAND	"25" "26"

Comment

Event Version constants

End of Comment

4	(4)	X'1'	0	HWIENF68_VERS1	"1"
4	(4)	X'2'	0	HWIENF68_VERS2	"2"
4	(4)	X'2'	0	HWIENF68_CURRVERS	"2"

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWIENF68	
0	(0)	SIGNED	4	HWIENF68_DATATLEN	
4	(4)	CHARACTER	8	HWIENF68_CATCHER	
12	(C)	SIGNED	2	HWIENF68_DATAVERS	
14	(E)	SIGNED	2	HWIENF68_EVENTTYPE	
16	(10)	SIGNED	2	HWIENF68_EVENTSUBTYPE	
18	(12)	SIGNED	2	HWIENF68_EVENTSOURCE	
20	(14)	CHARACTER	17	HWIENF68_CPCNAME	
37	(25)	CHARACTER	8	HWIENF68_IMAGENAME	
45	(2D)	CHARACTER	3		
45	(2D)	X'30'	0	EVENT_DATA	""

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_CMDRESP.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_CMDRESP_T	(0)
48	(30)	CHARACTER	16	HWIENF68_CMDRESP_CONNECTOKEN	
64	(40)	CHARACTER	1	HWIENF68_CMDRESP_EVENTOBJNAME	(0)
64	(40)	CHARACTER	4	CMDRESP_EVENTOBJNAME_OFFSTR	
68	(44)	CHARACTER	4	CMDRESP_EVENTOBJNAME_LENSTR	
72	(48)	CHARACTER	4	HWIENF68_CMDRESP_CMDTYPE	
76	(4C)	CHARACTER	4	HWIENF68_CMDRESP_CMDRETCODE	
80	(50)	CHARACTER	1	HWIENF68_CMDRESP_LASTRESPONSE	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_HWMSG.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_HWMSG_T	(0)
48	(30)	CHARACTER	1	HWIENF68_HWMSG_EVENTOBJNAME	(0)
48	(30)	CHARACTER	4	HWMSG_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	HWMSG_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_HWMSG_MSGTIMESTAMP	(0)
56	(38)	CHARACTER	4	HWMSG_MSGTIMESTAMP_OFFSTR	
60	(3C)	CHARACTER	4	HWMSG_MSGTIMESTAMP_LENSTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	CHARACTER	1	HWIENF68_HWMSG_MSGTEXT (0)	
64	(40)	CHARACTER	4	HWMSG_MSGTEXT_OFFSTR	
68	(44)	CHARACTER	4	HWMSG_MSGTEXT_LENSTR	
72	(48)	CHARACTER	1	HWIENF68_HWMSG_NEWMSG	
76	(4C)	CHARACTER	1	HWIENF68_HWMSG_IMAGELIST (0)	
76	(4C)	CHARACTER	4	HWMSG_IMAGELIST_OFFSTR	
80	(50)	CHARACTER	1	HWMSG_IMAGELIST_LENSTR	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_OPSYSMSG.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_OPSYSMSG_T (0)	
48	(30)	CHARACTER	1	HWIENF68_OPSYSMSG_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	OPSYSMSG_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	OPSYSMSG_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_OPSYSMSG_MSGTEXT (0)	
56	(38)	CHARACTER	4	OPSYSMSG_MSGTEXT_OFFSTR	
60	(3C)	CHARACTER	4	OPSYSMSG_MSGTEXT_LENSTR	
64	(40)	CHARACTER	1	HWIENF68_OPSYSMSG_MSGID (0)	
64	(40)	CHARACTER	4	OPSYSMSG_MSGID_OFFSTR	
68	(44)	CHARACTER	4	OPSYSMSG_MSGID_LENSTR	
72	(48)	CHARACTER	1	HWIENF68_OPSYSMSG_MSGDATE (0)	
72	(48)	CHARACTER	4	OPSYSMSG_MSGDATE_OFFSTR	
76	(4C)	CHARACTER	4	OPSYSMSG_MSGDATE_LENSTR	
80	(50)	CHARACTER	1	HWIENF68_OPSYSMSG_MSGTIME (0)	
80	(50)	CHARACTER	4	OPSYSMSG_MSGTIME_OFFSTR	
84	(54)	CHARACTER	4	OPSYSMSG_MSGTIME_LENSTR	
88	(58)	CHARACTER	1	HWIENF68_OPSYSMSG_PROMPTTEXT (0)	
88	(58)	CHARACTER	4	OPSYSMSG_PROMPTTEXT_OFFSTR	
92	(5C)	CHARACTER	4	OPSYSMSG_PROMPTTEXT_LENSTR	
96	(60)	CHARACTER	1	HWIENF68_OPSYSMSG_OPSYSNAME (0)	
96	(60)	CHARACTER	4	OPSYSMSG_OPSYSNAME_OFFSTR	
100	(64)	CHARACTER	4	OPSYSMSG_OPSYSNAME_LENSTR	
104	(68)	CHARACTER	4	HWIENF68_OPSYSMSG_ALARMMSG	
108	(6C)	CHARACTER	4	HWIENF68_OPSYSMSG_PRIORITYMSG	
112	(70)	CHARACTER	4	HWIENF68_OPSYSMSG_HELDMSG	
116	(74)	CHARACTER	1	HWIENF68_OPSYSMSG_NEWMSG	

Comment

Max_EventData_Size is calculated following the largest event_data mapping.

End of Comment

116	(74)	X'78'	0	MAX_EVENTDATA_SIZE "-HWIENF68"	
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Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_STATUSCHG.

End of Comment

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
48	(30)	CHARACTER	1	HWIENF68_STATUSCHG_T (0)	
48	(30)	CHARACTER	1	HWIENF68_STATUSCHG_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	STATUSCHG_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	STATUSCHG_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	4	HWIENF68_STATUSCHG_OLDSTATUS	
60	(3C)	CHARACTER	1	HWIENF68_STATUSCHG_NEWSTATUS	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_NAMECHG. HWIENF68_NAMECHG_OBJECTTYPE is filled in if the HWIENF68_DATAVERS > 1.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_NAMECHG_T (0)	
48	(30)	CHARACTER	1	HWIENF68_NAMECHG_OLDOBJNAME (0)	
48	(30)	CHARACTER	4	NAMECHG_OLDOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	NAMECHG_OLDOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_NAMECHG_NEWOBJNAME (0)	
56	(38)	CHARACTER	4	NAMECHG_NEWOBJNAME_OFFSTR	
60	(3C)	CHARACTER	4	NAMECHG_NEWOBJNAME_LENSTR	
64	(40)	CHARACTER	1	HWIENF68_NAMECHG_OBJECTTYPE	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_ACTPROFCHG.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_ACTPROFCHG_T (0)	
48	(30)	CHARACTER	1	HWIENF68_ACTPROFCHG_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	ACTPROFCHG_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	ACTPROFCHG_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_ACTPROFCHG_OLDPROFNAME (0)	
56	(38)	CHARACTER	4	ACTPROFCHG_OLDPROFNAME_OFFSTR	
60	(3C)	CHARACTER	4	ACTPROFCHG_OLDPROFNAME_LENSTR	
64	(40)	CHARACTER	1	HWIENF68_ACTPROFCHG_NEWPROFNAME (0)	
64	(40)	CHARACTER	4	ACTPROFCHG_NEWPROFNAME_OFFSTR	
68	(44)	CHARACTER	1	ACTPROFCHG_NEWPROFNAME_LENSTR	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_OBJCREATE. HWIENF68_OBJCREATE_OBJECTTYPE is filled in if the HWIENF68_DATAVERS > 1.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_OBJCREATE_T (0)	
48	(30)	CHARACTER	1	HWIENF68_OBJCREATE_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	OBJCREATE_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	OBJCREATE_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_OBJCREATE_OBJECTTYPE	

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

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_OBJDESTROY. HWIENF68_OBJDESTROY_OBJECTTYPE is filled in if the HWIENF68_DATAVERS > 1.					

End of Comment					
48	(30)	CHARACTER	1	HWIENF68_OBJDESTROY_T (0)	
48	(30)	CHARACTER	1	HWIENF68_OBJDESTROY_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	OBJDESTROY_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	OBJDESTROY_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_OBJDESTROY_OBJECTTYPE	
Comment					

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_OBJEXCEPTION. HWIENF68_OBJEXCEPTION_OBJECTTYPE is filled in if the HWIENF68_DATAVERS > 1.					

End of Comment					
48	(30)	CHARACTER	1	HWIENF68_OBJEXCEPTION_T (0)	
48	(30)	CHARACTER	1	HWIENF68_OBJEXCEPTION_EVENTOBJNAME (0)	
48	(30)	CHARACTER	1	OBJEXCEPTION_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	1	OBJEXCEPTION_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	4	HWIENF68_OBJEXCEPTION_EXCEPTIONSTATE	
60	(3C)	CHARACTER	1	HWIENF68_OBJEXCEPTION_OBJECTTYPE	
Comment					

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_APPLSTARTED.					

End of Comment					
48	(30)	CHARACTER	1	HWIENF68_APPLSTARTED_T (0)	
48	(30)	CHARACTER	1	HWIENF68_APPLSTARTED_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	APPLSTARTED_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	1	APPLSTARTED_EVENTOBJNAME_LENSTR	
Comment					

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_APPLENDED.					

End of Comment					
48	(30)	CHARACTER	1	HWIENF68_APPLENDED_T (0)	
48	(30)	CHARACTER	1	HWIENF68_APPLENDED_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	APPLENDED_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	APPLENDED_EVENTOBJNAME_LENSTR	
56	(38)	SIGNED	4	HWIENF68_APPLENDED_REASON	
60	(3C)	CHARACTER	1	HWIENF68_APPLENDED_CONSOLECOMP (0)	
60	(3C)	CHARACTER	4	APPLENDED_CONSOLECOMP_OFFSTR	

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	CHARACTER	4	APPLENDED_CONSOLECOMP_LENSTR	
68	(44)	SIGNED	4	HWIENF68_APPLENDED_SHUTDOWNWNTYPE	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_HWMSGDEL.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_HWMSGDEL_T (0)	
48	(30)	CHARACTER	1	HWIENF68_HWMSGDEL_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	HWMSGDEL_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	HWMSGDEL_EVENTOBJNAME_LENSTR	
56	(38)	CHARACTER	1	HWIENF68_HWMSGDEL_DELTETIMESTAMP (0)	
56	(38)	CHARACTER	4	HWMSGDEL_DELTETIMESTAMP_OFFSTR	
60	(3C)	CHARACTER	4	HWMSGDEL_DELTETIMESTAMP_LENSTR	
64	(40)	CHARACTER	1	HWIENF68_HWMSGDEL_MSGTEXT (0)	
64	(40)	CHARACTER	4	HWMSGDEL_MSGTEXT_OFFSTR	
68	(44)	CHARACTER	4	HWMSGDEL_MSGTEXT_LENSTR	
72	(48)	CHARACTER	1	HWIENF68_HWMSGDEL_IMAGELIST (0)	
72	(48)	CHARACTER	4	HWMSGDEL_IMAGELIST_OFFSTR	
76	(4C)	CHARACTER	1	HWMSGDEL_IMAGELIST_LENSTR	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_SECURITYEVENT.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_SECURITYEVENT_T (0)	
48	(30)	CHARACTER	1	HWIENF68_SECURITYEVENT_EVENTOBJNAME (0)	
48	(30)	CHARACTER	1	SECURITYEVENT_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	1	SECURITYEVENT_EVENTOBJNAME_OFFLEN	
56	(38)	CHARACTER	1	HWIENF68_SECURITYEVENT_LOGTETIMESTAMP (0)	
56	(38)	CHARACTER	1	SECURITYEVENT_LOGTETIMESTAMP_OFFSTR	
60	(3C)	CHARACTER	1	SECURITYEVENT_LOGTETIMESTAMP_OFFLEN	
64	(40)	CHARACTER	1	HWIENF68_SECURITYEVENT_LOGTEXT (0)	
64	(40)	CHARACTER	1	SECURITYEVENT_LOGTEXT_OFFSTR	
68	(44)	CHARACTER	1	SECURITYEVENT_LOGTEXT_LENSTR	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_CAPACITYCHG.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_CAPACITYCHG_T (0)	
48	(30)	CHARACTER	1	HWIENF68_CAPACITYCHG_EVENTOBJNAME (0)	
48	(30)	CHARACTER	4	CAPACITYCHG_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	4	CAPACITYCHG_EVENTOBJNAME_OFFLEN	
56	(38)	CHARACTER	1	HWIENF68_CAPACITYCHG_CAPCHANGE	

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

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_CAPACITYRECORD.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_CAPACITYRECORD_T (0)	
48	(30)	CHARACTER	1	HWIENF68_CAPACITYRECORD_EVENTOBJNAME (0)	
48	(30)	CHARACTER	1	CAPACITYRECORD_EVENTOBJNAME_OFFSTR	
52	(34)	CHARACTER	1	CAPACITYRECORD_EVENTOBJNAME_OFFLEN	
56	(38)	CHARACTER	1	HWIENF68_CAPACITYRECORD_CAPRECCHANGE	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_DISABLEDWAIT.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_DISABLEDWAIT_T (0)	
48	(30)	CHARACTER	1	HWIENF68_DISABLEDWAIT_PSWVALUE (0)	
48	(30)	CHARACTER	1	DISABLEDWAIT_PSWVALUE_OFFSTR	
52	(34)	CHARACTER	1	DISABLEDWAIT_PSWVALUE_LENSTR	
56	(38)	CHARACTER	4	HWIENF68_DISABLEDWAIT_PARTITIONID	
60	(3C)	CHARACTER	4	HWIENF68_DISABLEDWAIT_PROCESSORNUM	
64	(40)	CHARACTER	1	HWIENF68_DISABLEDWAIT_CPCSERIALNUM (0)	
64	(40)	CHARACTER	1	DISABLEDWAIT_CPCSERIALNUM_OFFSTR	
68	(44)	CHARACTER	1	DISABLEDWAIT_CPCSERIALNUM_LENSTR	

Comment

Mapping of the event data in the buffer passed by ENF to an event exit when the eventType is HWIENF68_EVENTTYPE_HWEVENT and the eventSubType is HWIENF68_HWEVENT_PWRCHG.

End of Comment

48	(30)	CHARACTER	1	HWIENF68_PWRCHG_T (0)	
48	(30)	CHARACTER	4	HWIENF68_PWRCHG_NEWPOWERMODEVALUE	
52	(34)	CHARACTER	4	HWIENF68_PWRCHG_OLDPOWERMODEVALUE	
56	(38)	CHARACTER	4	HWIENF68_PWRCHG_NEWPWRSVEMODEALLOWD	
60	(3C)	CHARACTER	1	HWIENF68_PWRCHG_OLDPWRSVEMODEALLOWD	

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

0	(0)	STRUCTURE	0	HWI_RETURNDATA	
0	(0)	SIGNED	4	HWI_NUMBEROFCPUIDS	

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

0	(0)	STRUCTURE	0	HWI_CPUENTRY	Array of entries, one per CPU
0	(0)	SIGNED	4	HWI_CPU_ID	
4	(4)	SIGNED	4	HWI_CPU_PSW (0)	
4	(4)	BITSTRING	4	HWI_PSWWORD1	
8	(8)	BITSTRING	4	HWI_PSWWORD2	

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	BITSTRING	4	HWI_PSWWORD3	
16	(10)	BITSTRING	4	HWI_PSWWORD4	
16	(10)	X'14'	0	HWI_CPUENTRY_SIZE	"*-HWI_CPUEntry" Size of each entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_POWERSAVINGSMODESRETURNDATA	
0	(0)	SIGNED	4	HWI_NUMBEROFPOWERSAVINGSMODES	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_POWERSAVINGSMODEARRAY	Array of power modes
0	(0)	SIGNED	4	HWI_POWERSAVINGSMODE	
0	(0)	X'4'	0	HWI_POWERSAVINGSMODE_SIZE	"*-HWI_PowerSavingsModeArray"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_IPADDRLISTRETURNDATA_TYPE	
0	(0)	SIGNED	4	HWI_NUMBEROFIPADDRESSES	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_IPADDRESSARRAY	Array of IP addresses
0	(0)	CHARACTER	39	HWI_IPADDRESS	
0	(0)	X'27'	0	HWI_IPADDRESS_SIZE	"*-HWI_IPAddressArray"

Comment

Values for BOOL fields

End of Comment

0	(0)	X'0'	0	HWIENF68_FALSE	"0"
0	(0)	X'1'	0	HWIENF68_TRUE	"1"

Comment

eventType values

An ENF 68 event encompasses events of these types:

- an event indicating the status if BCPii.
- an event indicating a communication error
- an event indicating that a hardware event has occurred.

See the list of eventSubtype values below.

End of Comment

0	(0)	X'1'	0	HWIENF68_EVENTTYPE_BCPiISTATUS	"1"
0	(0)	X'2'	0	HWIENF68_EVENTTYPE_HWCOMMERROR	"2"
0	(0)	X'3'	0	HWIENF68_EVENTTYPE_HWEVENT	"3"

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

Comment

eventSubType values

 A BCPII status event type can be further described by these event subtypes in the eventSubType field in an ENF buffer.

End of Comment

0	(0)	X'1'	0	HWIENF68_BCPIISTATUS_AVAIL	"1"
0	(0)	X'2'	0	HWIENF68_BCPIISTATUS_UNAVAIL	"2"

Comment

 A communication error event type can be further described by these event subtypes in the eventSubType field of an ENF buffer.

End of Comment

0	(0)	X'1'	0	HWIENF68_HWCOMMERROR_TEMP	"1"
0	(0)	X'2'	0	HWIENF68_HWCOMMERROR_PERM	"2"
0	(0)	X'3'	0	HWIENF68_HWCOMMERROR_AVAIL	"3"

Comment

 A hardware event type can be further described by these event subtypes in the eventSubType field of an ENF buffer.

End of Comment

0	(0)	X'1'	0	HWIENF68_HWEVENT_CMDRESP	"1"
0	(0)	X'2'	0	HWIENF68_HWEVENT_STATUSCHG	"2"
0	(0)	X'3'	0	HWIENF68_HWEVENT_NAMECHG	"3"
0	(0)	X'4'	0	HWIENF68_HWEVENT_ACTPROFCHG	"4"
0	(0)	X'5'	0	HWIENF68_HWEVENT_OBJCREATE	"5"
0	(0)	X'6'	0	HWIENF68_HWEVENT_OBJDESTROY	"6"
0	(0)	X'7'	0	HWIENF68_HWEVENT_OBJEXCEPTION	"7"
0	(0)	X'8'	0	HWIENF68_HWEVENT_APPLSTARTED	"8"
0	(0)	X'9'	0	HWIENF68_HWEVENT_APPLENDED	"9"
0	(0)	X'A'	0	HWIENF68_HWEVENT_OPYSMSG	"10"
0	(0)	X'B'	0	HWIENF68_HWEVENT_HWMMSG	"11"
0	(0)	X'C'	0	HWIENF68_HWEVENT_HWMMSGDEL	"12"
0	(0)	X'D'	0	HWIENF68_HWEVENT_CAPACITYCHG	"13"
0	(0)	X'E'	0	HWIENF68_HWEVENT_CAPACITYRECORD	"14"
0	(0)	X'F'	0	HWIENF68_HWEVENT_SECURITYEVENT	"15"
0	(0)	X'10'	0	HWIENF68_HWEVENT_DISABLEDWAIT	"16"
0	(0)	X'11'	0	HWIENF68_HWEVENT_POWERCHANGE	"17"

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
eventSource values					
The source of an ENF 68 event will have one of these values, which is passed in the eventSource field of an ENF buffer.					
End of Comment					

0	(0)	X'0'	0	HWIENF68_EVENTSOURCE_NONE	"0"
0	(0)	X'1'	0	HWIENF68_EVENTSOURCE_CPC	"1"
0	(0)	X'2'	0	HWIENF68_EVENTSOURCE_CPCIMAGE	"2"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
120	(78)	SIGNED	4	HWI_FORCE_TYPE	
124	(7C)	CHARACTER	32	HWI_HWMMSGTIMESTAMP_TYPE	
156	(9C)	CHARACTER	8	HWI_ORDERNUM_TYPE	
164	(A4)	CHARACTER	8	HWI_APPLNAME_TYPE	
172	(AC)	CHARACTER	127	HWI_OSCMDSTRING_TYPE	
299	(12B)	CHARACTER	4	HWI_LOADADDR_TYPE	
303	(12F)	CHARACTER	8	HWI_LOADPARAM_TYPE	
311	(137)	CHARACTER	64	HWI_IPLTOKEN_TYPE	
375	(177)	CHARACTER	16	HWI_WW_PORTNAME_TYPE	
391	(187)	CHARACTER	17	HWI_LU_NUM_TYPE	
408	(198)	SIGNED	4	HWI_BOOT_PGM_SELECTOR_TYPE	
412	(19C)	CHARACTER	257	HWI_OPYSYS_LOADPARAM_TYPE	
669	(29D)	CHARACTER	16	HWI_BOOTREC_BLK_ADDR_TYPE	
685	(2AD)	CHARACTER	1	HWI_STP_ID_TYPE	01
685	(2AD)	X'1'	0	HWI_CMD_FORCE	"1"
685	(2AD)	X'2'	0	HWI_CMD_NOFORCE	"2"
685	(2AD)	X'1'	0	HWI_CMD_HWMMSG_REFRESH	"1"
685	(2AD)	X'2'	0	HWI_CMD_HWMMSG_DELETE	"2"
685	(2AD)	X'1'	0	HWI_CMD_ACT	"1"
685	(2AD)	X'2'	0	HWI_CMD_UNDO	"2"
685	(2AD)	X'1'	0	HWI_CMD_REAL	"1"
685	(2AD)	X'2'	0	HWI_CMD_TEST	"2"
685	(2AD)	X'1'	0	HWI_CMD_PROFILE_IMPORT	"1"
685	(2AD)	X'2'	0	HWI_CMD_PROFILE_EXPORT	"2"
685	(2AD)	X'1'	0	HWI_CMD_RESERVE_ADD	"1"
685	(2AD)	X'2'	0	HWI_CMD_RESERVE_DELETE	"2"
685	(2AD)	X'1'	0	HWI_CMD_RESET_NORMAL	"1"
685	(2AD)	X'2'	0	HWI_CMD_RESET_CLEAR	"2"
685	(2AD)	X'1'	0	HWI_CMD_PRIORITY	"1"
685	(2AD)	X'2'	0	HWI_CMD_NONPRIORITY	"2"
685	(2AD)	X'1'	0	HWI_CMD_TEMPCAP_ADD	"1"
685	(2AD)	X'2'	0	HWI_CMD_TEMPCAP_REMOVE	"2"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_CMDPARAMVALUE	
0	(0)	X'0'	0	CMD_DATA	***

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

Mapping of the command input structure for an Activate command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_ACT_PARM_TYPE (0)	
0	(0)	CHARACTER	1	HWI_CMD_ACT_FORCETYPE	
Comment					

Mapping of the command input structure for a Deactivate command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_DEACT_PARM_TYPE (0)	
0	(0)	CHARACTER	1	HWI_CMD_DEACT_FORCETYPE	
Comment					

Mapping of the command input structure for a Hardware message command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_HWMSG_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_HWMSG_HWMSGTYPE	
4	(4)	CHARACTER	1	HWI_CMD_HWMSG_HWMSGTIMESTAMP	
Comment					

Mapping of the command input structure for a Capacity Backup command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_CBU_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_CBU_CBUTYPE	
4	(4)	SIGNED	4	HWI_CMD_CBU_ACTIVATETYPE	
Comment					

Mapping of the command input structure for an On/Off Capacity On Demand command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_OOCOD_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_OOCOD_OOCODTYPE	
4	(4)	CHARACTER	1	HWI_CMD_OOCOD_ORDERNUMBER	
Comment					

Mapping of the command input structure for a CPC Profile access command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	1	HWI_CMD_PROFILE_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_PROFILE_PROFILETYP	
4	(4)	SIGNED	2	HWI_CMD_PROFILE_AREANUMBER	

Comment

Mapping of the command input structure for a Reserve command whose address is passed to HWICMD in the CmdParm_Ptr.

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_RESERVE_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_RESERVE_RESERVETYP	
4	(4)	CHARACTER	1	HWI_CMD_RESERVE_APPLNAME	

Comment

Mapping of the command input structure for a System Reset command whose address is passed to HWICMD in the CmdParm_Ptr.

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SYSRESET_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_SYSRESET_RESETTYP	
4	(4)	CHARACTER	1	HWI_CMD_SYSRESET_FORCETYP	

Comment

Mapping of the command input structure for an Operating System command whose address is passed to HWICMD in the CmdParm_Ptr.

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_OSCMD_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_OSCMD_PRIORITYTYP	
4	(4)	CHARACTER	1	HWI_CMD_OSCMD_OSCMDSTRIN	

Comment

Mapping of the command input structure for the Load or Dump command whose address is passed to HWICMD in the CmdParm_Ptr.

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_LOADORDUMP_PARM_T	
0	(0)	CHARACTER	4	HWI_CMD_LOADORDUMP_LOADAD	
4	(4)	CHARACTER	8	HWI_CMD_LOADORDUMP_LOADP	
12	(C)	CHARACTER	1	HWI_CMD_LOADORDUMP_FORCET	

Comment

Mapping of the command input structure for the Temporary Capacity command whose address is passed to HWICMD in the CmdParm_Ptr.

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_TEMPCAP_PARM_T	
0	(0)	SIGNED	4	HWI_CMD_TEMPCAP_TEMPCAPT	
4	(4)	ADDRESS	4	HWI_CMD_TEMPCAP_XML_PTR	
8	(8)	SIGNED	4	HWI_CMD_TEMPCAP_XML_SIZE	

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

Mapping of the command input structure for the System Reset with an IPL token command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SYSRESET_IPLT_PARM_TYPE (0)	
0	(0)	SIGNED	4	HWI_CMD_SYSRESET_IPLT_RESETTYPE	
4	(4)	CHARACTER	4	HWI_CMD_SYSRESET_IPLT_FORCETYPE	
8	(8)	ADDRESS	4	HWI_CMD_SYSRESET_IPLT_IPLTOKEN_PTR	
12	(C)	SIGNED	4	HWI_CMD_SYSRESET_IPLT_IPLTOKEN_LEN	
Comment					

Mapping of the command input structure for an Activate with an Activation profile command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_ACT_WITH_ACTPROF_PARM_TYPE (0)	
0	(0)	CHARACTER	1	HWI_CMD_ACT_WITH_ACTPROF_ACTPROFNAME	
16	(10)	CHARACTER	1	HWI_CMD_ACT_WITH_ACTPROF_FORCETYPE	
Comment					

Mapping of the command input structure for both the SCSI Load and the SCSI Dump commands whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SCSICMD_PARM_TYPE (0)	
0	(0)	CHARACTER	4	HWI_CMD_SCSICMD_LOADADDR	
4	(4)	CHARACTER	8	HWI_CMD_SCSICMD_LOADPARM	
12	(C)	CHARACTER	16	HWI_CMD_SCSICMD_WW_PORTNAME	
28	(1C)	CHARACTER	16	HWI_CMD_SCSICMD_LU_NUM	
44	(2C)	CHARACTER	1	HWI_CMD_SCSICMD_BOOT_PGM_SELECTOR	
48	(30)	CHARACTER	1	HWI_CMD_SCSICMD_OPSYS_LOADPARM	
305	(131)	CHARACTER	3	HWI_CMD_SCSICMD_RSVD	
308	(134)	CHARACTER	1	HWI_CMD_SCSICMD_BOOTREC_BLK_ADDR	
324	(144)	CHARACTER	1	HWI_CMD_SCSICMD_FORCETYPE	
Comment					

Max_CmdParmValue_Size is calculated after the largest cmd data mapping.					

End of Comment					
324	(144)	X'148'	0	MAX_CMDPARMVALUE_SIZE	"*-HWI_CMDPARMVALUE"
Comment					

Mapping of the command input structure for a Power Control command whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_POWER_CONTROL_PARM_TYPE (0)	
0	(0)	ADDRESS	4	HWI_CMD_POWER_CONTROL_XML_PTR	
4	(4)	SIGNED	4	HWI_CMD_POWER_CONTROL_XML_SIZE	

HWICIASM Map

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

Mapping of the command input structure for the command which swaps the Current Time Server (from the preferred time server to the backup time server) whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_SWAP_CTS_TYPE (0)	
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_SWAP_STP_ID	
Comment					

Mapping of the command input structure for the command which sets the configuration for a Server-Time-Protocol-only coordinated network command, whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_SET_STP_CONFIG_TYPE (0)	
0	(0)	CHARACTER	8	HWI_CMD_SYSPLEXTIME_SET_STP_ID	
8	(8)	CHARACTER	4	HWI_CMD_SYSPLEXTIME_SET_FORCETYPE	
12	(C)	ADDRESS	4	HWI_CMD_SYSPLEXTIME_SET_XML_PTR	
16	(10)	SIGNED	4	HWI_CMD_SYSPLEXTIME_SET_XML_SIZE	
Comment					

Mapping of the command input structure for the command which changes the Server Time Protocol Id for a Coordinated Timing Network, whose address is passed to HWICMD in the CmdParmPtr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_CHG_STPONLYCTN_TYPE (0)	
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_CHG_STP_ID	
Comment					

Mapping of the command input structure for the command which allows a CPC to join a Server-Time-Protocol-only coordinated timing network, whose address is passed to HWICMD in the CmdParm_Ptr.					

End of Comment					
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_JOIN_STPONLYCTN_TYPE (0)	
0	(0)	CHARACTER	1	HWI_CMD_SYSPLEXTIME_JOIN_STP_ID	
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWI_EVENTIDS_TYPE	
0	(0)	CHARACTER	12	HWI_EVENTID_EYECATCHER	
12	(C)	SIGNED	4	HWI_EVENTID_VALUE (0)	
- Fullword label					

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Event masks to set the appropriate byte in the HWI_EVENTID_VALUE.					
End of Comment					
12	(C)	BITSTRING 1... ..	1	HWI_EVENTID1	- 1st byte of flags
		.1.		HWI_EVENT_CMDRESP	"X'80" -
		..1.		HWI_EVENT_STATUSCHG	"X'40" -
		...1		HWI_EVENT_NAMECHG	"X'20" -
		.... 1..		HWI_EVENT_ACTPROFCHG	"X'10" -
		.... .1..		HWI_EVENT_OBJCREATE	"X'08" -
		.... ..1.		HWI_EVENT_OBJDESTROY	"X'04" -
		.... ...1		HWI_EVENT_OBJEXCEPTION	"X'02" -
				HWI_EVENT_APPLSTARTED	"X'01" -
13	(D)	BITSTRING 1... ..	1	HWI_EVENTID2	- 2nd byte of flags
		.1.		HWI_EVENT_APPLENDED	"X'80" -
		..1.		HWI_EVENT_HWMMSG	"X'40" -
		...1		HWI_EVENT_HWMMSGDEL	"X'20" -
		.... 1..		HWI_EVENT_SECURITYEVENT	"X'10" -
		.... .1..		HWI_EVENT_CAPACITYCHG	"X'08" -
		.... ..1.		HWI_EVENT_CAPACITYRECORD	"X'04" -
		.... ...1		HWI_EVENT_OPSYSMSG	"X'02" -
				HWI_EVENT_HWCOMMERROR	"X'01" -
14	(E)	BITSTRING 1... ..	1	HWI_EVENTID3	- 3rd byte of flags
		.1.		HWI_EVENT_BCPIISTATUS	"X'80" -
		..1.		HWI_EVENT_DISABLEDWAIT	"X'40" -
		...1		HWI_EVENT_POWERCHANGE	"X'20" -

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWICMDPARMLIST	
0	(0)	ADDRESS	4	HWICMDRETCODEPTR	Address of Command Retcode
4	(4)	ADDRESS	4	HWICMDCONNECTTOKENPTR	Address of Command Token
8	(8)	ADDRESS	4	HWICMDCMDTYPEPTR	Address of Command Command Type
12	(C)	ADDRESS	4	HWICMDCMDPARM_PTRPTR	Address of Command CmdParm Pointer
16	(10)	ADDRESS	4	HWICMDDIAGAREAPTR	Address of Command Diag Area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWICONNPARMLIST	
0	(0)	ADDRESS	4	HWICONNRETCODEPTR	Address of Connect Retcode
4	(4)	ADDRESS	4	HWICONNINCONNECTTOKENPTR	Address of Connect InConnect Token
8	(8)	ADDRESS	4	HWICONNOUTCONNECTTOKENPTR	

HWICIASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	HWICONNCMDTYPEPTR	Address of Connect OutConnect Token
16	(10)	ADDRESS	4	HWICONNTYPEVALUE_PTRPTR	Address of Connect Command Type
20	(14)	ADDRESS	4	HWICONNDIAGAREAPTR	Address of Connect Type Value Ptr Address of Connect Diag Area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWIDISCPARMLIST	
0	(0)	ADDRESS	4	HWIDISCRETCODEPTR	Address of Disconnect Retcode
4	(4)	ADDRESS	4	HWIDISCONNECTTOKENPTR	Address of Disconnect Token
8	(8)	ADDRESS	4	HWIDISCDIAGAREAPTR	Address of Disconnect Diag Area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWIEVENTPARMLIST	
0	(0)	ADDRESS	4	HWIEVENTRETCODEPTR	Address of Event Retcode
4	(4)	ADDRESS	4	HWIEVENTCONNECTTOKENPTR	Address of Event Connect Token
8	(8)	ADDRESS	4	HWIEVENTEVENTACTIONPTR	Address of Event Action
12	(C)	ADDRESS	4	HWIEVENTEVENTIDSPT	Address of Event EventIDs
16	(10)	ADDRESS	4	HWIEVENTEXITMODEPTR	Address of Event Exit Mode
20	(14)	ADDRESS	4	HWIEVENTEXITADDRPTR	Address of Event Exit Address
24	(18)	ADDRESS	4	HWIEVENTEXITPARMPTR	Address of Event Exit Parameters
28	(1C)	ADDRESS	4	HWIEVENTDIAGAREAPTR	Address of Event Diag Area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWILISTPARMLIST	
0	(0)	ADDRESS	4	HWILISTRETCODEPTR	Address of List Retcode
4	(4)	ADDRESS	4	HWILISTCONNECTTOKENPTR	Address of List Connect Token
8	(8)	ADDRESS	4	HWILISTTYPEPTR	Address of List List Type
12	(C)	ADDRESS	4	HWILISTNUMOFDATAITEMSRETURNEDPTR	Addr of List Num of Data Rtn
16	(10)	ADDRESS	4	HWILISTANSWERAREA_PTRPTR	Address of List Answer Area Ptr
20	(14)	ADDRESS	4	HWILISTANSWERAREALENPTR	Address of List Answer Area Len
24	(18)	ADDRESS	4	HWILISTDIAGAREAPTR	Address of List Diag Area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWIQUERYPARMLIST	
0	(0)	ADDRESS	4	HWIQUERYRETCODEPTR	Address of Query Retcode
4	(4)	ADDRESS	4	HWIQUERYCONNECTTOKENPTR	Address of Query Connect Token
8	(8)	ADDRESS	4	HWIQUERYPARMPTRPTR	Address of Query Parameter Pointer
12	(C)	ADDRESS	4	HWIQUERYNUMOFATTRIBUTESPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	ADDRESS	4	HWIQUERYDIAGAREAPTR	Address of Query Num of Attributes Address of Query Diag Area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HWISETPARMLIST	
0	(0)	ADDRESS	4	HWISETRETCODEPTR	
4	(4)	ADDRESS	4	HWISETCONNECTOKENPTR	Address of Set Retcode Address of Set Connect Token
8	(8)	ADDRESS	4	HWISETTYPEPTR	Address of Set Type
12	(C)	ADDRESS	4	HWISETTYPEVALUEPTRPTR	Address of Set Type Value Pointer
16	(10)	ADDRESS	4	HWISETTYPEVALUELENPTR	Address of Set Type Value Length
20	(14)	ADDRESS	4	HWISETDIAGAREAPTR	Address of Set Diag Area

HWICIASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ACTPROFCHG_EVENTOBJNAME_LENSTR	34		HWI_APPLNAME_TYPE	31	
ACTPROFCHG_EVENTOBJNAME_OFFSTR	30		HWI_BOOT_PGM_SELECTOR_TYPE	A4	
ACTPROFCHG_NEWPROFNAME_LENSTR	44		HWI_BOOTREC_BLK_ADDR_TYPE	198	
ACTPROFCHG_NEWPROFNAME_OFFSTR	40		HWI_CAPRECNAME_TYPE	29D	
ACTPROFCHG_OLDPROFNAME_LENSTR	3C		HWI_CMD_ACT	2AD	1
ACTPROFCHG_OLDPROFNAME_OFFSTR	38		HWI_CMD_ACT_FORCETYPE	0	
APPLENDED_CONSOLECOMP_LENSTR	40		HWI_CMD_ACT_PARM_TYPE	0	
APPLENDED_CONSOLECOMP_OFFSTR	3C		HWI_CMD_ACT_WITH_ACTPROF_ACTPROFNAME	0	
APPLENDED_EVENTOBJNAME_LENSTR	34		HWI_CMD_ACT_WITH_ACTPROF_FORCETYPE	10	
APPLENDED_EVENTOBJNAME_OFFSTR	30		HWI_CMD_ACT_WITH_ACTPROF_PARM_TYPE	0	
APPLSTARTED_EVENTOBJNAME_LENSTR	34		HWI_CMD_CBU_ACTIVATETYPE	4	
APPLSTARTED_EVENTOBJNAME_OFFSTR	30		HWI_CMD_CBU_CBUTYPE	0	
CAPACITYCHG_EVENTOBJNAME_OFFLEN	34		HWI_CMD_CBU_PARM_TYPE	0	
CAPACITYCHG_EVENTOBJNAME_OFFSTR	30		HWI_CMD_DEACT_FORCETYPE	0	
CAPACITYRECORD_EVENTOBJNAME_OFFLEN	34		HWI_CMD_DEACT_PARM_TYPE	0	
CAPACITYRECORD_EVENTOBJNAME_OFFSTR	30		HWI_CMD_FORCE	2AD	1
CMD_DATA	0	0	HWI_CMD_HWMSG_DELETE	2AD	2
CMDRESP_EVENTOBJNAME_LENSTR	44		HWI_CMD_HWMSG_HWMSGTIMESTAMP	4	
CMDRESP_EVENTOBJNAME_OFFSTR	40		HWI_CMD_HWMSG_HWMSGTYPE	0	
DISABLEDWAIT_CPCSERIALNUM_LENSTR	44		HWI_CMD_HWMSG_PARM_TYPE	0	
DISABLEDWAIT_CPCSERIALNUM_OFFSTR	40		HWI_CMD_HWMSG_REFRESH	2AD	1
DISABLEDWAIT_PSWVALUE_LENSTR	34		HWI_CMD_LOADORDUMP_FORCETYPE	C	
DISABLEDWAIT_PSWVALUE_OFFSTR	30		HWI_CMD_LOADORDUMP_LOADADDR	0	
EVENT_DATA	2D	30	HWI_CMD_LOADORDUMP_LOADPARAM		

HWICIASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HWI_CMD_LOADORDUMP_PARM_TYPE	4		HWI_CMD_SYSPLXTIME_CHG_STPONLYCTN_TYPE	0	
HWI_CMD_NOFORCE	0		HWI_CMD_SYSPLXTIME_JOIN_STP_ID	0	
HWI_CMD_NONPRIORITY	2AD	2	HWI_CMD_SYSPLXTIME_JOIN_STPONLYCTN_TYPE	0	
HWI_CMD_OOCOD_OOCODTYPE	2AD	2	HWI_CMD_SYSPLXTIME_SET_FORCETYPE	8	
HWI_CMD_OOCOD_ORDERNUMBER	0		HWI_CMD_SYSPLXTIME_SET_STP_CONFIG_TYPE	0	
HWI_CMD_OOCOD_PARM_TYPE	4		HWI_CMD_SYSPLXTIME_SET_STP_ID	0	
HWI_CMD_OSCMD_OSCMDSTRING	0		HWI_CMD_SYSPLXTIME_SET_XML_PTR	C	
HWI_CMD_OSCMD_PARM_TYPE	4		HWI_CMD_SYSPLXTIME_SET_XML_SIZE	10	
HWI_CMD_OSCMD_PRIORITYTYPE	0		HWI_CMD_SYSPLXTIME_SWAP_CTS_TYPE	0	
HWI_CMD_POWER_CONTROL_PARM_TYPE	0		HWI_CMD_SYSPLXTIME_SWAP_STP_ID	0	
HWI_CMD_POWER_CONTROL_XML_PTR	0		HWI_CMD_SYSRESET_FORCETYPE	4	
HWI_CMD_POWER_CONTROL_XML_SIZE	4		HWI_CMD_SYSRESET_IPLT_FORCETYPE	4	
HWI_CMD_PRIORITY	2AD	1	HWI_CMD_SYSRESET_IPLT_IPLTOKEN_LEN	C	
HWI_CMD_PROFILE_AREANUMBER	4		HWI_CMD_SYSRESET_IPLT_IPLTOKEN_PTR	8	
HWI_CMD_PROFILE_EXPORT	2AD	2	HWI_CMD_SYSRESET_IPLT_PARM_TYPE	0	
HWI_CMD_PROFILE_IMPORT	2AD	1	HWI_CMD_SYSRESET_IPLT_RESETYPE	0	
HWI_CMD_PROFILE_PARM_TYPE	0		HWI_CMD_SYSRESET_PARM_TYPE	0	
HWI_CMD_PROFILE_PROFILETYPE	0		HWI_CMD_SYSRESET_RESETYPE	0	
HWI_CMD_REAL	2AD	1	HWI_CMD_TEMPCAP_ADD	2AD	1
HWI_CMD_RESERVE_ADD	2AD	1	HWI_CMD_TEMPCAP_PARM_TYPE	0	
HWI_CMD_RESERVE_APPLNAME	4		HWI_CMD_TEMPCAP_REMOVE	2AD	2
HWI_CMD_RESERVE_DELETE	2AD	2	HWI_CMD_TEMPCAP_TEMPCAPTYPE	0	
HWI_CMD_RESERVE_PARM_TYPE	0		HWI_CMD_TEMPCAP_XML_PTR	4	
HWI_CMD_RESERVE_RESERVETYPE	0		HWI_CMD_TEMPCAP_XML_SIZE	8	
HWI_CMD_RESET_CLEAR	2AD	2	HWI_CMD_TEST	2AD	2
HWI_CMD_RESET_NORMAL	2AD	1	HWI_CMD_UNDO	2AD	2
HWI_CMD_SCSICMD_BOOT_PGM_SELECTOR	2C		HWI_CMDPARMVALUE	0	
HWI_CMD_SCSICMD_BOOTREC_BLK_ADDR	134		HWI_CONNTOKEN_TYPE	0	
HWI_CMD_SCSICMD_FORCETYPE	144		HWI_CPCNETADDR_TYPE	10	
HWI_CMD_SCSICMD_LOADADDR	0		HWI_CPCSERIALNUM_TYPE	5F	
HWI_CMD_SCSICMD_LOADPARM	4		HWI_CPU_ID	0	
HWI_CMD_SCSICMD_LU_NUM	1C		HWI_CPU_PSW	4	
HWI_CMD_SCSICMD_OPSYS_LOADPARM	30		HWI_CPUENTRY	0	
HWI_CMD_SCSICMD_PARM_TYPE	0		HWI_CPUENTRY_SIZE	10	14
HWI_CMD_SCSICMD_RSVD	131		HWI_DIAGAREA_DIAG_ACTUAL	8	
HWI_CMD_SCSICMD_WW_PORTNAME	C		HWI_DIAGAREA_DIAG_COMMERR	10	
HWI_CMD_SYSPLXTIME_CHG_STP_ID	0		HWI_DIAGAREA_DIAG_EXPECTED	C	
			HWI_DIAGAREA_DIAG_INDEX	0	
			HWI_DIAGAREA_DIAG_KEY	4	
			HWI_DIAGAREA_DIAG_TEXT		

Name	Hex Offset	Hex Value
	14	
HWI_DIAGAREA_TYPE	0	
HWI_DIAGAREA_TYPE_LENGTH	14	20
HWI_EVENT_ACTPROFCHG	C	10
HWI_EVENT_APPLENDED	D	80
HWI_EVENT_APPLSTARTED	C	1
HWI_EVENT_BCPIISTATUS	E	80
HWI_EVENT_CAPACITYCHG	D	8
HWI_EVENT_CAPACITYRECORD	D	4
HWI_EVENT_CMDRESP	C	80
HWI_EVENT_DISABLEDWAIT	E	40
HWI_EVENT_HWCOMMERROR	D	1
HWI_EVENT_HWMSG	D	40
HWI_EVENT_HWMSGDEL	D	20
HWI_EVENT_NAMECHG	C	20
HWI_EVENT_OBJCREATE	C	8
HWI_EVENT_OBJDESTROY	C	4
HWI_EVENT_OBJEXCEPTION	C	2
HWI_EVENT_OPSSYSMSG	D	2
HWI_EVENT_POWERCHANGE	E	20
HWI_EVENT_SECURITYEVENT	D	10
HWI_EVENT_STATUSCHG	C	40
HWI_EVENTID_EYECATCHER	0	
HWI_EVENTID_VALUE	C	
HWI_EVENTIDS_TYPE	0	
HWI_EVENTID1	C	
HWI_EVENTID2	D	
HWI_EVENTID3	E	
HWI_FORCE_TYPE	78	
HWI_HWMSGTIMESTAMP_TYPE	7C	
HWI_IMAGEGROUPNAME_TYPE	41	
HWI_IMAGENAME_TYPE	21	
HWI_IPADDRESS	0	
HWI_IPADDRESS_SIZE	0	27
HWI_IPADDRESSARRAY	0	
HWI_IPADDRLISTRETURNDATA_TYPE	0	
HWI_IPLTOKEN_TYPE	137	
HWI_LOADADDR_TYPE	12B	
HWI_LOADPARAM_TYPE	12F	

Name	Hex Offset	Hex Value
HWI_LU_NUM_TYPE	187	
HWI_NUMBEROFCPUIDS	0	
HWI_NUMBEROFIPADDRESSES	0	
HWI_NUMBEROFPOWERSAVINGSMODES	0	
HWI_OPSSYS_LOADPARAM_TYPE	19C	
HWI_ORDERNUM_TYPE	9C	
HWI_OSCMDSTRING_TYPE	AC	
HWI_POWERSAVINGSMODE	0	
HWI_POWERSAVINGSMODE_SIZE	0	4
HWI_POWERSAVINGSMODEARRAY	0	
HWI_POWERSAVINGSMODESRETURNDATA	0	
HWI_PSWWORD1	4	
HWI_PSWWORD2	8	
HWI_PSWWORD3	C	
HWI_PSWWORD4	10	
HWI_QUERYPARAM_ATTRIBUTEIDENTIFIER	0	
HWI_QUERYPARAM_ATTRIBUTEVALUE_PTR	4	
HWI_QUERYPARAM_ATTRIBUTEVALUELEN	8	
HWI_QUERYPARAM_ATTRIBUTEVALUELENRETURNED	C	
HWI_QUERYPARAM_TYPE	0	
HWI_QUERYPARAM_TYPE_LENGTH	C	10
HWI_RETURNDATA	0	
HWI_SETTYPEVALUE_PARAM	0	
HWI_SETTYPEVALUE_PARAM_INTEGER	0	
HWI_SETTYPEVALUE_PARAM_STRINGDATA	0	
HWI_STP_ID_TYPE	2AD	
HWI_WW_PORTNAME_TYPE	177	
HWICMDCMDPARAM_PTRPTR	C	
HWICMDCMDTYPEPTR	8	
HWICMDCONNECTTOKENPTR	4	
HWICMDDIAGAREAPTR	10	
HWICMDPARMLIST	0	
HWICMDRETCODEPTR	0	
HWICONNCMDTYPEPTR	C	
HWICONNDIAGAREAPTR	14	
HWICONNINCONNECTTOKENPTR	4	
HWICONNOUTCONNECTTOKENPTR	8	
HWICONNPARMLIST	0	
HWICONNRETCODEPTR	0	

HWICIASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HWICONNTYPEVALUE_PTRPTR	10		HWIENF68_CURRVERS	14	
HWIDISCONNECTTOKENPTR	4		HWIENF68_DATATLEN	4	2
HWIDISCDIAGAREAPTR	8		HWIENF68_DATAVERS	0	
HWIDISCPARMLIST	0		HWIENF68_DATAVERS	C	
HWIDISCRETCODEPTR	0		HWIENF68_DEACTIVATE_COMMAND	4	2
HWIENF68	0		HWIENF68_DISABLEDWAIT_CPCSERIALNUM	40	
HWIENF68_ACTIVATE_CBU_COMMAND	4	E	HWIENF68_DISABLEDWAIT_PARTITIONID	38	
HWIENF68_ACTIVATE_COMMAND	4	1	HWIENF68_DISABLEDWAIT_PROCESSORNUM	3C	
HWIENF68_ACTIVATE_OOCOD_COMMAND	4	17	HWIENF68_DISABLEDWAIT_PSWVALUE	30	
HWIENF68_ACTPROFCHG_EVENTOBJNAME	30		HWIENF68_DISABLEDWAIT_T	30	
HWIENF68_ACTPROFCHG_NEWPROFNAME	40		HWIENF68_EVENTSOURCE	12	
HWIENF68_ACTPROFCHG_OLDPROFNAME	38		HWIENF68_EVENTSOURCE_CPC	0	1
HWIENF68_ACTPROFCHG_T	30		HWIENF68_EVENTSOURCE_CPCIMAGE	0	2
HWIENF68_ADD_CAPACITY_COMMAND	4	19	HWIENF68_EVENTSOURCE_NONE	0	0
HWIENF68_APPLENDED_CONSOLECOMP	3C		HWIENF68_EVENTSUBTYPE	10	
HWIENF68_APPLENDED_EVENTOBJNAME	30		HWIENF68_EVENTTYPE	E	
HWIENF68_APPLENDED_REASON	38		HWIENF68_EVENTTYPE_BCPIISTATUS	0	1
HWIENF68_APPLENDED_SHUTDOWNTYPE	44		HWIENF68_EVENTTYPE_HWCOMMERROR	0	2
HWIENF68_APPLENDED_T	30		HWIENF68_EVENTTYPE_HWEVENT	0	3
HWIENF68_APPLSTARTED_EVENTOBJNAME	30		HWIENF68_EXPORT_PROFILE_COMMAND	4	11
HWIENF68_APPLSTARTED_T	30		HWIENF68_EXTERNAL_INTERRUPT_COMMAND	4	13
HWIENF68_BCPIISTATUS_AVAIL	0	1	HWIENF68_FALSE	0	0
HWIENF68_BCPIISTATUS_UNAVAIL	0	2	HWIENF68_HW_MESSAGE_DELETE_COMMAND	4	D
HWIENF68_BOOL_T	70		HWIENF68_HW_MESSAGE_REFRESH_COMMAND	4	B
HWIENF68_CAPACITYCHG_CAPCHANGE	38		HWIENF68_HWCOMMERROR_AVAIL	0	3
HWIENF68_CAPACITYCHG_EVENTOBJNAME	30		HWIENF68_HWCOMMERROR_PERM	0	2
HWIENF68_CAPACITYCHG_T	30		HWIENF68_HWCOMMERROR_TEMP	0	1
HWIENF68_CAPACITYRECORD_CAPRECCHANGE	38		HWIENF68_HWEVENT_ACTPROFCHG	0	4
HWIENF68_CAPACITYRECORD_EVENTOBJNAME	30		HWIENF68_HWEVENT_APPLENDED	0	9
HWIENF68_CAPACITYRECORD_T	30		HWIENF68_HWEVENT_APPLSTARTED	0	8
HWIENF68_CATCHER	4		HWIENF68_HWEVENT_CAPACITYCHG	0	D
HWIENF68_CMDRESP_CMDRETCODE	4C		HWIENF68_HWEVENT_CAPACITYRECORD	0	E
HWIENF68_CMDRESP_CMDTYPE	48		HWIENF68_HWEVENT_CMDRESP	0	1
HWIENF68_CMDRESP_CONNECTTOKEN	30		HWIENF68_HWEVENT_DISABLEDWAIT	0	10
HWIENF68_CMDRESP_EVENTOBJNAME	40		HWIENF68_HWEVENT_HWMMSG	0	B
HWIENF68_CMDRESP_LASTRESPONSE	50		HWIENF68_HWEVENT_HWMMSGDEL	0	C
HWIENF68_CMDRESP_T	30		HWIENF68_HWEVENT_NAMECHG	0	3
HWIENF68_CPCNAME			HWIENF68_HWEVENT_OBJCREATE		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HWIENF68_HWEVENT_OBJDESTROY	0	5	HWIENF68_OPSSYSMSG_EVENTOBJNAME	68	
HWIENF68_HWEVENT_OBJEXCEPTION	0	6	HWIENF68_OPSSYSMSG_HELDMSG	30	
HWIENF68_HWEVENT_OPSSYSMSG	0	7	HWIENF68_OPSSYSMSG_MSGDATE	70	
HWIENF68_HWEVENT_POWERCHANGE	0	A	HWIENF68_OPSSYSMSG_MSGID	48	
HWIENF68_HWEVENT_SECURITYEVENT	0	11	HWIENF68_OPSSYSMSG_MSGID	40	
HWIENF68_HWEVENT_STATUSCHG	0	F	HWIENF68_OPSSYSMSG_MSGTEXT	38	
HWIENF68_HWMSG_EVENTOBJNAME	0	2	HWIENF68_OPSSYSMSG_MSGTIME	50	
HWIENF68_HWMSG_IMAGELIST	30		HWIENF68_OPSSYSMSG_NEWMSG	74	
HWIENF68_HWMSG_MSGTEXT	4C		HWIENF68_OPSSYSMSG_OPSSYSNAME	60	
HWIENF68_HWMSG_MSGTIMESTAMP	40		HWIENF68_OPSSYSMSG_PRIORITYMSG	6C	
HWIENF68_HWMSG_NEWMSG	38		HWIENF68_OPSSYSMSG_PROMPTTEXT	58	
HWIENF68_HWMSG_T	48		HWIENF68_OPSSYSMSG_T	30	
HWIENF68_HWMSGDEL_DELTIMESTAMP	30		HWIENF68_PSWRESTART_COMMAND	4	7
HWIENF68_HWMSGDEL_EVENTOBJNAME	38		HWIENF68_PWRCHG_NEWPOWERMODEVALUE	30	
HWIENF68_HWMSGDEL_IMAGELIST	30		HWIENF68_PWRCHG_NEWPWRSVEMODEALLOWD	38	
HWIENF68_HWMSGDEL_MSGTEXT	48		HWIENF68_PWRCHG_OLDPOWERMODEVALUE	34	
HWIENF68_HWMSGDEL_T	40		HWIENF68_PWRCHG_OLDPWRSVEMODEALLOWD	3C	
HWIENF68_IMAGENAME	30		HWIENF68_PWRCHG_T	30	
HWIENF68_IMPORT_PROFILE_COMMAND	4	10	HWIENF68_REMOVE_CAPACITY_COMMAND	4	1A
HWIENF68_INITIALIZE_API	4	8	HWIENF68_RESERVE_COMMAND	4	12
HWIENF68_INT_T	6C		HWIENF68_RESETCLEAR_COMMAND	4	C
HWIENF68_LOAD_COMMAND	4	A	HWIENF68_RESETNORMAL_COMMAND	4	4
HWIENF68_NAMECHG_NEWOBJNAME	38		HWIENF68_SCSI_DUMP_COMMAND	4	15
HWIENF68_NAMECHG_OBJECTTYPE	40		HWIENF68_SCSI_LOAD_COMMAND	4	14
HWIENF68_NAMECHG_OLDOBJNAME	30		HWIENF68_SECURITYEVENT_EVENTOBJNAME	30	
HWIENF68_NAMECHG_T	30		HWIENF68_SECURITYEVENT_LOGTEXT	40	
HWIENF68_OBJCREATE_EVENTOBJNAME	30		HWIENF68_SECURITYEVENT_LOGTIMESTAMP	38	
HWIENF68_OBJCREATE_OBJECTTYPE	38		HWIENF68_SECURITYEVENT_T	30	
HWIENF68_OBJCREATE_T	30		HWIENF68_SEND_OPSSYS_COMMAND	4	3
HWIENF68_OBJDESTROY_EVENTOBJNAME	30		HWIENF68_SHORT_T	74	
HWIENF68_OBJDESTROY_OBJECTTYPE	38		HWIENF68_SHUTDOWN_RESTART_COMMAND	4	16
HWIENF68_OBJDESTROY_T	30		HWIENF68_START_COMMAND	4	5
HWIENF68_OBJEXCEPTION_EVENTOBJNAME	30		HWIENF68_STATUSCHG_EVENTOBJNAME	30	
HWIENF68_OBJEXCEPTION_EXCEPTIONSTATE	38		HWIENF68_STATUSCHG_NEWSTATUS	3C	
HWIENF68_OBJEXCEPTION_OBJECTTYPE	3C		HWIENF68_STATUSCHG_OLDSTATUS	38	
HWIENF68_OBJEXCEPTION_T	30		HWIENF68_STATUSCHG_T	30	
HWIENF68_OPSSYSMSG_ALARMSG	30		HWIENF68_STOP_COMMAND	4	6
			HWIENF68_STRING_LENSTR		

HWICIASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HWIENF68_STRING_OFFSTR	4		HWISETTYPEVALUELENPTR	8	
HWIENF68_STRING_T	0		HWISETTYPEVALUEPTRPTR	10	
HWIENF68_TERMINATE_API	0		HWMSG_EVENTOBJNAME_LENSTR	C	
HWIENF68_TRUE	4	9	HWMSG_EVENTOBJNAME_OFFSTR	34	
HWIENF68_UNDO_CBU_COMMAND	0	1	HWMSG_EVENTOBJNAME_LENSTR	30	
HWIENF68_UNDO_OOCOD_COMMAND	4	F	HWMSG_IMAGELIST_LENSTR	50	
HWIENF68_UNKNOWN_COMMAND	4	18	HWMSG_IMAGELIST_OFFSTR	4C	
HWIENF68_VERS1	4	0	HWMSG_MSGTEXT_LENSTR	44	
HWIENF68_VERS2	4	1	HWMSG_MSGTEXT_OFFSTR	40	
HWIEVENTCONNECTTOKENPTR	4	2	HWMSG_MSGTIMESTAMP_LENSTR	3C	
HWIEVENTDIAGAREAPTR	4		HWMSG_MSGTIMESTAMP_OFFSTR	38	
HWIEVENTEVENTACTIONPTR	1C		HWMSGDEL_DELTIMESTAMP_LENSTR	3C	
HWIEVENTEVENTIDSPTR	8		HWMSGDEL_DELTIMESTAMP_OFFSTR	38	
HWIEVENTEXITADDRPTR	C		HWMSGDEL_EVENTOBJNAME_LENSTR	34	
HWIEVENTEXITMODEPTR	14		HWMSGDEL_EVENTOBJNAME_OFFSTR	30	
HWIEVENTEXITPARMPTR	10		HWMSGDEL_IMAGELIST_LENSTR	4C	
HWIEVENTPARMLIST	18		HWMSGDEL_IMAGELIST_OFFSTR	48	
HWIEVENTRETCODEPTR	0		HWMSGDEL_MSGTEXT_LENSTR	44	
HWILISTANSWERAREA_PTRPTR	0		HWMSGDEL_MSGTEXT_OFFSTR	40	
HWILISTANSWERAREALENPTR	10		MAX_CMDPARMVALUE_SIZE	144	148
HWILISTCONNECTTOKENPTR	14		MAX_EVENTDATA_SIZE	74	78
HWILISTDIAGAREAPTR	4		NAMECHG_NEWOBJNAME_LENSTR	3C	
HWILISTNUMOFDATAITEMSRETURNEDPTR	18		NAMECHG_NEWOBJNAME_OFFSTR	38	
HWILISTPARMLIST	C		NAMECHG_OLDOBJNAME_LENSTR	34	
HWILISTRETCODEPTR	0		NAMECHG_OLDOBJNAME_OFFSTR	30	
HWILISTTYPEPTR	0		OBJCREATE_EVENTOBJNAME_LENSTR	34	
HWIQUERYCONNECTTOKENPTR	8		OBJCREATE_EVENTOBJNAME_OFFSTR	30	
HWIQUERYDIAGAREAPTR	4		OBJDESTROY_EVENTOBJNAME_LENSTR	34	
HWIQUERYNUMOFATTRIBUTESPTR	10		OBJDESTROY_EVENTOBJNAME_OFFSTR	30	
HWIQUERYPARMLIST	C		OBJEXCEPTION_EVENTOBJNAME_LENSTR	34	
HWIQUERYPARMPTRPTR	0		OBJEXCEPTION_EVENTOBJNAME_OFFSTR	30	
HWIQUERYRETCODEPTR	8		OPSYMSMSG_EVENTOBJNAME_LENSTR	34	
HWISETCONNECTTOKENPTR	0		OPSYMSMSG_EVENTOBJNAME_OFFSTR	30	
HWISETDIAGAREAPTR	4		OPSYMSMSG_MSGDATE_LENSTR	30	
HWISETPARMLIST	14		OPSYMSMSG_MSGDATE_OFFSTR	4C	
HWISETRETCODEPTR	0		OPSYMSMSG_MSGDATE_LENSTR	48	
HWISETTYPEPTR	0		OPSYMSMSG_MSGID_LENSTR	44	
	0		OPSYMSMSG_MSGID_OFFSTR	40	
	0		OPSYMSMSG_MSGTEXT_LENSTR	40	

Name	Hex Offset	Hex Value
	3C	
OPSYMSG_MSGTEXT_OFFSTR	38	
OPSYMSG_MSGTIME_LENSTR	54	
OPSYMSG_MSGTIME_OFFSTR	50	
OPSYMSG_OPYSYNAME_LENSTR	64	
OPSYMSG_OPYSYNAME_OFFSTR	60	
OPSYMSG_PROMPTTEXT_LENSTR	5C	
OPSYMSG_PROMPTTEXT_OFFSTR	58	
SECURITYEVENT_EVENTOBJNAME_OFFLEN	34	
SECURITYEVENT_EVENTOBJNAME_OFFSTR	30	
SECURITYEVENT_LOGTEXT_LENSTR	44	
SECURITYEVENT_LOGTEXT_OFFSTR	40	
SECURITYEVENT_LOGTIMESTAMP_OFFLEN	3C	
SECURITYEVENT_LOGTIMESTAMP_OFFSTR	38	
SET_DATA	0	0
STATUSCHG_EVENTOBJNAME_LENSTR	34	
STATUSCHG_EVENTOBJNAME_OFFSTR	30	

HWIC2ASM Information

HWIC2ASM Programming Interface information

Programming Interface information

HWIC2ASM

End of Programming Interface information

HWIC2ASM Heading Information • HWIC2ASM Map

HWIC2ASM Heading Information

Common Name: Assembler Interface Definition File for the Base Control Program Internal Interface
Macro ID: HWIC2ASM
DSECT Name: n/a
Owning Component: BCPii (SCHWI)
Eye-Catcher ID: none
Storage Attributes:
Size: n/a
Created by: n/a
Pointed to by: n/a
Serialization: n/a
Function: HWIC2ASM defines BCPii Constants and declares for programs written in the Assembler language which are required for the HWMCA services.

HWIC2ASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	HWMCA_TRUE	"1"
0	(0)	X'0'	0	HWMCA_FALSE	"0"

Comment

Defines for the CPC Managed Object Degraded Indicator.
(Possible values for the BCPii HWI_DGRSTAT attribute)

End of Comment

....	....			HWMCA_NOT_DEGRADED	"X'0000"
....	...1			HWMCA_DEGRADED_MEM	"X'0001"
....	..1.			HWMCA_DEGRADED_MBA	"X'0002"
....	.1..			HWMCA_DEGRADED_NODE	"X'0004"
....	1...			HWMCA_DEGRADED_RING	"X'0008"
...1	....			HWMCA_DEGRADED_CBU	"X'0010"
..1.	....			HWMCA_DEGRADED_MRU	"X'0020"
.1..	....			HWMCA_DEGRADED_AMBIENT	"X'0040"
1...	....			HWMCA_DEGRADED_MRU_I ML	"X'0080"

Comment

Defines for the Hardware Management Console Status Values.
(Possible values for the BCPii HWI_OPERSTAT and HWI_ACCSTAT attributes, as well as the possible values returned on the BCPii STATUSCHG event)

End of Comment

....	...1			HWMCA_STATUS_OPERATING	"X'00000001"
....	..1.			HWMCA_STATUS_NOT_OPERATING	"X'00000002"
....	.1..			HWMCA_STATUS_NO_POWER	"X'00000004"
....	1...			HWMCA_STATUS_NOT_ACTIVATED	"X'00000008"
...1	....			HWMCA_STATUS_EXCEPTIONS	"X'00000010"
..1.	....			HWMCA_STATUS_STATUS_CHECK	"X'00000020"
.1..	....			HWMCA_STATUS_SERVICE	"X'00000040"
1...	....			HWMCA_STATUS_LINKNOTACTIVE	"X'00000080"
0	(0)	BITSTRING	0	HWMCA_STATUS_POWERSAVE	"X'0000100"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	0	HWMCA_STATUS_SERIOUSALERT	"X'00000200"
0	(0)	BITSTRING	0	HWMCA_STATUS_ALERT	"X'00000400"
0	(0)	BITSTRING	0	HWMCA_STATUS_ENVALERT	"X'00000800"
0	(0)	BITSTRING	0	HWMCA_STATUS_SERVICE_REQ	"X'00001000"
0	(0)	BITSTRING	0	HWMCA_STATUS_DEGRADED	"X'00002000"
		.... ..		HWMCA_STATUS_STORAGE_EXCEEDED	"X'01000000"
		.... ..		HWMCA_STATUS_LOGOFF_TIMEOUT	"X'02000000"
		.... ..		HWMCA_STATUS_FORCED_SLEEP	"X'04000000"
		.... ..		HWMCA_STATUS_IMAGE_NOT_OPERATING	"X'08000000"
		.... ..		HWMCA_STATUS_IMAGE_NOT_ACTIVATED	"X'10000000"
		.... ..		HWMCA_STATUS_IMAGE_NOT_CAPABLE	"X'20000000"
		.... ..		HWMCA_STATUS_UNKNOWN	"X'40000000"

Comment

Defines for the Hardware Management Console IML Mode Values.
(Possible values for the BCPii HWI_IMLMODE attribute)

End of Comment

0	(0)	X'1'	0	HWMCA_IML_ESA390_MODE	"1"
0	(0)	X'2'	0	HWMCA_IML_S370_MODE	"2"
0	(0)	X'6'	0	HWMCA_IML_FM_MODE	"6"
0	(0)	X'7'	0	HWMCA_IML_FMAE_MODE	"7"
0	(0)	X'8'	0	HWMCA_IML_HM_MODE	"8"
0	(0)	X'9'	0	HWMCA_IML_HMEA_MODE	"9"
0	(0)	X'A'	0	HWMCA_IML_HMEX_MODE	"10"
0	(0)	X'B'	0	HWMCA_IML_LPAR_MODE	"11"
0	(0)	X'C'	0	HWMCA_IML_ESA390TPF_MODE	"12"
0	(0)	X'D'	0	HWMCA_IML_CF_PROD_MODE	"13"
0	(0)	X'E'	0	HWMCA_IML_FMEX_MODE	"14"
0	(0)	X'F'	0	HWMCA_IML_HMAS_MODE	"15"
0	(0)	X'10'	0	HWMCA_IML_LINUXO_MODE	"16"
0	(0)	X'12'	0	HWMCA_IML_ZVM_MODE	"18"
0	(0)	X'13'	0	HWMCA_IML_ZAWARE_MODE	"19"

Comment

Defines for the Hardware Management Console IPL Type Values.
(Possible values for the BCPii HWI_IPL_TYPE attribute)

End of Comment

0	(0)	X'1'	0	HWMCA_IPLTYPE_STANDARD	"1"
0	(0)	X'2'	0	HWMCA_IPLTYPE_SCSI	"2"
0	(0)	X'3'	0	HWMCA_IPLTYPE_SCSIDUMP	

HWIC2ASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"3"
Comment					
Hardware Management Console Load Type Values. (Possible values for the BCPii HWI_APROF_LOADTYPE attribute)					
End of Comment					
0	(0)	X'0'	0	HWMCA_LOADTYPE_NORMAL	"0"
0	(0)	X'1'	0	HWMCA_LOADTYPE_CLEAR	"1"
Comment					
Defines for the Hardware Management Console Object Type Values. (Possible values for the BCPii HWI_OBJTYPE attribute and possible values returned as the "objectType" on the BCPii NAMECHG, OBJCREATE, OBJDESTROY and OBJEXCEPTION events)					
End of Comment					
0	(0)	X'1'	0	HWMCA_CPC_GROUP	"1"
0	(0)	X'2'	0	HWMCA_CPC_IMAGE_GROUP	"2"
0	(0)	X'3'	0	HWMCA_CPC_USER_GROUP	"3"
0	(0)	X'4'	0	HWMCA_CPC_IMAGE_USER_GROUP	"4"
0	(0)	X'5'	0	HWMCA_CPC_OBJECT	"5"
0	(0)	X'6'	0	HWMCA_CPC_IMAGE_OBJECT	"6"
0	(0)	X'7'	0	HWMCA_CF_OBJECT	"7"
0	(0)	X'8'	0	HWMCA_ACT_PROFILE_RESET	"8"
0	(0)	X'9'	0	HWMCA_ACT_PROFILE_IMAGE	"9"
0	(0)	X'A'	0	HWMCA_ACT_PROFILE_LOAD	"10"
0	(0)	X'B'	0	HWMCA_ACT_PROFILE_GROUP	"11"
0	(0)	X'C'	0	HWMCA_CAPACITY_RECORD	"12"
0	(0)	X'D'	0	HWMCA_VM_GROUP	"13"
0	(0)	X'E'	0	HWMCA_VM_OBJECT	"14"
0	(0)	X'F'	0	HWMCA_ZBX_GROUP	"15"
0	(0)	X'10'	0	HWMCA_ZBX_OBJECT	"16"
0	(0)	X'11'	0	HWMCA_ZBX_CHASSIS_OBJECT	"17"
Comment					
Defines for the Hardware Management Console Shutdown/Restart Types. (Possible values returned for the "shutdowntype" in a BCPii APPLNDED event.)					
End of Comment					
0	(0)	X'1'	0	HWMCA_RESTART_APPLICATION	"1"
0	(0)	X'2'	0	HWMCA_RESTART_CONSOLE	"2"
0	(0)	X'3'	0	HWMCA_SHUTDOWN_CONSOLE	"3"
0	(0)	X'4'	0	HWMCA_RESTART_APPLICATION_ALTERNATE	"4"
0	(0)	X'5'	0	HWMCA_RESTART_CONSOLE_ALTERNATE	"5"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'6'	0	HWMCA_SHUTDOWN_CONSOLE_ALTERNATE	"6"

Comment

Defines for the Hardware Management Console Ended Event Reasons.
(Possible values returned for the "reason" in the BCPii APPLIEDDED event.)

End of Comment					
0	(0)	X'1'	0	HWMCA_ENDED_USER	"1"
0	(0)	X'2'	0	HWMCA_ENDED_AUTOMATION	"2"
0	(0)	X'3'	0	HWMCA_ENDED_OTHER	"3"

Comment

Defines for the Hardware Management Console Processor Running Time types.
(Possible values for the BCPii HWL_PRUNTYPE attribute)

End of Comment					
0	(0)	X'0'	0	HWMCA_DETERMINED_SYSTEM	"0"
0	(0)	X'1'	0	HWMCA_DETERMINED_USER	"1"

Comment

Defines for the type of capacity record.
(Possible values for the BCPii HWL_RECTYPE attribute)

End of Comment					
0	(0)	X'1'	0	HWMCA_CAPACITY_RECORD_TYPE_CBU	"1"
0	(0)	X'2'	0	HWMCA_CAPACITY_RECORD_TYPE_OOCOD	"2"
0	(0)	X'3'	0	HWMCA_CAPACITY_RECORD_TYPE_PLANNED_EVENT	"3"
0	(0)	X'4'	0	HWMCA_CAPACITY_RECORD_TYPE_LOANER	"4"

Comment

Defines for the activation status of a capacity record.
(Possible values for the BCPii HWL_ACTSTAT attribute)

End of Comment					
0	(0)	X'1'	0		"1"
0	(0)	X'2'	0	HWMCA_CAPACITY_RECORD_STATUS_REAL	"2"
0	(0)	X'3'	0	HWMCA_CAPACITY_RECORD_STATUS_TEST	"3"
0	(0)	X'4'	0		"4"

Comment

Defines for the type of capacity record change event.
(Possible values returned for the "capChange" in the BCPii CAPACITYCHG event.)

End of Comment					
0	(0)	X'0'	0	HWMCA_CAPACITY_FENCED_BOOK	"0"
0	(0)	X'1'	0	HWMCA_CAPACITY_DEFECTIVE_PROCESSOR	"1"
0	(0)	X'2'	0	HWMCA_CAPACITY_CONCURRENT_BOOK_REPLACE	"2"
0	(0)	X'3'	0	HWMCA_CAPACITY_CONCURRENT_BOOK_ADD	"3"
0	(0)	X'4'	0	HWMCA_CAPACITY_CHECK_STOP	"4"

HWIC2ASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'5'	0	HWMCA_CAPACITY_CHANGES_ALLOWED	"4"
0	(0)	X'6'	0	HWMCA_CAPACITY_CHANGES_NOT_ALLOWED	"5" "6"

Comment

Defines for the type of change for capacity record event.
(Possible values returned for the "capRecChange" in the BCPii CAPACITYCHG event.)

End of Comment

0	(0)	X'0'	0	HWMCA_CAPACITY_RECORD_ADD	"0"
0	(0)	X'1'	0	HWMCA_CAPACITY_RECORD_DELTA	"1"
0	(0)	X'2'	0	HWMCA_CAPACITY_RECORD_DELETE	"2"
0	(0)	X'3'	0	HWMCA_CAPACITY_RECORD_ACCOUNTING	"3"
0	(0)	X'4'	0	HWMCA_CAPACITY_ACTIVATION_LEVEL	"4"
0	(0)	X'5'	0	HWMCA_CAPACITY_PRIORITY_PENDING	"5"
0	(0)	X'6'	0	HWMCA_CAPACITY_RECORD_OTHER	"6"

Comment

Defines for the operating mode of an image activation profile.
(Possible values for the BCPii HWI_OPERATING_MODE attribute.)

End of Comment

0	(0)	X'1'	0	HWMCA_ESA390_OPERATING_MODE	"1"
0	(0)	X'2'	0	HWMCA_ESA390TPF_OPERATING_MODE	"2"
0	(0)	X'3'	0	HWMCA_CF_OPERATING_MODE	"3"
0	(0)	X'4'	0	HWMCA_LINUX_OPERATING_MODE	"4"
0	(0)	X'5'	0	HWMCA_FMEX_OPERATING_MODE	"5"
0	(0)	X'6'	0	HWMCA_HMEX_OPERATING_MODE	"6"
0	(0)	X'7'	0	HWMCA_HMAS_OPERATING_MODE	"7"
0	(0)	X'8'	0	HWMCA_ZVM_OPERATING_MODE	"8"
0	(0)	X'9'	0	HWMCA_ZAWARE_OPERATING_MODE	"9"

Comment

Defines for the clock type of an image activation profile.
(Possible values for the BCPii HWI_CLOCK_TYPE attribute.)

End of Comment

0	(0)	X'0'	0	HWMCA_CLOCK_TYPE_STANDARD	"0"
0	(0)	X'1'	0	HWMCA_CLOCK_TYPE_LPAR	"1"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>Defines for the Hardware Management Console Data Exchange Return Code Values. If a HWI_COMMUNICATION_ERROR ('101x) return code is returned on the HWICONN, HWIDISC, HWIEVENT, HWILIST, HWIQUERY or HWISET service, the DiagArea output parameter will contain a 32-bit integer value called Diag_CommErr which identifies the problem. This return code can either be from the underlying System z APIs or from the BCPII transport layer. See the z/OS MVS Callable Services for HLL publication, Appendix A, for further explanation of these return codes. The possible return codes from the System z APIs are listed below.</p>					
End of Comment					
0	(0)	X'0'	0	HWMCA_DE_NO_ERROR	"0"
0	(0)	X'1'	0	HWMCA_DE_NO_SUCH_OBJECT	"1"
0	(0)	X'2'	0	HWMCA_DE_INVALID_DATA_TYPE	"2"
0	(0)	X'3'	0	HWMCA_DE_INVALID_DATA_LENGTH	"3"
0	(0)	X'4'	0	HWMCA_DE_INVALID_DATA_PTR	"4"
0	(0)	X'5'	0	HWMCA_DE_INVALID_DATA_VALUE	"5"
0	(0)	X'6'	0	HWMCA_DE_INVALID_INIT_PTR	"6"
0	(0)	X'7'	0	HWMCA_DE_INVALID_ID_PTR	"7"
0	(0)	X'8'	0	HWMCA_DE_INVALID_BUF_PTR	"8"
0	(0)	X'9'	0	HWMCA_DE_INVALID_BUF_SIZE	"9"
0	(0)	X'A'	0	HWMCA_DE_INVALID_DATATYPE_PTR	"10"
0	(0)	X'B'	0	HWMCA_DE_INVALID_TARGET	"11"
0	(0)	X'C'	0	HWMCA_DE_INVALID_EVENT_MASK	"12"
0	(0)	X'D'	0	HWMCA_DE_INVALID_PARAMETER	"13"
0	(0)	X'E'	0	HWMCA_DE_READ_ONLY_OBJECT	"14"
0	(0)	X'F'	0	HWMCA_DE_SNMP_INIT_ERROR	"15"
0	(0)	X'10'	0	HWMCA_DE_INVALID_OBJECT_ID	"16"
0	(0)	X'11'	0	HWMCA_DE_REQUEST_ALLOC_ERROR	"17"
0	(0)	X'12'	0	HWMCA_DE_REQUEST_SEND_ERROR	"18"
0	(0)	X'13'	0	HWMCA_DE_TIMEOUT	"19"
0	(0)	X'14'	0	HWMCA_DE_REQUEST_RECV_ERROR	"20"
0	(0)	X'15'	0	HWMCA_DE_SNMP_ERROR	"21"
0	(0)	X'16'	0	HWMCA_DE_INVALID_TIMEOUT	"22"
0	(0)	X'18'	0	HWMCA_DE_OBJECT_BUSY	"24"
0	(0)	X'1C'	0	HWMCA_DE_INVALID_HOST	"28"
0	(0)	X'1D'	0	HWMCA_DE_INVALID_COMMUNITY	"29"
0	(0)	X'1E'	0	HWMCA_DE_INVALID_QUALIFIER	"30"
0	(0)	X'61'	0	HWMCA_DE_INVALID_STACKNAME	"97"
0	(0)	X'62'	0	HWMCA_DE_REQUIRES_QUALIFIER	"98"
0	(0)	X'63'	0	HWMCA_DE_TRANSPORT_ERROR	

HWIC2ASM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"99"
Comment					
<p>Defines for the Hardware Management Console Command Return Code Values. If a HWI_COMMUNICATION_ERROR ('101'x) return code is returned on the HWICMD service, the DiagArea output parameter will contain a 32-bit integer value called Diag_CommErr which identifies the problem. This return code can either be from the underlying System z APIs or from the BCPII transport layer. See the z/OS MVS Callable Services for HLL publication, Appendix A, for further explanation of these return codes. The possible return codes from the System z APIs are listed below.</p>					
End of Comment					
0	(0)	X'0'	0	HWMCA_CMD_NO_ERROR	"0"
0	(0)	X'1'	0	HWMCA_CMD_NO_SUCH_OBJECT	"1"
0	(0)	X'2'	0	HWMCA_CMD_INVALID_DATA_TYPE	"2"
0	(0)	X'3'	0	HWMCA_CMD_INVALID_DATA_LENGTH	"3"
0	(0)	X'4'	0	HWMCA_CMD_INVALID_DATA_PTR	"4"
0	(0)	X'5'	0	HWMCA_CMD_INVALID_DATA_VALUE	"5"
0	(0)	X'6'	0	HWMCA_CMD_INVALID_INIT_PTR	"6"
0	(0)	X'7'	0	HWMCA_CMD_INVALID_ID_PTR	"7"
0	(0)	X'A'	0	HWMCA_CMD_INVALID_DATATYPE_PTR	"10"
0	(0)	X'D'	0	HWMCA_CMD_INVALID_PARAMETER	"13"
0	(0)	X'11'	0	HWMCA_CMD_REQUEST_ALLOC_ERROR	"17"
0	(0)	X'12'	0	HWMCA_CMD_REQUEST_SEND_ERROR	"18"
0	(0)	X'13'	0	HWMCA_CMD_TIMEOUT	"19"
0	(0)	X'14'	0	HWMCA_CMD_REQUEST_RECV_ERROR	"20"
0	(0)	X'15'	0	HWMCA_CMD_SNMP_ERROR	"21"
0	(0)	X'16'	0	HWMCA_CMD_INVALID_TIMEOUT	"22"
0	(0)	X'17'	0	HWMCA_CMD_INVALID_CMD	"23"
0	(0)	X'18'	0	HWMCA_CMD_OBJECT_BUSY	"24"
0	(0)	X'19'	0	HWMCA_CMD_INVALID_OBJECT	"25"
0	(0)	X'1A'	0	HWMCA_CMD_COMMAND_FAILED	"26"
0	(0)	X'1B'	0	HWMCA_CMD_INITTERM_OK	"27"
0	(0)	X'1C'	0	HWMCA_CMD_CBU_DISRUPTIVE_OK	"28"
0	(0)	X'1D'	0	HWMCA_CMD_CBU_PARTIAL_HW	"29"
0	(0)	X'1E'	0	HWMCA_CMD_CBU_NO_SPARES	"30"
0	(0)	X'1F'	0	HWMCA_CMD_CBU_TEMPORARY	"31"
0	(0)	X'20'	0	HWMCA_CMD_CBU_NOT_ENABLED	"32"
0	(0)	X'21'	0	HWMCA_CMD_CBU_NOT_AUTHORIZED	"33"
0	(0)	X'22'	0	HWMCA_CMD_CBU_FAILED	"34"
0	(0)	X'23'	0	HWMCA_CMD_CBU_ALREADY_ACTIVE	"35"
0	(0)	X'24'	0	HWMCA_CMD_CBU_INPROGRESS	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'25'	0	HWMCA_CMD_CBU_CPSAP_SPLIT_CHG	"36"
0	(0)	X'26'	0	HWMCA_CMD_INVALID_MACHINE_STATE	"37"
0	(0)	X'27'	0	HWMCA_CMD_NO_RECORDID	"38"
0	(0)	X'28'	0	HWMCA_CMD_NO_SW_MODEL	"39"
0	(0)	X'29'	0	HWMCA_CMD_NOT_ENOUGH_RESOURCES	"40"
0	(0)	X'2A'	0	HWMCA_CMD_NOT_ENOUGH_ACTIVE_RESOURCES	"41"
0	(0)	X'2B'	0	HWMCA_CMD_ACT_LESS_RESOURCES	"42"
0	(0)	X'2C'	0	HWMCA_CMD_DEACT_MORE_RESOURCES	"43"
0	(0)	X'2D'	0	HWMCA_CMD_ACT_TYPE_MISMATCH	"44"
0	(0)	X'2E'	0	HWMCA_CMD_API_NOT_ALLOWED	"45"
0	(0)	X'2F'	0	HWMCA_CMD_CDU_IN_PROGRESS	"46"
0	(0)	X'30'	0	HWMCA_CMD_MIRRORING_RUNNING	"47"
0	(0)	X'31'	0	HWMCA_CMD_COMMUNICATIONS_NOT_ACTIVE	"48"
0	(0)	X'32'	0	HWMCA_CMD_RECORD_EXPIRED	"49"
0	(0)	X'33'	0	HWMCA_CMD_PARTIAL_CAPACITY	"50"
0	(0)	X'34'	0	HWMCA_CMD_INVALID_REQUEST	"51"
0	(0)	X'35'	0	HWMCA_CMD_ALREADY_ACTIVE	"52"
0	(0)	X'36'	0	HWMCA_CMD_RESERVE_HELD	"53"
0	(0)	X'37'	0	HWMCA_CMD_GENERAL_XML_PARSING_ERROR	"54"
0	(0)	X'38'	0	HWMCA_CMD_STP_NOT_ENABLED	"55"
0	(0)	X'39'	0	HWMCA_CMD_STP_MUST_TARGET_CTS	"56"
0	(0)	X'3A'	0	HWMCA_CMD_STP_INV_CONFIG_SPECIFIED	"57"
0	(0)	X'3B'	0	HWMCA_CMD_STP_WRONG_CTN	"58"
0	(0)	X'3C'	0	HWMCA_CMD_STP_NOT_VALID_FOR_CTS	"59"
0	(0)	X'3D'	0	HWMCA_CMD_STP_IN_ETR_MIGRATION	"60"
0	(0)	X'3E'	0	HWMCA_CMD_STP_NODE_NOT_FND_IN_SYSLST	"61"
0	(0)	X'3F'	0	HWMCA_CMD_STP_CTNID_TAG_ERROR	"62"
0	(0)	X'40'	0	HWMCA_CMD_STP_NODE_TAG_ERROR	"63"
0	(0)	X'41'	0	HWMCA_CMD_STP_CONFIG_TAG_NOT_FOUND	"64"
0	(0)	X'42'	0	HWMCA_CMD_STP_ACTIVE_CTS_TAG_ERROR	"65"
0	(0)	X'43'	0	HWMCA_CMD_STP_INITIALIZE_INCOMPLETE	"66"
0	(0)	X'44'	0	HWMCA_CMD_STP_INVALID_STP_ID	"67"
0	(0)	X'45'	0	HWMCA_CMD_STP_LINKS_ERROR	"68"
0	(0)	X'46'	0	HWMCA_CMD_STP_REQS_FORCE_TO_CONFIG	"69"
0	(0)	X'47'	0	HWMCA_CMD_PROC_PWR_MODE_NOT_ENTITLED	"70"
0	(0)	X'48'	0	HWMCA_CMD_PROC_PWR_MODE_NOT_ALLOWED	"71"
0	(0)	X'49'	0	HWMCA_CMD_PROC_PWR_MODE_GRP_CNTRLLED	"72"

HWIC2ASM Cross Reference

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

"73"

HWIC2ASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HWMCA_ACT_PROFILE_GROUP	0	B	HWMCA_CMD_CBU_CPSAP_SPLIT_CHG	0	23
HWMCA_ACT_PROFILE_IMAGE	0	9	HWMCA_CMD_CBU_DISRUPTIVE_OK	0	25
HWMCA_ACT_PROFILE_LOAD	0	A	HWMCA_CMD_CBU_FAILED	0	1C
HWMCA_ACT_PROFILE_RESET	0	8	HWMCA_CMD_CBU_INPROGRESS	0	22
HWMCA_CAPACITY_ACTIVATION_LEVEL	0	4	HWMCA_CMD_CBU_NO_SPARES	0	24
HWMCA_CAPACITY_CHANGES_ALLOWED	0	5	HWMCA_CMD_CBU_NOT_AUTHORIZED	0	1E
HWMCA_CAPACITY_CHANGES_NOT_ALLOWED	0	6	HWMCA_CMD_CBU_NOT_ENABLED	0	21
HWMCA_CAPACITY_CHECK_STOP	0	4	HWMCA_CMD_CBU_PARTIAL_HW	0	20
HWMCA_CAPACITY_CONCURRENT_BOOK_ADD	0	3	HWMCA_CMD_CBU_TEMPORARY	0	1D
HWMCA_CAPACITY_CONCURRENT_BOOK_REPLACE	0	2	HWMCA_CMD_CDU_IN_PROGRESS	0	1F
HWMCA_CAPACITY_DEFECTIVE_PROCESSOR	0	1	HWMCA_CMD_COMMAND_FAILED	0	2F
HWMCA_CAPACITY_FENCED_BOOK	0	0	HWMCA_CMD_COMMUNICATIONS_NOT_ACTIVE	0	1A
HWMCA_CAPACITY_PRIORITY_PENDING	0	5	HWMCA_CMD_DEACT_MORE_RESOURCES	0	31
HWMCA_CAPACITY_RECORD	0	C	HWMCA_CMD_GENERAL_XML_PARSING_ERROR	0	2C
HWMCA_CAPACITY_RECORD_ACCOUNTING	0	3	HWMCA_CMD_INITTERM_OK	0	37
HWMCA_CAPACITY_RECORD_ADD	0	0	HWMCA_CMD_INVALID_CMD	0	1B
HWMCA_CAPACITY_RECORD_DELETE	0	2	HWMCA_CMD_INVALID_DATA_LENGTH	0	17
HWMCA_CAPACITY_RECORD_DELTA	0	1	HWMCA_CMD_INVALID_DATA_PTR	0	3
HWMCA_CAPACITY_RECORD_OTHER	0	6	HWMCA_CMD_INVALID_DATA_TYPE	0	4
HWMCA_CAPACITY_RECORD_STATUS_REAL	0	2	HWMCA_CMD_INVALID_DATA_VALUE	0	2
HWMCA_CAPACITY_RECORD_STATUS_TEST	0	3	HWMCA_CMD_INVALID_DATATYPE_PTR	0	5
HWMCA_CAPACITY_RECORD_TYPE_CBU	0	1	HWMCA_CMD_INVALID_ID_PTR	0	A
HWMCA_CAPACITY_RECORD_TYPE_LOANER	0	4	HWMCA_CMD_INVALID_INIT_PTR	0	7
HWMCA_CAPACITY_RECORD_TYPE_OOCOD	0	2	HWMCA_CMD_INVALID_MACHINE_STATE	0	6
HWMCA_CAPACITY_RECORD_TYPE_PLANNED_EVENT	0	3	HWMCA_CMD_INVALID_OBJECT	0	26
HWMCA_CF_OBJECT	0	7	HWMCA_CMD_INVALID_PARAMETER	0	19
HWMCA_CF_OPERATING_MODE	0	3	HWMCA_CMD_INVALID_REQUEST	0	D
HWMCA_CLOCK_TYPE_LPAR	0	1	HWMCA_CMD_INVALID_TIMEOUT	0	34
HWMCA_CLOCK_TYPE_STANDARD	0	0	HWMCA_CMD_MIRRORING_RUNNING	0	16
HWMCA_CMD_ACT_LESS_RESOURCES	0	2B	HWMCA_CMD_NO_ERROR	0	30
HWMCA_CMD_ACT_TYPE_MISMATCH	0	2D	HWMCA_CMD_NO_RECORDID	0	0
HWMCA_CMD_ALREADY_ACTIVE	0	35	HWMCA_CMD_NO_SUCH_OBJECT	0	27
HWMCA_CMD_API_NOT_ALLOWED	0	2E	HWMCA_CMD_NO_SW_MODEL	0	1
HWMCA_CMD_CBU_ALREADY_ACTIVE				0	28

Name	Hex Offset	Hex Value
HWMCA_CMD_NOT_ENOUGH_ACTIVE_RESOURCES	0	2A
HWMCA_CMD_NOT_ENOUGH_RESOURCES	0	29
HWMCA_CMD_OBJECT_BUSY	0	18
HWMCA_CMD_PARTIAL_CAPACITY	0	33
HWMCA_CMD_PROC_PWR_MODE_GRP_CNTRLLED	0	49
HWMCA_CMD_PROC_PWR_MODE_NOT_ALLOWED	0	48
HWMCA_CMD_PROC_PWR_MODE_NOT_ENTITLED	0	47
HWMCA_CMD_RECORD_EXPIRED	0	32
HWMCA_CMD_REQUEST_ALLOC_ERROR	0	11
HWMCA_CMD_REQUEST_RECV_ERROR	0	14
HWMCA_CMD_REQUEST_SEND_ERROR	0	12
HWMCA_CMD_RESERVE_HELD	0	36
HWMCA_CMD_SNMP_ERROR	0	15
HWMCA_CMD_STP_ACTIVE_CTS_TAG_ERROR	0	42
HWMCA_CMD_STP_CONFIG_TAG_NOT_FOUND	0	41
HWMCA_CMD_STP_CTNDID_TAG_ERROR	0	3F
HWMCA_CMD_STP_IN_ETR_MIGRATION	0	3D
HWMCA_CMD_STP_INITIALIZE_INCOMPLETE	0	43
HWMCA_CMD_STP_INV_CONFIG_SPECIFIED	0	3A
HWMCA_CMD_STP_INVALID_STP_ID	0	44
HWMCA_CMD_STP_LINKS_ERROR	0	45
HWMCA_CMD_STP_MUST_TARGET_CTS	0	39
HWMCA_CMD_STP_NODE_NOT_FND_IN_SYSLST	0	3E
HWMCA_CMD_STP_NODE_TAG_ERROR	0	40
HWMCA_CMD_STP_NOT_ENABLED	0	38
HWMCA_CMD_STP_NOT_VALID_FOR_CTS	0	3C
HWMCA_CMD_STP_REQS_FORCE_TO_CONFIG	0	46
HWMCA_CMD_STP_WRONG_CTN	0	3B
HWMCA_CMD_TIMEOUT	0	13
HWMCA_CPC_GROUP	0	1
HWMCA_CPC_IMAGE_GROUP	0	2
HWMCA_CPC_IMAGE_OBJECT	0	6
HWMCA_CPC_IMAGE_USER_GROUP	0	4
HWMCA_CPC_OBJECT	0	5
HWMCA_CPC_USER_GROUP	0	3
HWMCA_DE_INVALID_BUF_PTR	0	8
HWMCA_DE_INVALID_BUF_SIZE	0	9

Name	Hex Offset	Hex Value
HWMCA_DE_INVALID_COMMUNITY	0	1D
HWMCA_DE_INVALID_DATA_LENGTH	0	3
HWMCA_DE_INVALID_DATA_PTR	0	4
HWMCA_DE_INVALID_DATA_TYPE	0	2
HWMCA_DE_INVALID_DATA_VALUE	0	5
HWMCA_DE_INVALID_DATATYPE_PTR	0	A
HWMCA_DE_INVALID_EVENT_MASK	0	C
HWMCA_DE_INVALID_HOST	0	1C
HWMCA_DE_INVALID_ID_PTR	0	7
HWMCA_DE_INVALID_INIT_PTR	0	6
HWMCA_DE_INVALID_OBJECT_ID	0	10
HWMCA_DE_INVALID_PARAMETER	0	D
HWMCA_DE_INVALID_QUALIFIER	0	1E
HWMCA_DE_INVALID_STACKNAME	0	61
HWMCA_DE_INVALID_TARGET	0	B
HWMCA_DE_INVALID_TIMEOUT	0	16
HWMCA_DE_NO_ERROR	0	0
HWMCA_DE_NO_SUCH_OBJECT	0	1
HWMCA_DE_OBJECT_BUSY	0	18
HWMCA_DE_READ_ONLY_OBJECT	0	E
HWMCA_DE_REQUEST_ALLOC_ERROR	0	11
HWMCA_DE_REQUEST_RECV_ERROR	0	14
HWMCA_DE_REQUEST_SEND_ERROR	0	12
HWMCA_DE_REQUIRES_QUALIFIER	0	62
HWMCA_DE_SNMP_ERROR	0	15
HWMCA_DE_SNMP_INIT_ERROR	0	F
HWMCA_DE_TIMEOUT	0	13
HWMCA_DE_TRANSPORT_ERROR	0	63
HWMCA_DEGRADED_AMBIENT	0	40
HWMCA_DEGRADED_CBU	0	10
HWMCA_DEGRADED_MBA	0	2
HWMCA_DEGRADED_MEM	0	1
HWMCA_DEGRADED_MRU	0	20
HWMCA_DEGRADED_MRU_IML	0	80
HWMCA_DEGRADED_NODE	0	4
HWMCA_DEGRADED_RING	0	8
HWMCA_DETERMINED_SYSTEM	0	0

HWIC2ASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HWMCA_DETERMINED_USER	0	1	HWMCA_STATUS_ALERT	0	6
HWMCA_ENDED_AUTOMATION	0	2	HWMCA_STATUS_DEGRADED	0	400
HWMCA_ENDED_OTHER	0	3	HWMCA_STATUS_DEGRADED	0	2000
HWMCA_ENDED_USER	0	1	HWMCA_STATUS_ENVALERT	0	800
HWMCA_ESA390_OPERATING_MODE	0	1	HWMCA_STATUS_EXCEPTIONS	0	10
HWMCA_ESA390TPF_OPERATING_MODE	0	2	HWMCA_STATUS_FORCED_SLEEP	0	0
HWMCA_FALSE	0	0	HWMCA_STATUS_IMAGE_NOT_ACTIVATED	0	0
HWMCA_FMEX_OPERATING_MODE	0	5	HWMCA_STATUS_IMAGE_NOT_CAPABLE	0	0
HWMCA_HMAS_OPERATING_MODE	0	7	HWMCA_STATUS_IMAGE_NOT_OPERATING	0	0
HWMCA_HMEX_OPERATING_MODE	0	6	HWMCA_STATUS_LINKNOTACTIVE	0	80
HWMCA_IML_CF_PROD_MODE	0	D	HWMCA_STATUS_LOGOFF_TIMEOUT	0	0
HWMCA_IML_ESA390_MODE	0	1	HWMCA_STATUS_NO_POWER	0	4
HWMCA_IML_ESA390TPF_MODE	0	C	HWMCA_STATUS_NOT_ACTIVATED	0	8
HWMCA_IML_FM_MODE	0	6	HWMCA_STATUS_NOT_OPERATING	0	2
HWMCA_IML_FMAE_MODE	0	7	HWMCA_STATUS_OPERATING	0	1
HWMCA_IML_FMEX_MODE	0	E	HWMCA_STATUS_POWERSAVE	0	100
HWMCA_IML_HM_MODE	0	8	HWMCA_STATUS_SERIOUSALERT	0	200
HWMCA_IML_HMAS_MODE	0	F	HWMCA_STATUS_SERVICE	0	40
HWMCA_IML_HMEA_MODE	0	9	HWMCA_STATUS_SERVICE_REQ	0	1000
HWMCA_IML_HMEX_MODE	0	A	HWMCA_STATUS_STATUS_CHECK	0	20
HWMCA_IML_LINUX_MODE	0	10	HWMCA_STATUS_STORAGE_EXCEEDED	0	0
HWMCA_IML_LPAR_MODE	0	B	HWMCA_STATUS_UNKNOWN	0	0
HWMCA_IML_S370_MODE	0	2	HWMCA_TRUE	0	1
HWMCA_IML_ZAWARE_MODE	0	13	HWMCA_VM_GROUP	0	D
HWMCA_IML_ZVM_MODE	0	12	HWMCA_VM_OBJECT	0	E
HWMCA_IPLTYPE_SCSI	0	2	HWMCA_ZAWARE_OPERATING_MODE	0	9
HWMCA_IPLTYPE_SCSIDUMP	0	3	HWMCA_ZBX_CHASSIS_OBJECT	0	11
HWMCA_IPLTYPE_STANDARD	0	1	HWMCA_ZBX_GROUP	0	F
HWMCA_LINUX_OPERATING_MODE	0	4	HWMCA_ZBX_OBJECT	0	10
HWMCA_LOADTYPE_CLEAR	0	1	HWMCA_ZVM_OPERATING_MODE	0	8
HWMCA_LOADTYPE_NORMAL	0	0			
HWMCA_NOT_DEGRADED	0	0			
HWMCA_RESTART_APPLICATION	0	1			
HWMCA_RESTART_APPLICATION_ALTERNATE	0	4			
HWMCA_RESTART_CONSOLE	0	2			
HWMCA_RESTART_CONSOLE_ALTERNATE	0	5			
HWMCA_SHUTDOWN_CONSOLE	0	3			
HWMCA_SHUTDOWN_CONSOLE_ALTERNATE					

HZSDPQE Information

HZSDPQE Programming Interface information

Programming Interface information

HZSDPQE

End of Programming Interface information

HZSDPQE Heading Information • HZSDPQE Map

HZSDPQE Heading Information

Common Name: Deleted Process Queue Element
Macro ID: HZSDPQE
DSECT Name: HZSDPQE DPQE_LASTUPDATEDBY_TYPE
Owning Component: IBM Health Checker for z/OS (SCHZS)
Eye-Catcher ID: DPQE
 Offset: 0
 Length: 4
Storage Attributes: Subpool: user-supplied
 Key: user-supplied
 Residency: user-supplied
Size: HZSDPQE -- X'0400' bytes
 DPQE_LASTUPDATEDBY_TYPE -- X'0010' bytes
Created by: A DPQE is created within a user-supplied area by HZSQUERY processing when returning data about a deleted check
Pointed to by: None. Contained within HZSQUAAC DSECT.
Serialization: None required
Function: Map data about a check that has been deleted

HZSDPQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSDPQE	Deleted Process Queue Element
0	(0)	CHARACTER	4	DPQE_ID	Eye catcher: 'DPQE'
4	(4)	SIGNED	2	DPQE_VERSION	Version - 0 (Incompatible DPQE mappings will result in new version numbers.)
6	(6)	CHARACTER	2		Reserved
8	(8)	CHARACTER	8	DPQE_RESERVED1	
					RESERVED FOR IBM PROPRIETARY PROGRAMMING SUPPORT
16	(10)	BITSTRING	4	DPQE_FLAGS	Misc flags
16	(10)	BITSTRING	1	DPQE_FLAGSB1	Byte 1
Comment					
Bit definitions:					
End of Comment					
		1... ..		DPQE_AVAILABLE	
					"X'80" =1: DPQE is available for reuse (Entry is unused, or Check was added back
17	(11)	BITSTRING	1	DPQE_FLAGSB2	Byte 2
Comment					
Bit definitions:					
End of Comment					
		1... ..		DPQE_REMOTE	"X'80" This is a REMOTE check
		.1.. ..		DPQE_REXX	"X'40"
18	(12)	BITSTRING	1	DPQE_FLAGSB3	Byte 3
18	(12)	BITSTRING	1		Reserved for future use
19	(13)	BITSTRING	1	DPQE_FLAGSB4	Byte 4
Comment					
Bit definitions:					
End of Comment					
		1... ..		DPQE_GLOBAL_CHECK	
					"X'80" Check was global
20	(14)	CHARACTER	4		Reserved
24	(18)	BITSTRING	16	DPQE_EXTENDED_TOD	
					Place holder for extended tod
24	(18)	BITSTRING	1		Wrap word
25	(19)	BITSTRING	8	DPQE_TOD	TOD: When check was deleted
25	(19)	BITSTRING	4	DPQE_TOD_HIGH	
					High order word of TOD
29	(1D)	BITSTRING	4	DPQE_TOD_LOW	Low order word of TOD
33	(21)	BITSTRING	7		macro word
40	(28)	CHARACTER	48	DPQE_CHECKOWNERNAME	
40	(28)	CHARACTER	16	DPQE_CHECKOWNER	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Owning company and/or component					
End of Comment					
56	(38)	CHARACTER	32	DPQE_CHECKNAME	Check name
88	(58)	CHARACTER	8	DPQE_CHECKEXITRTN	Exit ModName that added this check
96	(60)	CHARACTER	16	DPQE_LASTUPDATEDBY_AREA	Either policy statement name or 'HZSCHECK' || jobname (HZSCHECK macro) or 'COMMAND' (modify command) or 'PARMLIB' (a statement in a parmlib member). This is mapped by the DPqe_LastUpdatedBy_Type DSECT Reserved for future use
112	(70)	CHARACTER	16	DPQE_CATEGORYAREA	Number of categories associated with this check. The "n" categories occupy the first "n" slots in the DPQE_CategoryArray.
128	(80)	CHARACTER	260		
128	(80)	SIGNED	4	DPQE_NUMCATEGORIESDEFINED	
132	(84)	CHARACTER	16	DPQE_CATEGORYARRAY	array of categories associated with this check. There are DPQE_MaxCategoryEntries contiguous entries in the array. Each array entry consists of a 16-byte category and one byte of flags.
132	(84)	CHARACTER	16	DPQE_CATEGORY	Category name
388	(184)	CHARACTER	12	DPQE_RESERVED2	RESERVED FOR IBM PROPRIETARY PROGRAMMING SUPPORT
400	(190)	CHARACTER	136		
536	(218)	CHARACTER	64	DPQE_TEXT_STRINGS	Text strings that can be used for display. Valid only as output from HZSQUERY when TEXTSTRING=YES
536	(218)	CHARACTER	24	DPQE_TEXT_STRING_MODIFIEDBY	For example, STMT(pppppppppppppppp). Valid only as output from HZSQUERY when TEXTSTRING=YES

Comment					
DPQE and check-related constants					

End of Comment					
536	(218)	X'D7D8C5'	0	CDPQE_ACRONYM	"C'DPQE" Eye catcher for DPQE
536	(218)	X'0'	0	CDPQE_VERSION	"0" Version number for DPQE
536	(218)	X'10'	0	DPQE_MAXCATEGORYENTRIES	"16"
1024	(400)	X'400'	0	HZSDPQE_LEN	"-HZSDPQE"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	DPQE_LASTUPDATEDBY_TYPE	
0	(0)	CHARACTER	16	DPQE_LASTUPDATEDBY_TYPE_UNION	
0	(0)	CHARACTER	16	DPQE_LASTUPDATEDBY_HZSCHECK_STRUCTURE	
0	(0)	CHARACTER	16		
0	(0)	CHARACTER	8	DPQE_LASTUPDATEDBY_HZSCHECK_HEADER	
8	(8)	CHARACTER	8	DPQE_LASTUPDATEDBY_HZSCHECK_JOBNAME	
0	(0)	CHARACTER	16	DPQE_LASTUPDATEDBY_PARMLIB_STRUCTURE	
0	(0)	CHARACTER	8	DPQE_LASTUPDATEDBY_PARMLIB_HEADER	
8	(8)	CHARACTER	8	DPQE_LASTUPDATEDBY_PARMLIB_HZSPRMXX	
0	(0)	CHARACTER	8	DPQE_LASTUPDATEDBY_SYSTEM_AREA	
0	(0)	X'E9E2C3'	0	DPQE_LASTUPDATEDBY_HZSCHECK_0TO3	"C'HZSC" This is the first 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the jobname
0	(0)	X'C5C3D2'	0	DPQE_LASTUPDATEDBY_HZSCHECK_4TO7	"C'HECK" This is the second 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the jobname
0	(0)	X'D6D4D4'	0	DPQE_LASTUPDATEDBY_COMMAND_0TO3	"C'COMM" This is the first 4-byte segment of an 8-byte constant.
0	(0)	X'D5C440'	0	DPQE_LASTUPDATEDBY_COMMAND_4TO7	"C'AND " This is the second 4-byte segment of an 8-byte constant.

HZSDPQE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'C1D9D4'	0	DPQE_LASTUPDATEDBY_PARMLIB_0TO3	"C'PARM" This is the first 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the parmlib member name
0	(0)	X'C9C240'	0	DPQE_LASTUPDATEDBY_PARMLIB_4TO7	"C'LIB " This is the second 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the parmlib member name
0	(0)	X'E8E2E3'	0	DPQE_LASTUPDATEDBY_SYSTEM_0TO3	"C'SYST" This is the first 4-byte segment of an 8-byte constant.
0	(0)	X'D44040'	0	DPQE_LASTUPDATEDBY_SYSTEM_4TO7	"C'EM " This is the second 4-byte segment of an 8-byte constant.
16	(10)	X'10'	0	DPQE_LASTUPDATEDBY_TYPE_LEN	"*-DPQE_LASTUPDATEDBY_TYPE"

HZSDPQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CDPQE_ACRONYM	218	D7D8C5	DPQE_LASTUPDATEDBY_SYSTEM_AREA	0	
CDPQE_VERSION	218	0	DPQE_LASTUPDATEDBY_SYSTEM_0TO3	0	E8E2E3
DPQE_AVAILABLE	10	80	DPQE_LASTUPDATEDBY_SYSTEM_4TO7	0	D44040
DPQE_CATEGORY	84		DPQE_LASTUPDATEDBY_TYPE	0	
DPQE_CATEGORYAREA	80		DPQE_LASTUPDATEDBY_TYPE_LEN	10	10
DPQE_CATEGORYARRAY	84		DPQE_LASTUPDATEDBY_TYPE_UNION	0	
DPQE_CHECKEXITRTN	58		DPQE_MAXCATEGORYENTRIES	218	10
DPQE_CHECKNAME	38		DPQE_NUMCATEGORIESDEFINED	80	
DPQE_CHECKOWNER	28		DPQE_REMOTE	11	80
DPQE_CHECKOWNERNAME	28		DPQE_RESERVED1	8	
DPQE_EXTENDED_TOD	18		DPQE_RESERVED2	190	
DPQE_FLAGS	10		DPQE_REXX	11	40
DPQE_FLAGSB1	10		DPQE_TEXT_STRING_MODIFIEDBY	218	
DPQE_FLAGSB2	11		DPQE_TEXT_STRINGS	218	
DPQE_FLAGSB3	12		DPQE_TOD	19	
DPQE_FLAGSB4	13		DPQE_TOD_HIGH	19	
DPQE_GLOBAL_CHECK	13	80	DPQE_TOD_LOW	1D	
DPQE_ID	0		DPQE_VERSION	4	
DPQE_LASTUPDATEDBY_AREA	60		HZSDPQE	0	
DPQE_LASTUPDATEDBY_COMMAND_0TO3	0	D6D4D4	HZSDPQE_LEN	400	400
DPQE_LASTUPDATEDBY_COMMAND_4TO7	0	D5C440			
DPQE_LASTUPDATEDBY_HZSCHECK_HEADER	0				
DPQE_LASTUPDATEDBY_HZSCHECK_JOBNAME	8				
DPQE_LASTUPDATEDBY_HZSCHECK_STRUCTURE	0				
DPQE_LASTUPDATEDBY_HZSCHECK_0TO3	0	E9E2C3			
DPQE_LASTUPDATEDBY_HZSCHECK_4TO7	0	C5C3D2			
DPQE_LASTUPDATEDBY_PARMLIB_HEADER	0				
DPQE_LASTUPDATEDBY_PARMLIB_HZSPRMXX	8				
DPQE_LASTUPDATEDBY_PARMLIB_STRUCTURE	0				
DPQE_LASTUPDATEDBY_PARMLIB_0TO3	0	C1D9D4			
DPQE_LASTUPDATEDBY_PARMLIB_4TO7	0	C9C240			

HZSMGB Information

HZSMGB Programming Interface information

Programming Interface information

HZSMGB

End of Programming Interface information

HZSMGB Heading Information • HZSMGB Map

HZSMGB Heading Information

Common Name: Message Block
Macro ID: HZSMGB
DSECT Name: HZSMGB MGB_MsgInsertD HZSMGB1 MGB1_MsgInsertDesc
Owning Component: IBM Health Checker for z/OS (SCHZS)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: user-supplied
 Key: HZSFMSG callers key
 Residency: z/OS Health CHecker variable
Size: HZSMGB -- X'000C' bytes
 MGB_MsgInsertD -- X'0002' bytes
 HZSMGB1 -- X'0008' bytes
 MGB1_MsgInsertDesc -- X'0008' bytes
Created by: Caller of HZSFMSG macro.
Pointed to by: HZSFMSG parameter list
Serialization: None required
Function: Maps the message id and variables used to write a message to check buffer using HZSFMSG

HZSMGB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSMGB	
0	(0)	CHARACTER	1	MGB_INSERT_STRUCTURE (0)	
0	(0)	CHARACTER	8	MGB_INSERT_STRUCTURE_HEADER	Message inserts header
0	(0)	SIGNED	4	MGB_MESSAGENUMBER	The message number. This is the value provided in "XREFTEXT=MessageNumber" within the <msgnum> tag of the message source.
0	(0)	SIGNED	4	MGB_ID	Same as MGB_MessageNumber
4	(4)	SIGNED	4	MGB_INSERT_CNT	The number of insert addresses in the MGB_Insert_Structure_Entries area
8	(8)	CHARACTER	1	MGB_INSERT_STRUCTURE_ENTRIES (0)	
8	(8)	ADDRESS	4	MGB_INSERTS	An array of pointers, each of which contains the address of an area mapped by Mgb_MsgInsertD. Note that if you use HZSMGB_LEN that will provide room for only one insert, so if you want more than one insert, be sure to account for that. For example, use HZSMGB_LEN + (n-1)*L'MGB_inserts where n is the number of inserts
8	(8)	ADDRESS	4	MGB_INSERTADDR	Address of the Mgb_MsgInsertD area for the insert
8	(8)	X'14'	0	MGB_MAXINSERTS	"20" The maximum number of inserts
8	(8)	X'C'	0	HZSMGB_LEN	"*-HZSMGB"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MGB_MSGINSERTD	Insert description
0	(0)	CHARACTER	2	MGB_MSGINSERTD_HEADER	
0	(0)	SIGNED	2	MGB_MSGILEN	The length of the insert For a null insert, use a length of 0.
2	(2)	CHARACTER	1	MGB_MSGINSERTD_DATA (0)	
2	(2)	CHARACTER	1	MGB_MSGIVAL (0)	The insert value
2	(2)	X'100'	0	MGB_MAXINSERTLEN	"256" The maximum length of an insert unless otherwise indicated within the HZSFMSG macro
2	(2)	X'2'	0	MGB_MSGINSERTD_LEN	"*-MGB_MsgInsertD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSMGB1	
0	(0)	CHARACTER	8	MGB1_INSERT_STRUCTURE	
0	(0)	CHARACTER	8	MGB1_INSERT_STRUCTURE_HEADER	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	SIGNED	4	MGB1_MESSAGENUMBER	Message inserts header The message number. This is the value provided in "XREFTEXT=MessageNumber" within the <msgnum> tag of the message source. This field need not be when REQUEST=HZSMMSG is specified on HZSFMSG.
0	(0)	SIGNED	4	MGB1_ID	Same as MGB1_MessageNumber
4	(4)	SIGNED	4	MGB1_INSERT_CNT	
8	(8)	CHARACTER	1	MGB1_INSERT_STRUCTURE_ENTRIES (0)	The number of insert addresses in the MGB1_Insert_Structure_Entries area The start of a contiguous area identifying the inserts. The area consist of "MGB1_insert_cnt" 8-byte segments where each segment is mapped by DSECT MGB1_MsgInsertDesc. Note that equate HZSMGB1_LEN provides only enough room for the HZSMGB1 area itself. To account for inserts as well, use something like HZSMGB1_Len + (n)*MGB1_MsgInsertDesc_Len where n is the number of inserts
8	(8)	X'14'	0	MGB1_MAXINSERTS	"20" The maximum number of inserts
8	(8)	X'8'	0	HZSMGB1_LEN	**_HZSMGB1"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	MGB1_MSGINSERTDESC	
0	(0)	SIGNED	2	MGB1_MSGINSERTDESC_LENGTH	The length of the insert. For a null insert, use a length of 0.
2	(2)	CHARACTER	2		Reserved
4	(4)	ADDRESS	4	MGB1_MSGINSERTDESC_ADDR	The address of the insert. This need not be set when the length is 0.
4	(4)	X'100'	0	MGB1_MAXINSERTLEN	"256" The maximum length of an insert
4	(4)	X'8'	0	MGB1_MSGINSERTDESC_LEN	**_MGB1_MsgInsertDesc"

HZSMGB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HZSMGB	0		MGB1_INSERT_CNT	4	
HZSMGB_LEN	8	C	MGB1_INSERT_STRUCTURE	0	
HZSMGB1	0		MGB1_INSERT_STRUCTURE_ENTRIES	8	
HZSMGB1_LEN	8	8	MGB1_INSERT_STRUCTURE_HEADER	0	
MGB_ID	0		MGB1_MAXINSERTLEN	4	100
MGB_INSERT_CNT	4		MGB1_MAXINSERTS	8	14
MGB_INSERT_STRUCTURE	0		MGB1_MESSAGENUMBER	0	
MGB_INSERT_STRUCTURE_ENTRIES	8		MGB1_MSGINSERTDESC	0	
MGB_INSERT_STRUCTURE_HEADER	0		MGB1_MSGINSERTDESC_ADDR	4	
MGB_INSERTADDR	8		MGB1_MSGINSERTDESC_LEN	4	8
MGB_INSERTS	8		MGB1_MSGINSERTDESC_LENGTH	0	
MGB_MAXINSERTLEN	2	100			
MGB_MAXINSERTS	8	14			
MGB_MESSAGENUMBER	0				
MGB_MSGILEN	0				
MGB_MSGINSERTD	0				
MGB_MSGINSERTD_DATA	2				
MGB_MSGINSERTD_HEADER	0				
MGB_MSGINSERTD_LEN	2	2			
MGB_MSGIVAL	2				
MGB1_ID	0				

HZSPQE Information

HZSPQE Programming Interface information

Programming Interface information

HZSPQE

End of Programming Interface information

HZSPQE Heading Information • HZSPQE Map

HZSPQE Heading Information

Common Name: Process Queue Element
Macro ID: HZSPQE
DSECT Name: HZSPQE Pqe_LastUpdatedBy_Type
Owning Component: IBM Health Checker for z/OS (SCHZS)
Eye-Catcher ID: PQE
 Offset: 0
 Length: 4
Storage Attributes: Subpool: user-supplied
 Key: user-supplied
 Residency: user-supplied
Size: HZSPQE -- X'1000' bytes
 Pqe_LastUpdatedBy_Type -- X'0010' bytes
Created by: A PQE is created within a user-supplied area by HZSQQUERY processing when returning data about a not-deleted check
Pointed to by: None
Serialization: None required
Function: Maps the data for a check routine

HZSPQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSPQE	Process Queue Element
Comment					
PQEHeader: General control block information Offset: 0000/0000'X Length: 0128/0080'X					
End of Comment					
0	(0)	CHARACTER	128	PQEHEADER	PQE header information
0	(0)	CHARACTER	4	PQE_ID	Eye catcher: 'PQE '
4	(4)	SIGNED	2	PQE_VERSION	Version - 0 (Incompatible PQE mappings will result in new version numbers.)
6	(6)	CHARACTER	2		Reserved
8	(8)	ADDRESS	4	PQE_DYNAMICAREAAADDR	
					Dynamic area for Check routine: Address of 4K dynamic work area (Assumed dirty, do not use before set)
8	(8)	ADDRESS	4	PQE_DYNAMICAREA@	
12	(C)	CHARACTER	20		
32	(20)	CHARACTER	96	PQE_TEXT_STRING2	
					Text strings that can be used for display. Valid only as output from HZSQQUERY when TEXTSTRING=YES
32	(20)	CHARACTER	8	PQE_TEXT_STRING_ORIGIN	
					For example, HZSADDCK. Valid only as output from HZSQQUERY when TEXTSTRING=YES
40	(28)	CHARACTER	8	PQE_TEXT_STRING_LOCALE	
					For example, REMOTE. Valid only as output from HZSQQUERY when TEXTSTRING=YES
Comment					
Note: RexxIn and RexxOut datasets names will never exceed 34 characters: hlq.execname.REXXOUT (8+1+8+1+7) hlq.execname.REXXOUT.E##### (8+1+8+1+7+1+8) hlq.execname.REXXIN (8+1+8+1+6) hlq.execname.REXXIN.E##### (8+1+8+1+6+1+8) Therefore, a short dataset name can be used.					
End of Comment					
48	(30)	CHARACTER	80	PQE_TEXT_STRING_REXX_DSNS	
48	(30)	CHARACTER	40	PQE_TEXT_STRING_REXXIN_DSN	
					REXX input dsn: hlq.execname.REXXIN.E#####, or hlq.execname.REXXIN. Valid only as output from HZSQQUERY when TEXTSTRING=YES and PQE_REXXIN='1'b
88	(58)	CHARACTER	40	PQE_TEXT_STRING_REXXOUT_DSN	
					REXX out dsn: hlq.execname.REXXOUT.E#####, or hlq.execname.REXXOUT. Valid only as output from HZSQQUERY when TEXTSTRING=YES and PQE_REXX='1'b

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
PQEMsgInfo Check message information Offset: 0128/0080'X Length: 0128/0080'X					
End of Comment					
128	(80)	CHARACTER	128	PQEMSGINFO	Message info area
128	(80)	CHARACTER	8	PQE_LASTBLOCKID	System Logger BlockID of the last successful complete write of the message stream to System Logger
136	(88)	CHARACTER	16	PQE_MSGTIMESTAMP	Time stamp (Local & GMT Time) of the last successful complete write to System Logger
152	(98)	CHARACTER	8		Reserved for future use
160	(A0)	CHARACTER	96	PQE_RESERVED2	RESERVED FOR IBM PROPRIETARY PROGRAMMING SUPPORT
Comment					
PQEStatus Check status, return codes, severity, categories, etc. Offset: 0256/0100'X Length: 0512/0200'X					
End of Comment					
256	(100)	CHARACTER	256	PQESTATUS	Global check information
256	(100)	SIGNED	4	PQE_FAIL_COUNT	Number of times the check has failed in a row. This could have been an abend or, for a REXX check, unsuccessful completion.
260	(104)	BITSTRING	16	PQE_STARTED_EXTENDED_TOD	When the check last started. This is the time when the system marked the check ready to run. It might not yet have actually begun running (perhaps because no worker tasks are available). This field is displayed preceded by "LAST RAN" but if the display shows "SCHEDULED" it has not actually run yet.
260	(104)	BITSTRING	1		High byte of eTOD
261	(105)	BITSTRING	8	PQE_STARTED_TOD	TOD: check last started
261	(105)	BITSTRING	4	PQE_STARTED_TOD_HIGH	High order word
265	(109)	BITSTRING	4	PQE_STARTED_TOD_LOW	Low order word
269	(10D)	BITSTRING	7		Low bytes of eTOD
276	(114)	BITSTRING	16	PQE_NEXTSCHEDULED_EXTENDED_TOD	When the check is next scheduled to start. Note that when PQE_Do_Not_Call_Flags is non-zero, this field does not contain valid information.
276	(114)	BITSTRING	16	PQE_NEXTSCHEDULED_ETOD	When the check is next next scheduled to start. Note that when PQE_Do_Not_Call_Flags is non-zero, this field does not contain valid information.
276	(114)	BITSTRING	1		High byte of eTOD
277	(115)	BITSTRING	8	PQE_NEXTSCHEDULED_TOD	TOD: Next scheduled check start as per TIMEINT
277	(115)	BITSTRING	4	PQE_NEXTSCHEDULED_TOD_HIGH	High order word
281	(119)	BITSTRING	4	PQE_NEXTSCHEDULED_TOD_LOW	Low order word
285	(11D)	BITSTRING	7		Low bytes of eTOD
292	(124)	CHARACTER	8	PQE_GLOBALCHECK_SYSNAME	The name of the system on which that check is active. Set for HZSQUERY when GLOBALCHECK=FINDSYSTEM is specified only
300	(12C)	CHARACTER	8	PQE_LASTRAN	STCK value when check last ran
308	(134)	CHARACTER	12	PQE_RESULT_AND_DIAG	
308	(134)	SIGNED	4	PQE_RESULT	Result from the last check invocation (See equates PQE_Result_xxx) =0, No exceptions found (Or SEV(None) w/exceptions) =4, SEV(L) Exception found =8, SEV(M) Exception found =12, SEV(H) Exception found
312	(138)	CHARACTER	8	PQE_DIAG	Diagnostic information from the check routine
312	(138)	CHARACTER	4	PQE_DIAG1	First word of DIAG
316	(13C)	CHARACTER	4	PQE_DIAG2	Second word of DIAG
320	(140)	SIGNED	4	PQE_TIME_INTVL	Time interval in .01 seconds between runnings of the check. A value of 0 indicates that the check was defined as ONETIME.
324	(144)	SIGNED	4	PQE_CHECK_COUNT	

HZSPQE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					The check iteration number since initialized / refreshed. Updated just before calling the "check" function. For a remote check, includes times when the system attempted to start a check but the check itself might not have confirmed that it got control
328	(148)	BITSTRING	4	PQE_DO_NOT_CALL_FLAGS	Do not call the checking routine
328	(148)	BITSTRING	3	PQE_DO_NOT_CALL_FLAGS_NOT_TRANSIENT	
328	(148)	BITSTRING	1	PQE_DO_NOT_CALL_FLAGS_BYHC	Flags determined by health checker
328	(148)	BITSTRING	1	PQE_BYHC_RESETONPARMCHANGE	
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_ERROR_THRESHOLD_EXCEEDED	"X'80" Check routine abended 2 consecutive times, or the check initialization routine failed
		.1..		PQE_CHECKROUTINE_INIT_ERROR	"X'40" Error within INIT function of check routine
		..1.		PQE_CHECKROUTINE_DELETE_ERROR	"X'20" Error within DELETE function of check routine
		...1		PQE_MISSING_DOM_ERROR	"X'10" A DOM(CHECK) check missed to DOM exception WTOs from a previous check iteration, when the current iteration ended without check exception.
		.... 1...		PQE_ERROR_THRESHOLD_EXCEEDED_ABEND	"X'08" When the error threshold was exceeded, it was because of an abend (as opposed to an unsuccessful REXX check)
329	(149)	BITSTRING	1	PQE_DO_NOT_CALL_FLAGS_BYCHECK	Flags determined by the check routine
329	(149)	BITSTRING	1	PQE_BYCHECK_RESETONPARMCHANGE	
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_ENVIRONMENT_NA	"X'80" HZS1003I not applicable in current environment check
		.1..		PQE_PARM_ERROR	"X'40" HZS1001i Parameter error found for this check
		..1.		PQE_UNEXPECTED_ERROR_STOP	"X'20" Unexpected error via HZSFMSG REQUEST=STOP
330	(14A)	BITSTRING	1	PQE_DO_NOT_CALL_FLAGS_BYUSER	Flags determined by the user/customer
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_DEACTIVATED	"X'80" Check was deactivated (must be activated before check is started
331	(14B)	BITSTRING	1	PQE_DO_NOT_CALL_FLAGS_BYHC_TRANSIENT	
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_WAITINGFORPRIORTOBEDELETED	"X'80" Check can not be activated until the prior copy has been deleted
		.1..		PQE_GLOBALCHECK_ACTIVEELSEWHERE	"X'40" Global check is active on another system within the sysplex
		..1.		PQE_USS_NOTAVAIL	"X'20" This check is known to be a USS user, but USS is down at the moment
		...1		PQE_REXX_NOTAVAIL	"X'10" This check is known to be a REXX user, but REXX services are not available
		.... 1...		PQE_REXX_TOOBUSY	"X'08" This check is known to be a REXX user, but REXX is currently "too busy".

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... 1...		PQE_REXX_FULL	"X'08"
332	(14C)	CHARACTER	84	PQE_UNION	
332	(14C)	CHARACTER	84	PQE_WTO_WORKAREA	
332	(14C)	SIGNED	4	PQE_WTO_NUM_OUTSTANDING	Not part of the intended interface. Number of (most) outstanding, not DOM'd, WTOs issued by this check. Differences between this and PQE_OutstandingExceptions: - this includes non-"exception message" WTOs, like from HZSFMSG REQUEST=HZSMSG - this is capped - this can include counts for a different iteration, if DOM(CHECK) is in effect "Most", since some WTOs are tracked individually.
332	(14C)	CHARACTER	84	PQE_TEXT_STRINGS	Text strings that can be used for display. Valid only as output from HZSQQUERY when TEXTSTRING=YES
332	(14C)	CHARACTER	4		Padding
336	(150)	CHARACTER	18	PQE_TEXT_STRING_STATE	For example, ACTIVE(ENABLED). Valid only as output from HZSQQUERY when TEXTSTRING=YES
354	(162)	CHARACTER	6	PQE_TEXT_STRING_GLOBAL	GLOBAL or blank. Valid only as output from HZSQQUERY when TEXTSTRING=YES
360	(168)	CHARACTER	16	PQE_TEXT_STRING_STATUS	For example, RUNNING. Valid only as output from HZSQQUERY when TEXTSTRING=YES
376	(178)	CHARACTER	6	PQE_TEXT_STRING_SEVERITY	For example, MEDIUM. Valid only as output from HZSQQUERY when TEXTSTRING=YES
382	(17E)	CHARACTER	9	PQE_TEXT_STRING_WTOTYPE	For example, IMMEDIATE. Valid only as output from HZSQQUERY when TEXTSTRING=YES
391	(187)	CHARACTER	24	PQE_TEXT_STRING_MODIFIEDBY	For example, STMT(pppppppppppppppp). Valid only as output from HZSQQUERY when TEXTSTRING=YES
416	(1A0)	BITSTRING	4	PQE_CHECK_STATUS	We need CS logic at least for Byte 1, which has the possibility of concurrent updates between HZSTKSCH and HZSAACMD. Rather than worry about whether that byte alone is sufficient, the whole word is made to use CS manipulation
416	(1A0)	BITSTRING	1	PQE_CHECK_STATUSB0	Byte 0

Comment

Bit definitions:

End of Comment

		1...		PQE_PARMERRORSDETECTED	"X'80" HZSPRMxx parameters detected for this check were found in error and will not be used, the check will still be executed
		.1..		PQE_INITIALIZATIONINCOMPLETE	"X'40" Check initialization for this check has not been completed (Run init)
		..1.		PQE_DELETING	"X'20" Delete processing has started
		...1		PQE_NOTLOGGED	"X'10" there is a message buffer, and some or all of the current buffer has NOT been copied to the message buffer
		.... 1...		PQE_INIT_CALLED	"X'08" Check_Init was called. When initially inactive, we will not call INIT routine. So we remember that we need to do that, for when ACTIVATE occurs. But once this is set, it is never reset so that on a subsequent DEACTIVATE we do not call any longer
		.... .1..		PQE_MODIFIEDNOTBYPOLICY	"X'04" This check has been modified not by a policy statement, so updates will be lost if a refresh occurs
		.... ..1.		PQE_UPDATESNOTYETMERGED	"X'02" Valid only within HZSQQUERY output, indicates that a currently scheduled check routine might not yet reflect the most recent update request(s)
		.... ...1		PQE_SETTOFORCE	"X'01" Need to Force this check, which is a strong delete
417	(1A1)	BITSTRING	1	PQE_CHECK_STATUSB1	Byte 1

HZSPQE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_CHECKRUNNING	"X'80" Check is currently scheduled to run
		.1..		PQE_WAITINGFORTIMERPOP	"X'40" PQE_NextScheduled_Tod is is set for the future and waiting to go off. This is an internal flag
		.1..		PQE_TIMER_RUNNING	"X'40" old name for this field
		..1.		PQE_FORCED	"X'20" Force (CALLRTM ABTERM) done
		...1		PQE_POLICYDATEEXCEPTION	"X'10" A policy statement matches this check, but the date on that policy statement is earlier than the check's date and the policy date was not NOCHECK
		.... 1..		PQE_POLICYDATEEXCEPTIONTEMP	"X'08"
		.... .1..		PQE_CHECKROUTINEINCONTROL	"X'04" The check routine is currently in control
		.... ..1.		PQE_ONSCHEDULEQUEUE	"X'02" PQE is on scheduled queue This is an internal flag.
		.... ...1		PQE_NEVER_RUN	"X'01" Check has not run yet: Scheduled to run the first time. This is an internal flag.
418	(1A2)	BITSTRING	1	PQE_CHECK_STATUSB2	Byte 2
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_UNEXPECTED_ERROR_HZSMSG	"X'80" Unexpected error specified via HZSFMSG REQUEST=HZSMSG
		.1..		PQE_NOTREALLYSCHEDULED	"X'40" The check is being processed by the system, but not in order to run it
		..1.		PQE_GLOBALCHECK_RANELSEWHERE	"X'20" The last time an attempt was made to run this global check on this system, it was active on another system in the sysplex, However, it is no longer active on any system in the sysplex. Valid only as output from HZSQQUERY
		...1		PQE_REFRESHING	"X'10" Refresh processing has started
		.... 1..		PQE_FAIL_COUNT_ABEND	"X'08" The last time that the fail count was incremented it was because of an abend (as opposed to an unsuccessful REXX check)
		.... .1..		PQE_FAIL_COUNT_NOTAVAIL	"X'04" The last time that the fail count was incremented it was because of a SYSREXX memterm, so that REXX is no longer available
		.... ..1.		PQE_POLICYSYNCVALEXCEPTION	"X'02" A policy statement matches this check, but the SyncVal and (E)Interval values between that policy stmt and the check are in conflict.
		.... ...1		PQE_POLICYSYNCVALEXCEPTIONTEMP	"X'01"
419	(1A3)	BITSTRING	1	PQE_CHECK_STATUSB3	Byte 3
Comment					
Bit definitions:					
End of Comment					
		1111 11..		PQE_CLEARONCHECKCALL	"X'FC" Reset each time the CHECK function is called
		1...		PQE_CHECKABENDED	"X'80" The check abended while running but the abend has not yet been counted within PQE_Fail_Count. To tell if a check failed on its last iteration, see if PQE_Fail_Count is non-zero.
		.111		PQE_DIAG_FROM	"X'70" Diag_From bits
		.1..		PQE_DIAG_FROM_ABEND	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		PQE_DIAG_FROM_HC	"X'40" PQE_Diag contains abend code and abend reason code from SDWACMPC and SDWACRC
		...1		PQE_DIAG_FROM_CHECKROUTINE	"X'20" PQE_Diag contains data set by HC
		.... 1...		PQE_CLEANUPINDIFFERENTTASKTHANCHECK	"X'10" PQE_Diag contains diagnostic data provided by the check routine
		.... .1..		PQE_REMOTECHECKUNSUCCESSFUL	"X'08"
420	(1A4)	SIGNED	4	PQE_OUTSTANDINGEXCEPTIONS	"X'04" When a REXX check ran, it either did not issue LINKMVS HZSLSTRT or, according to AXREXX, it did not complete successfully. Or when starting a remote not REXX check, the release did not work to get it started
424	(1A8)	SIGNED	4	PQE_FUNCTION_CODE	The number of exceptions found by the most current iteration of the check.
428	(1AC)	SIGNED	4	PQE_DATASPACEALET	Checks may get control for function codes: Pqe_Function_Code_Init 1 Pqe_Function_Code_Check 2 Pqe_Function_Code_cleanup 3 Pqe_Function_Code_Delete 7FFFFFFF
432	(1B0)	CHARACTER	8	PQE_DATASPACESTOKEN	For a non-remote check, the ALET of a data space on the DU-AL that the check routine may use for any purpose it desires. The check routine must not assume that any of the storage is 0. The check may use all the storage in the range 1000-x'7FFFEFFF'.
440	(1B8)	SIGNED	4	PQE_LASTCPUPTIME_CHECK	For a non-remote check, the STOKEN of the data space addressed by PQE_DataspaceALET. If the check routine uses more than two pages of data space storage it should issue DSPSERV RELEASE using this STOKEN and the used range upon completion of the check function (or in the cleanup function).
444	(1BC)	SIGNED	4	PQE_MAXCPUPTIME_CHECK	The CPU time used by the "check" function the last time it ran. This value is captured from bytes 2-5 of TCBTTIME before and after the check function. A value of 7FFFFFFF indicates that the value was greater than or equal to x'7FFFFFFF'.
448	(1C0)	BITSTRING	4	PQE_ENVIRONMENT	The maximum CPU time used by the "check" function. This value is captured from bytes 2-5 of TCBTTIME before and after the check function. A value of 7FFFFFFF indicates that the value was greater than or equal to x'7FFFFFFF'.
					The current operating environment
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_ENVIRONMENT_XCFLOCAL	"X'80" Xcf local mode
		.1..		PQE_ENVIRONMENT_XCFMONOPLEX	"X'40" Xcf Monoplex
		..1.		PQE_REMOTE	"X'20" This is a REMOTE check
		...1		PQE_REXX	"X'10" This is a REXX check
452	(1C4)	BITSTRING	3		Reserved for future use
452	(1C4)	SIGNED	4	PQE_LASTRESULT	Result when check last ran
456	(1C8)	SIGNED	4	PQE_CUM_CHECK_COUNT	The cumulative check iteration number since initialized. This differs from PQE_Check_Count in that it is not reset when a refresh occurs. It is updated just before calling the "check" function. For a remote check, includes times when the system attempted to start a check but the check itself might not have confirmed that it got control
460	(1CC)	SIGNED	4	PQE_LASTOUTSTANDINGEXCEPTIONS	The number of exceptions found by the last complete iteration of the check
464	(1D0)	CHARACTER	28	PQE_STATUSRSVD	Reserved for future use
Comment					
PQEChkInfo Check defaults and best practices as defined when the check was added to Health Checker (via ?HZSADDCK macro) Offset: 0768/0300'X Length: 0768/0300'X					
End of Comment					
512	(200)	CHARACTER	768	PQECHKINFO	Name/category/defaults

HZSPQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
CheckName and CheckOwner combination will identify a unique check					
End of Comment					
512	(200)	CHARACTER	48	PQE_CHECKOWNERNAME	
512	(200)	CHARACTER	16	PQE_CHECKOWNER	
Comment					
owning company and/or component					
End of Comment					
528	(210)	CHARACTER	32	PQE_CHECKNAME	check name
560	(230)	CHARACTER	8	PQE_CHECKMODULENAME	Check routine load module
568	(238)	CHARACTER	8	PQE_CHECKEXITRTN	Exit ModName that added this check
576	(240)	CHARACTER	8	PQE_MSGTABLENAME	load module of msg table
576	(240)	CHARACTER	8	PQE_MSGMODULENAME	load module of msg module
584	(248)	SIGNED	4	PQE_ENTRY_CODE	Check entry code
588	(24C)	SIGNED	4	PQE_DEFAULTSEVERITY	Severity level of check: (See severity constants for the excepted values)
592	(250)	CHARACTER	4	PQE_DEFAULTINTERVAL	Default Time interval A value of '00000000'X indicates the check should not be run more then once unless the interval is overridden
592	(250)	SIGNED	2	PQE_DEFAULTHOURS	Number of hours
594	(252)	SIGNED	2	PQE_DEFAULTMINUTES	Number of minutes
596	(254)	BITSTRING	4	PQE_DEFAULTFLAGS	other defaults
596	(254)	BITSTRING	1	PQE_DEFAULTFLAGSB1	Byte 1
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_GLOBAL_CHECK	"X'80" Global check: If a check is marked as global, it will only be run on the 1 system in the sysplex that obtains global enqueue for the check - Major name: 'HZS ', Minor name: PQE_CheckOwner||PQE_CheckName
		.1..		PQE_REXXIN	"X'40" For a REXX check, the REXXIN data set exists
		..1.		PQE_DOM_CHECK	"X'20" Who will issue Delete @UT01A Operator Message (DOM) requests for the check's check exception WTO messages: '1'b = the check '0'b = the system (default)
		...1		PQE_ALLOWDYNSEV	"X'10" Whether dynamic severity is allowed for HZSFMSG: '1'b = Yes '0'b = No (default)
597	(255)	BITSTRING	1	PQE_DEFAULTFLAGSB2	Byte 2
597	(255)	BITSTRING	1		Reserved for future use
598	(256)	BITSTRING	1	PQE_DEFAULTFLAGSB3	Byte 3
598	(256)	BITSTRING	1		Reserved for future use
599	(257)	BITSTRING	1	PQE_DEFAULTFLAGSB4	Byte 4
Comment					
----- Byte 4 -----					
End of Comment					

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
600	(258)	CHARACTER	8	PQE_DEFAULTDATE	Date of Default parm YYYYMMDD
608	(260)	SIGNED	2	PQE_DEFAULTPARMLEN	Length of parms in default parmarea
610	(262)	CHARACTER	2		reserved
612	(264)	CHARACTER	4	PQE_DEFAULTEXCEPTIONINTERVAL	Default Time exception interval
612	(264)	SIGNED	2	PQE_DEFAULTEIHOURS	Number of hours

Comment

Bit definitions:

End of Comment

		1...		PQE_DEFAULTEINOTHHMM	"X'80"
		.1..		PQE_DEFAULTEISYSTEM	"X'40" Valid only when PQE_DefaultEINotHHMM
		..1.		PQE_DEFAULTEIHAF	"X'20" Valid only when PQE_DefaultEINotHHMM
614	(266)	SIGNED	2	PQE_DEFAULTEIMINUTES	Number of minutes
616	(268)	CHARACTER	128	PQE_RESERVED4	RESERVED FOR IBM PROPRIETARY PROGRAMMING SUPPORT
744	(2E8)	CHARACTER	140	PQE_RESERVED5	RESERVED FOR IBM PROPRIETARY PROGRAMMING SUPPORT
884	(374)	CHARACTER	128	PQE_DEFAULTREASON	specified reason for the check and default values
884	(374)	BITSTRING	2	PQE_DEFAULTREASON_LEN	
886	(376)	CHARACTER	126	PQE_DEFAULTREASON_STRING	
884	(374)	SIGNED	2	PQE_DEFAULTREASONLENGTH	Reason Length
886	(376)	CHARACTER	126	PQE_DEFAULTREASONTEXT	Reason text
1012	(3F4)	CHARACTER	256	PQE_DEFAULTPARMAREA	Area for default parameters.

Comment

PQEChkParms User parms and best practices overrides Offset:
1536/0600'X Length: 0512/0200'X

End of Comment

1280	(500)	CHARACTER	768	PQECHKPARMS	Check over ride values
1280	(500)	SIGNED	4	PQE_SEVERITY	Severity level of check. Default severity or user-specified severity (it is the latter when PQE_UserSeveritySpecified) (See severity constants for the expected values)
1280	(500)	SIGNED	4	PQE_USERSEVERITY	Severity level of check. Default severity or user-specified severity (it is the latter when PQE_UserSeveritySpecified) (See severity constants for the expected values)
1284	(504)	CHARACTER	4	PQE_INTERVAL	Check time interval. interval. A value of '00000000'X indicates the check should not be run more then once unless the interval is overridden Default interval or user-specified interval (it is the latter when PQE_UserIntervalSpecified)
1284	(504)	CHARACTER	4	PQE_USERINTERVAL	Check time interval. A value of '00000000'X indicates the check should not be run more then once unless the interval is overridden Default interval or user-specified interval (it is the latter when PQE_UserIntervalSpecified)
1284	(504)	SIGNED	2	PQE_HOURS	Number of hours
1284	(504)	SIGNED	2	PQE_USERHOURS	Number of hours
1286	(506)	SIGNED	2	PQE_MINUTES	Number of minutes
1286	(506)	SIGNED	2	PQE_USERMINUTES	Number of minutes
1288	(508)	CHARACTER	8	PQE_DATE	Default date or User-specified date YYYYMMDD (it is the latter when PQE_UserDateSpecified)
1288	(508)	CHARACTER	8	PQE_USERDATE	Default date or User-specified date YYYYMMDD (it is the latter when PQE_UserDateSpecified)
1296	(510)	BITSTRING	1	PQE_WTOTYPE	user-specified WtoType (valid PQE_UserWtoTypeSpecified) Critical, Eventual Action, etc. See WtoType constants
1296	(510)	BITSTRING	1	PQE_USER_WTOTYPE	

HZSPQE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
1297	(511)	BITSTRING	1	PQE_DEBUG	user-specified WtoType (valid PQE_UserWtoTypeSpecified) Critical, Eventual Action, etc. See WtoType constants See PQE_DEBUG_xxx. Default Debug or user-specified Debug (it is the latter when PQE_UserDebugSpecified)
1297	(511)	BITSTRING	1	PQE_USER_DEBUG	See PQE_DEBUG_xxx. Default Debug or user-specified Debug (it is the latter when PQE_UserDebugSpecified)
1298	(512)	BITSTRING	2	PQE_USERSPECIFIED_FLAGS	Indicates which fields the user specified
1298	(512)	BITSTRING	1	PQE_USERSPECIFIED_FLAGS0	Byte 0 of flags
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_USERSEVERITYSPECIFIED	"X'80" A user-specified SEVERITY value was found
		.1..		PQE_USERWTOTYPESPECIFIED	"X'40" A user-specified WTOTYPE value was found
		..1.		PQE_USERDESCCODESPECIFIED	"X'20" A user-specified Desc Code value was found
		...1		PQE_USERROUTCODESPECIFIED	"X'10" A user-specified Route Code value was found
		.... 1...		PQE_USERDATESPECIFIED	"X'08" A user-specified DATE value was found
		.... .1..		PQE_USERREASONSPECIFIED	"X'04" A user-specified REASON value was found. That reason is different than the default.
		.... ..1.		PQE_USERPARMSPECIFIED	"X'02" A user-specified PARM value was found. That reason is different than the default.
		.... ...1		PQE_USERINTERVALSPECIFIED	"X'01" A user-specified interval value was found
1299	(513)	BITSTRING	1	PQE_USERSPECIFIED_FLAGS1	Byte 1 of flags
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_USERCATEGORYSPECIFIED	"X'80" User-specified categories were processed
		.1..		PQE_USERDEBUGSPECIFIED	"X'40" User-specified debug was processed
		..1.		PQE_USERVERBOSESPECIFIED	"X'20" User-specified verbose was processed
		...1		PQE_USEREXCEPTIONINTERVALSPECIFIED	"X'10" A user-specified exception interval was found
		.... 1...		PQE_USERREXXTIMELIMITSPECIFIED	"X'08" User-specified TimeLimit was processed
1300	(514)	BITSTRING	2	PQE_WTO_DESCCODE	User specified addition DESC CODEs
1300	(514)	BITSTRING	2	PQE_USERDESCCODE	User specified additional DESC CODEs
1302	(516)	BITSTRING	1	PQE_MOREFLAGS	
Comment					
Bit definitions:					
End of Comment					
		1...		PQE_NOTALLCATEGORIESAPPLIED	"X'80" This is set when a category ADD is processed but there are already the maximum allowed. It is reset only when a category REPLACE is done (not when a category REMOVE is done).
		.1..		PQE_LOOKATPARMS	"X'40" This will be on for the call to the init function, for the first call to the check function and for the next call to the check function after the user updated the parms. Note that there might actually be no parms.
		..1.		PQE_USERPARMCHANGEDSINCELASTTIME	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		PQE_INTERNAL_USERPARMCHANGED	"X'40" See comment on PQE_LookAtParms
		...1		PQE_POLICYUPDATE_ACTIVE	"X'20" This is an internal indicator not for use by check routines
		.... 1...		PQE_POLICYUPDATE_INACTIVE	"X'10" A policy update requested that the check be active
		.... .1..		PQE_NEEDTOAPPLYPOLICY	"X'08" A policy update requested that the check be active
1303	(517)	BITSTRING	1	PQE_VERBOSE	"X'04" Categories were updated by a "change" so we need to re-apply policy. This is not an interface. See PQE_Verbose_xxx. Default Verbose or user-specified Verbose (it is the latter when PQE_UserVerboseSpecified)
1303	(517)	BITSTRING	1	PQE_USER_VERBOSE	See PQE_Verbose_xxx. Default Verbose or user-specified Verbose (it is the latter when PQE_UserVerboseSpecified)
1304	(518)	CHARACTER	16	PQE_WTO_ROUTCODE	Route code to be used for WTO. All 0's => none
1304	(518)	CHARACTER	16	PQE_USERROUTCODE	Route codes to be used for WTO. All 0's => none
1320	(528)	CHARACTER	16	PQE_LASTUPDATEDBY_AREA	Either policy statement name or 'HZSCHECK' || jobname (HZSCHECK macro) or 'COMMAND' (modify command) or 'PARMLIB' (a statement in a parmlib member) 'SYSTEM'. This is mapped by the Pqe_LastUpdatedBy_Type DSECT
1336	(538)	CHARACTER	4	PQE_EXCEPTIONINTERVAL	Check time exception interval. A value of >= 80000000 indicates that it is either to be run according to the interval or one half the interval. This is either the default exception interval or the user-specified exception (it is the latter when PQE_Use rExceptionIntervalSpecified is on)
1336	(538)	SIGNED	2	PQE_EIHOURS	Number of hours

Comment

Bit definitions:

End of Comment

		1...		PQE_EINOTHHHMM	"X'80"
		.1..		PQE_EISYSTEM	"X'40" Valid only when PQE_EINotHHHMM
		..1.		PQE_EIHALF	"X'20" Valid only when PQE_EINotHHHMM
1338	(53A)	SIGNED	2	PQE_EIMINUTES	Number of minutes
1340	(53C)	SIGNED	4	PQE_TIME_EXCEPTIONINTERVAL	Exception time interval in 0.01 seconds
1344	(540)	SIGNED	4	PQE_REXXTIMELIMIT	Valid only for REXX=YES checks
1348	(544)	SIGNED	2	PQE_REXXPQECHKWORK_LEN	Length of PQEChkArea that was last saved. Valid for REXX=YES checks
1350	(546)	BITSTRING	1	PQE_CHKPARMS_FLAGS	

Comment

Bit definitions:

End of Comment

		1...		PQE_REXXTSONO	"X'80"
1351	(547)	CHARACTER	1		Reserved for future use
1352	(548)	CHARACTER	8	PQE_REXXHLQ	Valid only for REXX=YES checks. Zeroes indicates to use the default
1360	(550)	BITSTRING	1	PQE_SYNCVALNOTSYSTEM	anything by SYSTEM

Comment

Bit definitions:

End of Comment

		1...		PQE_SYNCVALHHMM	"X'80" On, when SYNCVAL(HH:MM)
		.1..		PQE_SYNCVALANYHOUR	"X'40" On, when SYNCVAL(*:MM)
1361	(551)	BITSTRING	1	PQE_SYNCVALHOURS	0..23 for HH:MM
1362	(552)	BITSTRING	1	PQE_SYNCVALMINUTES	

HZSPQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1363	(553)	BITSTRING	1		0..59 for HH:MM or *:MM
1364	(554)	CHARACTER	20		Reserved for future use
1384	(568)	CHARACTER	8	PQE_CHECKEXEC	Reserved for future use
1392	(570)	CHARACTER	260	PQE_CATEGORYAREA	
1392	(570)	SIGNED	4	PQE_NUMCATEGORIESDEFINED	Number of categories associated with this check. The categories will occupy the first "n" slots in the PQE_CategoryArray.
1396	(574)	CHARACTER	16	PQE_CATEGORYARRAY	array of categories associated with this check. There are PQE_MaxCategoryEntries contiguous entries in the array. Each array entry is a 16-byte category
1396	(574)	CHARACTER	16	PQE_CATEGORY	Category name
1652	(674)	SIGNED	2	PQE_PARMLEN	Quotes that were used to surround the PARMS value within an operator command or HZSPRMxx statement are not included within the resulting length
1652	(674)	SIGNED	2	PQE_USERPARMLEN	
1654	(676)	CHARACTER	2	PQE_RESERVED6	
1656	(678)	CHARACTER	128	PQE_REASON_UNION	RESERVED FOR IBM PROPRIETARY PROGRAMMING SUPPORT
1656	(678)	CHARACTER	128	PQE_REASON	
1656	(678)	BITSTRING	2	PQE_REASON_LEN	
1658	(67A)	CHARACTER	126	PQE_REASON_STRING	
Comment					
specified reason for the check and user Default reason or user-specified reason (it is the latter when PQE_UserReasonSpecified)					
End of Comment					
1656	(678)	SIGNED	2	PQE_REASONLEN	Reason Length
1658	(67A)	CHARACTER	126	PQE_REASONTEXT	Reason text
1656	(678)	CHARACTER	128	PQE_USERREASON	specified reason for the check and user values. Default reason or user-specified reason (it is the latter when PQE_UserReasonSpecified)
1656	(678)	BITSTRING	2	PQE_USERREASON_LEN	
1658	(67A)	CHARACTER	126	PQE_USERREASON_STRING	
1656	(678)	SIGNED	2	PQE_USERREASONLENGTH	Reason Length
1658	(67A)	CHARACTER	126	PQE_USERREASONTEXT	Reason text
1784	(6F8)	CHARACTER	256	PQE_PARMAREA	Area for parameters Default parameters or user-specified parameters (it is the latter when PQE_UserparametersSpecified). Quotes that were used to surround the PARMS value within an operator command or HZSPRMxx statement are not included.
1784	(6F8)	CHARACTER	256	PQE_USERPARMAREA	Area for user parameters Default parameters or user-specified parameters (it is the latter when PQE_UserparametersSpecified)
Comment					
PQE_ChkWork Work area used (and mapped) by the check routine as needed Offset: 2048/0800'X Length: 2048/0800'X					
End of Comment					
2048	(800)	CHARACTER	2048	PQE_CHKWORK	2K work area for check routine
2048	(800)	CHARACTER	2048	PQECHKWORK	2K work area for check routine
Comment					
PQE and check related constants					
End of Comment					
2048	(800)	X'D8C540'	0	PQE_ACRONYM	"C'PQE "' Eye catcher for PQE
2048	(800)	X'0'	0	PQE_SYSTEMSEVERITY	"0" For dynamic severity "default". Never actually in PQE.
2048	(800)	X'FF'	0	PQE_NOSEVERITY	"255" Severity value for NO severity value
2048	(800)	X'4'	0	PQE_LOWSEVERITY	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2048	(800)	X'8'	0	PQE_MEDIUMSEVERITY	"4" Severity value for Low severity value
2048	(800)	X'C'	0	PQE_HIGHSEVERITY	"8" Severity value for Medium severity value
2048	(800)	X'0'	0	PQE_RESULT_NOEXCEPTIONS	"12" Severity value for High severity value
2048	(800)	X'4'	0	PQE_RESULT_LOWSEVERITYEXCEPTIONS	"0"
2048	(800)	X'8'	0	PQE_RESULT_MEDIUMSEVERITYEXCEPTIONS	"4"
2048	(800)	X'C'	0	PQE_RESULT_HIGHSEVERITYEXCEPTIONS	"8"
2048	(800)	X'10'	0	PQE_WTOTYPE_CRITICAL	"12"
2048	(800)	X'C'	0	PQE_WTOTYPE_EVENTUAL	"16"
2048	(800)	X'8'	0	PQE_WTOTYPE_INFO	"12"
2048	(800)	X'4'	0	PQE_WTOTYPE_HARDCOPY	"8"
2048	(800)	X'FF'	0	PQE_WTOTYPE_NONE	"4"
2048	(800)	X'0'	0	PQE_WTOTYPE_NO_CHANGE	"255"
2048	(800)	X'0'	0	PQE_SEVERITY_NO_CHANGE	"0" From HZSCHECK only, never actually in a PQE
2048	(800)	X'0'	0	PQE_DEBUG_OFF	"0" From HZSCHECK only, never actually in a PQE
2048	(800)	X'8'	0	PQE_DEBUG_ON	"0"
2048	(800)	X'0'	0	PQE_VERBOSE_NO	"8"
2048	(800)	X'8'	0	PQE_VERBOSE_YES	"0"
2048	(800)	X'1'	0	PQE_FUNCTION_CODE_INIT	"8"
2048	(800)	X'2'	0	PQE_FUNCTION_CODE_CHECK	"1" Check initialization
2048	(800)	X'3'	0	PQE_FUNCTION_CODE_CLEANUP	"2" Check code
2048	(800)	X'FFFFFF'	0	PQE_FUNCTION_CODE_DELETE	"3" Check cleanup
2048	(800)	X'1'	0	PQE_INIT	"2147483647" Check Delete
2048	(800)	X'2'	0	PQE_CHECK	"1"
2048	(800)	X'3'	0	PQE_CLEANUP	"2"
2048	(800)	X'FFFFFF'	0	PQE_DELETE	"3"
2048	(800)	X'7E'	0	PQE_REASONLENGTH	"2147483647"
2048	(800)	X'100'	0	PQE_PARMLENGTH	"126"
2048	(800)	X'10'	0	PQE_MAXCATEGORYENTRIES	"256"
2048	(800)	X'1000'	0	HZSPQE_LEN	"16"
					"*-HZSPQE"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PQE_LASTUPDATEDBY_TYPE	
0	(0)	CHARACTER	16	PQE_LASTUPDATEDBY_TYPE_UNION	
0	(0)	CHARACTER	16		
0	(0)	CHARACTER	16	PQE_LASTUPDATEDBY_HZSCHECK_STRUCTURE	
0	(0)	CHARACTER	8	PQE_LASTUPDATEDBY_HZSCHECK_HEADER	
8	(8)	CHARACTER	8	PQE_LASTUPDATEDBY_HZSCHECK_JOBNAME	
0	(0)	CHARACTER	16	PQE_LASTUPDATEDBY_PARMLIB_STRUCTURE	
0	(0)	CHARACTER	8	PQE_LASTUPDATEDBY_PARMLIB_HEADER	
8	(8)	CHARACTER	8	PQE_LASTUPDATEDBY_PARMLIB_HZSPRMXX	
0	(0)	CHARACTER	8	PQE_LASTUPDATEDBY_SYSTEM_AREA	
0	(0)	X'E9E2C3'	0	PQE_LASTUPDATEDBY_HZSCHECK_0TO3	"C'HZSC" This is the first 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the jobname
0	(0)	X'C5C3D2'	0	PQE_LASTUPDATEDBY_HZSCHECK_4TO7	"C'HECK" This is the second 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the jobname

HZSPQE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'D6D4D4'	0	PQE_LASTUPDATEDBY_COMMAND_0TO3	"C'COMM" This is the first 4-byte segment of an 8-byte constant.
0	(0)	X'D5C440'	0	PQE_LASTUPDATEDBY_COMMAND_4TO7	"C'AND "" This is the second 4-byte segment of an 8-byte constant.
0	(0)	X'C1D9D4'	0	PQE_LASTUPDATEDBY_PARMLIB_0TO3	"C'PARM" This is the first 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the parmlib member name
0	(0)	X'C9C240'	0	PQE_LASTUPDATEDBY_PARMLIB_4TO7	"C'LIB "" This is the second 4-byte segment of an 8-byte constant. The trailing 8 characters of the field in this case are the parmlib member name
0	(0)	X'E8E2E3'	0	PQE_LASTUPDATEDBY_SYSTEM_0TO3	"C'SYST" This is the first 4-byte segment of an 8-byte constant. The trailing characters of the field in this case are blanks
0	(0)	X'D44040'	0	PQE_LASTUPDATEDBY_SYSTEM_4TO7	"C'EM "" This is the second 4-byte segment of an 8-byte constant. The trailing characters of the field in this case are blanks
16	(10)	X'10'	0	PQE_LASTUPDATEDBY_TYPE_LEN	**Pqe_LastUpdatedBy_Type"

HZSPQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HZSPQE	0			546	
HZSPQE_LEN	800	1000	PQE_CHKWORK	800	
PQE_ACRONYM	800	D8C540	PQE_CLEANUP	800	3
PQE_ALLOWDYNSEV			PQE_CLEANUPINDIFFERENTTASKTHANCHECK		
	254	10		1A3	8
PQE_BYCHECK_RESETONPARMCHANGE	149		PQE_CLEARONCHECKCALL	1A3	FC
PQE_BYHC_RESETONPARMCHANGE	148		PQE_CUM_CHECK_COUNT	1C8	
PQE_CATEGORY	574		PQE_DATASPACELET		
PQE_CATEGORYAREA				1AC	
	570		PQE_DATASPACESTOKEN		
PQE_CATEGORYARRAY				1B0	
	574		PQE_DATE	508	
PQE_CHECK	800	2	PQE_DEACTIVATED		
PQE_CHECK_COUNT				14A	80
	144		PQE_DEBUG	511	
PQE_CHECK_STATUS			PQE_DEBUG_OFF		
	1A0			800	0
PQE_CHECK_STATUSB0			PQE_DEBUG_ON	800	8
	1A0		PQE_DEFAULTDATE		
PQE_CHECK_STATUSB1				258	
	1A1		PQE_DEFAULTEIHAF		
PQE_CHECK_STATUSB2				264	20
	1A2		PQE_DEFAULTEIHOURS		
PQE_CHECK_STATUSB3				264	
	1A3		PQE_DEFAULTEIMINUTES		
PQE_CHECKABENDED				266	
	1A3	80	PQE_DEFAULTEINOTHHMM		
PQE_CHECKEXEC				264	80
	568		PQE_DEFAULTEISYSTEM		
PQE_CHECKEXITRTN				264	40
	238		PQE_DEFAULTEXCEPTIONINTERVAL		
PQE_CHECKMODULENAME				264	
	230		PQE_DEFAULTFLAGS		
PQE_CHECKNAME				254	
	210		PQE_DEFAULTFLAGSB1		
PQE_CHECKOWNER				254	
	200		PQE_DEFAULTFLAGSB2		
PQE_CHECKOWNERNAME				255	
	200		PQE_DEFAULTFLAGSB3		
PQE_CHECKROUTINE_DELETE_ERROR				256	
	148	20	PQE_DEFAULTFLAGSB4		
PQE_CHECKROUTINE_INIT_ERROR				257	
	148	40	PQE_DEFAULTHOURS		
PQE_CHECKROUTINEINCONTROL				250	
	1A1	4	PQE_DEFAULTINTERVAL		
PQE_CHECKRUNNING				250	
	1A1	80	PQE_DEFAULTMINUTES		
PQE_CHKPARMS_FLAGS				252	

Name	Hex Offset	Hex Value
PQE_DEFAULTPARMAREA	3F4	
PQE_DEFAULTPARMLEN	260	
PQE_DEFAULTREASON	374	
PQE_DEFAULTREASON_LEN	374	
PQE_DEFAULTREASON_STRING	376	
PQE_DEFAULTREASONLENGTH	374	
PQE_DEFAULTREASONTEXT	376	
PQE_DEFAULTSEVERITY	24C	
PQE_DELETE	800	FFFFFF
PQE_DELETING	1A0	20
PQE_DIAG	138	
PQE_DIAG_FROM	1A3	70
PQE_DIAG_FROM_ABEND	1A3	40
PQE_DIAG_FROM_CHECKROUTINE	1A3	10
PQE_DIAG_FROM_HC	1A3	20
PQE_DIAG1	138	
PQE_DIAG2	13C	
PQE_DO_NOT_CALL_FLAGS	148	
PQE_DO_NOT_CALL_FLAGS_BYCHECK	149	
PQE_DO_NOT_CALL_FLAGS_BYHC	148	
PQE_DO_NOT_CALL_FLAGS_BYHC_TRANSIENT	14B	
PQE_DO_NOT_CALL_FLAGS_BYUSER	14A	
PQE_DO_NOT_CALL_FLAGS_NOT_TRANSIENT	148	
PQE_DOM_CHECK	254	20
PQE_DYNAMICAREA@	8	
PQE_DYNAMICAREAADDR	8	
PQE_EIHALF	538	20
PQE_EI HOURS	538	
PQE_EIMINUTES	53A	
PQE_EINOTHHHMM	538	80
PQE_EISYSTEM	538	40
PQE_ENTRY_CODE	248	
PQE_ENVIRONMENT	1C0	
PQE_ENVIRONMENT_NA	149	80
PQE_ENVIRONMENT_XCFLOCAL	1C0	80
PQE_ENVIRONMENT_XCFMONOPLEX	1C0	40
PQE_ERROR_THRESHOLD_EXCEEDED	148	80
PQE_ERROR_THRESHOLD_EXCEEDED_ABEND	148	8
PQE_EXCEPTIONINTERVAL	538	
PQE_FAIL_COUNT	100	
PQE_FAIL_COUNT_ABEND	1A2	8

Name	Hex Offset	Hex Value
PQE_FAIL_COUNT_NOTAVAIL	1A2	4
PQE_FORCED	1A1	20
PQE_FUNCTION_CODE	1A8	
PQE_FUNCTION_CODE_CHECK	800	2
PQE_FUNCTION_CODE_CLEANUP	800	3
PQE_FUNCTION_CODE_DELETE	800	FFFFFF
PQE_FUNCTION_CODE_INIT	800	1
PQE_GLOBAL_CHECK	254	80
PQE_GLOBALCHECK_ACTIVEELSEWHERE	14B	40
PQE_GLOBALCHECK_RANELSEWHERE	1A2	20
PQE_GLOBALCHECK_SYSNAME	124	
PQE_HIGHSEVERITY	800	C
PQE_HOURS	504	
PQE_ID	0	
PQE_INIT	800	1
PQE_INIT_CALLED	1A0	8
PQE_INITIALIZATIONINCOMPLETE	1A0	40
PQE_INTERNAL_USERPARMCHANGED	516	20
PQE_INTERVAL	504	
PQE_LASTBLOCKID	80	
PQE_LASTCPUTIME_CHECK	1B8	
PQE_LASTOUTSTANDINGEXCEPTIONS	1CC	
PQE_LASTRAN	12C	
PQE_LASTRESULT	1C4	
PQE_LASTUPDATEDBY_AREA	528	
PQE_LASTUPDATEDBY_COMMAND_0TO3	0	D6D4D4
PQE_LASTUPDATEDBY_COMMAND_4TO7	0	D5C440
PQE_LASTUPDATEDBY_HZSCHECK_HEADER	0	
PQE_LASTUPDATEDBY_HZSCHECK_JOBNAME	8	
PQE_LASTUPDATEDBY_HZSCHECK_STRUCTURE	0	
PQE_LASTUPDATEDBY_HZSCHECK_0TO3	0	E9E2C3
PQE_LASTUPDATEDBY_HZSCHECK_4TO7	0	C5C3D2
PQE_LASTUPDATEDBY_PARMLIB_HEADER	0	
PQE_LASTUPDATEDBY_PARMLIB_HZSPRMXX	8	
PQE_LASTUPDATEDBY_PARMLIB_STRUCTURE	0	
PQE_LASTUPDATEDBY_PARMLIB_0TO3	0	C1D9D4
PQE_LASTUPDATEDBY_PARMLIB_4TO7	0	C9C240
PQE_LASTUPDATEDBY_SYSTEM_AREA	0	
PQE_LASTUPDATEDBY_SYSTEM_0TO3	0	E8E2E3
PQE_LASTUPDATEDBY_SYSTEM_4TO7	0	D44040

HZSPQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PQE_LASTUPDATEDBY_TYPE	0		PQE_POLICYUPDATE_INACTIVE	516	10
PQE_LASTUPDATEDBY_TYPE_LEN	10	10	PQE_REASON	678	8
PQE_LASTUPDATEDBY_TYPE_UNION	0		PQE_REASON_LEN	678	
PQE_LOOKATPARMS	516	40	PQE_REASON_STRING	678	
PQE_LOWSEVERITY	800	4	PQE_REASON_UNION	67A	
PQE_MAXCATEGORYENTRIES	800	10	PQE_REASONLEN	678	
PQE_MAXCPUPTIME_CHECK	1BC		PQE_REASONLENGTH	800	7E
PQE_MEDIUMSEVERITY	800	8	PQE_REASONTEXT	67A	
PQE_MINUTES	506		PQE_REFRESHING	1A2	10
PQE_MISSING_DOM_ERROR	148	10	PQE_REMOTE	1C0	20
PQE_MODIFIEDNOTBYPOLICY	1A0	4	PQE_REMOTECHECKUNSUCCESSFUL	1A3	4
PQE_MOREFLAGS	516		PQE_RESERVED2	A0	
PQE_MSGMODULENAME	240		PQE_RESERVED4	268	
PQE_MSGTABLENAME	240		PQE_RESERVED5	2E8	
PQE_MSGTIMESTAMP	88		PQE_RESERVED6	676	
PQE_NEEDTOAPPLYPOLICY	516	4	PQE_RESULT	134	
PQE_NEVER_RUN	1A1	1	PQE_RESULT_AND_DIAG	134	
PQE_NEXTSCHEDULED_ETOD	114		PQE_RESULT_HIGHSEVERITYEXCEPTIONS	800	C
PQE_NEXTSCHEDULED_EXTENDED_TOD	114		PQE_RESULT_LOWSEVERITYEXCEPTIONS	800	4
PQE_NEXTSCHEDULED_TOD	115		PQE_RESULT_MEDIUMSEVERITYEXCEPTIONS	800	8
PQE_NEXTSCHEDULED_TOD_HIGH	115		PQE_RESULT_NOEXCEPTIONS	800	0
PQE_NEXTSCHEDULED_TOD_LOW	119		PQE_REXX	1C0	10
PQE_NOSEVERITY	800	FF	PQE_REXX_FULL	14B	8
PQE_NOTALLCATEGORIESAPPLIED	516	80	PQE_REXX_NOTAVAIL	14B	10
PQE_NOTLOGGED	1A0	10	PQE_REXX_TOOBUSY	14B	8
PQE_NOTREALLYSCHEDULED	1A2	40	PQE_REXXHLQ	548	
PQE_NUMCATEGORIESDEFINED	570		PQE_REXXIN	254	40
PQE_ONSCHEDULEQUEUE	1A1	2	PQE_REXXPQECHKWORK_LEN	544	
PQE_OUTSTANDINGEXCEPTIONS	1A4		PQE_REXXTIMELIMIT	540	
PQE_PARM_ERROR	149	40	PQE_REXXTSONO	546	80
PQE_PARMAREA	6F8		PQE_SETTOFORCE	1A0	1
PQE_PARMERRORSDETECTED	1A0	80	PQE_SEVERITY	500	
PQE_PARMLEN	674		PQE_SEVERITY_NO_CHANGE	800	0
PQE_PARMLENGTH	800	100	PQE_STARTED_EXTENDED_TOD	104	
PQE_POLICYDATEEXCEPTION	1A1	10	PQE_STARTED_TOD	105	
PQE_POLICYDATEEXCEPTIONTEMP	1A1	8	PQE_STARTED_TOD_HIGH	105	
PQE_POLICYSYNCALEXCEPTION	1A2	2	PQE_STARTED_TOD_LOW	109	
PQE_POLICYSYNCALEXCEPTIONTEMP	1A2	1	PQE_STATUSRSVD	1D0	
PQE_POLICYUPDATE_ACTIVE			PQE_SYNCVALANYHOUR	550	40
			PQE_SYNCVALHHMM	550	80

Name	Hex Offset	Hex Value
PQE_SYNCVALHOURS	551	
PQE_SYNCVALMINUTES	552	
PQE_SYNCVALNOTSYSTEM	550	
PQE_SYSTEMSEVERITY	800	0
PQE_TEXT_STRING_GLOBAL	162	
PQE_TEXT_STRING_LOCALE	28	
PQE_TEXT_STRING_MODIFIEDBY	187	
PQE_TEXT_STRING_ORIGIN	20	
PQE_TEXT_STRING_REXX_DSNS	30	
PQE_TEXT_STRING_REXXIN_DSN	30	
PQE_TEXT_STRING_REXXOUT_DSN	58	
PQE_TEXT_STRING_SEVERITY	178	
PQE_TEXT_STRING_STATE	150	
PQE_TEXT_STRING_STATUS	168	
PQE_TEXT_STRING_WTOTYPE	17E	
PQE_TEXT_STRINGS	14C	
PQE_TEXT_STRING2	20	
PQE_TIME_EXCEPTIONINTERVAL	53C	
PQE_TIME_INTVL	140	
PQE_TIMER_RUNNING	1A1	40
PQE_UNEXPECTED_ERROR_HZSMMSG	1A2	80
PQE_UNEXPECTED_ERROR_STOP	149	20
PQE_UNION	14C	
PQE_UPDATESNOTYETMERGED	1A0	2
PQE_USER_DEBUG	511	
PQE_USER_VERBOSE	517	
PQE_USER_WTOTYPE	510	
PQE_USERCATEGORYSPECIFIED	513	80
PQE_USERDATE	508	
PQE_USERDATESPECIFIED	512	8
PQE_USERDEBUGSPECIFIED	513	40
PQE_USERDESCCODE	514	
PQE_USERDESCCODESPECIFIED	512	20
PQE_USEREXCEPTIONINTERVALSPECIFIED	513	10
PQE_USERHOURS	504	
PQE_USERINTERVAL	504	
PQE_USERINTERVALSPECIFIED	512	1
PQE_USERMINUTES	506	

Name	Hex Offset	Hex Value
PQE_USERPARMAREA	6F8	
PQE_USERPARMCHANGEDSINCELASTTIME	516	40
PQE_USERPARMLEN	674	
PQE_USERPARMSPECIFIED	512	2
PQE_USERREASON	678	
PQE_USERREASON_LEN	678	
PQE_USERREASON_STRING	67A	
PQE_USERREASONLENGTH	678	
PQE_USERREASONSPECIFIED	512	4
PQE_USERREASONTEXT	67A	
PQE_USERREXXTIMELIMITSPECIFIED	513	8
PQE_USERROUTCODE	518	
PQE_USERROUTCODESPECIFIED	512	10
PQE_USERSEVERITY	500	
PQE_USERSEVERITYSPECIFIED	512	80
PQE_USERSPECIFIED_FLAGS	512	
PQE_USERSPECIFIED_FLAGS0	512	
PQE_USERSPECIFIED_FLAGS1	513	
PQE_USERVERBOSESPECIFIED	513	20
PQE_USERWTOTYPESPECIFIED	512	40
PQE_USS_NOTAVAIL	14B	20
PQE_VERBOSE	517	
PQE_VERBOSE_NO	800	0
PQE_VERBOSE_YES	800	8
PQE_VERSION	4	
PQE_WAITINGFORPRIORTOBEDELETED	14B	80
PQE_WAITINGFORTIMERPOP	1A1	40
PQE_WTO_DESCCODE	514	
PQE_WTO_NUM_OUTSTANDING	14C	
PQE_WTO_ROUTCODE	518	
PQE_WTO_WORKAREA	14C	
PQE_WTOTYPE	510	
PQE_WTOTYPE_CRITICAL	800	10
PQE_WTOTYPE_EVENTUAL	800	C
PQE_WTOTYPE_HARDCOPY	800	4
PQE_WTOTYPE_INFO	800	8
PQE_WTOTYPE_NO_CHANGE	800	0
PQE_WTOTYPE_NONE	800	FF
PQECHKINFO	200	

HZSPQE Cross Reference

Name	Hex Offset	Hex Value
PQECHKPARMS	500	
PQECHKWORK	800	
PQEHEADER	0	
PQEMSGINFO	80	
PQESTATUS	100	

HZSQUAA Information

HZSQUAA Programming Interface information

Programming Interface information

HZSQUAA

End of Programming Interface information

HZSQUAA Heading Information • HZSQUAA Map

HZSQUAA Heading Information

Common Name: HZSQUERY Return Information
Macro ID: HZSQUAA
DSECT Name: HZSQUAAHDR HZSQUAAHDR64 HZSQUAAC HZSQUAAC1 HZSQUAAG HZSQUAACS
Owning Component: IBM Health Checker (SCHZS)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
 Key: Caller-supplied
 Residency: Caller-supplied
Size: Variable
 HZSQUAAHDR -- X'0080' bytes
 HZSQUAAHDR64 -- X'00C0' bytes
 HZSQUAAC -- X'1018' bytes
 HZSQUAAC1 -- X'1040' bytes
 HZSQUAAG -- X'01E0' bytes
 HZSQUAACS -- X'0050' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on HZSQUERY
Pointed to by: HZSQUERY parameter list
Serialization: None required
Function: The returned output consists of a header (HZSQUAAHDR or HZSQUAAHDR64) and zero or more contiguous check entries, each mapped by HZSQUAAC or HZSQUAAC1. The first is pointed to by field HzsquaaHQuaaC(1)Addr or HzsquaaH64QuaaC(1)Addr in the header. Note that the length of the HZSQUAAC(1) entries vary according to the type of entry and the OutputStyle.

HZSQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSQUAAHDR	Header section when Ansarea was specified on HZSQUERY
0	(0)	SIGNED	4	HZSQUAAHTLEN	Total length of answer area needed to contain all of the requested information. This includes the area for the records that were returned on this call. A value of x'FFFFFFFF' indicates that the amount of data to be returned exceeds 2G and you need either to request less data or provide a larger area and use the ANSLEN64 / ANSAREA64 parameters.
4	(4)	CHARACTER	4		Reserved
8	(8)	SIGNED	4	HZSQUAAHNUMQUAAC	Number of HZSQUAAC entries which follow. Each entry contains the length of that entry. That length should be used to get from that entry to the next entry. This field will be non-zero only for REQUEST=CHECKINFO. Use when QUAACVER=0.
8	(8)	SIGNED	4	HZSQUAAHNUMQUAAC1	Number of HZSQUAAC1 entries which follow. Each entry contains the length of that entry. That length should be used to get from that entry to the next entry. This field will be non-zero only for REQUEST=CHECKINFO. Use when QUAACVER=1.
12	(C)	ADDRESS	4	HZSQUAAHQAAACADDR	Address of first HZSQUAAC Use when QUAACVER=0.
12	(C)	ADDRESS	4	HZSQUAAHQAAAC1ADDR	Address of first HZSQUAAC1. Use when QUAACVER=1.
16	(10)	SIGNED	4	HZSQUAAHNUMHCKL	Number of HZSZHCKL entries which follow. Each entry contains the length of that entry in field HckLog_BufLen. That length should be used to get from that entry to the next entry. This field will be non-zero only for REQUEST=MSGBUFF
20	(14)	ADDRESS	4	HZSQUAAHHCKLADDR	Address of first HZSZHCKL
24	(18)	CHARACTER	8	HZSQUAAHNONINTERFACE1	Not part of the intended interface
32	(20)	SIGNED	4	HZSQUAAHNUMQUAAG	Number of HZSQUAAG entries which follow. It will be either 0 or 1
36	(24)	ADDRESS	4	HZSQUAAHQAAAGADDR	Address of the HZSQUAAG entry when HzsquaaHNumQuaaG is not 0
40	(28)	CHARACTER	8		Reserved
48	(30)	CHARACTER	26	HZSQUAAHLOGSTREAMNAME	The logstream that HC is currently using. This is not provided for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
74	(4A)	CHARACTER	4		Reserved
78	(4E)	BITSTRING	2	HZSQUAAHFLAGS	
78	(4E)	BITSTRING	1	HZSQUAAHFLAGSBYTE0	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Bit definitions:					
End of Comment					
		1... ..		HZSQUAAH_MSGBUFFWRONGINSTANCE	"X'80" The MSGTOKEN designated a previous instance of the check's output. The data returned corresponds to the current instance of the check's output. This does not apply for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
		.1.. ..		HZSQUAAH_MSGBUFFINSTANCECURRENT	"X'40" The data returned is for the current instance of the check's output. This will not be set for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
		..1.		HZSQUAAH_MSGBUFFINCOMPLETE	"X'20" When retrieving for INSTANCE=LOGSTREAM, the system found that not all records for this check iteration were available to be retrieved from the logstream, and so returned just what was available
79	(4F)	BITSTRING	1	HZSQUAAHFLAGSBYTE1	
80	(50)	CHARACTER	8	HZSQUAAHPROCNAME	Name of PROC used. This is not provided for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
88	(58)	CHARACTER	8	HZSQUAAHSTID	Started Task ID. This is not provided for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
96	(60)	CHARACTER	16	HZSQUAAHDIAG	Diagnostic data. Valid only when documented for specific reason codes
112	(70)	CHARACTER	16		Reserved

Comment					
Constants used within HZSQUERY					
End of Comment					
112	(70)	X'80'	0	HZSQUERY_MIN_ANSLEN	"128"
112	(70)	X'80'	0	HZSQUAAHDR_LEN	"*-HZSQUAAHDR"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	HZSQUAAHDR64	Header section when Ansarea64 was specified on HZSQUERY
0	(0)	SIGNED	8	HZSQUAAH64TLEN	Total length of answer area needed to contain all of the requested information. This includes the area for the records that were returned on this call.
8	(8)	SIGNED	8	HZSQUAAH64NUMQUAAC	Number of HZSQUAAC entries which follow. Each entry contains the length of that entry. That length should be used to get from that entry to the next entry. This field will be non-zero only for REQUEST=CHECKINFO. Use when QUAACVER=0.
8	(8)	SIGNED	8	HZSQUAAH64NUMQUAAC1	Number of HZSQUAAC1 entries which follow. Each entry contains the length of that entry. That length should be used to get from that entry to the next entry. This field will be non-zero only for REQUEST=CHECKINFO. Use when QUAACVER=1.
16	(10)	ADDRESS	8	HZSQUAAH64QUAACADDR	Address of first HZSQUAAC. Use when QUAACVER=0.
16	(10)	ADDRESS	8	HZSQUAAH64QUAAC1ADDR	Address of first HZSQUAAC1. Use when QUAACVER=1.
24	(18)	SIGNED	8	HZSQUAAH64NUMHCKL	Number of HZSZHCKL entries which follow. Each entry contains the length of that entry in field HckLog_BufLen. That length should be used to get from that entry to the next entry. This field will be non-zero only for REQUEST=MSGBUFF
32	(20)	ADDRESS	8	HZSQUAAH64HCKLADDR	Address of first HZSZHCKL
40	(28)	CHARACTER	16	HZSQUAAH64NONINTERFACE1	Not part of the intended interface
56	(38)	SIGNED	8	HZSQUAAH64NUMQUAAG	Number of HZSQUAAG entries which follow. It will be either 0 or 1
64	(40)	ADDRESS	8	HZSQUAAH64QUAAGADDR	Address of the HZSQUAAG entry when HzsQuaaH64NumQuaaG is not 0
72	(48)	CHARACTER	26	HZSQUAAH64LOGSTREAMNAME	The logstream that HC is currently using. This is not provided for REQUEST=MSGBUFF INSTANCE=LOGSTREAM

HZSQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
98	(62)	BITSTRING	2	HZSQUAAH64FLAGS	
98	(62)	BITSTRING	1	HZSQUAAH64FLAGSBYTE0	
Comment					
Bit definitions:					
End of Comment					
		1... ..		HZSQUAAH64_MSGBUFFWRONGINSTANCE	"X'80" The MSGTOKEN designated a previous instance of the check's output. The data returned corresponds to the current instance of the check's output. This does not apply for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
		.1.. ..		HZSQUAAH64_MSGBUFFINSTANCEISCURRENT	"X'40" The data returned is for the current instance of the check's output. This will not be set for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
		..1.		HZSQUAAH64_MSGBUFFINCOMPLETE	"X'20" When retrieving for INSTANCE=LOGSTREAM, the system found that not all records for this check iteration were available to be retrieved from the logstream, and so returned just what was available
99	(63)	BITSTRING	1	HZSQUAAH64FLAGSBYTE1	
100	(64)	CHARACTER	4		Reserved
104	(68)	CHARACTER	8	HZSQUAAH64PROCNAME	Name of PROC used. This is not provided for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
112	(70)	CHARACTER	8	HZSQUAAH64STID	Started Task ID. This is not provided for REQUEST=MSGBUFF INSTANCE=LOGSTREAM
120	(78)	CHARACTER	16	HZSQUAAH64DIAG	Diagnostic data. Valid only when documented for specific reason codes
136	(88)	CHARACTER	56		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Constants used within HZSQUERY					
End of Comment					
136	(88)	X'CO'	0	HZSQUERY_MIN_ANSLEN64	"192"
136	(88)	X'CO'	0	HZSQUAAHDR64_LEN	"*-HZSQUAAHDR64"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSQUAAC	Check entry
0	(0)	CHARACTER	24	HZSQUAACHDR	Header of Check Entry
0	(0)	SIGNED	2	HZSQUAACLEN	Length of this entry. Add this length to the address of this entry to get the address of the next entry
2	(2)	BITSTRING	1	HZSQUAACTYPE	Type of this check See equates of the form HzsquaaCType_xxx
3	(3)	CHARACTER	5		Reserved
8	(8)	CHARACTER	16	HZSQUAACMSGTOKEN	The token to be used by HZSQUERY REQUEST=MSGBUFF to obtain the first message buffer associated with the specified check. Valid only for a check for which HzsquaaCType is HzsquaaCType_NotDeleted
8	(8)	CHARACTER	8		
16	(10)	SIGNED	4	HZSQUAAC_CHECKHASRUNCOUNT	This corresponds to PQE_Cum_Check_Count within HZSPQE
20	(14)	CHARACTER	4		
24	(18)	CHARACTER	4096	HZSQUAACDATA	The format of the check data depends on the type of the check.
24	(18)	CHARACTER	4096	HZSQUAACDATA_PQE	When OutputStyle=FULL is in effect and HzsquaaCType is HzsquaaCType_NotDeleted or HzsquaaCType_DeletePending, HzsquaaCData is mapped by HZSPQE
24	(18)	CHARACTER	2048	HZSQUAACDATA_NO_CHKWORK_PQE	When OutputStyle=NO_CHKWORK is in effect and HzsquaaCType is HzsquaaCType_NotDeleted or HzsquaaCType_DeletePending, HzsquaaCData is mapped by HZSPQE up to but not including the PQE_CHKWORK field
24	(18)	CHARACTER	1024	HZSQUAACDATA_DPQE	When OutputStyle=FULL or OutputStyle=NO_CHKWORK is in effect, and when HzsquaaCType is HzsquaaCType_Deleted, HzsquaaCData is mapped by HZSDPQE
24	(18)	CHARACTER	80	HZSQUAACDATA_QUAACs	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4120	(1018)	X'0'	0	HZSQUAACTYPE_NOTDELETED	When OutputStyle=SHORT is requested, HzsquaaCData is mapped by DSECT HZSQUAACS "0"
4120	(1018)	X'1'	0	HZSQUAACTYPE_DELETEPENDING	"1"
4120	(1018)	X'2'	0	HZSQUAACTYPE_DELETED	"2"
4120	(1018)	X'1018'	0	HZSQUAAC_LEN	** -HZSQUAAC"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSQUAAC1	Check entry
0	(0)	CHARACTER	64	HZSQUAAC1HDR	Header of Check Entry
0	(0)	CHARACTER	24	HZSQUAAC1HDR0	
0	(0)	SIGNED	2	HZSQUAAC1LEN	Matches QuaacHdr Length of this entry. Add this length to the address of this entry to get the address of the next entry. This field is ignored when it is part of an input QUAAC1HDR, and is not set when it is part of an output QUAAC1HDR
2	(2)	BITSTRING	1	HZSQUAAC1TYPE	Type of this check See equates of the form HzsquaaC1Type_xxx This field is ignored when it is part of an input QUAAC1HDR, and is not set when it is part of an output QUAAC1HDR
3	(3)	CHARACTER	5		Reserved
8	(8)	CHARACTER	16	HZSQUAAC1MSGTOKEN	The token to be used by HZSQUERY REQUEST=MSGBUFF to obtain the first message buffer associated with the specified check. Valid only for a check for which HzsquaaC1Type is HzsquaaC1Type_NotDeleted. This field is ignored when it is part of an input QUAAC1HDR, and is not set when it is part of an output QUAAC1HDR
24	(18)	CHARACTER	40	HZSQUAAC1HDR1	More after QuaacHdr
24	(18)	CHARACTER	8	HZSQUAAC1LOGSTREAMBLOCKID	This is the block ID of the first log block produced by the previous iteration of the check. If the value is 0's there is no previous block and you should not attempt to retrieve this non-existent block via HZSQUERY
32	(20)	CHARACTER	26	HZSQUAAC1LOGSTREAMNAME	This is the name of the logstream into which the first log block produced by the previous iteration of the check was written
58	(3A)	CHARACTER	6		Reserved
64	(40)	CHARACTER	4096	HZSQUAAC1DATA	The format of the check data depends on the type of the check.
64	(40)	CHARACTER	4096	HZSQUAAC1DATA_PQE	When OutputStyle=FULL is in effect and HzsquaaC1Type is HzsquaaC1Type_NotDeleted or HzsquaaC1Type_DeletePending, HzsquaaC1Data is mapped by HZSPQE
64	(40)	CHARACTER	2048	HZSQUAAC1DATA_NO_CHKWORK_PQE	When OutputStyle=NO_CHKWORK is in effect and HzsquaaC1Type is HzsquaaC1Type_NotDeleted or HzsquaaC1Type_DeletePending, HzsquaaC1Data is mapped by HZSPQE up to but not including the PQE_CHKWORK field
64	(40)	CHARACTER	1024	HZSQUAAC1DATA_DPQE	When HzsquaaC1Type is HzsquaaC1Type_Deleted, HzsquaaC1Data is mapped by HZSDPQE
64	(40)	CHARACTER	80	HZSQUAAC1DATA_QUAACS	When OutputStyle=SHORT is requested, HzsquaaC1Data is mapped by DSECT HZSQUAACS
4160	(1040)	X'0'	0	HZSQUAAC1TYPE_NOTDELETED	"0"
4160	(1040)	X'1'	0	HZSQUAAC1TYPE_DELETEPENDING	"1"
4160	(1040)	X'2'	0	HZSQUAAC1TYPE_DELETED	"2"
4160	(1040)	X'1040'	0	HZSQUAAC1_LEN	** -HZSQUAAC1"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSQUAAG	Summary Entry
0	(0)	CHARACTER	16	HZSQUAAGHDR	

HZSQUAA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	16		
16	(10)	CHARACTER	6		Reserved
22	(16)	SIGNED	2	HZSQUAAGNUMPARMLIBMEMBERSUFFIXES	
24	(18)	CHARACTER	248	HZSQUAAGPARMLIBMEMBERSUFFIXES	Contains the parmlib member suffixes. Each is two characters long. The N suffixes indicated by the NumParmlibMemberSuffixes field, occupy the first 2*N bytes of the area
272	(110)	SIGNED	4	HZSQUAAGNUMCHECKSNOTDELETED	Number of checks that are not deleted and are not delete pending
276	(114)	SIGNED	4	HZSQUAAGNUMCHECKSDELETED	Number of checks that are deleted (they are no longer delete pending)
280	(118)	SIGNED	4	HZSQUAAGNUMCHECKSDELETEPENDING	Number of checks that are delete pending (they are not yet deleted)
284	(11C)	SIGNED	4	HZSQUAAGNUMCHECKSELIGIBLE	Number of checks that are eligible to run when their next time interval arrives
288	(120)	SIGNED	4	HZSQUAAGNUMCHECKSCURRENTLYRUNNING	
292	(124)	SIGNED	4	HZSQUAAGNUMCHECKSINELIGIBLE	Number of checks (ignoring those that are deleted or delete pending) that are not eligible to run. Among the reasons for not being eligible to run are: Check was the target of a DEACTIVATE command or was updated to the INACTIVE state. Check determined that this was the wrong environment. Check experienced repeated errors. Check detected an error in its input PARM value(s).
296	(128)	CHARACTER	16	HZSQUAAGPOLICYNAME	The name of the currently active policy
312	(138)	SIGNED	4	HZSQUAAGNUMEXCEPTIONSOUTSTANDING	
316	(13C)	SIGNED	4	HZSQUAAGNUMEXCEPTIONSSEVNONE	
320	(140)	SIGNED	4	HZSQUAAGNUMEXCEPTIONSSEVLOW	
324	(144)	SIGNED	4	HZSQUAAGNUMEXCEPTIONSSEVMEDIUM	
328	(148)	SIGNED	4	HZSQUAAGNUMEXCEPTIONSSEVHIGH	
332	(14C)	SIGNED	4	HZSQUAAGNUMPDATARECORDS	The number of 80-byte persistent data records to be written to the HZSPDATA data set when the next write is done.
336	(150)	CHARACTER	8	HZSQUAAGTIMESINCESTART	In STCK units
344	(158)	CHARACTER	8	HZSQUAAGNUMMIXGWITES	The number of logstream writes that have been done or that would have been done if logger had been available
352	(160)	CHARACTER	8	HZSQUAAGNUMBYTESIXGWRITE	The number of bytes that have been written to the logstream or that would have been written if logger had been available
360	(168)	CHARACTER	120		Reserved
360	(168)	X'1E0'	0	HZSQUAAG_LEN	"*-HZSQUAAG"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HZSQUAACS	Short Check entry
0	(0)	CHARACTER	48	HZSQUAACS_CHECKOWNERNAME	
0	(0)	CHARACTER	16	HZSQUAACS_CHECKOWNER	owning company and/or component
16	(10)	CHARACTER	32	HZSQUAACS_CHECKNAME	check name
48	(30)	CHARACTER	8	HZSQUAACS_DEFAULTDATE	Date of Default parm YYYYMMDD. Valid only when HzsquaaCType is HzsquaaCType_NotDeleted
56	(38)	CHARACTER	8	HZSQUAACS_LASTRAN	When the check last ran, in STCK format. Valid only when HzsquaaCType is HzsquaaCType_NotDeleted
64	(40)	SIGNED	4	HZSQUAACS_LASTRESULT	Result from the last check invocation (See equates PQE_Result_xxx in macro HZSPQE) =0, No exceptions found (Or SEV(None) w/exceptions) =4, SEV(L) Exception found =8, SEV(M) Exception found =12, SEV(H) Exception found. Valid only when HzsquaaCType is HzsquaaCType_NotDeleted
68	(44)	SIGNED	4	HZSQUAACS_LASTOUTSTANDINGEXCEPTIONS	Number of outstanding exceptions from the last check invocation. Valid only when HzsquaaCType is HzsquaaCType_NotDeleted
72	(48)	CHARACTER	8		Reserved
72	(48)	X'50'	0	HZSQUAACS_LEN	"*-HZSQUAACS"

HZSQUAA Cross Reference

Name	Hex Offset	Hex Value
HZSQUAAC	0	
HZSQUAAC_CHECKHASRUNCOUNT	10	
HZSQUAAC_LEN	1018	1018
HZSQUAACDATA	18	
HZSQUAACDATA_DPQE	18	
HZSQUAACDATA_NO_CHKWORK_PQE	18	
HZSQUAACDATA_PQE	18	
HZSQUAACDATA_QUAACS	18	
HZSQUAACHDR	0	
HZSQUAACLEN	0	
HZSQUAACMSGTOKEN	8	
HZSQUAACS	0	
HZSQUAACS_CHECKNAME	10	
HZSQUAACS_CHECKOWNER	0	
HZSQUAACS_CHECKOWNERNAME	0	
HZSQUAACS_DEFAULTDATE	30	
HZSQUAACS_LASTOUTSTANDINGEXCEPTIONS	44	
HZSQUAACS_LASTRAN	38	
HZSQUAACS_LASTRESULT	40	
HZSQUAACS_LEN	48	50
HZSQUAACTYPE	2	
HZSQUAACTYPE_DELETED	1018	2
HZSQUAACTYPE_DELETEPENDING	1018	1
HZSQUAACTYPE_NOTDELETED	1018	0
HZSQUAAC1	0	
HZSQUAAC1_LEN	1040	1040
HZSQUAAC1DATA	40	
HZSQUAAC1DATA_DPQE	40	
HZSQUAAC1DATA_NO_CHKWORK_PQE	40	
HZSQUAAC1DATA_PQE	40	
HZSQUAAC1DATA_QUAACS	40	
HZSQUAAC1HDR	0	
HZSQUAAC1HDR0	0	
HZSQUAAC1HDR1	18	
HZSQUAAC1LEN	0	
HZSQUAAC1LOGSTREAMBLOCKID	18	
HZSQUAAC1LOGSTREAMNAME	20	
HZSQUAAC1MSGTOKEN	8	
HZSQUAAC1TYPE	2	
HZSQUAAC1TYPE_DELETED	1040	2
HZSQUAAC1TYPE_DELETEPENDING	1040	1

Name	Hex Offset	Hex Value
HZSQUAAC1TYPE_NOTDELETED	1040	0
HZSQUAAG	0	
HZSQUAAG_LEN	168	1E0
HZSQUAAGHDR	0	
HZSQUAAGNUMBYTESIXGWRITE	160	
HZSQUAAGNUMCHECKSCURRENTLYRUNNING	120	
HZSQUAAGNUMCHECKSDELETED	114	
HZSQUAAGNUMCHECKSDELETEPENDING	118	
HZSQUAAGNUMCHECKSELIGIBLE	11C	
HZSQUAAGNUMCHECKSINELIGIBLE	124	
HZSQUAAGNUMCHECKSNOTDELETED	110	
HZSQUAAGNUMEXCEPTIONSOUTSTANDING	138	
HZSQUAAGNUMEXCEPTIONSSEVHIGH	148	
HZSQUAAGNUMEXCEPTIONSSEVLOW	140	
HZSQUAAGNUMEXCEPTIONSSEVMEDIUM	144	
HZSQUAAGNUMEXCEPTIONSSEVNONE	13C	
HZSQUAAGNUMIXGWITES	158	
HZSQUAAGNUMPARMLIBMEMBERSUFFIXES	16	
HZSQUAAGNUMPDATARECORDS	14C	
HZSQUAAGPARMLIBMEMBERSUFFIXES	18	
HZSQUAAGPOLICYNAME	128	
HZSQUAAGTIMESINCESTART	150	
HZSQUAAH_MSGBUFFINCOMPLETE	4E	20
HZSQUAAH_MSGBUFFINSTANCEISCURRENT	4E	40
HZSQUAAH_MSGBUFFWRONGINSTANCE	4E	80
HZSQUAAHDIAG	60	
HZSQUAAHDR	0	
HZSQUAAHDR_LEN	70	80
HZSQUAAHDR64	0	
HZSQUAAHDR64_LEN	88	C0
HZSQUAAHFLAGS	4E	
HZSQUAAHFLAGSBYTE0	4E	
HZSQUAAHFLAGSBYTE1	4F	
HZSQUAAHHCKLADDR	14	
HZSQUAAHLOGSTREAMNAME	30	
HZSQUAAHNONINTERFACE1	18	
HZSQUAAHNUMHCKL	10	
HZSQUAAHNUMQUAAC	8	
HZSQUAAHNUMQUAAC1	8	

HZSQUAA Cross Reference

Name	Hex Offset	Hex Value
HZSQUAAHNUMQUAAG	20	
HZSQUAAHPROCNAME	50	
HZSQUAAHQAAACADDR	C	
HZSQUAAHQAAAC1ADDR	C	
HZSQUAAHQAAAGADDR	24	
HZSQUAAHSTID	58	
HZSQUAAHTLEN	0	
HZSQUAAH64_MSGBUFFINCOMPLETE	62	20
HZSQUAAH64_MSGBUFFINSTANCEISCURRENT	62	40
HZSQUAAH64_MSGBUFFWRONGINSTANCE	62	80
HZSQUAAH64DIAG	78	
HZSQUAAH64FLAGS	62	
HZSQUAAH64FLAGSBYTE0	62	
HZSQUAAH64FLAGSBYTE1	63	
HZSQUAAH64HCKLADDR	20	
HZSQUAAH64LOGSTREAMNAME	48	
HZSQUAAH64NONINTERFACE1	28	
HZSQUAAH64NUMHCKL	18	
HZSQUAAH64NUMQUAAC	8	
HZSQUAAH64NUMQUAAC1	8	
HZSQUAAH64NUMQUAAG	38	
HZSQUAAH64PROCNAME	68	
HZSQUAAH64QUAACADDR	10	
HZSQUAAH64QUAAC1ADDR	10	
HZSQUAAH64QUAAGADDR	40	
HZSQUAAH64STID	70	
HZSQUAAH64TLEN	0	
HZSQUERY_MIN_ANSLN	70	80
HZSQUERY_MIN_ANSLN64	88	C0

HZSZCONS Information

HZSZCONS Programming Interface information

Programming Interface information

HZSZCONS

End of Programming Interface information

HZSZCONS Heading Information • HZSZCONS Map

HZSZCONS Heading Information

Common Name: HZSxxxxx Return/Reason code constants
Macro ID: HZSZCONS
DSECT Name: None
Owning Component: IBM Health Checker (SCHZS)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: Caller-supplied
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: Provide equates for return and reason codes.

HZSZCONS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	BITSTRING	0	HZSRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code or abend reason code
Comment					
General abend reason code definitions					
End of Comment					
0	(0)	X'4FFF'	0	HZSABEND_DELETEFORCE	"20479" DELETE FORCE=YES was requested against a running check
0	(0)	X'4FFE'	0	HZSABEND_SUBTASKS	"20478" Upon completion of calling the check routine, one or more subtasks exist
Comment					
End of General abend reason code definitions					
End of Comment					
0	(0)	BITSTRING	0	HZSADDCKRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
HZSADDCK Return and Reason Code definitions					
End of Comment					
		.... ....		HZSADDCKRC_OK	"X'00000000" Meaning: The check was added to IBM Health Checker for z/OS. Action: None required
		.... .1..		HZSADDCKRC_WARN	"X'00000004" Meaning: Warning Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSADDCKRSN_CHECKREPLACED	"X'00000401" Meaning: The check replaced an active check that had an earlier date. Action: None required.
0	(0)	BITSTRING	0	HZSADDCKRSN_CHECKINACTIVE	"X'00000402" Meaning: The check was added but will not run until its state is changed to active. Action: None required
0	(0)	BITSTRING	0	HZSADDCKRSN_CHECKIDENTICAL	"X'00000414" Meaning: Check was not activated because a check with the specified name is already active. Action: None required
		.... 1...		HZSADDCKRC_INVPARM	"X'00000008" Meaning: HZSADDCK request specifies incorrect parameters. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSADDCKRSN_CHECKKOLD	"X'00000801" Meaning: The check was not added because a check with the same name is already being added. That other check has a more recent date than the date provided for this request. Action: Avoid adding the same check twice, or make sure that the single version of the check that you want to run has the most current date.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADCHECKROUTINE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSADDCKRSN_BADMESSAGE	"X'00000804" Meaning: This reason code is not part of the programming interface. Action: None.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADENV	"X'00000805" Meaning: This reason code is not part of the programming interface. Action: None.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADCHECKNAME	"X'00000808" Meaning: HZSADDCK for a REMOTE=NO check must be called only from an exit routine associated with the HZSADDCKCHECK exit. HZSADDCK for a REXX=YES check may not be issued by a user program. Action: Issue HZSADDCK only from a supported environment.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADOWNERNAME	"X'00000809" Meaning: The check name contained invalid characters. Action: Specify a valid check name.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADDATE	"X'0000080A" Meaning: The check owner contained invalid characters. Action: Specify a valid check owner.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADREASONLEN	"X'0000080B" Meaning: The date was not in the format YYYYMMDD or is after today's date. Action: Specify a valid date.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADEXITROUTINE	"X'0000080C" Meaning: The REASONLEN value is either 0 or exceeds the maximum of 256. Action: Specify a valid value for the REASONLEN parameter.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADTIME	"X'0000080D" Meaning: The exit routine name was all zeroes or all blanks. Action: Specify a valid exit routine.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPARMLIST	"X'0000080E" Meaning: The hours value exceeded 999 or the minutes value exceeded 60. Action: Specify valid hours and minutes values.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPARMLISTVERSION	"X'00000818" Meaning: Error accessing parameter list. Action: Make sure that the provided parameter list is valid.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPARMSAREA	"X'00000838" Meaning: The specified version of the macro is not compatible with the current version of IBM Health Checker for z/OS. Action: Avoid requesting parameters that are not supported by this version of IBM Health Checker for z/OS.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADREASONAREA	"X'00000841" Meaning: Error accessing the PARMS area. Action: Make sure that the provided PARMS area is valid.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPARMSLEN	"X'00000842" Meaning: Error accessing the REASON area. Action: Make sure that the provided REASON area is valid.
0	(0)	BITSTRING	0	HZSADDCKRSN_NOTAUTHORIZED	"X'0000084F" Meaning: The PARMSLEN value is either 0 or exceeds the maximum of 256. Action: Specify a valid value for the PARMSLEN parameter.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADEXCEPTIONINTERVAL	"X'00000859" Meaning: Caller is not authorized Action: Avoid calling HZSADDCK when not authorized.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPETOKEN	"X'00000862" Meaning: The EIHOURLS value exceeded 999 or the EIMINUTES value exceeded 60. Action: Specify valid hours and minutes values.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPETOKENHOME	"X'00000863" Meaning: The PEToken is not one obtained using authlvl of IEA_UNAUTHORIZED. Action: Specify a valid PEToken.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPETOKENSTATE	"X'0000086A" Meaning: The PEToken is not one obtained in the HOME address space. Action: Specify a valid PEToken.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPETOKENVALUE	"X'0000086B" Meaning: The PEToken is not in a state ready to be used for a PAUSE. Action: Specify a valid PEToken.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPETOKENSERVICE	"X'0000086C" Meaning: The PEToken appears corrupted. Action: Specify a valid PEToken.
		.... 11..		HZSADDCKRC_ENVERROR	"X'0000000C" Meaning: Environmental Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSADDCKRSN_IBMHCNOTACTIVE	"X'00000C01" Meaning: IBM Health Checker for z/OS is not active Action: Re-issue the request when the service is available
		...1		HZSADDCKRC_COMPERROR	"X'00000010" Meaning: Component Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSADDCKRSN_BADPETOKENSERVICE	

HZSZCONS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSADDCKRSN_INTERROR	"X'0000106D" Meaning: Unexpected error. Action: Ensure a valid PEToken has been specified. If this error repeats, contact IBM Support.
					"X'00001001" Meaning: Unexpected internal error Action: Report the problem to the system programmer
Comment					
End of HZSADDCK Return and Reason Code definitions					
End of Comment					
0	(0)	BITSTRING	0	HZSCHECKRSN_CODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
HZSCHECK Return and Reason Code definitions					
End of Comment					
		.... ....		HZSCHECKRC_OK	"X'00000000" Meaning: SECHECKONLY=YES was requested and the request passed the security check. Action: None required.
		.... .1..		HZSCHECKRC_WARN	"X'00000004" Meaning: Warning Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSCHECKRSN_COMMANDQUEUED	"X'00000400" Meaning: The specified HZSCHECK will be completed asynchronously Action: None needed
		.... 1...		HZSCHECKRC_INVPARM	"X'00000008" Meaning: HZSCHECK request specifies incorrect parameters. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSCHECKRSN_NOTAUTHORIZED	"X'00000801" Meaning: Caller is not authorized Action: Avoid calling HZSCHECK when not authorized.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPARMLIST	"X'00000818" Meaning: Error accessing the parameter list Action: Make sure that the provided parameter list is valid.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADADDREPCATAREA	"X'00000829" Meaning: Error while reading the AddCat or RepCat array Action: Make sure that the provided area is valid.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADREMCATAREA	"X'0000082A" Meaning: Error while reading the RemCat array Action: Make sure that the provided area is valid.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPARMLISTVERSION	"X'00000838" Meaning: The specified version of the macro is not compatible with the current version of IBM Health Checker for z/OS. Action: Avoid requesting parameters that are not supported by this version of IBM Health Checker for z/OS.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPARMLISTALET	"X'00000847" Meaning: Bad parameter list ALET. Action: Make sure that the ALET associated with the parameter list is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPARMLISTVALUE	"X'0000084B" Meaning: A parameter list field contains an unsupported value. Action: Check for possible storage overlay
0	(0)	BITSTRING	0	HZSCHECKRSN_BADCATEGORYALET	"X'0000084C" Meaning: Bad category ALET. Action: Make sure that the ALET associated with the category area is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADCATEGORYAREA	"X'0000084D" Meaning: Error accessing category area. Action: Make sure that the provided category area is valid.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADADDREPCATALET	"X'00000853" Meaning: Bad ALET for AddCat or RepCat array. Action: Make sure that the ALET associated with the AddCat or RepCat array is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADREMCATALET	"X'00000854" Meaning: Bad ALET for RemCat array. Action: Make sure that the ALET associated with the RemCat array is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADNUMCAT	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSCHECKRSN_BADNUMADDREPREMCAT	"X'00000855" Meaning: Value provided by NUMCAT exceeds the limit of 16. Action: Avoid specifying more than the allowable number of categories.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADHANDLE	"X'00000856" Meaning: The total value provided by NUMADDCAT, NUMREPCAT, and NUMREMCAT exceeds the limit of 16. Action: Avoid specifying more than the allowable number of categories.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPETOKEN	"X'00000858" Meaning: The handle provided with the HANDLE parameter is not valid. Action: Specify the handle that was returned by the HZSADDCK macro if this is a REMOTE=YES REXX=NO check, or the handle in REXX variable hzs_handle if this is a REMOTE=YES REXX=YES check.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPQEAAREA	"X'00000863" Meaning: The PEToken is not one obtained using authlvl of IEA_UNAUTHORIZED. Action: Specify a valid PEToken.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPQEALET	"X'00000864" Meaning: Error while writing to the PQE area Action: Make sure that the provided area is valid.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPQECHKWORKAREA	"X'00000865" Meaning: Bad ALET for the PQE area. Action: Make sure that the ALET associated with the PQE area is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPQECHKWORKALET	"X'00000866" Meaning: Error while reading from the PqeChkWork area Action: Make sure that the provided area is valid.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPQECHKWORKALET	"X'00000867" Meaning: Bad ALET for the PqeChkWork area. Action: Make sure that the ALET associated with the PqeChkWork area is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPETOKENHOME	"X'0000086A" Meaning: The PEToken is not one obtained in the HOME address space. Action: Specify a valid PEToken.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPETOKENSTATE	"X'0000086B" Meaning: The PEToken is not in a state ready to be used for a PAUSE. Action: Specify a valid PEToken.
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPETOKENVALUE	"X'0000086C" Meaning: The PEToken appears corrupted. Action: Specify a valid PEToken.
		.... 11..		HZSCHECKRC_ENVERROR	"X'0000000C" Meaning: Environmental Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSCHECKRSN_IBMHCNOTACTIVE	"X'00000C01" Meaning: IBM Health Checker for z/OS is not active Action: For REQUEST=ADDNEW, no action is needed. For any other REQUEST option, re-issue the request when the service is available
0	(0)	BITSTRING	0	HZSCHECKRSN_BADCOMMANDENV	"X'00000C02" Meaning: The specified command cannot be specified from a HZSADDCK dynamic exit Action: Do Not issue a ADDNEW or REFRESH command from a HZSADDCK dynamic exit routine
0	(0)	BITSTRING	0	HZSCHECKRSN_BADREMOTENV	"X'00000C03" Meaning: For REQUEST=OPSTART or REQUEST=OPCOMPLETE, the call must be done only once after having been awakened to process a remote function. For that function, the call may be done only once. For REQUEST=OPSTART, the call must be done before the REQUEST=OPCOMPLETE call. Action: Avoid using REQUEST=OPSTART or REQUEST=OPCOMPLETE in an incorrect environment.
		...1		HZSCHECKRC_COMPERROR	"X'00000010" Meaning: Component Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSCHECKRSN_INTERROR	"X'00001001" Meaning: Unexpected internal error Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSCHECKRSN_BADPETOKENSERVICE	"X'0000106D" Meaning: Unexpected error. Action: Ensure a valid PEToken has been specified. If this error repeats, contact IBM Support.

Comment

End of HZSCHECK Return and Reason Code definitions

End of Comment

0	(0)	BITSTRING	0	HZSFMSGRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
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HZSZCONS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
HZSFMSG Return and Reason Code definitions					
End of Comment					
		.... ....		HZSFMSGRC_OK	"X'00000000" Meaning: The request completed successfully. Action: None required
		.... 1...		HZSFMSGRC_INVPARM	"X'00000008" Meaning: HZSFMSG request specifies incorrect parameters. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSFMSGRSN_ERRORLIMITEXCEEDED	"X'00000837" Meaning: The check routine has abended too many times, messages will not be processed. Action: Fix the check routine.
		.... 11..		HZSFMSGRC_ENVERROR	"X'0000000C" Meaning: Environmental Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSFMSGRSN_IBMHCNOTACTIVE	"X'00000C01" Meaning: IBM Health Checker for z/OS is not active Action: Re-issue the request when the service is available
		...1		HZSFMSGRC_COMPERROR	"X'00000010" Meaning: Component Error. An associated dump and logrec entry has been created using abend 290 and the reason code. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSFMSGRSN_INTERROR	"X'00001001" Meaning: Unexpected internal error Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGRSN_MSGTBLError	"X'00001013" Meaning: The message table could not be processed. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGRSN_PQE_NOTVALID	"X'00001014" Meaning: The Pqe control block could not be found. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGRSN_BADMSGTBLSEGMENT	"X'00001015" Meaning: A message variable is incorrectly defined in the message table. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HFMSGABEND_BADMSGTBLOUTLEN	"X'00001017" Meaning: The message table contains data that incorrectly defines a Maxlen value. The table is corrupted. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_MSGTBLMISSINGNEWLINE	"X'00001018" Meaning: The message table contains data that allows a WTO line to exceed 71 characters. The table is corrupted Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGRSN_HCKLOG_NOTVALID	"X'00001019" Meaning: The Hcklog control block contains errors. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_FIDMINLEN	"X'0000101A" Meaning: The message table segment contains an invalid format ID. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_VARLEN	"X'0000101B" Meaning: The message table segment contains an invalid variable length value. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_MAXOUT	"X'0000101C" Meaning: The message table segment contains an invalid MaxOutLen. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_RULELEVEL	"X'0000101D" Meaning: The message table segment contains an invalid rule level. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_FIDFORMATMSG	"X'0000101E" Meaning: The message table segment contains an invalid format ID. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_FIDINSERTVAR	"X'0000101F" Meaning: The message table segment contains an invalid format ID. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGABEND_BADMTS_SYMBOL	"X'00001020" Meaning: The message table segment contains an invalid symbol ID. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSFMSGRSN_DIRECTMSGUSEAMP	"X'0000041A" Unrecognized pre-defined symbol, or plain & in a DIRECTMSG message. For the latter, use pre-defined symbol <semicolon> instead

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
End of HZSFMSG Return and Reason Code definitions					
HZSFMSG Abend Reason code definitions					
End of Comment					
0	(0)	X'4106'	0	HZSFMSGABEND_BADMGBSTORAGE	"16646" The MGB or the MGB variable array is not available or could not be accessed
0	(0)	X'4107'	0	HZSFMSGABEND_BADMGBVALUE	"16647" A variable describe in the MGB had a bad address or length
0	(0)	X'4108'	0	HZSFMSGABEND_MSGIDNOTVALID	"16648" The message number provided in Mgb_Id does not exist in the message table.
0	(0)	X'4109'	0	HZSFMSGABEND_BADMGBINSERTCOUNT	"16649" The maximum number of variables allowed in a check message is defined by Mgb_MaxInserts.
0	(0)	X'410A'	0	HZSFMSGABEND_BADMGBINSERTSEQUENCE	"16650" The message table requested a variable that is out of sequence or too few inserts
0	(0)	X'410B'	0	HZSFMSGABEND_BADMGBINSERTNOTFOUND	"16651" The message definition requires a variable that does not exist in the mgb,
0	(0)	X'410C'	0	HZSFMSGABEND_BADMGBINSERTNOTUSED	"16652" The mgb contained variables that were not requested in the associated message
0	(0)	X'410D'	0	HZSFMSGABEND_BADMGBINSERTADDRESS	"16653" A variable describe in the MGB had a bad address or length
0	(0)	X'410E'	0	HZSFMSGABEND_BADMGBINSERTLENGTH	"16654" A variable describe in the MGB had a bad address or length
0	(0)	X'410F'	0	HZSFMSGABEND_BADPARMLISTSTORAGE	"16655" The HZSFMSG parameter was not accessible or not in the callers key.
0	(0)	X'4110'	0	HZSFMSGABEND_MGBNOTFOUND	"16656" The HZSFMSG request CHECKMSG requires a valid MGB control block.
0	(0)	X'4111'	0	HZSFMSGABEND_BADPARMLISTVERSION	"16657" The HZSFMSG parameter list contained an unsupported version number.
0	(0)	X'4112'	0	HZSFMSGABEND_BADENV	"16658" The HZSFMSG request was issued by a program that was not a check routine.
0	(0)	X'4113'	0	HZSFMSGABEND_BADHANDLE	"16659" The HANDLE parameter did not specify a valid value.
0	(0)	X'4114'	0	HZSFMSGABEND_BADREMOTEEV	"16660" The HZSFMSG request was issued from a remote routine that was not a check routine.
0	(0)	X'1013'	0	HZSFMSGABEND_MSGTBLERROR	"4115" The message table contained text that could not be processed
0	(0)	X'1014'	0	HZSFMSGABEND_PQE_NOTVALID	"4116" The PQE control block contains errors.
0	(0)	X'1015'	0	HZSFMSGABEND_BADMSGTBLSEGMENT	"4117" The message table is corrupted. A message text segment could not be processed
0	(0)	X'4016'	0	HZSFMSGABEND_MAXLENTOOBIG	"16406" A message insert was greater than the max expected length of the NLS skeleton
0	(0)	X'4116'	0	HZSFMSGABEND_FIELDSIZETOOBIG	"16662" A message insert was greater than the max expected length of the NLS skeleton
0	(0)	X'1017'	0	HZSFMSGABEND_BADMSGTBLOUTLEN	"4119" The outlen in the message table is not correct for the variable, the message table is corrupted
0	(0)	X'4115'	0	HZSFMSGABEND_BADABENDRESULT	"16661" The AbendResult parameter could not be set.
0	(0)	X'1019'	0	HZSFMSGABEND_HCKLOG_NOTVALID	"4121" The Hcklog control block contains errors.
0	(0)	X'4117'	0	HZSFMSGABEND_BADREMOTEMSGTABLE	"16663" The message table supplied by a remote check is not valid. Make sure that the message table was created by the HZSMSGEN exec and has not been overlaid
0	(0)	X'4118'	0	HZSFMSGABEND_WRONGREMOTEFUNCTION	"16664" A remote routine issued HZSFMSG other than from the INITRUN or RUN function, or had not issued HZSCHECK REQUEST=OPSTART

HZSZCONS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'4119'	0	HZSFMSGABEND_BADREQUEST	"16665" HZSFMSG has been called with an unrecognized REQUEST type
0	(0)	X'4120'	0	HZSFMSGABEND_BADREASON	"16672" HZSFMSG has been called with an unrecognized REASON for this particular REQUEST type
0	(0)	X'4122'	0	HZSFMSGABEND_DIRECTMSGBADIDLEN	"16674" IDLEN parameter is out of range @L7C
0	(0)	X'4123'	0	HZSFMSGABEND_DIRECTMSGBADTEXTLEN	"16675" TEXTLEN parameter is out of range
0	(0)	X'4124'	0	HZSFMSGABEND_DIRECTMSGBADIDADDR	"16676" ID parameter is null
0	(0)	X'4125'	0	HZSFMSGABEND_DIRECTMSGBADTEXTADDR	"16677" TEXT parameter is null
0	(0)	X'1126'	0	HZSFMSGABEND_BLDVLBADSEGLEN	"4390" Unexpected internal MsgSegLen @L7C
0	(0)	X'1127'	0	HZSFMSGABEND_BLDVLBADLINESTART	"4391" Unexpected internal LineStartPos@L7C
0	(0)	X'1128'	0	HZSFMSGABEND_BLDVLBADWRAP	"4392" Unexpected internal text wrap
0	(0)	X'1129'	0	HZSFMSGABEND_EXFRAGBADMAX	"4393" Unexpected internal fragment max@L7C
0	(0)	X'112A'	0	HZSFMSGABEND_EXFRAGBADPOS	"4394" Unexpected internal fragment start@L7C
0	(0)	X'1130'	0	HZSFMSGABEND_DMMTSBADSET	"4400" Internal: Bad MTSSource SetText
0	(0)	X'1138'	0	HZSFMSGABEND_UBSBADGET	"4408" Internal: Bad ByteSrc GetChar
0	(0)	X'1139'	0	HZSFMSGABEND_UBSBADPEEK	"4409" Internal: Bad ByteSrc peekUBS
0	(0)	X'113A'	0	HZSFMSGABEND_UBSBADSKIP	"4410" Internal: Bad ByteSrc skipUBS
0	(0)	X'412B'	0	HZSFMSGABEND_DIRECTMSGBADEXPLADDR	"16683" EXPL parameter is null
0	(0)	X'412C'	0	HZSFMSGABEND_DIRECTMSGBADEXPLEN	"16684" EXPLEN parameter is out of range
0	(0)	X'112D'	0	HZSFMSGABEND_MSGBLOCKTOOSMALL	"4397" internal message block buffer exhausted @L7C
0	(0)	X'412E'	0	HZSFMSGABEND_DIRECTMSGBADSYSACTADDR	"16686" SYSACT parameter is null
0	(0)	X'412F'	0	HZSFMSGABEND_DIRECTMSGBADSYSACTLEN	"16687" SYSACTLEN parameter is out of range
0	(0)	X'4130'	0	HZSFMSGABEND_DIRECTMSGBADORESPADDR	"16688" ORESP parameter is null
0	(0)	X'4131'	0	HZSFMSGABEND_DIRECTMSGBADORESPLEN	"16689" ORESPLEN parameter is out of range
0	(0)	X'4132'	0	HZSFMSGABEND_DIRECTMSGBADSPRESPADDR	"16690" SPRESP parameter is null
0	(0)	X'4133'	0	HZSFMSGABEND_DIRECTMSGBADSPRESPLEN	"16691" SPRESPLEN parameter is out of range
0	(0)	X'4134'	0	HZSFMSGABEND_DIRECTMSGBADPROBDADDR	"16692" PROBD parameter is null
0	(0)	X'4135'	0	HZSFMSGABEND_DIRECTMSGBADPROBDLEN	"16693" PROBDLEN parameter is out of range
0	(0)	X'4136'	0	HZSFMSGABEND_DIRECTMSGBADSOURCEADDR	"16694" SOURCE parameter is null
0	(0)	X'4137'	0	HZSFMSGABEND_DIRECTMSGBADSOURCELEN	"16695" SOURCELEN parameter is out of range
0	(0)	X'4138'	0	HZSFMSGABEND_DIRECTMSGBADREFDOCADDR	"16696" REFDOC parameter is null
0	(0)	X'4139'	0	HZSFMSGABEND_DIRECTMSGBADREFDOCLEN	"16697" REFDOCLEN parameter is out of range
0	(0)	X'413A'	0	HZSFMSGABEND_DIRECTMSGBADAUTOMATIONADDR	"16698"
					Comment
					AUTOMATION parameter is null
					End of Comment
0	(0)	X'413B'	0	HZSFMSGABEND_DIRECTMSGBADAUTOMATIONLEN	"16699"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
AUTOMATIONLEN parameter is out of range					
End of Comment					
0	(0)	X'413C'	0	HZSFMSGABEND_DIRECTMSGBADIDCHAR	"16700"
Comment					
ID contains invalid characters, such as ' ' (blank), x44 (required blank), x00 (nul)					
End of Comment					
0	(0)	X'4140'	0	HZSFMSGABEND_BADDOMREQUEST	"16704"
Comment					
REQUEST=DOM is not allowed for DOM(SYSTEM) check @UT02A					
End of Comment					
0	(0)	X'4141'	0	HZSFMSGABEND_BADDOMSTATE	"16705"
Comment					
REQUEST=DOM is not allowed after first check exception in a check iteration. @UT02A					
End of Comment					
0	(0)	X'4150'	0	HZSFMSGABEND_NODYNSEVALLOWED	"16720"
Comment					
Non-SYSTEM SEVERITY or SEVERITYVAL not allowed for an AllowDynSev(NO) check. @UT04A					
End of Comment					
0	(0)	X'4151'	0	HZSFMSGABEND_BADDYNSEVERITY	"16721"
Comment					
Bad 'sev' in SEVERITY(sev). @UT04A					
End of Comment					
0	(0)	X'4152'	0	HZSFMSGABEND_BADDYNSEVERITYVALUE	"16722"
Comment					
Bad 'val' in SEVERITYVAL(val). @UT04A					
End of HZSFMSG Abend Reason code definitions					
End of Comment					
0	(0)	BITSTRING	0	HZSQQUERYRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
HZSQQUERY Return and Reason Code definitions					
End of Comment					
		.... ....		HZSQQUERYRC_OK	"X'00000000" Meaning: Requested information returned Action: None required
		.... .1..		HZSQQUERYRC_WARN	"X'00000004" Meaning: Warning Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSQQUERYRSN_NOTALLDATARETURNED	

HZSZCONS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		HZSQQUERYRC_INVPARM	"X'00000401" Meaning: Not all data was returned because the answer area is not big enough. Answer area field HZSQQUAAHTLEN /HZSQQUAAH64TLEN indicates how much space is currently required. Action: Allocate a larger area and request the function again.
0	(0)	BITSTRING	0	HZSQQUERYRSN_NOTAUTHORIZED	"X'00000008" Meaning: HZSQQUERY request specifies incorrect parameters. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADPARMLIST	"X'00000801" Meaning: Caller is not authorized. For INSTANCE=LOGSTREAM, the first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGCONN service. Action: Avoid calling HZSQQUERY when not authorized
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADPARMLISTVERSION	"X'00000818" Meaning: Error accessing parameter list. Action: Make sure that the provided parameter list is valid.
0	(0)	BITSTRING	0	HZSQQUERYRSN_SRBMODE	"X'00000838" Meaning: The specified version of the macro is not compatible with the current version of IBM Health Checker for z/OS. Action: Avoid requesting parameters that are not supported by this version of IBM Health Checker for z/OS.
0	(0)	BITSTRING	0	HZSQQUERYRSN_NOTENABLED	"X'00000843" Meaning: SRB mode. Action: Avoid issuing HZSQQUERY in SRB mode.
0	(0)	BITSTRING	0	HZSQQUERYRSN_LOCKED	"X'00000844" Meaning: Not Enabled. Action: Avoid using HZSQQUERY when not enabled.
0	(0)	BITSTRING	0	HZSQQUERYRSN_FRR	"X'00000845" Meaning: Locked Action: Avoid using HZSQQUERY when a lock is held.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADPARMLISTALET	"X'00000846" Meaning: The caller had an EUT FRR established. Action: Avoid using HZSQQUERY when an EUT FRR is established.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADANSAREALET	"X'00000847" Meaning: Bad parameter list ALET. Action: Make sure that the ALET associated with the parameter list is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADANSAREA	"X'00000848" 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.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADANSLN	"X'00000849" Meaning: Error accessing answer area. Action: Make sure that the provided answer area is valid.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADPARMLISTVALUE	"X'0000084A" Meaning: AnsLen is less than size of the header area. Action: Provide a larger answer area (as indicated by the ANSLN keyword).
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADCATEGORYALET	"X'0000084B" Meaning: A parameter list field contains an unsupported value. Action: Check for possible storage overlay
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADCATEGORY	"X'0000084C" Meaning: Bad category ALET. Action: Make sure that the ALET associated with the category area is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSQQUERYRSN_MSGTOKENNOTVALID	"X'0000084D" Meaning: Error accessing category area. Action: Make sure that the provided category area is valid.
0	(0)	BITSTRING	0	HZSQQUERYRSN_XM	"X'0000084E" Meaning: MSGTOKEN is not valid. Action: Make sure that the MSGTOKEN specifies a value returned by HZSQQUERY. As that might represent a check that no longer exists, it might be necessary to re-issue HZSQQUERY to get a new MSGTOKEN.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADQUAAC1HDRALET	"X'0000085C" Meaning: For INSTANCE=LOGSTREAM, a cross-memory environment exists. Action: Avoid using HZSQQUERY INSTANCE=LOGSTREAM when the primary address space does not match the home address space.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADQUAAC1HDR	"X'0000085D" Meaning: Bad QUAAC1HDR ALET. Action: Make sure that the ALET associated with the QUAAC1HDR area is valid. The access register might not have been set up correctly.
		.... 11..		HZSQQUERYRC_ENVERROR	"X'0000085E" Meaning: Error accessing QUAAC1HDR area. Action: Make sure that the provided QUAAC1HDR area is valid.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSQQUERYRSN_IBMHCNOTACTIVE	"X'0000000C" Meaning: Environmental Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSQQUERYRSN_LOGSTREAMRECORDNOTFOUND	"X'00000C01" Meaning: IBM Health Checker for z/OS is not active Action: Re-issue the request when the service is available
0	(0)	BITSTRING	0	HZSQQUERYRSN_LOGSTREAMGAP	"X'00000C21" Meaning: The requested record within the logstream specified within the QUAAC1HDR area could not be found. The requested data could not be retrieved. The first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGBRWSE service. Action: Avoid calling HZSQQUERY when the BlockID returned within the QUAAC1HDR area is 0. If the BlockID was not 0, notify the system programmer.
0	(0)	BITSTRING	0	HZSQQUERYRSN_LOGSTREAMLOSSOFDATA	"X'00000C22" Meaning: A gap was detected in the logstream specified within the QUAAC1HDR area. The requested data could not be retrieved. The first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGBRWSE service. Action: Notify the system programmer.
0	(0)	BITSTRING	0	HZSQQUERYRSN_LOGSTREAMERROR	"X'00000C23" Meaning: A loss of data was detected in the logstream specified within the QUAAC1HDR area. The system received reason code IxgRsnCodeWarningLossOfData when attempting to browse the logstream. The requested data could not be retrieved. The first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGBRWSE service. Action: Notify the system programmer.
0	(0)	BITSTRING	0	HZSQQUERYRSN_LOGSTREAMBADDATA	"X'00000C24" Meaning: The system received an unexpected return / reason code from a system logger function. The requested data could not be retrieved. The first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGBRWSE service. Action: Notify the system programmer.
0	(0)	BITSTRING	0	HZSQQUERYRSN_STORAGEENOTAVAILABLE	"X'00000C25" Meaning: The data retrieved from the logstream specified within the QUAAC1HDR area was not valid. The first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGBRWSE service. Action: Notify the system programmer.
0	(0)	BITSTRING	0	HZSQQUERYRSN_BADLOGSTREAM	"X'00000C26" Meaning: The system could not obtain working storage needed to process the request. Action: Try re-running the job with a larger region size.
...	...			HZSQQUERYRC_COMPERROR	"X'00000C27" Meaning: The system could not connect to the logstream specified within the QUAAC1HDR area. The first eight bytes of the DIAG area in the header (HZSQQUAAHDIAG or HZSQQUAAH64DIAG) contain the four-byte return code and four-byte reason code from the IXGCONN service. Action: Make sure that the area has been properly initialized and that the logstream data set is accessible. Make sure that the system logger is active.
0	(0)	BITSTRING	0	HZSQQUERYRSN_INTERROR	"X'00000010" Meaning: Component Error Action: Refer to action under the individual reason code.
					"X'00001001" Meaning: Unexpected internal error Action: Report the problem to the system programmer

Comment

End of HZSQQUERY Return and Reason Code definitions

End of Comment

0	(0)	BITSTRING	0	HZSCPARSRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
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Comment

HZSCPARS Return and Reason Code definitions

End of Comment

....			HZSCPARSRC_OK	"X'00000000" Meaning: Requested information returned Action: None required
....	.1..			HZSCPARSRC_WARN	

HZSZCONS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSCPARSRSN_NOTLOCATED	"X'00000004" Meaning: Warning Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSCPARSRSN_NOPARMS	"X'00000401" Meaning: For the CHECKPARM request, the parameter was not found. Action: None required.
		.... 1...		HZSCPARSRC_INVPARM	"X'00000402" Meaning: For the PARSE request, the input parameter length was 0. Action: None required.
0	(0)	BITSTRING	0	HZSCPARSRSN_BADPARMLEN	"X'00000008" Meaning: HZSCPARS request specifies incorrect parameters. Action: Refer to action under the individual reason code.
		.... 11..		HZSCPARSRC_ENVERROR	"X'00000801" Meaning: The parameter length exceeded the maximum of 4096. Action: Specify a valid parameter length.
0	(0)	BITSTRING	0	HZSCPARSRSN_SYNTAXERROR	"X'0000000C" Meaning: Environmental Error Action: Refer to action under the individual reason code.
					"X'00000C01" Meaning: A syntax error was detected. A message was issued about the problem. Action: Use HZSFMSG REQUEST=STOP,REASON=BADPARM to indicate that the check cannot proceed because of a parameter error.
Comment					
End of HZSCPARS Return and Reason Code definitions					
End of Comment					
0	(0)	BITSTRING	0	HZSPREADRSNCODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
HZSPREAD Return and Reason Code definitions					
End of Comment					
		.... ....		HZSPREADRC_OK	"X'00000000" Meaning: The request was successfully processed. Action: None required
		.... 1...		HZSPREADRC_INVPARM	"X'00000008" Meaning: HZSPREAD request specifies incorrect parameters. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSPREADRSN_NOTAUTHORIZED	"X'00000801" Meaning: Caller is not authorized to access persistent data for this check Action: Avoid calling HZSPREAD to access data for a check when not authorized.
0	(0)	BITSTRING	0	HZSPREADRSN_BADENV	"X'00000808" Meaning: HZSPREAD is supported only when called within the HZS address space. Action: Invoke HZSPREAD only within the HZS address space.
0	(0)	BITSTRING	0	HZSPREADRSN_BADPARMLIST	"X'00000818" Meaning: Error accessing parameter list. Action: Make sure that the provided parameter list is valid.
0	(0)	BITSTRING	0	HZSPREADRSN_NOMATCH	"X'0000082D" Meaning: No persistent data records exist for this check. Action: Make sure that you requested the proper information.
0	(0)	BITSTRING	0	HZSPREADRSN_DATADOESNOTEXIST	"X'00000830" Meaning: The startbyte requested for the specified instance is not available. Action: Make sure that you requested the proper information.
0	(0)	BITSTRING	0	HZSPREADRSN_SRBMODE	"X'00000843" Meaning: SRB mode. Action: Avoid issuing HZSPREAD in SRB mode.
0	(0)	BITSTRING	0	HZSPREADRSN_NOTENABLED	"X'00000844" Meaning: Not Enabled. Action: Avoid using HZSPREAD when not enabled.
0	(0)	BITSTRING	0	HZSPREADRSN_LOCKED	"X'00000845" Meaning: Locked Action: Avoid using HZSPREAD when a lock is held.
0	(0)	BITSTRING	0	HZSPREADRSN_FRR	"X'00000846" Meaning: The caller had an EUT FRR established. Action: Avoid using HZSPREAD when an EUT FRR is established.
0	(0)	BITSTRING	0	HZSPREADRSN_BADPARMLISTALET	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSPREADRSN_BADBUFFERALET	"X'00000847" Meaning: Bad parameter list ALET. Action: Make sure that the ALET associated with the parameter list is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSPREADRSN_BADBUFFER	"X'00000848" Meaning: Bad answer area ALET. Action: Make sure that the ALET associated with the buffer is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSPREADRSN_BADHANDLE	"X'00000849" Meaning: Error accessing buffer Action: Make sure that the provided buffer is valid.
0	(0)	BITSTRING	0	HZSPREADRSN_WRONGREMOTEFUNCTION	"X'00000858" Meaning: The handle provided with the HANDLE parameter is not valid. Action: Specify the handle that was returned by the HZSADDCK macro if this is a REMOTE=YES REXX=NO check.
0	(0)	BITSTRING	0	HZSPREADRSN_BADREMOTEENVIRONMENT	"X'0000085A" Meaning: The check routine is not currently processing either the INITRUN or the RUN remote function. Action: Avoid invoking HZSPREAD for a remote check when not within the INITRUN or RUN function.
0	(0)	BITSTRING	0	HZSPREADRSN_WRONGFUNCTION	"X'0000085B" Meaning: HZSPREAD was invoked from a task other than the one that issued HZSCHECK REQUEST=OPSTART. Action: Avoid invoking HZSPREAD from an incorrect task.
0	(0)	BITSTRING	0	HZSPREADRSN_INTERERROR	"X'00000861" Meaning: The check routine is not currently processing either the INIT, CHECK, or CLEANUP function. Action: Avoid invoking HZSPREAD for a local check when not within the INIT or CHECK function.
		...1		HZSPREADRC_COMPERROR	"X'00000010" Meaning: Component Error Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSPREADRSN_INTERERROR	"X'00001001" Meaning: Unexpected internal error Action: Report the problem to the system programmer

Comment

End of HZSPREAD Return and Reason Code definitions

End of Comment

0	(0)	BITSTRING	0	HZSPWRITRSN_CODEMASK	"X'0000FFFF" Use this mask to isolate the non component-diagnostic portion of the reason code.
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Comment

HZSPWRIT Return and Reason Code definitions

End of Comment

			HZSPWRITRC_OK	"X'00000000" Meaning: The request was successfully processed. Action: None required
		.... 1...		HZSPWRITRC_INVPARM	"X'00000008" Meaning: HZSPWRIT request specified incorrect parameters. Action: Refer to action under the individual reason code.
0	(0)	BITSTRING	0	HZSPWRITRSN_NOTAUTHORIZED	"X'00000801" Meaning: Caller is not authorized to write persistent data for this check Action: Avoid calling HZSPWRIT to write data when not authorized.
0	(0)	BITSTRING	0	HZSPWRITRSN_BADENV	"X'00000808" Meaning: HZSPWRIT is supported only when called within the HZS address space. Action: Invoke HZSPWRIT only within the HZS address space.
0	(0)	BITSTRING	0	HZSPWRITRSN_BADPARMLIST	"X'00000818" Meaning: Error accessing parameter list. Action: Make sure that the provided parameter list is valid.
0	(0)	BITSTRING	0	HZSPWRITRSN_SRBMODE	"X'00000843" Meaning: SRB mode. Action: Avoid issuing HZSPWRIT in SRB mode.
0	(0)	BITSTRING	0	HZSPWRITRSN_NOTENABLED	"X'00000844" Meaning: Not Enabled. Action: Avoid using HZSPWRIT when not enabled.
0	(0)	BITSTRING	0	HZSPWRITRSN_LOCKED	"X'00000845" Meaning: Locked Action: Avoid using HZSPWRIT when a lock is held.
0	(0)	BITSTRING	0	HZSPWRITRSN_FRR	

HZSZCONS Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	HZSPWITRSN_BADPARMLISTALET	"X'00000846" Meaning: The caller had an EUT FRR established. Action: Avoid using HZSPWRIT when an EUT FRR is established.
0	(0)	BITSTRING	0	HZSPWITRSN_BADBUFFERALET	"X'00000847" Meaning: Bad parameter list ALET. Action: Make sure that the ALET associated with the parameter list is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSPWITRSN_BADBUFFER	"X'00000848" Meaning: Bad buffer ALET. Action: Make sure that the ALET associated with the buffer is valid. The access register might not have been set up correctly.
0	(0)	BITSTRING	0	HZSPWITRSN_BADHANDLE	"X'00000849" Meaning: Error accessing buffer Action: Make sure that the provided buffer is valid.
0	(0)	BITSTRING	0	HZSPWITRSN_WRONGREMOTEFUNCTION	"X'00000858" Meaning: The handle provided with the HANDLE parameter is not valid. Action: Specify the handle that was returned by the HZSADDCK macro if this is a REMOTE=YES REXX=NO check.
0	(0)	BITSTRING	0	HZSPWITRSN_BADREMOTENVIRONMENT	"X'0000085A" Meaning: The check routine is not currently processing either the INITRUN or the RUN remote function. Action: Avoid invoking HZSPWRIT for a remote check when not within the INITRUN or RUN function.
0	(0)	BITSTRING	0	HZSPWITRSN_WRONGFUNCTION	"X'0000085B" Meaning: HZSPWRIT was invoked from a task other than the one that issued HZSCHECK REQUEST=OPSTART. Action: Avoid invoking HZSPWRIT from an incorrect task.
		.... 11..		HZSPWITRC_ENVERROR	"X'00000861" Meaning: The check routine is not currently processing either the INIT, CHECK, or CLEANUP function. Action: Avoid invoking HZSPWRIT for a local check when not within the INIT or CHECK function.
0	(0)	BITSTRING	0	HZSPWITRSN_DATACORRUPTED	"X'0000000C" Meaning: Environmental Error Action: Refer to action under the individual reason code.
		...1		HZSPWITRC_COMPERROR	"X'00000C15" Meaning: The persistent data being managed by the system for this check has been overlaid. It will not be written to the HZSPDATA data set. Action: Report the problem to the system programmer
0	(0)	BITSTRING	0	HZSPWITRSN_INTERROR	"X'00000010" Meaning: Component Error Action: Refer to action under the individual reason code.
					"X'00001001" Meaning: Unexpected internal error Action: Report the problem to the system programmer

Comment

End of HZSPWRIT Return and Reason Code definitions
 ENF equates: do not use. See HZSZENF.
 HZS_Enf067_Available is obsolete and should not be used.
 You want HZS_Enf067_BitquaL_Available in HZSZENF.
 HZS_Enf067_NotAvailable is obsolete and should not be used.
 You want HZS_Enf067_BitquaL_NotAvailable in HZSZENF.
 Function code (via the release code parameter of IEAVPSE)
 for a remote (not REXX) check. The equate is the first byte
 of the 3-byte release code. The first byte of the release code
 will never exceed x'BF' If your application needs to release
 the paused unit of work, it should use a code in the range
 x'C00000' to x'FFFFFF' to avoid conflicting with future
 HZS support.

End of Comment

0	(0)	X'1'	0	HZS_REMOTE_FUNCTION_INITRUN	"1" This is the first call. PQECKWORK is zeroes. Initialize and run the check. Then wait for the next operation.
0	(0)	X'2'	0	HZS_REMOTE_FUNCTION_RUN	"2" This is post-initialization. PQECKWORK contains its value from the previous call. Run the check. Then wait for the next operation.
0	(0)	X'3'	0	HZS_REMOTE_FUNCTION_DEACTIVATE	"3" The check has been deactivated. Clean up. Wait for the next operation.
0	(0)	X'4'	0	HZS_REMOTE_FUNCTION_DELETE	"4" The check has been deleted. Clean up. Return the pause element. Do not wait for the next operation.
0	(0)	X'5'	0	HZS_REMOTE_FUNCTION_DELETETERM	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'6'	0	HZS_REMOTE_FUNCTION_DELETE	"5" IBM Health checker for z/OS is terminating, so the check has been deleted. Clean up. Return the pause element. Do not wait for the next operation. If authorized, listen for the ENF 067 even indicating that IBM Health checker for z/OS is once again available and upon getting that indication, do the "add" processing for the check
0	(0)	X'6'	0	HZS_REMOTE_FUNCTION_DELETEREFRESH	"6" A refresh has been requested for the check. Clean up and then re-add the check. You can continue to use the same pause element. Wait for the next operation.
0	(0)	X'7'	0	HZS_REMOTE_FUNCTION_RESTART	"7" HC has terminated and restarted. Clean up and then re-add the check. You can continue to use the same pause element. Wait for the next operation.

HZSZCONS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
HFMSGABEND_BADMSGTBLLOUTLEN	0	1017	HZSADDCKRSN_BADPETOKENHOME	0	86A
HZS_REMOTE_FUNCTION_DEACTIVATE	0	3	HZSADDCKRSN_BADPETOKENSERVICE	0	106D
HZS_REMOTE_FUNCTION_DELETE	0	4	HZSADDCKRSN_BADPETOKENSTATE	0	86B
HZS_REMOTE_FUNCTION_DELETEREFRESH	0	6	HZSADDCKRSN_BADPETOKENVALUE	0	86C
HZS_REMOTE_FUNCTION_DELETETERM	0	5	HZSADDCKRSN_BADREASONAREA	0	842
HZS_REMOTE_FUNCTION_INITRUN	0	1	HZSADDCKRSN_BADREASONLEN	0	80C
HZS_REMOTE_FUNCTION_RESTART	0	7	HZSADDCKRSN_BADTIME	0	80E
HZS_REMOTE_FUNCTION_RUN	0	2	HZSADDCKRSN_CHECKIDENTICAL	0	414
HZSABEND_DELETEFORCE	0	4FFF	HZSADDCKRSN_CHECKINACTIVE	0	402
HZSABEND_SUBTASKS	0	4FFE	HZSADDCKRSN_CHECKOLD	0	801
HZSADDCKRC_COMPERROR	0	10	HZSADDCKRSN_CHECKREPLACED	0	401
HZSADDCKRC_ENVERROR	0	C	HZSADDCKRSN_IBMHCNOTACTIVE	0	C01
HZSADDCKRC_INVPARM	0	8	HZSADDCKRSN_INTERROR	0	1001
HZSADDCKRC_OK	0	0	HZSADDCKRSN_NOTAUTHORIZED	0	859
HZSADDCKRC_WARN	0	4	HZSADDCKRSNCODEMASK	0	FFFF
HZSADDCKRSN_BADCHECKNAME	0	809	HZSCHECKRC_COMPERROR	0	10
HZSADDCKRSN_BADCHECKROUTINE	0	804	HZSCHECKRC_ENVERROR	0	C
HZSADDCKRSN_BADDATE	0	80B	HZSCHECKRC_INVPARM	0	8
HZSADDCKRSN_BADENV	0	808	HZSCHECKRC_OK	0	0
HZSADDCKRSN_BADEXCEPTIONINTERVAL	0	862	HZSCHECKRC_WARN	0	4
HZSADDCKRSN_BADEXITROUTINE	0	80D	HZSCHECKRSN_BADADDREPCATALET	0	853
HZSADDCKRSN_BADMESSAGECTABLE	0	805	HZSCHECKRSN_BADADDREPCATAREA	0	829
HZSADDCKRSN_BADOWNERNAME	0	80A	HZSCHECKRSN_BADCATEGORYALET	0	84C
HZSADDCKRSN_BADPARMLIST	0	818	HZSCHECKRSN_BADCATEGORYAREA	0	84D
HZSADDCKRSN_BADPARMLISTVERSION	0	838	HZSCHECKRSN_BADCOMMANDENV	0	C02
HZSADDCKRSN_BADPARMSAREA	0	841	HZSCHECKRSN_BADHANDLE	0	858
HZSADDCKRSN_BADPARMSLEN	0	84F	HZSCHECKRSN_BADNUMADDREPREMCAT	0	856
HZSADDCKRSN_BADPETOKEN	0	863	HZSCHECKRSN_BADNUMCAT	0	855

HZSZCONS Cross Reference

Name	Hex Offset	Hex Value
HZSCHECKRSN_BADPARMLIST	0	818
HZSCHECKRSN_BADPARMLISTALET	0	847
HZSCHECKRSN_BADPARMLISTVALUE	0	84B
HZSCHECKRSN_BADPARMLISTVERSION	0	838
HZSCHECKRSN_BADPETOKEN	0	863
HZSCHECKRSN_BADPETOKENHOME	0	86A
HZSCHECKRSN_BADPETOKENSERVICE	0	106D
HZSCHECKRSN_BADPETOKENSTATE	0	86B
HZSCHECKRSN_BADPETOKENVALUE	0	86C
HZSCHECKRSN_BADPQEALET	0	865
HZSCHECKRSN_BADPQEAAREA	0	864
HZSCHECKRSN_BADPQECHKWORKALET	0	867
HZSCHECKRSN_BADPQECHKWORKAREA	0	866
HZSCHECKRSN_BADREMCATALET	0	854
HZSCHECKRSN_BADREMCATAAREA	0	82A
HZSCHECKRSN_BADREMOTEEENV	0	C03
HZSCHECKRSN_COMMANDQUEUED	0	400
HZSCHECKRSN_IBMHCNOTACTIVE	0	C01
HZSCHECKRSN_INTERROR	0	1001
HZSCHECKRSN_NOTAUTHORIZED	0	801
HZSCHECKRSN_CODEMASK	0	FFFF
HZSCPARSRC_ENVERROR	0	C
HZSCPARSRC_INVPARM	0	8
HZSCPARSRC_OK	0	0
HZSCPARSRC_WARN	0	4
HZSCPARSRN_BADPARMLEN	0	801
HZSCPARSRN_NOPARMS	0	402
HZSCPARSRN_NOTLOCATED	0	401
HZSCPARSRN_SYNTAXERROR	0	C01
HZSCPARSRN_CODEMASK	0	FFFF
HZSFMSGABEND_BADABENDRESULT	0	4115
HZSFMSGABEND_BADDOMREQUEST	0	4140
HZSFMSGABEND_BADDOMSTATE	0	4141
HZSFMSGABEND_BADDYNSEVERITY	0	4151
HZSFMSGABEND_BADDYNSEVERITYVALUE	0	4152
HZSFMSGABEND_BADENV	0	4112
HZSFMSGABEND_BADHANDLE	0	4113

Name	Hex Offset	Hex Value
HZSFMSGABEND_BADMGBINSERTADDRESS	0	410D
HZSFMSGABEND_BADMGBINSERTCOUNT	0	4109
HZSFMSGABEND_BADMGBINSERTLENGTH	0	410E
HZSFMSGABEND_BADMGBINSERTNOTFOUND	0	410B
HZSFMSGABEND_BADMGBINSERTNOTUSED	0	410C
HZSFMSGABEND_BADMGBINSERTSEQUENCE	0	410A
HZSFMSGABEND_BADMGBSTORAGE	0	4106
HZSFMSGABEND_BADMGBVALUE	0	4107
HZSFMSGABEND_BADMSGTBLOUTLEN	0	1017
HZSFMSGABEND_BADMSGTBLSEGMENT	0	1015
HZSFMSGABEND_BADMTS_FIDFORMATMSG	0	101E
HZSFMSGABEND_BADMTS_FIDINSERTVAR	0	101F
HZSFMSGABEND_BADMTS_FIDMINLEN	0	101A
HZSFMSGABEND_BADMTS_MAXOUT	0	101C
HZSFMSGABEND_BADMTS_RULELEVEL	0	101D
HZSFMSGABEND_BADMTS_SYMBOL	0	1020
HZSFMSGABEND_BADMTS_VARLEN	0	101B
HZSFMSGABEND_BADPARMLISTSTORAGE	0	410F
HZSFMSGABEND_BADPARMLISTVERSION	0	4111
HZSFMSGABEND_BADREASON	0	4120
HZSFMSGABEND_BADREMOTEEENV	0	4114
HZSFMSGABEND_BADREMOTEMSGTABLE	0	4117
HZSFMSGABEND_BADREQUEST	0	4119
HZSFMSGABEND_BLDVLBADLINESTART	0	1127
HZSFMSGABEND_BLDVLBADSEGLEN	0	1126
HZSFMSGABEND_BLDVLBADWRAP	0	1128
HZSFMSGABEND_DIRECTMSGBADAUTOMATIONADDR	0	413A
HZSFMSGABEND_DIRECTMSGBADAUTOMATIONLEN	0	413B
HZSFMSGABEND_DIRECTMSGBADEXPLADDR	0	412B
HZSFMSGABEND_DIRECTMSGBADEXPLEN	0	412C
HZSFMSGABEND_DIRECTMSGBADIDADDR	0	4124
HZSFMSGABEND_DIRECTMSGBADIDCHAR	0	413C
HZSFMSGABEND_DIRECTMSGBADIDLEN	0	4122
HZSFMSGABEND_DIRECTMSGBADORESPPADDR	0	4130
HZSFMSGABEND_DIRECTMSGBADORESPLEN	0	4131
HZSFMSGABEND_DIRECTMSGBADPROBADDR	0	4134
HZSFMSGABEND_DIRECTMSGBADPROBLEN	0	4135

Name	Hex Offset	Hex Value
HZSFMSGABEND_DIRECTMSGBADREFDOCADDR	0	4138
HZSFMSGABEND_DIRECTMSGBADREFDOCLEN	0	4139
HZSFMSGABEND_DIRECTMSGBADSOURCEADDR	0	4136
HZSFMSGABEND_DIRECTMSGBADSOURCELEN	0	4137
HZSFMSGABEND_DIRECTMSGBADSPRESADDR	0	4132
HZSFMSGABEND_DIRECTMSGBADSPRESLEN	0	4133
HZSFMSGABEND_DIRECTMSGBADSYSACTADDR	0	412E
HZSFMSGABEND_DIRECTMSGBADSYSACTLEN	0	412F
HZSFMSGABEND_DIRECTMSGBADTEXTADDR	0	4125
HZSFMSGABEND_DIRECTMSGBADTEXTLEN	0	4123
HZSFMSGABEND_DMMTSBADSET	0	1130
HZSFMSGABEND_EXFRAGBADMAX	0	1129
HZSFMSGABEND_EXFRAGBADPOS	0	112A
HZSFMSGABEND_FIELDSIZETOOBIG	0	4116
HZSFMSGABEND_HCKLOG_NOTVALID	0	1019
HZSFMSGABEND_MAXLENTOOBIG	0	4016
HZSFMSGABEND_MGBNOTFOUND	0	4110
HZSFMSGABEND_MSGBLOCKTOOSMALL	0	112D
HZSFMSGABEND_MSGIDNOTVALID	0	4108
HZSFMSGABEND_MSGTBLERROR	0	1013
HZSFMSGABEND_MSGTBLMISSINGNEWLINE	0	1018
HZSFMSGABEND_NODYNSEVALLOWED	0	4150
HZSFMSGABEND_PQE_NOTVALID	0	1014
HZSFMSGABEND_UBSBADGET	0	1138
HZSFMSGABEND_UBSBADPEEK	0	1139
HZSFMSGABEND_UBSBADSKIP	0	113A
HZSFMSGABEND_WRONGREMOTEFUNCTION	0	4118
HZSFMSGRC_COMPERROR	0	10
HZSFMSGRC_ENVERROR	0	C
HZSFMSGRC_INVPARM	0	8
HZSFMSGRC_OK	0	0
HZSFMSGRSN_BADMSGTBLSEGMENT	0	1015
HZSFMSGRSN_DIRECTMSGUSEAMP	0	41A
HZSFMSGRSN_ERRORLIMITEXCEEDED	0	837
HZSFMSGRSN_HCKLOG_NOTVALID	0	1019
HZSFMSGRSN_IBMHCNOTACTIVE	0	C01
HZSFMSGRSN_INTERROR	0	1001
HZSFMSGRSN_MSGTBLERROR		

Name	Hex Offset	Hex Value
HZSFMSGRSN_PQE_NOTVALID	0	1013
HZSFMSGRSN_CODEMASK	0	1014
HZSPREADRC_COMPERROR	0	FFFF
HZSPREADRC_INVPARM	0	10
HZSPREADRC_OK	0	8
HZSPREADRSN_BADBUFFER	0	0
HZSPREADRSN_BADBUFFERALET	0	849
HZSPREADRSN_BADENV	0	848
HZSPREADRSN_BADHANDLE	0	808
HZSPREADRSN_BADPARMLIST	0	858
HZSPREADRSN_BADPARMLISTALET	0	818
HZSPREADRSN_BADREMOTENVIRONMENT	0	847
HZSPREADRSN_DATADOESNOTEXIST	0	85B
HZSPREADRSN_FRR	0	830
HZSPREADRSN_INTERROR	0	846
HZSPREADRSN_LOCKED	0	1001
HZSPREADRSN_NOMATCH	0	845
HZSPREADRSN_NOTAUTHORIZED	0	82D
HZSPREADRSN_NOTENABLED	0	801
HZSPREADRSN_SRBMODE	0	844
HZSPREADRSN_WRONGFUNCTION	0	843
HZSPREADRSN_WRONGREMOTEFUNCTION	0	861
HZSPREADRSN_CODEMASK	0	85A
HZSPWRITRC_COMPERROR	0	FFFF
HZSPWRITRC_ENVERROR	0	10
HZSPWRITRC_INVPARM	0	C
HZSPWRITRC_OK	0	8
HZSPWRITRSN_BADBUFFER	0	0
HZSPWRITRSN_BADBUFFERALET	0	849
HZSPWRITRSN_BADENV	0	848
HZSPWRITRSN_BADHANDLE	0	808
HZSPWRITRSN_BADPARMLIST	0	858
HZSPWRITRSN_BADPARMLISTALET	0	818
HZSPWRITRSN_BADREMOTENVIRONMENT	0	847
HZSPWRITRSN_DATACORRUPTED	0	85B
HZSPWRITRSN_FRR	0	C15
HZSPWRITRSN_INTERROR	0	846

HZSZCONS Cross Reference

Name	Hex Offset	Hex Value
HZSPWRITRSN_LOCKED	0	1001
HZSPWRITRSN_NOTAUTHORIZED	0	845
HZSPWRITRSN_NOTENABLED	0	801
HZSPWRITRSN_SRBMODE	0	844
HZSPWRITRSN_WRONGFUNCTION	0	843
HZSPWRITRSN_WRONGREMOEFUNCTION	0	861
HZSPWRITRSN_CODEMASK	0	85A
HZSQUERYRC_COMPERROR	0	FFFF
HZSQUERYRC_ENVERROR	0	10
HZSQUERYRC_INVPARM	0	C
HZSQUERYRC_OK	0	8
HZSQUERYRC_WARN	0	0
HZSQUERYRSN_BADANSAREA	0	4
HZSQUERYRSN_BADANSAREALET	0	849
HZSQUERYRSN_BADANSLEN	0	848
HZSQUERYRSN_BADCATEGORY	0	84A
HZSQUERYRSN_BADCATEGORYALET	0	84D
HZSQUERYRSN_BADLOGSTREAM	0	84C
HZSQUERYRSN_BADPARMLIST	0	C27
HZSQUERYRSN_BADPARMLISTALET	0	818
HZSQUERYRSN_BADPARMLISTVALUE	0	847
HZSQUERYRSN_BADPARMLISTVERSION	0	84B
HZSQUERYRSN_BADQUAAC1HDR	0	838
HZSQUERYRSN_BADQUAAC1HDRALET	0	85E
HZSQUERYRSN_FRR	0	85D
HZSQUERYRSN_IBMHCNOTACTIVE	0	846
HZSQUERYRSN_INTERROR	0	C01
HZSQUERYRSN_LOCKED	0	1001
HZSQUERYRSN_LOGSTREAMBADDATA	0	845
HZSQUERYRSN_LOGSTREAMERROR	0	C25
HZSQUERYRSN_LOGSTREAMGAP	0	C24
HZSQUERYRSN_LOGSTREAMLOSSOFDATA	0	C22
HZSQUERYRSN_LOGSTREAMRECORDNOTFOUND	0	C23
HZSQUERYRSN_MSGTOKENNOTVALID	0	C21
HZSQUERYRSN_NOTALLDATARETURNED	0	84E
HZSQUERYRSN_NOTAUTHORIZED	0	401
HZSQUERYRSN_NOTENABLED	0	801

Name	Hex Offset	Hex Value
HZSQUERYRSN_SRBMODE	0	844
HZSQUERYRSN_STORAGE_NOT_AVAILABLE	0	843
HZSQUERYRSN_XM	0	C26
HZSQUERYRSN_CODEMASK	0	85C
HZSRSN_CODEMASK	0	FFFF
HZSRSN_CODEMASK	0	FFFF

HZSZCPAR Information

HZSZCPAR Programming Interface information

Programming Interface information

HZSZCPAR

End of Programming Interface information

HZSZCPAR Heading Information • HZSZCPAR Map

HZSZCPAR Heading Information

Common Name: HC Check Parsing for parameter
Macro ID: HZSZCPAR
DSECT Name: CParArea CParKeywordEntry CParKeywordValueEntry CParKeywordInfo CParKeywordFlags CParKeywordData
Owning Component: IBM Health Checker for z/OS (SCHZS)
Eye-Catcher ID: CParArea
 Offset: 0
 Length: 8
Storage Attributes: Key: caller
 Residency: caller-provided
Size: CParArea -- X'0020' bytes
 CParKeywordEntry -- X'002C' bytes
 CParKeywordValueEntry -- X'0020' bytes
 CParKeywordInfo -- X'0020' bytes
 CParKeywordFlags -- X'0003' bytes
 CParKeywordData -- X'0008' bytes
Created by: caller
Pointed to by: N/A
Serialization: None.
Function: Parsing structures
 HZSZCPARS REQUEST=PARSE

HZSZCPAR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPARAREA	
0	(0)	CHARACTER	8	CPARAREAID	'CPARAREA'
8	(8)	SIGNED	4	CPARAREALENGTH	The length of the CparArea plus its subsidiary blocks
12	(C)	BITSTRING	1	CPARAREASUBPOOL	The storage is in the key in which the parse routine is invoked.
13	(D)	BITSTRING	1	CPARAREAFLAGS	

Comment

Bit definitions:

End of Comment

		1... ..		CPARAREAFORMATPOSITIONAL	"X'80" No key() or key= was encountered
14	(E)	SIGNED	2	CPARAREANUMKEYWORDS	Number of CParKeywordEntry's
16	(10)	ADDRESS	4	CPARAREAKEYWORDENTRYFIRSTADDR	Address of first CParKeywordEntry. 0 if no entries
20	(14)	ADDRESS	4	CPARAREAKEYWORDENTRYLASTADDR	Address of last CParKeywordEntry. 0 if no entries
24	(18)	BITSTRING	1	CPARAREAKEY	The storage key
25	(19)	CHARACTER	7		Reserved
25	(19)	X'D7C1D9'	0	KCPARAREAID_0TO3	"C'CPAR" This is the first 4-byte segment of an 8-byte constant.
25	(19)	X'D9C5C1'	0	KCPARAREAID_4TO7	"C'AREA" This is the second 4-byte segment of an 8-byte constant.
25	(19)	X'20'	0	CPARAREA_LEN	**-CParArea"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPARKEYWORDENTRY	
0	(0)	CHARACTER	8	CPARKEYWORDENTRYID	'CPARKEYE'
8	(8)	ADDRESS	4	CPARKEYWORDENTRYNEXTADDR	Address of the next CParKeywordEntry. 0 if no next entry
12	(C)	ADDRESS	4	CPARKEYWORDENTRYPREVADDR	Address of the previous CParKeywordEntry. 0 if no previous entry
16	(10)	CHARACTER	8	CPARKEYWORDENTRYDATA	This area is mapped by DSECT CParKeywordData
24	(18)	SIGNED	4	CPARKEYWORDENTRYNUMVALUES	Number of CParKeywordValueEntry's
28	(1C)	ADDRESS	4	CPARKEYWORDENTRYVALUEFIRSTADDR	Address of first CParKeywordValueEntry. 0 if no entries. 0 is expected when CparAreaFormatPositional is on
32	(20)	ADDRESS	4	CPARKEYWORDENTRYVALUELASTADDR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	BITSTRING	1	CPARKEYWORDENTRYFLAGS	Address of last CParKeywordValueEntry. 0 if no entries. 0 is expected when CparAreaFormatPositional is on
Comment					
Bit definitions:					
End of Comment					
		1... ..		CPARKEYWORDENTRYPROCESSED	"X'80" Processed by a Checkparm invocation.
37	(25)	CHARACTER	7		Reserved
37	(25)	X'D7C1D9'	0	KCPARKEYWORDENTRYID_0TO3	"C'CPAR" This is the first 4-byte segment of an 8-byte constant.
37	(25)	X'C5E8C5'	0	KCPARKEYWORDENTRYID_4TO7	"C'KEYE" This is the second 4-byte segment of an 8-byte constant.
37	(25)	X'2C'	0	CPARKEYWORDENTRY_LEN	"*-CParKeywordEntry"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPARKEYWORDVALUEENTRY	
0	(0)	CHARACTER	8	CPARKEYWORDVALUEENTRYID	'CPARKEYV'
8	(8)	ADDRESS	4	CPARKEYWORDVALUEENTRYNEXTADDR	Address of next CParKeywordValueEntry. 0 if no next entry
12	(C)	ADDRESS	4	CPARKEYWORDVALUEENTRYPREVADDR	Address of previous CParKeywordValueEntry. 0 if no previous entry
16	(10)	CHARACTER	8	CPARKEYWORDVALUEENTRYDATA	This area is mapped by DSECT CParKeywordData
24	(18)	CHARACTER	8		Reserved
24	(18)	X'D7C1D9'	0	KCPARKEYWORDVALUEENTRYID_0TO3	"C'CPAR" This is the first 4-byte segment of an 8-byte constant.
24	(18)	X'C5E8E5'	0	KCPARKEYWORDVALUEENTRYID_4TO7	"C'KEYV" This is the second 4-byte segment of an 8-byte constant.
24	(18)	X'20'	0	CPARKEYWORDVALUEENTRY_LEN	"*-CParKeywordValueEntry"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPARKEYWORDINFO	
0	(0)	CHARACTER	3	CPARKEYWORDINFOFLAGS	This area is mapped by DSECT CParKeywordInfoFlags
3	(3)	CHARACTER	1	CPARKEYWORDINFOSUFFIX	"K", "M", "G", "P", "%" for CHECKDEC. It is not set for CHECKHEX and CHECKCHAR.
4	(4)	CHARACTER	4		Reserved
8	(8)	CHARACTER	8	CPARKEYWORDINFONOTMULTIPLIED	This is the value without being multiplied by the suffix, for CHECKHEX and CHECKDEC. It is not set for CHECKCHAR.
16	(10)	CHARACTER	8	CPARKEYWORDINFOVALUE	This is the value after being multiplied by the suffix, for CHECKHEX and CHECKDEC. It is not set for CHECKCHAR.
24	(18)	CHARACTER	8		Reserved
24	(18)	X'20'	0	CPARKEYWORDINFO_LEN	"*-CParKeywordInfo"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPARKEYWORDFLAGS	
0	(0)	BITSTRING	3	CPARKEYWORDFLAGBITS	
Comment					
Bit definitions:					
End of Comment					

HZSZCPAR Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		CPARKEYWORDFLAGNUMERICWITHSUFFIX	"X'80" The value is numeric with a Suffix (such as "K") for CHECKDEC. It is not set for CHECKHEX and CHECKCHAR.
		.1..		CPARKEYWORDFLAGNUMERICWITHPERCENT	"X'40" The value is numeric with a percent suffix for CHECKDEC. It is not set for CHECKHEX and CHECKCHAR.
3	(3)	X'3'	0	CPARKEYWORDFLAGS_LEN	**-CParKeywordFlags"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPARKEYWORDDATA	
0	(0)	SIGNED	4	CPARKEYWORDDATALEN	The length of the data
4	(4)	ADDRESS	4	CPARKEYWORDDATAADDR	The address of the data
4	(4)	X'8'	0	CPARKEYWORDDATA_LEN	**CParKeywordData"

HZSZCPAR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPARAREA	0		CPARKEYWORDFLAGBITS	0	
CPARAREA_LEN	19	20	CPARKEYWORDFLAGNUMERICWITHPERCENT	0	40
CPARAREAFLAGS	D		CPARKEYWORDFLAGNUMERICWITHSUFFIX	0	80
CPARAREAFORMATPOSITIONAL	D	80	CPARKEYWORDFLAGS	0	
CPARAREAID	0		CPARKEYWORDFLAGS_LEN	3	3
CPARAREAKEY	18		CPARKEYWORDINFO	0	
CPARAREAKEYWORDENTRYFIRSTADDR	10		CPARKEYWORDINFO_LEN	18	20
CPARAREAKEYWORDENTRYLASTADDR	14		CPARKEYWORDINFOFLAGS	0	
CPARAREALENGTH	8		CPARKEYWORDINFONOTMULTIPLIED	8	
CPARAREANUMKEYWORDS	E		CPARKEYWORDINFOSUFFIX	3	
CPARAREASUBPOOL	C		CPARKEYWORDINFOVALUE	10	
CPARKEYWORDDATA	0		CPARKEYWORDVALUEENTRY	0	
CPARKEYWORDDATA_LEN	4	8	CPARKEYWORDVALUEENTRY_LEN	18	20
CPARKEYWORDDATAADDR	4		CPARKEYWORDVALUEENTRYDATA	10	
CPARKEYWORDDATALEN	0		CPARKEYWORDVALUEENTRYID	0	
CPARKEYWORDENTRY	0		CPARKEYWORDVALUEENTRYNEXTADDR	8	
CPARKEYWORDENTRY_LEN	25	2C	CPARKEYWORDVALUEENTRYPREVADDR	C	
CPARKEYWORDENTRYDATA	10		KCPARAREAID_0TO3	19	D7C1D9
CPARKEYWORDENTRYFLAGS	24		KCPARAREAID_4TO7	19	D9C5C1
CPARKEYWORDENTRYID	0		KCPARKEYWORDENTRYID_0TO3	25	D7C1D9
CPARKEYWORDENTRYNEXTADDR	8		KCPARKEYWORDENTRYID_4TO7	25	C5E8C5
CPARKEYWORDENTRYNUMVALUES	18		KCPARKEYWORDVALUEENTRYID_0TO3	18	D7C1D9
CPARKEYWORDENTRYPREVADDR	C		KCPARKEYWORDVALUEENTRYID_4TO7	18	C5E8E5
CPARKEYWORDENTRYPROCESSED	24	80			
CPARKEYWORDENTRYVALUEFIRSTADDR	1C				
CPARKEYWORDENTRYVALUELASTADDR	20				

HZSZENF Information

HZSZENF Programming Interface information

Programming Interface information

HZSZENF

End of Programming Interface information

HZSZENF Heading Information • HZSZENF Map

HZSZENF Heading Information

Common Name: Health Checker for z/OS ENF (event code 67)
Macro ID: HZSZENF
DSECT Name: Enf067 Enf067_BitQual
Owning Component: IBM Health Checker for z/OS (SCHZS)
Eye-Catcher ID: EN67
 Offset: 0
 Length: 4
Storage Attributes: Subpool: n/a
 Key: 0 or 8
 Residency: Above 16M
Size: Enf067 -- X'0020' bytes
 Enf067_BitQual -- X'0020' bytes
Created by: IBM Health Checker for z/OS, and provided to ENF listeners
 for event 067.
Pointed to by: R1 on entry to ENF listening routine
Serialization: None required
Function: Maps the data provided for ENF event 067.

HZSZENF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF067	IBM Health Checker for z/OS ENF parameter list
0	(0)	CHARACTER	4	ENF067_ID	Eyecatcher 'EN67'
4	(4)	CHARACTER	5	ENF067_COMPONENT	Component acronym 'SCHZS'
9	(9)	CHARACTER	3		Unused
12	(C)	SIGNED	4	ENF067_EVENT	This matches the first word of the BITQUAL area that would be set if requesting to listen only for that specific event.
16	(10)	SIGNED	4	ENF067_HCINSTANCENUM	Instance number of HC
20	(14)	CHARACTER	12		Unused
32	(20)	CHARACTER	1	ENF067_EVENTDATA (0)	Data (unique per event) Note that this area is not provided for the "Available" and "Not Available" events
32	(20)	CHARACTER	1	ENF067_EVENTDATA_AVAILABLE (0)	No data for "Available"
32	(20)	CHARACTER	1	ENF067_EVENTDATA_NOTAVAILABLE (0)	No data for "NotAvailable"
32	(20)	CHARACTER	1	ENF067_EVENTDATA_STATUSCHANGED (0)	No data for "StatusChanged"
32	(20)	X'D5F6F7'	0	ENF067_ID_CHARS	"C'EN67'" Eyecatcher
32	(20)	X'20'	0	ENF067_LEN	""-Enf067"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF067_BITQUAL	
0	(0)	BITSTRING	4	ENF067_BITQUAL_WORD0	
0	(0)	BITSTRING	1	ENF067_BITQUAL_BYTE0	

Comment

Bit definitions:

End of Comment

1... ..	ENF067_BITQUAL_AVAILABLE	"X'80" HC services are available			
.1..	ENF067_BITQUAL_NOTAVAILABLE	"X'40" HC services are not available			
..1.	ENF067_BITQUAL_STATUSCHANGED	"X'20" Some HC check has different status. It might have completed with a different result than the last time that it ran or might have been deactivated or deleted. If you are monitoring this event, upon receiving this you would probably want to issue HZSQUERY. Note that this event may not be presented if HC is terminating (indicated by an ENF 067 event for NotAvailable).			
1	(1)	BITSTRING	1	ENF067_BITQUAL_BYTE1	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	BITSTRING	1	ENF067_BITQUAL_BYTE2	Reserved
3	(3)	BITSTRING	1	ENF067_BITQUAL_BYTE3	Reserved
4	(4)	CHARACTER	28		Reserved
4	(4)	X'20'	0	ENF067_BITQUAL_LEN	Reserved
					** -Enf067_BitQual"

HZSZENF Cross Reference

Name	Hex Offset	Hex Value
ENF067	0	
ENF067_BITQUAL	0	
ENF067_BITQUAL_AVAILABLE	0	80
ENF067_BITQUAL_BYTE0	0	
ENF067_BITQUAL_BYTE1	1	
ENF067_BITQUAL_BYTE2	2	
ENF067_BITQUAL_BYTE3	3	
ENF067_BITQUAL_LEN	4	20
ENF067_BITQUAL_NOTAVAILABLE	0	40
ENF067_BITQUAL_STATUSCHANGED	0	20
ENF067_BITQUAL_WORD0	0	
ENF067_COMPONENT	4	
ENF067_EVENT	C	
ENF067_EVENTDATA	20	
ENF067_EVENTDATA_AVAILABLE	20	
ENF067_EVENTDATA_NOTAVAILABLE	20	
ENF067_EVENTDATA_STATUSCHANGED	20	
ENF067_HCINSTANCENUM	10	
ENF067_ID	0	
ENF067_ID_CHARS	20	D5F6F7
ENF067_LEN	20	20

HZSZHCKL Information

HZSZHCKL Programming Interface information

Programming Interface information

HZSZHCKL

End of Programming Interface information

HZSZHCKL Heading Information • HZSZHCKL Map

HZSZHCKL Heading Information

Common Name: Log block
Macro ID: HZSZHCKL
DSECT Name: HCKLOG HCKLOGE
Owning Component: IBM Health Checker for z/OS (SCHZS)
Eye-Catcher ID: HCKL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: n/a
 Key: 8
Size: HCKLOG -- X'0118' bytes
 HCKLOGE -- X'0020' bytes
Created by: Health Checker check initialization.
Pointed to by: Pqe_MB_Stream_Ptr
 HCKLOGs are chained via HCKLOG_fwd_Chain and HCKLOG_Back_chain
 The HZSMBUFF macro is the external interface for retrieving
 the HCKLOG data.
Serialization: None required
Function: Maps the IBM Health Checker for z/OS log block

HZSZHCKL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HCKLOG	HealthChecker logger record
0	(0)	CHARACTER	280	HCKLOGHEADER	Message header
0	(0)	CHARACTER	4	HCKLOG_ID	Eye catch: 'HCKL'
4	(4)	SIGNED	4	HCKLOG_VERSION	
8	(8)	CHARACTER	88	HCKLOG_INFIRSTBUFFERONLY	See equates HckLog_Version_xxx Only in the first buffer
8	(8)	CHARACTER	8	HCKLOG_NONINTERFACE2	Not part of the intended interface
8	(8)	CHARACTER	8	HCKLOG_NONINT2	
8	(8)	SIGNED	4	HCKLOG_TOTLEN	Total length of all buffers
12	(C)	SIGNED	4	HCKLOG_NUMBUFS	Total number of buffers
16	(10)	BITSTRING	16	HCKLOG_EXTENDED_STARTTOD	Place holder for extended tod
16	(10)	BITSTRING	1		Wrap TOD
17	(11)	BITSTRING	8	HCKLOG_STARTTOD	TOD when the check was started
17	(11)	BITSTRING	4	HCKLOG_STARTTODHIGH	High order TOD word
21	(15)	BITSTRING	4	HCKLOG_STARTTODLOW	Low order TOD word
25	(19)	BITSTRING	7		Micro TOD
32	(20)	BITSTRING	16	HCKLOG_EXTENDED_ENDTOD	Place holder for extended TOD
32	(20)	BITSTRING	1		Wrap TOD
33	(21)	BITSTRING	8	HCKLOG_ENDTOD	TOD when the check completed.
33	(21)	BITSTRING	4	HCKLOG_ENDTODHIGH	High order TOD word
37	(25)	BITSTRING	4	HCKLOG_ENDTODLOW	Low order TOD word
41	(29)	BITSTRING	7		Micro TOD
48	(30)	CHARACTER	12	HCKLOG_CHECKRESULTDIAG	Result and diagnostic data from check
48	(30)	SIGNED	4	HCKLOG_CHECKRESULT	Result from check
52	(34)	CHARACTER	8	HCKLOG_CHECKDIAG	Diagnostic data from check
60	(3C)	CHARACTER	8	HCKLOG_NONINTERFACE3	Not part of the intended interface
60	(3C)	CHARACTER	8	HCKLOG_NONINT3	
60	(3C)	SIGNED	4	HCKLOG_TOTNUMLINES	Total number of lines for this check iteration, summed across all message buffers
64	(40)	SIGNED	4	HCKLOG_TOTNUMMSG	Total number of messages for this check iteration, summed across all message buffers
68	(44)	BITSTRING	4	HCKLOG_BUFFERFLAGS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
68	(44)	BITSTRING	1	HCKLOG_BUFFERCHECKNORUNFLAGS	Buffer flags
Comment					
Bit definitions:					
End of Comment					
		1...		HCKLOG_PARM_ERROR	"X'80" =1: User specified value is in error for this check
		.1..		HCKLOG_NA_CONFIG	"X'40" =1: This check does not apply in the current system configuration
		..1.		HCKLOG_ERROR_THRESHOLD_EXCEEDED	"X'20"
69	(45)	BITSTRING	1	HCKLOG_BUFFERCHECKREPORTFLAGS	Information about this check report
Comment					
Bit definitions:					
End of Comment					
		1...		HCKLOG_DATALOST	"X'80" Some messages issued have been lost (there are not enough buffers available)
70	(46)	BITSTRING	2		Reserved for future expansion
72	(48)	CHARACTER	16	HCKLOG_MSGTOKEN	Message token corresponding to this message buffer
72	(48)	CHARACTER	8		
80	(50)	SIGNED	4	HCKLOG_CHECKHASRUNCOUNT	This corresponds to PQE_Cum_Check_Count within HZSPQE. Despite its location (not in "InEveryBuffer"), this value is actually set in every buffer.
84	(54)	CHARACTER	4		
88	(58)	CHARACTER	8		Reserved
96	(60)	CHARACTER	184	HCKLOG_INEVERYBUFFER	In every buffer
96	(60)	SIGNED	4	HCKLOG_BUFLLEN	Total length of this buffer
100	(64)	SIGNED	2	HCKLOG_MAXLINES	Maximum number of lines that might be in the message area. This is based on the message text length
102	(66)	SIGNED	2	HCKLOG_MAXMSGTEXTLEN	Maximum message text length across the messages in the message area
104	(68)	SIGNED	4	HCKLOG_MESSAGEAREAOFFSET	Offset to the message area in this buffer. Add this value to the address of the HCKLOG to get the address of the first message in this buffer.
108	(6C)	SIGNED	4	HCKLOG_BUFNUM	Which buffer this is
112	(70)	SIGNED	4	HCKLOG_NUMBUFS_COPY	Copy of Hcklog_NumBufs
116	(74)	SIGNED	4	HCKLOG_NUMLINES	number of messages lines in this buffer
120	(78)	CHARACTER	8	HCKLOG_SYSPLEXNAME	Sysplex name where check was executed
128	(80)	CHARACTER	8	HCKLOG_SYSTEMNAME	System name where check was executed
136	(88)	CHARACTER	48	HCKLOG_CHECKOWNERNAME	
136	(88)	CHARACTER	16	HCKLOG_CHECKOWNER	Owning company and/or component
152	(98)	CHARACTER	32	HCKLOG_CHECKNAME	Name of the check routine that 'wrote' this message buffer
184	(B8)	SIGNED	4	HCKLOG_NUMMSGS	number of messages completed in this buffer
188	(BC)	BITSTRING	1	HCKLOG_WRITEFLAGS	write flags
Comment					
Bit definitions:					
End of Comment					
189	(BD)	CHARACTER	3	HCKLOG_SAVED	"X'80" This buffer was save to the log stream

HZSZHCKL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
192	(C0)	CHARACTER	52	HCKLOG_LOGSTREAMLASTWRITEINFO	Information about the previous message buffer (for this check) that has been written to the log stream buffer (HCKLOG_LogStreamLastWriteInfo is zeroes if there is no previous message buffer written to the log stream. CAUTION: if this changes, update DPQE too where this area is saved
192	(C0)	CHARACTER	8	HCKLOG_PREVIOUSBLKID	Block ID of the previous message buffer that was written to the message buffer
200	(C8)	CHARACTER	16	HCKLOG_PREVIOUSLOGSTREAMNAME	Time stamp returned by IXGWRITE when the previous message buffer was written to the log stream
216	(D8)	CHARACTER	26	HCKLOG_PREVIOUSLOGSTREAMNAME	The name of the log stream where the previous message buffer was saved reserved. CAUTION: if fields are added, update DPQE too where this area is saved
242	(F2)	CHARACTER	2		
244	(F4)	SIGNED	4	HCKLOG_NUMEXCEPTIONS	Number of exceptions exceptions issued by this iteration of the check
248	(F8)	CHARACTER	8	HCKLOG_FIRSTLINESTCK	STCK timestamp when the first line was put into the buffer. 0 if no lines in this buffer
256	(100)	CHARACTER	16	HCKLOG_NONINTERFACE1	Not part of the intended interface
272	(110)	CHARACTER	8		Reserved
272	(110)	X'0'	0	HCKLOG_VERSION_0	"0" Original release
272	(110)	X'1'	0	HCKLOG_VERSION_1	"1" z/OS 1.10
272	(110)	X'1'	0	HCKLOG_VERSION_CURRENT	"1"
272	(110)	X'118'	0	HCKLOG_LENGTH	** -HCKLOG"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	HCKLOGE	A LOG line entry
0	(0)	CHARACTER	32	HCKLOGE_MSGPREFIX	Message line descriptor
0	(0)	CHARACTER	10	HCKLOGE_MSGNUM	Current message number
10	(A)	SIGNED	2	HCKLOGE_LEN	The length of the HCKLOG line entry.
12	(C)	BITSTRING	4	HCKLOGE_MSGFLGS	flags for the current msg line
12	(C)	BITSTRING	1	HCKLOGE_MSGSTOPSTARTFLAGS	

Comment

Bit definitions:

End of Comment

1..	....	HCKLOGE_MSGSTART	"X'80"	Start of new message
.1..	....	HCKLOGE_MSGEND	"X'40"	Last line of current message
..1.	....	HCKLOGE_SECTIONSTART	"X'20"	Start of new message section
...1	....	HCKLOGE_SECTIONEND	"X'10"	Last line of current message section
....	1..	HCKLOGE_MSGEXCEPTXT	"X'08"	Exception detected info no msgid is associated with this line
....	.1..	HCKLOGE_MSGREASON	"X'04"	Reason line, associated with an exception message
13	(D)	BITSTRING	1	HCKLOGE_MSGTYPEFLAGS

Comment

Bit definitions:

End of Comment

1..	....	HCKLOGE_MSGEXCEPTION	"X'80"	Current message is an exception message
.1..	....	HCKLOGE_MSGDEBUG	"X'40"	Current message is a logonly debug message 'L' type msg

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		HCKLOGE_MSGREPORT	"X'20" Current message is a detailed report
		...1		HCKLOGE_MSGINFO	"X'10" Current message is informational
		.... 1...		HCKLOGE_STOP	"X'08" STOP message
		.... .1..		HCKLOGE_HZSMSG	"X'04" HZSMSG message
		.... ..1.		HCKLOGE_HZSHZS	"X'02" Start/stop message
14	(E)	BITSTRING	2	HCKLOGE_MSGSECTIONTYPEFLAGS	
14	(E)	BITSTRING	1	HCKLOGE_MSGSECTIONTYPEFLAGSB1	Byte 1

Comment

Bit definitions:

End of Comment

		1...		HCKLOGE_MSGMSG	"X'80" Current line is within the main message text section of the message Message sections are part of an exception message
		.1..		HCKLOGE_EXPLANATION	"X'40" Explanation section
		..1.		HCKLOGE_SYSACT	"X'20" system action section
		...1		HCKLOGE_ORESP	"X'10" Operator response section
		.... 1...		HCKLOGE_SPRESP	"X'08" System Programmer response
		.... .1..		HCKLOGE_PROBD	"X'04" Problem determination section
		.... ..1.		HCKLOGE_REFDOC	"X'02" Manual reference section
		.... ...1		HCKLOGE_SOURCE	"X'01" component reference section
15	(F)	BITSTRING	1	HCKLOGE_MSGSECTIONTYPEFLAGSB2	Byte 1

Comment

Bit definitions:

End of Comment

		1...		HCKLOGE_AUTOMATION	"X'80" Automation section
		..1.		HCKLOGE_OREASON	"X'20" Owner Reason
		...1		HCKLOGE_PARMS	"X'10" Current parameters reserved
16	(10)	CHARACTER	14		
30	(1E)	SIGNED	2	HCKLOGE_MSGTEXTLEN	Length of MsgText in HCKLOGE_MsgText
32	(20)	CHARACTER	1	HCKLOGE_MSGTEXT (0)	Message text line. Its length is in HCKLOGE_MsgTextLen
32	(20)	X'C3D2D3'	0	CHCKL_ACRONYM	"C'HCKL" Eye catcher for HCKL
32	(20)	X'10000'	0	HCKLOG_LOGGERBUFSIZE	"65536" Maximum buffer size.
32	(20)	X'20'	0	HCKLOGE_LENGTH	"*-HCKLOGE"

HZSZHCKL Cross Reference

HZSZHCKL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CHCKL_ACRONYM			HCKLOG_NONINT3	3C	
HCKLOG	20	C3D2D3	HCKLOG_NUMBUFS	C	
HCKLOG_BUFFERCHECKNORUNFLAGS	0		HCKLOG_NUMBUFS_COPY	70	
HCKLOG_BUFFERCHECKREPORTFLAGS	44		HCKLOG_NUMEXCEPTIONS	F4	
HCKLOG_BUFFERFLAGS	45		HCKLOG_NUMLINES	74	
HCKLOG_BUFFERLEN	44		HCKLOG_NUMMSGS	B8	
HCKLOG_BUFNUM	60		HCKLOG_PARM_ERROR	44	80
HCKLOG_CHECKDIAG	6C		HCKLOG_PREVIOUSBLKID	C0	
HCKLOG_CHECKHASRUNCOUNT	34		HCKLOG_PREVIOUSLOGSTREAMNAME	D8	
HCKLOG_CHECKNAME	50		HCKLOG_PREVIoustimestamp	C8	
HCKLOG_CHECKOWNER	98		HCKLOG_SAVED	BC	80
HCKLOG_CHECKOWNERNAME	88		HCKLOG_STARTTOD	11	
HCKLOG_CHECKRESULT	88		HCKLOG_STARTTODHIGH	11	
HCKLOG_CHECKRESULTDIAG	30		HCKLOG_STARTTODLOW	15	
HCKLOG_DATALOST	30		HCKLOG_SYSPLEXNAME	78	
HCKLOG_ENDTOD	45	80	HCKLOG_SYSTEMNAME	80	
HCKLOG_ENDTODHIGH	21		HCKLOG_TOTLEN	8	
HCKLOG_ENDTODLOW	21		HCKLOG_TOTNUMLINES	3C	
HCKLOG_ERROR_THRESHOLD_EXCEEDED	25		HCKLOG_TOTNUMMSGS	40	
HCKLOG_EXTENDED_ENDTOD	44	20	HCKLOG_VERSION	4	
HCKLOG_EXTENDED_STARTTOD	20		HCKLOG_VERSION_CURRENT	110	1
HCKLOG_FIRSTLINESTCK	10		HCKLOG_VERSION_0	110	0
HCKLOG_ID	F8		HCKLOG_VERSION_1	110	1
HCKLOG_INEVERYBUFFER	0		HCKLOG_WRITEFLAGS	BC	
HCKLOG_INFIRSTBUFFERONLY	60		HCKLOGE	0	
HCKLOG_LENGTH	8		HCKLOGE_AUTOMATION	F	80
HCKLOG_LOGGERBUFSIZE	110	118	HCKLOGE_EXPLANATION	E	40
HCKLOG_LOGSTREAMLASTWRITEINFO	20	10000	HCKLOGE_HZSHZS	D	2
HCKLOG_MAXLINES	C0		HCKLOGE_HZSMMSG	D	4
HCKLOG_MAXMSGTEXTLEN	64		HCKLOGE_LEN	A	
HCKLOG_MESSAGEAREAOFFSET	66		HCKLOGE_LENGTH	20	20
HCKLOG_MSGTOKEN	68		HCKLOGE_MSGDEBUG	D	40
HCKLOG_NA_CONFIG	48		HCKLOGE_MSGEND	C	40
HCKLOG_NONINTERFACE1	44	40	HCKLOGE_MSGEXCEPTION	D	80
HCKLOG_NONINTERFACE2	100		HCKLOGE_MSGEXCEPTXT	C	8
HCKLOG_NONINTERFACE3	8		HCKLOGE_MSGFLGS	C	
HCKLOG_NONINT2	3C		HCKLOGE_MSGINFO	D	10
	8		HCKLOGE_MSGMSG		

Name	Hex Offset	Hex Value
HCKLOGE_MSGNUM	E	80
HCKLOGE_MSGPREFIX	0	
HCKLOGE_MSGREASON	C	4
HCKLOGE_MSGREPORT	D	20
HCKLOGE_MSGSECTIONTYPEFLAGS	E	
HCKLOGE_MSGSECTIONTYPEFLAGSB1	E	
HCKLOGE_MSGSECTIONTYPEFLAGSB2	F	
HCKLOGE_MSGSTART	C	80
HCKLOGE_MSGSTOPSTARTFLAGS	C	
HCKLOGE_MSGTEXT	20	
HCKLOGE_MSGTEXTLEN	1E	
HCKLOGE_MSGTYPEFLAGS	D	
HCKLOGE_OREASON	F	20
HCKLOGE_ORESP	E	10
HCKLOGE_PARDS	F	10
HCKLOGE_PROBD	E	4
HCKLOGE_REFDOC	E	2
HCKLOGE_SECTIONEND	C	10
HCKLOGE_SECTIONSTART	C	20
HCKLOGE_SOURCE	E	1
HCKLOGE_SPRESP	E	8
HCKLOGE_STOP	D	8
HCKLOGE_SYSACT	E	20
HCKLOGHEADER	0	

IARDRL Information

IARDRL Programming Interface information

Programming Interface information

IARDRL

End of Programming Interface information

IARDRL Heading Information • IARDRL Map

IARDRL Heading Information

Common Name: DSPSERV Range List Entry
Macro ID: IARDRL
DSECT Name: DRL
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
Subpool: Caller-defined (must be non-pageable for caller with >16 ranges)
Key: Caller-defined
Residency: Must be above 16 meg virtual
Size: DRLEN bytes
Created by: Caller
Pointed to by: x_ZXRANGLIST field of DSPSERV MF(L,x) expansion.
Serialization: None
Function: Contains mapping for RANGLIST data for the DSPSERV service.

IARDRL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DRL	, Maps the DSPSERV range list (DRL) entry.
0	(0)	ADDRESS	4	DRLSTVSA	Starting virtual storage address of the data space range to be processed.
4	(4)	CHARACTER	1	DRLRSV	Reserved.
5	(5)	SIGNED	3	DRLNUMPG	Number of pages in the data space range to be processed.
8	(8)	SIGNED	4	DRLEND (0)	End of DSPSERV range list (DRL) entry mapping.
8	(8)	X'8'	0	DRLEN	"DRLEND-DRL" Length of a DRL.

IARSD Information

IARSD Heading Information

Common Name: Data Space Data
Macro ID: IARSD
DSECT Name: DSD DSDE
Owning Component: RSM (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 229
 Key: 0
 Residency: Above 16M
Size: DSD -- X'001C' bytes
 DSDE -- X'0014' bytes
Created by: Data space information service
Pointed to by: None
Serialization: None required
Function: The DSD maps the information returned by the data space information service (IARCCDSL). This is used by DSPCALL's DSPLIST funtion.
 The output area consists of a header mapped by DSECT DSD followed by DSDTNUM entries (each mapped by DSECT DSDE).
 The DSDW maps the information returned by the data space information service (IARCCDSW). This is used by DSPCALL's DSPLISTW funtion.
 DESCRIPTION (DSD)=
 FREQUENCY = One per invocation of the data space information service
 ATTRIBUTES = Subpool 229
 STORAGE ATTRIBUTES = ADDRESS SPACE PRIVATE
 ANCHOR = N/A
 SERIALIZATION = N/A
 CREATED BY = Data space information service
 INITIALIZED BY = Data space information service
 DESTROYED BY = Caller of the data space information service
 DESCRIPTION(DSDW)=
 FREQUENCY = One per invocation of the data space information service
 ATTRIBUTES = Non-pagable storage (caller-provided)
 STORAGE ATTRIBUTES = ADDRESS SPACE PRIVATE
 ANCHOR = N/A
 SERIALIZATION = N/A
 CREATED BY = Caller of the data space information service
 INITIALIZED BY = Data space information service
 DESTROYED BY = Caller of the data space information service

IARSD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSD	
0	(0)	CHARACTER	28	DSDHDR	Header portion
0	(0)	CHARACTER	8	DSDUSER	User defined area
0	(0)	ADDRESS	4	DSDNEXT	Pointer to next DSD
4	(4)	ADDRESS	4	DSDPREV	Pointer to previous DSD
8	(8)	CHARACTER	4	DSDID	Control block id = 'DSD '

IARDSD Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	1	DSDVER	Version number
13	(D)	SIGNED	1	DSDSPID	Subpool id of storage for this DSD
14	(E)	BITSTRING	2	DSDFLGS	Flags
		1...		DSDSWAP	"X'80" 0 => address space swapped in, 1 => address space swapped out or swap in progress
14	(E)	BITSTRING	1		Reserved
16	(10)	SIGNED	4	DSDLLEN	Length of this DSD
20	(14)	SIGNED	2	DSDASID	ASID that owns the data spaces listed in the DSD entries
22	(16)	SIGNED	2		Reserved
24	(18)	SIGNED	4	DSDTNUM	Number of data spaces listed in the DSD entries
24	(18)	X'1C'	0	DSD_LEN	**-DSD"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSDE	
0	(0)	CHARACTER	8	DSDENAME	Data space name
8	(8)	CHARACTER	8	DSDESTOK	Data space STOKEN
16	(10)	ADDRESS	4	DSDEASTE	Data space ASTE real address
16	(10)	X'E2C440'	0	DSDIDC	"C'DSD "" Control block id
16	(10)	X'1'	0	DSDVER1	"1" Version number
16	(10)	X'14'	0	DSDE_LEN	**-DSDE"

IARDSD Cross Reference

Name	Hex Offset	Hex Value
DSD	0	
DSD_LEN	18	1C
DSDASID	14	
DSDE	0	
DSDE_LEN	10	14
DSDEASTE	10	
DSDENAME	0	
DSDESTOK	8	
DSDFLGS	E	
DSDHDR	0	
DSDID	8	
DSDIDC	10	E2C440
DSDLLEN	10	
DSDNEXT	0	
DSDPREV	4	
DSDSPID	D	
DSDSWAP	E	80
DSDTNUM	18	
DSDUSER	0	
DSDVER	C	
DSDVER1	10	1

IARVRL Information

IARVRL Programming Interface information

Programming Interface information

IARVRL

End of Programming Interface information

IARVRL Heading Information • IARVRL Cross Reference

IARVRL Heading Information

Common Name: IARVSERV Virtual Range List Entry
Macro ID: IARVRL
DSECT Name: VRL
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
 Subpool: Caller-defined (must be non-pageable for authorized caller with >16 ranges)
 Key: Caller-defined
 Residency: Must be above 16 meg virtual
Size: VRLLEN bytes
Created by: Caller
Pointed to by: x_ZXRANGLIST field of IARVSERV MF(L,x) expansion.
Serialization: None
Function: Contains mapping for RANGLIST data for the IARVSERV service.

IARVRL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VRL	, Maps the IARVSERV range list (VRL) entry
0	(0)	ADDRESS	4	VRLSVSA	Starting virtual storage address of the source data to be made shared. This field is ignored for the UNSHARE request.
4	(4)	BITSTRING	8	VRLSSTKN (0)	STOKEN of the space in which the source data resides. If ALET is used rather than STOKEN, then the first 4 bytes must be zero. This field is ignored for the UNSHARE request. Note: an STOKEN may be specified for data space storage only.
4	(4)	BITSTRING	4	VRLSSTK1	First word of source STOKEN. When this word is zero, VRLSALET contains an ALET
8	(8)	SIGNED	4	VRLSALET	ALET which corresponds to the space in which the source data resides. This field is ignored for the UNSHARE request.
12	(C)	ADDRESS	4	VRLNUMPG	Number of pages in the SOURCE and/or TARGET area. This field is required for both the SHARE and the UNSHARE requests.
16	(10)	ADDRESS	4	VRLTVSA	Starting virtual storage address of the target data to be made shared or unshared. This field is required for both the SHARE and the UNSHARE requests.
20	(14)	BITSTRING	8	VRLTSTKN (0)	STOKEN of the space in which the target data resides. If ALET is used rather than STOKEN, then the first 4 bytes must be zero. This field is required for both the SHARE and the UNSHARE requests. Note: an STOKEN may be specified for data space storage only.
20	(14)	BITSTRING	4	VRLTSTK1	First word of target STOKEN. When this word is zero, VRLSALET contains an ALET
24	(18)	SIGNED	4	VRLTALET	ALET which corresponds to the space in which the target data resides. This field is required for both the SHARE and the UNSHARE requests.
28	(1C)	SIGNED	4	VRLEND (0)	End of IARVSERV range list (VRL) entry mapping
28	(1C)	X'1C'	0	VRLLEN	"VRLEND-VRL" Length of a VRL

IARVRL Cross Reference

Name	Hex Offset	Hex Value
VRL	0	
VRLEND	1C	
VRLLEN	1C	1C
VRLNUMPG	C	
VRLSALET	8	
VRLSSTKN	4	
VRLSSTK1	4	
VRLSVSA	0	
VRLTALET	18	
VRLTSTKN	14	
VRLTSTK1	14	
VRLTVSA	10	

IAXCNTPL Information

IAXCNTPL Heading Information

Common Name: RSM Frame Count Service Parameter List
Macro ID: IAXCNTPL
DSECT Name: None
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
 Auxiliary Storage: No
 Subpool: User specified
 Key: Any, but must agree with input save area, parm list, and work area. AMODE = 31 LOCKS HELD = None required ASC
 MODE = Primary or Secondary ADDRESS SPACE = Irrelevant MEMORY MODE = XMEM | non-XMEM DISPATCH MODE = Task |
 SRB
 Data Space: No
 Residency: User specified
Size: 48 bytes
Created by: CALLER
 INITIALIZED BY = CALLER
 DESTROYED BY = CALLER
Pointed to by: Register 1 (request to IAXXC)
Serialization: PROVIDED BY CALLER
Function: Contains input and output information for the request to IAXXC to obtain the frame count

IAXCNTPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	PARMS_NTF	Parm list for IARXCNTF
0	(0)	ADDRESS	4	NTFWORKA	Address of input work area
4	(4)	BITSTRING	4	FLAGS	Flags word
		1...		SWAP_FLAG	Address space swapped in/out indicator (not meaningful if this request was for common). 0 = swapped in 1 = swapped out
		.1..		NEW_PLIST	1 = New Parm list which contains FIXED_ABOVE is used 0 = Old Parm list is used
4	(4)	BITSTRING	3	*	Reserved
8	(8)	SIGNED	4	FXED	The total number of fixed frames owned by the address space or page-fixed pages if this is common
12	(C)	SIGNED	4	FIXED_BEL	Of the total fixed frames indicated in FXED field, the number of frames located below 16MB real storage
16	(10)	SIGNED	4	FIXED_LSQA	Of the total fixed frames indicated in FXED field, the number of frames backing LSQA pages (will be zero for common)
20	(14)	SIGNED	4	DREF	The total amount of processor storage (frames) backing LSQA DREF and data space DREF storage (SQA-DREF if request is for common)
24	(18)	SIGNED	4	DREF_REAL	Of the total indicated in DREF field the number of real storage frames backing LSQA DREF and data space DREF storage (SQA DREF for common)
28	(1C)	SIGNED	4	CSA	The total amount of processor storage (frames) backing CSA pages. It is only meaningful for common and not meaningful for address spaces
32	(20)	SIGNED	4	FIXED_ABOVE	Of the total fixed frames indicated in FXED field, the number of frames located between 16MB and 2G real storage
36	(24)	SIGNED	4	LARGEPAGESBACKEDINREAL	Number of large page frames (1MB page frames) owned by this address space that are backed in real
40	(28)	SIGNED	4	TWOGIGPAGESBACKEDINREAL	Number of 2G page frames owned by this address space that are backed in real
44	(2C)	CHARACTER	4	CNTRSV	Reserved

IAXCNTPL Constants • IAXCNTPL Cross Reference

IAXCNTPL Constants

Len	Type	Value	Name	Description
4	DECIMAL	128	NTFWORKA_SIZE	Size of the input workarea needed by the frame count service routine

IAXCNTPL Cross Reference

Name	Hex Offset	Hex Value
CNTRSV	2C	
CSA	1C	
DREF	14	
DREF_REAL	18	
FIXED_ABOVE	20	
FIXED_BEL	C	
FIXED_LSQA	10	
FLAGS	4	
FXED	8	
LARGEPAGESBACKEDINREAL	24	
NEW_PLIST	4	40
NTFWORKA	0	
PARMS_NTF	0	
SWAP_FLAG	4	80
TWOGIGPAGESBACKEDINREAL	28	

IAXCPHA Information

IAXCPHA Heading Information

Common Name: RSM Cell Pool Header Authorized Section
Macro ID: IAXCPHA
DSECT Name: CPHA
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: CPHA
 Offset: 0
 Length: 4 bytes
Storage Attributes: Virtual Storage: YES
 Subpool: CPHA for private cell pools - subpool 213 on the the tasks that owns the pool.
 Key: 0
 Data Space: NO
 Residency: Above the line for private Above the bar for private
Size: ??? bytes
Created by: IARCYBLD
Pointed to by: CPHDCPHA - Connection for the cell pool to use in expand and delete processing
Serialization: CDSG is used to update queue headers.
Function: The CPHA contains any cell pool information that we don't want the user to be able to modify.
 It also contains the anchor to the chain of extents.
 The CPHA contains the IARV64 parameter list used to create the initial and subsequent extents.
 The CPHA resides in key 0 storage to prevent the user from changing the attributes for a pool extent.

IAXCPHA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	304	CPHA	
0	(0)	CHARACTER	4	CPHAID	CPHA control block identifier
4	(4)	CHARACTER	1	CPHASP	Subpool for private CPHA
5	(5)	BITSTRING	1	CPHAFLG1	Flag byte 1
		1... ..		CPHAF1FIXED	Cells in this pool are page fixed.
		.1... ..		CPHAF1TRY1MPAGESIZE	
		...1... ..		CPHAF1ST64	Try to get 1M pages for this pool. This pool services IARST64. Reject IARCP64 DELETE requests which point to this CPHA.
		...1... ..		CPHALOCSYSA	This pool was created with LOCALSYSAREA parm
6	(6)	BITSTRING	1	CPHAKEY	Key of the pool in top 4 bits
7	(7)	CHARACTER	1	CPHARSV1	Reserved
8	(8)	UNSIGNED	4	CPHAPAGEFIXCAEMASK	CA mask used to determine when to invoke IAXCY to page fix additional areas within the extent. Only applicable to fixed extents
12	(C)	ADDRESS	4	CPHANEXT	Address of the next CPHA. This is only used for private area CPHAs for user key pools. This allows the fork exit to locate CPHAs that need to be propagated to the child and is also used to validate the CPHA on expand. SERIALIZATION: Local Lock
Comment					
QUADWORD 2					
End of Comment					
16	(10)	CHARACTER	24	CPHAUSERDATA	Caller provided test string to make it easy to spot cell pool extents in a dump.
40	(28)	CHARACTER	8	CPHARSV2	Reserved
Comment					
QUADWORD 4					
End of Comment					
48	(30)	CHARACTER	8	CPHAUSERTKN	User token returned by RSM on initial IARV64 GETxx and provided on subsequent requests (unused, remove)
56	(38)	ADDRESS	8	CPHACPHD	Address of CPHD. Used to verify that the user has not modified the CPHD.

IAXCPHA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
QUADWORD 5					
					End of Comment
64	(40)	UNSIGNED	4	CPHACELLSZREQ	Cell size requested on the build.
68	(44)	UNSIGNED	4	CPHACELLSIZE	Size of the cells in this pool. This is the size after the build routine has rounded the user's request to the appropriate boundary.
72	(48)	UNSIGNED	4	*	
72	(48)	UNSIGNED	1	CPHANUMCAEPAGESTOFIX	Number of pages mapping the control area to page fix
73	(49)	UNSIGNED	1	CPHANUMCELLPAGESTOFIX	Number of pages mapping cells to page fix
76	(4C)	UNSIGNED	4	CPHACELLSZ	Size of cell area
					Comment
QUADWORD 6					
					End of Comment
80	(50)	CHARACTER	16	CPHARSV3	Reserved
					Comment
QUADWORD 7 Quadword alignment is required for the following anchors since they are updated with CDSG.					
					End of Comment
96	(60)	CHARACTER	16	CPHAEXT	Pointer to the extent chain. Serialization: CDSG with an incremented sequence number.
96	(60)	ADDRESS	8	CPHAEXTANC	Pointer to the last extent to be added to the pool. or zero if the pool has never been expanded.
104	(68)	UNSIGNED	8	CPHAEXTSEQ	Sequence number for the CDSG to update.
					Comment
QUADWORD 8					
					End of Comment
112	(70)	CHARACTER	16	CPHARSV4	Reserved
					Comment
QUADWORD 9					
					End of Comment
128	(80)	CHARACTER	176	CPHAV64PL	Parameter list used to get extents with IARV64

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	176	CPHAB	?IARV64 PARM LIST
0	(0)	UNSIGNED	1	CPHAB_XVERSION	INPUT XVERSION
1	(1)	UNSIGNED	1	CPHAB_XREQUEST	XREQUEST
2	(2)	BITSTRING	1	CPHAB_XFLAGS0	FIELD_LABEL
		1...		CPHAB_XMOTKNSOURCE_SYSTEM	BIT
		.1..		CPHAB_XMOTKNCREATOR_SYSTEM	BIT
		..1.		CPHAB_XMATCH_MOTOKEN	BIT
		...1 1111		CPHAB_XFLAGS0_RSVD1	BIT
3	(3)	UNSIGNED	1	CPHAB_XKEY	XKEY
4	(4)	BITSTRING	1	CPHAB_XFLAGS1	FIELD_LABEL
		1...		CPHAB_KEYUSED_KEY	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		CPHAB_KEYUSED_USERTKN	BIT
		.1..		CPHAB_KEYUSED_TTOKEN	BIT
		...1		CPHAB_KEYUSED_CONVERTSTART	BIT
		.... 1...		CPHAB_KEYUSED_GUARDSIZE64	BIT
		.... .1..		CPHAB_KEYUSED_CONVERTSIZE64	BIT
		.... ..1.		CPHAB_KEYUSED_MOTKN	BIT
		.... ...1		CPHAB_KEYUSED_OWNERJOBNAME	BIT
5	(5)	BITSTRING	1	CPHAB_XFLAGS2	FIELD_LABEL
		1...		CPHAB_XCOND_YES	BIT
		.1..		CPHAB_XFPROT_NO	BIT
		..1.		CPHAB_XCONTROL_AUTH	BIT
		...1		CPHAB_XGUARDLOC_HIGH	BIT
		.... 1...		CPHAB_XCHANGEACCESS_GLOBAL	BIT
		.... .1..		CPHAB_XPAGEFRAMESIZE_1MEG	BIT
		.... ..1.		CPHAB_XPAGEFRAMESIZE_MAX	BIT
		.... ...1		CPHAB_XPAGEFRAMESIZE_ALL	BIT
6	(6)	BITSTRING	1	CPHAB_XFLAGS3	FIELD_LABEL
		1...		CPHAB_XMATCH_USERTOKEN	BIT
		.1..		CPHAB_XAFFINITY_SYSTEM	BIT
		..1.		CPHAB_XUSE2GTO32G_YES	BIT
		...1		CPHAB_XOWNER_NO	BIT
		.... 1...		CPHAB_XV64SELECT_NO	BIT
		.... .1..		CPHAB_XSVCDUMPRGN_NO	BIT
		.... ..1.		CPHAB_XV64SHARED_NO	BIT
		.... ...1		CPHAB_XSVCDUMPRGN_ALL	BIT
7	(7)	BITSTRING	1	CPHAB_XFLAGS4	FIELD_LABEL
		1...		CPHAB_XLONG_NO	BIT
		.1..		CPHAB_XCLEAR_NO	BIT
		..1.		CPHAB_XVIEW_READONLY	BIT
		...1		CPHAB_XVIEW_SHAREDWRITE	BIT
		.... 1...		CPHAB_XVIEW_HIDDEN	BIT
		.... .1..		CPHAB_XCONVERT_TOGUARD	BIT
		.... ..1.		CPHAB_XCONVERT_FROMGUARD	BIT
		.... ...1		CPHAB_XKEEPREAL_NO	BIT
8	(8)	UNSIGNED	8	CPHAB_XSEGMENTS	XSEGMENTS
16	(10)	CHARACTER	16	CPHAB_XTTOKEN	XTTOKEN
32	(20)	UNSIGNED	8	CPHAB_XUSERTKN	

IAXCPHA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					XUSERTKN
40	(28)	ADDRESS	8	CPHAB_XORIGIN	XORIGIN
48	(30)	ADDRESS	8	CPHAB_XRANGLIST	XRANGLIST
56	(38)	ADDRESS	8	CPHAB_XMEMOBJSTART	XMEMOBJSTART
64	(40)	UNSIGNED	4	CPHAB_XGUARDSIZE	XGUARDSIZE
68	(44)	UNSIGNED	4	CPHAB_XCONVERTSIZE	XCONVERTSIZE
72	(48)	UNSIGNED	4	CPHAB_XALETVALUE	XALETVALUE
76	(4C)	SIGNED	4	CPHAB_XNUMRANGE	XNUMRANGE
80	(50)	ADDRESS	4	CPHAB_XV64LISTPTR	XV64LISTPTR
84	(54)	UNSIGNED	4	CPHAB_XV64LISTLENGTH	XV64LISTLENGTH
88	(58)	UNSIGNED	8	CPHAB_XCONVERTSTART	XCONVERTSTART
96	(60)	UNSIGNED	8	CPHAB_XCONVERTSIZE64	XCONVERTSIZE64
104	(68)	UNSIGNED	8	CPHAB_XGUARDSIZE64	XGUARDSIZE64
112	(70)	CHARACTER	8	CPHAB_XUSERTOKEN	XUSERTOKEN
120	(78)	UNSIGNED	1	CPHAB_XDUMPPRIORITY	XDUMPPRIORITY
121	(79)	BITSTRING	1	CPHAB_XFLAGS5	FIELD_LABEL
		1...		CPHAB_XDUMPPROTOCOL_YES	BIT
		.1..		CPHAB_XORDER_DUMPPRIORITY	BIT
		..1.		CPHAB_XTYPE_PAGEABLE	BIT
		...1		CPHAB_XTYPE_DREF	BIT
		.... 1...		CPHAB_XOWNERCOM_HOME	BIT
		.... .1..		CPHAB_XOWNERCOM_PRIMARY	BIT
		.... ..1.		CPHAB_XOWNERCOM_SYSTEM	BIT
		.... ...1		CPHAB_XOWNERCOM_BYASID	BIT
122	(7A)	BITSTRING	1	CPHAB_XFLAGS6	FIELD_LABEL
		1...		CPHAB_XV64COMMON_NO	BIT
		.1..		CPHAB_XMEMLIMIT_NO	BIT
		..1.		CPHAB_XDETACHFIXED_YES	BIT
		...1		CPHAB_XDOAUTHCHECKS_YES	BIT
		.... 1...		CPHAB_XLOCALSYSAREA_YES	BIT
		.... .1..		CPHAB_XAMOUNTSIZE_4K	BIT
		.... ..1.		CPHAB_XAMOUNTSIZE_1MEG	BIT
		.... ...1		CPHAB_XFLAGS6_RSVD1	BIT
123	(7B)	BITSTRING	1	CPHAB_XFLAGS7	FIELD_LABEL
		1...		CPHAB_KEYUSED_DUMP	BIT
		.1..		CPHAB_KEYUSED_OPTIONVALUE	BIT
		..1.		CPHAB_KEYUSED_SVCDUMPRGN	BIT
		...1		CPHAB_XATTRIBUTE_DEFS	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.... 1...		CPHAB_XATTRIBUTE_OWNERGONE	BIT	
		.... .1..		CPHAB_XATTRIBUTE_NOTOWNERGONE	BIT	
		.... ..1.		CPHAB_XTRACKINFO_YES	BIT	
		.... ...1		CPHAB_XUNLOCKED_YES	BIT	
124	(7C)	UNSIGNED	1	CPHAB_XDUMP	XDUMP	
125	(7D)	BITSTRING	1	CPHAB_XFLAGS8	FIELD_LABEL	
		1...		CPHAB_XPAGEFRAMESIZE_PAGEABLE1MEG	BIT	
		.1..		CPHAB_XPAGEFRAMESIZE_DREF1MEG	BIT	
		..11 1111		CPHAB_XFLAGS8_RSVD1	BIT	
126	(7E)	UNSIGNED	2	CPHAB_XOWNERASID	XOWNERASID	
128	(80)	UNSIGNED	1	CPHAB_XOPTIONVALUE	XOPTIONVALUE	
129	(81)	CHARACTER	8	CPHAB_XRSV0001	RESERVED	
137	(89)	CHARACTER	8	CPHAB_XOWNERJOBNAME	XOWNERJOBNAME	
145	(91)	CHARACTER	7	CPHAB_XRSV0004	RESERVED	
152	(98)	ADDRESS	8	CPHAB_XDMAPAGETABLE	XDMAPAGETABLE	
160	(A0)	UNSIGNED	8	CPHAB_XUNITS	XUNITS	
168	(A8)	BITSTRING	1	CPHAB_XFLAGS9	FIELD_LABEL	
		1...		CPHAB_KEYUSED_UNITS	BIT	
		.1..		CPHAB_XUNITSIZE_1M	BIT	
		..1.		CPHAB_XUNITSIZE_2G	BIT	
		...1		CPHAB_XPAGEFRAMESIZE_1M	BIT	
		.... 1...		CPHAB_XPAGEFRAMESIZE_2G	BIT	
		.... .1..		CPHAB_XTYPE_FIXED	BIT	
		.... ..11		CPHAB_XFLAGS9_RSVD1	BIT	
169	(A9)	CHARACTER	7	CPHAB_XRSV0005	RESERVED	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
32	(20)	STRUCTURE	8	*	DEFINED	
32	(20)	UNSIGNED	8	CPHAB_XOUTMOTKN	XOUTMOTKN	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
32	(20)	STRUCTURE	8	*	DEFINED	
32	(20)	UNSIGNED	8	CPHAB_XMOTKN	XMOTKN	
40	(28)	CHARACTER	0	*		

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
128	(80)	STRUCTURE	176	CPHAP	?IARV64 PARM LIST	
128	(80)	UNSIGNED	1	CPHAP_XVERSION	INPUT XVERSION	
129	(81)	UNSIGNED	1	CPHAP_XREQUEST		

IAXCPHA Map

Offsets		Type/Value	Len	Name (Dim)	Description	
Dec	Hex					
130	(82)	BITSTRING	1	CPHAP_XFLAGS0	XREQUEST	
					1...	FIELD_LABEL
					.1.	CPHAP_XMOTKNSOURCE_SYSTEM
					..1.	BIT
					...1 1111	CPHAP_XMOTKNCREATOR_SYSTEM
131	(83)	UNSIGNED	1	CPHAP_XKEY	XKEY	
					132	(84)	BITSTRING	1	CPHAP_XFLAGS1	FIELD_LABEL
133	(85)	BITSTRING	1	CPHAP_XFLAGS2	1...	CPHAP_KEYUSED_KEY
					.1.	BIT
					..1.	CPHAP_KEYUSED_USERTKN
					...1	BIT
					.... 1...	CPHAP_KEYUSED_TTOKEN
					.... .1..	BIT
					.... ..1.	CPHAP_KEYUSED_CONVERTSTART
					.... ...1	BIT
					.... 1...	CPHAP_KEYUSED_GUARDSIZE64
					.... .1..	BIT
134	(86)	BITSTRING	1	CPHAP_XFLAGS3	1...	CPHAP_KEYUSED_CONVERTSIZE64
					.1.	BIT
					..1.	CPHAP_KEYUSED_MOTKN
					...1	BIT
					.... 1...	CPHAP_KEYUSED_OWNERJOBNAME
					.... .1..	BIT
					.... ..1.	CPHAP_KEYUSED_GUARDSIZE64
					.... ...1	BIT
					.... 1...	CPHAP_KEYUSED_CONVERTSIZE64
					.... .1..	BIT
135	(87)	BITSTRING	1	CPHAP_XFLAGS4	1...	CPHAP_XCOND_YES
					.1.	BIT
					..1.	CPHAP_XFPROT_NO
					...1	BIT
					.... 1...	CPHAP_XCONTROL_AUTH
					.... .1..	BIT
					.... ..1.	CPHAP_XGUARDLOC_HIGH
					.... ...1	BIT
					.... 1...	CPHAP_XCHANGEACCESS_GLOBAL
					.... .1..	BIT

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		CPHAP_XVIEW_SHAREDWRITE	BIT
		.... 1...		CPHAP_XVIEW_HIDDEN	BIT
		.... .1..		CPHAP_XCONVERT_TOGUARD	BIT
		.... ..1.		CPHAP_XCONVERT_FROMGUARD	BIT
		.... ...1		CPHAP_XKEEPREAL_NO	BIT
136	(88)	UNSIGNED	8	CPHAP_XSEGMENTS	XSEGMENTS
144	(90)	CHARACTER	16	CPHAP_XTTOKEN	XTTOKEN
160	(A0)	UNSIGNED	8	CPHAP_XUSERTKN	XUSERTKN
168	(A8)	ADDRESS	8	CPHAP_XORIGIN	XORIGIN
176	(B0)	ADDRESS	8	CPHAP_XRANGLIST	XRANGLIST
184	(B8)	ADDRESS	8	CPHAP_XMEMOBJSTART	XMEMOBJSTART
192	(C0)	UNSIGNED	4	CPHAP_XGUARDSIZE	XGUARDSIZE
196	(C4)	UNSIGNED	4	CPHAP_XCONVERTSIZE	XCONVERTSIZE
200	(C8)	UNSIGNED	4	CPHAP_XALETVALUE	XALETVALUE
204	(CC)	SIGNED	4	CPHAP_XNUMRANGE	XNUMRANGE
208	(D0)	ADDRESS	4	CPHAP_XV64LISTPTR	XV64LISTPTR
212	(D4)	UNSIGNED	4	CPHAP_XV64LISTLENGTH	XV64LISTLENGTH
216	(D8)	UNSIGNED	8	CPHAP_XCONVERTSTART	XCONVERTSTART
224	(E0)	UNSIGNED	8	CPHAP_XCONVERTSIZE64	XCONVERTSIZE64
232	(E8)	UNSIGNED	8	CPHAP_XGUARDSIZE64	XGUARDSIZE64
240	(F0)	CHARACTER	8	CPHAP_XUSERTOKEN	XUSERTOKEN
248	(F8)	UNSIGNED	1	CPHAP_XDUMPPRIORITY	XDUMPPRIORITY
249	(F9)	BITSTRING	1	CPHAP_XFLAGS5	FIELD_LABEL
		1...		CPHAP_XDUMPPROTOCOL_YES	BIT
		.1..		CPHAP_XORDER_DUMPPRIORITY	BIT
		..1.		CPHAP_XTYPE_PAGEABLE	BIT
		...1		CPHAP_XTYPE_DREF	BIT
		.... 1...		CPHAP_XOWNERCOM_HOME	BIT
		.... .1..		CPHAP_XOWNERCOM_PRIMARY	BIT
		.... ..1.		CPHAP_XOWNERCOM_SYSTEM	BIT
		.... ...1		CPHAP_XOWNERCOM_BYASID	BIT
250	(FA)	BITSTRING	1	CPHAP_XFLAGS6	FIELD_LABEL
		1...		CPHAP_XV64COMMON_NO	BIT
		.1..		CPHAP_XMEMLIMIT_NO	BIT
		..1.		CPHAP_XDETACHFIXED_YES	BIT
		...1		CPHAP_XDOAUTHCHECKS_YES	BIT
		.... 1...		CPHAP_XLOCALSYSAREA_YES	BIT

IAXCPHA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		CPHAP_XAMOUNTSIZE_4K	BIT
		.... ..1.		CPHAP_XAMOUNTSIZE_1MEG	BIT
		.... ...1		CPHAP_XFLAGS6_RSVD1	BIT
251	(FB)	BITSTRING	1	CPHAP_XFLAGS7	FIELD_LABEL
		1...		CPHAP_KEYUSED_DUMP	BIT
		.1..		CPHAP_KEYUSED_OPTIONVALUE	BIT
		..1.		CPHAP_KEYUSED_SVC DUMPRGN	BIT
		...1		CPHAP_XATTRIBUTE_DEFS	BIT
		.... 1...		CPHAP_XATTRIBUTE_OWNERGONE	BIT
		.... .1..		CPHAP_XATTRIBUTE_NOTOWNERGONE	BIT
		.... ..1.		CPHAP_XTRACKINFO_YES	BIT
		.... ...1		CPHAP_XUNLOCKED_YES	BIT
252	(FC)	UNSIGNED	1	CPHAP_XDUMP	XDUMP
253	(FD)	BITSTRING	1	CPHAP_XFLAGS8	FIELD_LABEL
		1...		CPHAP_XPAGEFRAMESIZE_PAGEABLE1MEG	BIT
		.1..		CPHAP_XPAGEFRAMESIZE_DREF1MEG	BIT
		..11 1111		CPHAP_XFLAGS8_RSVD1	BIT
254	(FE)	UNSIGNED	2	CPHAP_XOWNERASID	XOWNERASID
256	(100)	UNSIGNED	1	CPHAP_XOPTIONVALUE	XOPTIONVALUE
257	(101)	CHARACTER	8	CPHAP_XRSV0001	RESERVED
265	(109)	CHARACTER	8	CPHAP_XOWNERJOBNAME	XOWNERJOBNAME
273	(111)	CHARACTER	7	CPHAP_XRSV0004	RESERVED
280	(118)	ADDRESS	8	CPHAP_XDMAPAGETABLE	XDMAPAGETABLE
288	(120)	UNSIGNED	8	CPHAP_XUNITS	XUNITS
296	(128)	BITSTRING	1	CPHAP_XFLAGS9	FIELD_LABEL
		1...		CPHAP_KEYUSED_UNITS	BIT
		.1..		CPHAP_XUNITSIZE_1M	BIT
		..1.		CPHAP_XUNITSIZE_2G	BIT
		...1		CPHAP_XPAGEFRAMESIZE_1M	BIT
		.... 1...		CPHAP_XPAGEFRAMESIZE_2G	BIT
		.... .1..		CPHAP_XTYPE_FIXED	BIT
		.... ..11		CPHAP_XFLAGS9_RSVD1	BIT
297	(129)	CHARACTER	7	CPHAP_XRSV0005	RESERVED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
160	(A0)	STRUCTURE	8	*	DEFINED
160	(A0)	UNSIGNED	8	CPHAP_XOUTMOTKN	XOUTMOTKN

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
160	(A0)	STRUCTURE	8	*	DEFINED
160	(A0)	UNSIGNED	8	CPHAP_XMOTKN	XMOTKN
168	(A8)	CHARACTER	0	*	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
144	(90)	STRUCTURE	16	*	
144	(90)	CHARACTER	12	*	
156	(9C)	CHARACTER	4	CPHAPTCBFROMTTOKEN	TCB that owns MO

IAXCPHA Constants

Len	Type	Value	Name	Description
1	DECIMAL		CPHAB_XREQUEST_GETSTOR	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_GETSHARED	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_DETACH	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PAGEFIX	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PAGEUNFIX	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PAGEOUT	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_DISCARDATA	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PAGEIN	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PROTECT	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_SHAREMEMOBJ	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_CHANGEACCESS	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_UNPROTECT	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_CHANGEGUARD	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_LIST	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_GETCOMMON	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_COUNTPAGES	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PCIEFIX	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PCIEUNFIX	XREQUEST
1	DECIMAL		CPHAB_XDUMP_NO	XDUMP
1	DECIMAL		CPHAB_XDUMP_LIKESQA	XDUMP
1	DECIMAL		CPHAB_XDUMP_LIKECSA	XDUMP
1	DECIMAL		CPHAB_XDUMP_LIKERGN	XDUMP
1	DECIMAL		CPHAB_XDUMP_LIKELSQA	XDUMP
1	DECIMAL	255	CPHAB_XDUMP_ALL	XDUMP Needed for parm length
1	DECIMAL		CPHAB_XREQUEST_GETSTOR	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_GETSHARED	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_DETACH	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PAGEFIX	XREQUEST
1	DECIMAL		CPHAB_XREQUEST_PAGEUNFIX	

IAXCPHA Constants

Len	Type	Value	Name	Description
1	DECIMAL	6	CPHAP_XREQUEST_PAGEOUT	XREQUEST
1	DECIMAL	7	CPHAP_XREQUEST_DISCARDATA	XREQUEST
1	DECIMAL	8	CPHAP_XREQUEST_PAGEIN	XREQUEST
1	DECIMAL	9	CPHAP_XREQUEST_PROTECT	XREQUEST
1	DECIMAL	10	CPHAP_XREQUEST_SHAREMEMOBJ	XREQUEST
1	DECIMAL	11	CPHAP_XREQUEST_CHANGEACCESS	XREQUEST
1	DECIMAL	12	CPHAP_XREQUEST_UNPROTECT	XREQUEST
1	DECIMAL	13	CPHAP_XREQUEST_CHANGEGUARD	XREQUEST
1	DECIMAL	14	CPHAP_XREQUEST_LIST	XREQUEST
1	DECIMAL	15	CPHAP_XREQUEST_GETCOMMON	XREQUEST
1	DECIMAL	16	CPHAP_XREQUEST_COUNTPAGES	XREQUEST
1	DECIMAL	17	CPHAP_XREQUEST_PCIEFIX	XREQUEST
1	DECIMAL	18	CPHAP_XREQUEST_PCIEUNFIX	XREQUEST
1	DECIMAL	1	CPHAP_XDUMP_NO	XDUMP
1	DECIMAL	2	CPHAP_XDUMP_LIKESQA	XDUMP
1	DECIMAL	3	CPHAP_XDUMP_LIKECSA	XDUMP
1	DECIMAL	32	CPHAP_XDUMP_LIKERGN	XDUMP
1	DECIMAL	33	CPHAP_XDUMP_LIKELSQA	XDUMP
1	DECIMAL	255	CPHAP_XDUMP_ALL	XDUMP

Comment

CPHA CONSTANTS

End of Comment

4	CHARACTER	CPHA	CPHAIDEYE	Eyecatcher
4	DECIMAL	203	CPHASUBPOOLPVT	Subpool used for the CPHA when it is a private area pool
4	DECIMAL	245	CPHASUBPOOLCOM	Subpool used for the CPHA when it is a common area pool the same size as the CPHA.
4	DECIMAL	512	CPHAPOOLSIZE	CPHAs are obtained with IARST64 GET as long as the pool being build is not for the same size as the pool used for the CPHA. This avoids recursive gets.
4	DECIMAL	0	CPHAOFFSETCHECK_CPHAEXT	Check for Quadword

IAXCPHA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPHA	0				
CPHAB	0				
CPHAB_KEYUSED_CONVERTSIZE64	4	04	CPHAB_XFLAGS1	2	1F
CPHAB_KEYUSED_CONVERTSTART	4	10	CPHAB_XFLAGS2	4	
CPHAB_KEYUSED_DUMP	7B	80	CPHAB_XFLAGS3	5	
CPHAB_KEYUSED_GUARDSIZE64	4	08	CPHAB_XFLAGS4	6	
CPHAB_KEYUSED_KEY	4	80	CPHAB_XFLAGS5	7	
CPHAB_KEYUSED_MOTKN	4	02	CPHAB_XFLAGS6	79	
CPHAB_KEYUSED_OPTIONVALUE	7B	40	CPHAB_XFLAGS6_RSVD1	7A	
CPHAB_KEYUSED_OWNERJOBNAME	4	01	CPHAB_XFLAGS7	7A	01
CPHAB_KEYUSED_SVCDUMPRGN	7B	20	CPHAB_XFLAGS8	7B	
CPHAB_KEYUSED_TTOKEN	4	20	CPHAB_XFLAGS8_RSVD1	7D	
CPHAB_KEYUSED_UNITS	A8	80	CPHAB_XFLAGS9	7D	3F
CPHAB_KEYUSED_USERTKN	4	40	CPHAB_XFLAGS9_RSVD1	A8	
CPHAB_XAFFINITY_SYSTEM	6	40	CPHAB_XFPROT_NO	A8	03
CPHAB_XALETVALUE	48		CPHAB_XGUARDLOC_HIGH	5	40
CPHAB_XAMOUNTSIZE_1MEG	7A	02	CPHAB_XGUARDLOC_HIGH	5	10
CPHAB_XAMOUNTSIZE_4K	7A	04	CPHAB_XGUARDSIZE	40	
CPHAB_XATTRIBUTE_DEFS	7B	10	CPHAB_XGUARDSIZE64	68	
CPHAB_XATTRIBUTE_NOTOWNERGONE	7B	04	CPHAB_XKEEPREAL_NO	7	01
CPHAB_XATTRIBUTE_OWNERGONE	7B	08	CPHAB_XKEY	3	
CPHAB_XCHANGEACCESS_GLOBAL	5	08	CPHAB_XLOCALSYSAREA_YES	7A	08
CPHAB_XCLEAR_NO	7	40	CPHAB_XLONG_NO	7	80
CPHAB_XCOND_YES	5	80	CPHAB_XMATCH_MOTOKEN	2	20
CPHAB_XCONTROL_AUTH	5	20	CPHAB_XMATCH_USERTOKEN	6	80
CPHAB_XCONVERT_FROMGUARD	7	02	CPHAB_XMEMLIMIT_NO	7A	40
CPHAB_XCONVERT_TOGUARD	7	04	CPHAB_XMEMOBJSTART	38	
CPHAB_XCONVERTSIZE	44		CPHAB_XMOTKN	20	
CPHAB_XCONVERTSIZE64	60		CPHAB_XMOTKNCREATOR_SYSTEM	2	40
CPHAB_XCONVERTSTART	58		CPHAB_XMOTKNSOURCE_SYSTEM	2	80
CPHAB_XDETACHFIXED_YES	7A	20	CPHAB_XNUMRANGE	4C	
CPHAB_XDMAPAGETABLE	98		CPHAB_XOPTIONVALUE	80	
CPHAB_XDOAUTHCHECKS_YES	7A	10	CPHAB_XORDER_DUMPRIORITY	79	40
CPHAB_XDUMP	7C		CPHAB_XORIGIN	28	
CPHAB_XDUMPPRIORITY	78		CPHAB_XOUTMOTKN	20	
CPHAB_XDUMPPROTOCOL_YES	79	80	CPHAB_XOWNER_NO	6	10
CPHAB_XFLAGS0	2		CPHAB_XOWNERASID	7E	
CPHAB_XFLAGS0_RSVD1			CPHAB_XOWNERCOM_BYASID	79	01
			CPHAB_XOWNERCOM_HOME	79	08
			CPHAB_XOWNERCOM_PRIMARY		

IAXCPHA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPHAB_XOWNERCOM_SYSTEM	79	04	CPHAB_XV64SHARED_NO	6	02
CPHAB_XOWNERJOBNAME	79	02	CPHACELLSIZE	44	
CPHAB_XPAGEFRAMESIZE_ALL	89		CPHACELLSZ	4C	
CPHAB_XPAGEFRAMESIZE_DREF1MEG	5	01	CPHACELLSZREQ	40	
CPHAB_XPAGEFRAMESIZE_MAX	7D	40	CPHACPHD	38	
CPHAB_XPAGEFRAMESIZE_PAGEABLE1MEG	5	02	CPHAEXT	60	
CPHAB_XPAGEFRAMESIZE_1M	7D	80	CPHAEXTANC	60	
CPHAB_XPAGEFRAMESIZE_1MEG	A8	10	CPHAEXTSEQ	68	
CPHAB_XPAGEFRAMESIZE_2G	5	04	CPHAFLG1	5	
CPHAB_XRANGLIST	A8	08	CPHAF1FIXED	5	80
CPHAB_XREQUEST	30		CPHAF1ST64	5	20
CPHAB_XRSV0001	1		CPHAF1TRY1MPAGESIZE	5	40
CPHAB_XRSV0004	81		CPHAID	0	
CPHAB_XRSV0005	91		CPHAKEY	6	
CPHAB_XSEGMENTS	A9		CPHALOCSYSA	5	10
CPHAB_XSVCDUMPRGN_ALL	6	01	CPHANEXT	C	
CPHAB_XSVCDUMPRGN_NO	6	04	CPHANUMCAEPAGESTOFIX	48	
CPHAB_XTRACKINFO_YES	7B	02	CPHANUMCELLPAGESTOFIX	49	
CPHAB_XTTOKEN	10		CPHAP	80	
CPHAB_XTYPE_DREF	79	10	CPHAP_KEYUSED_CONVERTSIZE64	84	04
CPHAB_XTYPE_FIXED	A8	04	CPHAP_KEYUSED_CONVERTSTART	84	10
CPHAB_XTYPE_PAGEABLE	79	20	CPHAP_KEYUSED_DUMP	FB	80
CPHAB_XUNITS	A0		CPHAP_KEYUSED_GUARDSIZE64	84	08
CPHAB_XUNITSIZE_1M	A8	40	CPHAP_KEYUSED_KEY	84	80
CPHAB_XUNITSIZE_2G	A8	20	CPHAP_KEYUSED_MOTKN	84	02
CPHAB_XUNLOCKED_YES	7B	01	CPHAP_KEYUSED_OPTIONVALUE	FB	40
CPHAB_XUSERTKN	20		CPHAP_KEYUSED_OWNERJOBNAME	84	01
CPHAB_XUSERTOKEN	70		CPHAP_KEYUSED_SVCDUMPRGN	FB	20
CPHAB_XUSE2GTO32G_YES	6	20	CPHAP_KEYUSED_TTOKEN	84	20
CPHAB_XVERSION	0		CPHAP_KEYUSED_UNITS	128	80
CPHAB_XVIEW_HIDDEN	7	08	CPHAP_KEYUSED_USERTKN	84	40
CPHAB_XVIEW_READONLY	7	20	CPHAP_XAFFINITY_SYSTEM	86	40
CPHAB_XVIEW_SHAREDWRITE	7	10	CPHAP_XALETVALUE	C8	
CPHAB_XV64COMMON_NO	7A	80	CPHAP_XAMOUNTSIZE_1MEG	FA	02
CPHAB_XV64LISTLENGTH	54		CPHAP_XAMOUNTSIZE_4K	FA	04
CPHAB_XV64LISTPTR	50		CPHAP_XATTRIBUTE_DEFS	FB	10
CPHAB_XV64SELECT_NO	6	08	CPHAP_XATTRIBUTE_NOTOWNERGONE	FB	04
			CPHAP_XATTRIBUTE_OWNERGONE	FB	08
			CPHAP_XCHANGEACCESS_GLOBAL	85	08
			CPHAP_XCLEAR_NO	87	40
			CPHAP_XCOND_YES	85	80
			CPHAP_XCONTROL_AUTH	85	20
			CPHAP_XCONVERT_FROMGUARD	87	02
			CPHAP_XCONVERT_TOGUARD	87	04

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPHAP_XCONVERTSIZE				CC	
	C4		CPHAP_XOPTIONVALUE		
CPHAP_XCONVERTSIZE64				100	
	E0		CPHAP_XORDER_DUMPRIORITY		
CPHAP_XCONVERTSTART				F9	40
	D8		CPHAP_XORIGIN		
CPHAP_XDETACHFIXED_YES				A8	
	FA	20	CPHAP_XOUTMOTKN		
CPHAP_XDMPAGETABLE				A0	
	118		CPHAP_XOWNER_NO		
CPHAP_XDOAUTHCHECKS_YES				86	10
	FA	10	CPHAP_XOWNERASID		
CPHAP_XDUMP				FE	
CPHAP_XDUMPPRIORITY			CPHAP_XOWNERCOM_BYASID		
	F8			F9	01
CPHAP_XDUMPPROTOCOL_YES			CPHAP_XOWNERCOM_HOME		
	F9	80		F9	08
CPHAP_XFLAGS0			CPHAP_XOWNERCOM_PRIMARY		
	82			F9	04
CPHAP_XFLAGS0_RSVD1			CPHAP_XOWNERCOM_SYSTEM		
	82	1F		F9	02
CPHAP_XFLAGS1			CPHAP_XOWNERJOBNAME		
	84			109	
CPHAP_XFLAGS2			CPHAP_XPAGEFRAMESIZE_ALL		
	85			85	01
CPHAP_XFLAGS3			CPHAP_XPAGEFRAMESIZE_DREF1MEG		
	86			FD	40
CPHAP_XFLAGS4			CPHAP_XPAGEFRAMESIZE_MAX		
	87			85	02
CPHAP_XFLAGS5			CPHAP_XPAGEFRAMESIZE_PAGEABLE1MEG		
	F9			FD	80
CPHAP_XFLAGS6			CPHAP_XPAGEFRAMESIZE_1M		
	FA			128	10
CPHAP_XFLAGS6_RSVD1			CPHAP_XPAGEFRAMESIZE_1MEG		
	FA	01		85	04
CPHAP_XFLAGS7			CPHAP_XPAGEFRAMESIZE_2G		
	FB			128	08
CPHAP_XFLAGS8			CPHAP_XRANGLIST		
	FD			B0	
CPHAP_XFLAGS8_RSVD1			CPHAP_XREQUEST		
	FD	3F		81	
CPHAP_XFLAGS9			CPHAP_XRSV0001		
	128			101	
CPHAP_XFLAGS9_RSVD1			CPHAP_XRSV0004		
	128	03		111	
CPHAP_XFPROT_NO			CPHAP_XRSV0005		
	85	40		129	
CPHAP_XGUARDLOC_HIGH			CPHAP_XSEGMENTS		
	85	10		88	
CPHAP_XGUARDSIZE			CPHAP_XSVCUMPRGN_ALL		
	C0			86	01
CPHAP_XGUARDSIZE64			CPHAP_XSVCUMPRGN_NO		
	E8			86	04
CPHAP_XKEEPREAL_NO			CPHAP_XTRACKINFO_YES		
	87	01		FB	02
CPHAP_XKEY			CPHAP_XTOKEN		
CPHAP_XLOCALSYSAREA_YES				90	
	FA	08	CPHAP_XTYPE_DREF		
CPHAP_XLONG_NO				F9	10
	87	80	CPHAP_XTYPE_FIXED		
CPHAP_XMATCH_MOTOKEN				128	04
	82	20	CPHAP_XTYPE_PAGEABLE		
CPHAP_XMATCH_USERTOKEN				F9	20
	86	80	CPHAP_XUNITS		
CPHAP_XMEMLIMIT_NO			CPHAP_XUNITSIZE_1M		
	FA	40		128	40
CPHAP_XMEMOBJSTART			CPHAP_XUNITSIZE_2G		
	B8			128	20
CPHAP_XMOTKN			CPHAP_XUNLOCKED_YES		
CPHAP_XMOTKNCREATOR_SYSTEM				FB	01
	82	40	CPHAP_XUSERTKN		
CPHAP_XMOTKNSOURCE_SYSTEM				A0	
	82	80	CPHAP_XUSERTOKEN		
CPHAP_XNUMRANGE				F0	

IAXCPHA Cross Reference

Name	Hex Offset	Hex Value
CPHAP_XUSE2GTO32G_YES	86	20
CPHAP_XVERSION	80	
CPHAP_XVIEW_HIDDEN	87	08
CPHAP_XVIEW_READONLY	87	20
CPHAP_XVIEW_SHAREDWRITE	87	10
CPHAP_XV64COMMON_NO	FA	80
CPHAP_XV64LISTLENGTH	D4	
CPHAP_XV64LISTPTR	D0	
CPHAP_XV64SELECT_NO	86	08
CPHAP_XV64SHARED_NO	86	02
CPHAPAGEFIXCAEMASK	8	
CPHAPTCBFROMTTOKEN	9C	
CPHARSV1	7	
CPHARSV2	28	
CPHARSV3	50	
CPHARSV4	70	
CPHASP	4	
CPHAUSERDATA	10	
CPHAUSERTKN	30	
CPHAV64PL	80	

IAXCPHD Information

IAXCPHD Heading Information

Common Name: RSM Cell Pool Header
Macro ID: IAXCPHD
DSECT Name: CPHD
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: CPHD
 Offset: 0
 Length: 4 bytes
Storage Attributes: Virtual Storage: YES
 Subpool: Resides in 64 bit storage with the same attributes of the cell pool that it manages.
 Key: Key of the pool
 Data Space: NO
 Residency: Above the bar
Size: ??? bytes
Created by: IARCYBLD
Pointed to by: Cell pool ID returned from IARCP64 BUILD
 CPHACPHD points back to the header.
Serialization: CDSG is used to update queue headers.
Function: The CPHD contains a the anchors for a 64 bit cell pool.
 1. Anchor to free chain of cells.
 2. Pointer to the next free cell in the active extent.
 3. Pointer to the CPHA that contains things the user of the pools should not be able to modify.

IAXCPHD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	256	CPHD	Note that the CPHD is always on a page boundary at the start of a meg.
0	(0)	CHARACTER	80	CPHDCOMMON	Data that is common to all extents in the pool
0	(0)	CHARACTER	16	CPHDVERIFYAREA	Area copied with caller's key during IARCP64 DELETE process
0	(0)	CHARACTER	4	CPHDID	Cphd control block identifier
4	(4)	CHARACTER	1	CPHD TYP	EBCDIC character to identify the type of Cphd M for Main extent S for Secondary extent
5	(5)	BITSTRING	1	CPHD FLG1	Flag bits
		1...		CPHDTRAILERACTIVE	As long as the requested size is at least 4 bytes less than the rounded up cell size, a trailer will be set in the cell on GET and tested on FREE to detect cell overruns.
		.1..		CPHDPRESERVE	Data in cells should not be overlaid with DIAGxx DIRTY processing.
		..1.		CPHDST64	Indicates that this Cellpool is part of an IARST64 pool
		...1		CPHD COULDBEDISABLED	This pool is fixed or DREF, so caller can be disabled.
6	(6)	CHARACTER	2	CPHDRSV1	Reserved
8	(8)	ADDRESS	8	CPHD CPHA	Address of the CPHA containing cell pool stuff we don't want the user to be able to alter. Note that after a fork, this pointer in a secondary extent is likely incorrect. We don't use it from extents, so that's OK.
Comment					
Start Quadword 2					
End of Comment					
16	(10)	CHARACTER	64	CPHDRESTOFCOMMON	Area copied with caller's key
16	(10)	UNSIGNED	4	CPHDCASPC	Control Area space.
20	(14)	UNSIGNED	4	CPHDCAESIZE	Size of a single control area element.
24	(18)	ADDRESS	8	CPHD CPHD	Address of main CPHD for the cell pool
Comment					
Start Quadword 3					
End of Comment					
32	(20)	CHARACTER	24	CPHDUSERDATA	Caller provided test string to make it easy to spot cell pool extents in a dump.
56	(38)	UNSIGNED	4	CPHDCELLSIZE	Size of the cells in this pool. This is the size after the build routine has rounded the user's request to the appropriate boundary.

IXCPHD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	UNSIGNED	4	CPHDHIIDX	Highest index into control array makes for faster test. This +1 is the number of cells in an extent
Comment					
Start Quadword 5					
End of Comment					
64	(40)	CHARACTER	16	CPHDRSV2	Reserved for common stuff
Comment					
Start Quadword 6					
End of Comment					
80	(50)	CHARACTER	48	CPHDUNIQUE	Data unique to each extent
80	(50)	CHARACTER	16	CPHDUANCHORS	Anchors for this extent.
80	(50)	ADDRESS	8	CPHDCAANC	Address of the control array in the extent.
88	(58)	ADDRESS	8	CPHDCELLANC	Address of the first cell in the extent.
Comment					
Start Quadword 8					
End of Comment					
96	(60)	CHARACTER	16	CPHDUEXTCHAIN	Extent chain.
96	(60)	ADDRESS	8	CPHDURSV1	Reserved for a sequence number if we ever add logic to compress a pool and need to remove CPHDs from the chain with CDSG.
104	(68)	ADDRESS	8	CPHDNEXTTEXT	Address of the next extent in the chain. Update with CSG. No seq number needed since nothing is ever removed from the chain
112	(70)	CHARACTER	16	CPHDUOTHER	Other stuff unique to this extent.
112	(70)	BITSTRING	1	CPHDUFLG	Flag bits
		1... ..		CPHDU1MPAGESIZE	This extent was allocated with a 1M page size.
113	(71)	CHARACTER	15	CPHDURSV2	Reserved
Comment					
Start Quadword 8					
End of Comment					
128	(80)	CHARACTER	48	CPHDMAIN	Data used only in main extent
Comment					
Quadword alignment is required for the following anchors since they are updated with CDSG.					
End of Comment					
128	(80)	CHARACTER	16	CPHDFREECH	Anchor for free chain of cells. Serialization: CDSG with an incremented sequence number. MUST BE QUADWORD BOUNDARY
128	(80)	ADDRESS	8	CPHDFREEANC	Pointer to the first free control array element in a LIFO queue. When the queue is empty, this will have a value of CphdEndQ.
136	(88)	UNSIGNED	8	CPHDFREESEQ	Sequence number for the CDSG to update.
Comment					
Start Quadword 8					
End of Comment					
144	(90)	CHARACTER	16	CPHDHWM	Pointer to the High Water Mark in the active extent. Serialization: CDSG with an incremented sequence number. MUST BE QUADWORD BOUNDARY
144	(90)	ADDRESS	8	CPHDHWMANC	Pointer to the control array element that is at the HWM. or zero if the active extent has been consumed and a new extent is needed.
152	(98)	UNSIGNED	8	CPHDHWMSEQ	Sequence number for the CDSG to update.
160	(A0)	CHARACTER	16	CPHDRSV2	Reserved
Comment					
Start Quadword 8					
End of Comment					
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	CPHDCAEST64	Control array element for IARST64

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	CHARACTER	16	CPHDCAECP64	Control array element for IARCP64
0	(0)	ADDRESS	8	CPHDCAENEXT	Address of next free cell or other control info.
0	(0)	ADDRESS	8	CPHDCAEREQUESTOR	Return address of the requestor for the cell
0	(0)	BITSTRING	7	*	
7	(7)	.... ..1		CPHDCAEINUSE	0 - cell is on the free Q 1 - cell is in use
8	(8)	BITSTRING	1	CPHDCAEFLAG1	Flags
		1... ..		CPHDCAEFTRACE	A system trace entry was created on GET and needs to be done on FREE.
9	(9)	BITSTRING	1	CPHDCAERSV	Reserved
10	(A)	SIGNED	2	CPHDCAEOWNERASID	Owner ASID when cell is in a common IARST64 pool
12	(C)	UNSIGNED	4	CPHDCAESIZEREQ	Size of cell requested if at least 4 bytes less than the cell size, we can do a trailer.
16	(10)	CHARACTER	8	CPHDCAESTCK	Timestamp of when the cell was obtained or freed.
24	(18)	CHARACTER	8	CPHDCAERSV2	Reserved

IAXCPHD Constants

Len	Type	Value	Name	Description
Comment				
CPHD CONSTANTS				
End of Comment				
4	CHARACTER	CPHD	CPHDIDEYE	Eyecatcher
1	CHARACTER	M	CPHDTYPEMAIN	Eyecatcher extension indicates the main CPHD for this pool
1	CHARACTER	S	CPHDTYPESEC	Eyecatcher extension indicates a secondary extent for this pool.
8	NUMB HEX	0000000008000000	CPHDENDQ	Value used to indicate an empty queue or end of queue.
2	HEX	0001	CPHDLOWBIT	Mask to set low bit on in control array entry to indicate the cell is in use with the address being the return @ of the requestor.
8	HEX	FFFFFFFFF00000	CPHDMEGMASK	Mask used to round an address to a meg boundary to get to the CPHD for this extent.
1	HEX	4F	CPHDDEFAULTPAD	Default pad character if not set in DGNB
4	CHARACTER	A2C4	CPHDTRAILER	Trailer characters that are placed at the end of a cell to detect overruns.
4	DECIMAL	0	CPHDOFFSETCHECK_CPHDFREECH	Check for Quadword
4	DECIMAL	0	CPHDOFFSETCHECK_CPHDHWM	Check for Quadword

IAXCPHD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPHD	0			5	10
CPHDCAANC	50		CPHDCPHA	8	
CPHDCAECP64	0		CPHDCPHD	18	
CPHDCAEFLAG1	8		CPHDFLG1	5	
CPHDCAEFTRACE			CPHDFREEANC	80	
	8	80	CPHDFREECH	80	
CPHDCAEINUSE	7	01	CPHDFREESEQ	88	
CPHDCAENEXT	0		CPHDHIIDX	3C	
CPHDCAEOWNERASID			CPHDHWM	90	
	A		CPHDHWMANC	90	
CPHDCAEREQUESTOR			CPHDHWMSEQ	98	
	0		CPHDID	0	
CPHDCAERSV	9		CPHDMAIN	80	
CPHDCAERSV2	18		CPHDNEXTTEXT	68	
CPHDCAESIZE	14		CPHDPRESERVE	5	40
CPHDCAESIZEREQ			CPHDRESTOFCOMMON		
	C			10	
CPHDCAESTCK	10		CPHDRSV1	6	
CPHDCAEST64	0		CPHDRSV2	40	
CPHDCASPC	10		CPHDRSV2	A0	
CPHDCELLANC	58		CPHDST64	5	20
CPHDCELLSIZE	38		CPHDTRAILERACTIVE		
CPHDCOMMON	0			5	80
CPHDCOULDBEDISABLED			CPHDTYPE	4	

IAXCPHD Cross Reference

Name	Hex Offset	Hex Value
CPHDUANCHORS	50	
CPHDUEXTCHAIN	60	
CPHDUFLG	70	
CPHDUNIQUE	50	
CPHDUOTHER	70	
CPHDURSV1	60	
CPHDURSV2	71	
CPHDUSERDATA	20	
CPHDU1MPAGESIZE	70	80
CPHDVERIFYAREA	0	

IAXDAB Information

IAXDAB Heading Information

Common Name: DATA SPACE ADDRESS SPACE BLOCK
Macro ID: IAXDAB
DSECT Name: DAB
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: DAB
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: YES
 Virtual Storage: YES
 Auxiliary Storage: N/A
 Subpool: 245
 Key: 0
 Data Space: N/A
 Residency: Above 16M
Size: See Assembler Listing
Created by: DSPSERV CREATE (WHEN ADDRESS SPACE OWNS NO OTHER USER DATA SPACE)
Pointed to by: RABDAB
 FREQUENCY: ONE DAB PER ADDRESS SPACE OWNING AT LEAST ONE DATA SPACE.
Serialization: ADDRESS SPACE LEVEL LOCK FOR ADDRESS SPACE
 INITIALIZED BY: DSPSERV CREATE
 DESTROYED BY: NEVER
Function: THE DAB IS AN EXTENSION OF THE RAB AND CONTAINS ADDRESS SPACE RELATED INFORMATION ABOUT DATA SPACES.

IAXDAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	120	DAB	
0	(0)	CHARACTER	4	DABID	DAB CONTROL BLOCK ID
4	(4)	ADDRESS	4	DABRAB	ADDRESS OF THE RAB
8	(8)	UNSIGNED	4	DABDSPCT	NUMBER OF USER KEY DATA SPACES CURRENTLY OWNED BY TASKS IN THIS ADDRESS SPACE
12	(C)	CHARACTER	8	DABFIRSTUDDLOCATOR	Ptr and Alet that locates first Udd on the In-Use Queue
12	(C)	ADDRESS	4	DABIUUQF	POINTER TO THE FIRST UDD ON THE IN-USE UDD QUEUE (IUUQ)
16	(10)	UNSIGNED	4	DABIUUAF	ALET OF THE FIRST UDD ON THE IN-USE UDD QUEUE
20	(14)	CHARACTER	8	DABLASTUDDLOCATOR	Ptr and Alet that locates last Udd on the In-Use Queue
20	(14)	ADDRESS	4	DABIUUQL	POINTER TO THE LAST UDD ON THE IN-USE UDD QUEUE
24	(18)	UNSIGNED	4	DABIUUAL	ALET OF THE LAST UDD ON THE IN-USE UDD QUEUE
28	(1C)	ADDRESS	4	*	Reserved
32	(20)	ADDRESS	4	*	Reserved
36	(24)	ADDRESS	4	*	Reserved
40	(28)	ADDRESS	4	*	Reserved
Comment					
4 DABDDFQF PTR(31), POINTER TO THE FIRST FRAME ON DEFERRED DELETE FRAME QUEUE (DDFQ)					
4 DABDDFQL PTR(31), POINTER TO THE LAST FRAME ON DEFERRED DELETE FRAME QUEUE					
End of Comment					
44	(2C)	ADDRESS	4	*	Reserved
48	(30)	ADDRESS	4	*	Reserved
52	(34)	ADDRESS	4	*	Reserved
56	(38)	ADDRESS	4	*	Reserved
60	(3C)	ADDRESS	4	*	Reserved
64	(40)	ADDRESS	4	*	Reserved
68	(44)	ADDRESS	4	DABDSCQF	POINTER TO THE FIRST FCB ON THE DATA SPACE CONTROL QUEUE
72	(48)	ADDRESS	4	DABDSCQL	POINTER TO THE LAST FCB ON THE DATA SPACE CONTROL QUEUE
76	(4C)	ADDRESS	4	DABRVRQF	POINTER TO THE FIRST RVR ON THE USER DATA SPACE RVR QUEUE
80	(50)	ADDRESS	4	DABRVRQL	POINTER TO THE LAST RVR ON THE USER DATA SPACE RVR QUEUE
84	(54)	ADDRESS	4	DABDVCQF	POINTER TO FIRST FCB ON THE DATASPACE VDAC CONTROL QUEUE (DVCQ)

IAXDAB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
88	(58)	ADDRESS	4	DABDVCQL	POINTER TO LAST FCB ON THE DATASPACE VDAC CONTROL QUEUE (DVCQ)
92	(5C)	SIGNED	4	DABNXGNP	NEXT GENERATED NAME PREFIX
96	(60)	SIGNED	4	DABCNMGN	NUMBER OF CURRENTLY OWNED DATA SPACES WITH GENERATED NAMES FOR THIS ADDRESS SPACE.
100	(64)	ADDRESS	4	*	Reserved
104	(68)	ADDRESS	4	*	Reserved
108	(6C)	BITSTRING	1	DABFLGS1	FLAG BYTE
		1...		DABHSPTZ	PDFQ MAY CONTAIN A NON-SHARED HIPERSPACE PAGE TABLE WITH A ZERO FIX COUNT.
		.1.		DABSHARE	SOME UDS AT ONE TIME CONTAINED SHARED PAGES
		..1.		DABMEGAROOED	Some UDS contains shared segments
		...1 1111		*	RESERVED
109	(6D)	CHARACTER	3	*	RESERVED
112	(70)	ADDRESS	8	DABFCUR	PDFQ PREF STEAL CURSOR OR ZERO
120	(78)	CHARACTER	0	*	KEEP DAB A MULTIPLE OF 8 BYTES

IAXDAB Cross Reference

Name	Hex Offset	Hex Value
DAB	0	
DABCNMGN	60	
DABDSCQF	44	
DABDSCQL	48	
DABDSPCT	8	
DABDVCQF	54	
DABDVCQL	58	
DABFCUR	70	
DABFIRSTUDDLOCATOR	C	
DABFLGS1	6C	
DABHSPTZ	6C	80
DABID	0	
DABIUUF	10	
DABIUUAL	18	
DABIUUQF	C	
DABIUUQL	14	
DABLASTUDDLOCATOR	14	
DABMEGAROOED	6C	20
DABNXGNP	5C	
DABRAB	4	
DABRVRQF	4C	
DABRVRQL	50	
DABSHARE	6C	40

IAXHP1 Information

IAXHP1 Heading Information

Common Name: RSM Heap Pool Level 1 block
Macro ID: IAXHP1
DSECT Name: HP1
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: HP1
 Offset: 0
 Length: 6 bytes
Storage Attributes: Virtual Storage: YES
 Subpool: 245, EXTENDED SQA (FIXED COMMON) or Nucleus
 Key: 0
 Data Space: NO
 Residency: MUST be above 16 Megabytes virtual
Size: ??? bytes
Created by: IAXMA????
Pointed to by: ECVTHP1 FIELD OF THE ECVT DATA AREA
 STCBHP1 FIELD OF THE STCB DATA AREA
Serialization: CSG to set a pointer in the HP1. Loser
 frees the HP2 that it would have pointed to.
Function: The HP1 contains an array of anchors to Heap Pool 2 blocks.
 Each entry in the HP1 represents a set of storage
 characteristics:
 Fetch protected or Not Fetch protected
 System Key 0-7 for common HP1, Key 0-15 for private HP1
 Type - pagable, DREF, Fixed
 Note that FIXED TYPE is only supported in key 0.

IAXHP1 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	HP1	
0	(0)	CHARACTER	16	HP1_STATIC	Fixed size part of HP1
0	(0)	CHARACTER	6	HP1ID	HP1 Control block identifier
6	(6)	CHARACTER	1	HP1TYP	EBCDIC character to identify the type of hp1 C for Common area HP1, P for Private area HP1
7	(7)	BITSTRING	1	HP1FLGS1	Flag byte 1
8	(8)	UNSIGNED	1	HP1ENTRIES	Number of entries in the HP1HP2 array.
9	(9)	CHARACTER	7	HP1RSV1	Reserved
16	(10)	CHARACTER	*	HP1_VARIABLE	Variable size part of HP1
16	(10)	ADDRESS	8	HP1HP2 (*)	Array of pointers to HP2s Serialization: CSG used to set each pointer in Hp1Hp2 HP1 when attribute set is first used.

IAXHP1 Constants

Len	Type	Value	Name	Description
6	CHARACTER	IAXHP1	HP1IDEYE	Eyecatcher
4	DECIMAL		HP1#CATTRHI	Highest index into HP1HP2 for the common HP1.
4	DECIMAL		HP1#PATTRHI	Highest index into HP1HP2 the private HP1.
4	DECIMAL		HP1#SUBPOOLCOMMON	Subpool for HP1 used for common pools. (SQA)
4	DECIMAL		HP1#SUBPOOLPRIVATE	Subpool for HP1 used for private pools. Must be DREF and owned by the task.
1	CHARACTER	C	HP1#TYPECOMMON	Type common
1	CHARACTER	P	HP1#TYPEPRIVATE	Type Private

IAXHP2 Information

IAXHP2 Heading Information

Common Name: RSM Heap Pool Level 2 block
Macro ID: IAXHP2
DSECT Name: HP2
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: HP2
 Offset: 0
 Length: 6 bytes
Storage Attributes: Virtual Storage: YES
 Key: 0
 Data Space: NO
 Residency: Above the bar
Size: ??? bytes
Created by: IARCYSTE
Pointed to by: HP1HP2 field in the IAXHP1 data area
Serialization: CSG to set a pointer in the HP2. Loser frees the HP2 that it would have pointed to.
Function: The HP2 contains an array of anchors to Heap Pool Header blocks.
 Each entry in the HP2 represents a pool of storage cells of a fixed size. Range 64 bytes to 128K in multiples of 2.

IAXHP2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	120	HP2	
0	(0)	CHARACTER	6	HP2ID	HP2 CONTROL BLOCK IDENTIFIER
6	(6)	BITSTRING	1	HP2FLGS1	FLAG BYTE 1
7	(7)	UNSIGNED	1	HP2ENTRIES	Number of entries in the HP2Ary array.
8	(8)	ADDRESS	8	HP2HP1	Address of HP1 which owns this HP2.
16	(10)	CHARACTER	8	HP2RSV1	Reserved
24	(18)	ADDRESS	8	HP2ARY	Array of pointers to cell pool headers. Serialization: CSG from zero to the cell pool header. Loser of race frees the cell pool header. 1 represents 64 bytes ... 12 represents 128K.

IAXHP2 Constants

Len	Type	Value	Name	Description
6	CHARACTER	IAXHP2	HP2IDEYE	Eyecatcher
4	DECIMAL		HP2MINSIZE	Smallest cell obtained for requests under 65 bytes
4	DECIMAL		HP2#SUBPOOLCOMMON	Subpool for HP2 used for common pools. (SQA)
4	DECIMAL		HP2#SUBPOOLPRIVATE	Subpool for HP2 used for private pools. Must be DREF and owned by the task.

IAXPFTE Information

IAXPFTE Heading Information

Common Name: PAGE FRAME TABLE ENTRY
Macro ID: IAXPFTE
DSECT Name: PFTE
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
 Subpool: N/A (See Residency)
 Key: 0
 Residency: A dataspace called IARPFT
Size: 64 Bytes
Created by: RSM Initialization
Pointed to by: PFTFQPTR field of the PFTE Data Area
 PFTBQPTR field of the PFTE Data Area
 RITPFTE field of the RIT Data Area
 RITLPFTE field of the RIT Data Area
 RITFPFTE field of the RIT Data Area
 RITPAFQF field of the RIT Data Area
 RITPAFQL field of the RIT Data Area
 RITNAFQF field of the RIT Data Area
 RITNAFQL field of the RIT Data Area
 RITPBFQF field of the RIT Data Area
 RITPBFQL field of the RIT Data Area
 RITNBFQF field of the RIT Data Area
 RITNBFQL field of the RIT Data Area
 RITTDFQF field of the RIT Data Area
 RITTDFQL field of the RIT Data Area
 RITBDFQF field of the RIT Data Area
 RITBDFQL field of the RIT Data Area
 RITSFQF field of the RIT Data Area
 RITSFQL field of the RIT Data Area
 RITRSFQF field of the RIT Data Area
 RITRSFQL field of the RIT Data Area
 RITSBFQF field of the RIT Data Area
 RITSBFQL field of the RIT Data Area
 RITVRFQF field of the RIT Data Area
 RITVRFQL field of the RIT Data Area
 RITFVR field of the RIT Data Area
 RITLVR field of the RIT Data Area
 RITNPFTE field of the RIT Data Area
 RITPFTEC field of the RIT Data Area
 RITSFFQF field of the RIT Data Area
 RITSFFQL field of the RIT Data Area
 RITSPFQF field of the RIT Data Area
 RITSPFQL field of the RIT Data Area
 RITPHFQF field of the RIT Data Area
 RITPHFQL field of the RIT Data Area
 RITNHFQF field of the RIT Data Area
 RITNHFQL field of the RIT Data Area
 RITQSFQF field of the RIT Data Area
 RITQSFQL field of the RIT Data Area
 RITQDFQF field of the RIT Data Area
 RITQDFQL field of the RIT Data Area
 RITQHFQF field of the RIT Data Area
 RITQHFQL field of the RIT Data Area
 RIT2GPFTE field of the RIT Data Area
 RITPFTEC field of the RIT Data Area
 RITPFTAC field of the RIT Data Area
 RITGDFQF field of the RIT Data Area
 RITGDFQL field of the RIT Data Area
 RITQDPrefStealCursor field of the RIT Data Area
 RITQDStealCursor field of the RIT Data Area
 PCBPTE field of the PCB Data Area
 RABPFQF field of the RAB Data Area
 RABPFQL field of the RAB Data Area
 RABFFQF field of the RAB Data Area
 RABFFQL field of the RAB Data Area
 RABDFFQF field of the RAB Data Area
 RABDFFQL field of the RAB Data Area
Serialization: Varies
Function: Represents a FRAME to RSM

IAXPFTE Map

IAXPFTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	PFTE	
0	(0)	CHARACTER	16	PFTSECTP	PFTE Queue Pointer Section
0	(0)	CHARACTER	16	*	
0	(0)	CHARACTER	16	*	
0	(0)	ADDRESS	8	PFTFQPTR	FORWARD PFTE QUEUE POINTER
0	(0)	UNSIGNED	4	*	
4	(4)	ADDRESS	4	PFTFQPTR31	FORWARD PFTE QUEUE POINTER
8	(8)	ADDRESS	8	PFTBQPTR	BACKWARD PFTE QUEUE POINTER
8	(8)	UNSIGNED	4	*	
12	(C)	ADDRESS	4	PFTBQPTR31	BACKWARD PFTE QUEUE POINTER
16	(10)	CHARACTER	8	PFTSECTA	PFTE Queue Attributes Section
16	(10)	CHARACTER	4	PFTWORD	
16	(10)	CHARACTER	1	PFTQID	

Comment

QUEUE ID FOR CURRENT QUEUE UNLESS THE PFTE IS ON AN AVAILABLE FRAME QUEUE---- 08=>TOP-DOUBLE-FRAME-QUEUE 09=>BOTTOM-DOUBLE-FRAME-QUEUE 21=>SQA-FRAME-QUEUE 22=>RESERVED-SQA-FRAME-QUEUE 23=>REAL-STG-BUF-FRAME-QUEUE 24=>V=R-WAITING-FRAME-QUEUE 25=>General Defer Frame Queue 40=>SHARED-PAGE-FIXED-FR-QUEUE 41=>SHARED-PAGE-PAGEABLE-FR-QUEUE 81=>PAGEABLE-FRAME-QUEUE 82=>FIXED-FRAME-QUEUE 83=>DEFERRED-FREEMAIN-FR-QUEUE 84=>HIGH VIRTUAL FRAME QUEUE 85=>LOCAL QUAD FRAME QUEUE 86=>PAGE TABLE FRAME QUEUE 87=>Local Large Page Frame Queue (which includes fixed large frames for PCIE) 88=>Pageable Large Frame Queue 89=>2G Page Frame Queue A1=>PAGEABLE-DATA-SPACE-FR-QUE A2=>FIXED-DATA-SPACE-FR-QUEUE A3=>DEFERRED-DELETE-FR-QUEUE A4=>Pageable Large Dataspace E0=>PAGEABLE-RDD-FRAME-QUEUE E1=>FIXED-RDD-FRAME-QUEUE E2=>ORPHAN-FRAME-QUEUE F0=>UNQUEUED..DAT-OFF-NUCLEUS F1=>UNQUEUED..READ-ONLY-NUC. F2=>UNQUEUED..READ/WRITE-NUC. F3=>UNQUEUED..RSM DATA FRAME F4=>UNQUEUED..HW-SYSTEM-AREA F5=>UNQUEUED..ABS.-ZERO-FRAME F6=>UNQUEUED..FIXED-LPA/BLDL FB=>UNQUEUED..Reserved PFTE Area (not expected as a QID after IAXM8 has finished) FD=>A-FLAWED-PFTE FE=>UNQUEUED..UNINITIALIZED FF=>UNQUEUED-PFTE

End of Comment

17	(11)	UNSIGNED	1	PFTUIC	NUMBER OF UPDATE INTERVALS DURING WHICH FRAME WAS NOT REFERENCED
		1... ..		PFTOLD	This pfte is old
18	(12)	BITSTRING	1	PFTFLGS2	FLAG BYTE 2 (ALLOCATION FLAGS)
		1... ..		PFTONAFQ	PFTE IS ON AN AFQ
		.1.		PFTPERM	FRAME IS BACKING PERMANENT STG
		..1.		PFTOFFLN	FRAME IS OFF-LINE
		...1		PFTVIODP	This PFTE contains a VIO dataset page
		.... 1..		PFTVRWT	FRAME IS WAITING FOR V=R ALLOC.
		.... .1.		PFTVRALC	FRAME IS ALLOCATED TO V=R
		.... ..1.		PFTDREF	FRAME IS BACKING A DREF PAGE
		.... ..1		PFTDSPPG	FRAME IS BACKING A DATA SPACE PAGE
19	(13)	BITSTRING	1	PFTFLGS3	FLAG BYTE 3 (MISC. FLAGS)
		1... ..		PFTIOCUR	I/O IS CURRENT FOR THIS FRAME
		.1.		PFTLARGEPAGEGROUPINDICATOR	
		.1.		PFTLARGEPAGEAVAIL	1 = All 256 contiguous Pftes are available to be used as a 1M large frame (This bit is only applicable in the 1st Pfte of the 256 contiguous Pftes)
		.1.		PFTLARGEUSEDASPAGEABLE1M	1 = All 256 contiguous Pftes are being used as a 1M pageable large frame even though this frame group is from the LFAREA (This bit is only applicable in the 2nd Pfte of the 256 contiguous Pftes)
		.1.		PFT2GPAGEAVAIL	1 = All 524288 contiguous Pftes are available to be used as a 2G page frame (This bit is only applicable in the 1st Pfte of the 524888 contiguous Pftes)
		..1.		PFTVIORU	THIS FRAME IS VIO REUSABLE
		...1		PFTVRINT	FRAME IS V=R INTERCEPTED
		.... 1..		PFTOFINT	FRAME IS OFFLINE INTERCEPTED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		PFTNOREC	INTERCEPTED FRAME SUMMARY BIT- THIS FRAME HAS BEEN INTERCEPTED AND SHOULD NOT BE TAKEN UNLESS IT IS SENT TO AN AVAILABLE FRAME QUEUE. ALSO, THE PAGE ASSOCIATED WITH THE FRAME CANNOT BE REVALIDATED WITH A DIFFERENT FRAME IF A REQUEST FOR THE PAGE IS CURRENTLY ON THE DPQ.
Comment					
Whenever this bit is set or cleared, needs to set or clear PFTNCONF bit except in reconfig code					
End of Comment					
		.... ..1.		PFTIOMC	I/O FOR THIS FRAME MUST COMPLETE INTACT. NEITHER THE FRAME NOR THE DATA MAY BE USED UNTIL THE I/O HAS COMPLETED.
		.... ...1		PFTNCONF	If on, indicates that somebody other than reconfig set the PFTNOREC bit. This bit should be set or cleared when NOREC bit is set or cleared
20	(14)	CHARACTER	4	PFTFCWRD	FIX COUNT WORD. SERIALIZED BY COMPARE AND SWAP. NOTE: PFTFXCT MUST ALWAYS BE THE LOW ORDER HALFWORD OF THIS FIELD FOR WORK.
20	(14)	CHARACTER	1	PFTFREID	ID OF QUEUE TO WHICH THIS PFTE IS TO BE RETURNED WHEN FREED--01=>PREFERRED-ABOVE-AFQ 02=>NON-PREFERRED-ABOVE-AFQ 03=>PREFERRED-BELOW-AFQ 04=>NON-PREFERRED-BELOW-AFQ 05=>PREFERRED-HIGH-AFQ 06=>NON-PREFERRED-HIGH-AFQ 07=>NON-PREFERRED-QUAD-AFQ 08=>TOP-DOUBLE-FRAME-QUEUE 09=>BOTTOM-DOUBLE-FRAME-QUEUE 0A=>Large Page Frame Available ID (which includes fixed large frames for PCIE) 0B=>Pageable Large Pref-AFQ 0C=>Pageable Large Non-Pref-AFQ 0D=>2G Page Frame-AFQ FB=>Unqueued: Reserved PFTE Area FF=>NON-FREEABLE-PFTE
21	(15)	BITSTRING	1	PFTFLGS1	FLAG BYTE 1 (PHYSICAL FLAGS). SINCE PFTFCWRD IS DECLARED ABNL, PL/X WILL GENERATE COMPARE AND SWAP INSTRUCTIONS WHEN UPDATING THESE FLAGS.
		1..		PFTPREF	PFTE IS FOR PREFERRED AREA
		.1..		PFTBELOW	PFTE IS FOR REAL BELOW 16M
		.1.		PFTVR	PFTE IS A V=R CANDIDATE
		...1		PFTLARGEPAGEREFORM	All 256 contiguous PFTEs should be reformed to a 1M large frame. Set before processing any PFTE to ensure serialization with IAXUR
		.... 1..		PFTLARGEPAGE	PFTE is part of a pageable or fixed large frame group, set in each PFTE
		.... .1..		PFTSRBSC	SRB HAS BEEN SCHEDULED TO DO FRAME DEALLOCATION.
		.... ..1.		PFTNOUNC	NO UNCORRECTABLE ERRORS HAVE OCCURRED WITHIN THE FRAME. THIS BIT IS MEANINGFUL ONLY WHEN PFTBADFR=1.
		.... ..1.		PFTIOERR	Indicates I/O error for unvirtualized I/O. Only set if PftBadFr is off
		.... ...1		PFTBADFR	BAD FRAME - DO NOT REALLOCATE
22	(16)	SIGNED	2	PFTFXCT	FIX COUNT FOR THIS FRAME
Comment					
Note: The fix count for a page table should match the number of pages with associated real (valid or with I/O current). The fix count for a segment table has three cases: 1) For 31-bit: the count is always zero. 2) For 64-bit: the count should match the number of segments with data (both valid and on aux) 3) For data spaces: the count should match the number of 1M pages with data (both valid and on aux) plus the number of page tables with associated real (valid or with I/O current but not including page tables on aux).					
End of Comment					
24	(18)	CHARACTER	40	PFTSECTR	PFTE Queue Remaining Section
24	(18)	CHARACTER	4	PFTSER	PFTE SERIALIZATION WORD
24	(18)	BITSTRING	2	PFTSERFL	Flags portion of PftSer
		1..		PFTRDS	THIS PFTE IS SERIALIZED BY AN RSMDS LOCK
		.1..		PFTSPAGE	THIS PFTE IS IN USE FOR A SHARED PAGE AND IS SERIALIZED BY THE RSMAD/XM/CM/ST LOCK OF COMMON. PFTSDH CONTAINS THE ADDRESS OF THE SDH FOR THE SHARED PAGE GROUP
		..1.		PFTLSQA	FRAME IS BACKING SQA OR LSQA
		...1		PFTMEGAROOED	Shared meg page
		.... 1..		PFTTERM	This is a PFTE that was put on Common's PFQ by termination
		.... .1..		PFTHVSPAGE	THIS PFTE IS IN USE FOR A HIGH SHARED PAGE.
		.... ..1.		PFTONCPUAFQ	If on, the pft is on a cpu related AFQ
		.... ...1		PFTPRESTOLEN	The pft backs a page that is Prestolen.
25	(19)	BITSTRING	1	PFTRVTEX	THE RVTE INDEX IF PFTRDS=1
26	(1A)	BITSTRING	2	PFTASID	ASID OF CURRENT OR LAST OWNER

IAXPFTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	ADDRESS	8	PFTVSA64	
Comment					
<p>VIRTUAL ADDRESS CURRENTLY OR LAST BACKED BY THIS FRAME. For translation tables for virtual pages above 2G, it will contain the lowest vsa that the table provides translation for, see PFTPGTYP for indicator of table type. E.g., a region 1st table will have PFTVSA64 = 0, an R2 table for 0 to 8P-1 will also have PFTVSA64 = 0, etc.</p>					
End of Comment					
28	(1C)	CHARACTER	8	PFTLPID	
Comment					
<p>LPID for the VIO dataset Page</p>					
End of Comment					
28	(1C)	UNSIGNED	4	PFTVSAHI	Top half of virtual address. 0 for pages < 2G.
32	(20)	ADDRESS	4	PFTVSA	VIRTUAL ADDRESS CURRENTLY OR LAST BACKED BY THIS FRAME Field maintained for compatibility with prior code supporting virtual < 2G.
32	(20)	ADDRESS	4	PFTLPIDP	Pointer to the LPID for the VIO dataset Page
32	(20)	UNSIGNED	4	PFTVIORA	VIO DATA SET PAGE REUSE ARGUMENT - VALID IF PFTVIORU=1
32	(20)	ADDRESS	4	PFTSDH	ADDRESS OF SHARED DATA HEADER - VALID IF PFTSPAGE=1
36	(24)	ADDRESS	4	PFTPCB	ADDRESS OF PCB CURRENTLY BEING USED TO DO I/O FOR THIS FRAME (PFTIOCUR=1) OR PCB LAST USED TO DO THE I/O (PFTIOCUR=0)
36	(24)	BITSTRING	4	PFTMEGAR	Megarooed segment info
36	(24)	BITSTRING	1	PFTSEGNO	Segment number of the segment backed by this Megarooed page table.
37	(25)	.... 1...		*	Reserved
37	(25)	BITSTRING	2	PFTUDSNX	UDS index for the UDD that was source for the Megarooed segment mapped by this page table.
40	(28)	CHARACTER	4	*	
40	(28)	CHARACTER	4	PFTPROG	DATA SPACE PROGRAMMING WORD. THIS FIELD IS VALID IF PFTDSPPG IS ON AND THE FRAME IS NOT ON THE DDFQ.
40	(28)	ADDRESS	4	PFTSPE	Address of the SPE for the view which obtained this PFTE. Valid if PFTSPAGE=1
40	(28)	ADDRESS	4	PFTTCB	ADDRESS OF THE OWNING TCB IF THE FRAME IS ON THE DDFQ
40	(28)	ADDRESS	4	PFTPFTE	Address of the PFTE in the VIO Real Cache that may contain another copy of the data in this frame
40	(28)	CHARACTER	4	PFTALSID	When PFTVIODP=1, the LSID for the auxiliary storage copy of the VIO dataset page
40	(28)	CHARACTER	4	PFTSCMBLOCKID	When PfgPgTyp=7 (unvirtualized data), keeps a copy of the SCM blockid used to prime the frame with
44	(2C)	BITSTRING	1	PFTPGTYP	0 - Virtual Page 1 - VIO Dataset Page 2 - Page Table 3 - Segment Table 4 - Region 3rd Table 5 - Region 2rd Table 6 - Region 1rd Table 7 - Unvirtualized data
45	(2D)	BITSTRING	1	PFTFLGS4	FLAG BYTE 4 (MISC. FLAGS)
		1...		PFTVRPLT	THIS FRAME IS CURRENTLY POLLUTING THE V=R AREA
		.1.		PFTNOPRF	FRAME SHOULD NOT BE STOLEN BY GETFRAME PREF STEAL
		..1.		PFTOKFORAUX	The dataspace frame can be paged to aux even when the address space is marked as critical
		...1		PFTPCIEF	FRAME IS PCIE PAGE FIXED
46	(2E)	UNSIGNED	2	PFTATTCT	Attachment count for translation tables: segment and page tables. For segment table PFTE, number of valid region 3rd entries pointing to this frame. For page table PFTE, number of valid segment table entries pointing to this frame.
48	(30)	ADDRESS	8	PFTPTEPTR	When PFTPGTYP is a Virtual Page above 2G, this is the real address of the page table entry for the virtual page.
48	(30)	BITSTRING	8	PFTPTEPTR1	
48	(30)	BITSTRING	7	*	Nonzero address bits
55	(37)	.... .111		PFTSADMPBITS	Always zero in a doubleword aligned PTE address. These bits may be on in a PFTE in a SADMP, so IPCS processing which uses the PTE address must mask them off.
		.... .1..		PFTSADMP	Frame has been dumped by SADMP processing
		.... ..1.		PFTSADZF	Identified as Zero Frame by SADMP processing
		.... ...1		*	Reserved
56	(38)	ADDRESS	8	PFTQHDPTR	Address of the queue header which anchors the PFTE queue section for pages above 2G. This field valid for ordinary pages above 2G. It is also valid for dataspace queues.
56	(38)	ADDRESS	8	PFTCPUQPTR	Pointer to the address of the header for the CPU related frame queues
56	(38)	ADDRESS	4	PFTSFTE	SFTE addr for high virtual segment table
60	(3C)	CHARACTER	4	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	PFTQHEADER	Arbitrary PFTE queue header
0	(0)	ADDRESS	8	PFTQHEADERFIRST	Address of first pfte on queue
8	(8)	ADDRESS	8	PFTQHEADERLAST	Address of last pfte on queue

IAXPFTE Constants

Len	Type	Value	Name	Description
4	DECIMAL		IAX_KPFTESIZE	Size of Pfte

Comment

PFTE QUEUE IDS

When adding a QID, examine IARQL for possible hits

End of Comment

1	HEX	01	PFTPAFQN	PREFERRED ABOVE AFQ
1	HEX	02	PFTNAFQN	NON-PREFERRED ABOVE AFQ
1	HEX	03	PFTPBFQN	PREFERRED BELOW AFQ
1	HEX	04	PFTNBFQN	NON-PREFERRED BELOW AFQ
1	HEX	05	PFTPHFQN	Preferred High AFQ
1	HEX	06	PFTNHFQN	Non-Preferred High AFQ
1	HEX	07	PFTNQFQN	Non-Preferred Quad AFQ
1	HEX	08	PFTTDFQN	TOP DOUBLE FRAME QUEUE
1	HEX	09	PFTBDFQN	BOTTOM DOUBLE FRAME QUEUE
1	HEX	0A	PFTLPFQN	Large Page available ID - *EXCEPTION*: QID<PFTUNQMK but are unqueued
1	HEX	0B	PFTPPFQN	Pageable Large Pref AFQ
1	HEX	0C	PFTNPFQN	Pageable Large Non-Pref AFQ
1	HEX	0D	PFT2PFQN	2G Page available ID
1	HEX	21	PFTSFQN	SQA FRAME QUEUE
1	HEX	22	PFTRSFQN	RESERVED SQA FRAME QUEUE
1	HEX	23	PFTSBFQN	REAL STG BUFFER FRAME QUEUE
1	HEX	24	PFTVRFQN	V=R WAITING FRAME QUEUE
1	HEX	25	PFTGDFQN	General Defer Frame Queue
1	HEX	26	PFTQSFQN	Single Quad avail q
1	HEX	27	PFTQHFQN	Quad Holding queue
1	HEX	28	PFTLSFQN	Single Large frame available queue
1	HEX	29	PFTPSFQN	Preferred Single Pageable Large frame available queue
1	HEX	2A	PFTNSFQN	Non Preferred Single Pageable Large frame available queue
1	HEX	40	PFTSFFQN	SHARED PAGE FIXED FRAME QUEUE
1	HEX	41	PFTSPFQN	SHARED PAGE PAGEABLE FRAME QUEUE
1	HEX	81	PFTPFQN	PAGEABLE FRAME QUEUE
1	HEX	82	PFTFFQN	FIXED FRAME QUEUE
1	HEX	83	PFTDFFQN	DEFERRED FREEMAIN FRAME Q
1	HEX	84	PFTHVFQN	High Virtual Frame Q (for pages between 2G and 16E-1).
1	HEX	85	PFTLQFQN	Local Quad Frame Q (quad frames for DAT tables describing pages between 2G and 16E-1).
1	HEX	86	PFTPGTQN	Page Table Frame Q (frames for page tables describing pages between 2G and 16E-1).
1	HEX	87	PFTLLFQN	Local large page frame queue ID
1	HEX	88	PFTPLFQN	Pageable large page frame queue ID
1	HEX	89	PFTL2FQN	Local 2G page frame queue ID
1	HEX	A1	PFTPDFQN	PAGEABLE DATA SPACE FQ
1	HEX	A2	PFTDFQN	FIXED DATA SPACE FQ
1	HEX	A3	PFTDDFQN	DEFERED DELETE FRAME Q
1	HEX	A4	PFTPDLQN	Pageable large dataspace frame queue ID
1	HEX	E0	PFTPRFQN	PAGEABLE RDD FRAME Q
1	HEX	E1	PFTFRFQN	FIXED RDD FRAME QUEUE
1	HEX	E2	PFTOFQN	ORPHAN FRAME QUEUE
1	HEX	E8	PFTPF1QN	UNQUEUED - PFT backing PFT CADS dat structure
1	HEX	E9	PFTPF2QN	UNQUEUED - PFT backing PFT CADS
1	HEX	EA	PFTREMQN	UNQUEUED - Pft backing the real map TBD: scaffolding
1	HEX	F0	PFTDONN	UNQUEUED- DAT-OFF NUCLEUS
1	HEX	F1	PFTRONN	UNQUEUED- READ ONLY NUC.
1	HEX	F2	PFTRWNN	UNQUEUED- READ/WRITE NUC.
1	HEX	F3	PFTIPCN	UNQUEUED- RSM IPCS USE ONLY
1	HEX	F4	PFTHSAN	UNQUEUED- HW SYSTEM AREA
1	HEX	F5	PFTAZN	UNQUEUED- ABSOLUTE ZERO FR
1	HEX	F6	PFTFXAN	UNQUEUED- FIXED LPA
1	HEX	FB	PFTRPAN	UNQUEUED- Reserved PFTE Area

IAXPFTE Cross Reference

Len	Type	Value	Name	Description
1	HEX	FC	PFTSADN	RESERVED FOR STAND ALONE DUMP
1	HEX	FD	PFTFLAWN	UNQUEUED- PFTE WAS FOUND FLAWED DURING RECOVERY
1	HEX	FE	PFTUNIN	UNQUEUED- UNINITIALIZED
1	HEX	FF	PFTUNQDN	UNQUEUED
1	HEX	FF	PFTNOFRN	WHEN IN THE PFTFREID FIELD - THIS PFTE CANNOT BE FREED
1	HEX	07	PFTAQMK	HIGHEST POSSIBLE AVAILABLE FRAME QUEUE ID.
1	HEX	20	PFTRITMK	LOWEST POSSIBLE RIT BASED QUEUE ID (EXCLUDING AFQS AND DOUBLE FRAME QUEUES).
1	HEX	2F	PFTGLMK	Highest possible queue id for a PFTE serialized by the RSMGL lock.
1	HEX	80	PFTRABMK	LOWEST POSSIBLE QUEUE ID FOR AN ADDRESS SPACE RELATED QUEUE (RAB, DAB, OR RDD BASED FRAME QUEUE).
1	HEX	A0	PFTDABMK	LOWEST POSSIBLE QUEUE ID FOR A DAB BASED FRAME QUE
1	HEX	E0	PFTRDDML	LOWEST POSSIBLE QUEUE ID FOR AN RDD BASED FRAME QUE
1	HEX	E7	PFTRDDMH	HIGHEST POSSIBLE QUEUE ID FOR AN RDD BASED FRAME QUE
1	HEX	E8	PFTUNQMK	LOWEST ID POSSIBLE FOR AN UNQUEUED PFTE w/ the exception of PFTLPFQN

Comment

PFTE CONSTANTS

End of Comment

1	HEX	40	PFTLPGIMASK	Mask used to ensure the Large Page Group indicator bits are left alone
1	HEX	FE	PFTKMUIC	MAXIMUM UIC VALUE
1	HEX	FF	PFTKBUIC	UIC VALUE USED TO INDICATE A BLOCKED PAGE THAT HAS NEVER BEEN REFERENCED
4	DECIMAL	16777218	PFTALET	Alet of the CADS dataspace containing the PFT
8	CHARACTER	IARPFT	PFTCADSNAME	Name of dataspace containing PFT

IAXPFTE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PFTALSID	28		PFTNOPRF	2D	40
PFTASID	1A		PFTNOREC	13	04
PFTATTCT	2E		PFTNOUNC	15	02
PFTBADFR	15	01	PFTOFFLN	12	20
PFTBELOW	15	40	PFTOFINT	13	08
PFTBQPTR	8		PFTOKFORAUX	2D	20
PFTBQPTR31	C		PFTOLD	11	80
PFTCPUQPTR	38		PFTONAFQ	12	80
PFTDREF	12	02	PFTONCPUAFQ	18	02
PFTDSPPG	12	01	PFTPCB	24	
PFTE	0		PFTPCIEF	2D	10
PFTFCWRD	14		PFTPERM	12	40
PFTFLGS1	15		PFTPFTE	28	
PFTFLGS2	12		PFTPGTYP	2C	
PFTFLGS3	13		PFTPPREF	15	80
PFTFLGS4	2D		PFTPRESTOLEN	18	01
PFTFQPTR	0		PFTPROG	28	
PFTFQPTR31	4		PFTPTEPTR	30	
PFTFREID	14		PFTPTEPTR1	30	
PFTFXCT	16		PFTQHDRPTR	38	
PFTHVSPAGE	18	04	PFTQHEADER	0	
PFTIOCUR	13	80	PFTQHEADERFIRST		
PFTIOERR	15	02		0	
PFTIOMC	13	02	PFTQHEADERLAST		
PFTLARGEPAGE	15	08		8	
PFTLARGEPAGEAVAIL			PFTQID	10	
	13	40	PFTRDS	18	80
PFTLARGEPAGEGROUPINDICATOR			PFTRVTEX	19	
	13	40	PFTSADMP	37	04
PFTLARGEPAGEREFORM			PFTSADMPBITS	37	07
	15	10	PFTSADZF	37	02
PFTLARGEUSEDASPAGEABLE1M			PFTSCMBLOCKID		
	13	40		28	
PFTLPID	1C		PFTSDH	20	
PFTLPIDP	20		PFTSECTA	10	
PFTLSQA	18	20	PFTSECTP	0	
PFTMEGAR	24		PFTSECTR	18	
PFTMEGAROOED	18	10	PFTSEGNO	24	
PFTNCONF	13	01	PFTSER	18	

Name	Hex Offset	Hex Value
PFTSERFL	18	
PFTSFTE	38	
PFTSPAGE	18	40
PFTSPE	28	
PFTSRBSC	15	04
PFTTCB	28	
PFTTERM	18	08
PFTUDSNX	25	
PFTUIC	11	
PFTVIODP	12	10
PFTVIORA	20	
PFTVIORU	13	20
PFTVR	15	20
PFTVRALC	12	04
PFTVRINT	13	10
PFTVRPLT	2D	80
PFTVRWT	12	08
PFTVSA	20	
PFTVSAHI	1C	
PFTVSA64	1C	
PFTWORD	10	
PFT2GPAGEAVAIL	13	40

IAXPTE Information

IAXPTE Heading Information

Common Name: PAGE TABLE ENTRY
Macro ID: IAXPTE
DSECT Name: PTE
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: YES (for fixed/DREF/High Virtual pages)
 Virtual Storage: YES (for address space pages)
 Auxiliary Storage: YES (for pageable pages)
 Subpool: N/A
 Key: 0
 Data Space: YES (for data space pages)
 Residency: Anywhere
 See Assembler Listing
Size:
Created by: Segment Fault
Pointed to by: SGT64PTRSA
Serialization: Varies
Function: Maps a Page Table Entry

IAXPTE 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	PTESTART	
0	(0)	DBL WORD	8	PTEALL	Page RSA
0	(0)	X'4'	0	PTEALL_BYTES4TO7	"PTEALL+4,4" Low order portion of RSA

Comment

Definition of flag portion of RSA.

End of Comment

0	(0)	X'6'	0	PTEALL_FLGS	"PTEALL+6,1" Flag portion of RSA
		.... .1..		PTEINV	"X'04" Page is invalid

Comment

ORG to PTEX for this PTE.

End of Comment

2048	(800)	BITSTRING	1	PTEXEPAGED	Page location ID and subtype
		.... ...1		PTEXGARD	"X'01" - first reference and garden variety page
2048	(800)	X'8'	0	PTE_LENE	"8" Length of PTE (BUV)

IAXPTE Cross Reference

IAXPTE Cross Reference

Name	Hex Offset	Hex Value
PTE_LENE	800	8
PTEALL	0	
PTEALL_BYTES4TO7		
	0	4
PTEALL_FLGS	0	6
PTEINV	0	4
PTESTART	0	
PTEXEPAGED	800	
PTEXGARD	800	1

IAXRDD Information

IAXRDD Heading Information

Common Name: RSM DATA SPACE DESCRIPTOR
Macro ID: IAXRDD
DSECT Name: RDD
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: N/A
 Offset: N/A
 Length: N/A
Storage Attributes: Main Storage: Yes
 Virtual Storage: Anywhere
 Auxiliary Storage: N/A
 Subpool: 255
 Key: 0
 Data Space: N/A
 Residency: Anywhere
Size: See Assembler Listing
Created by: DSPSERV CREATE
 INITIALIZED BY = DSPSERV CREATE
 DESTROYED BY = NEVER
Pointed to by: RVTRDD
Serialization: RSMDS LOCK (RSM DATA SPACE LOCK)
Function: THE RDD CONTAINS THE INFORMATION USED TO MANAGE
 A SINGLE RSM DATA SPACE.
 DESCRIPTION =
 FREQUENCY = ONE RDD PER RSM DATA SPACE (RDS)

IAXRDD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	80	RDD	
0	(0)	CHARACTER	4	RDDID	RDD CONTROL BLOCK ID
4	(4)	CHARACTER	1	*	RESERVED FOR INDEX EXPANSION
5	(5)	CHARACTER	1	RDDRVTEX	RVTE INDEX
6	(6)	CHARACTER	2	*	RESERVED FOR FLAGS
8	(8)	ADDRESS	8	RDDSGT	ADDRESS OF THE SGT FOR THIS RSM DATA SPACE (RDS)
8	(8)	CHARACTER	4	*	
12	(C)	ADDRESS	4	RDDSGT31	
16	(10)	ADDRESS	4	RDDASTE	ADDR OF THE ASTE FOR THIS RDS
Comment					
ENSURE THAT QUEUE HEADERS ARE NOT ON DOUBLEWORD BOUNDARIES					
End of Comment					
20	(14)	ADDRESS	4	RDDFAAQF	POINTER TO THE FIRST ASTE ON THE FREE SCOPE ALL ASTE Q (FAAQ)
24	(18)	ADDRESS	4	RDDFAAQL	POINTER TO THE LAST ASTE ON THE FREE SCOPE ALL ASTE Q (FAAQ)
28	(1C)	ADDRESS	4	RDDFSAQF	POINTER TO THE FIRST ASTE ON THE FREE SCOPE SINGLE ASTE Q (FSAQ)
32	(20)	ADDRESS	4	RDDFSAQL	POINTER TO THE LAST ASTE ON THE FREE SCOPE SINGLE ASTE Q (FSAQ)
36	(24)	ADDRESS	4	RDDFUQF	POINTER TO THE FIRST UDD ON THE FREE UDD QUEUE (FUQ)
40	(28)	UNSIGNED	4	RDDFUAF	ALET FOR THE FIRST UDD ON THE FREE UDD QUEUE (FUQ)
44	(2C)	ADDRESS	4	RDDFUQL	POINTER TO THE LAST UDD ON THE FREE UDD QUEUE
48	(30)	UNSIGNED	4	RDDFUAL	ALET FOR THE LAST UDD ON THE FREE UDD QUEUE (FUQ)
52	(34)	ADDRESS	8	RDDOFQH	Pointer to the header of Orphan Frame Queue (OFQ)
60	(3C)	ADDRESS	8	RDDPRFQH	Pointer to the header of Pageable RDD Frame Queue (PRFQ)
68	(44)	ADDRESS	8	RDDFRFQH	Pointer to the header of Fixed RDD Frame Queue (FRFQ)
76	(4C)	CHARACTER	4	*	Reserved
80	(50)	CHARACTER	0	RDDUBM	THE UBM (UDD BIT MAP) FOR THIS RDS FOLLOWS THE RDD CONTIGUOUSLY IN VIRTUAL. IT SIZE IS DEPENDENT UPON THE RDS TYPE.

IAXRDD Cross Reference

IAXRDD Cross Reference

Name	Hex Offset	Hex Value
RDD	0	
RDDASTE	10	
RDDFAAQF	14	
RDDFAAQL	18	
RDDFRFQH	44	
RDDFSAQF	1C	
RDDFSAQL	20	
RDDFUAF	28	
RDDFUAL	30	
RDDFUQF	24	
RDDFUQL	2C	
RDDID	0	
RDDOFQH	34	
RDDPRFQH	3C	
RDDRVTEX	5	
RDDSGT	8	
RDDSGT31	C	
RDDUBM	50	

IAXRDH Information

IAXRDH Heading Information

Common Name: RSM DATA SPACE HEADER
Macro ID: IAXRDH
DSECT Name: RDH
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: N/A
 Offset: N/A
 Length: N/A
Storage Attributes: Main Storage: Yes
 Virtual Storage: Yes
 Auxiliary Storage: N/A
 Data Space: N/A
 Residency: Anywhere
Size: See Assembler Listing
Created by: RSM RIM IARDMRIM
 INITIALIZED BY = RSM RIM IARDMRIM
 DESTROYED BY = NEVER
Pointed to by: RITRDD
Serialization: (RASP) ADDRESS SPACE LEVEL LOCK
Function: RSM CONTROL BLOCK TO MANAGE GLOBAL DATA SPACE
 PROCESSING.
 DESCRIPTION =
 FREQUENCY = ONE RDH PER RSM ADDRESS SPACE (RASP)

IAXRDH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	152	RDH	
0	(0)	CHARACTER	4	RDHID	RDH CONTROL BLOCK ID
4	(4)	CHARACTER	4	*	RESERVED FOR FLAGS
8	(8)	ADDRESS	4	RDHRVT	ADDRESS OF THE RVT
12	(C)	ADDRESS	4	RDHRVTE	ADDRESS OF THE NEXT AVAILABLE RVTE
16	(10)	SIGNED	4	RDH1MCT	NUMBER OF 1M USER DATA SPACE SLOTS CURRENTLY AVAILBLE IN ALL EXISTING RSM DATA SPACES.
20	(14)	SIGNED	4	RDHHGCT	NUMBER OF HALF GIG USER DATA SPACE SLOTS CURRENTLY AVAILBLE IN ALL EXISTING RSM DATA SPACES.
24	(18)	SIGNED	4	RDH2GCT	NUMBER OF 2G USER DATA SPACE SLOTS CURRENTLY AVAILBLE IN ALL EXISTING RSM DATA SPACES.
28	(1C)	CHARACTER	4	*	RESERVED
32	(20)	CHARACTER	40	RDHORGNS (2:562116496)	RSM DATA SPACE VALUES
32	(20)	ADDRESS	4	RDHOSAST	ORIGIN OF THE SCOPE SINGLE ASTE ARRAY
36	(24)	ADDRESS	4	RDHOLSAS	ORIGIN OF THE LAST POSSIBLE SCOPE SINGLE ASTE IN THE ARRAY
40	(28)	ADDRESS	4	RDHOAAST	ORIGIN OF SCOPE ALL ASTE ARRAY
44	(2C)	ADDRESS	4	RDHOLAAS	ORIGIN OF THE LAST POSSIBLE SCOPE ALL ATSE IN THE ARRAY
48	(30)	ADDRESS	4	RDHOSGT	ORIGIN OF UDS SEGMENT TABLES
52	(34)	ADDRESS	4	RDHOPGT	ORIGIN OF UDS PAGE TABLES
56	(38)	UNSIGNED	4	RDHSTINC	NUMBER OF BYTES FROM THE START OF ONE UDS SEGMENT TABLE TO THE THE START OF THE NEXT
60	(3C)	UNSIGNED	4	RDHNOPGT	NUMBER OF PGTS PER UDS
64	(40)	UNSIGNED	4	RDHUBMCT	NUMBER OF APPLICABLE BITS IN THE UBM. THIS IS EQUIVALENT TO THE NUMBER OF FRAMES NEEDED TO BACK THE MAXIMUM NUMBER OF UDDS FOR THIS RDS. (NOTE, APPLICABLE BITS ARE AT THE HIGH ORDER END OF THE UBM)
68	(44)	UNSIGNED	4	RDHLBTCT	NUMBER OF UDDS IN THE FRAME REPRESENTED BY THE LAST APPLICABLE BIT IN THE UBM
152	(98)	CHARACTER	0	*	KEEP RDH A MULTIPLE OF 8 BYTES

IAXRDH Cross Reference

IAXRDH Cross Reference

Name	Hex Offset	Hex Value
RDH	0	
RDHHGCT	14	
RDHID	0	
RDHLBTCT	44	
RDHNOPGT	3C	
RDHOAAST	28	
RDHOLAAS	2C	
RDHOLSAS	24	
RDHOPGT	34	
RDHORGNS	20	
RDHOSAST	20	
RDHOSGT	30	
RDHRVT	8	
RDHRVTE	C	
RDHSTINC	38	
RDHUBMCT	40	
RDH1MCT	10	
RDH2GCT	18	

IXRSH Information

IXRSH Heading Information

Common Name: RSM RECOVERY REFRESH TABLE
Macro ID: IARRSH
DSECT Name: RSH
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: RSH
 Offset: 0
 Length: 240
 CAUTION = 1. THE OFFSET VALUES TO THE VARIOUS STACK SECTIONS MUST AGREE TO THE CORRESPONDING VALUES SET IN IARMR.
 2. THE DATA SPACE DEFAULT VALUES (DBLDF, DMXEX, AND DMXSZ) MUST AGREE WITH THE CORRESPONDING VALUES SET IN IARMR.
Storage Attributes: Main Storage: YES
 Virtual Storage: YES
 Auxiliary Storage: N/A
 Subpool: 245, EXTENDED SQA (FIXED COMMON) or Nucleus
 Key: 0
 Data Space: N/A
 Residency: NUCLEUS
Size: See Assembler Listing
Created by: IAXMP
Pointed to by: PVTRSH
Serialization: RSM
Function: CONTAINS RSM RECOVERY INFORMATION

IXRSH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	284	RSH	
0	(0)	CHARACTER	4	RSHID	RSH CONTROL BLOCK ID
Comment					
PFT Information					
End of Comment					
4	(4)	CHARACTER	4	*	Reserved
8	(8)	ADDRESS	8	RSHPFT	Address of the PFT
16	(10)	ADDRESS	8	RSHLPFTE	Address of last PFTE
24	(18)	ADDRESS	8	RSHNPFTE	Address of the pfte with the highest address which may be permanently resident
32	(20)	ADDRESS	4	RSHPFTCADSASTE@	Virtual address of the aste for the pft cads
36	(24)	BITSTRING	8	RSHPFTCADSASTRTD	Real address of the RTD for the pft cads
44	(2C)	CHARACTER	4	*	Reserved
48	(30)	ADDRESS	8	RSHOFFLINEPFTEREAL@	Address of the frame containing offline pftes
56	(38)	ADDRESS	8	RSHOFFLINEPAGETABLEREAL@	Address of the Offline Page Table
Comment					
TBD: Do we need to add other new PFT CADS which are added in RIT					
End of Comment					
64	(40)	ADDRESS	4	RSHREALSPACEASTE@	Virtual address of the real space aste
Comment					
Storage ranges					
End of Comment					
68	(44)	ADDRESS	4	RSHCSGT	Address of Common SGT
72	(48)	ADDRESS	4	RSHCPGT	Address of Common PGT
76	(4C)	ADDRESS	4	RSHFVR	Address of First V=R

IAXRSH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	ADDRESS	4	RSHLVR	Address of Last V=R
84	(54)	ADDRESS	4	RSHFPRV	ADDRESS OF FIRST (LOWEST VSA) PRIVATE AREA PAGE POSSIBLE
88	(58)	ADDRESS	4	RSHFCSA	ADDRESS OF FIRST (LOWEST VSA) CSA PAGE POSSIBLE
92	(5C)	ADDRESS	4	RSHLCSA	ADDRESS OF FIRST PAGE AFTER LAST CSA PAGE
96	(60)	ADDRESS	4	RSHFQSA	ADDRESS OF FIRST (LOWEST VSA) PLPA/PLPA DIRECTORY PAGE
100	(64)	ADDRESS	4	RSHLQSA	ADDRESS OF FIRST PAGE AFTER LAST PLPA/PLPA DIR. PAGE
104	(68)	ADDRESS	4	RSHFQSAX	ADDRESS OF FIRST (LOWEST VSA) EXTENDED PLPA/PLPA DIRECTORY PAGE
108	(6C)	ADDRESS	4	RSHLQSAX	ADDRESS OF FIRST PAGE AFTER LAST EXTENDED PLPA/PLPA DIRECTORY PAGE
112	(70)	ADDRESS	4	RSHFCSAX	ADDRESS OF FIRST (LOWEST VSA) EXTENDED CSA PAGE
116	(74)	ADDRESS	4	RSHFPRVX	ADDRESS OF FIRST (LOWEST VSA) EXTENDED PRIVATE AREA PAGE

Comment

Storage Interleave Information

End of Comment					
120	(78)	SIGNED	2	RSHSKIP	SKIP FACTOR (HARDWARE STORAGE INTERLEAVE FACTOR). THIS IS EQUAL TO THE NUMBER OF BANDS IN AN AI.
122	(7A)	CHARACTER	2	*	RESERVED
124	(7C)	ADDRESS	4	RSHAIM	ADDRESS OF THE AIM
124	(7C)	ADDRESS	4	RSHFAIME	ADDRESS OF FIRST AIME
128	(80)	ADDRESS	4	RSHLAIME	ADDRESS OF LAST AIME
132	(84)	SIGNED	4	*	Reserved
136	(88)	ADDRESS	4	*	Reserved
136	(88)	ADDRESS	4	*	Reserved
140	(8C)	ADDRESS	4	*	Reserved
144	(90)	ADDRESS	4	*	Reserved
144	(90)	ADDRESS	4	*	Reserved
148	(94)	ADDRESS	4	*	Reserved
152	(98)	ADDRESS	4	*	Reserved

Comment

Data Space Information

End of Comment					
156	(9C)	ADDRESS	4	RSHRASCB	ADDRESS OF RASP ASCB
160	(A0)	BITSTRING	4	RSHRAWRD	FULLWORD RASP ASID
160	(A0)	UNSIGNED	2	*	FILLER FOR WORD
162	(A2)	UNSIGNED	2	RSHRASID	ASID OF RASP
164	(A4)	ADDRESS	4	RSHRDH	ADDRESS OF THE RDH
168	(A8)	ADDRESS	4	RSHRV1	ADDR OF THE 1ST RV1E
172	(AC)	SIGNED	4	RSHDSPOR	VIRTUAL STORAGE ORIGIN FOR USER DATA SPACES
176	(B0)	UNSIGNED	4	RSHDBLDF	SYSTEM DEFAULT FOR DEFAULT NUMBER OF BLOCKS ON DSPSERV CREATE.
180	(B4)	UNSIGNED	4	RSHDMXEX	SYSTEM DEFAULT FOR MAXIMUM NUMBER OF USER KEY DATA SPACES FOR AN ADDRESS SPACE.
184	(B8)	UNSIGNED	4	RSHDMXSZ	SYSTEM DEFAULT FOR MAXIMUM NUMBER OF MEGABYTES OF USER KEY DATA SPACES FOR AN ADDRESS SPACE.

Comment

Lengths to Stack Sections

End of Comment					
188	(BC)	SIGNED	4	RSHNMLN	Length to start of NORMAL Stack Section
192	(C0)	SIGNED	4	RSHSPLN	Length to start of SPECIAL Stack Section
196	(C4)	SIGNED	4	RSHRCLN	Length to start of RECOVERY Stack Section
200	(C8)	SIGNED	4	RSHRSLN	Length to start of REAL STG BUFFER Stack Section
204	(CC)	SIGNED	4	RSHRRLN	Length to start of RSB RECOVERY Stack Section
208	(D0)	SIGNED	4	RSHMCLN	Length to start of MACHINE CHECK Stack Section
212	(D4)	SIGNED	4	RSHSSLN	Length to start of SPECIAL SRM Stack Section
216	(D8)	SIGNED	4	RSHDFLN	Length to start of DISABLED FAULT Stack Section
220	(DC)	SIGNED	4	RSHDRLN	Length to start of DISABLED FLT RECOV Stack Sect.
224	(E0)	SIGNED	4	RSHCNLN	Length to start of CONVERT Stack Section
228	(E4)	SIGNED	4	RSHHILN	Length to start of Hiperspace Services stack section
232	(E8)	SIGNED	4	RSHIOLN	Length to start of General I/O Completion stack section
236	(EC)	SIGNED	4	RSHOTLN	Length of the entire RSM Stack
240	(F0)	UNSIGNED	4	RSH2GBAR	Artificial High Bar
244	(F4)	UNSIGNED	4	RSH2WICEBAR	Artificial twice bar

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Misc high virtual values					
End of Comment					
248	(F8)	CHARACTER	8	RSHLVSHRSTRT	Start of high virtual shared area
256	(100)	CHARACTER	8	RSHLVHPRSTRT	Start of high virtual high private area
264	(108)	CHARACTER	8	RSHHVCOMMONSTRT	Start of high virtual common area
272	(110)	CHARACTER	8	RSHHVCOMMONEND	End of high virtual common area
Comment					
Length to DSPSERV stack section					
End of Comment					
280	(118)	SIGNED	4	RSHDSLNL	Length to start of disabled DSPSERV stack section

IAXRSH Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RSH	0		RSHRAWRD	A0	
RSHAIM	7C		RSHRCLN	C4	
RSHCNLN	E0		RSHRDH	A4	
RSHCPGT	48		RSHREALSPACEASTE@		
RSHCSGT	44			40	
RSHDBLDF	B0		RSHRRLN	CC	
RSHDFLN	D8		RSHRSLN	C8	
RSHDMXEX	B4		RSHRVT	A8	
RSHDMXSZ	B8		RSHSKIP	78	
RSHDRLN	DC		RSHSPLN	C0	
RSHDSLNL	118		RSHSSLN	D4	
RSHDSPOR	AC		RSHTOTLN	EC	
RSHFAIME	7C		RSHTWICEBAR	F4	
RSHFCSA	58		RSH2GBAR	F0	
RSHFCSAX	70				
RSHFPRV	54				
RSHFPRVX	74				
RSHFQSA	60				
RSHFQSAX	68				
RSHFVR	4C				
RSHHILN	E4				
RSHHVCOMMONEND		110			
RSHHVCOMMONSTRT		108			
RSHID	0				
RSHIOLN	E8				
RSHLAIME	80				
RSHLCSA	5C				
RSHLPFTE	10				
RSHLQSA	64				
RSHLQSAX	6C				
RSHLVHPRSTRT	100				
RSHLVR	50				
RSHLVSHRSTRT	F8				
RSHMCLN	D0				
RSHNMLN	BC				
RSHNPFTE	18				
RSHOFFLINEPAGETABLEREAL@		38			
RSHOFFLINEPFTEREAL@		30			
RSHPFT	8				
RSHPFTCADSASTE@		20			
RSHPFTCADSASTRTD		24			
RSHRASCB	9C				
RSHRASID	A2				

IAXRVTE Information

IAXRVTE Heading Information

Common Name: RSM DATA VECTOR TABLE ENTRY
Macro ID: IAXRVTE
DSECT Name: RVTE
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: N/A
 Offset: N/A
 Length: N/A
Storage Attributes: Main Storage: Anywhere
 Virtual Storage: Anywhere
 Auxiliary Storage: YES DATASPACE = N/A
 Subpool: 255
 Key: 0
 Residency: LSQA
Size: See Assembler Listing
Created by: RSM RIM IARDMRIM
 INITIALIZED BY = DSPSERV CREATE
 DESTROYED BY = NEVER
Pointed to by: RDHRVTE
Serialization: (RASP) ADDRESS SPACE LEVEL LOCK
Function: AN RVTE IS AN ENTRY IN THE RVT AND CONTAINS
 INFORMATION PERTAINING TO A SINGLE RSM DATA SPACE.
 DESCRIPTION =
 FREQUENCY = ONE RVTE PER RSM DATA SPACE (RDS)

IAXRVTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	RVTE	
0	(0)	UNSIGNED	1	RVTTYPE	RSM DATA SPACE (RDS) TYPE
1	(1)	BITSTRING	1	RVTF1	FLAG BYTE
		1... ..		RVTRFLAWD	THIS RDS IS FLAWED (A FLAWED RDS IS EITHER IN THE STATE OF BEING CREATED OR IT IS RETIRED).
		.1.		RVTRDSFL	THIS BIT INDICATES THE DEGREE OF DAMAGE IN A FLAWED RDS. IF ON, THEN RECOVERY HAS DETECTED MAJOR DAMAGE TO THE RDS CONTROL BLOCK STRUCTURE AND NO PART OF THE RDS IS USABLE.
		..1.		RVTCIP	THIS RDS IS IN THE PROCESS OF BEING CREATED
		...1 1111		*	RESERVED FOR FLAGS
2	(2)	CHARACTER	2	*	RESERVED FOR FLAGS
4	(4)	ADDRESS	4	RVTRDD	ADDRESS OF THE RDD FOR THIS RDS (IF EQUAL TO KRVTAVL, THEN THIS RVTE HAS NEVER BEEN USED AND IS AVAILABLE TO BE ASSIGNED TO A NEW RDS)
8	(8)	UNSIGNED	4	RVTALET	ALET FOR THIS RDS
12	(C)	SIGNED	4	RVTSLOTS	NUMBER OF USER DATA SPACE SLOTS CURRENTLY AVAILABLE IN THIS RDS
16	(10)	SIGNED	4	RVTNXSQN	NEXT USER DATA SPACE SEQUENCE NO. (THIS RDS IS RETIRED IF THE NEXT SEQUENCE NUMBER IS ZERO AND THE RDD ADDRESS IN RVTRDD IS NOT EQUAL TO KRVTAVL)
20	(14)	CHARACTER	4	*	RESERVED
24	(18)	CHARACTER	0	*	KEEP RVTE A MULTIPLE OF 8 BYTES

IAXRVTE Constants • IAXRVTE Cross Reference

IAXRVTE Constants

Len	Type	Value	Name	Description
1	HEX	00	KRDS1M	1M RDS TYPE
1	HEX	01	KRDSHG	HALF GIG RDS TYPE
1	HEX	02	KRDS2G	2G RDS TYPE
Comment				
CONSTANT FOR RVTRDD FIELD WHEN AN RVTE HAS NEVER BEEN USED				
End of Comment				
4	HEX	000CABAF	KRVTEAVL	UNUSED RVTE CONSTANT

IAXRVTE Cross Reference

Name	Hex Offset	Hex Value
RVTALET	8	
RVTCIP	1	20
RVTE	0	
RVTFLOWD	1	80
RVTFLOW1	1	
RVTNXSQN	10	
RVTRDD	4	
RVTRDSFL	1	40
RVTSLOTS	C	
RVTTYPE	0	

IAXSERVC Information

IAXSERVC Programming Interface information

Programming Interface information

IAXSERVC

End of Programming Interface information

IAXSERV Heading Information • IAXSERV Map

IAXSERV Heading Information

Common Name: RSM Service Return/Reason code constants
Macro ID: IAXSERV
DSECT Name: None
Owning Component: Real Storage Manager (SCIAR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: Caller-supplied
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: Provide equates for return and reason codes.

IAXSERV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	BITSTRING	0	IARCP64RSNCODEMASK	"X'00FFFF00" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
IARCP64 Return and Reason Code definitions					
End of Comment					
		.... ....		IARCP64RC_OK	"X'00000000" Meaning: IARCP64 request successful. Action: None required.
		.... .1..		IARCP64RC_WARN	"X'00000004" Meaning: Warning Action: Refer to the action provided with the specific reason code.
0	(0)	BITSTRING	0	IARCP64RSNGETOUTOFCELLS	"X'00040000" Meaning: The request to the IARCP64 GET service specified EXPAND=NO and the current extent is out of cells. Action: Either change the request to specify EXPAND=YES or write logic to deal with no cell being available.
		.... 1...		IARCP64RC_FAIL	"X'00000008" Meaning: Service failed due to running out of resources Action: Refer to the action provided with the specific reason code.
0	(0)	BITSTRING	0	IARCP64RSNMEMLIMITEXHAUSTED	"X'00040100" Meaning: The request to either the IARCP64 BUILD, IARCP64 GET when the pool is being expanded or the IARST64 GET when a new extent is required was not able to obtain private storage due to the address space MEMLIMIT. Action: Either raise the MEMLIMIT of the address space or determine if private storage is being consumed excessively somewhere. Authorized callers can specify MEMLIMIT=NO on the IARCP64 BUILD to bypass the address space limit checking.
0	(0)	BITSTRING	0	IARCP64RSN64BITCOMMONEXHAUSTED	"X'00040200" Old name for IARCP64RsnInsuffi cientFreeSpace
0	(0)	BITSTRING	0	IARCP64RSNINSUFFICIENTFREESPACE	"X'00040200" Meaning: The request to either the IARCP64 BUILD, IARCP64 GET when the pool is being expanded or the IARST64 GET when a new extent is required was not able to obtain storage storage due to there being insufficient free storage to satisfy the request. Action: For common storage, either raise the system limit on common (HVCOMMON) or determine if common storage is being consumed excessively somewhere.
0	(0)	BITSTRING	0	IARCP64RSNMEMLIMITZERO	"X'00040300" Meaning: The request to IARCP64 BUILD was not able to obtain private storage due to the address space MEMLIMIT being set to zero. Action: Either set the MEMLIMIT of the address space to a non-zero value or if authorized, specify MEMLIMIT=NO on the IARCP64 BUILD call to tell the service to bypass the address space MEMLIMIT.
Comment					
End of IARCP64 Return and Reason Code definitions					
End of Comment					
0	(0)	BITSTRING	0	IARST64RSNCODEMASK	"X'00FFFF00" Use this mask to isolate the non component-diagnostic portion of the reason code.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
IARST64 Return and Reason Code definitions					
End of Comment					
		.... ....		IARST64RC_OK	"X'00000000" Meaning: IARST64 request successful. Action: None required.
		.... 1...		IARST64RC_FAIL	"X'00000008" Meaning: Service failed due to running out of resources Action: Refer to the action provided with the specific reason code.
0	(0)	BITSTRING	0	IARST64RSNMEMLIMITEXHAUSTED	"X'00040100" Meaning: The request to the IARST64 GET service was not able to obtain storage due to address space limits. Action: Either raise the MEMLIMIT of the address space or determine if private storage is being consumed excessively somewhere. Authorized callers can specify MEMLIMIT=NO on the IARCP64 BUILD to bypass the address space limit checking.
0	(0)	BITSTRING	0	IARST64RSN64BITCOMMONEXHAUSTED	"X'00040200" Meaning: The request to the IARST64 GET service was not able to obtain storage due to system limits. Action: For common storage, either raise the system limit on common (HVCCOMMON) or determine if common storage is being consumed excessively somewhere.
0	(0)	BITSTRING	0	IARST64RSNMEMLIMITZERO	"X'00040300" Meaning: The request to IARST64 GET was not able to obtain private storage due to the address space MEMLIMIT being set to zero. Action: Either set the MEMLIMIT of the address space to a non-zero value or if authorized, specify MEMLIMIT=NO on the IARST64 GET call to tell the service to bypass the address space MEMLIMIT.
0	(0)	BITSTRING	0	IARST64RSNLOCKING	"X'00040400" Meaning: The request to IARST64 BUILD/GET was unable to obtain common storage because the invoker holds a lock that prevents creation/expansion of the cellpool. This reason code is not part of the programming interface. Action: None
Comment					
End of IARST64 Return and Reason Code definitions					
End of Comment					
0	(0)	BITSTRING	0	IARCP64ABENDRSNCODEMASK	"X'00FFFF00" Use this mask to isolate the non component-diagnostic portion of the abend reason code.
Comment					
IARCP64 Abend Reason Code definitions					
End of Comment					
0	(0)	BITSTRING	0	IARCP64ABENDRSNCELLADDRLOW	"X'00041000" Meaning: The cell address passed to the IARCP64 FREE service is within a meg used for storage pools, but the address is less than the address of the 1st usable storage address. Action: Correct the address passed to IARCP64 FREE, making sure it is the same address that was returned from IARCP64 GET.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDMOTHERFROMCMRO	"X'00041200" Meaning: The OWNINGTASK was specified as the mother task, but the caller is running on the CMRO task. This is not supported. Action: Correct the specification of OWNINGTASK. If you need the storage to survive job step termination, then specify RCT as the owner. If you are unauthorized, use OWNINGTASK set to either CMRO or JOBSTEP.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCELLNOTINEXTENT	"X'00041300" Meaning: The request was to the IARCP64 or IARST64 FREE service and the address of the storage passed in, is not within the bounds of a cell pool. Action: Correct the address passed to IARCP64 FREE or IARST64 FREE, making sure it is the same address that was returned from IARCP64 GET or IARST64 GET.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDNOTRCTORCMRO	"X'00041400" Meaning: The parameter list passed to the IARCP64 BUILD service from an SRB or cross memory environment did not specify RCT or CMRO as the owning task. Action: Fix the OWNINGTASK parameter to specify RCT or CMRO. Alternatively, build the pool from a different environment.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDCELLSIZEZERO	

IAXSERC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDNOTAUTH	"X'00041500" Meaning: The parameter list passed to the IARCP64 BUILD service specified the CELLSIZE as zero. Action: Change the cell size to be in the range of 1 to 520,192.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDCELLSIZETOOBIG	"X'00041600" Meaning: The parameter list passed to the IARCP64 BUILD service from an unauthorized caller requested an authorized option. System key, common storage, RCT ownership, MEMLIMIT=NO, MOTKN, TYPE=FIXED or DREF. Action: Either correct the environment such that the caller is authorized or change the options on IARCP64 BUILD such that it does not request options requiring authorization.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDKEYNOT9	"X'00041700" Meaning: The parameter list passed to the IARCP64 BUILD service specified a cell size larger than the maximum size supported. Action: Specify a size between 1 and 520,192. If a larger storage area is needed, consider using IARV64 REQUEST=GETSTOR or GETCOMMON.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCELLLOVERRUN	"X'00041800" Meaning: The parameter list passed to the IARCP64 BUILD service from an unauthorized caller, specified a storage key other than 9. Action: Either remove the key specification for an unauthorized caller, specify key 9 or change the program to run in an authorized environment.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCELLNOTINUSE	"X'00041900" Meaning: The request was to the IARCP64 or IARST64 FREE service and the trailer data at the end of the cell was detected as being overrun. If the overrun is sufficiently large, it will cause damage to the following cell. The caller is abended so they can fix the code to not use more storage than is requested. Action: Determine whether the storage has been overrun or whether the trailer data was overlaid by some other code. Fix the code so it only uses the amount of storage requested. Possibly increase the cell size to meet the program's needs.
0	(0)	BITSTRING	0	IARCP64ABENDRSNNOTONCELLBOUNDARY	"X'00041A00" Meaning: The request was to the IARCP64 or IARST64 FREE service and the address of the storage passed in, is already in the freed state. This will happen when an application frees the storage twice. Action: Determine whether the current application is freeing the storage twice or whether it is using a cell that some other program is freeing twice.
0	(0)	BITSTRING	0	IARCP64ABENDRSNIARV64ERROR	"X'00041B00" Meaning: The request was to the IARCP64 or IARST64 FREE service and the address of the storage passed in is not on a cell boundary in the cell pool from which the GET request was satisfied. Action: Correct the address passed to IARCP64 FREE, making sure it is the same address that was returned from IARCP64 GET.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCELLPOOLHEADERKEYNOT0	"X'00041C00" Meaning: During processing of IARCP64 BUILD or GET, a call to the IARV64 service for GETSTOR, GETCOMMON, PAGEFIX or PROTECT failed. The failing return code from IARV64 was placed in register 2 prior to the abend. The failing reason code from IARV64 was placed in register 3 prior to the abend. Action: Examine the return and reason code as documented under IARV64 to determine if the problem is one that you can resolve.
0	(0)	BITSTRING	0	IARCP64ABENDRSNHEADERFAILEDVALIDITYCHECK	"X'00041D00" Meaning: The cell pool header points to a key 0 control block used to protect cell pool information. The pointer did not point to key 0 storage. This would happen if a caller tried to trick the service into getting storage that the user was not normally allowed to get. Action: Correct the cell pool address passed to IARCP64 GET, making sure it is the same address that was returned from IARCP64 BUILD. Do not modify the cell pool header, other than through IARCP64 services.
0	(0)	BITSTRING	0	IARCP64ABENDRSNHEADERDAMAGED	"X'00041E00" Meaning: The cell pool header points to a key 0 control block used to protect cell pool information. The pointer did not point to a valid structure used by IARCP64. This would happen if a caller tried to trick the service into getting storage that the user was not normally allowed to get. Action: Correct the cell pool address passed to IARCP64 GET, making sure it is the same address that was returned from IARCP64 BUILD.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCPHANOTQUEUED	"X'00041F00" Meaning: The cell pool header authorized area was damaged. This could be caused by a storage overlay or by a user deleting a cell pool while other work units are trying to obtain a cell from the pool. Action: Make sure the application does not request cells during or after the cell pool is deleted.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCPHANOTQUEUED	"X'00042000" Meaning: The cell pool header authorized area was not queued to the owning task as expected. This could happen due to storage overlays, or possibly the user doing IARCP64 DELETE while the pool was still in use. Action: Make sure the application does not request cells during or after the cell pool is deleted. If the problem persists, collect a dump and contact IBM service.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDVERSIONHIGH	"X'00042100" Meaning: The parameter list passed to the IARCP64 BUILD service has a version level higher than the current implementation can support. Action: Correct the invocation of IARCP64 such that you don't specify a level or use parameters that are not supported on the release of the operating system on which it is intended to run.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDDBADPARMLIST	"X'00042200" Meaning: The parameter list passed to IARCP64 BUILD is not addressable in the caller's key or is not valid storage. Action: Correct the calling program to place the parameter list in storage addressable in the primary address space.
0	(0)	BITSTRING	0	IARCP64ABENDRSNBUILDNOOWNER	"X'00042300" Meaning: The parameter list passed to the IARCP64 BUILD service for a common cell pool does not have an owner option specified. Action: Add the OWNER keyword to the invocation of IARCP64 BUILD when building a cell pool in common.
0	(0)	BITSTRING	0	IARCP64ABENDRSNDELETENOTCHAINED	"X'00042400" Meaning: A request was made to the IARCP64 DELETE service for a user key cell pool. The control information for this cell pool was missing from the system queue used to maintain it. This can only happen if the caller has 2 tasks racing to delete the same cell pool. Action: Fix the application cleanup logic so that the cell pool is only deleted once.
0	(0)	BITSTRING	0	IARCP64ABENDRSNPOOLNOTINCALLERKEY	"X'00042500" Meaning: The request to IARCP64 GET or DELETE was against a pool that was not in the key of the caller. Action: You must be in a key that has the ability to modify the pool storage for the request to be processed.
0	(0)	BITSTRING	0	IARCP64ABENDRSNPRIMARYEXTENTOVERLAID	"X'00042600" Meaning: The request to IARST64 or IARCP64 GET was against a storage pool where the primary extent control information has been overlaid. Action: Collect a dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARCP64ABENDRSNSECONDARYEXTENTOVERLAID	"X'00042700" Meaning: The request to IARST64 or IARCP64 GET was against a storage pool where the secondary extent control information has been overlaid. Action: Collect a dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARCP64ABENDRSNUNEXPECTEDERROR	"X'00042800" Meaning: During processing of IARCP64 BUILD, DELETE or the cell pool expansion on a GET, an unexpected abend occurred. An SDUMP should have been generated. Action: Collect the dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARCP64ABENDRSNVALIDATIONERROR	"X'00052A00" Meaning: The call to the IARCP64 GET service detected a validation error when locating the storage pool to be used. Possible cause is storage overlay of the storage pool control block in the caller's key. Action: Collect a dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARCP64ABENDRSNCELLLT4GIG	"X'00052C00" Meaning: The call to the IARCP64 or IARST64 FREE service was passed a cell address less than 4 Gig, so it can't possibly be a valid cell address in a 64 bit cell pool. Action: Only pass a storage address that was obtained with IARCP64 or IARST64 GET.

Comment

End of IARCP64 Abend Reason Code definitions

End of Comment

0	(0)	BITSTRING	0	IARST64ABENDRSNCODEMASK	"X'00FFFF00" Use this mask to isolate the non component-diagnostic portion of the abend reason code.
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Comment

IARST64 Abend Reason Code definitions

End of Comment

0	(0)	BITSTRING	0	IARST64ABENDRSNCELLADDRLOW	"X'00041000" Meaning: The storage address passed to the IARST64 FREE service is within a meg used for storage pools, but the address is less than the address of the 1st usable storage address. Action: Correct the address passed to IARST64 FREE, making sure it is the same address that was returned from IARST64 GET.
0	(0)	BITSTRING	0	IARST64ABENDRSNKEYGT7COMMON	

IAXSERVC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IARST64ABENDRSNGETMOTHERFROMCMRO	"X'00051100" Meaning: The request to IARST64 GET was for common storage, but the requested or caller key was greater than key 7. You cannot allocate common storage in key 8 or above. Action: Correct the key passed to IARST64 GET or change your request to get private storage.
0	(0)	BITSTRING	0	IARST64ABENDRSNCELLNOTINEXTENT	"X'00051200" Meaning: The request was to the IARST64 GET service and specified OWNINGTASK(MOTHER), but the caller is running on the CMRO task. You can't request the mother task be the storage owner from the CMRO task. Action: Either specify CMRO as the owner or specify RCT if you want the storage to persist across termination of the CMRO. "X'00041300" Meaning: The request was to the IARCP64 or IARST64 FREE service and the address of the storage passed in, is not within the bounds of a cell pool. Action: The address passed to IARST64 REQUEST=FREE must be the same as the address obtained from IARST64 REQUEST=GET.
0	(0)	BITSTRING	0	IARST64ABENDRSNGETNOTRCTORCMRO	"X'00051400" Meaning: The request was to the IARST64 GET service for private storage and the caller was running in cross memory mode or SRB mode. In these environments the OWNINGTASK parameter must be set to RCT or CMRO. Neither of these was specified, so the request is failed. Action: Specify the OWNINGTASK parameter as RCT or CMRO.
0	(0)	BITSTRING	0	IARST64ABENDRSNGETCELLSIZEZERO	"X'00051500" Meaning: The request was to the IARST64 GET service and specified a length of zero. Action: Specify a length between 1 and 128K.
0	(0)	BITSTRING	0	IARST64ABENDRSNGETNOTAUTH	"X'00051600" Meaning: The request was to the IARST64 GET service and specified a parameter that requires the caller to be running in key 0-7. The caller is not authorized to use authorized options of COMMON, DREF, FIXED, OWNINGTASK(RCT), CALLERKEY(NO) and Key00ToF0 set to a system key. Action: Either run the code in key 0-7 or do not use authorized options.
0	(0)	BITSTRING	0	IARST64ABENDRSNGETCELLSIZETOOBIG	"X'00051700" Meaning: The request was to the IARST64 GET service and specified a length greater than 128K. Action: Specify a size between 1 and 128K. If larger storage is needed, consider using IARCP64 or IARV64 GETSTOR or GETCOMMON.
0	(0)	BITSTRING	0	IARST64ABENDRSNGETKEYNOT9	"X'00051800" Meaning: The request was to the IARST64 GET service and specified a CALLERKEY(NO) and a value for Key00ToF0 that was not key 9 and the caller is not authorized. Action: The only key that an unauthorized user can specify is key 9. Either request key 9 or change the specification to CALLERKEY(YES).
0	(0)	BITSTRING	0	IARST64ABENDRSNCELLOVERRUN	"X'00041900" Meaning: The request was to the IARCP64 or IARST64 FREE service and the trailer data at the end of the cell was detected as being overrun. If the overrun is sufficiently large, it will cause damage to the following cell. The caller is abended so they can fix the code to not use more storage than is requested. Action: Determine whether the storage has been overrun or whether the trailer data was overlaid by some other code. Fix the code so it only uses the amount of storage requested.
0	(0)	BITSTRING	0	IARST64ABENDRSNCELLNOTINUSE	"X'00041A00" Meaning: The request was to the IARCP64 or IARST64 FREE service and the address of the storage passed in, is already in the freed state. This will happen when an application frees the storage twice. Action: Determine whether the current application is freeing the storage twice or whether it is using a cell that some other storage is freeing twice.
0	(0)	BITSTRING	0	IARST64ABENDRSNNOTONCELLBOUNDARY	"X'00041B00" Meaning: The request was to the IARCP64 or IARST64 FREE service and the address of the storage passed in is not on a cell boundary in the cell pool from which the GET request was satisfied. Action: When freeing storage with IARST64 REQUEST=FREE, make sure to specify the address that was returned by IARST64 REQUEST=GET.
0	(0)	BITSTRING	0	IARST64ABENDRSNIARV64ERROR	"X'00041C00" Meaning: During processing of IARST64 GET, a call to the IARV64 service for GETSTOR, GETCOMMON, PAGEFIX or PROTECT failed. The failing return code from IARV64 was placed in register 2 prior to the abend. The failing reason code from IARV64 was placed in register 3 prior to the abend. Action: Examine the return and reason code as documented under IARV64 to determine if the problem is one that you can resolve.
0	(0)	BITSTRING	0	IARST64ABENDRSNCPHANTOQUEUE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IARST64ABENDRSNPOOLNOTINCALLERKEY	"X'00042000" Meaning: The cell pool header authorized area was not queued to the owning task as expected. This could happen due to storage overlays or the caller bypassing the IARST64 macro and PCing directly to the service with incorrect input parameters. Action: Make sure the application is using the IARST64 macro to request storage. If the problem persists, collect a dump and contact IBM service.
0	(0)	BITSTRING	0	IARST64ABENDRSNPRIMARYEXTENTOVERLAID	"X'00042500" Meaning: The request to IARST64 GET was against a storage pool that was not in the key of the caller. Normally this will abend with an 0C4, but if the pool is out of cells and is in storage that is not fetch protected, the pool expand routine verifies that the caller is allowed to modify this storage pool. Action: You must be in a key that has the ability to modify the pool storage for the request to be processed.
0	(0)	BITSTRING	0	IARST64ABENDRSNSECONDARYEXTENTOVERLAID	"X'00042600" Meaning: The request to IARST64 or IARCP64 GET was against a storage pool where the primary extent control information has been overlaid. Action: Collect a dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARST64ABENDRSNUNEXPECTEDERROR	"X'00042700" Meaning: The request to IARST64 or IARCP64 GET was against a storage pool where the secondary extent control information has been overlaid. Action: Collect a dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARST64ABENDRSNGETSIZETOOBIG	"X'00042800" Meaning: During processing of IARST64 GET an unexpected abend occurred. An SDUMP should have been generated. Action: Collect the dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARST64ABENDRSNINVALIDATIONERROR	"X'00052900" Meaning: The call to the IARST64 GET service specified a cell size larger than the maximum size supported. Action: Specify a size between 1 and 128K. If a larger storage area is needed, consider using IARCP64 or IARV64 REQUEST=GETSTOR or GETCOMMON.
0	(0)	BITSTRING	0	IARST64ABENDRSNMEMLIMITNOAUTH	"X'00052A00" Meaning: The call to the IARST64 GET service detected a validation error when locating the storage pool to be used. Possible cause is storage overlay of the storage pool control block in the caller's key. Action: Collect a dump and report the problem to IBM.
0	(0)	BITSTRING	0	IARST64ABENDRSNCELLLT4GIG	"X'00052B00" Meaning: The call to the IARST64 GET service requested MEMLIMIT=NO, but is running unauthorized (key 8-15 and problem program state). Action: Either specify MEMLIMIT=YES or call from an authorized environment.
0	(0)	BITSTRING	0	IARST64ABENDRSNLOCALSYSAREAYESUNAUTH	"X'00052C00" Meaning: The call to the IARCP64 or IARST64 FREE service was passed a cell address less than 4 Gig, so it can't possibly be a valid cell address in a 64 bit cell pool. Action: Only pass a storage address that was obtained with IARCP64 or IARST64 GET.
0	(0)	BITSTRING	0	IARST64ABENDRSNCELLT4GIG	"X'00052D00"

IAXSERVC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IARCP64ABENDRSNBUILDADPARMLIST	0	42200	IARCP64ABENDRSNCELLNOTINEXTENT	0	52C00
IARCP64ABENDRSNBUILDCELLSIZETOOBIG	0	41700	IARCP64ABENDRSNCELLNOTINUSE	0	41300
IARCP64ABENDRSNBUILDCELLSIZEZERO	0	41500	IARCP64ABENDRSNCELLPOOLHEADERKEYNOTO	0	41A00
IARCP64ABENDRSNBUILDKEYNOT9	0	41800	IARCP64ABENDRSNCELLOVERRUN	0	41900
IARCP64ABENDRSNBUILDMOTHERFROMCMRO	0	41200	IARCP64ABENDRSNCELLPOOLHEADERKEYNOTO	0	41D00
IARCP64ABENDRSNBUILDNOOWNER	0	42300	IARCP64ABENDRSNCODEMASK	0	FFFF00
IARCP64ABENDRSNBUILDNOTAUTH	0	41600	IARCP64ABENDRSNCPHANOTQUEUED	0	42000
IARCP64ABENDRSNBUILDNOTRCTORCMRO	0	41400	IARCP64ABENDRSNDELETENOTCHAINED	0	42400
IARCP64ABENDRSNBUILDVERSIONHIGH	0	42100	IARCP64ABENDRSNHEADERDAMAGED	0	41F00
IARCP64ABENDRSNCELLADDRLOW	0	41000	IARCP64ABENDRSNHEADERFAILEDVALIDITYCHECK	0	41E00
IARCP64ABENDRSNCELLT4GIG	0	41000	IARCP64ABENDRSNIARV64ERROR	0	41C00

IAXSERC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IARCP64ABENDRSNOTONCELLBOUNDARY	0	41B00	IARST64ABENDRSNVALIDATIONERROR	0	42800
IARCP64ABENDRSNPOOLNOTINCALLERKEY	0	42500	IARST64RC_FAIL	0	52A00
IARCP64ABENDRSNPRIMARYEXTENTOVERLAID	0	42600	IARST64RC_OK	0	8
IARCP64ABENDRSNSECONDARYEXTENTOVERLAID	0	42700	IARST64RC_OK	0	0
IARCP64ABENDRSNUNEXPECTEDERROR	0	42800	IARST64RSNCODEMASK	0	FFFF00
IARCP64ABENDRSNVALIDATIONERROR	0	52A00	IARST64RSNLOCKING	0	40400
IARCP64RC_FAIL	0	8	IARST64RSNMEMLIMITEXHAUSTED	0	40100
IARCP64RC_OK	0	0	IARST64RSNMEMLIMITZERO	0	40300
IARCP64RC_WARN	0	4	IARST64RSN64BITCOMMONEXHAUSTED	0	40200
IARCP64RSNCODEMASK	0	FFFF00			
IARCP64RSNGETOUTOFCELLS	0	40000			
IARCP64RSNINSUFFICIENTFREESPACE	0	40200			
IARCP64RSNMEMLIMITEXHAUSTED	0	40100			
IARCP64RSNMEMLIMITZERO	0	40300			
IARCP64RSN64BITCOMMONEXHAUSTED	0	40200			
IARST64ABENDRSNCELLADDRLOW	0	41000			
IARST64ABENDRSNCELLLT4GIG	0	52C00			
IARST64ABENDRSNCELLNOTINEXTENT	0	41300			
IARST64ABENDRSNCELLNOTINUSE	0	41A00			
IARST64ABENDRSNCELLOVERRUN	0	41900			
IARST64ABENDRSNCODEMASK	0	FFFF00			
IARST64ABENDRSNCPHANTOQUEUE	0	42000			
IARST64ABENDRSNGETCELLSIZETOOBIG	0	51700			
IARST64ABENDRSNGETCELLSIZEZERO	0	51500			
IARST64ABENDRSNGETKEYNOT9	0	51800			
IARST64ABENDRSNGETMOTHERFROMCMRO	0	51200			
IARST64ABENDRSNGETNOTAUTH	0	51600			
IARST64ABENDRSNGETNOTRCTORCMRO	0	51400			
IARST64ABENDRSNGETSIZETOOBIG	0	52900			
IARST64ABENDRSNIARV64ERROR	0	41C00			
IARST64ABENDRSNKEYGT7COMMON	0	51100			
IARST64ABENDRSNLOCALSYSAREAYESUNAUTH	0	52D00			
IARST64ABENDRSNMEMLIMITNOUNAUTH	0	52B00			
IARST64ABENDRSNOTONCELLBOUNDARY	0	41B00			
IARST64ABENDRSNPOOLNOTINCALLERKEY	0	42500			
IARST64ABENDRSNPRIMARYEXTENTOVERLAID	0	42600			
IARST64ABENDRSNSECONDARYEXTENTOVERLAID	0	42700			
IARST64ABENDRSNUNEXPECTEDERROR					

IAXSPE Information

IAXSPE Heading Information

Common Name: Shared page element
Macro ID: IARSPE
DSECT Name: SPE
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
 Subpool: 245
 Key: 0
 Residency: ESQA
Size: See Assembler Listing
Created by: IARVSERV SHARE service
Pointed to by:
Serialization: RSMAD or RSMCM or RSMGL lock.
Function: Provide information on a virtual view of the data which is part of a shared data group.

IAXSPE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	SPE	
0	(0)	CHARACTER	40	SPEALL	
0	(0)	ADDRESS	4	SPEFQPTR	forward pointer
4	(4)	ADDRESS	4	SPEBQPTR	backward pointer
8	(8)	ADDRESS	4	SPERSPEQ	related SPE queue
		1...		SPEFREE	SPE is on a free queue
12	(C)	ADDRESS	4	SPESDH	SDH address for shared page group
		1...		SPEIGNOR	This SPE may be ignored when invalidating this shared page group
16	(10)	ADDRESS	4	SPEVSA	page address
16	(10)	CHARACTER	3	*	
		1...		SPEDSPPG	Page is a dataspace page
16	(10)	BITSTRING	2	*	Actual contents of VSA.
18	(12)	.... 1111		SPEFLGS3	flags
		.... 1...		SPEANY64	May be fixed anywhere above or below 2 GIG
		.... .1..		SPEUNAU	View was created by an unauthorized user. At Unshare time if this bit is on, the unauthorized view count should be decremented (RABTUSV)
		.... ..1.		SPEEXPP1	This view is explicitly protected via pgser-protect service
		.... ...1		SPEMREC	Method specific recording bit
		.... ...1		SPEFIXHI	Method left the page table fix count high
		.... ...1		SPELOCKD	Method locked this view
19	(13)	CHARACTER	1	SPEFLGS2	flags
		1...		SPEGONE	Page no longer exists
		.1..		SPEVALID	This page is valid in central storage
		.1.		SPEIOCUR	Paging I/O in progress for this page
		...1		SPEDGSX	The page represented by this SPE has undergone a status change which affects its membership in the current group.
		.... 1...		SPEANYWH	Page may be fixed anywhere
		.... .1..		SPESSA	Page is Subspace Assigned
		.... ..1.		SPEDREF	Page is DREF. XPTDRCT contains the actual count.
		.... ...1		SPEFIXED	Page is fixed. XPTFXCT contains the actual count (when SPEGONE=0) or SPEFIXCT contains the actual count (when SPEGONE=1).
20	(14)	UNSIGNED	4	SPEPWORD	programming word for page (valid only for dataspace pages, SPEDSPPG=1)
20	(14)	ADDRESS	4	SPESPGTR	real address of the subspace page table for this page (valid only if page is valid in central storage and subspace assigned, SPEVALID=1, SPEIGNOR=0, and SPESSA=1)

Comment

Note - the real address of subspace page tables is less than 2Gig b/c it resides in LSQA

End of Comment

24	(18)	ADDRESS	4	SPERAB	address of the RAB for space owning this page. Valid only when SPEIOCUR=0. When SPEIOCUR=1, get RAB from SPEPCB->PCBPRAB
24	(18)	ADDRESS	4	SPEPCB	PCB address for view-related I/O. Valid only when SPEIOCUR=1.
28	(1C)	ADDRESS	8	SPEPGTR	Real address of the page table for this page. Valid only if page is valid in central storage or has paging I/O in progress, SPEVALID=1 or SPEIOCUR=1.
36	(24)	CHARACTER	4	*	
36	(24)	SIGNED	2	SPEFIXCT	Fix count for this view

IAXSPE Constants • IAXSPE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
38	(26)	BITSTRING 1... .... .11. .... ...1 1...	1	SPEFLGS1 SPEOPAGE SPEVIEW * SPELSQA	Flags View contains original page (source from first share) Shared page view Reserved (available, use last) Copy of PFTLSQA if view is for SQA or LSQA reserved
40	(28)	CHARACTER	0	*	

IAXSPE Constants

Len	Type	Value	Name	Description
Comment				
SPE constants				
End of Comment				
0	BIT	01	SPEVIEW_COW	Copy-on-write view
0	BIT	00	SPEVIEW_SW	Shared/write view
0	BIT	10	SPEVIEW_RO	Read-only view
0	BIT	11	SPEVIEW_TW	Target-write view
4	DECIMAL		SPELEN	Length of the SPE
4	HEX	7FFFFFF8	SPESDH_REFMASK	Mask to extract SDH address. Eg: SDHPTR=(SPESDH&SPESDH_REFMASK)
4	HEX	80000007	SPESDH_SETMASK	Mask to set SDH address. Eg: SPESDH=(SPESDH&SPESDH_SETMASK) | (SDHPTR&SPESDH_REFMASK)
4	HEX	7FFFF000	SPEVSA_REFMASK	Mask to extract VSA value. Eg: VSA=(SPEVSA&SPEVSA_REFMASK)
4	HEX	80000FFF	SPEVSA_SETMASK	Mask to extract VSA value. Eg: SPEVSA=(SPEVSA&SPEVSA_SETMASK) | (VSA&SPEVSA_REFMASK)

IAXSPE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SPE	0		SPEUNAU	12	04
SPEALL	0		SPEVALID	13	40
SPEANYWH	13	08	SPEVIEW	26	60
SPEANY64	12	08	SPEVSA	10	
SPEBQPTR	4				
SPEDGSX	13	10			
SPEDREF	13	02			
SPEDSPPG	10	80			
SPEEXPPI	12	02			
SPEFIXCT	24				
SPEFIXED	13	01			
SPEFIXHI	12	01			
SPEFLGS1	26				
SPEFLGS2	13				
SPEFLGS3	12	0F			
SPEFQPTR	0				
SPEFREE	8	80			
SPEGONE	13	80			
SPEIGNOR	C	80			
SPEIOCUR	13	20			
SPELOCKD	12	01			
SPELSQA	26	08			
SPEMREC	12	01			
SPEOPAGE	26	80			
SPEPCB	18				
SPEPGTR	1C				
SPEPWOR	14				
SPERAB	18				
SPERSPEQ	8				
SPESDH	C				
SPESPGTR	14				
SPESSA	13	04			

IAXUDD Information

IAXUDD Heading Information

Common Name: USER DATA SPACE DESCRIPTOR
Macro ID: IARUDD
DSECT Name: UDD

ACRONYM: UDD
Ownning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Virtual Storage: YES
 Auxiliary Storage: N/A
 Subpool: RESIDES IN RSM MANAGED DATA SPACE
 Key: 0
 Data Space: YES
 Residency: Anywhere below 2 Gig

Size: See Assembler Listing
Created by: DSPSERV CREATE
Pointed to by: UDDPTR, UDDFQPTR, UDDBQPTR, DABIUUQF,
 DABIUUQL
Serialization: ADDRESS SPACE LEVEL LOCK FOR IUUQ
 RSMDS LOCK FOR THE FUQ
Function: THE UDD CONTAINS THE INFORMATION USED TO MANAGE
 A SINGLE USER DATA SPACE.

IAXUDD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	128	UDD	
0	(0)	CHARACTER	128	UDDALL	
0	(0)	CHARACTER	8	UDDNEXTLOCATOR	Ptr and Alet to next Udd
0	(0)	ADDRESS	4	UDDFQPTR	FORWARD UDD QUEUE POINTER
4	(4)	UNSIGNED	4	UDDFALET	FORWARD UDD QUEUE ALET
8	(8)	CHARACTER	8	UDDPREVLOCATOR	Ptr and Alet to prev Udd
8	(8)	ADDRESS	4	UDDBQPTR	BACKWARD UDD QUEUE POINTER
12	(C)	UNSIGNED	4	UDDBALET	BACKWARD UDD QUEUE ALET
16	(10)	CHARACTER	4	UDDFLAGS	UDD FLAGS
16	(10)	CHARACTER	1	UDDSKEY	STORAGE PROTECT KEY
		1111 1...		UDDSKEY5	STORAGE KEY 5 BITS
		1111		UDDKEY	KEY FOR THE DATA SPACE PAGES
		.... 1...		UDDFPROT	PAGES ARE FETCH PROTECTED
		.... .111		*	RESERVED
17	(11)	BITSTRING	1	UDDFLGS1	FLAG BYTE 1
		1...		UDDSALL	SCOPE ALL USER DATA SPACE
		.1..		UDDSSGL	SCOPE SINGLE USER DATA SPACE OR A HIPERSPACE
		..1.		UDDDREF	DREF USER DATA SPACE
		...1		UDDHIPER	UDD IS FOR A HIPERSPACE
		.... 1...		UDDSCRL	SCROLL TYPE HIPERSPACE
		.... .1..		UDDCACHE	CACHE TYPE HIPERSPACE
		.... ..1.		UDDCSTNO	CASTOUT(NO)
		.... ...1		UDDSCOM	SCOPE COMMON USER DATA SP.
18	(12)	BITSTRING	1	UDDFLGS2	FLAG BYTE 2
		1...		UDDSHARD	SHARED HIPERSPACE
		.1..		UDDSHARE	PORTION OF UDD MAY HAVE ONCE CONTAINED SHARED VIRTUAL
		..1.		UDDUSER	THIS DATA SPACE HAS USER KEY LIMITS (SMF COUNTS) APPLIED TO IT.
		...1		UDDMEGAROOED	Data space contains a megarooed segment
		.... 1...		UDDHIGH	MAY BE BACKED ABOVE/BELOW 2 GIG WHEN IOON
		.... .1..		UDDCRITICALPAGING	Indicates that dataspace can contain critical data. On-Dataspace is considered to have critical data, when the address space is marked as critical paging. Off-Pages should be paged out to aux
		.... ..1.		UDDSCMEVAC	This UDD has not yet been processed for storage evacuation
		.... ...1		UDDLARGEPAGE	This data space is preferentially backed with large (1M) pages
19	(13)	BITSTRING	1	UDDFLGS3	FLAG BYTE 3
		1...		UDD_HIDEZERO	Data space hides page 0
		.111 1111		*	Reserved
20	(14)	CHARACTER	8	UDDDSPNM	NAME OF THE USER DATA SPACE
28	(1C)	UNSIGNED	4	UDDSQN	USER DATA SPACE SEQUENCE NO.
32	(20)	ADDRESS	4	UDDRDD	ADDRESS OF THE RDD

IAXUDD Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	ADDRESS	4	UDDASTE	ADDRESS OF THE ASTE
40	(28)	ADDRESS	4	UDDTCB	ADDRESS OF THE OWNING TCB
44	(2C)	SIGNED	4	UDDMXVSA	MAXIMUM VIRTUAL STORAGE ADDRESS ALLOWED FOR THIS DATA SPACE AT ITS CURRENT SIZE.
44	(2C)	UNSIGNED	4	UDDVSA32	UNSIGNED VERSION OF UDDMXVSA
48	(30)	ADDRESS	4	UDDRRVRQ	ADDRESS OF 1ST RVR ON RELATED CHAIN
52	(34)	SIGNED	4	UDDMAXSZ	MAXIMUM SIZE POSSIBLE FOR THIS DATA SPACE (IN UNITS OF BLOCKS). THE CURRENT SIZE OF THE DATA SPACE CAN NEVER BE EXTENDED BEYOND THIS AMOUNT.
56	(38)	CHARACTER	4	UDDSHCTL	SHARE CONTROL COUNTS
56	(38)	UNSIGNED	2	UDDUPDCT	CURRENT NUMBER OF UPDATERS FOR THIS DATA SPACE AS REQUESTED THROUGH THE VDAC CONTROL FUNCTION
58	(3A)	UNSIGNED	2	UDDRDCT	CURRENT NUMBER OF READERS FOR THIS DATA SPACE AS REQUESTED THROUGH THE VDAC CONTROL FUNCTION
60	(3C)	BITSTRING	4	UDDAALET	ALET OF ASTE FOR A CADS
64	(40)	BITSTRING	1	UDDQFLGS	UDD QUEUE FLAGS
		1...		UDDPDFQP	PDFQ WAS PROCESSED BY UIC UPDATE
		.1..		UDDDFQFQ	PDFQ WAS PROCESSED BY UIC UPDATE
		..1.		UDDREPAIR	DATASPACE FRAME Q HAS BEEN REPAIRED FOR THIS UDD BY THE DATASPACE FRAME Q REPAIR SRB (IARRUSRB)
		...1 1111		*	RESERVED
65	(41)	CHARACTER	3	*	RESERVED
68	(44)	ADDRESS	8	UDDPDFQH	Pointer to the header of the pageable data space frame queue (PDFQ)
76	(4C)	UNSIGNED	4	*	Reserved
80	(50)	UNSIGNED	1	UDDMXUIC	Max UIC for the PDFQ
81	(51)	CHARACTER	3	*	Reserved
84	(54)	ADDRESS	8	UDDDFQFH	Pointer to the header of the FIXED DATA SPACE FRAME QUEUE (DFQ)
92	(5C)	UNSIGNED	4	*	Reserved
96	(60)	CHARACTER	8	*	old frame counts

Comment

Count fields are now in the header (pfhdr)

End of Comment

104	(68)	ADDRESS	8	UDDPDLQH	Pageable large page data space frame queue (PDLQ)
112	(70)	CHARACTER	16	*	Reserved
128	(80)	CHARACTER	0	*	RESERVED - KEEP THE LENGTH OF A UDD AT 128 BYTES

IAXUDD Constants

Len	Type	Value	Name	Description
1	HEX	01	UDDFUQN	FREE UDD QUEUE (ON RDD)
1	HEX	02	UDDIUQN	IN-USE UDD QUEUE (ON DAB)
1	HEX	03	UDDDIUQN	DELETE INTERNAL UDD QUEUE

Comment

UDD MASKS

End of Comment

4	HEX	00800000	UDDKSALL	MASK FOR THE SCOPE(ALL) UDS BIT
4	HEX	00400000	UDDKSSGL	MASK FOR THE SCOPE(SINGLE) UDS BIT
4	HEX	00200000	UDDKDREF	MASK FOR THE DREF UDS BIT
4	HEX	00100000	UDDKHIPR	MASK FOR THE HIPERSPACE BIT
4	HEX	00080000	UDDKSCRL	MASK FOR THE SCROLL HIPERSPACE BIT
4	HEX	00040000	UDDKCACH	MASK FOR THE CACHE HIPERSPACE BIT
4	HEX	00010000	UDDKSCOM	MASK FOR THE COMMON BIT
4	HEX	00088000	UDDKSHSH	MASK USED TO DETECT A SHARED SCROLL TYPE HIPERSPACE
4	HEX	0000007F	UDDBDYMASK	Used for testing whether UCB is on the correct boundary

IAXUDD Cross Reference

Name	Hex Offset	Hex Value
UDD	0	
UDD_HIDEZERO	13	80
UDDAALET	3C	
UDDALL	0	
UDDASTE	24	
UDDBALET	C	
UDDBQPTR	8	
UDDCACHE	11	04
UDDCRITICALPAGING		
	12	04
UDDCSTNO	11	02
UDDDREF	11	20
UDDDSPNM	14	
UDDFALET	4	
UDDFDQFH	54	
UDDFDQFP	40	40
UDDFLAGS	10	
UDDFLGS1	11	
UDDFLGS2	12	
UDDFLGS3	13	
UDDFPROT	10	08
UDDFQPTR	0	
UDDHIGH	12	08
UDDHIPER	11	10
UDDKEY	10	F0
UDDLARGEPAGE	12	01
UDDMAXSZ	34	
UDDMEGAROOED	12	10
UDDMXUIC	50	
UDDMXVSA	2C	
UDDNEXTLOCATOR		
	0	
UDDPDFQH	44	
UDDPDFQFP	40	80
UDDPDLQH	68	
UDDPREVLOCATOR		
	8	
UDDQFLGS	40	
UDDRDCT	3A	
UDDRDD	20	
UDDREPAIR	40	20
UDDRRVRQ	30	
UDDSALL	11	80
UDDSCMEVAC	12	02
UDDSCOM	11	01
UDDSCRLL	11	08
UDDSHARD	12	80
UDDSHARE	12	40
UDDSHCTL	38	
UDDSKEY	10	
UDDSKEY5	10	F8
UDDSQN	1C	
UDDSSGL	11	40
UDDTCB	28	
UDDUPDCT	38	
UDDUSER	12	20
UDDVSA32	2C	

IAXV64C Information

IAXV64C Programming Interface information

Programming Interface information

IAXV64C

End of Programming Interface information

IAXV64C Heading Information • IAXV64C Map

IAXV64C Heading Information

Common Name: IARV64 Service Return/Reason code constants
Macro ID: IAXV64C
DSECT Name: None
Owning Component: Real Storage Manager (SCIAR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: Caller-supplied
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: Provide equates for return and reason codes.

IAXV64C Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	BITSTRING	0	IARV64RSNCODEMASK	"X'00FFFF00" Use this mask to isolate the non component-diagnostic portion of the reason code.
Comment					
IARV64 Return and Reason Code definitions for GETCOMMON					
End of Comment					
		.... ....		IARV64RC_OK	"X'00000000" Meaning: IARV64 request successful. Action: None required.
		.... .1..		IARV64RC_WARN	"X'00000004" Meaning: Warning Action: Refer to the action provided with the specific reason code.
		.... 1...		IARVP64RC_FAIL	"X'00000008" Meaning: Service failed due to running out of resources Action: Refer to the action provided with the specific reason code.
0	(0)	BITSTRING	0	IARV64RSN64BITMEMLIMITEXHAUSTED	"X'00001600" Meaning: For 64-Bit private storage the address space MEMLIMIT was exceeded. Action: Either raise the MEMLIMIT of the address space or determine if private storage is being consumed excessively somewhere.
0	(0)	BITSTRING	0	IARV64RSN64BITCOMMONEXHAUSTED	"X'00001700" Meaning: Insufficient free space to satisfy the IARV64 request Action: For common storage, either raise the system limit on common (HVCOMMON) or determine if common storage is being consumed excessively somewhere.
0	(0)	BITSTRING	0	IARV64RSN64BITMEMLIMITZERO	"X'00002100" Meaning: For 64-Bit private storage the address space MEMLIMIT was set to zero. Action: If you want to allocate 64-bit private virtual storage in this address space set the MEMLIMIT to something other than zero.
0	(0)	BITSTRING	0	IARVP64DRSNNOLARGEFRAMEAREA	"X'00002200" Meaning: For a IARV64 GETCOMMON PAGEFRAMESIZE=1MEG request there is no Large Frame Area on this system. Action: Reissue the request specifying PAGEFRAMESIZE=4k Or specifying PAGEFRAMESIZE=MAX on the GETCOMMON request such that your request will be backed by 4K page frames if you are running on a machine that does not have a Large Frame Area.
0	(0)	BITSTRING	0	IARV64RSNNOLARGEFRAMES	"X'00005D00" Meaning: For an IARV64 GETCOMMON PAGEFRAMESIZE=1MEG request there were no more large page frames to satisfy the request. Action: Reissue the request specifying PAGEFRAMESIZE=4k Or specifying PAGEFRAMESIZE=MAX on the GETCOMMON requests such that your request will be backed by 4K page frames.
Comment					
End of IARV64 Return and Reason Code definitions					
End of Comment					
0	(0)	BITSTRING	0	IARV64ABENDRSNCODEMASK	"X'00FFFF00" Use this mask to isolate the non component-diagnostic portion of the abend reason code.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
IARVP64 Abend Reason Code definitions					
					End of Comment
0	(0)	BITSTRING	0	IARV64ABENDRSNNOSEGSEXCEEDSMAX	"X'00001500" Meaning: The number of segments specified on an IARV64 GETCOMMON request exceeds the maximum number of segments allowed. Action: Ensure you request specifies a number of segments for GETCOMMON that does not exceed the maximum size of the HVCOMMON area.
0	(0)	BITSTRING	0	IARV64ABENDRSN64BITMEMLIMITEXHAUSTED	"X'00001600"
					Comment
Meaning: For 64-Bit private storage the address space MEMLIMIT was exceeded. Action: Either raise the MEMLIMIT of the address space or determine if private storage is being consumed excessively somewhere.					
					End of Comment
0	(0)	BITSTRING	0	IARV64ABENDRSN64BITCOMMONEXHAUSTED	"X'00001700"
					Comment
Meaning: Insufficient free space to satisfy the IARV64 request Action: For common storage, either raise the system limit on common (HVCOMMON) or determine if common storage is being consumed excessively somewhere.					
					End of Comment
0	(0)	BITSTRING	0	IARVP64ABENDRSNCALLERNOTAUTH	"X'00001900" Meaning: Caller is not authorized to perform the request. Action: Caller needs to be in supervisor state or key 0-7 for an IARV64 GETCOMMON request.
0	(0)	BITSTRING	0	IARV64ABENDRSN64BITMEMLIMITZERO	"X'00002100" Meaning: For 64-Bit private storage the address space MEMLIMIT was set to zero. Action: If you want to allocate 64-bit private virtual storage in this address space set the MEMLIMIT to something other than zero.
0	(0)	BITSTRING	0	IARVP64ABENDRSNNOLARGEFRAMEAREA	"X'00002200" Meaning: For a IARV64 GETCOMMON PAGEFRAMESIZE=1MEG request there is no Large Frame Area on this system. Action: Reissue the request specifying PAGEFRAMESIZE=4k Or specifying PAGEFRAMESIZE=MAX on the GETCOMMON request such that your request will be backed by 4K page frames if you are running on a machine that does not have a Large Frame Area.
0	(0)	BITSTRING	0	IARCP64ABENDRSNKEYSPECIFIEDNOTVALID	"X'00003700"
					Comment
Meaning: The parameter list passed to the IARV64 GETCOMMON service specified a KEY value that is not valid. Action: Change the value specified for the KEY parameter to be in the range of 1-7.					
					End of Comment
0	(0)	BITSTRING	0	IARV64ABENDRSNMOTKNNOTVALID	"X'00003800" Meaning: For a IARV64 GETCOMMON request the MOTKN provided is not a valid previously system generated token. Action: Ensure the MOTKN is valid and is one previously returned to you by a IARV64 GETCOMMON request.
0	(0)	BITSTRING	0	IARVP64ABENDRSNLARGEEDATNOTINSTALLED	"X'00005400" Meaning: For a IARV64 GETCOMMON PAGEFRAMESIZE=1MEG request the required eDAT Architecture Facility is not installed on this machine. Action: Reissue the request specifying PAGEFRAMESIZE=4k Or specifying PAGEFRAMESIZE=MAX on the GETCOMMON requests such that your request will be backed by 4K page frames if you are running on a machine that does not have the eDAT Architecture Facility installed.
0	(0)	BITSTRING	0	IARV64ABENDRSNZEROSEGSSPECIFIED	

IAXV64C Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	IARV64ABENDRSNNOLARGEFRAMES	"X'00005900" Meaning: The parameter list passed to the IARV64 GETCOMMON service specified zero segments on the SEGMENTS keyword. Action: Change the number of segments to be greater than zero.
					"X'00005D00" Meaning: For an IARV64 GETCOMMON PAGEFRAMESIZE=1MEG request there were no more large page frames to satisfy the request. Action: Reissue the request specifying PAGEFRAMESIZE=4k Or specifying PAGEFRAMESIZE=MAX on the GETCOMMON requests such that your request will be backed by 4K page frames.

IAXV64C Cross Reference

Name	Hex Offset	Hex Value
IARCP64ABENDRSNKEYSPECIFIEDNOTVALID	0	3700
IARVP64ABENDRSNCALLERNOTAUTH	0	1900
IARVP64ABENDRSNLARGEAGEEDATNOTINSTALLED	0	5400
IARVP64ABENDRSNNOLARGEFRAMEAREA	0	2200
IARVP64DRSNNOLARGEFRAMEAREA	0	2200
IARVP64RC_FAIL	0	8
IARV64ABENDRSNCODEMASK	0	FFFF00
IARV64ABENDRSNMOTKNNOTVALID	0	3800
IARV64ABENDRSNNOLARGEFRAMES	0	5D00
IARV64ABENDRSNNOSEGSEXCEEDSMAX	0	1500
IARV64ABENDRSNZEROSEGSSPECIFIED	0	5900
IARV64ABENDRSN64BITCOMMONEXHAUSTED	0	1700
IARV64ABENDRSN64BITMEMLIMITEXHAUSTED	0	1600
IARV64ABENDRSN64BITMEMLIMITZERO	0	2100
IARV64RC_OK	0	0
IARV64RC_WARN	0	4
IARV64RSNCODEMASK	0	FFFF00
IARV64RSNNOLARGEFRAMES	0	5D00
IARV64RSN64BITCOMMONEXHAUSTED	0	1700
IARV64RSN64BITMEMLIMITEXHAUSTED	0	1600
IARV64RSN64BITMEMLIMITZERO	0	2100

IAXV64WA Information

IAXV64WA Programming Interface information

Programming Interface information

IAXV64WA

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

- V64WACountData
- V64WADiagData
- V64WAENTRY
- V64WAHEADERPUBLIC

End of Programming Interface information

IAXV64WA Heading Information • IAXV64WA Map

IAXV64WA Heading Information

Common Name: IARV64 REQUEST=LIST work area
Macro ID: IAXV64WA
DSECT Name: V64AWorkArea
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Key: Caller-supplied
 Residency: Caller-Supplied
Size: Variable
 V64WAHEADER -- X'0028' bytes
 V64WAENTRY -- X'0014' bytes
 V64WADiagData- X'002C' bytes
 V64WACountData - x'0018' bytes
Created by: Caller
Pointed to by: IARV64 REQUEST=LIST parameter list
Serialization: None required
Function: The returned output consists of a header mapped by V64WAHEADER followed by entries mapped by V64WAENTRY. The number of entries is indicated by field V64WANUMDATAAREAS.

IAXV64WA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	V64WAHEADER	Work area header for the call to IARV64 Request=List
0	(0)	CHARACTER	32	V64WAHEADERPRIVATE	Internal work area
32	(20)	CHARACTER	8	V64WAHEADERPUBLIC	Public area
32	(20)	SIGNED	4	V64WARETURNCODE	Return code from IARV64 Request=list. See Equates beginning "V64WARC_"
36	(24)	SIGNED	4	V64WANUMDATAAREAS	Number of memory object storage range list entries that follow
36	(24)	X'28'	0	V64WAHEADER_LEN	**-.V64WAHEADER"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	V64WAENTRY	Map for each memory object range list entry
0	(0)	BITSTRING	1	V64WAFLAG	Memory object flag byte
		1111		V64WAKEY	"X'F0" Storage key for the memory object containing this range
		.... 1...		V64WAFPROT	"X'08" 1 = memory object is fetch-protected 0 = memory object is not fetch protected
		.... .1..		V64WASHARED	"X'04" 1 = memory object is a shared memory object 0 = non-shared (private) memory object
		.... ..1.		V64WANONDEFAULTGUARDAREA	"X'02" 1 = memory object has at least one guard area that is not the default
		.... ...1		V64WADEFAULTGUARDAREA	"X'01" 1 = memory object has a default guard area defined (guard area at beginning or end of the memory object based on GUARDLOC)
1	(1)	BITSTRING	1	V64WAFLAG1	Memory object flag byte
		1...		V64WASYSAFF	"X'80" 1 = the system affinity for this memory object is still attached
		.1..		V64WAGUARD	"X'40" 1 = the memory object is completely guarded
		..1.		V64WALARGE PAGE	"X'20" 1 = the memory object is backed by large page frame
		...1		V64WAUTOKENNOTMATCH	"X'10" Used for DUMPPROTOCOL only
		.... 1...		V64WACOMMON	"X'08" 1 = memory object is a 64bit common memory object 0 = Non-64BIT common memory object
		.... .1..		V64DIAGDATA	"X'04" 1 = Momb diagnostic data present 0 = Momb diagnostic data not present
2	(2)	BITSTRING	1		Reserved - must be zeroes
3	(3)	ADDRESS	1	V64WADUMPPRIORITY	Value from 1 to 99 inclusive
4	(4)	CHARACTER	8	V64WASTART64	Starting address of this storage range (Assumed to be on a segment boundary)
12	(C)	CHARACTER	8	V64WAEND64	End address of this storage range
12	(C)	X'14'	0	V64WAENTRY_LEN	**-.V64WAENTRY"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	V64WADIAGDATA	Map for MOMb diagnostic information
0	(0)	CHARACTER	8	V64WACREATETIME	Time memory object was created
8	(8)	CHARACTER	2	V64WACALLERASID	Asid of program that issued create req
10	(A)	CHARACTER	2	V64WACALLERHOMEASID	Home asid at create time
12	(C)	CHARACTER	2	V64WACALLERPRIMARYASID	Primary asid at create time
14	(E)	CHARACTER	2	V64WACALLEROWNERASID	Owner asid at create time
16	(10)	CHARACTER	4	V64WACALLER	Address of program that issued create
20	(14)	CHARACTER	8	V64WAJOBNAME	Owner Job name
28	(1C)	CHARACTER	8	V64WAJOBID	Owner Job ID
36	(24)	CHARACTER	4	V64WAUNOWNEDDATE	Date owner terminated 0YYYYDDD Julian date
40	(28)	CHARACTER	4	V64WAUNOWNEDTIME	Time owner terminated HHMMSSth
40	(28)	X'2C'	0	V64WADIAG_LEN	"*-V64WADiagData"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	V64WACOUNTDATA	Map for COUNTPAGES output area
0	(0)	DBL WORD	8	V64WAONAU	Number of 4K pages with a copy on AUX
8	(8)	DBL WORD	8	V64WAINREAL	Number of 4K pages with a copy in REAL
16	(10)	DBL WORD	8	V64WABOTH	Number of 4K pages with a copy in REAL and on AUX
16	(10)	X'18'	0	V64WACOUNT_LEN	"*-V64WACountData"
16	(10)	X'0'	0	V64WARC_OK	"0" Successful completion
16	(10)	X'2'	0	V64WARC_CHANGED	"2" Successful completion but structure changed
16	(10)	X'4'	0	V64WARC_PARTIAL	"4" Partially successful completion. More information remains to be returned in the work area
16	(10)	X'6'	0	V64WARC_PARTIALCHANGED	"6" Partially successful completion. More information remains to be returned in the work area. The structure has changed.
16	(10)	X'8'	0	V64WARC_NOTFOUND	"8" No memory object was found
16	(10)	X'10'	0	V64WARC_SUBSPACEMODE	"16" Request rejected. Request was issued in subspace mode.

IAXV64WA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
V64DIAGDATA	1	4	V64WADIAGDATA		
V64WABOTH	10		V64WADUMPPRIORITY	0	
V64WACALLER	10		V64WAEND64	C	
V64WACALLERASID			V64WAENTRY	0	
	8		V64WAENTRY_LEN	C	14
V64WACALLERHOMEASID			V64WAFLAG	0	
	A		V64WAFLAG1	1	
V64WACALLEROWNERASID			V64WAFPROT	0	8
	E		V64WAGUARD	1	40
V64WACALLERPRIMARYASID			V64WAHEADER	0	
	C		V64WAHEADER_LEN	24	28
V64WACOMMON	1	8	V64WAHEADERPRIVATE	0	
V64WACOUNT_LEN			V64WAHEADERPUBLIC	0	
V64WACOUNTDATA	10	18	V64WAHEADERPUBLIC	20	
	0		V64WAINREAL	8	
V64WACREATETIME			V64WAJOBID	1C	
	0		V64WAJOBNAME	14	
V64WADEFAULTGUARDAREA		1			
	0	1			
V64WADIAG_LEN					
	28	2C			

IAXV64WA Cross Reference

Name	Hex Offset	Hex Value
V64WAKEY	0	F0
V64WALARGEPAGE		
	1	20
V64WANONDEFAULTGUARDAREA		
	0	2
V64WANUMDATAAREAS		
	24	
V64WAONAUX	0	
V64WARC_CHANGED		
	10	2
V64WARC_NOTFOUND		
	10	8
V64WARC_OK	10	0
V64WARC_PARTIAL		
	10	4
V64WARC_PARTIALCHANGED		
	10	6
V64WARC_SUBSPACEMODE		
	10	10
V64WARETURNCODE		
	20	
V64WASHARED	0	4
V64WASTART64	4	
V64WASYSAFF	1	80
V64WAUNOWNEDDATE		
	24	
V64WAUNOWNEDTIME		
	28	
V64WAUTOKENNOTMATCH		
	1	10

IAZBTOKP Information

IAZBTOKP Programming Interface information

Programming Interface information

IAZBTOKP

End of Programming Interface information

IAZBTOKP Heading Information • IAZBTOKP Map

IAZBTOKP Heading Information

Common Name: JES spool data set browse token (common mapping)
Macro ID: IAZBTOKP
DSECT Name: IAZBTOKP or BTOK
Owning Component: JES Common (SC141)
Eye-Catcher ID: BTOK
 Offset: BTOKID-BTOK
 Length: L'BTOKID

Storage Attributes: Subpool: Caller
 Key: Any
 Residency: Virtual and real storage are anywhere.

Size: See BTOKSIZE

Created by: Caller of dynamic allocation
 Sysout API Put/Get SSI

Pointed to by: SSALBTKN in the dynamic allocation SSOB extension
 SSS2BTOK in the Sysout API SSOB extension

Serialization: None required

Function: This macro maps the spool data set browse token that is passed via a dynamic allocation text unit on spool data set browse allocation requests.

The information in this token is utilized by the job entry subsystem to allocate spool data sets in read only (browse) mode so they may be opened and read using standard MVS data management services for access to spool data.

The information is also used to link Sysout API control information to the data set being allocated. When used in this fashion, the IAZBTOKP area is constructed entirely by the Sysout API and a pointer to this area is passed back to the Sysout API PUT/GET function caller in the SSS2BTOK field.

IAZBTOKP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IAZBTOKP	
0	(0)	X'0'	0	BTOK	"IAZBTOKP" ALTERNATE DSECT NAME
0	(0)	BITSTRING	2	BTOKPL1	ID LENGTH
2	(2)	CHARACTER	4	BTOKID	ID FIELD
6	(6)	BITSTRING	2	BTOKPL2	VERSION LENGTH
8	(8)	BITSTRING	2	BTOKVER (0)	SERVICE VERSION NUMBER
8	(8)	BITSTRING	1	BTOKTYPE	Control block type
8	(8)	X'0'	0	BTOKBRWS	"0" Block created for browse
Comment					
EQU 1 Reserved - do not ever use					
End of Comment					
8	(8)	X'2'	0	BTOKSAPI	"2" Block created by Sysout API
8	(8)	X'3'	0	BTOKSTKN	"3" SPOOL data set or client token allocation
9	(9)	BITSTRING	1	BTOKVERS	Version
9	(9)	X'3'	0	BTOKVRNM	"3" Version OS/390 Release 10
10	(A)	BITSTRING	2	BTOKPL3	Spool token length
Comment					
BTOKIOTP points to one of the following data areas based on the value of BTOKTYPE: BTOKTYPE Contents of BTOKIOTP ----- BTOKBRWS SPOOL address of IOT containing PDDB for data set to be allocated (JES2) BTOKSAPI SAPI token (entire IAZBTOKP returned from SAPI SSI) BTOKSTKN SPOOL token. This can be either a client token (returned from dynamic allocation using key DALRTCTK) or a data set token (returned by SAPI in field SSS2DSTR)					
End of Comment					
12	(C)	BITSTRING	4	BTOKIOTP	IOT MTTR (or zero)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
12	(C)	X'C'	0	BTOXSAPT	"BTOKIOTP,L'BTOKIOTP,T'BTOKIOTP SAPI token @R10LSDB"
12	(C)	X'C'	0	BTOXSPLT	"BTOKIOTP,L'BTOKIOTP,T'BTOKIOTP Client/DS token @R10LSDB"
16	(10)	BITSTRING	2	BTOKPL4	JOB KEY LENGTH
18	(12)	BITSTRING	4	BTOKJKEY	JOB KEY IN HEX
22	(16)	BITSTRING	2	BTOKPL5	ASID LENGTH
24	(18)	BITSTRING	2	BTOKASID	ASID IN HEX
26	(1A)	BITSTRING	2	BTOKPL6	NETWORK RECEIVER USERID LENGTH
28	(1C)	CHARACTER	8	BTOKRCID	NETWORK RECEIVER USERID
36	(24)	BITSTRING	2	BTOKPL7	LOG STRING PARAMETER LENGTH
38	(26)	CHARACTER	255	BTOKLOGS (0)	LOG STRING PARAMETER
38	(26)	BITSTRING	1	BTOKLSDL	LOG STRING DATA LENGTH (0-254 BYTES)
39	(27)	CHARACTER	254	BTOKLSDA	LOG STRING DATA
39	(27)	X'125'	0	BTOKEND	*** END OF BTOK
39	(27)	X'125'	0	BTOKSIZE	**BTOK" SIZE OF BTOK

IAZBTOKP Cross Reference

Name	Hex Offset	Hex Value
BTOK	0	0
BTOKASID	18	
BTOKBRWS	8	0
BTOKEND	27	125
BTOKID	2	
BTOKIOTP	C	
BTOKJKEY	12	
BTOKLOGS	26	
BTOKLSDA	27	
BTOKLSDL	26	
BTOKPL1	0	
BTOKPL2	6	
BTOKPL3	A	
BTOKPL4	10	
BTOKPL5	16	
BTOKPL6	1A	
BTOKPL7	24	
BTOKRCID	1C	
BTOKSAPI	8	2
BTOKSAPT	C	C
BTOKSIZE	27	125
BTOKSPLT	C	C
BTOKSTKN	8	3
BTOKTYPE	8	
BTOKVER	8	
BTOKVERS	9	
BTOKVRNM	9	3
IAZBTOKP	0	

IAZCHK Information

IAZCHK Programming Interface information

Programming Interface information

IAZCHK

End of Programming Interface information

IAZCHK Heading Information • IAZCHK Cross Reference

IAZCHK Heading Information

Common Name: JES FSI checkpoint record area
Macro ID: IAZCHK
DSECT Name: IAZCHK or CHK
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'CHK '
 Offset: CHKID-CHK
 Length: L'CHKID
Storage Attributes: Subpool: Caller
 Key: Any
 Residency: Virtual and real storage are anywhere.
Size: See CHKLEN
Created by: Caller of FSIREQ service
Pointed to by: GDSCKPA field of the IAZFSIP data area when
 FSIREQ REQUEST=FSIGDS
 CHKADR field of the IAZFSIP data area when
 FSIREQ REQUEST=FSICKPT
Serialization: None required
Function: This macro maps the data area describing the dataset
 information needed to understand the progress being
 made on the dataset by the processing FSA when a
 significant point in logic was reached. This
 information is used if the processing needs to be
 restarted, for example, a printer is repositioned
 and needs to resume work on a piece of output.

IAZCHK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IAZCHK	
0	(0)	X'0'	0	CHK	"IAZCHK,0,C'J" Alternate DSECT name
0	(0)	CHARACTER	4	CHKID	CHKPT RECORD AREA ID
4	(4)	SIGNED	2	CHKLNGLTH	CHKPT LENGTH
6	(6)	SIGNED	2		RESERVED
8	(8)	CHARACTER	64	CHKJESWK	TO BE FILLED IN BY JES
72	(48)	CHARACTER	8	CHKRBA	JES EQUIVALENT OF A RBA
80	(50)	SIGNED	4	CHKDEV	DEVICE TYPE
84	(54)	SIGNED	4	CHKMOD	MODEL NUMBER
88	(58)	SIGNED	4	CHKCOPY	COPY COUNT
92	(5C)	SIGNED	4	CHKTRNC	TRANSMISSION COUNT
96	(60)	SIGNED	4	CHKREC	LOGICAL RECORD COUNT(FROM SPOOL)
100	(64)	SIGNED	4	CHKPAGE	PHYSICAL SHEET COUNT
104	(68)	CHARACTER	8	CHKPROD	PRODUCT THAT CREATED CKPT REC
112	(70)	SIGNED	4	CHKVER	VERSION OF PRODUCT
116	(74)	SIGNED	4	CHKRELS	RELEASE OF PRODUCT
120	(78)	SIGNED	4	CHKMODF	MODIFICATION LEVEL OF PRODUCT
124	(7C)	SIGNED	4	CHKSERV	SERVICE LEVEL OF PRODUCT
124	(7C)	X'80'	0	CHKLEN	"*-CHK"

IAZCHK Cross Reference

Name	Hex Offset	Hex Value
CHK	0	0
CHKCOPY	58	
CHKDEV	50	
CHKID	0	
CHKJESWK	8	
CHKLEN	7C	80
CHKLNGLTH	4	
CHKMOD	54	
CHKMODF	78	
CHKPAGE	64	
CHKPROD	68	
CHKRBA	48	
CHKREC	60	
CHKRELS	74	
CHKSERV	7C	
CHKTRNC	5C	
CHKVER	70	
IAZCHK	0	

IAZCMTCB Information

IAZCMTCB Heading Information

Common Name: IAZNJTCP Main task control block
Macro ID: IAZCMTCB
DSECT Name: MTCB
Owning Component: JES Common (SC141)
Eye-Catcher ID: MTCB
 Offset: 0
 Length: 6
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Any Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See MTCBLEN
Created by: IAZNJTCP address space initialization
Pointed to by: mtcbptr field of the IAZNJTCP local data area
Serialization: None required
Function: IAZCMTCB is the main task control block for NJETCP server address space.

IAZCMTCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MTCB	
0	(0)	CHARACTER	6	MTCB_ID	Eye catcher
0	(0)	X'1'	0	MTCB_VONE	"1" Version 1
0	(0)	X'1'	0	MTCB_CVER	"mtcb_vone" Current version
6	(6)	ADDRESS	1	MTCB_VERSION	Version of mapping
7	(7)	BITSTRING	1	MTCBFLG1	Flag byte 1
		1... ..		STOSHORT	"B'10000000" Storage shortage situation
		.1.		ACPTRTRY	"B'01000000" Retry the accept call
		..1.		SRVRINIT	"B'00100000" Server is initialized
		...1		DIAGMODE	"B'00010000" Server is in diag mode. All the sockets created for the server from this point will get tracing enabled by default
		.... 1..		FLSCKCHK	"B'00001000" Main task came out of wait to check for any failed sockets
		.... .1.		MFLG1RV2	"B'00000100" Reserved for IBM
		.... ..1		MFLG1RV3	"B'00000010" Reserved for IBM
		.... ...1		MFLG1RV4	"B'00000001" Reserved for IBM
8	(8)	CHARACTER	1	MTCB_SRVFAMILY	This field is filled when the server obtains an IPV6 or IPV4 socket. When server obtains a IPV6 socket, it means IPV6 is enabled on the local node's TCP/IP stack. This is used by IAZNJSTK's get_rmt_IPad() to make decisions on how to issue getaddrinfo() call to resolve IP name into IP addresses for outbound work
9	(9)	CHARACTER	1	MTCB_BNDFAMILY	The address family of the IP address that the server was able to successfully bind to. This field is used for obtaining a client id for the server main task
10	(A)	CHARACTER	255	MTCB_HOST_NAME	The name of the host processor that the program is running on
265	(109)	BITSTRING	1	MTCBFLG2	Flag byte two
Comment					
Values for field "mtcbflg2"					
End of Comment					
		1... ..		JESTRACE	"B'10000000" JES trace enabled
		.1.		INTTRACE	"B'01000000" Internal trace enabled
		..1.		VRBTRACE	"B'00100000" Verbose trace enabled
		...1		MFLG2RV1	"B'00010000" Reserved for IBM
		.... 1..		MFLG2RV2	"B'00001000" Reserved for IBM
		.... .1.		MFLG2RV3	"B'00000100" Reserved for IBM
		.... ..1		MFLG2RV4	"B'00000010" Reserved for IBM
		.... ...1		MFLG2RV5	"B'00000001" Reserved for IBM
268	(10C)	ADDRESS	4	MTCB_SOCKCHNH	Socket chain header
272	(110)	ADDRESS	4	MTCB_SOCKCHNT	Socket chain trailer
276	(114)	ADDRESS	4	MTCB_RESPTR	Pointer to a linked list of one or more addrinfo structures returned by getaddrinfo()
280	(118)	SIGNED	4	MTCB_SRVSOCK	Server socket for the NJETCP server
284	(11C)	SIGNED	4	MTCB_ACCEPT_ECB	

IAZCMTCB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
288	(120)	SIGNED	4	MTCB_STSK_INIT_ECB	ECB to be posted on BPX1AIO() call
292	(124)	SIGNED	4	MTCB_CLNSOCK_ECB	ECB to be posted when subtask inits
296	(128)	SIGNED	2	MTCB_SRPVPORT	This ecb is posted when the socket chain is to be cleaned up.
300	(12C)	SIGNED	4	MTCB_SOCK_COUNT	Server Port
304	(130)	SIGNED	4	MTCB_MAX_SOCKETS	Sockets count
		1...			Max socket number
304	(130)	X'134'	0	MTCBENDL	"B'10000000" End of ECBLIST indic.
				MTCBLEN	"*-MTCB" End of ECBLIST indic.

IAZCMTCB Cross Reference

Name	Hex Offset	Hex Value
ACPTRTRY	7	40
DIAGMODE	7	10
FLSCKCHK	7	8
INTTRACE	109	40
JESTRACE	109	80
MFLG1RV2	7	4
MFLG1RV3	7	2
MFLG1RV4	7	1
MFLG2RV1	109	10
MFLG2RV2	109	8
MFLG2RV3	109	4
MFLG2RV4	109	2
MFLG2RV5	109	1
MTCB	0	
MTCB_ACCEPT_ECB	11C	
MTCB_BNDFAMILY	9	
MTCB_CLNSOCK_ECB	124	
MTCB_CVER	0	1
MTCB_HOST_NAME	A	40404040
MTCB_ID	0	D4E3C3C2
MTCB_MAX_SOCKETS	130	
MTCB_RESPTR	114	
MTCB_SOCK_COUNT	12C	
MTCB_SOCKCHNH	10C	
MTCB_SOCKCHNT	110	
MTCB_SRVFAMILY	8	
MTCB_SRPVPORT	128	
MTCB_SRVSOCK	118	
MTCB_STSK_INIT_ECB	120	
MTCB_VERSION	6	
MTCB_VONE	0	1
MTCBENDL	130	80
MTCBFLG1	7	
MTCBFLG2	109	
MTCBLEN	130	134
SRVRINIT	7	20
STOSHORT	7	80
VRBTRACE	109	20

IAZCSOCK Information

IAZCSOCK Heading Information

Common Name: IAZ Socket chain element
Macro ID: IAZCSOCK
DSECT Name: SOCK
Owning Component: JES Common (SC141)
Eye-Catcher ID: INSOCK/OUTSOCK
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Any Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See SOCKLEN
Created by: IAZNJSTK initialization processing
Pointed to by: SOCK_CHN field of the IAZNJSTK local data area
Serialization: None required
Function: Socket chain structure representing a NETSRV socket.

IAZCSOCK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SOCK	
0	(0)	CHARACTER	8	SOCK_EYE	Eye catcher
8	(8)	ADDRESS	4	SOCK_NEXT	Ptr to NEXT element
12	(C)	ADDRESS	4	SOCK_PREV	Ptr to PREV element
16	(10)	ADDRESS	4	SOCK_MTCBP	Pointer to the IAZCMTCB data area
20	(14)	ADDRESS	4	SOCK_MTSTP	Pointer to the IAZCMTST data area for this connection
24	(18)	ADDRESS	4	SOCK_NRQP	Pointer to the dequeued NRQ
28	(1C)	ADDRESS	4	SOCK_NMSP	Pointer to the dequeued NMS
32	(20)	SIGNED	4	SOCK_BUFSZ	Negotiated buffer size for the socket
36	(24)	ADDRESS	4	SOCK_DBC_XMTR (8)	8 DBC ptrs for each of the 8 transmitters
68	(44)	ADDRESS	4	SOCK_DBC_RCVR (8)	8 DBC ptrs for each of the 8 receivers
100	(64)	CHARACTER	128	SOCK_XMTR_DBCST (8)	DBC status flags for transmitters
228	(E4)	CHARACTER	128	SOCK_RCVR_DBCST (8)	DBC status flags for receivers
356	(164)	CHARACTER	1	SOCK_ALLSTRM_DBCST (8)	DBC status flags for unassigned subdevices

Comment					

=====					
IMPORTANT					

TCPSBCT and TCPRBCT are fields defined in					
IAZCDEFS. If they are changed in IAZCDEFS, they					
have to be changed here.					

=====					
End of Comment					
356	(164)	X'8'	0	TCPSBCT	"8"
356	(164)	X'8'	0	TCPRBCT	"8"
484	(1E4)	ADDRESS	4	SOCK_XRB_SEND_PTRS (0)	

Comment					

Pointers to XRBSTR structures used to C					

End of Comment					
516	(204)	ADDRESS	4	SOCK_XRB_RECV_PTRS (0)	

IAZCSOCK Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Pointers to XRBSTR structures used to C					
End of Comment					
548	(224)	ADDRESS	4	SOCK_COMP_WAREA_PT	A pointer to the work buffer used by compression routine
552	(228)	ADDRESS	4	SOCK_DCMP_WAREA_PT	Pointer to the work buffer used by decompression routine
556	(22C)	ADDRESS	4	SOCK_SPLT_WAREA_PT	POINTER TO THE WORK buffer used by spltdrec routine
560	(230)	SIGNED	4	SOCK_TCP_RETCDCE	TCP/IP error code used by IAZNJTCP and IAZNJSTK
564	(234)	CHARACTER	1	SOCK_CURRCB	RCB of data for which a check would be made to see if there is any transmission buffer that is currently being filled up
565	(235)	CHARACTER	14	SOCK_JFCSMSK	FCS mask to be sent during transmitter sends
579	(243)	CHARACTER	14	SOCK_SFCSMSK	FCS MASK OF ALL THE receivers on the local node
593	(251)	CHARACTER	16	SOCK_SRVIPAD	128-BIT IP address of this server
609	(261)	CHARACTER	16	SOCK_RMTIPAD	128-BIT IP address of remote peer
625	(271)	CHARACTER	255	SOCK_RMT_HOSTNM	Host name of the remote peer
880	(370)	CHARACTER	8	SOCK_RMTNDNM	Node name of remote peer - populated from open record for inbound requests AND FROM IAZYTNRQ FOR OUTBOUND REQUESTS
888	(378)	SIGNED	2	SOCK_SRVPORT	Port number of this server
890	(37A)	SIGNED	2	SOCK_RMTPORT	Port number of the remote peer
892	(37C)	CHARACTER	40	SOCKNLDV (0)	
892	(37C)	SIGNED	4	_SOCKNJT	JTNUM (Outbound SYSIN STREAMS)
896	(380)	SIGNED	4	_SOCKNJR	JRNUM (Inbound SYSIN streams)
900	(384)	SIGNED	4	_SOCKNST	STNUM (Outbound SYSOUT streams)
904	(388)	SIGNED	4	_SOCKNSR	SRNUM (Inbound SYSOUT streams)
908	(38C)	CHARACTER	8	_XMTRMSK	RCB mask of the transmitters for the socket
916	(394)	CHARACTER	8	_RCVRMSK	RCB mask of the receivers for the socket
924	(39C)	CHARACTER	8	_ALLSTRMSK	RCB mask for all the possible streams for the socket
932	(3A4)	BITSTRING	1	SOCK_FLG1	FLAG BYTE ONE

Comment					
Values for field "SOCK_FLG1"					
End of Comment					
		1...		SOCK_F1_CONNECT_ISSUED	"B'10000000" connect() has been issued but connect() did not return
		.1.		SOCK_F1_CONNECTED	"B'01000000" Connect successful with remote peer
		..1.		SOCK_F1_DUP_CONNECT	"B'00100000" Duplicate socket chain element
		...1		SOCK_F1_RESERVED_10	"B'00010000" Reserved for IBM
		.... 1...		SOCK_F1_DUP_ERROR	"B'00001000" Duplicate already set
		.... .1..		SOCK_F1_DIAG_ACTIVE	"B'00000100" Socket is in diag mode - Tracing is active.
		.... ..1.		SOCK_F1_SEND_INIT	"B'00000010" Send initiated on socket
		.... ...1		SOCK_F1_RECV_INIT	"B'00000001" Recv initiated on socket
933	(3A5)	BITSTRING	1	SOCK_FLG2	Flag byte

Comment					
Values for field "SOCK_FLG2"					
End of Comment					
		1...		SOCK_F2_ALLWMRCB	"B'10000000" Multiple RCBs are allowed in the transmission buffer
		.1.		SOCK_F2_NJE_SIGNED_ON	"B'01000000" The socket has signed-on NJE wise
		..1.		SOCK_F2_JES_TRACE	"B'00100000" JES event and record trace active for conn.
		...1		SOCK_F2_INT_TRACE	"B'00010000" IAZ internal trace - trace data supplied to JES in IAZHTTRC format

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		SOCK_F2_VRB_TRACE	"B'00001000" Verbose trace -controls message verbosity
		.... .1..		SOCK_F2_RC_TO_SEND	"B'00000100" Indicate RC has to be sent on an unsupported stream
		.... ..1.		SOCK_F2_1ST_BUFFER_SENT	"B'00000010" Indicate the first buffer is sent on socket
		.... ...1		SOCK_F2_ALLWMHDRS	"B'00000001" NRQIPACK is set in "I" rcd to allow multiple NJE headers in a single buffer
934	(3A6)	BITSTRING 1...	1	SOCK_FLG3 SOCK_F3_STOP_CONN	Flag byte "B'10000000" Stop connection request Received for the connection
		.1..		SOCK_F3_NO_RIPI	"B'01000000" NCCIRIF set during NJE signon
		..1.		SOCK_F3_SP_SEND_INI	"B'00100000" Send initiated in special control record buffer
		...1		SOCK_F3_NO_XRB_SEND_AVAIL	"B'00010000" No XRB send buffers available
		.... 1...		SOCK_F3_RES_FLG3_08	"B'00001000" Reserved for IBM
		.... .1..		SOCK_F3_RES_FLG3_04	"B'00000100" Reserved for IBM
		.... ..1.		SOCK_F3_RES_FLG3_02	"B'00000010" Reserved for IBM
		.... ...1		SOCK_F3_RES_FLG3_01	"B'00000001" Reserved for IBM
935	(3A7)	CHARACTER	1	SOCK_FAMILY	DOMAIN NAME OF THE REMOTE PEER
936	(3A8)	SIGNED	4	SOCK_ID	Socket ID
936	(3A8)	X'3AC'	0	SOCKLEN	"*-SOCK"

Comment

DBCST structure (C structure is in IAZCMSTR)

End of Comment

IAZCSOCK Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
_ALLSTRMSK	39C		SOCK_F1_DUP_ERROR		
_RCVRMSK	394		SOCK_F1_RECV_INIT	3A4	8
_SOCKNJR	380		SOCK_F1_RESERVED_10	3A4	1
_SOCKNJT	37C		SOCK_F1_RESERVED_10	3A4	10
_SOCKNSR	388		SOCK_F1_SEND_INIT	3A4	2
_SOCKNST	384		SOCK_F2_ALLWMHDRS	3A5	1
_XMTRMSK	38C		SOCK_F2_ALLWMRCB	3A5	80
SOCK	0		SOCK_F2_INT_TRACE	3A5	10
SOCK_ALLSTRM_DBCST	164		SOCK_F2_JES_TRACE	3A5	20
SOCK_BUFSZ	20		SOCK_F2_NJE_SIGNED_ON	3A5	40
SOCK_COMP_WAREA_PT	224		SOCK_F2_RC_TO_SEND	3A5	4
SOCK_CURRCB	234		SOCK_F2_VRB_TRACE	3A5	8
SOCK_DBC_RCVR	44		SOCK_F2_1ST_BUFFER_SENT	3A5	2
SOCK_DBC_XMTR	24		SOCK_F3_NO_RIPI	3A6	40
SOCK_DCOMP_WAREA_PT	228		SOCK_F3_NO_XRB_SEND_AVAIL	3A6	10
SOCK_EYE	0		SOCK_F3_RES_FLG3_01	3A6	1
SOCK_FAMILY	3A7		SOCK_F3_RES_FLG3_02	3A6	2
SOCK_FLG1	3A4		SOCK_F3_RES_FLG3_04		
SOCK_FLG2	3A5				
SOCK_FLG3	3A6				
SOCK_F1_CONNECT_ISSUED	3A4	80			
SOCK_F1_CONNECTED	3A4	40			
SOCK_F1_DIAG_ACTIVE	3A4	4			
SOCK_F1_DUP_CONNECT	3A4	20			

IAZCSOCK Cross Reference

Name	Hex Offset	Hex Value
	3A6	4
SOCK_F3_RES_FLG3_08		
	3A6	8
SOCK_F3_SP_SEND_INI		
	3A6	20
SOCK_F3_STOP_CONN		
	3A6	80
SOCK_ID	3A8	
SOCK_JFCMSK	235	
SOCK_MTCBP	10	
SOCK_MTSTP	14	
SOCK_NEXT	8	
SOCK_NMSP	1C	
SOCK_NRQP	18	
SOCK_PREV	C	
SOCK_RCVR_DBCST		
	E4	
SOCK_RMT_HOSTNM		
	271	
SOCK_RMTIPAD	261	
SOCK_RMTNDNM	370	
SOCK_RMTPORT	37A	
SOCK_SFCMSK	243	
SOCK_SPLT_WAREA_PT		
	22C	
SOCK_SRVIPAD	251	
SOCK_SRVPORT	378	
SOCK_TCP_RETCDE		
	230	
SOCK_XMTR_DBCST		
	64	
SOCK_XRB_RECV_PTRS		
	204	
SOCK_XRB_SEND_PTRS		
	1E4	
SOCKLEN	3A8	3AC
SOCKNLDV	37C	
TCPRBCT	164	8
TCPSBCT	164	8

IAZCTKN Information

IAZCTKN Programming Interface information

_____ Programming Interface information _____

IAZCTKN

ONLY the following field is part of the programming interface information:

- CTKNSORT

_____ End of Programming Interface information _____

IAZCTKN Heading Information • IAZCTKN Cross Reference

IAZCTKN Heading Information

Common Name: Allocation Client Token
Macro ID: IAZCTKN
DSECT Name: CTOKEN
Owning Component: JES Common (SC141)
Eye-Catcher ID: None
Storage Attributes: Subpool: any
 Key: Key of SSI caller
 Residency: Any
Size: See CTKNSIZE equate
Created by: JES2 and JES3
Pointed to by: The DALRTCTK text unit provided by the SVC 99 caller
Serialization: None required
Function: Defines the client token used for allocations originated by a server on behalf of a client and used later by the server to interface with JES.

IAZCTKN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CTOKEN	
Comment					
All fields except for CTKNJESD are common between JES2 and JES3.					
End of Comment					
0	(0)	SIGNED	1	CTKNJESI	Identifies which JES built the CTOKEN
0	(0)	X'2'	0	CTKNJES2	"2" Identifier for JES2
0	(0)	X'3'	0	CTKNJES3	"3" Identifier for JES3
1	(1)	SIGNED	1	CTKNPLVL	Product level of CTOKEN creator
2	(2)	SIGNED	1	CTKNSLVL	Service level of CTOKEN creator
3	(3)	BITSTRING	1		Reserved alignment byte
4	(4)	SIGNED	4	CTKNSORT	Sort key
8	(8)	SIGNED	4	(0)	Full word alignment
8	(8)	BITSTRING	8	CTKNBMAP	Bit map for supported bytes in the JES dependent area
16	(10)	CHARACTER	64	CTKNJESD	JES dependent section
16	(10)	X'50'	0	CTOKEND	"" End of CTOKEN
16	(10)	X'50'	0	CTKNSIZE	"CTOKEND-CTOKEN" Size of CTOKEN

IAZCTKN Cross Reference

Name	Hex Offset	Hex Value
CTKNBMAP	8	
CTKNJESD	10	
CTKNJESI	0	
CTKNJES2	0	2
CTKNJES3	0	3
CTKNPLVL	1	
CTKNSIZE	10	50
CTKNSLVL	2	
CTKNSORT	4	
CTOKEN	0	
CTOKEND	10	50

IAZCVDEV Information

IAZCVDEV Programming Interface information

Programming Interface information

IAZCVDEV

End of Programming Interface information

IAZCVDEV Heading Information • IAZCVDEV Map

IAZCVDEV Heading Information

Common Name: JES2 Parameter List for Device Name
Macro ID: IAZCVDEV
DSECT Name: CVDEV
Owning Component: JES Common (SC141)
Eye-Catcher ID: CVDV
 Offset: CVDVSSID
 Length: L'CVDVSSID
Storage Attributes: Subpool: caller
 Key: Any
 Residency: Virtual = any real = any
Size: See CVDVSZE
Created by: caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSJIUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by authorized programs to request the device name conversion from binary to EBCDIC.

IAZCVDEV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CVDEV	
0	(0)	CHARACTER	4	CVDVSSID	I.Eye catcher
4	(4)	ADDRESS	2	CVDVLEN	I.Length of CVDEV parameter list
6	(6)	SIGNED	2	CVDEVVRN	I.Parm list version number
6	(6)	X'1'	0	CVDVVER1	"1" Service version number of IAZCVDEV
6	(6)	X'1'	0	CVDVVER#	"1" Current version number
8	(8)	SIGNED	2	CVDVVERO	O.Subsystem version number
10	(A)	SIGNED	2		Reserved

Comment

Device Name Input and Output Section
 If the device type is not known, the CVDVNAME field will be set to "UNKNOWN"

End of Comment

12	(C)	BITSTRING	4		Reserved for future use
16	(10)	BITSTRING	1		A filler byte to preserve alignment
17	(11)	BITSTRING	3	CVDVID	I.Device ID in binary
20	(14)	BITSTRING	4		Reserved for future use
24	(18)	CHARACTER	18	CVDVNAME	O.Converted name in EBCDIC
42	(2A)	BITSTRING	14		Reserved for future use
42	(2A)	X'38'	0	CVDVSZE	**_CVDEV" Size of CVDEV

Comment

CVDEV reason code
 The reason code is placed in SSJIRETN
 Values of SSJIRETN when SSOBRETN is zero for function (value of SSJIFREQ) SSJICVDV.

End of Comment

42	(2A)	X'0'	0	CVDVOK	"0" Success
42	(2A)	X'4'	0	CVDVERR	"4" *** NOT USED ***
42	(2A)	X'8'	0	CVDVILG	"8" Eye catcher is not initialized correctly

IAZCVDEV Cross Reference

Name	Hex Offset	Hex Value
CVDEV	0	
CVDEVVRN	6	
CVDVERR	2A	4
CVDVID	11	
CVDVILG	2A	8
CVDVLEN	4	
CVDVNAME	18	
CVDVOK	2A	0
CVDVSSID	0	
CVDVSZE	2A	38
CVDVVER#	6	1
CVDVVERO	8	
CVDVVER1	6	1

IAZDSINF Information

IAZDSINF Programming Interface information

Programming Interface information

IAZDSINF

End of Programming Interface information

IAZDSINF Heading Information • IAZDSINF Map

IAZDSINF Heading Information

Common Name: Data Set Information mapping
Macro ID: IAZDSINF
DSECT Name: DSINF
Owning Component: JES Common (SC141)
Eye-Catcher ID: DSIF
 Offset: 0
 Length: 4
Storage Attributes: Subpool: caller
 Key: Any
 Residency: Any
Size: See DSINSIZE equate
Created by: Caller of JES access method GET service
Pointed to by: RPLERMSA in the IFGRPL mapping macro
Serialization: None required
Function: This DSECT maps the information returned on the JES access method GET interface. The caller provides the address of the area in RPLERMSA and the length of the area in RPLEMLEN. JES will then fill in this area on a successful GET (RC=0).

 In order for JES to set the output area, the caller must set the eyecatcher in the first 4 bytes of the area passed.

IAZDSINF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DSINF	
0	(0)	CHARACTER	4	DSINEYE	Eyecatcher (set by caller)
4	(4)	SIGNED	2	DSINLEN	Length of area filled in
6	(6)	BITSTRING	1	DSINVER	Version of data
6	(6)	X'1'	0	DSINVER1	"1" Version 1 of IAZDSINF
6	(6)	X'1'	0	DSINVERC	"DSINVER1" Current version of data
7	(7)	BITSTRING	1	DSINFLG1	Flag bytes
		1...		DSIN1TRC	"B'10000000" Returned area truncated
		.1..		DSIN1RSK	"B'01000000" Records skipped due to I/O error on GET
		..1.		DSIN1ERR	"B'00100000" Current record is error message text
		...1		DSIN1WAR	"B'00010000" Current record is warning message text
		.... 1...		DSIN1JEC	"B'00001000" Start or continuation of a JECL statement
8	(8)	SIGNED	8	DSINRECN	Record number of returned record within current data set
16	(10)	SIGNED	8	DSINLGLR	Record number of returned record within logical data set
24	(18)	DBL WORD	8	DSINSTKE	Time stamp of record PUT if available (STKE format)
32	(20)	SIGNED	4	DSINDSNU	JES data set number where record was read from
36	(24)	SIGNED	4	DSINJBNO	JES binary job number of owning job
40	(28)	CHARACTER	8	DSINJBID	JES job id of owning job

Comment

Next instream dataset number to be assigned by JES. It starts with 1 and is bumped by 1 after each in-stream dataset is encountered in the job stream.

End of Comment

48	(30)	SIGNED	4	DSINNINS	Next instream dataset nr
52	(34)	SIGNED	4		Reserved
52	(34)	X'38'	0	DSINSIZ1	"*-DSINF" Version 1 size of area
52	(34)	X'38'	0	DSINSIZE	"*-DSINF" Size of area

IAZDSINF Cross Reference

Name	Hex Offset	Hex Value
DSINDSNU	20	
DSINEYE	0	C4E2C9D5
DSINF	0	
DSINFLG1	7	
DSINJBID	28	
DSINJBNO	24	
DSINLEN	4	
DSINLGLR	10	
DSINNINS	30	
DSINRECN	8	
DSINSIZE	34	38
DSINSIZ1	34	38
DSINSTKE	18	
DSINVER	6	
DSINVERC	6	1
DSINVER1	6	1
DSIN1ERR	7	20
DSIN1JEC	7	8
DSIN1RSK	7	40
DSIN1TRC	7	80
DSIN1WAR	7	10

IAZENF58 Information

IAZENF58 Programming Interface information

Programming Interface information

IAZENF58

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

- ENF58_DEVICE_JESDATA
- ENF58_EXT_SIZE
- ENF58_EXT_SIZE1
- ENF58_EXT_SIZE2
- ENF58_MAXSIZE
- ENF58_SIZE1
- ENF58_SIZE2
- ENF58_SIZE3
- ENF58_SIZE4
- ENF58_SIZE5

End of Programming Interface information

IAZENF58 Heading Information • IAZENF58 Map

IAZENF58 Heading Information

Common Name: ENF58 Parameter List
Macro ID: IAZENF58
DSECT Name: ENF58
Owning Component: JES Common (SC141)
Eye-Catcher ID: ENF58
 Offset: ENF58_ID-ENF58
 Length: L'ENF58_ID
Storage Attributes: Subpool: 241
 Key: Key 1
 Residency: Any
Size: Variable depending on the type of ENF58 being issued. See ENF58_LENGTH for the run-time length of the entire ENF. An ENF58 contains an extension at offset ENF58_EXT_DW_OFF from the start of the ENF. The size of the extension is contained in field ENF58_EXT_LENGTH.
Created by: The Job Entry Subsystem issuing the ENF 58 signal
Pointed to by: The ENFREQ parameter list
Serialization: None required
Function: Maps the ENF 58 parameter list received by ENF listen exits.

IAZENF58 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF58	ENF58 mapping
0	(0)	CHARACTER	6	ENF58_ID	Eye catcher 'ENF58 '
6	(6)	BITSTRING	1	ENF58_VERSION	Version of mapping
6	(6)	X'1'	0	ENF58_VONE	"1" Version 1
6	(6)	X'2'	0	ENF58_VTWO	"2" Version 2
6	(6)	X'3'	0	ENF58_VTHREE	"3" Version 3
6	(6)	X'4'	0	ENF58_VFOUR	"4" Version 4
6	(6)	X'5'	0	ENF58_VFIVE	"5" Version 5
6	(6)	X'5'	0	ENF58_CVER	"ENF58_VFIVE" Current version
7	(7)	BITSTRING	1	ENF58_EXT_DW_OFF	Offset to fixed extension (in doublewords) or 0
8	(8)	SIGNED	4	ENF58_LENGTH	Length of parameter list
12	(C)	BITSTRING	1	ENF58_QUALIFIER	Qualifier code - defined below
12	(C)	X'1'	0	ENF58_Q_PURGE	"1" Data Set was purged
12	(C)	X'2'	0	ENF58_Q_SELECT	"2" Data Set was selected

Comment

A data set has been "processed" by JES2 if a \$#DISPRO is issued to update the data set disposition.
 A data set has been "processed" by JES3 if the data set is complete.

End of Comment

12	(C)	X'3'	0	ENF58_Q_DESELECT_PROCESSED	"3" Data set was processed
12	(C)	X'4'	0	ENF58_Q_DESELECT_NOT_PROCESSED	"4" Data set is no longer selected, disposition was not updated
12	(C)	X'5'	0	ENF58_Q_DESELECT_NOT_PROCESSED_HELD	"5" Data set is no longer selected, disposition was not updated and data set is held
12	(C)	X'6'	0	ENF58_Q_DESELECT_ERROR	"6" An error resulting in a system level hold occurred
12	(C)	X'7'	0	ENF58_Q_EOD_OK	"7" End of data set notification occurred - successful
12	(C)	X'8'	0	ENF58_Q_EOD_ERROR	"8" End of data set notification occurred - unsuccessful
12	(C)	X'9'	0	ENF58_Q_JOB_CHANGE	"9" Job-status change occurred
12	(C)	X'A'	0	ENF58_Q_TOKEN_CHANGE	"10" Client token has changed
12	(C)	X'B'	0	ENF58_Q_CHECKPOINT	"11" Checkpoint taken

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	X'C'	0	ENF58_Q_UPDATEJOE	"12" JOE1CKV update (JES2 internal use only)
12	(C)	X'D'	0	ENF58_Q_INSTANCE	"13" Additional instance of data set created
12	(C)	X'E'	0	ENF58_Q_GRP_SELECT	"14" Data set group select
12	(C)	X'F'	0	ENF58_Q_GRP_DESELECT	"15" Data set group deselect
13	(D)	BITSTRING	1	ENF58_SYS_HOLD	System hold reason - refer to IAZOHLDD for possible values
14	(E)	CHARACTER	8	ENF58_JES_NAME	JES2 Member Name / JES3 MAIN name where this signal originated

Comment

ENF58_REASON can contain a variety of different information depending on the ENF type being issued.
ENF 58 type Information in ENF58_REASON

ENF58_Q_SELECT Device/process name that selected the data set.

ENF58_Q_DESELECT_PROCESSED Either process name that processed the data set or hex zeros.

ENF58_Q_DESELECT_NOT_PROCESSED Either process name that deselected the data set or hex zeros.

ENF58_Q_DESELECT_ERROR If ENF58_SYS_HOLD indicates that a RELDS Unprintable error occurred, RDSMIDSE from the IAZFSIP RELDS parameter list. Otherwise, either process name that kept the data set in system level hold or hex zeros

ENF58_Q_JOB_CHANGE Status change that occurred for the job (eg. PURGED)

ENF58_Q_GRP_SELECT Device name that selected the data set group.

End of Comment

22	(16)	CHARACTER	18	ENF58_REASON	Reason text
40	(28)	DBL WORD	8	(0)	Establish alignment
40	(28)	BITSTRING	80	ENF58_CTOKEN	Data Set Client Token
40	(28)	X'78'	0	ENF58_SIZE1	**-ENF58" Small Version of ENF58 ends here
120	(78)	BITSTRING	80	ENF58_NEW_CTOKEN	New client token that should replace the Ctoken for a TOKEN_CHANGE ENF type, or be added for a INSTANCE request.
120	(78)	X'C8'	0	ENF58_SIZE2	**-ENF58" ENF58 for TOKEN_CHANGE ends here
120	(78)	SIGNED	4	ENF58_COPY	Checkpointed copy count
124	(7C)	SIGNED	4	ENF58_RECORD	Checkpointed current record
128	(80)	SIGNED	4	ENF58_PAGE	Checkpointed current page
132	(84)	BITSTRING	4		Reserved
136	(88)	DBL WORD	8	(0)	Establish alignment
136	(88)	X'88'	0	ENF58_SIZE3	**-ENF58" ENF58 for checkpoints ends here

Comment

Used only if ENF58_Q_UPDATEJOE

End of Comment

120	(78)	SIGNED	4	ENF58_JOEINDEX	Offset of work JOE
124	(7C)	BITSTRING	4		Reserved
128	(80)	DBL WORD	8	(0)	Establish alignment
128	(80)	X'80'	0	ENF58_SIZE4	**-ENF58" ENF58 for JOE Update ends here

Comment

Used only if ENF58_Q_GRP_SELECT

End of Comment

120	(78)	SIGNED	4	ENF58_TOT_PAGE	Total page count
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IAZENF58 Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
124	(7C)	SIGNED	4	ENF58_TOT_RECORD	Total record count
128	(80)	CHARACTER	8	ENF58_JOB_NAME	Job name of selected job
136	(88)	BITSTRING	8	ENF58_GS_JESDATA	JES-specific data
136	(88)	X'90'	0	ENF58_SIZE5	**-.ENF58" ENF58 for JOE Select ends here
200	(C8)	X'C8'	0	ENF58_MAXSIZE	**-.ENF58" Largest base ENF58 parm lst

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF58_EXT	ENF58 fixed extension
0	(0)	CHARACTER	6	ENF58_EXT_EYE	Eyecatcher
6	(6)	SIGNED	2	ENF58_EXT_LENGTH	Length of fixed extension
8	(8)	BITSTRING	8	ENF58_JESPLEX_ID	Unique JESPLEX token
16	(10)	CHARACTER	10	ENF58_DEVICE	Related device name if any
26	(1A)	BITSTRING	30	ENF58_DEVICE_JESDATA	JES-related device information
56	(38)	DBL WORD	8	(0)	
56	(38)	X'38'	0	ENF58_EXT_SIZE1	**-.ENF58_EXT" Size of fixed extension version 1
56	(38)	CHARACTER	64	ENF58_JOB_CORR	Job correlator
56	(38)	X'78'	0	ENF58_EXT_SIZE2	**-.ENF58_EXT" Size of fixed extension version 2
120	(78)	DBL WORD	8	(0)	Establish alignment
120	(78)	X'78'	0	ENF58_EXT_SIZE	**-.ENF58_EXT" Size of fixed extension

IAZENF58 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ENF58	0		ENF58_MAXSIZE	C8	C8
ENF58_COPY	78		ENF58_NEW_CTOKEN	78	
ENF58_CTOKEN	28		ENF58_PAGE	80	
ENF58_CVER	6	5	ENF58_Q_CHECKPOINT	C	B
ENF58_DEVICE	10		ENF58_Q_DESELECT_ERROR	C	6
ENF58_DEVICE_JESDATA	1A		ENF58_Q_DESELECT_NOT_PROCESSED	C	4
ENF58_EXT	0		ENF58_Q_DESELECT_NOT_PROCESSED_HELD	C	5
ENF58_EXT_DW_OFF	7		ENF58_Q_DESELECT_PROCESSED	C	3
ENF58_EXT_EYE	0	C5D5C6F5	ENF58_Q_EOD_ERROR	C	8
ENF58_EXT_LENGTH	6		ENF58_Q_EOD_OK	C	7
ENF58_EXT_SIZE	78	78	ENF58_Q_GRP_DESELECT	C	F
ENF58_EXT_SIZE1	38	38	ENF58_Q_GRP_SELECT	C	E
ENF58_EXT_SIZE2	38	78	ENF58_Q_INSTANCE	C	D
ENF58_GS_JESDATA	88		ENF58_Q_JOB_CHANGE	C	9
ENF58_ID	0		ENF58_Q_PURGE	C	1
ENF58_JES_NAME	E		ENF58_Q_SELECT	C	2
ENF58_JESPLEX_ID	8		ENF58_Q_TOKEN_CHANGE	C	A
ENF58_JOB_CORR	38		ENF58_Q_UPDATEJOE		
ENF58_JOB_NAME	80				
ENF58_JOEINDEX	78				
ENF58_LENGTH	8				

Name	Hex Offset	Hex Value
	C	C
ENF58_QUALIFIER		
	C	
ENF58_REASON	16	
ENF58_RECORD	7C	
ENF58_SIZE1	28	78
ENF58_SIZE2	78	C8
ENF58_SIZE3	88	88
ENF58_SIZE4	80	80
ENF58_SIZE5	88	90
ENF58_SYS_HOLD		
	D	
ENF58_TOT_PAGE		
	78	
ENF58_TOT_RECORD		
	7C	
ENF58_VERSION		
	6	
ENF58_VFIVE	6	5
ENF58_VFOUR	6	4
ENF58_VONE	6	1
ENF58_VTHREE	6	3
ENF58_VTWO	6	2

IAZENF70 Information

IAZENF70 Programming Interface information

Programming Interface information

IAZENF70

End of Programming Interface information

IAZENF70 Heading Information • IAZENF70 Map

IAZENF70 Heading Information

Common Name: ENF70 Parameter List
Macro ID: IAZENF70
DSECT Name: ENF70
Owning Component: JES Common (SC141)
Eye-Catcher ID: ENF70
 Offset: ENF70_ID-ENF70
 Length: L'ENF70_ID
Storage Attributes: Subpool: 241
 Key: Key 1
 Residency: Any
Size: Variable depending on the type of ENF70 being issued. See ENF70_LENGTH for the run-time length.
Created by: The Job Entry Subsystem issuing the ENF 70 signal
Pointed to by: The ENFREQ parameter list
Serialization: None required
Function: Maps the ENF 70 parameter list received by ENF listen exits.

IAZENF70 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF70	ENF70 mapping
0	(0)	CHARACTER	6	ENF70_ID	Eye catcher 'ENF70 '
6	(6)	BITSTRING	1	ENF70_VERSION	Version of mapping
6	(6)	X'1'	0	ENF70_VONE	"1" Version 1
6	(6)	X'2'	0	ENF70_VTWO	"2" Version 2
6	(6)	X'2'	0	ENF70_CVER	"ENF70_VTWO" Current version
7	(7)	BITSTRING	1		Reserved
8	(8)	SIGNED	4	ENF70_LENGTH	Total length of ENF70 data
12	(C)	SIGNED	2	ENF70_FIXED_LENGTH	Length of fixed section
14	(E)	BITSTRING	1	ENF70_QUALIFIER	Qualifier code - defined below
14	(E)	X'1'	0	ENF70_SELECT	"1" Job was selected
14	(E)	X'2'	0	ENF70_DESELECT	"2" Job was processed
14	(E)	X'3'	0	ENF70_CHANGE	"3" Job queued to new phase of processing
14	(E)	X'4'	0	ENF70_PURGE	"4" Job was purged
15	(F)	BITSTRING	3		Reserved
18	(12)	CHARACTER	8	ENF70_JES_NAME	JES2 Member Name / JES3 MAIN name where this signal originated
26	(1A)	BITSTRING	8	ENF70_JESPLEX_ID	Unique JESPLEX identifier
34	(22)	CHARACTER	8	ENF70_JOBNAME	Job name
42	(2A)	CHARACTER	8	ENF70_JOBID	Job ID
50	(32)	CHARACTER	8	ENF70_ORG_JOBID	Original Job ID
58	(3A)	CHARACTER	8	ENF70_ORG_NODE	Origin Node
66	(42)	CHARACTER	8	ENF70_JOBCLASS	Job Class
74	(4A)	CHARACTER	8	ENF70_SRVCLASS	Service class
82	(52)	BITSTRING	2		Reserved
84	(54)	SIGNED	4	ENF70_RDR_DATE	Reader on date
88	(58)	SIGNED	4	ENF70_RDR_TIME	Reader on time
92	(5C)	BITSTRING	4	ENF70_MAXCC	Job completion code
92	(5C)	BITSTRING	1	ENF70_COMP	Job completion indicator
		1... ..		ENF70_CAB	"X'80" ABEND CODE
		.1..		ENF70_CCC	"X'40" Completion code
		..1.		ENF70_CREQ	"X'20" JOBRC completion code set
92	(5C)	X'0'	0	ENF70_CUNK	"0" No completion info
92	(5C)	X'1'	0	ENF70_CNRM	"1" Job ended normally
92	(5C)	X'2'	0	ENF70_CECC	"2" Job ended by cc
92	(5C)	X'3'	0	ENF70_CJCL	"3" Job had a JCL error
92	(5C)	X'4'	0	ENF70_CCAN	"4" Job was canceled
92	(5C)	X'5'	0	ENF70_CABN	"5" Job ABENDED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
92	(5C)	X'6'	0	ENF70_CCAB	"6" Converter ABENDEd
92	(5C)	X'7'	0	ENF70_CSEC	"7" Security error
92	(5C)	X'8'	0	ENF70_CEOM	"8" Job ABENDEd in end of memory processing
92	(5C)	X'9'	0	ENF70_CCNV	"9" Converter error
92	(5C)	X'A'	0	ENF70_CSYS	"10" System failure
93	(5D)	BITSTRING	3	ENF70_CODE	Completion code (if applicable), or ABEND codes (system code in first 12 bits, user code in last 12 bits).
96	(60)	BITSTRING	1	ENF70_QUEUE	Current phase job is queued for
Comment					

JES3 Phases					

End of Comment					
96	(60)	X'0'	0	ENF70_Q_NONE	"0" No previous queue (job create)
96	(60)	X'2'	0	ENF70_Q_CONVERT	"2" Conversion
96	(60)	X'3'	0	ENF70_Q_PSCBAT	"3" Postscan (batch)
96	(60)	X'4'	0	ENF70_Q_PSCDSL	"4" Postscan (demand select)
96	(60)	X'5'	0	ENF70_Q_FETCH	"5" Volume fetch
96	(60)	X'6'	0	ENF70_Q_VOLWT	"6" Start Setup
96	(60)	X'7'	0	ENF70_Q_SYSSSEL	"7" MDS system select processing
96	(60)	X'8'	0	ENF70_Q_ALLOC	"8" resource allocation
96	(60)	X'9'	0	ENF70_Q_VOLUAV	"9" unavailable VOL(s)
96	(60)	X'A'	0	ENF70_Q_VERIFY	"10" volume mounts
96	(60)	X'B'	0	ENF70_Q_SYSVER	"11" MDS system verify processing
96	(60)	X'C'	0	ENF70_Q_ERROR	"12" Demand Select
96	(60)	X'D'	0	ENF70_Q_SELECT	"13" Execution
96	(60)	X'E'	0	ENF70_Q_ONMAIN	"14" Execution
96	(60)	X'11'	0	ENF70_Q_BRKDOWN	"17" Breakdown
96	(60)	X'12'	0	ENF70_Q_RESTRT	"18" MDS restart proc
96	(60)	X'13'	0	ENF70_Q_DONE	"19" Main and MDS proc. complete
96	(60)	X'14'	0	ENF70_Q_OUTPUT	"20" Output service
96	(60)	X'15'	0	ENF70_Q_OUTQUE	"21" Output service WTR
96	(60)	X'16'	0	ENF70_Q_OSWAIT	"22" Awaiting rsvd services
96	(60)	X'17'	0	ENF70_Q_CMPLT	"23" Output service complete
96	(60)	X'18'	0	ENF70_Q_DEMSEL	"24" Demand Select
96	(60)	X'19'	0	ENF70_Q_EFWAIT	"25" Ending function rq waiting or i/o completion
96	(60)	X'1A'	0	ENF70_Q_EFBAD	"26" Ending function rq not Processed
96	(60)	X'80'	0	ENF70_Q_INPUT	"128" Input queue (pre-execution)
96	(60)	X'86'	0	ENF70_Q_PURGE	"134" Purge queue
96	(60)	X'88'	0	ENF70_Q_RECEIVER	"136" Input queue (post-execution)
96	(60)	X'89'	0	ENF70_Q_XMIT	"137" NJE transmission queue

IAZENF70 Map

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

JES2 Phases - phases common to both JES2 and JES3 are listed above and commented below.					

Q_INPUT EQU 128 Input queue (pre-execution)					
Q_RECEIVER EQU 136 Input queue (post-execution)					
Q_CONVERT EQU 2 Conversion queue					
Q_VOLWT EQU 6 Setup queue					
Q_ONMAIN EQU 14 Execution queue					
End of Comment					
96	(60)	X'84'	0	ENF70_Q_SPIN	"132" Spin queue
Comment					

Q_BRKDOWN EQU 17 Output queue					
Q_OUTPUT EQU 20 Hardcopy queue					
Q_PURGE EQU 134 Purge queue					
Q_XMIT EQU 137 NJE transmission queue					
End of Comment					
97	(61)	BITSTRING	5		Reserved
102	(66)	CHARACTER	16	ENF70_JESDATA	JES-specific data for job
118	(76)	BITSTRING	2		Reserved
118	(76)	X'78'	0	ENF70_SIZE1	"*-ENF70" ENF70 for version one ends here
120	(78)	CHARACTER	64	ENF70_JOB_CORR	Job correlator
120	(78)	X'B8'	0	ENF70_SIZE2	"*-ENF70" ENF70 for Job correlator ends here
184	(B8)	DBL WORD	8	(0)	Establish alignment
184	(B8)	X'B8'	0	ENF70_FIXED_SIZE	"*-ENF70" Size of ENF70 fixed section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ENF70_VEXT	ENF70 variable data extension
0	(0)	CHARACTER	6	ENF70_VEXT_EYE	Eyecatcher
6	(6)	SIGNED	2	ENF70_VEXT_LENGTH	Length of variable extension
8	(8)	DBL WORD	8	ENF70_REQDATA (0)	Beginning of variable data
8	(8)	X'8'	0	ENF70_VEXT_SIZE0	"*-ENF70_VEXT"
Comment					

REQUEST=Q_SELECT or Q_DESELECT					
End of Comment					
8	(8)	CHARACTER	10	ENF70_DEVICE	Device name
18	(12)	BITSTRING	1	ENF70_DEVICE_TYPE	Device class
18	(12)	X'1'	0	ENF70_DTYPE_DEV	"1" Standard device
18	(12)	X'2'	0	ENF70_DTYPE_JINIT	"2" JES Initiator
18	(12)	X'3'	0	ENF70_DTYPE_WINIT	"3" WLM Initiator
18	(12)	X'4'	0	ENF70_DTYPE_PHASE	"4" Select for current phase
19	(13)	BITSTRING	1	ENF70_DESEL_FLG1	Indicator flags
		1...		ENF70_DESEL_REQUE	"B'10000000" Job to be requeued for execution
		.1..		ENF70_DESEL_EJSTEP	"B'01000000" Requeued due to restart step

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
20	(14)	BITSTRING	4	ENF70_DEV_DATA	JES-specific device data
24	(18)	DBL WORD	8	(0)	
24	(18)	X'18'	0	ENF70_VEXT_SIZE1	**_ENF70_VEXT"
Comment					
REQUEST=Q_CHANGE					
End of Comment					
8	(8)	BITSTRING	1	ENF70_OLD_QUEUE	Phase job moved from
9	(9)	CHARACTER	8	ENF70_OLD_JCLASS	Previous job class
17	(11)	CHARACTER	8	ENF70_OLD_SCLASS	Previous service class
32	(20)	DBL WORD	8	(0)	
32	(20)	X'20'	0	ENF70_VEXT_SIZE2	**_ENF70_VEXT"
32	(20)	DBL WORD	8	(0)	
32	(20)	X'20'	0	ENF70_VEXT_MAXSIZE	**_ENF70_VEXT" Largest size for ENF 70 variable extension

IAZENF70 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ENF70	0		ENF70_JES_NAME	12	
ENF70_CAB	5C	80	ENF70_JESDATA	66	
ENF70_CABN	5C	5	ENF70_JESPLEX_ID	1A	
ENF70_CCAB	5C	6	ENF70_JOB_CORR	78	
ENF70_CCAN	5C	4	ENF70_JOBCLASS	42	
ENF70_CCC	5C	40	ENF70_JOBID	2A	
ENF70_CCNV	5C	9	ENF70_JOBNAME	22	
ENF70_CECC	5C	2	ENF70_LENGTH	8	
ENF70_CEOM	5C	8	ENF70_MAXCC	5C	
ENF70_CHANGE	E	3	ENF70_OLD_JCLASS	9	
ENF70_CJCL	5C	3	ENF70_OLD_QUEUE	8	
ENF70_CNRM	5C	1	ENF70_OLD_SCLASS	11	
ENF70_CODE	5D		ENF70_ORG_JOBID	32	
ENF70_COMP	5C		ENF70_ORG_NODE	3A	
ENF70_CREQ	5C	20	ENF70_PURGE	E	4
ENF70_CSEC	5C	7	ENF70_Q_ALLOC	60	8
ENF70_CSYS	5C	A	ENF70_Q_BRKDOWN	60	11
ENF70_CUNK	5C	0	ENF70_Q_CMPLT	60	17
ENF70_CVER	6	2	ENF70_Q_CONVERT	60	2
ENF70_DESEL_EJSTEP	13	40	ENF70_Q_DEMSEL	60	18
ENF70_DESEL_FLG1	13		ENF70_Q_DONE	60	13
ENF70_DESEL_REQUE	13	80	ENF70_Q_EFBAD	60	1A
ENF70_DESELECT	E	2	ENF70_Q_EFWAIT	60	19
ENF70_DEV_DATA	14		ENF70_Q_ERROR	60	C
ENF70_DEVICE	8		ENF70_Q_FETCH	60	5
ENF70_DEVICE_TYPE	12				
ENF70_DTYPE_DEV	12	1			
ENF70_DTYPE_JINIT	12	2			
ENF70_DTYPE_PHASE	12	4			
ENF70_DTYPE_WINIT	12	3			
ENF70_FIXED_LENGTH	C				
ENF70_FIXED_SIZE	B8	B8			
ENF70_ID	0				

IAZENF70 Cross Reference

Name	Hex Offset	Hex Value
ENF70_Q_INPUT	60	80
ENF70_Q_NONE	60	0
ENF70_Q_ONMAIN	60	E
ENF70_Q_OSWAIT	60	16
ENF70_Q_OUTPUT	60	14
ENF70_Q_OUTQUE	60	15
ENF70_Q_PSCBAT	60	3
ENF70_Q_PSCDSL	60	4
ENF70_Q_PURGE	60	86
ENF70_Q_RECEIVER	60	88
ENF70_Q_RESTRT	60	12
ENF70_Q_SELECT	60	D
ENF70_Q_SPIN	60	84
ENF70_Q_SYSSSEL	60	7
ENF70_Q_SYSVER	60	B
ENF70_Q_VERIFY	60	A
ENF70_Q_VOLUAV	60	9
ENF70_Q_VOLWT	60	6
ENF70_Q_XMIT	60	89
ENF70_QUALIFIER	E	
ENF70_QUEUE	60	
ENF70_RDR_DATE	54	
ENF70_RDR_TIME	58	
ENF70_REQDATA	8	
ENF70_SELECT	E	1
ENF70_SIZE1	76	78
ENF70_SIZE2	78	B8
ENF70_SRVCLASS	4A	
ENF70_VERSION	6	
ENF70_VEXT	0	
ENF70_VEXT_EYE	0	C5D5C6F7
ENF70_VEXT_LENGTH	6	
ENF70_VEXT_MAXSIZE	20	20
ENF70_VEXT_SIZE0	8	8
ENF70_VEXT_SIZE1	18	18
ENF70_VEXT_SIZE2	20	20
ENF70_VONE	6	1
ENF70_VTWO	6	2

IAZJBCLD Information

IAZJBCLD Programming Interface information

Programming Interface information

IAZJBCLD

End of Programming Interface information

IAZJBCLD Heading Information • IAZJBCLD Map

IAZJBCLD Heading Information

Common Name: JES2 Job Class Data Parameter List
Macro ID: IAZJBCLD
DSECT Name: JBCLD
Owning Component: JES Common (SC141)
Eye-Catcher ID: JBCL
 Offset: JBCLSSID
 Length: L'JBCLSSID
Storage Attributes: Subpool: caller
 Key: 1, caller must be in key 1
 Residency: Virtual = any real = any
Size: See JBCLSIZE
Created by: caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSJIUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by authorized programs to request Job Class Data from the JES2 subsystem.

IAZJBCLD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCLD	
0	(0)	CHARACTER	4	JBCLSSID	I.Eye catcher
4	(4)	ADDRESS	2	JBCLLEN	I.Length of JBCLD parameter list
6	(6)	SIGNED	2	JBCLSVRN	I.Parm list version number
6	(6)	X'1'	0	JBCLSVR1	"1" Service version number of IAZJBCLD - original
6	(6)	X'2'	0	JBCLSVR2	"2" Service version number of IAZJBCLD - OW38962
6	(6)	X'3'	0	JBCLSVR3	"3" Service version number of IAZJBCLD - z/OS 1.2
6	(6)	X'4'	0	JBCLSVR4	"4" Service version number of IAZJBCLD - z/OS 1.8
6	(6)	X'4'	0	JBCLSVR#	"4" Service version number of IAZJBCLD - Latest Version JBCLSVRN MUST BE SET TO JBCLSVR#
8	(8)	SIGNED	2	JBCLVERO	O.Subsystem version number
10	(A)	SIGNED	2		Reserved
10	(A)	X'C'	0	JBCLUSER	***

Comment

JBCLSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystem.

End of Comment

12	(C)	ADDRESS	4	JBCLSTRP	Storage management anchor
16	(10)	BITSTRING 1...	1	JBCLFLAG JBCL1JOB	IS.Flag byte "B'10000000" Return a particular job class indicated by JBCLJNAM
17	(11)	BITSTRING	1		Reserved for future use
18	(12)	CHARACTER	1	JBCLSMCL	O.STC message class
19	(13)	CHARACTER	1	JBCLTMCL	O.TSU message class
20	(14)	CHARACTER	8	JBCLJNAM	IS.Single job class to be returned
28	(1C)	SIGNED	4	(20)	Reserved for future use
108	(6C)	SIGNED	4	JBCLDPTR	O.Pointer to first job class data buffer
112	(70)	SIGNED	4	JBCLNJC	O.Number of job classes returned
116	(74)	SIGNED	4	(15)	Reserved for future use
116	(74)	X'BO'	0	JBCLSIZE1	**_JBCLD" Fixed parmameter end: version 1
116	(74)	X'BO'	0	JBCLSIZE	**_JBCLD" JBCLD Current version fixed parameter length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCLSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	JBCLSTID	Full eyecatcher
8	(8)	ADDRESS	2	JBCLSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	JBCLSTSP	Subpool of area
12	(C)	X'E6'	0	JBCLSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	JBCLSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	JBCLSTNX	Pointer to next area
20	(14)	ADDRESS	4	JBCLSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	JBCLSTBG (0)	Start of data area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCLDHDR	, Job class section header
0	(0)	CHARACTER	4	JBCTEYE	Eye catcher
4	(4)	ADDRESS	2	JBCTOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	JBCTNEXT	Address of next CAT
12	(C)	ADDRESS	4		Reserved for future use
16	(10)	ADDRESS	4		Reserved for future use
16	(10)	X'14'	0	JBCLDHSZ	**JBCLDHDR" Size of header

Comment

Section identifiers

End of Comment

....	....	JBCLTCAT	"X'00" Main JOBCLASS info section
....	...1	JBCLTMEM	"X'01" Member/system info section

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCTPREF	, Prefix section
0	(0)	ADDRESS	2	JBCTHDLN	Length of entire jobclass entry (Max value is 65535)
2	(2)	ADDRESS	1	JBCTHOTP	Type of this header
3	(3)	ADDRESS	1	JBCTHDMD	Modifier
3	(3)	X'4'	0	JBCTHDSZ	**JBCTPREF" Size of prefix section

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCLDCAT	, Job Class Data
0	(0)	ADDRESS	2	JBCTLEN	Length of Job Class section
2	(2)	ADDRESS	1	JBCTTYPE	Type of this header
3	(3)	ADDRESS	1	JBCTMOD	Modifier
4	(4)	BITSTRING	1	JBCJOBFL	Job flags
		1...		JBCBATCH	"B'10000000" Batch job
		.1.		JBCTSUJB	"B'01000000" Time sharing user
		..1.		JBCSTCJB	"B'00100000" System task
4	(4)	X'E0'	0	JBCVALJB	"JBCBATCH+JBCTSUJB+JBCSTCJB" valid types
		...1		JBCNOJNL	"B'00010000" No journal option
		.... 1...		JBCNOUPT	"B'00001000" No output option
		.... ..1.		JBCTSCAN	"B'00000100" TYPRUN=SCAN was specified
		.... ..1.		JBCTCOPY	"B'00000010" TYPRUN=COPY was specified
		.... ...1		JBCRSTRT	"B'00000001" Allow warmstart to re-queue to XEQ
5	(5)	BITSTRING	1	JBCJBOPT	Job options flag

Comment

EQU B'11000110' Reserved

End of Comment

..1.		JBCTHOLD	"B'00100000" TYPRUN=HOLD		
...1		JBCNOLOG	"B'00010000" NO job log option		
.... 1...		JBCXBMI	"B'00001000" XBM II job		
.... ...1		JBCQHLD	"B'00000001" Class queue is held		
6	(6)	CHARACTER	2	JBCPROCN	Procedure library number
8	(8)	BITSTRING	1	JBCSMFLG	SMF flag

Comment

EQU B'11011000' Reserved

End of Comment

..1.		JBCNOUSO	"B'00100000" Do not take IEFUSO exit		
.... ..1.		JBCNOTY6	"B'00000100" Do not produce Type 6 SMF record		
.... ..1.		JBCNOUJP	"B'00000010" Do not take IEFUJP exit		
.... ...1		JBCNOT26	"B'00000001" Do not produce Type 26 SMF record		
9	(9)	CHARACTER	3	JBCPERFM	Default performance group
12	(C)	SIGNED	4	JBCCPBG (0)	
12	(C)	BITSTRING	1	JBCCACCT	Accounting info required
		.... ....		JBCCNONE	"B'00000000" No info is required
		.... ...1		JBCCNONE	"B'00000001" Programmer required

IAZJBCLD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1.		JBCCNMB	"B'0000010" Account number required
12	(C)	X'3'	0	JBCCALL	"JBCCNAME+JBCCNUMB" Pgm and number required
		.... .1..		JBCCSWAL	"B'00000100" SWA above 16M line
13	(D)	CHARACTER	2		Reserved
15	(F)	CHARACTER	8	JBCCTIME (0)	DFLT job step intl time
15	(F)	CHARACTER	6	JBCCMNT	Maximum minutes
21	(15)	CHARACTER	2	JBCCSECS	Maximum seconds
23	(17)	CHARACTER	5	JBCCREGN (0)	Default job step region
23	(17)	CHARACTER	4	JBCCRGN	Numeric specification
27	(1B)	CHARACTER	1	JBCCRGA	Kilbytes or megabytes spec.
28	(1C)	CHARACTER	1	JBCCMND	Command disposition
28	(1C)	X'F0'	0	JBCCEXEC	"C'0" Pass the command through
28	(1C)	X'F1'	0	JBCDSDPL	"C'1" Display and then pass cmdnd
28	(1C)	X'F2'	0	JBCCVER	"C'2" Ask operator disposition
28	(1C)	X'F3'	0	JBCCIGN	"C'3" Ignore the command
29	(1D)	CHARACTER	1	JBCCBLP	Bypass label processing option
		.... .1..		JBCCBLPY	"B'00000001" Process bypass label parm
30	(1E)	CHARACTER	1	JBCCOCG	Operator command group
		.... .1..		JBCCGSYS	"B'00000100" Group 1 commands (SYS)
		.... .1..		JBCCGIO	"B'00000010" Group 2 commands (I/O)
		.... .1..		JBCCGCON	"B'00000001" Group 3 commands (CONS)
30	(1E)	X'7'	0	JBCCGALL	"JBCCGSYS+JBCCGIO+JBCCGCON" All groups
31	(1F)	CHARACTER	3		Reserved command group
34	(22)	CHARACTER	1	JBCCLJCL	Default MSGLEVEL, JCL listed if not MSGLEVEL
35	(23)	CHARACTER	1	JBCCTMSG	Allocation termination msg
35	(23)	X'C'	0	JBCCONVP	"JBCCPBGN,*-JBCCPBGN" Full converter parameters
36	(24)	BITSTRING	8		Reserved for potential expansion of IEFNPRM
44	(2C)	BITSTRING	1	JBCOPSWT	Converter option switches
45	(2D)	BITSTRING	1	JBCFLAG1	Normal OUTDISP for JESDS
		1.. .1..		JBC1CDP	"B'10000000" Conditionally purge output for jobs in this class
		.... .1..		JBC1NODP	"B'00010000" NORMAL OUTDISP=PURGE
		.... .1..		JBC1NODW	"B'00001000" NORMAL OUTDISP=WRITE
		.... .1..		JBC1NODH	"B'00000100" NORMAL OUTDISP=HOLD
		.... .1..		JBC1NODK	"B'00000010" NORMAL OUTDISP=KEEP
		.... .1..		JBC1NODL	"B'00000001" NORMAL OUTDISP=LEAVE
46	(2E)	BITSTRING	1	JBCFLAG2	Abnormal OUTDISP for JESDS
		.... .1..		JBC2AODP	"B'00010000" ABNORMAL OUTDISP=PURGE
		.... .1..		JBC2AODW	"B'00001000" ABNORMAL OUTDISP=WRITE
		.... .1..		JBC2AODH	"B'00000100" ABNORMAL OUTDISP=HOLD
		.... .1..		JBC2AODK	"B'00000010" ABNORMAL OUTDISP=KEEP
		.... .1..		JBC2AODL	"B'00000001" ABNORMAL OUTDISP=LEAVE
47	(2F)	BITSTRING	1	JBCFLAG3	Processing flags
		1.. .1..		JBC3WLM	"B'10000000" WLM managed class
		.... .1..		JBC3SPEC	"B'01000000" Special class (STC/TSU)
		.... .1..		JBC3PSEU	"B'00100000" Pseudo-class (Only class name and counts valid)
		.... .1..		JBC3SINV	"B'00000100" Default SCHENV (CATSCHED) no longer defined
		.... .1..		JBC3DUOK	"B'00000010" Duplicate job names OK this job class
48	(30)	CHARACTER	8	JBCXBM	PROCNAME FOR XBM/2 JOB
56	(38)	CHARACTER	8	JBCCLASS	Job class
64	(40)	SIGNED	4	JBCMAXJ	Max executing jobs in this class in the JESplex
68	(44)	SIGNED	4	JBCCURJ	Current executing jobs in this class in the JESplex
72	(48)	SIGNED	4	JBCQSIZE	Jobs eligible for execution (including executing jobs)
76	(4C)	SIGNED	4	JBCHLDT	Jobs held in class (not including executing jobs)
76	(4C)	X'50'	0	JBCTSZ1	"*-JBCLDCAT" Version 1 job class length
80	(50)	CHARACTER	16	JBCDSCH	Default SCHENV, JOB classes only
96	(60)	CHARACTER	1	JBCDMCLS	Default msgclass, TSU and STC classes only
96	(60)	X'61'	0	JBCTSZ2	"*-JBCLDCAT" Version 2 job class length
97	(61)	BITSTRING	6	JBCJLOG	JESLOG control information
97	(61)	BITSTRING	1	JBCJLFLG	Flags
		1.. .1..		JBLELIG	"B'10000000" Spin eligible
		.... .1..		JBTLTIMI	"B'01000000" Spin on time interval
		.... .1..		JBTLTIMD	"B'00100000" Spin on time of day
		.... .1..		JBLLINE	"B'00010000" Spin upon line delta
		.... .1..		JBLSUP	"B'00001000" Suppress
		.... .1..		JBILNOSP	"B'00000100" No Spin
98	(62)	SIGNED	1	JBJSOURC	Source of JESLOG info
98	(62)	X'0'	0	JBSEXIT	"0" JESLOG from Exit
98	(62)	X'1'	0	JBJSJCL	"1" JESLOG from JCL
98	(62)	X'2'	0	JBJS CAT	"2" JESLOG from CAT
98	(62)	X'3'	0	JBJSRR	"3" JESLOG from IEFSSRR
99	(63)	SIGNED	4	JBCJLVAL	Spin value
103	(67)	BITSTRING	9	JBCDRESV	Reserved
112	(70)	DBL WORD	8	(0)	
112	(70)	X'70'	0	JBCTSZ3	"*-JBCLDCAT" Version 3 job class length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
112	(70)	X'70'	0	JBCTSIZE4	""-JBCLDCAT" Version 4 job class length
112	(70)	X'70'	0	JBCTSIZE	""-JBCLDCAT" Job Class data length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCLMEMD	, Job Class Member data
0	(0)	ADDRESS	2	JBCMLEN	Length of Job Class section
2	(2)	ADDRESS	1	JBCMTYPE	Type of this header
3	(3)	ADDRESS	1	JBCMMOD	Modifier
4	(4)	ADDRESS	2	JBCMFRST	1st member section off
6	(6)	ADDRESS	2	JBCMMCNT	Count of member entries
8	(8)	ADDRESS	2	JBCMMLEN	Length of a member entry
10	(A)	ADDRESS	2	JBCM1ST	Reserved
12	(C)	SIGNED	4	JBCM1ST (0)	
12	(C)	X'C'	0	JBCMSIZE	""-JBCLMEMD" Fixed section length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JBCLMEME	, Job Class Member data
0	(0)	CHARACTER	4	JBCMNAME	JES2 member name
4	(4)	CHARACTER	8	JBCMSYS	MVS system name
12	(C)	BITSTRING	1	JBCMFLG1	Member flags
		1... ..		JBCM1JBA	"B'10000000" Jobclass active on member
		.1.		JBCM1ACT	"B'01000000" Member is active
		..1.		JBCM1PXQ	"B'00100000" \$PXEQ issued on member
		...1		JBCM1PJS	"B'00010000" Member is draining (\$P)
13	(D)	BITSTRING	3		Reserved
16	(10)	SIGNED	4	JBCMJMAX	Maximum jobs active
20	(14)	SIGNED	4	JBCMJACT	Current jobs active
20	(14)	X'18'	0	JBCMESIZ	""-JBCLMEME" Member entry length

IAZJBCLD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JBCBATCH	4	80	JBCFLAG1	2D	
JBCCACCT	C		JBCFLAG2	2E	
JBCCALL	C	3	JBCFLAG3	2F	
JBCCBLP	1D		JBCHLDCT	4C	
JBCCBLPY	1D	1	JBCJBOPT	5	
JBCCDSPL	1C	F1	JBCJFLG	61	
JBCCEXEC	1C	F0	JBCJLOG	61	
JBCCGALL	1E	7	JBCJLVAL	63	
JBCCGCON	1E	1	JBCJOBFL	4	
JBCCGIO	1E	2	JBCLD	0	
JBCCGSYS	1E	4	JBCLDCAT	0	
JBCCIGN	1C	F3	JBCLDHDR	0	
JBCCLASS	38		JBCLDHSZ	10	14
JBCCLJCL	22		JBCLDPTR	6C	
JBCCMND	1C		JBCLFLAG	10	
JBCCMNT	F		JBCLJNAM	14	
JBCCNAME	C	1	JBCLLEN	4	
JBCCNONE	C	0	JBCLMEMD	0	
JBCCNUMB	C	2	JBCLMEME	0	
JBCCOCG	1E		JBCLNJC	70	
JBCCONVP	23	C	JBCLSMCL	12	
JBCCPBGN	C		JBCLSSID	0	
JBCCREGN	17		JBCLSTBG	18	
JBCCRGA	1B		JBCLSTCP	14	
JBCCRGN	17		JBCLSTHL	8	
JBCCSECS	15		JBCLSTID	0	D1C2C3D3
JBCCSWAL	C	4	JBCLSTNX	10	
JBCCTIME	F		JBCLSTOR	0	
JBCCTMSG	23		JBCLSTPL	C	E6
JBCCURJ	44		JBCLSTRP	C	
JBCCVER	1C	F2	JBCLSTSP	C	
JBCDMCLS	60		JBCLSTTL	D	
JBCDRESV	67		JBCLSVR#	6	4
JBCDSCHE	50		JBCLSVRN	6	

IAZJBCLD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JBCLSVR1	6	1	JBC1NODW	2D	8
JBCLSVR2	6	2	JBC2AODH	2E	4
JBCLSVR3	6	3	JBC2AODK	2E	2
JBCLSVR4	6	4	JBC2AODL	2E	1
JBCLSIZE	74	B0	JBC2AODP	2E	10
JBCLSIZE1	74	B0	JBC2AODW	2E	8
JBCLTCAT	10	0	JBC3DUOK	2F	2
JBCLTMCL	13		JBC3PSEU	2F	20
JBCLTMEM	10	1	JBC3SINV	2F	4
JBCLUSER	A	C	JBC3SPEC	2F	40
JBCLVERO	8		JBC3WLM	2F	80
JBCL1JOB	10	80	JBJLELIG	61	80
JBCMAXJ	40		JBJLLINE	61	10
JBCMESIZ	14	18	JBJLNOSP	61	4
JBCMFLG1	C		JBJLSUP	61	8
JBCMFRST	4		JBJLTIMD	61	20
JBCMJACT	14		JBJLTIMI	61	40
JBCMJMAX	10		JBJS CAT	62	2
JBCMLEN	0	0	JBJS EXIT	62	0
JBCMMCNT	6		JBJS JCL	62	1
JBCMMLEN	8		JBJSOURC	62	
JBCMMOD	3		JBJSRR	62	3
JBCMNAME	0				
JBCMSIZE	C	C			
JBCMSYS	4				
JBCMTYPE	2				
JBCM1ACT	C	40			
JBCM1JBA	C	80			
JBCM1PJS	C	10			
JBCM1PXQ	C	20			
JBCM1ST	C				
JBCNOJNL	4	10			
JBCNOLOG	5	10			
JBCNOTY6	8	4			
JBCNOT26	8	1			
JBCNOUJP	8	2			
JBCNOUPT	4	8			
JBCNOUSO	8	20			
JBCOPSWT	2C				
JBCPERFM	9				
JBCPROCN	6				
JBCQHELD	5	1			
JBCQSIZE	48				
JBCRSTRT	4	1			
JBCSMFLG	8				
JBCSTCJB	4	20			
JBCTCOPY	4	2			
JBCTEYE	0	C4C3C1E3			
JBCTHDLN	0				
JBCTHDMD	3				
JBCTHDSZ	3	4			
JBCTHDTP	2				
JBCTHOLD	5	20			
JBCTLEN	0	70			
JBCTMOD	3				
JBCTNEXT	8				
JBCTOHDR	4	14			
JBCTPREF	0				
JBCTSCAN	4	4			
JBCTSIZE	70	70			
JBCTSIZ1	4C	50			
JBCTSIZ2	60	61			
JBCTSIZ3	70	70			
JBCTSIZ4	70	70			
JBCTSUJB	4	40			
JBCTTYPE	2				
JBCVALJB	4	E0			
JBCXBM	30				
JBCXBMI	5	8			
JBC1CDP	2D	80			
JBC1NODH	2D	4			
JBC1NODK	2D	2			
JBC1NODL	2D	1			
JBC1NODP	2D	10			

IAZJPCLS Information

IAZJPCLS Programming Interface information

Programming Interface information

IAZJPCLS

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

- CLMGENSZ
- CLMHDSZ
- CLM3FSZ
- CLM3MLSZ
- CLSGENSZ
- CLSHDSZ
- CLS2FSZ
- CLS3FSZ
- CLS3TLSZ
- JPCLSTBG
- JPCLSTCP
- JPCLSTHL
- JPCLSTID
- JPCLSTNX
- JPCLSTOR
- JPCLSTPL
- JPCLSTRP
- JPCLSTSP
- JPCLSTTL
- JPCLUSER

End of Programming Interface information

IAZJPCLS Heading Information • IAZJPCLS Map

IAZJPCLS Heading Information

Common Name: JES Class Information Parameter List for JES Properties SSI 82
Macro ID: IAZJPCLS
DSECT Name: JPCLS
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'JPCLASSD'
 Offset: JPCLID
 Length: L'JPCLID
Storage Attributes: Subpool: Parameter List = Subpool of Caller Output Data = Subpool 230
 Key: Parameter List = Key of Caller Output Data = Key 1
 Residency: Virtual = 31 bit private storage Real = 64 bit storage
Size: See JPCLSZE
Created by: Caller of SSI function 'SSOBSSJP' = 82
Pointed to by: SSJPUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by programs to request Class Data from the JES subsystem.

IAZJPCLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPCLS	,
0	(0)	CHARACTER	8	JPCLID	I.Eye catcher
8	(8)	ADDRESS	2	JPCLLEN	I.Length of JPCLS parameter list

Comment

There are two 2 byte versions for this SSOB extension. JPCLVER is the version provided by the caller. They indicate the level of the control block passed to the service. As new input fields are added to the service, the caller provided version indicates what the service is to consider valid.
 JPCLVERO is the version information returned from the service. This implies what fields the service actually examined and what data is returned. If the service is at a level higher than the level of the caller, JPCLVERO may be higher than JPCLVER. In this case, only the fields valid at the JPCLVER level are actually examined or set.
 The 2 bytes of version information is a 1 byte level number (changed only when a new release adds significant function) and a 1 byte modifier (changed only when function is added via service).

End of Comment					
10	(A)	SIGNED	2	JPCLVER (0)	I.Parm list version/modifier
10	(A)	ADDRESS	1	JPCLVERL	I.Parm list version level
11	(B)	ADDRESS	1	JPCLVERM	I.Parm list version modifier
11	(B)	BITSTRING	0	JPCLV010	"X'0100" Initial version number of IAZJPCLS
11	(B)	BITSTRING	0	JPCLVER#	"X'0100" Service version number of IAZJPCLS - Latest Version
11	(B)	X'1'	0	JPCLCVRL	"1" Current version level
11	(B)	X'0'	0	JPCLCVRM	"0" Current version modifier
12	(C)	SIGNED	2	JPCLVERO	O.Subsystem version/modifier
14	(E)	BITSTRING	2		Reserved
16	(10)	SIGNED	4	JPCLUSER (0)	Placeholder. Do not use.

Comment

JPCLSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystem.

End of Comment					
16	(10)	ADDRESS	4	JPCLSTRP	Storage management anchor. Points to a chain of JPCLSTOR structures.

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

Begin input-only fields.					

End of Comment					
20	(14)	BITSTRING	1	JPCLFLG1	IS.Flag byte
		1...		JPCL1CLS	"B'10000000" Return data for class name (see JPCLCNAM)
		.1...		JPCL1GRP	"B'01000000" Return data for job class group name (see JPCLGNAM)
21	(15)	BITSTRING	3		Reserved for future use

Comment					

NOTE: Each filter below is enabled via one of the bit settings above.					

End of Comment					
24	(18)	CHARACTER	8	JPCLCNAM	IS*.Class name for filter
32	(20)	CHARACTER	8	JPCLGNAM	IS*.Class group name as a filter
40	(28)	SIGNED	4	(18)	Reserved for future use

Comment					

Begin output-only fields.					

End of Comment					
112	(70)	ADDRESS	4	JPCLDPTR	O.Pointer to first Class (CLSHDR) data buffer. See output data discussion below for layout.
116	(74)	SIGNED	4	JPCLNCLS	O.Number of Class (CLSHDR) data buffers returned.
120	(78)	SIGNED	4	(20)	Reserved for future use
120	(78)	X'C8'	0	JPCLSIZE1	**_JPCLS" Fixed parameter end: Ver 1
120	(78)	X'C8'	0	JPCLSIZE	**_JPCLS" JPCLS Current version fixed parameter length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPCLSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	JPCLSTID	Eyecatcher
8	(8)	ADDRESS	2	JPCLSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	JPCLSTSP	Subpool of area
12	(C)	X'E6'	0	JPCLSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	JPCLSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	JPCLSTNX	Pointer to next area
20	(14)	ADDRESS	4	JPCLSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	JPCLSTBG (0)	Start of data area
24	(18)	X'18'	0	JPCLSTSZ	"(JPCLSTBG-JPCLSTOR)" JPCLSTOR length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLSHDR	, Class Header
0	(0)	CHARACTER	8	CLSID	Eye catcher
8	(8)	ADDRESS	2	CLSOPRF	Offset to prefix section
10	(A)	BITSTRING	2		Reserved for future use
12	(C)	ADDRESS	4	CLSNXTP	Address of next Class
16	(10)	ADDRESS	4	CLSFIRSTM	Address of first member
16	(10)	X'14'	0	CLSHDSZ	**_CLSHDR" Size of this section (internal use only)

Comment					

Class Section Identifiers					

End of Comment					
		.... ....		CLSIDPRF	"X'00" Class Info - Prefix

IAZJPCLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ...1		CLSIDGEN	"X'01" Class Info - General
		.... ..1.		CLSIDJS2	"X'02" Class Info - JES2
		.... ..11		CLSIDJS3	"X'03" Class Info - JES3
Comment					
Class Section Modifiers					
End of Comment					
			CLSIMGEN	"X'00" Modifier - General

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLSPREF	, Class Prefix
0	(0)	ADDRESS	2	CLSPRLN	Length of entire Class entry (Max value is 65535) returned - other than hdr
2	(2)	ADDRESS	1	CLSPRTP	Type = Prefix Section
3	(3)	ADDRESS	1	CLSPRMD	Type Mod = General
3	(3)	X'4'	0	CLSPRSZ	""-CLSPREF" Size of this section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLSGENI	, Class General Information
0	(0)	ADDRESS	2	CLSGLN	Length of this section
2	(2)	ADDRESS	1	CLSGTY	Type = General Info
3	(3)	ADDRESS	1	CLSGMD	Type Mod = General
4	(4)	CHARACTER	8	CLSGNAME	Class Name
12	(C)	BITSTRING	1	CLSGFLG1	Class Flag 1
		1...		CLSG1WLM	"B'10000000" Class is in WLM mode
		.1..		CLSG1NAC	"B'01000000" JOB class is not enabled for new work (jobs trying to use this class will fail input processing)
		...1		CLSG1JRN	"B'00010000" No journal option
13	(D)	BITSTRING	1	CLSGREST	Restart Options
		.... 1...		CLSGRCAN	"B'00001000" Print output, then cancel the job (JES3 only)
		.... .1..		CLSGRHLD	"B'00000100" Hold the job (JES3 only)
		.... ..1.		CLSGRPRT	"B'00000010" Print output, then hold the job (JES3 only)
		.... ...1		CLSGRSTR	"B'00000001" Allow warmstart to re-queue to Execution Phase
14	(E)	BITSTRING	1		Reserved
15	(F)	BITSTRING	1	CLSGJFLG	JESLOG default settings
		1...		CLSGELIG	"B'10000000" Spin eligible
		.1..		CLSGTIMI	"B'01000000" Spin on time interval
		..1.		CLSGTIMD	"B'00100000" Spin on time of day
		...1		CLSGLINE	"B'00010000" Spin upon line delta
		.... 1...		CLSGSUP	"B'00001000" Suppress
		.... ....		CLSGNOSP	"B'00000000" No spin
16	(10)	SIGNED	4	CLSGJVAL	Spin value. Number of seconds if CLSGTIMI. Number of seconds past midnight if CLSGTIMD. Number of lines if CLSGLINE.

Comment

NOTE: The following four values (CLSGMAXJ, CLSGCURJ, CLSGQSIZ, and CLSGHELD) are JESplex-wide counts.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
End of Comment					
20	(14)	SIGNED	4	CLSGMAXJ	Max number of concurrently executing jobs of this class (TDEPTH for JES3 if specified)
24	(18)	SIGNED	4	CLSGCURJ	Current number of concurrently executing jobs of this class
28	(1C)	SIGNED	4	CLSGQSIZ	Number of jobs of this class eligible for execution (awaiting job selection) (JES2 only)
32	(20)	SIGNED	4	CLSGHELD	Number of jobs of this class that are held (JES2 only)
36	(24)	CHARACTER	8	CLSGGRP	Job class group name
36	(24)	X'2C'	0	CLSGSENSZ	""-CLSGENI" Size of this section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLSJES2I	, JES2-specific Class Info
0	(0)	ADDRESS	2	CLS2LN	Length of this section
2	(2)	ADDRESS	1	CLS2TY	Type = JES2 Info
3	(3)	ADDRESS	1	CLS2MD	Type Mod = General
4	(4)	BITSTRING	1	CLS2JBFL	Job class flag
		1..		CLS2BCH	"B'10000000" Batch job
		.1..		CLS2TSU	"B'01000000" Time sharing user
		..1.		CLS2STC	"B'00100000" Started task
		.... 1..		CLS2NOUT	"B'00001000" No output option
5	(5)	BITSTRING	1	CLS2TYPR	TYPRUN setting
		..1.		CLS2HOLD	"B'00100000" TYPRUN = HOLD
		.... .1..		CLS2SCAN	"B'00000100" TYPRUN = SCAN
		.... ..1.		CLS2COPY	"B'00000010" TYPRUN = COPY
6	(6)	BITSTRING	1	CLS2CACT	Accounting information
		.... ..1.		CLS2CSWA	"B'00000100" SWA above 16M line
		.... ..1.		CLS2CNUM	"B'00000010" Account number required
		.... ...1		CLS2CNAM	"B'00000001" Programmer name required
		.... ....		CLS2CNON	"B'00000000" No information required
6	(6)	X'3'	0	CLS2CALL	"CLS2CNUM+CLS2CNAM" Account number and programmer name required
7	(7)	CHARACTER	8	CLS2CTIM (0)	Default for job time limit
7	(7)	CHARACTER	6	CLS2CMNT	Maximum minutes
13	(D)	CHARACTER	2	CLS2CSEC	Maximum seconds
15	(F)	CHARACTER	5	CLS2CREG (0)	Default for job step region
15	(F)	CHARACTER	4	CLS2CRGN	Numeric specification
19	(13)	CHARACTER	1	CLS2CRGA	Kilobyte or megabyte specification
19	(13)	X'D2'	0	CLS2CRKB	"C'K" Kilobyte specification
19	(13)	X'D4'	0	CLS2CRMB	"C'M" Megabyte specification
20	(14)	CHARACTER	1	CLS2CMND	Command disposition
20	(14)	X'F0'	0	CLS2CEXE	"C'0" Pass the command through
20	(14)	X'F1'	0	CLS2CDSP	"C'1" Display and then pass cmd
20	(14)	X'F2'	0	CLS2CVER	"C'2" Ask operator disposition
20	(14)	X'F3'	0	CLS2CIGN	"C'3" Ignore the command
21	(15)	CHARACTER	1	CLS2CBLP	Bypass label processing
		.... ..1		CLS2CBLY	"B'00000001" Process bypass label parm
22	(16)	CHARACTER	1	CLS2COCG	Operator command group
		.... .1..		CLS2CGSY	"B'00000100" Group 1 commands (SYS)
		.... ..1.		CLS2CGIO	"B'00000010" Group 2 commands (I/O)
		.... ...1		CLS2CGCO	"B'00000001" Group 3 commands (CONS)
22	(16)	X'7'	0	CLS2CGAL	"CLS2CGSY+CLS2CGIO+CLS2CGCO" All groups
23	(17)	CHARACTER	1	CLS2CJCL	Default MSGLEVEL, JCL listed if not MSGLEVEL
24	(18)	CHARACTER	1	CLS2CMSG	Allocation termination messages value of MSGLEVEL
25	(19)	BITSTRING	1	CLS2JOPT	Job options flag
		...1		CLS2NLOG	"B'00010000" No joblog indicator
		.... 1..		CLS2XBMI	"B'00001000" XBM II job class
		.... ...1		CLS2QHLD	"B'00000001" Class queue is held
26	(1A)	CHARACTER	8	CLS2XBM	Procedure name for XBM II jobs
34	(22)	CHARACTER	2	CLS2PRCN	Procedure library number
36	(24)	BITSTRING	1	CLS2SMF	SMF flags
		..1.		CLS2NUSO	"B'00100000" Do not take IEFUSO exit
		.... .1..		CLS2NTY6	"B'00000100" Do not produce Type 6 SMF record
		.... ..1.		CLS2NUJP	"B'00000010" Do not take IEFUJP exit
		.... ...1		CLS2NT26	"B'00000001" Do not produce Type 26 SMF record
37	(25)	CHARACTER	3	CLS2PERF	Default performance group
40	(28)	CHARACTER	1	CLS2DMCL	Default msgclass, TSU and STC classes only
41	(29)	BITSTRING	1	CLS2FLG1	Normal output disposition for JES data sets
		1...		CLS21CDP	"B'10000000" Conditionally purge output for jobs in this class
		...1		CLS21NOP	"B'00010000" NORMAL OUTDISP=PURGE
		.... 1..		CLS21NOW	"B'00001000" NORMAL OUTDISP=WRITE
		.... .1..		CLS21NOH	"B'00000100" NORMAL OUTDISP=HOLD
		.... ..1.		CLS21NOK	"B'00000010" NORMAL OUTDISP=KEEP
		.... ...1		CLS21NOL	"B'00000001" NORMAL OUTDISP=LEAVE
42	(2A)	BITSTRING	1	CLS2FLG2	Abnormal output disposition for JES data sets
		...1		CLS22AOP	"B'00010000" ABNORMAL OUTDISP=PURGE
		.... 1..		CLS22AOW	"B'00001000" ABNORMAL OUTDISP=WRITE
		.... .1..		CLS22AOH	"B'00000100" ABNORMAL OUTDISP=HOLD
		.... ..1.		CLS22AOK	"B'00000010" ABNORMAL OUTDISP=KEEP
		.... ...1		CLS22AOL	"B'00000001" ABNORMAL OUTDISP=LEAVE
43	(2B)	BITSTRING	1	CLS2FLG3	Processing flags
		..1.		CLS23SPC	"B'01000000" Special class (STC/TSU)
		.... .1..		CLS23SNV	"B'00000100" Default SCHENV (CLS2SCHE) no longer defined to WLM
		.... ..1.		CLS23DOK	"B'00000010" Duplicate job names OK for this job class
		.... ...1		CLS23LSR	"B'00000001" JOBRC=LASTRC specified for this job class
44	(2C)	CHARACTER	16	CLS2SCHE	Default SCHENV
60	(3C)	BITSTRING	1	CLS2CFL1	Converter parm byte

IAZJPCLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		CLS21NQU	"B'10000000" - Automatically downgrade SYSDSN ENQs to SHR control when no longer needed EXCLUSIVE (DSENQSHR=AUTO)
		.1..		CLS21NQA	"B'01000000" - Allow jobs to downgrade SYSDSN ENQs to SHR control when no longer needed EXCL when requested via JCL DSENQSHR keyword on JOB stmt (DSENQSHR=ALLOW) - Both bits off indicates that SYSDSN ENQ SHR function is disabled (DSENQSHR=DISALLOW)
		..1.		CLS21SYM	"B'00100000" - System symbols substitution in batch jobs is supported (SYMSYS=ALLOW)
60	(3C)	X'3D'	0	CLS2FSZ	**-CLSJES2!" Size of this section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLSJES3I	, JES3-specific Class Info
0	(0)	ADDRESS	2	CLS3LN	Length of this section - includes variable length TLIMIT information
2	(2)	ADDRESS	1	CLS3TY	Type = JES3 Info
3	(3)	ADDRESS	1	CLS3MD	Type Mod = General
4	(4)	CHARACTER	8	CLS3GRP	Job class group name (same as CLSGGRP)
12	(C)	CHARACTER	8	CLS3PART	Spool partition name
20	(14)	SIGNED	2	CLS3TRK1	Primary track group allocation
22	(16)	SIGNED	2	CLS3TRK2	Secondary track group allocation
24	(18)	BITSTRING	1	CLS3SDEP	SDEPTH setting
25	(19)	BITSTRING	1	CLS3PTY	JES3 priority
26	(1A)	BITSTRING	1	CLS3FLG1	Flag byte
		...1		CLS31DEF	"B'00010000" ON -> Default class
27	(1B)	BITSTRING	1	CLS3JOPT	Job option
		1...		CLS3NLOG	"B'10000000" Suppress JESMSG
		.1..		CLS3LOG	"B'01000000" Log JESMSG
28	(1C)	ADDRESS	2	CLS3TLOF	Offset to 1st TLIMIT entry
30	(1E)	ADDRESS	2	CLS3TLCT	TLIMIT entry count
32	(20)	ADDRESS	2	CLS3TLSI	Size of a TLIMIT entry
34	(22)	BITSTRING	2		Reserved for future use
34	(22)	X'24'	0	CLS3FSZ	**-CLSJES3!" Fixed section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLS3TLIM	, TLIMIT entry
0	(0)	CHARACTER	8	CLS3TCLS	Controlling class name
8	(8)	SIGNED	4	CLS3TMAX	Maximum jobs in controlling class
12	(C)	SIGNED	4	CLS3TCUR	Current jobs in controlling class
12	(C)	X'10'	0	CLS3TLSZ	**-CLS3TLIM" TLIMIT entry length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLMHDR	, Member Header
0	(0)	CHARACTER	8	CLMID	Eyecatcher
8	(8)	ADDRESS	2	CLMOPRF	Offset to member prefix section.
10	(A)	BITSTRING	2		Reserved for future use
12	(C)	ADDRESS	4	CLMNXTM	Next member header address
12	(C)	X'10'	0	CLMHDSZ	**-CLMHDR" Size of this section (internal use only)

Comment					
Member Section Identifiers					
End of Comment					
		1...		CLMIDPRF	"X'80" Member Info - Prefix
		1... ..1		CLMIDGEN	"X'81" Member Info - General
		1... ..1.		CLMIDJS2	"X'82" Member Info - JES2
		1... ..11		CLMIDJS3	"X'83" Member Info - JES3

Comment					
Member Section Modifiers					
End of Comment					
		1...		CLMIMGEN	"X'80" Modifier - General
		1... ..1.		CLMIMJ2A	"X'82" Modifier - JES2

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..11		CLMIMJ3A	"X'83" Modifier - JES3

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLMPREF	, Member Prefix
0	(0)	ADDRESS	2	CLMPRLN	Length of entire Member entry (Max value is 65535)
2	(2)	ADDRESS	1	CLMPRTP	Type = Prefix Section
3	(3)	ADDRESS	1	CLMPRMD	Type Mod = General
3	(3)	X'4'	0	CLMPRSZ	**-CLMPREF" Size of this section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLMGENI	, Member General Information
0	(0)	ADDRESS	2	CLMGLN	Length of this section
2	(2)	ADDRESS	1	CLMGTY	Type = General Info
3	(3)	ADDRESS	1	CLMGMD	Type Mod = General
4	(4)	CHARACTER	8	CLMGMNAM	Member name
12	(C)	CHARACTER	8	CLMGSNAM	MVS System name
20	(14)	BITSTRING	1	CLMGFLG1	Flag byte
		1...		CLMG1ENB	"B'10000000" Class is enabled / active on member
		.1..		CLMG1ACT	"B'01000000" Member is active
		..1.		CLMG1PXQ	"B'00100000" Class is on halted member, \$PXEQ issued (JES2 only)
		...1		CLMG1DRN	"B'00010000" Class is on draining member (JES2 only)
		.... 1...		CLMG1DEF	"B'00001000" Class is defined on member (JES3 only)
21	(15)	BITSTRING	3		Reserved for future use
24	(18)	SIGNED	4	CLMGJMAX	Maximum job count for this class on member (MDEPTH for JES3 if specified)
28	(1C)	SIGNED	4	CLMGJCUR	Current active job count for this class on member
28	(1C)	X'20'	0	CLMGENSZ	**-CLMGENI" Size of this section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLMJES3I	, Member JES3 specific information
0	(0)	ADDRESS	2	CLM3LN	Length of this section (variable length)
2	(2)	ADDRESS	1	CLM3TY	Type = JES3 Info
3	(3)	ADDRESS	1	CLM3MD	Type Mod = General
4	(4)	CHARACTER	8	CLM3SELM	Selection mode name
12	(C)	ADDRESS	2	CLM3MLOF	Offset to 1st MLIMIT entry
14	(E)	ADDRESS	2	CLM3MLCT	MLIMIT entry count
16	(10)	ADDRESS	2	CLM3MLSI	Size of a MLIMIT entry
18	(12)	BITSTRING	2		Reserved for future use
18	(12)	X'14'	0	CLM3FSZ	**-CLMJES3I" Section fixed length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CLM3MLIM	, MLIMIT entry
0	(0)	CHARACTER	8	CLM3MCLS	Controlling class name
8	(8)	SIGNED	4	CLM3MMAX	Maximum jobs in controlling class
12	(C)	SIGNED	4	CLM3MCUR	Current jobs in controlling class
12	(C)	X'10'	0	CLM3MLSZ	**-CLM3MLIM" MLIMIT entry length (internal use only)

IAZJPCLS Cross Reference

IAZJPCLS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CLMGENI	0		CLSG1JRN	C	10
CLMGENSZ	1C	20	CLSG1NAC	C	40
CLMGFLG1	14		CLSG1WLM	C	80
CLMGJCUR	1C		CLSHDR	0	
CLMGJMAX	18		CLSHDSZ	10	14
CLMGLN	0	20	CLSID	0	C3D3C1E2
CLMGMD	3		CLSIDGEN	10	1
CLMGMNAM	4		CLSIDJS2	10	2
CLMGSNAM	C		CLSIDJS3	10	3
CLMGTY	2		CLSIDPRF	10	0
CLMG1ACT	14	40	CLSIMGEN	10	0
CLMG1DEF	14	8	CLSJES2I	0	
CLMG1DRN	14	10	CLSJES3I	0	
CLMG1ENB	14	80	CLSNXTP	C	
CLMG1PXQ	14	20	CLSOPRF	8	14
CLMHDR	0		CLSPREF	0	
CLMHDSZ	C	10	CLSPRLN	0	
CLMID	0	C3D3C1E2	CLSPRMD	3	
CLMIDGEN	C	81	CLSPRSZ	3	4
CLMIDJS2	C	82	CLSPRTP	2	
CLMIDJS3	C	83	CLS2BCH	4	80
CLMIDPRF	C	80	CLS2CACT	6	
CLMIMGEN	C	80	CLS2CALL	6	3
CLMIMJ2A	C	82	CLS2CBLP	15	
CLMIMJ3A	C	83	CLS2CBLY	15	1
CLMJES3I	0		CLS2CDSP	14	F1
CLMNXTM	C		CLS2CEXE	14	F0
CLMOPRF	8	10	CLS2CFL1	3C	
CLMPREF	0		CLS2CGAL	16	7
CLMPRLN	0		CLS2CGCO	16	1
CLMPRMD	3		CLS2CGIO	16	2
CLMPRSZ	3	4	CLS2CGSY	16	4
CLMPRTP	2		CLS2CIGN	14	F3
CLM3FSZ	12	14	CLS2CJCL	17	
CLM3LN	0	0	CLS2CMND	14	
CLM3MCLS	0		CLS2CMNT	7	
CLM3MCUR	C		CLS2CMSG	18	
CLM3MD	3		CLS2CNAM	6	1
CLM3MLCT	E		CLS2CNON	6	0
CLM3MLIM	0		CLS2CNUM	6	2
CLM3MLOF	C		CLS2COCG	16	
CLM3MLSI	10		CLS2COPY	5	2
CLM3MLSZ	C	10	CLS2CREG	F	
CLM3MMAX	8		CLS2CRGA	13	
CLM3SELM	4		CLS2CRGN	F	
CLM3TY	2		CLS2CRKB	13	D2
CLSFRSTM	10		CLS2CRMB	13	D4
CLSGCURJ	18		CLS2CSEC	D	
CLSGELIG	F	80	CLS2CSWA	6	4
CLSGENI	0		CLS2CTIM	7	
CLSGENSZ	24	2C	CLS2CVER	14	F2
CLSGFLG1	C		CLS2DMCL	28	
CLSGGRP	24		CLS2FLG1	29	
CLSGHELD	20		CLS2FLG2	2A	
CLSGJFLG	F		CLS2FLG3	2B	
CLSGJVAL	10		CLS2FSZ	3C	3D
CLSGLINE	F	10	CLS2HOLD	5	20
CLSGLN	0	2C	CLS2JBFL	4	
CLSGMAXJ	14		CLS2JOPT	19	
CLSGMD	3		CLS2LN	0	3D
CLSGNAME	4		CLS2MD	3	
CLSGNOSP	F	0	CLS2NLOG	19	10
CLSGQSIZ	1C		CLS2NOUT	4	8
CLSGRCAN	D	8	CLS2NTY6	24	4
CLSGREST	D		CLS2NT26	24	1
CLSGRHLD	D	4	CLS2NUJP	24	2
CLSGRPRT	D	2	CLS2NUSO	24	20
CLSGRSTR	D	1	CLS2PERF	25	
CLSGSUP	F	8	CLS2PRCN	22	
CLSGTIMD	F	20	CLS2QHLD	19	1
CLSGTIMI	F	40	CLS2SCAN	5	4
CLSGTY	2		CLS2SCHE	2C	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CLS2SMF	24		JPCLVERL	A	
CLS2STC	4	20	JPCLVERM	B	
CLS2TSU	4	40	JPCLVERO	C	0
CLS2TY	2		JPCLV010	B	100
CLS2TYPR	5		JPCL1CLS	14	80
CLS2XBM	1A		JPCL1GRP	14	40
CLS2XBMI	19	8			
CLS21CDP	29	80			
CLS21NOH	29	4			
CLS21NOK	29	2			
CLS21NOL	29	1			
CLS21NOP	29	10			
CLS21NOW	29	8			
CLS21NQA	3C	40			
CLS21NQU	3C	80			
CLS21SYM	3C	20			
CLS22AOH	2A	4			
CLS22AOK	2A	2			
CLS22AOL	2A	1			
CLS22AOP	2A	10			
CLS22AOW	2A	8			
CLS23DOK	2B	2			
CLS23LSR	2B	1			
CLS23SNV	2B	4			
CLS23SPC	2B	40			
CLS3FLG1	1A				
CLS3FSZ	22	24			
CLS3GRP	4				
CLS3JOPT	1B				
CLS3LN	0	0			
CLS3LOG	1B	40			
CLS3MD	3				
CLS3NLOG	1B	80			
CLS3PART	C				
CLS3PTY	19				
CLS3SDEP	18				
CLS3TCLS	0				
CLS3TCUR	C				
CLS3TLCT	1E				
CLS3TLIM	0				
CLS3TLOF	1C				
CLS3TLSI	20				
CLS3TLSZ	C	10			
CLS3TMAX	8				
CLS3TRK1	14				
CLS3TRK2	16				
CLS3TY	2				
CLS31DEF	1A	10			
JPCLCNAM	18				
JPCLCVRL	B	1			
JPCLCVRM	B	0			
JPCLDPTR	70				
JPCLFLG1	14				
JPCLGNAM	20				
JPCLID	0	D1D7C3D3			
JPCLLEN	8				
JPCLNCLS	74				
JPCLS	0				
JPCLSTBG	18				
JPCLSTCP	14				
JPCLSTHL	8				
JPCLSTID	0	D1D7C3D3			
JPCLSTNX	10				
JPCLSTOR	0				
JPCLSTPL	C	E6			
JPCLSTRP	10				
JPCLSTSP	C				
JPCLSTSZ	18	18			
JPCLSTTL	D				
JPCLSZE	78	C8			
JPCLSZE1	78	C8			
JPCLUSER	10				
JPCLVER	A				
JPCLVER#	B	100			

IAZJPITD Information

IAZJPITD Programming Interface information

Programming Interface information

IAZJPITD

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

- ITGGSIZE
- ITGHDHSZ
- ITIGSIZE
- ITIH SIZE
- ITORSTBG
- ITORSTCP
- ITORSTHL
- ITORSTID
- ITORSTNX
- ITORSTOR
- ITORSTPL
- ITORSTSP
- ITORSTTL
- ITSMSIZE
- IT2CSIZE
- IT2ISIZE
- IT2JSIZE
- IT3CSIZE
- IT3GSIZE
- IT3HSIZE
- IT3JSIZE
- IT3SSIZE
- JPITSTRP
- JPITSIZE

End of Programming Interface information

IAZJPITD Heading Information • IAZJPITD Map

IAZJPITD Heading Information

Common Name: Parameters and data structures returned by Initiator Data SSI (subfunction of SSI 82)
Macro ID: IAZJPITD
DSECT Name: See below for DSECT names of individual data structures
Owning Component: JES Common (SC141)
Eye-Catcher ID: SSI parameter list - 'JPINITDT'
 See other DSECTs for the eye-catchers they use.
 Offset: JPITSSID
 Length: L'JPITSSID

Storage Attributes: Subpool: parameter list - determined by caller output data - subpool 230
 Key: parameter list - determined by caller output data - key 1
 Residency: Virtual = 31 bit private storage real = 64 bit storage

Size: See below for sizes of individual DSECTs
Created by: Parameter list - by SSI caller
 Output data - by SSI 82
Pointed to by: SSJPUSER in the SSOB extension for SSI 82
 (see IAZSSJP macro)
Serialization: None
Function: This macro provides the mapping of the data structures used by Initiator Data SSI (subfunction of SSI 82):
 - SSI parameter list
 - SSI output data
 - storage areas managed by the SSI

IAZJPITD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPITD	
0	(0)	CHARACTER	8	JPITSSID	I.Eye catcher
8	(8)	ADDRESS	2	JPITLEN	I.Length of JPITD parameter list
10	(A)	BITSTRING	2	JPITSVER (0)	I.Parm list version/modifier
10	(A)	ADDRESS	1	JPITSVRL	I.Parm list version level
11	(B)	ADDRESS	1	JPITSVRM	I.Parm list version modifier
11	(B)	BITSTRING	0	JPITSVR1	"X'0100" Service version number of IAZJPITD - original
11	(B)	BITSTRING	0	JPITSVR2	"X'0200" Service version number introduced by z/OS 1.12
		.... ..1.		JPITCVR1	"X'02" Service version level of IAZJPITD - Latest Ver
		.... ....		JPITCVRM	"X'00" Service version modifier of IAZJPITD - Latest Ver
11	(B)	BITSTRING	0	JPITSVR#	"X'0200" Current version/modifier SET JPITSVER TO JPITSVR#
12	(C)	SIGNED	2	JPITVERO	O.Subsystem version/modifier
12	(C)	BITSTRING	0	JPITOVR1	"X'0100" Output version number original
12	(C)	BITSTRING	0	JPITOVR2	"X'0200" Output version number introduced by z/OS 1.12
12	(C)	BITSTRING	0	JPITOVR#	"X'0200" Latest version number
14	(E)	SIGNED	2		Reserved
16	(10)	SIGNED	2	JPITUSER (0)	

Comment

 JPITSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystem.

End of Comment

16	(10)	ADDRESS	4	JPITSTRP	Storage management anchor
20	(14)	BITSTRING	1	JPITFLG1	IS.Selection flag byte:
		1...		JPIT1GRP	"B'10000000" Return Initiator Groups indicated by JPITGNAM filter

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
<p>The next 2 bits are used together to determine system/member name filtering. If neither JPIT1NAS nor JPIT1NAM are specified, SSI will only return data from the system where SSI was called. To request information from other systems (or members) in a JESplex, specify system or member selection filter.</p>					
					End of Comment
		.1.		JPIT1NAS	"B'01000000" Return Initiator information from MVS system name indicated by JPITSNAM
		..1.		JPIT1NAM	"B'00100000" Return Initiator information from JES member name indicated by JPITMNAM
					Comment
<p>The next 2 bits are used together to determine class filtering. The first bit, JPIT1CLS, set to ON indicates that class filtering is requested. If class filtering is requested then the second bit JPIT1CLW has meaning. If JPIT1CLW is OFF, the caller is requesting jobclass filtering. If JPIT1CLW is ON, the caller is requesting service class filtering.</p> <p>JES2 Usage =====</p> <p>Jobclass filtering for JES2 Initiators returns any JES2 Initiators that have the 1 character jobclass specified in field JPITSCLS in their list of supported job classes. Jobclass filtering is not valid if WLM group filtering is requested. If JPIT1CLW is on, the caller is requesting service class filtering. Service class filtering for WLM initiators would return any WLM initiators that are selecting on the service class specified in field JPITSCLS. Wildcard names are supported for service class filtering. Service class filtering is not valid if JES2 group filtering is requested.</p> <p>JES3 Usage =====</p> <p>For JES3, class filtering will only take place if JPIT1CLS is set ON and JPIT1CLW is set OFF. JES3 will only do class filtering for job classes and will ignore class filtering for service classes. Wildcard names are supported for jobclass filtering.</p>					
					End of Comment
		...1		JPIT1CLS	"B'00010000" Return Initiators based on Class indicated by JPITSCLS
		.... 1...		JPIT1CLW	"B'00001000" If this bit is on, interpret field JPITSCLS as a service class. If this bit is off, interpret JPITSCLS as a job class.
		.... .1..		JPIT1DOM	"B'00000100" If this bit is on, authorized caller is requesting a security label dominance check for batch job data (JES2)

IAZJPITD Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
						Comment
<p>The next 2 bits are used together to determine filtering by initiator mode. If both bits are OFF, the SSI will return data for both JES and WLM mode initiators. Filtering by initiator mode is independent from filtering by initiator group name (see JPIT1GRP and JPITGNAM). For example, for JES2 requesting initiator group "JES2" AND WLM mode initiators will not return any data.</p>						
						End of Comment
21	(15)	.... ..1. .... ..1 BITSTRING	3	JPIT1JES JPIT1WLM	"B'00000010" Return JES mode initiators "B'00000001" Return WLM mode initiators Reserved for future use	
						Comment
<p>Filter field JPITGNAM may contain an Initiator group name. Bit JPIT1GRP indicates if filter JPITGNAM is used. JES2 accepts the constant group names "JES2" and "WLM". JES3 group names are not constants.</p>						
						End of Comment
24	(18)	CHARACTER	8	JPITGNAM	IS*.Name of Initiator group to be returned.	
						Comment
<p>Filter field JPITSNAM may contain a MVS system name. Bit JPIT1NAS indicates if the filter JPITSNAM is used. Wildcard names are supported.</p>						
						End of Comment
32	(20)	CHARACTER	8	JPITSNAM	IS*.Report Initiator info for this MVS system name.	
						Comment
<p>Filter field JPITMNAM may contain a JES member name. Bit JPIT1NAM indicates if the filter JPITMNAM is used. Wildcard names are supported.</p>						
						End of Comment
40	(28)	CHARACTER	8	JPITMNAM	IS*.Report Initiator info for this JES mbr name.	
						Comment
<p>Filter field JPITSCLS may contain a service or job class. Refer to the comments for filter bits JPIT1CLS and JPIT1CLW for usage information.</p>						
						End of Comment
48	(30)	CHARACTER	8	JPITSCLS	IS*.Report Initiator info for this job/serv class	

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

Filter field JPITSTAT will be used to select initiators by status if set. Note that WLM and JES3 initiators support ACTIVE/INACTIVE states only (JPITSACT/JPITSINA).					

End of Comment					
56	(38)	BITSTRING	1	JPITSTAT	IS.Report Initiator info for this status
		1... ..		JPITSDRI	"B'10000000" Draining
		.1.		JPITSDRD	"B'01000000" Drained
		..1.		JPITSHLI	"B'00100000" Halting
		...1		JPITSHLD	"B'00010000" Halted
		.... 1...		JPITSINA	"B'00001000" Inactive
		.... .1..		JPITSACT	"B'00000100" Active
		.... ..1.		JPITSSTR	"B'00000010" Starting
57	(39)	BITSTRING	3		Reserved for future use
60	(3C)	SIGNED	4	(11)	Reserved for future use
104	(68)	ADDRESS	4	JPITDPTR	O.Pointer to first initiator group data buffer (see ITGHDHDR)
108	(6C)	SIGNED	4	JPITNIG	O.Number of initiator groups returned
112	(70)	SIGNED	4	(10)	Reserved for future use
152	(98)	DBL WORD	8	(0)	Ensure size Dword aligned
152	(98)	X'98'	0	JPITSZE1	**_JPITD" Fixed parameter end: ver 1
152	(98)	ADDRESS	4	JPITMPTR	O.Ptr to first system/member data area (see ITSMHDR)
156	(9C)	SIGNED	4	JPITMNUM	O.Number of system/member data areas returned
160	(A0)	DBL WORD	8	(0)	Ensure size Dword aligned
160	(A0)	X'A0'	0	JPITSZE2	**_JPITD" Fixed parameter end: ver 2
160	(A0)	X'A0'	0	JPITSZE	**_JPITD" JPITD Current version fixed parameter length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITGHDHDR	, Initiator Group Header
0	(0)	CHARACTER	8	ITGHEYE	Eye catcher
8	(8)	ADDRESS	2	ITGHOHDR	Offset to first section
10	(A)	BITSTRING	2		Reserved for future use
12	(C)	ADDRESS	4	ITGHNEXT	Address of next Group
16	(10)	ADDRESS	4	ITGHINIT	Address of first Initiator in group
20	(14)	SIGNED	4	ITGHNINT	Number of Initiators in group
20	(14)	X'18'	0	ITGHDHSZ	**_ITGHDHDR" Size of header(internal use only)

Comment					
Initiator Group Section Identifiers					

End of Comment					
		.... ..		ITORTGPR	"X'00" Group Prefix
		.... ...1		ITORTGGI	"X'01" Group General Information
		.... ..11		ITORTGJ3	"X'03" JES3 Group Information

Comment					
Initiator Group Section Modifiers					

End of Comment					
		.... ....		ITORTGPM	"X'00" Group Prefix Modifier
		.... ....		ITORTGGM	"X'00" Group General Info Modifier
		.... ....		ITORTG3I	"X'00" JES3 Group Information
		.... ...1		ITORTG3S	"X'01" JES3 Group System Info
		.... ..1.		ITORTG3J	"X'02" JES3 Group Jobclass Info

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITGPDGRP	, Initiator Group Prefix Data
0	(0)	ADDRESS	2	ITGPGLEN	Length of entire Group entry (Max value is 65535)
2	(2)	ADDRESS	1	ITGPGTYP	Type of this section
3	(3)	ADDRESS	1	ITGPGMOD	Modifier

IAZJPITD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	X'4'	0	ITGPSIZE	""-ITGPDGRP" Initiator Group Prefix section length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITGGDGGI	, Initiator Group General Dta
0	(0)	ADDRESS	2	ITGGLEN	Length of section
2	(2)	ADDRESS	1	ITGGTYPE	Type of this section
3	(3)	ADDRESS	1	ITGGMOD	Modifier
4	(4)	CHARACTER	8	ITGGGNAM	Group name
12	(C)	BITSTRING	1	ITGGFLAG	Group Flags
		1... ..		ITGGWLM	"B'10000000" ON - Group Mode WLM OFF - Group Mode JES
13	(D)	BITSTRING	3		Reserved
13	(D)	X'10'	0	ITGGSIZE	""-ITGGDGGI" Initiator Group General Information section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT3GDG3I	, JES3 Group Information Data
0	(0)	ADDRESS	2	IT3GLEN	Length of section
2	(2)	ADDRESS	1	IT3GTYPE	Type of this section - JES3
3	(3)	ADDRESS	1	IT3GMOD	Modifier - Group info
4	(4)	CHARACTER	4	IT3G3IBR	JES3 group barrier 0-15 - job priority 16 - no barrier "PRTY" - each job priority is a barrier
8	(8)	BITSTRING	1	IT3GFLAG	JES3 group flag
		1... ..		IT3GDEFG	"B'10000000" ON - This is the JES3 default group OFF - This is not the JES3 default group
9	(9)	BITSTRING	3		Reserved for future use
9	(9)	X'C'	0	IT3GSIZE	""-IT3GDG3I" JES3 Group Information section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT3HDG3S	, JES3 Group System Info Data
0	(0)	ADDRESS	2	IT3HLEN	Length of section
2	(2)	ADDRESS	1	IT3HTYPE	Type of this section - JES3
3	(3)	ADDRESS	1	IT3HMOD	Modifier - Group System Inf
4	(4)	ADDRESS	2	IT3H3SOS	Offset to 1st system entry
6	(6)	ADDRESS	2	IT3H3SNS	Number of system entries
8	(8)	ADDRESS	2	IT3H3SLS	Length of a system entry
8	(8)	X'A'	0	IT3HSIZE	""-IT3HDG3S" JES3 Group System Info section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT3SDISY	, JES3 System Information Entry data
0	(0)	CHARACTER	8	IT3SSYSN	System name
8	(8)	SIGNED	4	IT3SDICT	Defined initiator Count
12	(C)	SIGNED	4	IT3SAICT	Allocated initiator Count
16	(10)	SIGNED	4	IT3SUICT	In-use initiator Count
20	(14)	BITSTRING	1	IT3SFLAG	Flags
		1... ..		IT3SMANA	"B'10000000" ON - Manual allocation OFF - Dynamic allocation
		.1.		IT3SMANU	"B'01000000" ON - Manual unallocation OFF - Dynamic unallocation
		..1.		IT3SENBS	"B'00100000" ON - Group is enabled for scheduling on this system OFF - Group is disabled for scheduling on this system
21	(15)	BITSTRING	3		Reserved
24	(18)	ADDRESS	4	IT3SJSIE	Ptr to JESplex system information entry (see IAZJPLXI)
24	(18)	X'1C'	0	IT3SSIZE	""-IT3SDISY" System Information Entry section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT3JDG3J	, JES3 Group Jobclass Info data
0	(0)	ADDRESS	2	IT3JLEN	Length of section
2	(2)	ADDRESS	1	IT3JTYPE	Type of this section - JES3
3	(3)	ADDRESS	1	IT3JMOD	Modifier - Group Jobclass Info
4	(4)	ADDRESS	2	IT3JCOF	Offset to 1st jobclass entry
6	(6)	ADDRESS	2	IT3JCCCT	Number of jobclass entries

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	ADDRESS	2	IT3JJCLN	Length of a jobclass entry
8	(8)	X'A'	0	IT3JSIZE	**-IT3JDG3J" JES3 Group Jobclass Info section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT3CD3JC	, Jobclass Entry data
0	(0)	CHARACTER	8	IT3CJCNM	Jobclass name
8	(8)	BITSTRING	4	IT3CSENB	Bitmap relative to system entries in Group System Information section - if bit is ON, class is enabled on corresponding system
12	(C)	BITSTRING	4	IT3CSDEF	Bitmap relative to system entries in Group System Information section - if bit is ON, class is defined on corresponding system
16	(10)	BITSTRING	4	IT3CSEN2	Bitmap relative to JPSYSIFE system entries (anchored by JPIMPTR), if bit is ON class is enabled on corresponding system
20	(14)	BITSTRING	4	IT3CSDE2	Bitmap relative to JPSYSIFE system entries (anchored by JPIMPTR), if bit is ON class is defined on corresponding system
20	(14)	X'18'	0	IT3CSIZE	**-IT3CD3JC" Jobclass Entry section length (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITIHDHHD	, Initiator Header
0	(0)	CHARACTER	8	ITIHIEYE	Eye catcher
8	(8)	ADDRESS	2	ITIHODHR	Offset to first section
10	(A)	BITSTRING	2		Reserved for future use
12	(C)	ADDRESS	4	ITIHNEXT	Address of next Initiator Header
16	(10)	ADDRESS	4	ITIHYSYSI	Address of JPSYSIFE for this initiator (see IAZJPLXI)
16	(10)	X'14'	0	ITIH SIZE	**-ITIHDHHD" Size of header (internal use only)

Comment

Initiator Section Identifiers

End of Comment

1... ..	ITORTIPR	"X'80" Initiator Prefix
1... ..1	ITORTIGI	"X'81" Initiator General Info
1... ..1.	ITORTIJ2	"X'82" JES2 Initiator Information

Comment

Initiator Section Modifiers

End of Comment

.... ..	ITORTIPM	"X'00" Initiator Prefix Modifier
.... ..	ITORTIGM	"X'00" Initiator General Info Mod
.... ..	ITORTI2I	"X'00" JES2 Initiator Information
.... ..1	ITORTI2J	"X'01" JES2 Initiator Jobclass Information

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITIPDINT	, Initiator Prefix Data
0	(0)	ADDRESS	2	ITIPILEN	Length of entire Initiator entry (Max value 65535)
2	(2)	ADDRESS	1	ITIPITYP	Type of this header
3	(3)	ADDRESS	1	ITIPIMOD	Modifier
3	(3)	X'4'	0	ITIPSIZE	**-ITIPDINT" Initiator Prefix section length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITIGDIGI	, Initiator General Info Data
0	(0)	ADDRESS	2	ITIGIILN	Length of section
2	(2)	ADDRESS	1	ITIGIITY	Type of this header
3	(3)	ADDRESS	1	ITIGIIMD	Modifier
4	(4)	SIGNED	2	ITIGASID	ASID of initiator job
6	(6)	BITSTRING	1	ITIGSTAT	Initiator Status
		1... ..		ITIGIDRI	"B'10000000" Draining
		.1.		ITIGIDRD	"B'01000000" Drained
		..1.		ITIGIHLI	"B'00100000" Halting

IAZJPITD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		ITIGIHL	"B'00010000" Halted
		.... 1...		ITIGIINA	"B'00001000" Inactive
		.... .1..		ITIGIACT	"B'00000100" Active
		.... ..1.		ITIGISTR	"B'00000010" Starting
7	(7)	BITSTRING	1		Reserved
8	(8)	CHARACTER	8	ITIGMVS	MVS system name
16	(10)	CHARACTER	8	ITIGSID	JES member name

Comment

 The following fields are associated with the
 currently active batch job in the initiator

End of Comment

24	(18)	CHARACTER	8	ITIGJNAM	Jobname from job card
32	(20)	CHARACTER	8	ITIGJBID	Job ID of batch job
40	(28)	CHARACTER	8	ITIGOWNR	Userid from job card
48	(30)	CHARACTER	8	ITIGSTEP	Job step name
56	(38)	CHARACTER	8	ITIGPRSN	Procedure step name (JES2 only)
64	(40)	CHARACTER	8	ITIGSECL	SECLABEL for address space
72	(48)	CHARACTER	8	ITIGJCLS	Job class
80	(50)	CHARACTER	8	ITIGSCLS	Service class of currently active job, if JES managed. If WLM managed, service class WLM initiator currently running.
88	(58)	BITSTRING	4	ITIGINID	Unique initiator ID
88	(58)	X'5C'	0	ITIGSIZE	**-ITIGDIGI" Initiator General Information section length (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT2IDI2I	, JES2 Initiator Information Data
0	(0)	ADDRESS	2	IT2ILEN	Length of section
2	(2)	ADDRESS	1	IT2ITYPE	Type of this section
3	(3)	ADDRESS	1	IT2IMOD	Modifier
4	(4)	CHARACTER	4	IT2IITID	Initiator partition 'id'
8	(8)	CHARACTER	8	IT2IITJI	Initiator job ID
8	(8)	X'10'	0	IT2ISIZE	**-IT2IDI2I" JES2 Initiator Information section length (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT2JDI2J	, JES2 Initiator Jobclass Information Data
0	(0)	ADDRESS	2	IT2JLEN	Length of section
2	(2)	ADDRESS	1	IT2JTYPE	Type of this section
3	(3)	ADDRESS	1	IT2JMOD	Modifier
4	(4)	ADDRESS	2	IT2JJCOS	Offset to 1st jobclass entry
6	(6)	ADDRESS	2	IT2JJCCT	Number of jobclass entries
8	(8)	ADDRESS	2	IT2JJCLN	Length of a jobclass entry
8	(8)	X'A'	0	IT2JSIZE	**-IT2JDI2J" JES2 Initiator Jobclass Information section length (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IT2CDIJC	, Jobclass Entry data
0	(0)	CHARACTER	8	IT2CJCNM	Jobclass name/group name
8	(8)	BITSTRING	1	IT2CFLAG	Flags
		1...		IT2CJCWY	"B'10000000" ON - Yes, jobclass is WLM eligible OFF - No, not eligible
		.1..		IT2CJGRP	"B'01000000" ON - IT2CJCNM is a job class group name OFF - IT2CJCNM is a job class
8	(8)	X'9'	0	IT2CSIZE	**-IT2CDIJC" Jobclass Entry section length (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITSMHDR	, System information header
0	(0)	CHARACTER	8	ITSMEYE	Eye-catcher
8	(8)	ADDRESS	2	ITSMOHR	Offset to prefix section
10	(A)	BITSTRING	2		Reserved
12	(C)	ADDRESS	4	ITSMNEXT	Address of next header

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	X'10'	0	ITSMSIZE	""-ITSMHDR" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITORSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	ITORSTID	Full eyecatcher
8	(8)	ADDRESS	2	ITORSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	ITORSTSP	Subpool of area
12	(C)	X'E6'	0	ITORSTPL	"230" Recommended subpool use
13	(D)	ADDRESS	3	ITORSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	ITORSTNX	Pointer to next area
20	(14)	ADDRESS	4	ITORSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	ITORSTBG (0)	Start of data area

IAZJPITD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ITGGDGGI	0		ITIPILEN	0	0
ITGGFLAG	C		ITIPIMOD	3	
ITGGGNAM	4		ITIPITYP	2	
ITGGLEN	0	10	ITIPSIZE	3	4
ITGGMOD	3		ITORSTBG	18	
ITGGSIZE	D	10	ITORSTCP	14	
ITGGTYPE	2		ITORSTHL	8	
ITGGWLM	C	80	ITORSTID	0	C9E3D6D9
ITGHDHDR	0		ITORSTNX	10	
ITGHDHSZ	14	18	ITORSTOR	0	
ITGHEYE	0	C4C9D5C9	ITORSTPL	C	E6
ITGHINIT	10		ITORSTSP	C	
ITGHNEXT	C		ITORSTTL	D	
ITGHNINT	14		ITORTGGI	14	1
ITGHOHDR	8	18	ITORTGGM	14	0
ITGPDGRP	0		ITORTGJ3	14	3
ITGPGLEN	0		ITORTGPM	14	0
ITGPGMOD	3		ITORTGPR	14	0
ITGPGTYP	2		ITORTG3I	14	0
ITGPSIZE	3	4	ITORTG3J	14	2
ITIGASID	4		ITORTG3S	14	1
ITIGDIGI	0		ITORTIGI	10	81
ITIGIACT	6	4	ITORTIGM	10	0
ITIGIDRD	6	40	ITORTIJ2	10	82
ITIGIDRI	6	80	ITORTIPM	10	0
ITIGIHLD	6	10	ITORTIPR	10	80
ITIGIHLI	6	20	ITORTI2I	10	0
ITIGIILN	0	5C	ITORTI2J	10	1
ITIGIIMD	3		ITSMEYE	0	D1D7C9E3
ITIGIINA	6	8	ITSMHDR	0	
ITIGIITY	2		ITSMNEXT	C	
ITIGINID	58	0	ITSMOHDR	8	10
ITIGISTR	6	2	ITSMSIZE	C	10
ITIGJBID	20	40404040	IT2CDIJC	0	
ITIGJCLS	48	40404040	IT2CFLAG	8	
ITIGJNAM	18	40404040	IT2CJCNM	0	40404040
ITIGMVSJ	8	40404040	IT2CJCWY	8	80
ITIGOWNR	28	40404040	IT2CJGRP	8	40
ITIGPRSN	38	40404040	IT2CSIZE	8	9
ITIGSCLS	50	40404040	IT2IDI2I	0	
ITIGSECL	40	40404040	IT2IITID	4	40404040
ITIGSID	10	40404040	IT2IITJI	8	40404040
ITIGSIZE	58	5C	IT2ILEN	0	10
ITIGSTAT	6		IT2IMOD	3	
ITIGSTEP	30	40404040	IT2ISIZE	8	10
ITIHDIHD	0		IT2ITYPE	2	
ITIHIEYE	0	C4C9D5C9	IT2JDI2J	0	
ITIHNEXT	C		IT2JJCCT	6	
ITIH OHDR	8	14	IT2JJCLN	8	
ITIH SIZE	10	14	IT2JJCOS	4	
ITIH SYSI	10		IT2JLEN	0	0
ITIPDINT	0		IT2JMOD	3	

IAZJPITD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IT2JSIZE	8	A	JPITSVR1	B	100
IT2JTYPE	2		JPITSVR2	B	200
IT3CD3JC	0		JPITSZE	A0	A0
IT3CJCNM	0	40404040	JPITSZE1	98	98
IT3CSDEF	C		JPITSZE2	A0	A0
IT3CSDE2	14		JPITUSER	10	
IT3CSENB	8		JPITVERO	C	0
IT3CSEN2	10		JPIT1CLS	14	10
IT3CSIZE	14	18	JPIT1CLW	14	8
IT3GDEFG	8	80	JPIT1DOM	14	4
IT3GDG3I	0		JPIT1GRP	14	80
IT3GFLAG	8		JPIT1JES	14	2
IT3GLEN	0	C	JPIT1NAM	14	20
IT3GMOD	3		JPIT1NAS	14	40
IT3GSIZE	9	C	JPIT1WLM	14	1
IT3GTYPE	2				
IT3G3IBR	4				
IT3HDG3S	0				
IT3HLEN	0	A			
IT3HMOD	3				
IT3HSIZE	8	A			
IT3HTYPE	2				
IT3H3SLS	8				
IT3H3SNS	6				
IT3H3SOS	4				
IT3JDG3J	0				
IT3JJCCT	6				
IT3JJCLN	8				
IT3JJCOF	4				
IT3JLEN	0	A			
IT3JMOD	3				
IT3JSIZE	8	A			
IT3JTYPE	2				
IT3SAICT	C				
IT3SDICT	8				
IT3SDISY	0				
IT3SENBS	14	20			
IT3SFLAG	14				
IT3SJSIE	18				
IT3SMANA	14	80			
IT3SMANU	14	40			
IT3SSIZE	18	1C			
IT3SSYSN	0	40404040			
IT3SUICT	10				
JPITCVRL	B	2			
JPITCVRM	B	0			
JPITD	0				
JPITDPTR	68				
JPITFLG1	14				
JPITGNAM	18				
JPITLEN	8				
JPITMNAM	28				
JPITMNUM	9C				
JPITMPTR	98				
JPITNIG	6C				
JPITOVR#	C	200			
JPITOVR1	C	100			
JPITOVR2	C	200			
JPITSACT	38	4			
JPITSCLS	30				
JPITSDRD	38	40			
JPITSDRI	38	80			
JPITSHLD	38	10			
JPITSHLI	38	20			
JPITSINA	38	8			
JPITSNAM	20				
JPITSSID	0				
JPITSSTR	38	2			
JPITSTAT	38				
JPITSTRP	10				
JPITSVR	A				
JPITSVR#	B	200			
JPITSVRL	A				
JPITSVRM	B				

IAZJPLEX Information

IAZJPLEX Programming Interface information

Programming Interface information

IAZJPLEX

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

- JPLXSTBG
- JPLXSTCP
- JPLXSTHL
- JPLXSTNX
- JPLXSTOR
- JPLXSTPL
- JPLXSTRP
- JPLXSTSP
- JPLXSTTL
- JPLXSIZE1
- JPLXUSER
- JPXGENSZ
- JPXHDSZ
- JPX2SIZ
- JPX3SZ

End of Programming Interface information

IAZJPLEX Heading Information • IAZJPLEX Map

IAZJPLEX Heading Information

Common Name: JESplex Information Parameter List for SSI 82.
Macro ID: IAZJPLEX
DSECT Name: JPLEX
Owning Component: JES Common (SC141)
Eye-Catcher ID: JESPLEXI
 Offset: JPLXID
 Length: L'JPLXID
Storage Attributes: Subpool: Parameter List = Subpool of Caller Output Data = Subpool 230
 Key: Parameter List = Key of Caller Output Data = Key 1
 Residency: Virtual = 31 bit private storage real = 64 bit storage
Size: See JPLXSZE
Created by: caller of SSI function 'SSOBSSJP' = 82
Pointed to by: SSJPUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by programs to request JESplex Data from the JES subsystem.

IAZJPLEX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPLEX	
0	(0)	CHARACTER	8	JPLXID	I.Eye catcher
8	(8)	ADDRESS	2	JPLXLEN	I.Length of JPLEX parameter

Comment

There are two 2 byte versions for this SSOB extension. JPLXVER is the version provided by the caller. They indicate the level of the control block passed to the service. As new input fields are added to the service, the caller provided version indicates what the service is to consider valid.
 JPLXVERO is the version information returned from the service. This implies what fields the service actually examined and what data is returned. If the service is at a level higher than the level of the caller, JPLXVERO may be higher than JPLXVER. In this case, only the fields valid at the JPLXVER level are actually examined or set.
 The 2 bytes of version information is a 1 byte level number (changed only when a new release adds significant function) and a 1 byte modifier (changed only when function is added via service).

End of Comment

10	(A)	SIGNED	2	JPLXVER (0)	I.SSOB version
10	(A)	ADDRESS	1	JPLXVERL	I.SSOB version level
11	(B)	ADDRESS	1	JPLXVERM	I.SSOB version modifier
11	(B)	BITSTRING	0	JPLXV010	"X'0100" Initial version number of IAZJPLEX.
11	(B)	BITSTRING	0	JPLXV011	"X'0101" Active volume info
11	(B)	BITSTRING	0	JPLXV020	"X'0200" z/OS 1.13 version
11	(B)	BITSTRING	0	JPLXSVR#	"X'0200" Service version number of IAZJPLEX - Latest Version
11	(B)	X'2'	0	JPLXCVR L	"2" Current version level
11	(B)	X'0'	0	JPLXCVR M	"0" Current version modifier
12	(C)	SIGNED	2	JPLXVERO	O.Subsystem version/modifier
14	(E)	BITSTRING	2		Reserved.
16	(10)	SIGNED	4	JPLXUSER (0)	Placeholder. Do not use.

Comment

JPLXSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystem.

End of Comment

16	(10)	ADDRESS	4	JPLXSTRP	Storage management anchor. Points to a chain of JPLXSTOR structures.
----	------	---------	---	----------	--

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Begin input-only fields.					
NOTES: - Many of the filters only apply to JES2 or JES3. Each filter is denoted with what applies.					
End of Comment					
20	(14)	BITSTRING 1... .... .1...	1	JPLXFLTR JPLXFSNM JPLXFMNM	IS.Indicate desired filters "X'80" Filter on System Name "X'40" Filter on Member Name
21	(15)	BITSTRING	3		Reserved
24	(18)	BITSTRING 1... .... .1... .... ..1... .... ...1... 1... .... .1..	1	JPLXSTS1 JPLDRAIN JPLINITZ JPLXACTV JPLDRING JPLOUDEF JPLNATCH	Composite Status "X'80" Drained. (For Jes3 - it is a Down main) "X'40" Initializing (JES2 Only) "X'20" Active member "X'10" Draining Member (JES2 Only) "X'08" Omit Undefined Members (JES2 Only) "X'04" Not Attached (JES3 Only)
25	(19)	BITSTRING 1... .... .1... .... ..1... .... ...1... 1... .... .1..	1	JPLXSPEC JPLXINDP JPLXBOSS JPLXPRIM JPLXGLOB JPLXLOCL	IS.JES specific filters "B'10000000" Member is independent (JES2 Only) "B'01000000" Member is BOSS (JES2 only) "B'00100000" Member is primary subsystem (JES2 only) "B'00010000" Global (J3 Only) "B'00001000" Local (J3 Only)
26	(1A)	BITSTRING	3		Reserved

Comment

NOTE: Each filter below is enabled via one of the bit settings above.

End of Comment					
29	(1D)	CHARACTER	8	JPLXSNAM	IS*.MVS System Name filter See JPLXFSNM bit
37	(25)	CHARACTER	8	JPLXMNAM	IS*.Member Name filter See JPLXFMNM bit
45	(2D)	BITSTRING	3		Reserved
48	(30)	SIGNED	4	(10)	Reserved for future use

Comment

Begin output-only fields.

End of Comment					
88	(58)	ADDRESS	4	JPLXLPTR	O.Pointer to first Member (JPXHDR) data buffer.
92	(5C)	SIGNED	4	JPLXNMBR	O.Number of Member (JPXHDR) data buffers returned.
96	(60)	SIGNED	8	JPLXTRKT	O.Total Spool Tracks Defined
104	(68)	SIGNED	8	JPLXTRKU	O.Spool Tracks used.
112	(70)	SIGNED	8	JPLXTRAT	O.Total Active Spool Tracks Defined
120	(78)	SIGNED	8	JPLXTRAU	O.Active Spool Tracks used.
128	(80)	SIGNED	4	(6)	Reserved for future use
128	(80)	X'98'	0	JPLXSZE1	""-JPLEX" Fix parameter End: Ver 1
128	(80)	X'98'	0	JPLXSZE2	""-JPLEX" Fix parameter End: Ver 2
128	(80)	X'98'	0	JPLXSZE	""-JPLEX" JPLX Current version fixed parameter length

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPLXSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	JPLXSTID	Eyecatcher
8	(8)	ADDRESS	2	JPLXSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	JPLXSTSP	Subpool of area
12	(C)	X'E6'	0	JPLXSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	JPLXSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	JPLXSTNX	Pointer to next area
20	(14)	ADDRESS	4	JPLXSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	JPLXSTBG (0)	Start of data area
24	(18)	X'18'	0	JPLXSTSZ	"(JPLXSTBG-JPLXSTOR)" JPLXSTOR length

IAZJPLEX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXHDR	, JESplex Header Section
0	(0)	CHARACTER	8	JPXEYE	Eye catcher
8	(8)	ADDRESS	2	JPXOPRF	Offset to prefix section
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	ADDRESS	4	JPXNXT	Address of next JESplex
16	(10)	ADDRESS	4		Reserved for future use
16	(10)	X'14'	0	JPXHDSZ	**-"JPXHDR" Size of this section (Internal use only)

Comment

JESplex Section Identifiers

End of Comment

....	....			JPXIDPRF	"X'00" JESplex Info - Prefix
....	...1			JPXIDGEN	"X'01" JESplex Info - General
....	..1.			JPXIDJS2	"X'02" JESplex Info - JES2
....	..11			JPXIDJS3	"X'03" JESplex Info - JES3
....	.1..			JPXIDPFX	"X'04" JESplex Info - Cmd Prefix

Comment

JESplex Section Modifiers

End of Comment

....			JPXIMGEN	"X'00" Modifier - General
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXPREF	, JESplex Prefix
0	(0)	ADDRESS	2	JPXPRLN	Length of entire JESplex entry (Max value is 65535) returned - other than hdr
2	(2)	ADDRESS	1	JPXPRT	Type = Prefix Section
3	(3)	ADDRESS	1	JPXPRMD	Type Mod = General
3	(3)	X'4'	0	JPXPRSZ	**-"JPXPREF" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXGENI	, JESplex General Information.
0	(0)	ADDRESS	2	JPXGLN	Length of this section
2	(2)	ADDRESS	1	JPXGTY	Type = General Info
3	(3)	ADDRESS	1	JPXGMD	Type Mod = General
4	(4)	CHARACTER	4	JPXSBSNM	Subsystem name
8	(8)	DBL WORD	8	JPXSTIME	Date/Time of last start STCK format
16	(10)	BITSTRING	1	JPXSTAT1	Member status
16	(10)	X'0'	0	JPXUNDEF	"0" Not defined
16	(10)	X'1'	0	JPXDRAIN	"1" Drained Member
16	(10)	X'2'	0	JPXINITZ	"2" Initializing (J2 Only)
16	(10)	X'3'	0	JPXACTIV	"3" Active member
16	(10)	X'4'	0	JPXDRING	"4" Draining Member (J2 Only)
16	(10)	X'5'	0	JPXNATCH	"5" Not Attached (J3 Only)
17	(11)	CHARACTER	32	JPXSTATC	Current Status (character string)
49	(31)	CHARACTER	8	JPXMVSNM	MVS system name
57	(39)	CHARACTER	8	JPXMEMNM	JES Member Name
65	(41)	CHARACTER	8	JPXVERSN	Version of Product (character)
73	(49)	CHARACTER	8	JPXSMFID	SMF ID
81	(51)	BITSTRING	1	JPXSYSLG	Syslog Indicator
		1... ..		JPXSLOGY	"X'80" Release 11 syslog support is active for this member
82	(52)	SIGNED	2	JPXMEMNO	JES Member Number
84	(54)	SIGNED	1	JPXSTYPT	Type of last start
84	(54)	X'A'	0	JPXCOLD	"10" COLD START
84	(54)	X'B'	0	JPX2COLF	"11" COLD START with format
84	(54)	X'14'	0	JPXWARM	"20" WARM START
84	(54)	X'15'	0	JPX2SRMS	"21" SINGLE MEMBER WARM START
84	(54)	X'19'	0	JPX3WRMD	"25" JES3 WARM START TO REPLACE A SPOOL DATASET
84	(54)	X'1A'	0	JPX3WRMA	"26" JES3 WARM START WITH ANALYSIS
84	(54)	X'1B'	0	JPX3WDA	"27" JES3 WARM START TO REPLACE A SPOOL DATASET WITH ANALYSIS.
84	(54)	X'1E'	0	JPXHOT	"30" HOT START
84	(54)	X'23'	0	JPX3HOTR	"35" JES3 HOT START WITH REFRESH.
84	(54)	X'24'	0	JPX3HOTA	"36" JES3 HOT START WITH ANALYSIS
84	(54)	X'25'	0	JPX3HTRA	"37" JES3 HOT START WITH REFRESH AND ANALYSIS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	X'28'	0	JPX2QUIK	"40" QUICK START
84	(54)	X'32'	0	JPX3LCL	"50" JES3 LOCAL START
85	(55)	BITSTRING	1	JPXPRODL	Product Level (binary)
86	(56)	BITSTRING	1	JPXSERVL	Service Level
87	(57)	BITSTRING	1		Reserved for future use
87	(57)	X'58'	0	JPXGENSZ	**-JPXGENI" Size of this section (Internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXJES3I	, JESplex JES3-specific information
0	(0)	ADDRESS	2	JPX3LN	Section length
2	(2)	ADDRESS	1	JPX3TY	Type = JES3 Info
3	(3)	ADDRESS	1	JPX3MD	Type Mod = General
4	(4)	SIGNED	4		Reserved for future use
8	(8)	DBL WORD	8	JPX3GCON	Last global contact time
16	(10)	SIGNED	2	JPX3TRK1	Primary track group allocation
18	(12)	SIGNED	2	JPX3TRK2	Secondary track group allocation
20	(14)	SIGNED	2	JPX3WTOL	WTO message limit
22	(16)	SIGNED	2	JPX3WTOI	WTO message interval (seconds)
24	(18)	SIGNED	2	JPX3CSA	PBUF CSA limit
26	(1A)	SIGNED	2	JPX3AUX	PBUF JES3AUX limit
28	(1C)	SIGNED	2	JPX3FIX	Fixed PBUFS
30	(1E)	SIGNED	2	JPX3USR	User pages per open SYSOUT dataset
32	(20)	CHARACTER	8	JPX3SELM	Selection mode name
40	(28)	CHARACTER	8	JPX3SPL	Spool partition name
48	(30)	CHARACTER	11	JPX3MPFX	Message prefix
59	(3B)	CHARACTER	3	JPX3MDST	Message destination (M1-M32 or 1-28, 41-128)
62	(3E)	BITSTRING	1	JPX3FLG1	Flag byte
		1...		JPX3GBL	"B'10000000" Global node
		.1.		JPX3ONL	"B'01000000" Online
		..1.		JPX3FLSH	"B'00100000" Flushed
		...1		JPX3CNN	"B'00010000" Connected
62	(3E)	X'30'	0	JPX3NCNN	"JPX3FLSH+JPX3CNN" Not connected
		.... 1...		JPX3DOWN	"B'00001000" Down
		.... .1..		JPX3ATT	"B'00000100" Attached
62	(3E)	X'C'	0	JPX3NATT	"JPX3DOWN+JPX3ATT" Not attached
63	(3F)	BITSTRING	1		Reserved
63	(3F)	X'40'	0	JPX3SZ	**-JPXJES3I" Size of this section (Internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXJES2I	, JESplex JES2 specific Information
0	(0)	ADDRESS	2	JPX2LN	Length of this section
2	(2)	ADDRESS	1	JPX2TY	Type = JES2 Info
3	(3)	ADDRESS	1	JPX2MD	Type Mod = General
4	(4)	BITSTRING	1	JPX2FLG1	JES2 Indicators
		1...		JPX21IND	"B'10000000" Independent Mode
		.1.		JPX21BOS	"B'01000000" BOSS Indicator
		..1.		JPX21PRI	"B'00100000" Primary subsystem Indicator
5	(5)	CHARACTER	3		padding for alignment
8	(8)	DBL WORD	8	JPX2ITIM	Time last accessed checkpoint
16	(10)	BITSTRING	1	JPX2FLG2	Current command being processed
		..1.		JPX21P	"B'00100000" \$P command
		...1		JPX21PXQ	"B'00010000" \$PXEQ Command
17	(11)	BITSTRING	3		Reserved
20	(14)	SIGNED	4	JPX2HOLD	Current setting MASDEF HOLD
24	(18)	SIGNED	4	JPX2MIND	Current setting MASDEF MIN DORMANCY
28	(1C)	SIGNED	4	JPX2MAXD	Current setting MASDEF MAX DORMANCY
32	(20)	SIGNED	4	JPX2SYNC	Current setting MASDEF SYNCTOL
36	(24)	SIGNED	4	JPX2AHL	Actual HOLD last checkpoint
40	(28)	SIGNED	4	JPX2ADRM	Actual DORMANCY last checkpoint
44	(2C)	CHARACTER	8	JPX2RSID	Name of member doing reset (reset by member - \$EMEMBER)
52	(34)	SIGNED	1	JPX2STAT	Specific status indicator
		1...		JPX2DOWN	"B'10000000" Down
		.1.		JPX2DEF	"B'01000000" DEFINED filter
		..1.		JPX2INU	"B'00100000" INUSE
		...1		JPX2FAIL	"B'00010000" FAILED
		.... ...1		JPX2UNDF	"X'01" Member UNDEFINED
		.... ..1.		JPX2UPND	"X'02" Member UNDEFINED-PENDING
52	(34)	X'63'	0	JPX2ACTV	"JPX2DEF+JPX2INU+X'03" Member ACTIVE

IAZJPLEX Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	X'C4'	0	JPX2INAC	"JPX2DEF+JPX2DOWN+X'04" Member TERMINATED
52	(34)	X'65'	0	JPX2INIT	"JPX2DEF+JPX2INU+X'05" Member INITIALIZING
52	(34)	X'66'	0	JPX2TERM	"JPX2DEF+JPX2INU+X'06" Member TERMINATING
52	(34)	X'D7'	0	JPX2JESF	"JPX2DEF+JPX2DOWN+JPX2FAIL+X'07" Memb JES2-FAILED
52	(34)	X'D8'	0	JPX2XCFF	"JPX2DEF+JPX2DOWN+JPX2FAIL+X'08" Memb JESXCF-FAILED
52	(34)	X'D9'	0	JPX2MVSG	"JPX2DEF+JPX2DOWN+JPX2FAIL+X'09" Memb MVS-GONE
52	(34)	X'6A'	0	JPX2DORM	"JPX2DEF+JPX2INU+X'0A" Member DORMANT (Never set)
52	(34)	X'CB'	0	JPX2DRAN	"JPX2DEF+JPX2DOWN+X'0B" Member DRAINED
52	(34)	X'DC'	0	JPX2ALIC	"JPX2DEF+JPX2DOWN+JPX2FAIL+X'0C" Member awaiting ALICE processing
53	(35)	BITSTRING	1	JPX2STA2	2nd status byte
		1... ..		JPX2EDEL	"B'10000000" Member deleted
		.1.		JPX2\$IND	"B'01000000" Member in independent mode
		..1.		JPX2SIOT	"B'00100000" SPIN IOT being purged
		...1		JPX2NMAL	"B'00010000" Member has two checkpoint datasets allocated
		.... 1...		JPX2EGON	"B'00001000" XCF system gone
		.... ..1.		JPX2PRIM	"B'00000010" Member is a primary subsystem
		.... ...1		JPX2SPLX	"B'00000001" Command Prefix has SYSplex scope
54	(36)	BITSTRING	2		Reserved for future use
54	(36)	X'38'	0	JPX2SIZ	""-JPXJES2!" Size of this section (Internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXCPREF	, JESplex command prefix information.
0	(0)	ADDRESS	2	JPXCLN	Length of this section
2	(2)	ADDRESS	1	JPXCTY	Type = Command Prefix
3	(3)	ADDRESS	1	JPXCMD	Type Mod = General
4	(4)	SIGNED	2	JPXPFXC	Command prefix count
6	(6)	ADDRESS	2	JPXPFXL	Command prefix entry length
8	(8)	ADDRESS	2	JPXPF XO	Offset to first entry
10	(A)	BITSTRING	2		Reserved
10	(A)	X'C'	0	JPXCSTZ	""-JPXCPREF" Size of this fixed portion of this section (Internal use only)
12	(C)	BITSTRING	1	JPXCARAY (0)	Start of variable length portion of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPXCPRFE	, Element of prefix array
0	(0)	BITSTRING	1	JPXCPF XS	Scope flags
		1... ..		JPXC SYSP	"X'80" SYSplex scope
		.1.		JPXC SYST	"X'40" System scope
1	(1)	CHARACTER	8	JPXCPF XP	Command prefix
1	(1)	X'9'	0	JPXCPF SZ	""-JPXCPRFE" Length of an array element

IAZJPLEX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JPLDRAIN	18	80	JPLXSPEC	19	0
JPLDRING	18	10	JPLXSTBG	18	
JPLEX	0		JPLXSTCP	14	
JPLINITZ	18	40	JPLXSTHL	8	
JPLNATCH	18	4	JPLXSTID	0	D1D7D3E7
JPLOUDEF	18	8	JPLXSTNX	10	
JPLXACTV	18	20	JPLXSTOR	0	
JPLXBOSS	19	40	JPLXSTPL	C	E6
JPLXCVRL	B	2	JPLXSTRP	10	
JPLXCVRM	B	0	JPLXSTSP	C	0
JPLXFLTR	14	0	JPLXSTSZ	18	18
JPLXFMNM	14	40	JPLXSTS1	18	
JPLXFSNM	14	80	JPLXSTTL	D	
JPLXGLOB	19	10	JPLXSVR#	B	200
JPLXID	0		JPLXSZE	80	98
JPLXINDP	19	80	JPLXSZE1	80	98
JPLXLEN	8		JPLXSZE2	80	98
JPLXLOCL	19	8	JPLXTRAT	70	0
JPLXLPTR	58		JPLXTRAU	78	0
JPLXMNAM	25	40404040	JPLXTRKT	60	0
JPLXNMBR	5C	0	JPLXTRKU	68	0
JPLXPRIM	19	20	JPLXUSER	10	
JPLXSNAM	1D	40404040	JPLXVER	A	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JPLXVERL	A		JPX2DORM	34	6A
JPLXVERM	B		JPX2DOWN	34	80
JPLXVERO	C	0	JPX2DRAN	34	CB
JPLXV010	B	100	JPX2EDEL	35	80
JPLXV011	B	101	JPX2EGON	35	8
JPLXV020	B	200	JPX2FAIL	34	10
JPXACTIV	10	3	JPX2FLG1	4	0
JPXCARAY	C		JPX2FLG2	10	0
JPXCLN	0	0	JPX2HOLD	14	0
JPXCMD	3		JPX2INAC	34	C4
JPXCOLD	54	A	JPX2INIT	34	65
JPXCPFSZ	1	9	JPX2INU	34	20
JPXCPFXP	1	40404040	JPX2ITIM	8	0
JPXCPFXS	0	0	JPX2JESF	34	D7
JPXCPREF	0		JPX2LN	0	38
JPXCPREF	0		JPX2MAXD	1C	0
JPXCSIZ	A	C	JPX2MD	3	
JPXCSYSP	0	80	JPX2MIND	18	0
JPXCSYST	0	40	JPX2MVSG	34	D9
JPXCTY	2		JPX2NMAL	35	10
JPXDRAIN	10	1	JPX2PRIM	35	2
JPXDRAIN	10	4	JPX2QUIK	54	28
JPXEYE	0	D1D7E7C8	JPX2RSID	2C	40404040
JPXGENI	0		JPX2SIOT	35	20
JPXGENSZ	57	58	JPX2SIZ	36	38
JPXGLN	0	58	JPX2SPLX	35	1
JPXGMD	3		JPX2SRMS	54	15
JPXGTY	2		JPX2STAT	34	0
JPXHDR	0		JPX2STA2	35	0
JPXHDSZ	10	14	JPX2SYNC	20	0
JPXHOT	54	1E	JPX2TERM	34	66
JPXIDGEN	10	1	JPX2TY	2	
JPXIDJS2	10	2	JPX2UNDF	34	1
JPXIDJS3	10	3	JPX2UPND	34	2
JPXIDPFX	10	4	JPX2XCFF	34	D8
JPXIDPRF	10	0	JPX21BOS	4	40
JPXIMGEN	10	0	JPX21IND	4	80
JPXINITZ	10	2	JPX21P	10	20
JPXJES2I	0		JPX21PRI	4	20
JPXJES3I	0		JPX21PXQ	10	10
JPXMEMNM	39	40404040	JPX3ATT	3E	4
JPXMEMNO	52	0	JPX3AUX	1A	0
JPXMVSNM	31	40404040	JPX3CNN	3E	10
JPXNATCH	10	5	JPX3CSA	18	0
JPXNXTTP	C		JPX3DOWN	3E	8
JPXOPRF	8	14	JPX3FIX	1C	0
JPXPFXC	4	0	JPX3FLG1	3E	0
JPXPFXL	6		JPX3FLSH	3E	20
JPXPFXO	8		JPX3GBL	3E	80
JPXPREF	0		JPX3GCON	8	0
JPXPRLN	0		JPX3HOTA	54	24
JPXPRMD	3		JPX3HOTR	54	23
JPXPRODL	55	0	JPX3HTRA	54	25
JPXPRSZ	3	4	JPX3LCL	54	32
JPXPRTTP	2		JPX3LN	0	40
JPXSBSNM	4	40404040	JPX3MD	3	
JPXSERVL	56	0	JPX3MDST	3B	404040
JPXSLOGY	51	80	JPX3MPFX	30	40404040
JPXSMFID	49	40404040	JPX3NATT	3E	C
JPXSTATC	11	40404040	JPX3NCNN	3E	30
JPXSTAT1	10	0	JPX3ONL	3E	40
JPXSTIME	8	0	JPX3SELM	20	40404040
JPXSTYPE	54	0	JPX3SPL	28	40404040
JPXSYSLG	51		JPX3SZ	3F	40
JPXUNDEF	10	0	JPX3TRK1	10	0
JPXVERSN	41	40404040	JPX3TRK2	12	0
JPXWARM	54	14	JPX3TY	2	
JPX2\$IND	35	40	JPX3USR	1E	0
JPX2ACTV	34	63	JPX3WDA	54	1B
JPX2ADRM	28	0	JPX3WRMA	54	1A
JPX2AHL	24	0	JPX3WRMD	54	19
JPX2ALIC	34	DC	JPX3WTOI	16	0
JPX2COLF	54	B	JPX3WTOL	14	0
JPX2DEF	34	40			

IAZJPLXI Information

IAZJPLXI Programming Interface information

Programming Interface information

IAZJPLXI

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

- JPSYSESZ
- JPSYSIZE
- JPSYVERD

End of Programming Interface information

IAZJPLXI Heading Information • IAZJPLXI Map

IAZJPLXI Heading Information

Common Name:	System information section returned by a number of SSIs which have a JESplex-scope.
Macro ID:	IAZJPLXI
DSECT Name:	JPSYSPRF - DSECT for a prefix section JPSYSINF - DSECT for system information section JPSYSIFE - DSECT for a system entry in a system information section
Owning Component:	JES Common (SC141)
Eye-Catcher ID:	The eye-catcher for this section is provided by the higher-level data structure created by an SSI which returns this section. See documentation for a specific SSI. Offset: N/A Length: N/A
Storage Attributes:	Subpool: Storage for system information section is allocated by an SSI which returns this section. See documentation for a specific SSI. Key: See above. Residency: See above.
Size:	See below for sizes of individual DSECTS
Created by:	System information section is created by an SSI which returns this section.
Pointed to by:	See documentation for specific SSI.
Serialization:	None required
Function:	This macro provides the mapping of the system information section returned by the SSIs which have JESplex scope. The purpose of this section is to report basic information about systems (MAS members for JES2) which were processed to obtain data for a particular SSI call. SSIs which return this section, include: - NJE node information SSI (subfunction of SSI 82) - initiator information SSI (subfunction of SSI 82) - device information SSI (SSI 83)

IAZJPLXI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPSYSPRF	, Prefix section
0	(0)	ADDRESS	2	JPSYXLNG	Total length of all sections for this header (header itself is not included)
2	(2)	ADDRESS	1	JPSYXTYP	Section type
3	(3)	ADDRESS	1	JPSYXMOD	Section type modifier
3	(3)	X'4'	0	JPSYXSIZ	""-JPSYSPRF" Prefix section size

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPSYSINF	, System information section
0	(0)	ADDRESS	2	JPSYLNNG	Length of this section, including all system entries
2	(2)	ADDRESS	1	JPSYTYPE	Section type
3	(3)	ADDRESS	1	JPSYMOD	Section type modifier
4	(4)	ADDRESS	2	JPSYOENT	Offset to first entry
6	(6)	ADDRESS	2	JPSYNENT	Number of entries
8	(8)	ADDRESS	2	JPSYSENT	Size of each entry
10	(A)	BITSTRING	2		Reserved
10	(A)	X'C'	0	JPSYSIZE	""-JPSYSINF" Size of system information section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPSYSIFE	, System information entry
0	(0)	CHARACTER	8	JPSYSYSN	MVS system name
8	(8)	CHARACTER	8	JPSYMBRN	JES2 MAS member name
16	(10)	CHARACTER	4	JPSYSUBS	JES subsystem name
20	(14)	ADDRESS	1	JPSYCMCL	JES command prefix length
21	(15)	CHARACTER	8	JPSYCMCH	JES command prefix
29	(1D)	CHARACTER	8	JPSYVERN	Version of JES
37	(25)	BITSTRING	1	JPSYFLAG	Processing flags:
		1...		JPSYFPRC	"B'10000000" data processed for this system (JES2)
		.1..		JPSYFNDD	"B'01000000" no data returned for this system because no data was available or no data matched the filters(JES2)
		..1.		JPSYFSUP	"B'00100000" no data returned for this system - not supported (JES2)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		JPSYFINA	"B'00010000" no data returned for this system - not active or cannot be reached (JES2)
		.... 1...		JPSYFGLB	"B'00001000" global system in a complex (JES3)
		.... .1..		JPSYFPRI	"B'00000100" primary subsystem
		.... ..1.		JPSYFPXQ	"B'00000010" \$PXEQ issued on this member (JES2)
		.... ...1		JPSYFERR	"B'00000001" error accessing data from the system
38	(26)	BITSTRING	2	JPSYVERD	Version of the data returned from this system (JES2) (for diagnostic purposes only)
40	(28)	SIGNED	2	JPSYMBNR	JES2 MAS member number
42	(2A)	SIGNED	1	JPSYJ2PL	JES product level
43	(2B)	SIGNED	1	JPSYJ2SL	JES service level
43	(2B)	X'2C'	0	JPSYSESZ	"-JPSYSIFE" Size of system information entry (internal use only)

IAZJPLXI Cross Reference

Name	Hex Offset	Hex Value
JPSYCMCH	15	
JPSYCMCL	14	
JPSYFERR	25	1
JPSYFGLB	25	8
JPSYFINA	25	10
JPSYFLAG	25	
JPSYFNDDT	25	40
JPSYFPRC	25	80
JPSYFPRI	25	4
JPSYFPXQ	25	2
JPSYFSUP	25	20
JPSYJ2PL	2A	
JPSYJ2SL	2B	
JPSYLNQ	0	
JPSYMBNR	28	
JPSYMBRN	8	
JPSYMOD	3	
JPSYNENT	6	
JPSYOENT	4	
JPSYSENT	8	
JPSYSESZ	2B	2C
JPSYSIFE	0	
JPSYSINF	0	
JPSYSIZE	A	C
JPSYSPRF	0	
JPSYSUBS	10	
JPSYSYSN	0	
JPSYTYPE	2	
JPSYVERD	26	
JPSYVERN	1D	
JPSYXLNG	0	
JPSYXMOD	3	
JPSYXSIZ	3	4
JPSYXTYP	2	

IAZJPNJN Information

IAZJPNJN Programming Interface information

Programming Interface information

IAZJPNJN

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

- NJNCsize
- NJNHsize
- NJNLSTRP
- NJNSAVL
- NJNSDATA
- NJNSEYE
- NJNSNEXT
- NJNSsize
- NJNSSTHL
- NJNSSTPL
- NJNSSTSP
- NJNSSTTL
- NJNSTOR
- NJSHsize
- N2NGsize
- N2NPESIZE
- N2NPSIZE
- N3NGsize
- N3NPESIZE
- N3NPSIZE

End of Programming Interface information

IAZJPNJN Heading Information • IAZJPNJN Map

IAZJPNJN Heading Information

Common Name: Parameters and data structures returned by NJE node information SSI (subfunction of SSI 82)
Macro ID: IAZJPNJN
DSECT Name: See below for DSECT names of individual data structures
Owning Component: JES Common (SC141)
Eye-Catcher ID: SSI parameter list - 'SSJPNJNL'
 See other DSECTs for the eye-catchers they use.
 Offset: NJNLEYE
 Length: L'NJNLEYE

Storage Attributes: Subpool: Parameter list - determined by caller Data structures returned by the SSI - 230
 Key: Parameter list - determined by caller Data structures returned by the SSI - key 1
 Residency: Virtual - anywhere in 31-bit private storage Real - anywhere in 64 bit storage

Size: See below for sizes of individual DSECTs
Created by: Parameter list - by SSI caller
 Data structures returned by the SSI - by SSI code
Pointed to by: SSJPUUSER in the SSOB extension for SSI 82
 (see IAZSSJP macro)
Serialization: None
Function: This macro provides the mapping of the data structures used by NJE node information SSI (subfunction of SSI 82):

- SSI parameter list
- data structures returned by the SSI
- storage areas managed by the SSI

The SSI returns information about NJE nodes managed by job entry subsystem.
 By default, SSI returns information only from the local system (the one where SSI was called).
 Options are provided to request information from other systems in a JESplex (MAS members for JES2).
 This SSI is supported by JES2 and JES3.

IAZJPNJN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NJNL	, NJE node SSI parameter list
0	(0)	CHARACTER	8	NJNLEYE	I.Eye-catcher
8	(8)	ADDRESS	2	NJNLLNG	I.Length of parameter list
10	(A)	BITSTRING	2	NJNLVRM (0)	I.Parm list ver/mod
10	(A)	BITSTRING	1	NJNLVER	I.Parm list version
11	(B)	BITSTRING	1	NJNLMOD	I.Parm list modification
11	(B)	X'1'	0	NJNLVER1	"1" original version
11	(B)	X'0'	0	NJNLMOD0	"0" original modification
11	(B)	BITSTRING	0	NJNLVRM1	"X'0100" original ver/mod
11	(B)	BITSTRING	0	NJNLVRMC	"X'0100" latest ver/mod
12	(C)	BITSTRING	2	NJNLSVRM (0)	O.Subsystem ver/mod
12	(C)	BITSTRING	1	NJNLSVER	O.Subsystem version
13	(D)	BITSTRING	1	NJNLSMOD	O.Subsystem modification
13	(D)	X'1'	0	NJNLSVR1	"1" original version
13	(D)	X'2'	0	NJNLSVR2	"2" version 2
13	(D)	X'0'	0	NJNLSMD0	"0" original modification
13	(D)	BITSTRING	0	NJNLSVM1	"X'0100" original ver/mod
13	(D)	BITSTRING	0	NJNLSVM2	"X'0200" ver/mod 2
13	(D)	BITSTRING	0	NJNLSVMC	"X'0200" latest ver/mod
14	(E)	BITSTRING	1		Reserved
15	(F)	BITSTRING	1	NJNLOPT1	I.Processing options:
		1...		NJNLODMC	"B'10000000" perform security label dominance check (this check is always performed for non-authorized callers) (JES2)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
<p>The following fields specify filters which can be used to limit output to a subset of available data. Implicit OR is performed between filters which apply to the same node attribute. E.g. if both NJNL1SSG and NJNL1CSG are selected, SSI will return NJE nodes which are defined with compatible signon in addition to NJE nodes which are defined with a secure signon. Implicit AND is performed between filters which apply to the different node attributes. E.g. if both NJNL1NAM and NJNL1SNA filters are selected, SSI will return NJE nodes with the names matching NJNLNOD1 field and which are at the same time connected via SNA protocol. If filter is not recognized (e.g. filter added in a future release), or does not apply, it will not have impact on the result of the SSI call. E.g. JES3-only filters will not have impact on SSI output from JES2.</p>					
End of Comment					
16	(10)	BITSTRING 1... .... .1. .... ..1. .... ...1 1... .... .1.. .... .1.. .... ...1	1	NJNLFLT1 NJNL1NAM NJNL1RNG NJNL1SSG NJNL1CSG NJNL1NET NJNL1SNA NJNL1BSC NJNL1TCP	IS.Filter by node attributes (1): "B'10000000" select by node name (see NJNLNOD1) "B'01000000" select by range of node numbers (JES2) (see NJNLRNGL and NJNLRNGH) "B'00100000" select nodes with secure signon "B'00010000" select nodes with compatible signon "B'00001000" select by subnet name (JES2) (see NJNLSUBN) "B'00000100" select nodes using SNA protocol (JES3) "B'00000010" select nodes using BSC protocol (JES3) "B'00000001" select nodes using TCP protocol (JES3)
17	(11)	BITSTRING 1... .... .1. .... ..1.	1	NJNLFLT2 NJNL2PMY NJNL2PMN NJNL2TLS	IS.Filter by node attributes (2): "B'10000000" select nodes managed by path manager (JES2) "B'01000000" select nodes not managed by path manager (JES2) "B'00100000" select nodes using secure sockets (TLS) (JES3)
18	(12)	BITSTRING 1... .... ..1. .... ...1 1... .... .1.. .... .1..	1	NJNLFLTC NJNLCOWN NJNLCADJ NJNLCDIR NJNLCNC NJNLCNCN NJNLCPDN NJNLCVIA	IS.Filter by connection status: "B'10000000" select only local (own or home) node - this filter should not be used with any other connection filter "B'01000000" select adjacent nodes - adjacent node is one hop away from the local node "B'00100000" select directly attached nodes - these are adjacent nodes which use dedicated lines "B'00010000" select connected (reachable) nodes - JES is ready to send data to connected nodes "B'00001000" select not connected nodes - node is configured but JES is not able to communicate with it "B'00000100" select nodes pending connection "B'00000010" select nodes connected via specified adjacent node (see NJNLNOD2)
19	(13)	BITSTRING 1... .... .1. .... ..1. .... ...1 1... .... .1.. .... .1.. .... ...1	1	NJNLFLTA NJNLADCY NJNLADCN NJNLAJCY NJNLAJCN NJNLANCY NJNLANCN NJNLASCY NJNLASCN	IS.Filter by node authority: (JES2) "B'10000000" with authority to device cmds "B'01000000" without authority to device cmds "B'00100000" with authority to job cmds "B'00010000" without authority to job cmds "B'00001000" with authority to net cmds "B'00000100" without authority to net cmds "B'00000010" with authority to system cmds "B'00000001" without authority to system cmds

IAZJPNJN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>Filter by the system name or JES2 member name of the system(s) in the JESplex, which should be processed for the data. If none of these filters are specified, SSI will only return data from the system where SSI was called. To request information from other systems (or members) in a JESplex, specify system or member selection filter.</p>					
End of Comment					
20	(14)	BITSTRING 1... .... .1...	1	NJNLFLTS NJNLSSYS NJNLSMBR	IS.System/member selection: "B'10000000" use system selection filter (see NJNLSSYS) (JES2) "B'01000000" use member selection filter (see NJNLSMBR) (JES2)
21	(15)	BITSTRING	3		Reserved
24	(18)	SIGNED	4	(0)	IS.Node number range (used with NJNL1RNG) (JES2)
24	(18)	SIGNED	4	NJNLRNGL	node number range low
28	(1C)	SIGNED	4	NJNLRNGH	node number range high
32	(20)	CHARACTER	8	NJNLNOD1	IS*.Node name for selection (used with NJNL1NAM)
40	(28)	CHARACTER	8	NJNLNOD2	IS*.Node name for selection (used with NJNLCVIA)
48	(30)	CHARACTER	8	NJNLSUBN	IS*.Subnet name for selection (used with NJNL1NET) (JES2)
56	(38)	CHARACTER	8	NJNLSSYS	IS*.System name for selection (used with NJNLSSYS) (JES2)
64	(40)	CHARACTER	8	NJNLMBRN	IS*.JES2 MAS member name for selection (used with NJNLSMBR) (JES2)
72	(48)	SIGNED	4	(10)	Reserved
112	(70)	ADDRESS	4	NJNLDPTR	O.Ptr to data for first NJE node (see NJNHDR)
116	(74)	ADDRESS	4	NJNLMPTR	O.Ptr to first system/member data area (see NJSHDR) (JES2)
120	(78)	SIGNED	4	NJNLNUM	O.Number of NJE node data areas in a chain (see NJNLDPTR)
124	(7C)	SIGNED	4	NJNLNUM	O.Number of system/member data areas in a chain (see NJNLMPTR)

Comment

NJNLSTRP is an anchor for use by the subsystem that responds to this request.
 The caller must set this to zero on the first call and after that this field will be managed by subsystem.

End of Comment					
128	(80)	ADDRESS	4	NJNLSTRP	O.Storage management anchor
132	(84)	SIGNED	4	(10)	Reserved
132	(84)	X'AC'	0	NJNLSSZ1	**-.NJNL" Version 1 length
132	(84)	X'AC'	0	NJNLSSZ	**-.NJNL" Current version length

Comment

The following DSECTs define data structures returned by NJE node SSI.
 After successful call to the SSI, field NJNLDPTR points to a chain of data areas representing data for each NJE node.
 Data area for one NJE node consists of the following contiguous data structures:

- Header - (NJNHDR)
- Prefix section (NJNFPREF)
- Common section (NJNCMN)
- JES-dependent general data section
- optional detailed data sections

JES2 returns these sections:

- JES2 general data section (N2NGEN)
- optional JES2 path data section, (N2NPATH) which contains one or more JES2 path information entries (N2NPTE)

JES3 returns these sections:

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
- JES3 general data section (N3NGEN)					
- optional JES3 path data section, (N3NPATH)					
which contains one or more JES3 path information					
entries (N3NPTE)					
In addition, field NJNLMPTR points to a chain of					
system information data areas. One such data area					
is returned for each SSI call, provided that at					
least one system/member matches system and member					
selection filters. This data area returns basic					
data about systems (or members) in a JESplex,					
which were processed to obtain data for this SSI					
call.					
System information data area consists of the					
following contiguous data structures:					
- Header (NJSHDR)					
- Prefix section (JPSYSPRF in macro IAZJPLXI)					
- System information section					
(JPSYSINF in macro IAZJPLXI)					
Note that repeated calls to the "obtain data"					
subfunction of this SSI (SSJPNJOD) without					
intervening call to "release storage" subfunction					
(SSJPNJRS), will cause data from a new SSI call					
to be prepended to data from an earlier SSI call.					
Section types and modifiers					
					End of Comment
		NJNTYPRF	"X'00" Prefix section
1		NJNTYCMN	"X'01" Common section
1.		NJNTYJS2	"X'02" JES2-specific section
11		NJNTYJS3	"X'03" JES3-specific section
					Comment
Modifiers for the JES2 sections (NJNTYJS2)					
					End of Comment
1		NJNMDJ2G	"X'01" JES2 general data section
1.		NJNMDJ2P	"X'02" JES2 path data section
					Comment
Modifiers for the JES3 sections (NJNTYJS3)					
					End of Comment
1		NJNMDJ3G	"X'01" JES3 general data section
1.		NJNMDJ3P	"X'02" JES3 path data section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NJNHDR	, NJE node data header
0	(0)	CHARACTER	8	NJNHEYE	Eye-catcher
8	(8)	ADDRESS	2	NJNHODR	Offset to first section (prefix)
10	(A)	BITSTRING	2		Reserved
12	(C)	ADDRESS	4	NJHNEXT	Address of next header
16	(10)	ADDRESS	4	NJNHJPLX	Address of system information entry for this member
16	(10)	X'14'	0	NJNHSIZE	**-"NJNHDR" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NJNFPREF	, Prefix section
0	(0)	ADDRESS	2	NJNFLNG	Total length of all sections for this header (header itself is not included)
2	(2)	ADDRESS	1	NJNFTYPE	Section type
3	(3)	ADDRESS	1	NJNFMOD	Section type modifier
3	(3)	X'4'	0	NJNFSIZE	**-"NJNFPREF" Prefix section size

IAZJPNJN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NJNCMN	, NJE node common section
0	(0)	ADDRESS	2	NJNCLNG	Length of this section
2	(2)	ADDRESS	1	NJNCTYPE	Section type
3	(3)	ADDRESS	1	NJNCMOD	Section type modifier
4	(4)	CHARACTER	8	NJNCNAME	Node name
12	(C)	CHARACTER	8	NJNCSYSN	Name of the reporting system
20	(14)	CHARACTER	8	NJNCMBRN	MAS member name of the reporting system (JES2)
28	(1C)	BITSTRING	1	NJNCSFLG	Node status flags:
		1... ..		NJNCSLCL	"B'10000000" local node - also known as own or home node
		.1.		NJNCSLCL	"B'01000000" connected node (at least one path is connected)
		..1.		NJNCSLCL	"B'00100000" pending node (at least one path is pending)
		...1		NJNCSLCL	"B'00010000" adjacent node
		.... 1...		NJNCSLCL	"B'00001000" directly attached node
29	(1D)	BITSTRING	1	NJNCFLG1	Processing flags:
		1...		NJNC1SPW	"B'10000000" send signon password
		.1.		NJNC1VPW	"B'01000000" verify signon password
		..1.		NJNC1EPW	"B'00100000" encrypt job password
		...1		NJNC1PWL	"B'00010000" local password check (JES3)
		.... 1...		NJNC1SSG	"B'00001000" secure sign-on
		.... .1..		NJNC1CSG	"B'00000100" compatible sign-on
30	(1E)	BITSTRING	1	NJNCFLG2	More processing flags:
		1...		NJNC2TRC	"B'10000000" trace requested
		.1.		NJNC2RST	"B'01000000" autoconnect/restart
		..1.		NJNC2HDJ	"B'00100000" hold received jobs
		...1		NJNC2HDS	"B'00010000" hold received SYSOUT
31	(1F)	BITSTRING	1		Reserved
32	(20)	CHARACTER	10	NJNCLINE	Associated line name: dedicated line (JES2) default line (JES3)
42	(2A)	SIGNED	2	NJNCRINT	Automatic restart (reconnect) interval - minutes
44	(2C)	SIGNED	2	NJNCRETR	Max number of reconnection retries (0 - indefinite retry)
46	(2E)	CHARACTER	8	NJNCSECL	Security label (JES2)
54	(36)	BITSTRING	2		Reserved
54	(36)	X'38'	0	NJNCsize	"*-NJNCMN" NJE node common section size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	N2NGEN	, JES2 general data section
0	(0)	ADDRESS	2	N2NGLNG	Length of this section
2	(2)	ADDRESS	1	N2NGTYPE	Section type
3	(3)	ADDRESS	1	N2NGMOD	Section type modifier
4	(4)	SIGNED	4	N2NGNUM	Node number
8	(8)	BITSTRING	1	N2NGSFLG	Node status flags:
		1... ..		N2NGSPMD	"B'10000000" path manager is down
		.1.		N2NGSNOP	"B'01000000" non path manager mode
		..1.		N2NGSEND	"B'00100000" end node (no forwarding)
		...1		N2NGSPRV	"B'00010000" private node
		.... 1...		N2NGSDIR	"B'00001000" only allow direct connection
9	(9)	BITSTRING	1	N2NGFLG1	Processing flags:
		1...		N2NG1ADV	"B'10000000" authority to device cmds
		.1.		N2NG1AJB	"B'01000000" authority to job cmds
		..1.		N2NG1ANT	"B'00100000" authority to net cmds
		...1		N2NG1ASY	"B'00010000" authority to system cmds
		.... 1...		N2NG1XMJ	"B'00001000" transmit jobs
		.... .1..		N2NG1XMS	"B'00000100" transmit sysout
		.... ..1.		N2NG1RCJ	"B'00000010" receive jobs
		.... ...1		N2NG1RCS	"B'00000001" receive sysout
10	(A)	BITSTRING	1	N2NGFLG2	More processing flags:
		1...		N2NG2ARS	"B'10000000" accept resistance
11	(B)	BITSTRING	1	N2NGCMPT	Compaction table id
12	(C)	SIGNED	4	N2NGREST	Node resistance
16	(10)	CHARACTER	8	N2NGSUBN	NJE subnet name
24	(18)	CHARACTER	8	N2NGLOGM	VTAM logmode
32	(20)	CHARACTER	10	N2NGLOGN	Logon device name
42	(2A)	CHARACTER	10	N2NGSVN	NETSRV name
52	(34)	BITSTRING	3	N2NGLNID	Binary device id for NJNCLINE
55	(37)	BITSTRING	3	N2NGLGID	Binary device id for N2NGLOGN
58	(3A)	BITSTRING	3	N2NGNSID	Binary device id for N2NGSVN
61	(3D)	BITSTRING	3		Reserved
61	(3D)	X'40'	0	N2NGsize	"*-N2NGEN" JES2 general data section size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	N2NPATH	, JES2 path information section
0	(0)	ADDRESS	2	N2NPLNG	Length of this section including all path entries
2	(2)	ADDRESS	1	N2NPYPE	Section type
3	(3)	ADDRESS	1	N2NPMOD	Section type modifier
4	(4)	ADDRESS	2	N2NPOENT	Offset to first entry
6	(6)	ADDRESS	2	N2NPNENT	Number of entries
8	(8)	ADDRESS	2	N2NPSENT	Size of each entry
10	(A)	BITSTRING	2		Reserved
10	(A)	X'C'	0	N2NPSIZE	**-N2NPATH" JES2 path information section size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	N2NPTE	, JES2 path information entry
0	(0)	BITSTRING	1	N2NPSFLG	Path status flags:
		1.. ..		N2NPSVLN	"B'10000000" connected via line
		.1.		N2NPSVMB	"B'01000000" connected via member
		..1.		N2NPSAWR	"B'00100000" awaiting reset
		...1		N2NPSSGN	"B'00010000" signon in progress
		.... 1..		N2NPSPND	"B'00001000" connection pending
1	(1)	BITSTRING	1		Reserved

Comment

Intermediate node name when path status is:
"connected via line" (N2NPSVLN),
"connection pending" (N2NPSPND),
"awaiting reset" (N2NPSAWR)

End of Comment

2	(2)	CHARACTER	8	N2NPNAM1	Via node name
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Comment

Associated line name if path status is
"connected via line" (N2NPSVLN) or
"signon in progress" (N2NPSSGN)
Associated member if path status is
"connected via member N2NPSVMB or
"connection pending" (N2NPSPND)

End of Comment

10	(A)	CHARACTER	10	N2NPNAM2	Associated line/member name
20	(14)	SIGNED	4	N2NPREST	Path resistance
20	(14)	X'18'	0	N2NPESZE	**-N2NPTE" JES2 path entry size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	N3NGEN	, JES3 general data section
0	(0)	ADDRESS	2	N3NGLNG	Length of this section
2	(2)	ADDRESS	1	N3NGTYPE	Section type
3	(3)	ADDRESS	1	N3NGMOD	Section type modifier
4	(4)	BITSTRING	1	N3NGSFLG	Node connection status:
		1.. ..		N3NGSSNA	"B'10000000" connected via SNA
		.1.		N3NGSBSC	"B'01000000" connected via BSC
		..1.		N3NGSTCP	"B'00100000" connected via TCP
		...1		N3NGSIND	"B'00010000" indirect node
		.... 1..		N3NGSALS	"B'00001000" alias of home node
		.... .1..		N3NGSCTC	"B'00000100" CTC node
		.... .1.		N3NGSSGS	"B'00000010" send signature
		.... ...1		N3NGSSGV	"B'00000001" verify signature
5	(5)	BITSTRING	1	N3NGFLG1	Processing flags:
		1.. ..		N3NG1DFC	"B'10000000" default class
		.1.		N3NG1XNR	"B'01000000" writer name is required to hold SYSOUT for external writer
		..1.		N3NG1NTH	"B'00100000" net hold
		...1		N3NG1TLS	"B'00010000" secure socket (TLS)

IAZJPNJN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
6	(6)	BITSTRING	1	N3NGEPR	NETPR
7	(7)	BITSTRING	1	N3NGEPU	NETPU
8	(8)	ADDRESS	2	N3NGBUFS	Buffer size
10	(A)	CHARACTER	8	N3NGPRCL	PRTDEF class
18	(12)	CHARACTER	8	N3NGTSCL	PRTTSO class
26	(1A)	CHARACTER	8	N3NGXWCL	PRTXWTR class
34	(22)	CHARACTER	8	N3NGPUCL	PUNDEF class
42	(2A)	CHARACTER	8	N3NGPART	Spool partition
50	(32)	CHARACTER	8	N3NGBDTI	Bulk data transfer (BDT) id
58	(3A)	BITSTRING	1	N3NGSTRM	Stream
59	(3B)	BITSTRING	1	N3NGMAXL	Max number of lines
60	(3C)	ADDRESS	1	N3NGNRJT	Number of job transmitters
61	(3D)	ADDRESS	1	N3NGNRJR	Number of job receivers
62	(3E)	ADDRESS	1	N3NGNROT	Number of output transmitters
63	(3F)	ADDRESS	1	N3NGNROR	Number of output receivers
63	(3F)	X'40'	0	N3NGSIZE	**-N3NGEN" JES3 general data section size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	N3NPATH	, JES3 path information section
0	(0)	ADDRESS	2	N3NPLNG	Length of this section
2	(2)	ADDRESS	1	N3NPITYPE	Section type
3	(3)	ADDRESS	1	N3NPMOD	Section type modifier
4	(4)	ADDRESS	2	N3NPOENT	Offset to first entry
6	(6)	ADDRESS	2	N3NPNENT	Number of entries
8	(8)	ADDRESS	2	N3NPSENT	Size of each entry
10	(A)	BITSTRING	2		Reserved
10	(A)	X'C'	0	N3NPSIZE	**-N3NPATH" JES3 path information section size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	N3NPTEEN	, JES3 path information entry
0	(0)	CHARACTER	8	N3NPNNAM	Node name
0	(0)	X'8'	0	N3NPESIZE	**-N3NPTEEN" JES3 path entry size (internal use)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NJSHDR	, System information header
0	(0)	CHARACTER	8	NJSHEYE	Eye-catcher
8	(8)	ADDRESS	2	NJSHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	2		Reserved
12	(C)	ADDRESS	4	NJSHNEXT	Address of next header
12	(C)	X'10'	0	NJSHSIZE	**-NJSHDR" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NJNSTOR	, Storage management header
0	(0)	CHARACTER	8	NJNSEYE	Eye-catcher
8	(8)	ADDRESS	2	NJNSSTHL	Length of header
10	(A)	BITSTRING	2		Reserved
12	(C)	BITSTRING	1	NJNSSTSP	Subpool of this storage block
12	(C)	X'E6'	0	NJNSSTPL	"230" Recommended subpool to use
13	(D)	BITSTRING	3	NJNSSTTL	Total length of this storage block (including this header)
16	(10)	ADDRESS	4	NJNSNEXT	Pointer to next storage management header
20	(14)	ADDRESS	4	NJNSAVL	Pointer to first available byte
24	(18)	ADDRESS	4	NJNSDATA (0)	Start of data in the block
24	(18)	X'18'	0	NJNSSIZE	**-NJNSTOR"

IAZJPNJN Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
N2NGNUM	4		N3NPESZE	0	8
N2NGREST	C		N3NPLNG	0	
N2NGSDIR	8	8	N3NPMOD	3	
N2NGSEND	8	20	N3NPONENT	6	
N2NGSFLG	8		N3NPNAM	0	
N2NGSIZE	3D	40	N3NPOENT	4	
N2NGSNOP	8	40	N3NPSENT	8	
N2NGSPMD	8	80	N3NPSIZE	A	C
N2NGSPRV	8	10	N3NPSTEN	0	
N2NGSUBN	10		N3NPSTYPE	2	
N2NGTYPE	2				
N2NG1ADV	9	80			
N2NG1AJB	9	40			
N2NG1ANT	9	20			
N2NG1ASY	9	10			
N2NG1RCJ	9	2			
N2NG1RCS	9	1			
N2NG1XMJ	9	8			
N2NG1XMS	9	4			
N2NG2ARS	A	80			
N2NPATH	0				
N2NPESZE	14	18			
N2NPLNG	0				
N2NPMOD	3				
N2NPNAM1	2				
N2NPNAM2	A				
N2NPONENT	6				
N2NPOENT	4				
N2NPREST	14				
N2NPSAWR	0	20			
N2NPSENT	8				
N2NPSFLG	0				
N2NPSIZE	A	C			
N2NPSPND	0	8			
N2NPSSGN	0	10			
N2NPSVLN	0	80			
N2NPSVMB	0	40			
N2NPSTEN	0				
N2NPSTYPE	2				
N3NGBDTI	32				
N3NGBUFS	8				
N3NGEN	0				
N3NGEPR	6				
N3NGEPU	7				
N3NGFLG1	5				
N3NGLNG	0				
N3NGMAXL	3B				
N3NGMOD	3				
N3NGNRJR	3D				
N3NGNRJT	3C				
N3NGNROR	3F				
N3NGNROT	3E				
N3NGPART	2A				
N3NGPRCL	A				
N3NGPUCL	22				
N3NGSALS	4	8			
N3NGSBSC	4	40			
N3NGSCTC	4	4			
N3NGSFLG	4				
N3NGSIND	4	10			
N3NGSIZE	3F	40			
N3NGSSGS	4	2			
N3NGSSGV	4	1			
N3NGSSNA	4	80			
N3NGSTCP	4	20			
N3NGSTRM	3A				
N3NGTSCL	12				
N3NGTYPE	2				
N3NGXWCL	1A				
N3NG1DFC	5	80			
N3NG1NTH	5	20			
N3NG1TLS	5	10			
N3NG1XNR	5	40			
N3NPATH	0				

IAZJPSPL Information

IAZJPSPL Programming Interface information

Programming Interface information

IAZJPSPL

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

- JPSPSTBG
- JPSPSTCP
- JPSPSTHL
- JPSPSTID
- JPSPSTNX
- JPSPSTOR
- JPSPSTPL
- JPSPSTRP
- JPSPSTSP
- JPSPSTTL
- JPSPUSER
- SPEGENIS
- SPEHDSZ
- SPEJ2AES
- SPEJ2AIS
- SPEJ2IS
- SPEJ2MIS
- SPEJ3IS
- SPPGENSZ
- SPPHDSZ
- SPPJ3SIZ

End of Programming Interface information

IAZJPSPL Heading Information • IAZJPSPL Map

IAZJPSPL Heading Information

Common Name: JES Spool Information Parameter List
Macro ID: IAZJPSPL
DSECT Name: JPSPL
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'JPSPOLD'
 Offset: JPSPSSID
 Length: L'JPSPSSID
Storage Attributes: Subpool: Parameter List = Subpool of Caller Output Data = Subpool 230
 Key: Parameter List = Key of Caller Output Data = Key 1
 Residency: Virtual = 31 bit private storage Real = 64 bit private storage
Size: See JPSPSIZE
Created by: caller of SSI function 'SSOBSSJP' = 82
Pointed to by: SSJPUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by programs to request Spool Data from the JES subsystem.

IAZJPSPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPSPL	
0	(0)	CHARACTER	8	JPSPSSID	I.Eye catcher
8	(8)	ADDRESS	2	JPSPLEN	I.Length of JPSPL parameter list

Comment

There are two 2 byte versions for this SSOB extension. JPSPVER is the version provided by the caller. They indicate the level of the control block passed to the service. As new input fields are added to the service, the caller provided version indicates what the service is to consider valid.
 JPSPVERO is the version information returned from the service. This implies what fields the service actually examined and what data is returned. If the service is at a level higher than the level of the caller, JPSPVERO may be higher than JPSPVER. In this case, only the fields valid at the JPSPVER level are actually examined or set.
 The 2 bytes of version information is a 1 byte level number (changed only when a new release adds significant function) and a 1 byte modifier (changed only when function is added via service).

End of Comment

10	(A)	SIGNED	2	JPSPVER (0)	I.SSOB version
10	(A)	ADDRESS	1	JPSPVERL	I.SSOB version level
11	(B)	ADDRESS	1	JPSPVERM	I.SSOB version modifier
11	(B)	BITSTRING	0	JPSPV010	"X'0100" Initial version number of IAZJPSPL.
11	(B)	BITSTRING	0	JPSPV011	"X'0101" Active volume info.
11	(B)	BITSTRING	0	JPSPV020	"X'0200" SPOOL Migration, additional active volume info.
11	(B)	BITSTRING	0	JPSPSVR#	"X'0200" Service version number of IAZJPSPL - Latest Version
11	(B)	X'2'	0	JPSPCVRL	"2" Current version level
11	(B)	X'0'	0	JPSPCVRM	"0" Current version modifier
12	(C)	SIGNED	2	JPSPVERO	O.Subsystem version/modifier
14	(E)	BITSTRING	2		Reserved.
16	(10)	SIGNED	4	JPSPUSER (0)	Placeholder. Do not use.

Comment

JPSPSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystem.

End of Comment

16	(10)	ADDRESS	4	JPSPSTRP	Storage management anchor. Points to a chain of JPSPSTOR structures.
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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Begin input-only fields.					
NOTES: - Many of the filters only apply to JES2 or JES3. Each filter is denoted with what applies.					
End of Comment					
20	(14)	BITSTRING	1	JPSPPARF	IS.Partition Filters
		1... ..		JPSPFULL	"B'10000000" Spool Partition is FULL (J3)
		.1.		JPSPPNM	"B'01000000" Use JPSPPNAM (partition name) as a filter (J3)
		..1.		JPSPALD	"B'00100000" Partition Allocation Allowed (J3)
		...1		JPSPNALD	"B'00010000" Partition Allocation Not Allowed (J3)
		.... 1...		JPSPLFTP	"B'00001000" This partition is the default (J3)
		.... .1..		JPSPIDTA	"B'00000100" Initialization data exists on this partition (J3)
		.... ..1.		JPSNOVF	"B'00000010" This partition cannot overflow (J3)
		.... ...1		JPSPOVF	"B'00000001" At least one other partition overflows into this one (J3)
		1111 1111		JPSPPAR3	"B'11111111" All JES3 partition filters
21	(15)	BITSTRING	1	JPSPEFL1	IS.Extent Status Filters. Note that the status filters are an OR'ed group which are AND'ed with the other filters.
		1... ..		JPSPACKT	"B'10000000" Extent Active (J2 & J3)
		.1.		JPSPSTRT	"B'01000000" Extent Starting (J2)
		..1.		JPSPDRN	"B'00100000" Extent Draining (J2 & J3)
		...1		JPSPHALT	"B'00010000" Extent Halting (J2)
		.... 1...		JSPINAC	"B'00001000" Extent Inactive (J2)
		.... .1..		JSPHLD	"B'00000100" Extent Held (J3)
		.... ..1.		JSPBADT	"B'00000010" Extent Bad Track (J3)
		.... ...1		JPSSTT	"B'00000001" Extent STT (J3)
		1111 1...		JSPASJ2	"B'11111000" All JES2 Status filters set.
		1.1. .111		JSPASJ3	"B'10100111" All JES3 Status filters.
22	(16)	BITSTRING	1	JPSPEFL2	IS.Extent Filters
		1... ..		JPSPEXI	"B'10000000" Use JPSPEXT1 (extent ID) as a filter (J2 & J3)
		.1.		JPSPTGU	"B'01000000" Use JPSPTGUT (track group utilization) as a filter (J2)
		..1.		JPSPTGM	"B'00100000" Use JPSPTGMN (minimum total Track groups) as a filter (J2)
		...1		JPSPAMB	"B'00010000" Use JPSPAMBR (JES2 affinity member name) as a filter (J2)
		.... 1...		JPSPASY	"B'00001000" Use JPSPASYS (JES2 affinity MVS system name) as a filter (J2)
		1... ..		JPSPEF23	"B'10000000" All JES3 filters in JPSPEFL2
23	(17)	BITSTRING	1	JPSPEFL3	IS.Extent Status Filters #2 Note that the status filters are an OR'ed group which are AND'ed with the other filters
		1... ..		JPSXTND	"B'10000000" Extent Extending (J2)
		.1.		JPSMIGR	"B'01000000" Extent Migrating (J2)
		..1.		JPSMAPP	"B'00100000" Extent Mapped (J2)
		111.		JPSPEF32	"B'11100000" JES2 filters in JPSPEFL3
24	(18)	BITSTRING	4		Reserved.
Comment					
NOTE: Each filter below is enabled via one of the bit settings in JPSPEFL2					
End of Comment					
28	(1C)	CHARACTER	8	JPSPPNAM	IS*.Partition Name filter. See JPSPPNM bit. (J3)
36	(24)	CHARACTER	8	JPSPEXT1	IS*.Extent Identifier Filter. This is the Volume Name in JES2 and the DDNAME in JES3. See JPSPEXI bit. (J2 & J3)
44	(2C)	CHARACTER	8	JPSPAMBR	IS*.JES2 Affinity member Name Filter. See JPSPAMB bit. (J2)
52	(34)	CHARACTER	8	JPSPASYS	IS*.JES2 Affinity MVS System Name Filter. See JPSPASY bit. (J2)
60	(3C)	SIGNED	4	JPSPTGUT	IS. Track Group utilization Filter. A percentage value from 1 to 100 is specified. Only extents with equal or greater utilization than the percentage value will be returned. See JPSPTGU bit. (J2)
64	(40)	SIGNED	4	JPSPTGMN	IS. Minimum Number of Track Groups Filter. Only extents with equal or greater total TGs than the minimum value specified will be returned. See the JPSPTGM bit (J2)
68	(44)	SIGNED	4	(10)	Reserved for future use
Comment					
Begin output-only fields.					
End of Comment					
108	(6C)	ADDRESS	4	JPSPLPTR	O.Pointer to first Partition (SPPHDR) data buffer. See output data discussion below for layout.
112	(70)	SIGNED	4	JPSNPAR	O.Number of Partition (SPPHDR) data buffers returned.

IAZJPSPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
116	(74)	SIGNED	4		Reserved for future use
120	(78)	SIGNED	8	JPSPTGT	O.Total Track Groups - Partition Rollup.
128	(80)	SIGNED	8	JPSPTGIU	O.Total Track Groups In Use - Partition Rollup.
136	(88)	SIGNED	8	JPSPTKT	O.Total Tracks - Partition Rollup
144	(90)	SIGNED	8	JPSPTKU	O.Total Tracks In Use - Partition Rollup.
152	(98)	SIGNED	8	JPSPTGAT	O.Total Active Track Groups - Partition Rollup.
160	(A0)	SIGNED	8	JPSPTGAI	O.Total Active Track Groups In Use -Partition Rollup
168	(A8)	SIGNED	8	JPSPTKAT	O.Total Active Tracks - Partition Rollup
176	(B0)	SIGNED	8	JPSPTKAU	O.Total Active Tracks In Use - Partition Rollup.
184	(B8)	SIGNED	4	(2)	Reserved for future use
184	(B8)	X'CO'	0	JSPSPZE1	**-JPSPL" Fix parameter End: Ver 1
184	(B8)	X'CO'	0	JSPSPZE2	**-JPSPL" Fix parameter End: Ver 2
184	(B8)	X'CO'	0	JSPSPZE	**-JPSPL" JPSPL Current version fixed parameter length

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JPSPSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	JPSPSTID	Eyecatcher
8	(8)	ADDRESS	2	JPSPSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	JPSPSTSP	Subpool of area
12	(C)	X'E6'	0	JPSPSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	JPSPSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	JPSPSTNX	Pointer to next area
20	(14)	ADDRESS	4	JPSPSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	JPSPSTBG (0)	Start of data area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPPHDR	, Partition Header Section
0	(0)	CHARACTER	8	SPPEYE	Eye catcher
8	(8)	ADDRESS	2	SPPOPRF	Offset to prefix section
10	(A)	BITSTRING	2		Reserved for future use
12	(C)	ADDRESS	4	SPPNXTP	Address of next Partition
16	(10)	ADDRESS	4	SPPFRSTE	Address of first extent
20	(14)	ADDRESS	4		Reserved for future use
20	(14)	X'18'	0	SPPHDSZ	**-SPPHDR" Size of this section

Comment					
Spool Partition Section Identifiers					
End of Comment					
....	....			SPPIDPRF	"X'00" Partition Info - Prefix
....	...1			SPPIDGEN	"X'01" Partition Info - General
....	..11			SPPIDJS3	"X'03" Partition Info - JES3

Comment					
Spool Partition Section Modifiers					
End of Comment					
....	....			SPPIMGEN	"X'00" Modifier - General

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPPPREF	, Spool Partition Prefix
0	(0)	ADDRESS	2	SPPPRLN	Length of entire Partition entry (Max value is 65535) returned - other than hdr
2	(2)	ADDRESS	1	SPPPRTP	Type = Prefix Section
3	(3)	ADDRESS	1	SPPPRMD	Type Mod = General
3	(3)	X'4'	0	SPPPRSZ	**-SPPPREF" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPPGENI	, Spool partition General Information.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	ADDRESS	2	SPPGLN	Length of this section
2	(2)	ADDRESS	1	SPPGTY	Type = General Info
3	(3)	ADDRESS	1	SPPGMD	Type Mod = General
4	(4)	SIGNED	4		Reserved for future use
8	(8)	CHARACTER	8	SPPGNM	Partition Name (blank for JES2, set for JES3).
16	(10)	SIGNED	8	SPPGTGT	Total Track Groups - Extent Rollup.
24	(18)	SIGNED	8	SPPGTGU	Total Track Groups In Use - Extent Rollup.
32	(20)	SIGNED	8	SPPGTKT	Total Tracks - Extent Rollup
40	(28)	SIGNED	8	SPPGTKU	Total Tracks In Use - Extent Rollup.
48	(30)	BITSTRING	1	SPPGFLG1	Partition Indicators:
		1...		SPPGNMPC	"B'10000000" ON = No free space currently exists in the partition.
		.1.		SPPGACTV	"B'01000000" ON = Active extents exist in the partition.
		..1.		SPPGALOC	"B'00100000" ON = Some extents have space available that isn't currently utilized (for JES2, some extents are 'stunted').
49	(31)	BITSTRING	7		Reserved for future use
56	(38)	SIGNED	8	SPPGTGAT	Total Active Track Groups - Extent Rollup.
64	(40)	SIGNED	8	SPPGTGAU	Total Active Track Groups In Use - Extent Rollup.
72	(48)	SIGNED	8	SPPGTKAT	Total Active Tracks - Extent Rollup
80	(50)	SIGNED	8	SPPGTKAU	Total Active Tracks In Use - Extent Rollup.
80	(50)	X'58'	0	SPPGENSZ	**SPPGENI" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPPJES3I	, Spool partition JES3 specific Information
0	(0)	ADDRESS	2	SPP3LN	Length of this section
2	(2)	ADDRESS	1	SPP3TY	Type = JES3 Info
3	(3)	ADDRESS	1	SPP3MD	Type Mod = General
4	(4)	CHARACTER	8	SPP3OPAR	Overflow partition Name.
12	(C)	BITSTRING	1	SPP3STS	Partition Status Flags
		1...		SPP3ALD	"B'10000000" Partition Allocation Allowed
		.1.		SPP3DFTP	"B'01000000" This partition is the default
		..1.		SPP3IDTA	"B'00100000" Initialization data exists on this partition
		...1		SPP3OVER	"B'00010000" This partition has overflowed into another partition
		.... 1...		SPP3POVI	"B'00001000" At least 1 other partition may overflow into this partition.
		.... ..1.		SPP3POVO	"B'00000100" This partition may overflow into another partition.
13	(D)	BITSTRING	1	SPP3THRF	Partition Threshold Flags
		1...		SPP3MRG	"B'10000000" Marginal thrshold exceeded
		.1.		SPP3MIN	"B'01000000" Minimal threshold exceeded
14	(E)	BITSTRING	1	SPP3MRGP	Marginal SLIM threshold percentage
15	(F)	BITSTRING	1	SPP3MINP	Minimal SLIM threshold percentage
16	(10)	BITSTRING	4		Reserved for future use
16	(10)	X'14'	0	SPPJ3SIZ	**SPPJES3I" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEHDR	, Extent Header Section
0	(0)	CHARACTER	8	SPEEYE	Eye catcher
8	(8)	ADDRESS	2	SPEOPRF	Offset to extent prefix section.
10	(A)	BITSTRING	2		Reserved for future use
12	(C)	ADDRESS	4	SPENXTE	Address of next Extent header
16	(10)	ADDRESS	4		Reserved for future use
16	(10)	X'14'	0	SPEHDSZ	**SPEHDR" Size of this section

Comment

Spool Extent Section Identifiers

End of Comment

1...	SPEIDPRF	"X'80" Extent Info - Prefix
1... ..1	SPEIDGEN	"X'81" Extent Info - General
1... ..1.	SPEIDJS2	"X'82" Extent Info - JES2
1... ..11	SPEIDJS3	"X'83" Extent Info - JES3

Comment

Spool Extent Section Modifiers

End of Comment

1...	SPEIMGEN	"X'80" Modifier - General
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IAZJPSPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..1.		SPEIMJ2A	"X'82" Modifier - JES2 Affinity
		1... ..11		SPEIMJ2M	"X'83" Modifier - JES2 Active SPOOL Migration
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEPREF	, Spool Extent Prefix
0	(0)	ADDRESS	2	SPEPRLN	Length of entire Extent entry (Max value is 65535) returned - other than hdr
2	(2)	ADDRESS	1	SPEPRTP	Type = Prefix Section
3	(3)	ADDRESS	1	SPEPRMD	Type Mod = General
3	(3)	X'4'	0	SPEPRSZ	""-SPEPREF" Size of this section
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEGENI	, Spool extent General Information.
0	(0)	ADDRESS	2	SPEGLN	Length of this section
2	(2)	ADDRESS	1	SPEGTY	Type = General Info
3	(3)	ADDRESS	1	SPEGMD	Type Mod = General
4	(4)	CHARACTER	12	SPEGSTS	Extent Status string. The following are examples of what this field can contain: - 'ACTIVE ' - 'ACTIVE-RSVD ' - 'STARTING ' - 'HALTING ' - 'DRAINING ' - 'INACTIVE ' - 'HELD ' (JES3 ONLY) - 'EXTENDING ' - 'MIGRATING ' - 'MAPPED '
16	(10)	SIGNED	1	SPEGSTSB	Extent Status byte. Contains one of the following values that will match the Extent Status string above:
16	(10)	X'1'	0	SPEGACT	"1" - ACTIVE Status
16	(10)	X'2'	0	SPEGSTRT	"2" - STARTING Status
16	(10)	X'3'	0	SPEGHALT	"3" - HALTING Status
16	(10)	X'4'	0	SPEGDRN	"4" - DRAINING Status
16	(10)	X'5'	0	SPEGINAC	"5" - INACTIVE Status
16	(10)	X'6'	0	SPEGHELD	"6" - HELD Status (JES3 ONLY)
16	(10)	X'7'	0	SPEGXTND	"7" - EXTENDING Status
16	(10)	X'8'	0	SPEGMIGR	"8" - MIGRATING Status
16	(10)	X'9'	0	SPEGMAPP	"9" - MAPPED Status
17	(11)	BITSTRING	1	SPEGFLG1	Extent General Status Flags
		1... ..		SPEGNRML	"B'10000000" ON = Extent in 'normal' (ACTIVE) status.
		..1.		SPEGRSVD	"B'01000000" ON = Extent is 'Reserved' meaning it is selectable but not allocatable
		..1.		SPEGNSEL	"B'00100000" ON = Work on this extent is not selectable
18	(12)	BITSTRING	1	SPEGPERC	Percent complete for command in progress, if available
19	(13)	BITSTRING	1		Reserved
20	(14)	CHARACTER	8	SPEGEXTI	Extent Identifier. This is the Volume Name in JES2 and the DDNAME in JES3.
28	(1C)	CHARACTER	44	SPEGDSNM	Data Set Name on which this extent physically resides
72	(48)	SIGNED	8	SPEGTGT	Total Track Groups
80	(50)	SIGNED	8	SPEGTGU	Total Track Groups In Use
88	(58)	SIGNED	8	SPEGTRK	Total Tracks
96	(60)	SIGNED	8	SPEGTTKU	Total Tracks In Use
104	(68)	ADDRESS	4	SPEGLCYL	Low Cylinder. Note that this is a 'normalized' value (cccCC).
108	(6C)	ADDRESS	4	SPEGLHED	Low Head
112	(70)	CHARACTER	6	SPEGLMTR	Low MQTR value for JES2 Low MMRRRR value for JES3
112	(70)	X'70'	0	SPEGLMM	"SPEGLMTR,2" Defines JES3 extent number
112	(70)	X'72'	0	SPEGLRRN	"SPEGLMTR+2,4" Defines JES3 record number
118	(76)	BITSTRING	2		Reserved
120	(78)	ADDRESS	4	SPEGHCYL	High Cylinder. Note that this is a 'normalized' value (cccCC).
124	(7C)	ADDRESS	4	SPEGHHED	High Head
128	(80)	CHARACTER	6	SPEGHMTR	High MQTR value for JES2 High MMRRRR value for JES3
128	(80)	X'80'	0	SPEGHMM	"SPEGHMTR,2" Defines JES3 extent number
128	(80)	X'82'	0	SPEGHRRN	"SPEGHMTR+2,4" Defines JES3 record number
134	(86)	BITSTRING	2		Reserved
136	(88)	ADDRESS	4	SPEGTPCY	Tracks Per Cylinder
140	(8C)	ADDRESS	2	SPEGRPTK	Records Per Track
142	(8E)	ADDRESS	2	SPEGTPTG	Tracks Per Track Group
144	(90)	ADDRESS	2	SPEGEXTN	Extent Number
146	(92)	CHARACTER	6	SPEGVSER	VOLSER where this extent's data set resides
152	(98)	SIGNED	8	SPEGLTRK	Low Track Number
160	(A0)	SIGNED	8	SPEGHTRK	High Track Number
160	(A0)	X'A8'	0	SPEGENIS	""-SPEGENI" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEJ2I	, Spool Extent JES2 specific Information
0	(0)	ADDRESS	2	SPE2LN	Length of this section
2	(2)	ADDRESS	1	SPE2TY	Type = JES2 Info
3	(3)	ADDRESS	1	SPE2MD	Type Mod = General
4	(4)	CHARACTER	12	SPE2CMD	Current Command string. The following are examples of what this field can contain: - 'START ' - 'FORMAT ' - 'HALT ' - 'DRAIN ' - 'EXTEND ' - 'MIGRATE ' - blank if no active command.
16	(10)	SIGNED	1	SPE2CMBD	Current Command byte. Contains one of the following values that will match the Current Command string above:
16	(10)	X'0'	0	SPE2NCMD	"0" - No Command Active
16	(10)	X'1'	0	SPE2STRT	"1" - START command
16	(10)	X'2'	0	SPE2FRMT	"2" - FORMAT commands
16	(10)	X'3'	0	SPE2HALT	"3" - HALT command
16	(10)	X'4'	0	SPE2DRN	"4" - DRAIN command
16	(10)	X'5'	0	SPE2XTND	"5" - EXTEND command
16	(10)	X'6'	0	SPE2MIGR	"6" - MIGRATE command
17	(11)	BITSTRING	1	SPE2FLG1	Extent Status Indicators:
		1...		SPE2STNT	"B'10000000" Stunted Indicator: ON = This extent is stunted.
		.1.		SPE2ALLM	"B'01000000" All members Have Affinity: ON = ALL members have affinity to this volume. The Affinity Array sections do NOT exist. OFF = SOME members have affinity to this volume. The Affinity Array sections DO exist.
		...1.		SPE2MAPT	"B'00100000" This extent is a target of MAPPED extents
		...1		SPE2ACTM	"B'00010000" This extent is either the source or target of an active migration. Section SPEJ2MI has the details.
18	(12)	BITSTRING	6		Reserved
24	(18)	SIGNED	8	SPE2LFTK	Largest number of contiguous free tracks
32	(20)	SIGNED	8	SPE2HTRK	Highest used track relative to the start of the data set
40	(28)	CHARACTER	8	SPE2TARG	Target Extent Identifier. This is the Volume Name in JES2 where this extent is migrating to/has migrated to.
40	(28)	X'30'	0	SPEJ2IS	**"-SPEJ2I" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEJ2AI	, Spool Extent JES2 Affinity specific Information
0	(0)	ADDRESS	2	SPE2ALN	Length of this section
2	(2)	ADDRESS	1	SPE2ATY	Type = JES2 Info
3	(3)	ADDRESS	1	SPE2AMD	Type Mod = JES2 Affinity
4	(4)	ADDRESS	2	SPE2ANUM	Number of entries in the Affinity Array. Note that this can be ZERO in situations when no members match the selection filters.
6	(6)	ADDRESS	2	SPE2ALEN	Length of an entry in the Affinity Array
6	(6)	X'8'	0	SPEJ2AIS	**"-SPEJ2AI" Size of this section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEJ2AE	, Spool Extent JES2 Affinity Array Entry
0	(0)	CHARACTER	8	SPE2EMBR	JES2 member Name
8	(8)	CHARACTER	8	SPE2ESYS	MVS System Name
8	(8)	X'10'	0	SPEJ2AES	**"-SPEJ2AE" Size of a JES2 Affinity Array Entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPEJ2MI	, Spool Extent Active Migration JES2 specific information
0	(0)	ADDRESS	2	SPE2MLN	Length of this section
2	(2)	ADDRESS	1	SPE2MTY	Type = JES2 Info
3	(3)	ADDRESS	1	SPE2MMD	Type Mod = JES2 Migration
4	(4)	BITSTRING	1	SPE2MFG1	Extent Active Migration Indicators
		1...		SPE2M1SR	"B'10000000" Extent is source of migration
		.1.		SPE2M1TG	"B'01000000" Extent is target of migration
		...1.		SPE2M1MV	"B'00100000" MOVE migration
		...1		SPE2M1MG	"B'00010000" MERGE migration
		.... 1...		SPE2NCAN	"B'00001000" Migration cannot be cancelled
		.... .1..		SPE2MERR	"B'00000100" Migration failed and is being cleaned up

IAZJPSPL Cross Reference

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

Comment					

The following fields are only valid if SPE2M1SR is ON. They document where the source extent is migrating to.					

End of Comment					
5	(5)	CHARACTER	12	SPE2MPH	Migration Phase string. The following indicate what this field can contain: - 'PENDING ' - 'INITIALIZING' - 'SETUP ' - 'COPY ' - 'CATCHUP ' - 'CANCEL ' - 'BACKOUT ' - 'CLEANUP ' - blank if no active migration phase
17	(11)	SIGNED	1	SPE2MPHB	Migration phase byte. Contains one of the following values that will match the Migration Phase string above:
17	(11)	X'0'	0	SPE2NOMG	"0" - No Migration active
17	(11)	X'A'	0	SPE2MPND	"10" - PENDING phase
17	(11)	X'14'	0	SPE2MINI	"20" - INITIALIZING phase
17	(11)	X'1E'	0	SPE2MSET	"30" - SETUP phase
17	(11)	X'28'	0	SPE2MCPY	"40" - COPY phase
17	(11)	X'32'	0	SPE2MCUP	"50" - CATCHUP phase
17	(11)	X'3C'	0	SPE2MCAN	"60" - CANCEL phase
17	(11)	X'46'	0	SPE2MBAK	"70" - BACKOUT phase
17	(11)	X'50'	0	SPE2MCLN	"80" - CLEANUP phase
18	(12)	CHARACTER	8	SPE2MMGR	Migrator JES2 MAS member name
26	(1A)	CHARACTER	6	SPE2MVSR	Target extent VOLSER where the current extent is migrating to
32	(20)	CHARACTER	44	SPE2MDSN	Target extent SPOOL data set name where the current extent is migrating to
32	(20)	X'4C'	0	SPEJ2MIS	**SPEJ2MI" Size of this section

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SPEJ3I	, Spool Extent JES3 specific Information
0	(0)	ADDRESS	2	SPE3LN	Length of this section
2	(2)	ADDRESS	1	SPE3TY	Type = JES3 Info
3	(3)	ADDRESS	1	SPE3MD	Type Mod = General
4	(4)	ADDRESS	2	SPE3RCSZ	Extent record size
6	(6)	BITSTRING	1	SPE3FLG1	Extent Status Indicators:
		1...		SPE3STRK	"B'10000000" ON = Single Track Table
		.1...		SPE3BTRK	"B'01000000" ON = Contains bad track
7	(7)	BITSTRING	1		Reserved for future use
7	(7)	X'8'	0	SPEJ3IS	**SPEJ3I" Size of this section

IAZJPSPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JPS Pact	15	80	JPS LEN	8	
JPS PALD	14	20	JPS PLFTP	14	8
JPS PAMB	16	10	JPS PLPTR	6C	
JPS PAMBR	2C		JPS PMAPP	17	20
JPS PASJ2	15	F8	JPS PMIGR	17	40
JPS PASJ3	15	A7	JPS PNALD	14	10
JPS PASY	16	8	JPS PNOVF	14	2
JPS PASYS	34		JPS PNPARG	70	
JPS PBDT	15	2	JPS PPARF	14	
JPS PCVRL	B	2	JPS PPAR3	14	FF
JPS PCVRM	B	0	JPS PPNAM	1C	
JPS PDRN	15	20	JPS PPNM	14	40
JPS PEFL1	15		JPS PPOVF	14	1
JPS PEFL2	16		JPS PSSID	0	
JPS PEFL3	17		JPS PSTBG	18	
JPS PEF23	16	80	JPS PSTCP	14	
JPS PEF32	17	E0	JPS PSTHL	8	
JPS PEXI	16	80	JPS PSTID	0	D1D7E2D7
JPS PEXTI	24		JPS PSTNX	10	
JPS PFULL	14	80	JPS PSTOR	0	
JPS PHALT	15	10	JPS PSTPL	C	E6
JPS PHLD	15	4	JPS PSTRP	10	
JPS PIDTA	14	4	JPS PSTRT	15	40
JPS PINAC	15	8	JPS PSTSP	C	
JPS PL	0		JPS PSTT	15	1

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JPSPSTTL	D		SPEIDJS2	10	82
JPSPSVR#	B	200	SPEIDJS3	10	83
JPSPSZE	B8	C0	SPEIDPRF	10	80
JPSPSZE1	B8	C0	SPEIMGEN	10	80
JPSPSZE2	B8	C0	SPEIMJ2A	10	82
JPSPTGAI	A0	0	SPEIMJ2M	10	83
JPSPTGAT	98	0	SPEJ2AE	0	
JPSPTGIU	80	0	SPEJ2AES	8	10
JPSPTGM	16	20	SPEJ2AI	0	
JPSPTGMN	40	0	SPEJ2AIS	6	8
JPSPTGT	78	0	SPEJ2I	0	
JPSPTGU	16	40	SPEJ2IS	28	30
JPSPTGUT	3C	0	SPEJ2MI	0	
JPSPTKAT	A8	0	SPEJ2MIS	20	4C
JPSPTKAU	B0	0	SPEJ3I	0	
JPSPTKT	88	0	SPEJ3IS	7	8
JPSPTKU	90	0	SPENXTE	C	
JPSPUSER	10		SPEOPRF	8	14
JPSPVER	A		SPEPREF	0	
JPSPVERL	A		SPEPRLN	0	
JPSPVERM	B		SPEPRMD	3	
JPSPVERO	C	0	SPEPRSZ	3	4
JPSPV010	B	100	SPEPRTP	2	
JPSPV011	B	101	SPE2ACTM	11	10
JPSPV020	B	200	SPE2ALEN	6	
JPSPXTND	17	80	SPE2ALLM	11	40
SPEEYE	0	E2D7D6D6	SPE2ALN	0	8
SPEGACT	10	1	SPE2AMD	3	
SPEGDRN	10	4	SPE2ANUM	4	
SPEGDSNM	1C		SPE2ATY	2	
SPEGENI	0		SPE2CMD	4	
SPEGENIS	A0	A8	SPE2CMDB	10	
SPEGEXTI	14		SPE2DRN	10	4
SPEGEXTN	90		SPE2EMBR	0	
SPEGFLG1	11		SPE2ESYS	8	
SPEGHALT	10	3	SPE2FLG1	11	
SPEGHCYL	78		SPE2FRMT	10	2
SPEGHELD	10	6	SPE2HALT	10	3
SPEGHHED	7C		SPE2HTRK	20	0
SPEGHMM	80	80	SPE2LFTK	18	0
SPEGHMTR	80		SPE2LN	0	30
SPEGHRRN	80	82	SPE2MAPT	11	20
SPEGHTRK	A0	0	SPE2MBAK	11	46
SPEGINAC	10	5	SPE2MCAN	11	3C
SPEGLCYL	68		SPE2MCLN	11	50
SPEGLHED	6C		SPE2MCPY	11	28
SPEGLMM	70	70	SPE2MCUP	11	32
SPEGLMTR	70		SPE2MD	3	
SPEGLN	0	A8	SPE2MDSN	20	40404040
SPEGLRRN	70	72	SPE2MERR	4	4
SPEGLTRK	98	0	SPE2MFG1	4	
SPEGMAPP	10	9	SPE2MIGR	10	6
SPEGMD	3		SPE2MINI	11	14
SPEGMIGR	10	8	SPE2MLN	0	4C
SPEGNRML	11	80	SPE2MMD	3	
SPEGNSSEL	11	20	SPE2MMGR	12	
SPEGPCRC	12		SPE2MPH	5	
SPEGRPTK	8C		SPE2MPHB	11	
SPEGRSVD	11	40	SPE2MPND	11	A
SPEGSTRT	10	2	SPE2MSET	11	1E
SPEGSTS	4		SPE2MTY	2	
SPEGSTSB	10		SPE2MVSR	1A	
SPEGTGT	48	0	SPE2M1MG	4	10
SPEGTGU	50	0	SPE2M1MV	4	20
SPEGTPCY	88		SPE2M1SR	4	80
SPEGTPTG	8E		SPE2M1TG	4	40
SPEGTTKU	60	0	SPE2NCAN	4	8
SPEGTTTRK	58	0	SPE2NCMD	10	0
SPEGTY	2		SPE2NOMG	11	0
SPEGVSER	92		SPE2STNT	11	80
SPEGXTND	10	7	SPE2STRT	10	1
SPEHDR	0		SPE2TARG	28	
SPEHDSZ	10	14	SPE2TY	2	
SPEIDGEN	10	81	SPE2XTND	10	5

IAZJPSPL Cross Reference

Name	Hex Offset	Hex Value
SPE3BTRK	6	40
SPE3FLG1	6	
SPE3LN	0	8
SPE3MD	3	
SPE3RCSZ	4	
SPE3STRK	6	80
SPE3TY	2	
SPPEYE	0	E2D7D6D6
SPPFRSTE	10	
SPPGACTV	30	40
SPPGALOC	30	20
SPPGENI	0	
SPPGENSZ	50	58
SPPGFLG1	30	
SPPGLN	0	58
SPPGMD	3	
SPPGNM	8	
SPPGNSPC	30	80
SPPGTGAT	38	0
SPPGTGAU	40	0
SPPGTGT	10	0
SPPGTGU	18	0
SPPGTKAT	48	0
SPPGTKAU	50	0
SPPGTKT	20	0
SPPGTKU	28	0
SPPGTY	2	
SPPHDR	0	
SPPHDSZ	14	18
SPPIDGEN	14	1
SPPIDJS3	14	3
SPPIDPRF	14	0
SPPIMGEN	14	0
SPPJES3I	0	
SPPJ3SIZ	10	14
SPPNXTTP	C	
SPPQPRF	8	18
SPPPREF	0	
SPPPRLN	0	
SPPPRMD	3	
SPPPRSZ	3	4
SPPRTP	2	
SPP3ALD	C	80
SPP3DFTP	C	40
SPP3IDTA	C	20
SPP3LN	0	14
SPP3MD	3	
SPP3MIN	D	40
SPP3MINP	F	0
SPP3MRG	D	80
SPP3MRGP	E	0
SPP3OPAR	4	
SPP3OVER	C	10
SPP3POVI	C	8
SPP3POVO	C	4
SPP3STSF	C	
SPP3THRF	D	
SPP3TY	2	

IAZMOND Information

IAZMOND Programming Interface information

Programming Interface information

IAZMOND

End of Programming Interface information

IAZMOND Heading Information • IAZMOND Map

IAZMOND Heading Information

Common Name: JES Monitor Information Parm List
Macro ID: IAZMOND
DSECT Name: MOND
Owning Component: JES Common (SC141)
Eye-Catcher ID: MOND
 Offset: MONDSSID
 Length: L'MONDSSID
Storage Attributes: Subpool: caller
 Key: Any
 Residency: Virtual = 31 bit storage real = 31 or 64 bit storage
Size: See MONDSIZE
Created by: caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSJIUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by authorized programs to request the Monitor Information function.

IAZMOND Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MOND	
0	(0)	CHARACTER	4	MONDSSID	I.Eyecatcher
4	(4)	ADDRESS	2	MONDLEN	I.Length of MOND area
6	(6)	SIGNED	2	MONDVER (0)	I.MOND caller version
6	(6)	ADDRESS	1	MONDVERL	I.MOND version level
7	(7)	ADDRESS	1	MONDVERM	I.MOND version modifier
7	(7)	BITSTRING	0	MONDV010	"X'0100" Initial version of macro
7	(7)	BITSTRING	0	MONDV020	"X'0200" z/OS 1.9 level of macro
7	(7)	X'2'	0	MONDCVRL	"2" Current version level
7	(7)	X'0'	0	MONDCVRM	"0" Current version modifier
8	(8)	SIGNED	2	MONDVERO	O.Subsystem version/modifier
10	(A)	BITSTRING	2		Reserved for future use and must be zero
12	(C)	SIGNED	4		
16	(10)	SIGNED	2	MONDUSER (0)	

Comment

MONDSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time the MOND is used and from that point on it will be managed by the subsystem. If this field is non-zero, then a return storage request must be made to release data held by this request.

End of Comment

16	(10)	ADDRESS	8	MONDSTRP	Storage management anchor
24	(18)	SIGNED	4	(2)	Reserved for future use and must be zero
32	(20)	DBL WORD	8	MONDPERF	O.Performance index for last performed request

Comment

Monitor Information selection data
The following input fields identify what fields you want returned on this request. At least one bit must be set to successfully complete a call.

End of Comment

40	(28)	BITSTRING	1	MONDSEL1	IS.Info selection flag 1
		1... ..		MONDSRES	"B'10000000" Resource usage stats
		.1.		MONDSMTS	"B'01000000" Main task CPU stats
		..1.		MONDSERR	"B'00100000" JES2 ERROR stats
		...1		MONDSWTS	"B'00010000" Main task WAIT stats
		.... 1..		MONDSJSA	"B'00001000" JES2 Alerts
		.... .1.		MONDSJSN	"B'00000100" JES2 Notices
		.... ..1		MONDSJST	"B'00000010" JES2 Tracks
		.... ...1		MONDSSTO	"B'00000001" JES2 Storage usage
41	(29)	BITSTRING	1	MONDSEL2	IS.Info selection flag 2
		1... ..		MONDSMNS	"B'10000000" Monitor status info
42	(2A)	BITSTRING	1	MONDOPT1	I.Monitor info options
		1... ..		MOND1CRT	"B'10000000" Return only critical notices when MONDSJSN is set

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
43	(2B)	BITSTRING	1		Reserved for future use and must be zero
Comment					
<p>History limit</p> <p>The monitor maintains a history for some statistics (resource usage, CPU stats, and error stats). In general, the statistics are reset at the top of each hour and hourly statistics are maintained for as long as the monitor is running. The amount of history returned can be limited by setting MONDHSTC to the number of history elements to return. Setting MONDHSTC to zero or 1 will return only the current data. Setting it to 5 will return the 5 most recent history elements. Setting it to 'X'FFFF' will return all history elements, For example, if the current time is 11:30, and MONDHSTC is set to 5, then the following 5 history elements will be returned (times are start of intervals).</p> <p>11:00, 10:00, 9:00, 8:00 and 7:00</p> <p>MONDHSTC only applies when MONDSRES, MONDSMTS, or MONDSERR is set in MONDSEL1</p>					
End of Comment					
44	(2C)	SIGNED	2	MONDHSTC	IS.History count limit
44	(2C)	BITSTRING	0	MONDHALL	"X'FFFF" Request all history returned
46	(2E)	BITSTRING	2		Reserved for future use and must be zero
Comment					
<p>Resource name filter</p> <p>If MONDSEL1 is set to MONDSRES, then MONDRSNM can be set to the resource name for which information is to be returned (left justified, padded with blanks). Generics (and ?) are allowed. Setting the first byte of MONDRSNM to zero or blanks is the same as setting MONDRSNM to ' '. All resources are returned.</p>					
End of Comment					
48	(30)	CHARACTER	8	MONDRSNM	IS*.Resource name filter
56	(38)	SIGNED	4	(16)	Reserved for future use and must be zero
Comment					
<p>Output areas</p> <p>Output from a Monitor information request is organized by the mapping of the returned data.</p>					
End of Comment					
120	(78)	BITSTRING	1	MONDSTAT	O.JES/MONITOR status
		1... ..		MONDJDWN	"B'10000000" JES is down
		.1..		MONDMDWN	"B'01000000" Monitor is down
121	(79)	BITSTRING	3		Reserved for future use and must be zero
124	(7C)	ADDRESS	4		Reserved and must be zero
128	(80)	ADDRESS	4	MONDRESQ	O.Resource usage (MDRSDATA)
132	(84)	ADDRESS	4		Reserved and must be zero
136	(88)	ADDRESS	4	MONDCPUS	O.CPU stats (MDCPDATA)
140	(8C)	ADDRESS	4		Reserved and must be zero
144	(90)	ADDRESS	4	MONDERRC	O.Error counts (MDERDATA)
148	(94)	ADDRESS	4		Reserved and must be zero
152	(98)	ADDRESS	4	MONDWAIT	O.MVS WAIT info (MDWTDATA)
156	(9C)	ADDRESS	4		Reserved and must be zero
160	(A0)	ADDRESS	4	MONDMSG5	O.Alert/track/notice msgs (MDMSDATA)
164	(A4)	ADDRESS	4		Reserved and must be zero
168	(A8)	ADDRESS	4	MONDMONI	O.Monitor info (MDMIDATA)
172	(AC)	ADDRESS	4		Reserved and must be zero
176	(B0)	ADDRESS	4	MONDSTRU	O.Storage usage (MDSTDATA)
180	(B4)	SIGNED	4	(15)	Reserved for future use and must be zero
240	(F0)	DBL WORD	8	(0)	Align length
240	(F0)	X'F0'	0	MONDSZE1	"*-MOND" Parameter end-version 1 size
240	(F0)	X'F0'	0	MONDSZE2	"*-MOND" Parameter end-version 2 size

IAZMOND Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
240	(F0)	X'F0'	0	MONDSZE	""-MOND" Size of MOND
Comment					
Reason codes					
End of Comment					
240	(F0)	X'0'	0	MONDOK	"0" Request worked
Comment					
----- Values of SSJIRETN when SSOBRETN is SSJIERV (4) for function (values of SSJIFREQ) SSJIMNOD and SSJIMNRS. -----					
End of Comment					
240	(F0)	X'4'	0	MONDNMON	"4" Monitor address space is down
Comment					
EQU 20 Used by router					
----- Values of SSJIRETN when SSOBRETN is SSJIERRU (8) for function (values of SSJIFREQ) SSJIMNOD and SSJIMNRS. -----					
EQU 4 Used by router					
End of Comment					
240	(F0)	X'C'	0	MONDIERR	"12" Input error
240	(F0)	X'10'	0	MONDSTRE	"16" MONDSTRP not set correctly

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDRSDATA	, Resource usage data
0	(0)	CHARACTER	4	MDRSEYE	Area eyecatcher
4	(4)	ADDRESS	4		Reserved
8	(8)	ADDRESS	4	MDRSNEXT	Next MDRS entry
12	(C)	CHARACTER	8	MDRSNAME	Resource name
20	(14)	SIGNED	2	MDRSENTO	Offset to 1st time entry
22	(16)	SIGNED	2	MDRSCNT	Number of time entries
24	(18)	SIGNED	2	MDRSENTL	Length of a time entry
26	(1A)	SIGNED	2		Reserved
28	(1C)	SIGNED	4	(2)	Reserved
36	(24)	BITSTRING	1	MDRSFLG1	General flag byte
		1...		MDRS1OVR	"B'10000000" Resource currently over warn
37	(25)	BITSTRING	3		Reserved
37	(25)	X'28'	0	MDRSBASL	""-MDRSDATA" Length of base section NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDRSNTRY	, Time entry
0	(0)	BITSTRING	16	MDRSTIME	Time interval started (STCKE)
16	(10)	SIGNED	4	MDRSLIMIT	Current upper limit
20	(14)	SIGNED	4	MDRSINUS	Current number in use
24	(18)	SIGNED	4	MDRSLOW	Low usage value
28	(1C)	SIGNED	4	MDRSHIGH	High usage value
32	(20)	SIGNED	4	MDRSAVRG	Average in use value
36	(24)	SIGNED	2	MDRSWARN	Warn level (%)
38	(26)	SIGNED	2	MDRSOVER	Usage over warn level (%*100)
38	(26)	X'28'	0	MDRSENTS	""-MDRSNTRY" Size of a time entry NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDCPDATA	, CPU statistics

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	4	MDCPEYE	Area eyecatcher
4	(4)	SIGNED	2	MDCPENTO	Offset to 1st time entry
6	(6)	SIGNED	2	MDCPCNT	Number of time entries
8	(8)	SIGNED	2	MDCPENTL	Length of a time entry
10	(A)	SIGNED	2		Reserved
12	(C)	SIGNED	4	(2)	Reserved
12	(C)	X'14'	0	MDCPBASL	**-MDCPDATA" Length of base section NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDCPNTRY	, Time entry
0	(0)	BITSTRING	16	MDCPTIME	Time interval started (STCKE)
16	(10)	SIGNED	4	MDCPACT	Active sample count
20	(14)	SIGNED	4	MDCPIDLE	Idle sample count
24	(18)	SIGNED	4	MDCPWAIT	Wait sample count
28	(1C)	SIGNED	4	MDCPLLOK	Local lock sample count
32	(20)	SIGNED	4	MDCPNDSP	Non-dispatchable count
36	(24)	SIGNED	4	MDCPPAGE	Page wait sample count
40	(28)	SIGNED	4	MDCPDMVS	Awaiting MVS dispatch
40	(28)	X'2C'	0	MDCPENTS	**-MDCPNTRY" Size of a time entry NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDERDATA	, Error counts
0	(0)	CHARACTER	4	MDEREYE	Area eyecatcher
4	(4)	ADDRESS	4		Reserved
8	(8)	ADDRESS	4	MDERNEXT	Next MDRS entry
12	(C)	CHARACTER	8	MDERNAME	Error name
20	(14)	SIGNED	2	MDERENTO	Offset to 1st time entry
22	(16)	SIGNED	2	MDERCNT	Number of time entries
24	(18)	SIGNED	2	MDERENTL	Length of a time entry
26	(1A)	SIGNED	2		Reserved
28	(1C)	SIGNED	4	(2)	Reserved
28	(1C)	X'24'	0	MDERBASL	**-MDERDATA" Length of base section NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDERNTRY	, Time entry
0	(0)	BITSTRING	16	MDERTIME	Time interval started (STCKE)
16	(10)	SIGNED	4	MDERCOUN	Error count
20	(14)	BITSTRING	1	MDERTYPE	Error category
20	(14)	X'1'	0	MDERMAIN	"1" Main task
20	(14)	X'2'	0	MDERDIST	"2" DISTERR
20	(14)	X'3'	0	MDERCBIO	"3" CBIO error
20	(14)	X'4'	0	MDEROTHR	"4" Other
20	(14)	X'5'	0	MDERSTSK	"5" JES2 subtask
21	(15)	BITSTRING	3		Reserved
21	(15)	X'18'	0	MDERENTS	**-MDERNTRY" Size of a time entry NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDWTDATA	, MVS WAIT information
0	(0)	CHARACTER	4	MDWTEYE	Area eyecatcher
4	(4)	SIGNED	2	MDWTENTO	Offset to 1st wait entry
6	(6)	SIGNED	2	MDWTCNT	Number of wait entries
8	(8)	SIGNED	2	MDWTENTL	Length of a wait entry
10	(A)	SIGNED	2		Reserved
12	(C)	SIGNED	4	(2)	Reserved
12	(C)	X'14'	0	MDWTBASL	**-MDWTDATA" Length of base section NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDWTNTRY	, Wait entry
0	(0)	BITSTRING	16	MDWTSTCK	Time of most recent wait (STCKE)

IAZMOND Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	ADDRESS	4	MDWTADDR	Address of wait (from RB)
20	(14)	SIGNED	4	MDWTWCNT	Count of waits detected
24	(18)	SIGNED	4	MDWTSCNT	Count of matching samples
28	(1C)	CHARACTER	8	MDWTNAME	Module name from wait
36	(24)	SIGNED	4	MDWTOFFS	Offset of wait in module
40	(28)	CHARACTER	8	MDWTPCE	Name of PCE in control (or MULTIPLE)

Comment

 MDWTEXIT is one of the following character values:
 NONE - wait while JES2 was in control (JCO)
 exit# - wait while this exit was in control
 MULTEXIT - multiple exits were in control (MLT)
 MULTIPLE - JES2 and exit code in control (JNX)

End of Comment

48	(30)	CHARACTER	8	MDWTEXIT	Exit number in control
56	(38)	BITSTRING	1	MDWTFLAG	Wait flag byte
		1...		MDWTFINI	"B'10000000" JES2 was initializing
		.1...		MDWTFTRM	"B'01000000" JES2 was terminating
57	(39)	BITSTRING	3		Reserved
57	(39)	X'3C'	0	MDWTENTS	**-MDWTNTRY" Size of a wait entry NOT FOR APPLICATION USE

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDMSDATA	, Alert/track/notice messages
0	(0)	CHARACTER	4	MDMSEYE	Area eyecatcher
4	(4)	ADDRESS	4		Reserved
8	(8)	ADDRESS	4	MDMSNEXT	Next MDRS entry
12	(C)	SIGNED	2	MDMSLEN	Length of area
14	(E)	SIGNED	2		Reserved
16	(10)	SIGNED	4	(3)	Reserved
28	(1C)	BITSTRING	16	MDMSTIME	Time condition started (STCKE) (Alerts and tracks only)
44	(2C)	BITSTRING	1	MDMSTYPE	Message type
44	(2C)	X'1'	0	MDMSTALR	"1" Alert message
44	(2C)	X'2'	0	MDMSTTRK	"2" Track message
44	(2C)	X'3'	0	MDMSTNOT	"3" Notice message
45	(2D)	BITSTRING	1		Reserved
46	(2E)	ADDRESS	2	MDMDL1LN	1st line of message length
48	(30)	CHARACTER	71	MDMSL1TX	and text
119	(77)	BITSTRING	1		Reserved
120	(78)	ADDRESS	2	MDMDL2LN	2nd line of message length
122	(7A)	CHARACTER	71	MDMSL2TX	and text
193	(C1)	BITSTRING	1		Reserved
194	(C2)	ADDRESS	2	MDMDL3LN	3rd line of message length
196	(C4)	CHARACTER	71	MDMSL3TX	and text
267	(10B)	BITSTRING	1		Reserved
268	(10C)	ADDRESS	2	MDMDL4LN	4rd line of message length
270	(10E)	CHARACTER	71	MDMSL4TX	and text
341	(155)	BITSTRING	1		Reserved
344	(158)	SIGNED	4	(0)	Align
344	(158)	X'158'	0	MDMSSENTS	**-MDMSDATA" Size of message section NOT FOR APPLICATION USE

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDMIDATA	, Monitor information
0	(0)	CHARACTER	4	MDMIEYE	Area eyecatcher
4	(4)	SIGNED	2	MDMIENTO	Offset to 1st subtask entry
6	(6)	SIGNED	2	MDMICNT	Number of subtask entries
8	(8)	SIGNED	2	MDMIENTL	Length of a subtask entry
10	(A)	SIGNED	2		Reserved
12	(C)	SIGNED	4	(2)	Reserved
12	(C)	X'14'	0	MDMIBASL	**-MDMIDATA" Length of base section NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDMINTRY	, Monitor subtask entry
0	(0)	CHARACTER	8	MDMINAME	Name of monitor task
8	(8)	CHARACTER	12	MDMISTAT	Current task status
20	(14)	CHARACTER	24	MDMIINFO	Status information for subtask
44	(2C)	SIGNED	4		Reserved
48	(30)	DBL WORD	8	(0)	Align
48	(30)	X'30'	0	MDMIENTS	**MDMINTRY" Size of a status entry NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDSTDATA	, Storage usage data
0	(0)	CHARACTER	4	MDSTEYE	Area eyecatcher
4	(4)	ADDRESS	4		Reserved
8	(8)	ADDRESS	4	MDSTNEXT	Next MDST entry
12	(C)	CHARACTER	12	MDSTNAME	Storage area description
24	(18)	SIGNED	2	MDSTENTO	Offset to 1st time entry
26	(1A)	SIGNED	2	MDSTCNT	Number of time entries
28	(1C)	SIGNED	2	MDSTENTL	Length of a time entry
30	(1E)	SIGNED	2		Reserved
32	(20)	SIGNED	4	(2)	Reserved
32	(20)	X'28'	0	MDSTBASL	**MDSTDATA" Length of base section NOT FOR APPLICATION USE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	MDSTNTRY	, Time entry
0	(0)	BITSTRING	16	MDSTTIME	Interval start time (STCKE)
16	(10)	SIGNED	4	MDSTREGN	Current region size (bytes)
20	(14)	SIGNED	4	MDSTUSE	Current bytes in use
24	(18)	SIGNED	4	MDSTLOW	Low usage value (bytes)
28	(1C)	SIGNED	4	MDSTHIGH	High usage value (bytes)
32	(20)	SIGNED	4	MDSTAVRG	Average usage value (bytes)
32	(20)	X'24'	0	MDSTENTS	**MDSTNTRY" Size of a time entry NOT FOR APPLICATION USE

IAZMOND Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MDCPACT	10		MDERTIME	0	
MDCPBASL	C	14	MDERTYPE	14	
MDCPCNT	6		MDMDL1LN	2E	
MDCPDATA	0		MDMDL2LN	78	
MDCPDMVS	28		MDMDL3LN	C2	
MDCPENTL	8		MDMDL4LN	10C	
MDCPENTO	4		MDMIBASL	C	14
MDCPENTS	28	2C	MDMICNT	6	
MDCPEYE	0	D4C4C3D7	MDMIDATA	0	
MDCPIDLE	14		MDMIENTL	8	
MDCPLLOK	1C		MDMIENTO	4	
MDCPNDSP	20		MDMIENTS	30	30
MDCPNTRY	0		MDMIEYE	0	D4C4D4C9
MDCPPAGE	24		MDMIINFO	14	
MDCPTIME	0		MDMINAME	0	
MDCPWAIT	18		MDMINTRY	0	
MDERBASL	1C	24	MDMISTAT	8	
MDERCBIO	14	3	MDMSDATA	0	
MDERCNT	16		MDMSENDS	158	158
MDERCOUN	10		MDMSEYE	0	D4C4D4E2
MDERDATA	0		MDMSLEN	C	
MDERDIST	14	2	MDMSL1TX	30	
MDERENTL	18		MDMSL2TX	7A	
MDERENTO	14		MDMSL3TX	C4	
MDERENTS	15	18	MDMSL4TX	10E	
MDEREYE	0	D4C4C5D9	MDMSNEXT	8	
MDERMAIN	14	1	MDMSTALR	2C	1
MDERNAME	C		MDMSTIME	1C	
MDERNEXT	8		MDMSTNOT	2C	3
MDERNTRY	0		MDMSTTRK	2C	2
MDEROTHR	14	4	MDMSTYPE	2C	
MDERSTSK	14	5	MDRSVAVG	20	

IAZMOND Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MDRSBASL	25	28	MONDSEL2	29	0
MDRSCNT	16		MONDSERR	28	20
MDRSDATA	0		MONDSJSA	28	8
MDRSENTL	18		MONDSJSN	28	4
MDRSENTO	14		MONDSJST	28	2
MDRSENTS	26	28	MONDSMNS	29	80
MDRSEYE	0	D4C4D9E2	MONDSMTS	28	40
MDRSFLG1	24		MONDSRES	28	80
MDRSHIGH	1C		MONDSSID	0	D4D6D5C4
MDRSINUS	14		MONDSSSTO	28	1
MDRSLIMIT	10		MONDSTAT	78	0
MDRSLOW	18		MONDSTRE	F0	10
MDRSNAME	C		MONDSTRP	10	
MDRSNEXT	8		MONDSTRU	B0	
MDRSNTRY	0		MONDSWTS	28	10
MDRSOVER	26		MONDSZE	F0	F0
MDRSTIME	0		MONDSZE1	F0	F0
MDRSWARN	24		MONDSZE2	F0	F0
MDRS1OVR	24	80	MONDUSER	10	
MDSTAVRG	20		MONDVER	6	
MDSTBASL	20	28	MONDVERL	6	
MDSTCNT	1A		MONDVERM	7	
MDSTDATA	0		MONDVERO	8	0
MDSTENTL	1C		MONDV010	7	100
MDSTENTO	18		MONDV020	7	200
MDSTENTS	20	24	MONDWAIT	98	
MDSTEYE	0	D4C4E2E3	MOND1CRT	2A	80
MDSTHIGH	1C				
MDSTLOW	18				
MDSTNAME	C				
MDSTNEXT	8				
MDSTNTRY	0				
MDSTREGN	10				
MDSTTIME	0				
MDSTUSE	14				
MDWTADDR	10				
MDWTBASL	C	14			
MDWTCNT	6				
MDWTDATA	0				
MDWTENTL	8				
MDWTENTO	4				
MDWTENTS	39	3C			
MDWTEXT	30				
MDWTEYE	0	D4C4E6E3			
MDWTFINI	38	80			
MDWTFLAG	38				
MDWTFTRM	38	40			
MDWTNAME	1C				
MDWTNTRY	0				
MDWTOFFS	24				
MDWTPCE	28				
MDWTSCNT	18				
MDWTSTCK	0				
MDWTWCNT	14				
MOND	0				
MONDCPUS	88				
MONDCVRL	7	2			
MONDCVRM	7	0			
MONDERRC	90				
MONDHALL	2C	FFFF			
MONDHSTC	2C	0			
MONDIERR	F0	C			
MONDJDWN	78	80			
MONDLEN	4	F0			
MONDMDWN	78	40			
MONDMONI	A8				
MONDMSGS	A0				
MONDNMON	F0	4			
MONDOK	F0	0			
MONDOPT1	2A	0			
MONDPERF	20	0			
MONDRESQ	80				
MONDRSNM	30	40404040			
MONDSEL1	28	0			

IAZSPLIO Information

IAZSPLIO Programming Interface information

Programming Interface information

IAZSPLIO

End of Programming Interface information

IAZSPLIO Heading Information • IAZSPLIO Map

IAZSPLIO Heading Information

Common Name: JES2 Spool Input/Output Parameter List
Macro ID: IAZSPLIO
DSECT Name: SPLIO
Owning Component: JES Common (SC141)
Eye-Catcher ID: SPIO
 Offset: SPIOSSID
 Length: L'SPIOSSID
Storage Attributes: Subpool: caller
 Key: Any
 Residency: Virtual = any real = any
Size: See SPIOSSIZE
Created by: caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSJIUSER in the SSOB extension
Serialization: None
Function: This macro provides the mapping of the parameter list used by authorized programs to request the Spool Input/Output format.

IAZSPLIO Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SPLIO	
0	(0)	CHARACTER	4	SPIOSSID	I.Eyecatcher
4	(4)	ADDRESS	2	SPIOLEN	I.Length of SPLIO parameter list
6	(6)	SIGNED	2	SPLIOVRN	I.Parm list version number
6	(6)	X'1'	0	SPLIOVR1	"1" Service version number of IAZSPLIO
6	(6)	X'1'	0	SPLIOVR#	"1" Service version--the latest value
8	(8)	SIGNED	2	SPIOVERO	O.Subsystem version number
10	(A)	SIGNED	2		Reserved
12	(C)	SIGNED	2	SPIOUSER (0)	

Comment

SPIOSTRP is an anchor for use by the subsystem that responds to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystem.

End of Comment

12	(C)	ADDRESS	4	SPIOSTRP	Storage management anchor
16	(10)	SIGNED	4		Reserved
20	(14)	SIGNED	4		Reserved

Comment

Spool Input/Output info section
 Field SPIOSPAD is the only required field. It should have the requested spool control block address. The subsequent input fields are optional and are used for verification purposes.
 The supported control block types for JES2 are:
 CHK HDB IOT
 JCT NHSB OCT
 SIG SWBI

End of Comment

24	(18)	BITSTRING	8	SPIOSPAD	I.Spool address to be found This field is required
----	------	-----------	---	----------	--

Comment

The following input fields are optional. If they have a null value, they will be considered as not present for verification purposes. Especially, if the control block ID type is null, the other fields are not considered.

End of Comment

32	(20)	CHARACTER	4	SPIOCTYP	I.Control block ID type
36	(24)	CHARACTER	8	SPIOJNAM	I.Job name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
44	(2C)	CHARACTER	8	SPIOJID	I.Job ID (J9999999, etc.)
52	(34)	BITSTRING	4	SPIOJKEY	I.Job key
56	(38)	SIGNED	4	SPIODSKY	I.Dataset key

Comment

 If instorage buffers are needed, then SPIOJKEY and SPIODSKY must be specified as well as SPIOASID. If instorage buffers are requested, then no SPOOL read is attempted. SPIOSSNM is the MVS system or JES2 member name the job is running on. If SPIOASID is not specified, then SPIOSSNM is not examined. For JES2, instorage buffers are only obtained when SPIOCTYP is set to 'HDB '. Otherwise the data is read from SPOOL. SPIOSSNM must be blank or the name of the system/member where the SPOOL read request originated.

End of Comment

60	(3C)	CHARACTER	8	SPIOSSNM	I.If instorage data buffers are needed, the system or JES2 member name where the job is running
68	(44)	SIGNED	2	SPIOASID	I.If instorage data buffers are needed, the ASID where the job is running
70	(46)	BITSTRING	1	SPIOOPT	I.Processing options
		1... ..		SPIORACF	"B'10000000" Perform RACF checks even if caller is authorized
71	(47)	BITSTRING	1		Reserved
72	(48)	SIGNED	4	(5)	Reserved for future use and must be zero
92	(5C)	ADDRESS	4	SPIOOUTA	O.Address of control block
96	(60)	SIGNED	4	SPIOOLEN	O.Number of bytes in buffer
100	(64)	SIGNED	4		Reserved
104	(68)	SIGNED	4		Reserved
108	(6C)	BITSTRING	1	SPIOIND1	O.Indicator field
		1... ..		SPIONSTG	"B'10000000" The control block was retrieved from an instorage buffer
109	(6D)	BITSTRING	3		Reserved
109	(6D)	X'70'	0	SPIOSZE1	**SPLIO" Parameter end-version 1 size
109	(6D)	X'70'	0	SPIOSZE	**SPLIO" Size of SPLIO

Comment

Reason codes
 Values of SSJIRETN when SSOBRETN is zero for function (values of SSJIFREQ) SSJISIOM and SSJISIRS.

End of Comment

109	(6D)	X'0'	0	SPIOOK	"0" Success
109	(6D)	X'4'	0	SPIONTVF	"4" The VERIFY was not successful
109	(6D)	X'8'	0	SPIOCBIO	"8" Spool control block I/O error
109	(6D)	X'C'	0	SPIOCBTK	"12" Spool control block invalid track
109	(6D)	X'10'	0	SPIOCBNG	"16" General control block problem
109	(6D)	X'14'	0	SPIOSTRG	"20" Error obtaining storage
109	(6D)	X'18'	0	SPIOSJER	"24" Error obtaining below the line storage
109	(6D)	X'1C'	0	SPIOILOG	"28" A logic error has occurred
109	(6D)	X'20'	0	SPIONSPL	"32" SPIOSTRP not initialized correctly
109	(6D)	X'24'	0	SPIONBUF	"36" Could not locate instorage buffer
109	(6D)	X'28'	0	SPIONSAF	"40" RACF failure accessing data

IAZSPLIO Cross Reference

IAZSPLIO Cross Reference

Name	Hex Offset	Hex Value
SPIOASID	44	
SPIOCBIO	6D	8
SPIOCBNG	6D	10
SPIOCBTK	6D	C
SPIOCTYP	20	
SPIODSKY	38	
SPIOILOG	6D	1C
SPIOIND1	6C	
SPIOJID	2C	
SPIOJKEY	34	
SPIOJNAM	24	
SPIOLEN	4	
SPIONBUF	6D	24
SPIONSAF	6D	28
SPIONSPL	6D	20
SPIONSTG	6C	80
SPIONTVF	6D	4
SPIOOK	6D	0
SPIOOLEN	60	
SPIOOPT	46	
SPIOOUTA	5C	
SPIORACF	46	80
SPIOSJER	6D	18
SPIOSPAD	18	
SPIOSSID	0	
SPIOSSNM	3C	
SPIOSTRG	6D	14
SPIOSTRP	C	
SPIOSZE	6D	70
SPIOSZE1	6D	70
SPIOUSER	C	
SPIOVERO	8	
SPLIO	0	
SPLIOVR#	6	1
SPLIOVRN	6	
SPLIOVR1	6	1

IAZSSJD Information

IAZSSJD Programming Interface information

Programming Interface information

IAZSSJD

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

- JDAESIZE
- JDAISIZE
- JDALSIZE
- JDAPSIZE
- JDASSIZE
- JDA2SIZE
- JDBCSIZE
- JDBHSIZE
- JDBOSIZE
- JDB2SIZE
- JDCCSIZE
- JDCHSIZE
- JDC2SIZE
- JDC3SIZE
- JDGCSIZE
- JDGHSIZE
- JDG2SIZE
- JDG3SIZE
- JDJBSIZE
- JDJCSIZE
- JDJHSIZE
- JDJSSIZE
- JDK2SIZE
- JDLCSIZE
- JDLHSIZE
- JDL2SIZE
- JDL3SIZE
- JDNCSIZE
- JDNHSIZE
- JDNISIZE
- JDNRSIZE
- JDN2SIZE
- JDN3SIZE
- JDOCSIZE
- JDOHSIZE
- JDO2SIZE
- JDPCSIZE
- JDPFSIZE
- JDPHSIZE
- JDPRSIZE
- JDPWSIZE
- JDP2SIZE
- JDP3SIZE
- JDRCSIZE
- JDRHSIZE
- JDRISIZE
- JDR2SIZE
- JDR3SIZE
- JDSCSIZE
- JDSGAVL
- JDSGDATA
- JDSGGEYE
- JDSGNEXT
- JDSGSIZE
- JDSGSTHL
- JDSGSTPL
- JDSGSTRG
- JDSGSTSP
- JDSGSTTL
- JDSHSIZE
- JDSISIZE
- JDSKSIZE
- JDSOSIZE
- JDS2SIZE
- JDUTSIZE
- JDU2SIZE
- JDU3SIZE
- JDWBSIZE
- JDWCSIZE
- JDWHSIZE
- JDWNSIZE
- JDW2SIZE
- JDXCSIZE
- JDXHSIZE
- JDXNSIZE
- JDXOSIZE
- JDX2SIZE
- JDYCSIZE
- JDYHSIZE
- JDYNSIZE
- JDYOSIZE
- JDY2SIZE
- SSJDSTRP
- SSJD TokN

End of Programming Interface information

IAZSSJD Heading Information • IAZSSJD Map

IAZSSJD Heading Information

Common Name: SSOB extension and other data structures used by the device information SSI (SSI 83)
Macro ID: IAZSSJD
DSECT Name: SSOB extension DSECT is SSJD. See below for DSECT names of data structures returned by the SSI.
Owning Component: JES Common (SC141)
Eye-Catcher ID: SSOB extension - 'SSJDPL'
 See individual DSECTs for the eye-catchers they use.
 Offset: SSJDEYE
 Length: L'SSJDEYE

Storage Attributes: Subpool: SSOB extension - determined by caller Data structures returned by the SSI - 230
 Key: SSOB extension - determined by caller Data structures returned by the SSI - key 1
 Residency: - SSOB extension: Virtual - anywhere in 31-bit storage Real - anywhere in 64 bit storage - Data structures returned by the SSI: Virtual - anywhere in 64-bit private storage (see option SSJDPD64) Real - anywhere in 64 bit storage

Size: See below for sizes of individual DSECTs
Created by: SSOB extension - by SSI caller
 Data structures returned by the SSI - by SSI code
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: This macro provides the mapping of the data structures used by the device information SSI (SSI 83):
 - SSOB extension (SSI parameters)
 - data structures returned by the SSI
 - internal storage managed by the SSI
 The SSI returns information about devices managed by the job entry subsystem.
 By default, SSI returns information only from the local system (the one where SSI was called).
 Options are provided to request information from other systems in a JESplex (JES2 - from other members of MAS).
 This SSI is supported by JES2 and JES3.

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'53'	0	SSOBSSJD	"83" Device information SSI
Comment					
Return codes from this SSI (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSJDOK	"0" Request successful
0	(0)	X'4'	0	SSJDERRW	"4" Request completed with possible errors, see SSJDRETN for reason code
0	(0)	X'8'	0	SSJDERRU	"8" Request cannot be completed due to user error, see SSJDRETN for reason code
0	(0)	X'C'	0	SSJDERRJ	"12" Request cannot be completed due to an internal (JES) error, SSJDRETN contains internal JES reason code
0	(0)	X'10'	0	SSJDPARM	"16" Parameter list (SSOB extension) has invalid format - it is not an SSJD, the version number is not supported or the SSJD is not large enough
0	(0)	X'14'	0	SSJDSTOR	"20" Request cannot be processed because storage cannot be obtained. No data can be returned to the caller
Comment					
Reason codes for non-zero return codes (SSJDRETN)					
End of Comment					
0	(0)	X'4'	0	SSJDFTRE	"4" Invalid or contradictory filter was requested
0	(0)	X'8'	0	SSJDSPTE	"8" Storage pointer is not valid
0	(0)	X'C'	0	SSJDSTRE	"12" Not enough storage
0	(0)	X'10'	0	SSJDSUBF	"16" Invalid subfunction requested
0	(0)	X'14'	0	SSJDLMTR	"20" Specified storage limit reached (see SSJDPLMT)
0	(0)	X'18'	0	SSJDINTE	"24" Internal error building system information data area
0	(0)	X'1C'	0	SSJDEYEE	"28" Incorrect eye catcher for the SSJD user parms area.
0	(0)	X'20'	0	SSJDUNSD	"32" SSJD Control block is wrong version
0	(0)	X'24'	0	SSJDSMLE	"36" SSJD Control block is wrong size
0	(0)	X'80'	0	SSJDSMAP	"128" Error with storage addressed by storage management anchor pointer - e.g. not key 1, fetch protected, incorrect eyecatcher
0	(0)	X'84'	0	SSJDSTGO	"132" STORAGE OBTAIN failed

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'88'	0	SSJDGLBL	"136" Global system is down level. SSI 83 is not supported on the global system (JES3)
0	(0)	X'8C'	0	SSJDPOST	"140" No response data received from the global (JES3)
0	(0)	X'90'	0	SSJDINVL	"144" Invalid response received from the global (JES3)
0	(0)	X'98'	0	SSJDRWIL	"152" SSJD1CHR = SSJDZOMO and not both are zero

Comment

The following data structure is an SSOB extension for SSI 83 - the parameter list which is passed on the call to the device information SSI.

End of Comment

0	(0)	DBL WORD	8	SSJD (0)	SSOB extension - SSI parameter list
0	(0)	CHARACTER	8	SSJDEYE	I.Eye catcher
8	(8)	ADDRESS	2	SSJDLNG	I.Length of parameter list
10	(A)	ADDRESS	2	SSJDVRM	I.Parm list ver/mod
10	(A)	X'A'	0	SSJDVER	"SSJDVRM,1,C'A" I.Parm list version
10	(A)	X'B'	0	SSJDMOD	"SSJDVRM+1,1,C'A" I.Parm list modification
10	(A)	X'1'	0	SSJDVER1	"1" - original version
10	(A)	X'0'	0	SSJDMOD0	"0" - original modification
10	(A)	BITSTRING	0	SSJDVRM1	"X'0100" - original ver/mod
10	(A)	BITSTRING	0	SSJDVRM1	"X'0100" - latest ver/mod
12	(C)	ADDRESS	2	SSJDSVRM	O.Subsystem ver/mod
12	(C)	X'C'	0	SSJDSVER	"SSJDSVRM,1,C'A" O.Subsystem version
12	(C)	X'D'	0	SSJDSMOD	"SSJDSVRM+1,1,C'A" O.Subsystem modification
12	(C)	X'1'	0	SSJDSVR1	"1" - original version
12	(C)	X'0'	0	SSJDSMD0	"0" - original modification
12	(C)	BITSTRING	0	SSJDSVM1	"X'0100" - original ver/mod
12	(C)	BITSTRING	0	SSJDSVM1	"X'0100" - latest ver/mod

Comment

Requested function:

- "obtain data" function returns device data in the storage managed by the SSI for that purpose. This function can be called as many times as needed. Each successive call will add more data to the output (unless SSJDPRLS option is used to release storage).
- "release storage" function will release storage used by the data returned by the SSI. Note that "release storage" function ignores all options and filters in the SSI parameter list.

End of Comment

14	(E)	ADDRESS	1	SSJDFREQ	I.Requested function:
14	(E)	X'4'	0	SSJDOBTD	"4" obtain data
14	(E)	X'8'	0	SSJDRSTG	"8" release storage

Comment

SSI supports several optional types of data.

Note: some of this data can be of a very large size or relatively costly to obtain or both.

Amount of data returned by the SSI in one call can be controlled using storage limit option.

Note: storage limit is not precise - SSI will return control to caller when a logical point in processing is used.

Incomplete call could be resumed using a restart option. SSI uses a SSJDTOKN field to resume processing.

Processing options and data selection filters should not be changed when a restart call is made.

End of Comment

15	(F)	BITSTRING	1	SSJDPOPT	I.Processing options:
		1... ..		SSJDPSSE	"B'10000000" return optional SNA session list (list of active LUs) with logon device data
		.1..		SSJDPSCK	"B'01000000" return optional active socket list with NETSRV device data
		.1.		SSJDPRND	"B'00100000" return optional reachable NJE node list with NJE connection or line device data

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		SSJDPLMT	"B'00010000" stop returning data when the data uses more storage than specified in SSJDLIMIT
		.... 1...		SSJDPRLS	"B'00001000" release storage used by old data before returning new data
		.... .1..		SSJDPRST	"B'00000100" restart interrupted processing using token in SSJDTOKN
		.... ..1.		SSJDP64	"B'00000010" return data in 64-bit virtual private storage
		.... ...1		SSJDPDMC	"B'00000001" perform security label dominance check (this check is always performed for non-authorized callers)
16	(10)	BITSTRING	1	SSJDPOP2	I.Processing options (2):
		1...		SSJDP2AD	"B'10000000" return additional data (line, logon or NETSRV device) with remote WS and NJE connection
		.1..		SSJDP2NF	"B'01000000" apply name filter (see SSJD6NAM) to NJE connections rather than devices of other types
		..1.		SSJDP2SD	"B'00100000" return all subdevices for the selected device regardless of filtering (applies to offloads, lines and NJE connections)
17	(11)	BITSTRING	1	SSJDFOPT	I.Output formatting options:
		1...		SSJDFLIN	"B'10000000" "line view" - data for remote workstations and NJE connections is arranged according to lines which are used to access them. To access the data use SSJDLIN8/SSJDLINP pointer. Otherwise, this data is arranged according to device type/class. To access the data, use pointers other than SSJDLIN8/SSJDLINP.
		.1..		SSJDFDRM	"B'01000000" Destination filter should also be checked vs. remote number for remote print/punch devices and device number for locals (JES2)

Comment

Specify SSJD1CHR and SSSJZOMO to tell the SSI service what characters in selection EBCDIC strings are considered wild cards.
 If SSJD1CHR and SSJZOMO are not specified, the default wild cards used are "?" for SSJD1CHR and " " for SSJZOMO. If either value is not X'00', i.e. if either is specified, then both provided values are used even if one value is X'00'.
 It is an error to specify equal values for SSJD1CHR and SSJZOMO unless the equal values are X'00'. If both X'00', the default values are used.

End of Comment

18	(12)	CHARACTER	1	SSJD1CHR	Wild card matching exactly one character
19	(13)	CHARACTER	1	SSJZOMO	Wild card matching 0 or more characters
20	(14)	SIGNED	4	SSJDLIMIT	I.Output size limit in KBytes (used with SSJDPLMT) - 0 means "no limit".

Comment

The fields that follow specify filters which can be used to limit output to a subset of available data. Implicit OR is performed between filters in the same filter group. E.g. if SSJDFLT1 (device status filter) is set to SSJD1ACT in addition to SSJD1INA, the SSI will return data for all active devices in addition to data for all inactive devices.
 Implicit AND is performed between filters in the different filter groups. E.g. if SSJDFLT1 (device status filter) is set to SSJD1ACT and SSJDFLT6 is set to SSJD6NAM (device name filter), the SSI will return only those active devices which also have names, matching the name selection filter.
 If filter is not recognized (e.g. filter added in a future release), or does not apply for a particular device type, it will not have impact on result. For example, JES3-only filters will not have impact on output from JES2.
 NOTE: All filtering considerations apply to JES2 only.

End of Comment

24	(18)	BITSTRING	3	(0)	IS.Device status filter group - includes all filters in SSJDFLT1 and SSJDFLT2 (see descriptions of device statuses later in this macro):
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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
24	(18)	BITSTRING 1...1.1.1 1... 111.	1	SSJDFLT1 SSJD1ACT SSJD1INA SSJD1HOT SSJD1DRG SSJD1DRN SSJD1NRM	IS.Filter by device status (1): "B'10000000" select active devices "B'01000000" select inactive devices "B'00100000" select printers with hot writer (JES3) "B'00010000" select draining devices "B'00001000" select drained devices (JES2) or offline devices (JES3) "B'11100000" composite status - select devices in a "normal" state. Devices in this state are available to process work
25	(19)	BITSTRING 1... .... .1. .... .1. .... ...1 1... 1... 1... ..11 11.. 1. .... ..1	1	SSJDFLT2 SSJD2STE SSJD2STG SSJD2HTD SSJD2PAU SSJD2HTG SSJD2INT SSJD2PRB SSJD2NRS SSJD2END	IS.Filter by device status (2): "B'10000000" select startable devices "B'01000000" select starting devices "B'00100000" select halted devices "B'00010000" select paused devices "B'00001000" select halting devices "B'00000100" select devices requiring intervention/attention "B'00111100" composite status - select devices in a "problem" state. Devices in this state may require operator attention "B'00000010" select not responding devices "B'00000001" select devices with processor ended due to error (JES2)
26	(1A)	BITSTRING	1		Reserved
27	(1B)	BITSTRING	3	(0)	IS.Device type filter group - includes all filters in SSJDFLT3 and SSJDFLT4
27	(1B)	BITSTRING 1... .... .1. .... .1. .... ...1 1... 1... .... ..1. .... ..1 1.1. 1.1	1	SSJDFLT3 SSJD3PRT SSJD3PUN SSJD3RDR SSJD3CON SSJD3JXM SSJD3JRC SSJD3SXM SSJD3SRC SSJD3XMT SSJD3RCV	IS.Filter by device type (1): "B'10000000" select printers "B'01000000" select punches "B'00100000" select readers "B'00010000" select consoles "B'00001000" select job transmitters "B'00000100" select job receivers "B'00000010" select SYSOUT transmitters "B'00000001" select SYSOUT receivers "B'00001010" composite device type filter - select all transmitters "B'00000101" composite device type filter - select all receivers
28	(1C)	BITSTRING 1... .... .1. .... .1. .... ...1 1... 1...	1	SSJDFLT4 SSJD4LIN SSJD4LGN SSJD4NSV SSJD4OFL SSJD4NJE	IS.Filter by device type (2): "B'10000000" select line devices "B'01000000" select logon devices "B'00100000" select NETSRV devices "B'00010000" select OFFLOAD devices "B'00001000" select NJE connections
29	(1D)	BITSTRING	1		Reserved
30	(1E)	BITSTRING	2	(0)	IS.Device class filter group includes all filters in SSJDFLT5
30	(1E)	BITSTRING 1... .... .1. .... .1. .... ...1 1... 1... 1..	1	SSJDFLT5 SSJD5LCL SSJD5RMT SSJD5OFL SSJD5NJE SSJD5IFC SSJD5INT	IS.Filter by device class: "B'10000000" select local devices "B'01000000" select remote devices "B'00100000" select OFFLOAD devices (transmitters and receivers) "B'00010000" select NJE devices (transmitters and receivers) "B'00001000" select interface devices (logon and NETSRV devices) "B'00000100" select internal devices
31	(1F)	BITSTRING	1		Reserved

Comment

Remaining filters are independent and are not
combined in filter groups.

End of Comment

32	(20)	BITSTRING 1...1.1.1 1...	1	SSJDFLT6 SSJD6NAM SSJD6DGN SSJD6SYS SSJD6MBR SSJD6LIN	IS.Device attribute filters: "B'10000000" by device name (see SSJDDVNM) "B'01000000" by device group name (JES3) (see SSJDDGNM) "B'00100000" by owning system name (see SSJDSYSN) "B'00010000" by owning member name (JES2) (see SSJDMBRN) "B'00001000" by related line name (see SSJDLNMM) (JES2)
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IAZSSJD Map

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

<p>The following filters only apply to devices, which support the relevant attribute. Applying these filters to other devices will not impact the result. E.g. if device type filter was used to select line devices, specifying filters over work selection criteria will not have any effect on the result - because line devices do not have work selection criteria.</p>					

					End of Comment
33	(21)	BITSTRING 1... .... .1. .... ..1. .... ...1 1.. .... .1. .... ..1.	1	SSJDFLT7 SSJD7RWN SSJD7NJJN SSJD7NJA SSJD7NJK SSJD7NJB SSJD7NJS SSJD7NJT	IS.Filters which only apply to specific device types (1): "B'10000000" select remote devices by remote workstation name (see SSJDRWNNM) (JES2) "B'01000000" select NJE devices by adjacent node name (see SSJDADJN) (JES2) "B'00100000" select SNA NJE connections by SNA application name (see SSJDAPNM) (JES2) "B'00010000" select TCP NJE connections by TCP socket name (see SSJDSKNM) (JES2) "B'00001000" select remote and NJE devices connected via BSC "B'00000100" select remote and NJE devices connected via SNA "B'00000010" select remote and NJE devices connected via TCP/IP
34	(22)	BITSTRING 1... .... .1.	1	SSJDFLT8 SSJD8JES SSJD8FSS	IS.Filters which only apply to specific device types (2): "B'10000000" select JES mode printers "B'01000000" select FSS mode printers
35	(23)	BITSTRING 1... .... .1. .... ..1. .... ...1 1.. .... .1. .... ..1.	1	SSJDFLT9 SSJD9CLS SSJD9FRM SSJD9JBN SSJD9DST SSJD9WRT SSJD9PRM	IS.Filters which only apply to specific device types (3) - by work selection criteria: "B'10000000" select by output class name (see SSJDWSCL) "B'01000000" select by form name (see SSJDWSFM) "B'00100000" select by job name (see SSJDWSJN) "B'00010000" select by destination id (see SSJDWSDS) "B'00001000" select by writer name (see SSJDWSWR) "B'00000100" select by processing mode (see SSJDWSPR)
36	(24)	BITSTRING 1... .... .1.	1	SSJDFLTZ SSJDZJOB SSJDZCRT	IS.Filters which only apply to specific device types (4) - by attributes of the work unit currently processed by device: "B'10000000" select by name of the job currently processed (see SSJDAJOB) "B'01000000" select by owner of the job currently processed or by creator of the SYSOUT dataset currently processed (see SSJDACRT)
37	(25)	BITSTRING	5		Reserved
					Comment

Device name filter consists of two parts:
 - wildcard filter (SSJDDVNM)
 - name list filter (SSJDDVNA and SSJDDVN#)
 Device will pass the filter if it matches any of these two parts.
 Both parts of device name filter are controlled by the same bit (SSJD6NAM).
 Name list is specified by a pointer to a list (SSJDDVNA) and number of elements in a list (SSJDDVN#). Each element in a list is a pair of 10-character device names, which define a range of device names.
 To disable the wildcard part of the filter, set it to blanks. To disable the list part of the filter, set pointer or number of elements to zero.
 For example, one way to select devices with names LINE1 and PRT100-PRT200 is to set wildcard

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<p>part to 'LINE1' (this will match a single device name), and create a list with one element - a pair of values 'PRT100' and 'PRT200' (this will match a range of device names).</p> <p>The device name filter should return the matching device regardless of what is set for device type and class filters. So, for example, if SSJD5RMT is set to indicate remote subdevices, and a device name of PRT5 is specified, then all remote devices and local device PRT5 will be returned.</p>					

| End of Comment |					
42	(2A)	CHARACTER	10	SSJDDVNM	IS*.Device name for selection (used with SSJD6NAM)
52	(34)	ADDRESS	4	SSJDDVNA	IS. Pointer to device name range list (used with SSJD6NAM)
56	(38)	SIGNED	4	SSJDDVN#	IS. Number of elements in device name range list (used with SSJD6NAM)
| Comment |					

<p>Device group name filter consists of two parts:</p> <ul style="list-style-type: none"> - wildcard filter (SSJDDGNM) - name list filter (SSJDDGNA and SSJDDGN#) <p>Device group will pass the filter if it matches any of these two parts.</p> <p>Both parts of device group name filter are controlled by the same bit (SSJD6DGN).</p> <p>Name list is specified by a pointer to a list (SSJDDGNA) and number of elements in a list (SSJDDGN#). Each element in a list is a pair of 8-character device group names, which define a range of device group names.</p> <p>To disable the wildcard part of the filter, set it to blanks. To disable the list part of the filter, set pointer or number of elements to zero.</p> <p>For example, to select device groups with names DGRP1 and DGRP100-DGRP200, set wildcard part to 'DGRP1' (this will match a single device group), and create a list with one element - a pair of values 'DGRP100' and 'DGRP200' (this will match a range of device group names).</p>					

| End of Comment |					
60	(3C)	CHARACTER	8	SSJDDGNM	IS*.Device group name for selection (used with SSJD6DGN)
68	(44)	ADDRESS	4	SSJDDGNA	IS. Pointer to device group name list (used with SSJD6DGN)
72	(48)	SIGNED	4	SSJDDGN#	IS. Number of elements in device group name list (used with SSJD6DGN)
76	(4C)	CHARACTER	8	SSJDSYSN	IS*.System name for selection (used with SSJD6SYS)
84	(54)	CHARACTER	8	SSJDMBRN	IS*.Member name for selection (used with SSJD6MBR)
92	(5C)	CHARACTER	10	SSJDLNMM	IS*.Line name for selection (used with SSJD6LIN)
102	(66)	CHARACTER	10	SSJDRWNN	IS*.Remote workstation name for selection (used with SSJD7RWN)
112	(70)	CHARACTER	8	SSJDADJN	IS*.Adjacent node name for selection (used with SSJD7NJN)
120	(78)	CHARACTER	8	SSJDAPNM	IS*.SNA application name for selection (used with SSJD7NJA)
128	(80)	CHARACTER	8	SSJDSKNN	IS*.TCP socket name for selection (used with SSJD7NJK)
136	(88)	CHARACTER	8	SSJDWSCL	IS*.Output class name for selection (used with SSJD9CLS)
144	(90)	CHARACTER	8	SSJDWSFM	IS*.Form name for selection (used with SSJD9FRM)
152	(98)	CHARACTER	8	SSJDWSJN	IS*.Job name for selection (used with SSJD9JBN)
160	(A0)	CHARACTER	18	SSJDWSDS	IS*.Destination id for selection (used with SSJD9DST)
178	(B2)	CHARACTER	8	SSJDWSWR	IS*.Writer name for selection (used with SSJD9WRT)
186	(BA)	CHARACTER	8	SSJDWSPR	IS*.Processing mode for selection (used with SSJD9PRM)
194	(C2)	CHARACTER	8	SSJDAJOB	IS*.Name of the job currently processed by device (used with SSJDZJOB)
202	(CA)	CHARACTER	8	SSJDACRT	IS*.Owner of the job currently processed or creator of SYSOUT currently processed (used with SSJDZCRM)
210	(D2)	BITSTRING	2		Reserved

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>Destination filter consists of two parts:</p> <ul style="list-style-type: none"> - wildcard filter (SSJDWSDS - see above) - name list filter (SSJDDSTA and SSJDDDST#) <p>Destination will pass the filter if it matches any of these two parts.</p> <p>Both parts of destination name filter are controlled by the same bit (SSJD9DST). Name list is specified by a pointer to a list (SSJDDSTA) and number of elements in a list (SSJDDDST#). Each element in a list is a 18-character destination name.</p> <p>To disable the wildcard part of the filter, set it to blanks. To disable the list part of the filter, set pointer or number of elements to zero.</p>					
End of Comment					
212	(D4)	ADDRESS	4	SSJDDSTA	IS. Pointer to destination name list (used with SSJD6DGN)
216	(D8)	SIGNED	4	SSJDDST#	IS. Number of elements in destination name list (used with SSJD6DGN)
220	(DC)	SIGNED	4	(8)	Reserved
Comment					
Output fields set by the SSI.					
End of Comment					
252	(FC)	SIGNED	4	SSJDRETN	O.Reason code for a return code in SSOBRETN. Provides more details about an error
256	(100)	ADDRESS	8	SSJDLCL8	O.Ptr to chain of local devices
256	(100)	X'104'	0	SSJDLCLP	"SSJDLCL8+4,4,C'A" 31-bit part of a pointer
264	(108)	ADDRESS	8	SSJDRMT8	O.Ptr to chain of remote (RJE) workstations (see JDWHRMTW)
264	(108)	X'10C'	0	SSJDRMTP	"SSJDRMT8+4,4,C'A" 31-bit part of a pointer
272	(110)	ADDRESS	8	SSJDNJE8	O.Ptr to chain of NJE connections (see JDJHNJEC)
272	(110)	X'114'	0	SSJDNJEP	"SSJDNJE8+4,4,C'A" 31-bit part of a pointer
280	(118)	ADDRESS	8	SSJDOFL8	O.Ptr to chain of OFFLOAD devices (see JDOHOFLD)
280	(118)	X'11C'	0	SSJDOFLP	"SSJDOFL8+4,4,C'A" 31-bit part of a pointer
288	(120)	ADDRESS	8	SSJDIFC8	O.Ptr to chain of interface devices (see JDGHLOGN and JDNHNSRV)
288	(120)	X'124'	0	SSJDIFCP	"SSJDIFC8+4,4,C'A" 31-bit part of a pointer
296	(128)	ADDRESS	8	SSJDLIN8	O.Ptr to chain of line devices (see JDLHLINE)
296	(128)	X'12C'	0	SSJDLINP	"SSJDLIN8+4,4,C'A" 31-bit part of a pointer
304	(130)	ADDRESS	8	SSJDSIN8	O.Ptr to system/member data (see JDSIHDR)
304	(130)	X'134'	0	SSJDSINP	"SSJDSIN8+4,4,C'A" 31-bit part of a pointer
312	(138)	SIGNED	4	SSJDLCL#	O.Number of local devices returned (in SSJDLCL8/SSJDLCLP chain)
316	(13C)	SIGNED	4	SSJDRMT#	O.Number of remote workstations returned (in SSJDRMT8/SSJDRMTP chain)
320	(140)	SIGNED	4	SSJDRDV#	O.Number of remote subdevices returned (on all JDWHDEV8 chains)
324	(144)	SIGNED	4	SSJDNJE#	O.Number of NJE connections returned (in SSJDNJE8/SSJDNJEP chain)
328	(148)	SIGNED	4	SSJDJDV#	O.Number of NJE subdevices returned (on all JDJHDEV8 chains)
332	(14C)	SIGNED	4	SSJDOFL#	O.Number of OFFLOAD devices returned (in SSJDOFL8/SSJDOFLP chain)
336	(150)	SIGNED	4	SSJDODV#	O.Number of offload subdevices returned (on all JDOHDEV8 chains)
340	(154)	SIGNED	4	SSJDSRV#	O.Number of interface devices returned (in SSJDIFC8/SSJDIFCP chain)
344	(158)	SIGNED	4	SSJDLIN#	O.Number of line devices returned (in SSJDLIN8/SSJDLINP chain)
348	(15C)	SIGNED	4	SSJDNV#	O.Number of line subdevices returned (on all JDLHDEV8 chains)
352	(160)	SIGNED	4	SSJDSIN#	O.Number of system/member data areas (in SSJDSIN8/SSJDSINP chain)
356	(164)	BITSTRING	12		Reserved
Comment					
<p>SSJDSTRP is a storage management anchor for use by the SSI. The caller must set this field to zero on the first call to SSI and after that this field is managed by the subsystem.</p>					
End of Comment					
368	(170)	ADDRESS	8	SSJDSTRP	O.Storage management anchor

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>SSJDTOKN is a token generated by subsystem when SSI call is interrupted according to storage limit option. SSI will resume processing from a place indicated by the token if restart option is selected.</p> <p>The caller must set this field to zero on the first call to SSI and after that this field is managed by the subsystem.</p>					
End of Comment					
376	(178)	BITSTRING	32	SSJDTOKN	O.Continuation token (used with SSJDPST)
408	(198)	SIGNED	4	(10)	Reserved
408	(198)	X'1C0'	0	SSJDSZE1	"*-SSJD" Version 1 length
408	(198)	X'1C0'	0	SSJDSIZE	"*-SSJD" Current version length
408	(198)	X'1E0'	0	SSJLEN8	"((SSOBHSIZ+7)/8)*8+SSJDSIZE" Total length of SSOB with SSOB extension
Comment					
<p>Subsequent definitions describe data returned by the device information SSI.</p> <p>Definition of common symbols</p> <p>-----</p> <p>Supported device groups</p> <p>-----</p>					
End of Comment					
		...1		JDDGCONS	"X'10" Consoles
		..1.		JDDGIFC	"X'20" Interface devices (logon devices and NETSRV)
		..11		JDDGLINE	"X'30" Lines
		.1.		JDDGOFLD	"X'40" OFFLOAD devices
		.1.1		JDDGPRT	"X'50" Printers
		.11.		JDDGPUN	"X'60" Punches
		.111		JDDGRDR	"X'70" Readers
		1...		JDDGRCV	"X'80" Receivers
		1.1.		JDDGXMT	"X'90" Transmitters
Comment					
<p>-----</p> <p>Supported device types</p> <p>-----</p>					
End of Comment					
408	(198)	X'11'	0	JDDTCONS	"JDDGCONS+1" Console X'11'
408	(198)	X'21'	0	JDDTLOGN	"JDDGIFC+1" Logon device X'21'
408	(198)	X'22'	0	JDDTNSRV	"JDDGIFC+2" NETSRV X'22'
408	(198)	X'31'	0	JDDTLINE	"JDDGLINE+1" Line X'31'
408	(198)	X'41'	0	JDDTOFLD	"JDDGOFLD+1" OFFLOAD device X'41'
408	(198)	X'51'	0	JDDTPRT	"JDDGPRT+1" Printer X'51'
408	(198)	X'61'	0	JDDTPUN	"JDDGPUN+1" Punch X'61'
408	(198)	X'71'	0	JDDTRDR	"JDDGRDR+1" Reader X'71'
408	(198)	X'81'	0	JDDTJRCV	"JDDGRCV+1" Job receiver X'81'
408	(198)	X'82'	0	JDDTSRCV	"JDDGRCV+2" SYSOUT receiver X'82'
408	(198)	X'91'	0	JDDTJXMT	"JDDGXMT+1" Job transmitter X'91'
408	(198)	X'92'	0	JDDTSXMT	"JDDGXMT+2" SYSOUT transmitter X'92'
Comment					
<p>-----</p> <p>Supported device classes</p> <p>-----</p>					
End of Comment					
		.... ...1		JDDCLCL	"X'01" Local devices
		.... ..1.		JDDCIFC	"X'02" Interface devices (logon and NETSRV devices)
		.... ...11		JDDCINT	"X'03" Internal devices
		.... ..1..		JDDCNJE	"X'04" NJE devices
		.... ..1.1		JDDCOFLD	"X'05" OFFLOAD devices
		.... ..11.		JDDCRMT	"X'06" Remote devices

IAZSSJD Map

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

Matrix of supported device class/device type combinations.					
J J J J J J					
D D D D D D					
D D D D D D					
C C C C C C					
L I I N O R					
C F N J F M					
L C T E L T					
D					
JDDTCONS X					
JDDTLOGN X					
JDDTNSRV X					
JDDTLINE X					
JDDTOFLD X					
JDDTPRT X X					
JDDTPUN X X					
JDDTRDR X X X					
JDDTJRCV X X					
JDDTSRCV X X					
JDDTJXMT X X					
JDDTSXMT X X					

Device status equates.					
Status for all devices reported by the SSI is represented as two status bytes.					
Full device status may be a combination of more than one basic status (bit).					
Bits in the status bytes are defined as follows:					

First status byte					

					End of Comment
		1.. ..		JDST1ACT	"B'10000000" Active - device is currently busy processing work
		.1.. ..		JDST1INA	"B'01000000" Inactive - device is ready for work but is not processing work now Available (JES3)
		...1 ..		JDST1DRG	"B'00010000" Draining - device is active but will stop after the current unit of work (JES2) Ending (JES3)
		.... 1..		JDST1DRN	"B'00001000" Drained - device is configured but is not available (JES2) Offline (JES3)
		.... .1..		JDST1ACO	"B'00000100" Device is active but varied offline (JES3)
					Comment

Second status byte					

					End of Comment
		1.. ..		JDST2STE	"B'10000000" Startable - device is not ready for work, but has necessary resources to be started
		.1.. ..		JDST2STG	"B'01000000" Starting - device is in the process of being started
		..1.		JDST2HTD	"B'00100000" Halted - device was halted via HALT command
		...1		JDST2PAU	"B'00010000" Paused - device was paused via PAUSE command
		.... 1..		JDST2HTG	"B'00001000" Halting - device is in the process of being halted
		.... .1..		JDST2INT	"B'00000100" Intervention required - device needs operator attention
		.... ..1.		JDST2NRS	"B'00000010" Device not responding
		.... ...1		JDST2END	"B'00000001" Ended - Processor ended due to error (JES2)
					Comment

Attributes used in work selection criteria					

					End of Comment

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		JDWSCLAS	"X'01" Class
		.... ..1.		JDWSCRTN	"X'02" Owner/creator of unit of work
		.... ..11		JDWSFCBN	"X'03" FCB name
		.... ..1..		JDWSFLID	"X'04" Flash id
		.... ..1.1		JDWSFORM	"X'05" Form name
		.... ..11.		JDWSJBID	"X'06" Job id/number range
		.... ..111		JDWSJBNM	"X'07" Jobname
		.... 1...		JDWSOPTY	"X'08" Output priority
		.... 1..1		JDWSPRMD	"X'09" Processing mode
		.... 1.1.		JDWSUCSN	"X'0A" UCS name
		.... 1..1		JDWSBRST	"X'21" Burst setting (JES2)
		..1. ..1.		JDWSHLDI	"X'22" Hold indicator (JES2)
		..1. ..11		JDWSJBLM	"X'23" Job size limit in records (JES2)
		..1. ..1..		JDWSMBAF	"X'24" MAS member affinity (JES2)
		..1. ..1.1		JDWSOUTD	"X'25" OUTDISP setting (JES2)
		..1. ..11.		JDWSRCJ2	"X'26" Route code/destination (JES2)
		..1. ..111		JDWSSCHE	"X'27" Scheduling environment (JES2)
		..1. 1...		JDWSSLSH	"X'28" "Slash" - separates "must have" attributes from preferences (JES2)
		..1. 1..1		JDWSSOSP	"X'29" SYSOUT size limit (pages) (JES2)
		..1. 1.1.		JDWSSOSR	"X'2A" SYSOUT size limit (records) (JES2)
		..1. 1.11		JDWSSRVC	"X'2B" Service class (JES2)
		..1. 11..		JDWSSVAF	"X'2C" Spool volume affinity (JES2)
		..1. 11.1		JDWSUSRD	"X'2D" User-defined criteria (JES2)
		..1. 111.		JDWSWRTN	"X'2E" Writer name (JES2)
		..11 ...1		JDWSCHRS	"X'31" CHARS setting (JES3)
		..11 ..1.		JDWSCPID	"X'32" Copy modification id (JES3)
		..11 ..11		JDWSDEVT	"X'33" Device type (JES3)
		..11 ..1..		JDWSRCJ3	"X'34" Route code/destination (JES3)
		..11 ..1.1		JDWSSTAK	"X'35" Stacker setting (JES3)

Comment

Data structures returned by the SSI.

After successful call to the SSI, data areas with data for specific device types are added to chains pointed to by the following fields in the parameter list:

- SSJDLCL8/SSJDLCLP - chain of local devices
- SSJDRMT8/SSJDRMTP - chain of remote workstations
- SSJDNJE8/SSJDNJEP - chain of NJE connections
- SSJDOFL8/SSJDOFLP - chain of OFFLOAD devices
- SSJDIFC8/SSJDIFCP - chain of interface devices
- SSJDLIN8/SSJDLINP - chain of line devices

Data area for each device consists of the following contiguous data structures:

- header, which has an eye catcher and contains all pointers used for chaining data structures
- prefix section, which defines the type of data contained within this header and also accounts for the length of all sections within the header
- one or more data sections, which contain data specific for a particular device

Each section has a section type and section type modifier. Modifier 0 is reserved for a prefix section.

In addition, field SSJDSIN8/SSJDSINP points to a chain of system information data areas. One such data area is returned for each SSI call, provided that at least one system/member matches system and member selection filters. This data area returns basic data about systems (or members) in a JESplex, which were processed to obtain data for this SSI call.

System information data area consists of the following contiguous data structures:

- Header (JDSIHDR)
- Prefix section (JPSYSPRF in macro IAZJPLXI)
- System information section (JPSYSINF in macro IAZJPLXI)

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Note that repeated calls to the "obtain data" subfunction of this SSI (SSJDOBTD) without intervening call to "release storage" subfunction (SSJDRSTG), will cause data from a new SSI call to be prepended to data from an earlier SSI call.					
Section types and modifiers - these values identify the type of data contained in the data sections returned by the SSI.					
End of Comment					
408	(198)	X'1'	0	JDTYCONS	"1" Console data
408	(198)	X'2'	0	JDTYLOGN	"2" Logon device data
408	(198)	X'3'	0	JDTYNSRV	"3" NETSRV data
408	(198)	X'4'	0	JDTYLINE	"4" Line data
408	(198)	X'5'	0	JDTYPRPU	"5" Printer/punch data
408	(198)	X'6'	0	JDTYRDR	"6" Reader device data
408	(198)	X'7'	0	JDTYOFLD	"7" OFFLOAD device data
408	(198)	X'8'	0	JDTYJBRC	"8" Job receiver data
408	(198)	X'9'	0	JDTYSYRC	"9" SYSOUT receiver data
408	(198)	X'A'	0	JDTYJBXM	"10" Job transmitter data
408	(198)	X'B'	0	JDTYSYXM	"11" SYSOUT transmitter data
408	(198)	X'C'	0	JDTYNJEC	"12" NJE Connection data
408	(198)	X'D'	0	JDTYRMTW	"13" Remote workstation data
408	(198)	X'E'	0	JDTYAPPL	"14" SNA application section
408	(198)	X'F'	0	JDTYSOCK	"15" TCP socket section
408	(198)	X'10'	0	JDTYRNOD	"16" Reachable NJE nodes section
408	(198)	X'11'	0	JDTYACLU	"17" Active LU list section (SNA session list)
408	(198)	X'12'	0	JDTYACSK	"18" Active TCP socket list section
408	(198)	X'13'	0	JDTYJOB1	"19" Active job information section
408	(198)	X'14'	0	JDTYOUTI	"20" Active output information section
408	(198)	X'FF'	0	JDTYJRSV	"255" Reserved for internal JES use
Comment					

Modifiers for console data (JDTYCONS)					

End of Comment					
	....	....		JDMDCNPX	"X'00" Prefix section
	....	...1		JDMDCNCM	"X'01" Console device common section
	..1.	....		JDMDCNJ2	"X'20" Console device JES2 section
	..11	....		JDMDCNJ3	"X'30" Console device JES3 section
Comment					

Modifiers for logon device data (JDTYLOGN)					

End of Comment					
	....	....		JDMDLGPX	"X'00" Prefix section
	....	...1		JDMDLGCM	"X'01" Logon device common section
	..1.	....		JDMDLGJ2	"X'20" Logon device JES2 section
	..11	....		JDMDLGJ3	"X'30" Logon device JES3 section
Comment					

Modifiers for NETSRV data (JDTYNSRV)					

End of Comment					
	....	....		JDMDNSPX	"X'00" Prefix section
	....	...1		JDMDNSCM	"X'01" NETSRV device common section
	..1.	....		JDMDNSJ2	"X'20" NETSRV device JES2 section
	..11	....		JDMDNSJ3	"X'30" NETSRV device JES3 section

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

Modifiers for line data (JDYLINE)					

End of Comment					
			JDMDLNPX	"X'00" Prefix section
		.... ..1		JDMDLNCM	"X'01" Line device common section
		..1.		JDMDLNJ2	"X'20" Line device JES2 section
		..11		JDMDLNJ3	"X'30" Line device JES3 section
Comment					

Modifiers for printer/punch data (JDYPRPU)					

End of Comment					
			JDMDPPFX	"X'00" Prefix section
		.... ..1		JDMDPPCM	"X'01" Printer/punch common section
		..1.		JDMDPPJ2	"X'20" Printer/punch JES2 section
		..11		JDMDPPJ3	"X'30" Printer/punch JES3 section
		.... ..1		JDMDPPWS	"X'02" Prt/punch work selection section
		.... ..11		JDMDPPFS	"X'03" N/I printer section
		.... ..1.		JDMDPPRM	"X'04" Remote printer section
Comment					

Modifiers for reader device data (JDYRDR)					

End of Comment					
			JDMDRDPX	"X'00" Prefix section
		.... ..1		JDMDRDCM	"X'01" Reader device common section
		..1.		JDMDRDJ2	"X'20" Reader device JES2 section
		..11		JDMDRDJ3	"X'30" Reader device JES3 section
		.... ..1.		JDMDRDIN	"X'02" Internal reader section
Comment					

Modifiers for OFFLOAD device data (JDYOFLD)					

End of Comment					
			JDMDOFPX	"X'00" Prefix section
		.... ..1		JDMDOFCM	"X'01" OFFLOAD device common section
		..1.		JDMDOFJ2	"X'20" OFFLOAD device JES2 section
Comment					

Modifiers for job receiver data (JDYJBRC)					

End of Comment					
			JDMDJRPX	"X'00" Prefix section
		.... ..1		JDMDJRCM	"X'01" Job receiver common section
		..1.		JDMDJRJ2	"X'20" Job receiver JES2 section
		..1.		JDMDJROF	"X'21" Job receiver OFFLOAD section
Comment					

Modifiers for SYSOUT receiver data (JDYSYRC)					

End of Comment					
			JDMDSRPX	"X'00" Prefix section
		.... ..1		JDMDSRCM	"X'01" SYSOUT receiver common section

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		JDMSRJ2	"X'20" Job transmitter JES2 section
		..1. ...1		JDMSROF	"X'21" SYSOUT receiver OFFLOAD section
Comment					
----- Modifiers for job transmitter data (JDTYJBXM) -----					
End of Comment					
			JDMDJTPX	"X'00" Prefix section
		.... ...1		JDMDJTCM	"X'01" Job transmitter common section
		..1.		JDMDJTJ2	"X'20" Job transmitter JES2 section
		..1. ...1		JDMDJT2N	"X'21" Job transmitter NJE section
		..1. ..1.		JDMDJTOF	"X'22" Job transmitter OFFLOAD section
Comment					
----- Modifiers for SYSOUT transmitter data (JDTYSYXM) -----					
End of Comment					
			JDMDSTPX	"X'00" Prefix section
		.... ...1		JDMDSTCM	"X'01" SYSOUT transmitter common section
		..1.		JDMDSTJ2	"X'20" SYSOUT transmitter JES2 section
		..1. ...1		JDMDSTJN	"X'21" SYSOUT transmitter NJE section
		..1. ..1.		JDMDSTOF	"X'22" SYSOUT transmitter OFFLOAD section
Comment					
----- Modifiers for NJE connection data (JDTYNJEC) -----					
End of Comment					
			JDMDNJPX	"X'00" Prefix section
		.... ...1		JDMDNJCM	"X'01" NJE Connection common section
Comment					
----- Modifiers for remote workstation data (JDTYRMTW) -----					
End of Comment					
			JDMDRWPX	"X'00" Prefix section
		.... ...1		JDMDRWCM	"X'01" Remote workstation common section
		..1.		JDMDRWJ2	"X'20" Remote workstation JES2 section
		.... ...1		JDMDRWBS	"X'02" Remote workstation BSC section
		.... ..11		JDMDRWSN	"X'03" Remote workstation SNA section
Comment					
----- Modifiers for SNA application data (JDTYAPPL) -----					
End of Comment					
		.... ...1		JDMDAPCM	"X'01" SNA application common section
		..1.		JDMDAPJ2	"X'20" SNA application JES2 section
Comment					
----- Modifiers for TCP socket data (JDTYSOCK) -----					
End of Comment					
		.... ...1		JDMSKCM	"X'01" TCP socket common section
		..1.		JDMSKJ2	"X'20" TCP socket JES2 section

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

Modifiers for active job data (JDYJOB)					

End of Comment					
		.... ...1		JDMDJBCM	"X'01" Common section
Comment					

Modifiers for active output data (JDYOUT)					

End of Comment					
		.... ...1		JDMDOTCM	"X'01" Common section
		..1.		JDMDOTJ2	"X'20" JES2 section
		..11		JDMDOTJ3	"X'30" JES3 section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDCXPREF	, Prefix section
0	(0)	ADDRESS	4	JDCXLNG	In a prefix section - total length of all sections for this header (not including header itself) In all other sections - length of that section
4	(4)	ADDRESS	1	JDCXTYPE	Section type
5	(5)	ADDRESS	1	JDCXMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDCXDATA (0)	Beginning of section data
8	(8)	X'8'	0	JDCXSIZE	"-JDCXPREF" Prefix section size

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDCHCONS	, Console device header
0	(0)	CHARACTER	8	JDCHEYE	Eye catcher
8	(8)	ADDRESS	2	JDCHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDCHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDCHJPLX	"JDCHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDCHNEX8	Address of header of the next device (this remote)
24	(18)	X'1C'	0	JDCHNEXT	"JDCHNEX8+4,4,C'A" 31-bit part of a pointer
32	(20)	ADDRESS	8	JDCHPAR8	Address of parent device (remote or line)
32	(20)	X'24'	0	JDCHPARN	"JDCHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDCHSIZE	"-JDCHCONS" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDCCCONS	, Console device common section
0	(0)	ADDRESS	4	JDCCLNG	Length of this section
4	(4)	ADDRESS	1	JDCCTYPE	Section type
5	(5)	ADDRESS	1	JDCCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDCCDEVT	Device type
9	(9)	ADDRESS	1	JDCCDEVC	Device class
10	(A)	CHARACTER	10	JDCCNAME	Device name
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	2	JDCCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDCCSTA1	first status byte
29	(1D)	BITSTRING	1	JDCCSTA2	second status byte
30	(1E)	CHARACTER	8	JDCCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDCCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDCCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	CHARACTER	8	JDCCSTA	Status, character value
56	(38)	X'40'	0	JDCCSIZE	"-JDCCCONS" Size of console common section (internal use only)

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDC2CONS	, Console device JES2 section
0	(0)	ADDRESS	4	JDC2LNG	Length of this section
4	(4)	ADDRESS	1	JDC2TYPE	Section type
5	(5)	ADDRESS	1	JDC2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDC2DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDC2SIZE	""-JDC2CONS" Size of console JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDC3CONS	, Console device JES3 section
0	(0)	ADDRESS	4	JDC3LNG	Length of this section
4	(4)	ADDRESS	1	JDC3TYPE	Section type
5	(5)	ADDRESS	1	JDC3MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDC3AUTH	Authority level (0-15)
9	(9)	BITSTRING	3		Reserved

Comment

 Array of routing codes
 This is variable size array of fixed-size
 character strings which represent routing codes.

End of Comment

12	(C)	ADDRESS	2	JDC3RTCO	Offset from the beginning of DSECT to the first Routing Code
14	(E)	ADDRESS	2	JDC3RTC#	Number of elements in array
16	(10)	ADDRESS	2	JDC3RTCL	Length of each element

Comment

 Array of destination classes
 This is variable size array of fixed-size
 character strings which represent destination
 classes.

End of Comment

18	(12)	ADDRESS	2	JDC3DSTO	Offset from the beginning of DSECT to the first Destination Class
20	(14)	ADDRESS	2	JDC3DST#	Number of elements in array
22	(16)	ADDRESS	2	JDC3DSTL	Length of each element
22	(16)	X'18'	0	JDC3SIZE	""-JDC3CONS" Size of console JES3 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDGHLOGN	, Logon device header
0	(0)	CHARACTER	8	JDGHEYE	Eye catcher
8	(8)	ADDRESS	2	JDGHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	1	JDGHFLAG	Header flags
		1...		JDGHFHCN	"B'10000000" this header has continuation
		.1..		JDGHFICN	"B'01000000" this header is continuation
11	(B)	BITSTRING	5		Reserved
16	(10)	ADDRESS	8	JDGHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDGHJPLX	"JDGHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDGHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDGHNEXT	"JDGHNEX8+4,4,C'A" 31-bit part of a pointer
32	(20)	ADDRESS	8	JDGHPAR8	Address of parent device (remote, NJE conn or none)
32	(20)	X'24'	0	JDGHPARN	"JDGHPAR8+4,4,C'A" 31-bit part of a pointer
40	(28)	ADDRESS	8	JDGHCON8	Address of continuation header
40	(28)	X'2C'	0	JDGHCONT	"JDGHCON8+4,4,C'A" 31-bit part of a pointer
40	(28)	X'30'	0	JDGHSIZE	""-JDGHLOGN" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDGCLOGN	, Logon device common section
0	(0)	ADDRESS	4	JDGC LNG	Length of this section
4	(4)	ADDRESS	1	JDGC TYPE	Section type
5	(5)	ADDRESS	1	JDGC MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDGC DEVT	Device type
9	(9)	ADDRESS	1	JDGC DEVC	Device class
10	(A)	CHARACTER	10	JDGC NAME	Device name
20	(14)	CHARACTER	8	JDGC APPL	SNA application name
28	(1C)	BITSTRING	2	JDGC STAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDGC STA1	first status byte
29	(1D)	BITSTRING	1	JDGC STA2	second status byte
30	(1E)	CHARACTER	8	JDGC SYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDGC MBRN	JESplex member name
46	(2E)	CHARACTER	8	JDGC SECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	BITSTRING	1	JDGC FLAG	Processing flags:
		1...		JDGC FERR	"B'10000000" device is in error (not available)
		.1..		JDGC FPWD	"B'01000000" device password set
		..1.		JDGC FAUT	"B'00100000" auto restart
		...1		JDGC FTRC	"B'00010000" device trace requested
		.... 1...		JDGC FLOG	"B'00001000" device activity is logged (JES2)
57	(39)	BITSTRING	1		Reserved
58	(3A)	SIGNED	2	JDGC RINT	Auto restart interval (minutes)
60	(3C)	SIGNED	2	JDGC RETR	Max number of restart retries (0 - indefinite retry)
62	(3E)	BITSTRING	2		Reserved
64	(40)	CHARACTER	8	JDGC CSTA	Status, character value
64	(40)	X'48'	0	JDGC SIZE	"*-JDGCLOGN" Size of logon device common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDG2LOGN	, Logon device JES2 section
0	(0)	ADDRESS	4	JDG2 LNG	Length of this section
4	(4)	ADDRESS	1	JDG2 TYPE	Section type
5	(5)	ADDRESS	1	JDG2 MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDG2 DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDG2 SIZE	"*-JDG2LOGN" Size of logon JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDG3LOGN	, Logon device JES3 section
0	(0)	ADDRESS	4	JDG3 LNG	Length of this section
4	(4)	ADDRESS	1	JDG3 TYPE	Section type
5	(5)	ADDRESS	1	JDG3 MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDG3 DSPJ	JES3 DSP job id
16	(10)	SIGNED	2	JDG3 SNLM	Session limit
18	(12)	BITSTRING	2		Reserved
18	(12)	X'14'	0	JDG3 SIZE	"*-JDG3LOGN" Size of logon device JES3 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDNHNSRV	, NETSRV device header
0	(0)	CHARACTER	8	JDNHEYE	Eye catcher
8	(8)	ADDRESS	2	JDNHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	1	JDNHFLAG	Header flags
		1...		JDNHFHCN	"B'10000000" this header has continuation
		.1..		JDNHFICN	"B'01000000" this header is continuation
11	(B)	BITSTRING	5		Reserved
16	(10)	ADDRESS	8	JDNHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDNHJPLX	"JDNHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDNHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDNHNEXT	"JDNHNEX8+4,4,C'A" 31-bit part of a pointer
32	(20)	ADDRESS	8	JDNHPAR8	Address of parent device (NJE connection or 0)
32	(20)	X'24'	0	JDNHPARN	"JDNHPAR8+4,4,C'A" 31-bit part of a pointer
40	(28)	ADDRESS	8	JDNHCON8	Address of continuation header

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	X'2C'	0	JDNHCONT	"JDNHCON8+4,4,C'A" 31-bit part of a pointer
40	(28)	X'30'	0	JDNHSIZE	""-JDNHNSRV" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDNCNSRV	, NETSRV common section
0	(0)	ADDRESS	4	JDNCLNG	Length of this section
4	(4)	ADDRESS	1	JDNCTYPE	Section type
5	(5)	ADDRESS	1	JDNCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDNCDEVT	Device type
9	(9)	ADDRESS	1	JDNCDEVC	Device class
10	(A)	CHARACTER	10	JDNCNAME	Device name
20	(14)	CHARACTER	8	JDNCSKNNM	Local socket name
28	(1C)	BITSTRING	2	JDNCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDNCSTA1	first status byte
29	(1D)	BITSTRING	1	JDNCSTA2	second status byte
30	(1E)	CHARACTER	8	JDNCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDNCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDNCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	BITSTRING	1	JDNCFG1	Processing flags:
		1... ..		JDNC1AUT	"B'10000000" auto restart
		.1... ..		JDNC1TRB	"B'01000000" basic trace requested
		..1.		JDNC1TCM	"B'00100000" common code trace requested
		...1		JDNC1TEX	"B'00010000" extended trace requested
57	(39)	BITSTRING	1		Reserved
58	(3A)	ADDRESS	2	JDNCASID	NETSRV address space id
60	(3C)	CHARACTER	8	JDNCSTAK	TCP/IP stack name
68	(44)	BITSTRING	4		Reserved
72	(48)	CHARACTER	8	JDNCNSVJ	NETSRV job id
80	(50)	SIGNED	2	JDNCRINT	Auto restart interval (minutes)
82	(52)	SIGNED	2	JDNCRETR	Max number of restart retries (0 - indefinite retry)
84	(54)	CHARACTER	8	JDNCSTAS	Status, character value
84	(54)	X'5C'	0	JDNCNSIZE	""-JDNCNSRV" Size of NETSRV common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDN2NSRV	, NETSRV device JES2 section
0	(0)	ADDRESS	4	JDN2LNG	Length of this section
4	(4)	ADDRESS	1	JDN2TYPE	Section type
5	(5)	ADDRESS	1	JDN2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDN2DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDN2SIZE	""-JDN2NSRV" Size of NETSRV JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDN3NSRV	, NETSRV JES3 section
0	(0)	ADDRESS	4	JDN3LNG	Length of this section
4	(4)	ADDRESS	1	JDN3TYPE	Section type
5	(5)	ADDRESS	1	JDN3MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDN3DSPJ	JES3 DSP job id
8	(8)	X'10'	0	JDN3SIZE	""-JDN3NSRV" Size of NETSRV JES3 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDLHLINE	, Line device header
0	(0)	CHARACTER	8	JDLHEYE	Eye catcher
8	(8)	ADDRESS	2	JDLHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	1	JDLHFLAG	Header flags
		1... ..		JDLHFHCN	"B'10000000" this header has continuation
		.1... ..		JDLHFICN	"B'01000000" this header is continuation
11	(B)	BITSTRING	1		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	JDLHDEV#	Number of related devices in the chain (see JDLHDEV8)
16	(10)	ADDRESS	8	JDLHJPL8	Address of IAZJPLX1 for this device
16	(10)	X'14'	0	JDLHJPLX	"JDLHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDLHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDLHNEXT	"JDLHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDLHPAR8	Address of parent device (remote, NJE conn or none)
32	(20)	X'24'	0	JDLHPARN	"JDLHPAR8+4,4,C'A" 31-bit part of the pointer
40	(28)	ADDRESS	8	JDLHDEV8	Address of header of the first related device
40	(28)	X'2C'	0	JDLHDEV8	"JDLHDEV8+4,4,C'A" 31-bit part of the pointer
48	(30)	ADDRESS	8	JDLHCON8	Address of continuation
48	(30)	X'34'	0	JDLHCON8	"JDLHCON8+4,4,C'A" 31-bit part of the pointer
48	(30)	X'38'	0	JDLHSIZE	"-JDLHLINE" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDLCLINE	, Line device common section
0	(0)	ADDRESS	4	JDLCLNG	Length of this section
4	(4)	ADDRESS	1	JDLCTYPE	Section type
5	(5)	ADDRESS	1	JDLCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDLCDEVT	Device type
9	(9)	ADDRESS	1	JDLCDEVC	Device class
10	(A)	CHARACTER	10	JDLCCNAME	Device name
20	(14)	CHARACTER	4	JDLCCUNIT	Device unit name/number
24	(18)	BITSTRING	4		Reserved
28	(1C)	BITSTRING	2	JDLCCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDLCCSTA1	first status byte
29	(1D)	BITSTRING	1	JDLCCSTA2	second status byte
30	(1E)	CHARACTER	8	JDLCCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDLCCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDLCCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	BITSTRING	1	JDLCCPROT	Line protocol
		.... ..1		JDLCCPBSC	"X'01" BSC
		.... ..1.		JDLCCPSNA	"X'02" SNA
		.... ..11		JDLCCPTCP	"X'03" TCP/IP
57	(39)	BITSTRING	1	JDLCCFLG1	Processing flags (1):
		1... ..		JDLCC1RJA	"B'10000000" line can be used for RJE
		.1.		JDLCC1NJA	"B'01000000" line can be used for NJE
		..1.		JDLCC1RJE	"B'00100000" line currently used for RJE
		...1		JDLCC1NJE	"B'00010000" line currently used for NJE
		.... 1...		JDLCC1CMP	"B'00001000" line is capable of compression
		.... ..1.		JDLCC1DPX	"B'00000100" full duplex (if not set - half duplex)
		.... ..1.		JDLCC1PWD	"B'00000010" line password set
		.... ..1		JDLCC1AUT	"B'00000001" auto restart
58	(3A)	BITSTRING	1	JDLCCFLG2	Processing flags (2):
		1... ..		JDLCC2AB	"B'10000000" use interface B for this BSC line (if not set - use interface A)
		.1.		JDLCC2TRP	"B'01000000" transparency indicator
		..1.		JDLCC2TRB	"B'00100000" basic trace requested
		.... 1...		JDLCC2TCM	"B'00010000" common code trace requested
		.... ..1.		JDLCC2TEX	"B'00001000" extended trace requested
		.... ..1.		JDLCC2CNA	"B'00000100" auto connect required (CONNECT=YES)
		.... ..1.		JDLCC2CNN	"B'00000010" auto connect not required (CONNECT=NO) if both JDLCC2CNA and JDLCC2CNN are off, CONNECT=DEFAULT
59	(3B)	BITSTRING	1	JDLCCDISC	Disconnect behavior:
		.... ..		JDLCCDNO	"X'00" no disconnect
		.... ..1		JDLCCDINT	"X'01" immediate disconnect (interrupt)
		.... ..1.		JDLCCDQUI	"X'02" disconnect after current activity is complete (quiesce)
60	(3C)	SIGNED	2	JDLCCRINT	Auto restart interval (minutes)
62	(3E)	SIGNED	2	JDLCCRETR	Max number of restart retries (0 - indefinite retry)
64	(40)	SIGNED	2	JDLCCINT	Auto connect interval (minutes)
66	(42)	BITSTRING	2		Reserved
68	(44)	CHARACTER	8	JDLCCSTA	Status, character value
68	(44)	X'4C'	0	JDLCCSIZE	"-JDLCLINE" Size of line device common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDL2LINE	, Line device JES2 section
0	(0)	ADDRESS	4	JDL2LNG	Length of this section
4	(4)	ADDRESS	1	JDL2TYPE	Section type

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
5	(5)	ADDRESS	1	JDL2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	10	JDL2CNAM	Connected remote workstation name or NJE node name
18	(12)	CHARACTER	8	JDL2NJEN	Associated NJE node name
26	(1A)	SIGNED	2	JDL2REST	Line resistance

Comment

Counts of the number of transmitters/receivers
X'FF' indicates a value of DEFAULT

End of Comment

28	(1C)	BITSTRING	1	JDL2JT#	Number of job transmitters
29	(1D)	BITSTRING	1	JDL2JR#	Number of job receivers
30	(1E)	BITSTRING	1	JDL2ST#	Number of SYSOUT transmitters
31	(1F)	BITSTRING	1	JDL2SR#	Number of SYSOUT receivers
32	(20)	BITSTRING	1	JDL2FLAG	Processing flags:
		1... ..		JDL2FADS	"B'10000000" auto disconnect indicator
		.1.		JDL2FSHR	"B'01000000" line is shared
		..1.		JDL2FSPH	"B'00100000" high speed line > 9600 bps (if not set - low speed line)
		...1		JDL2FAB	"B'00010000" use code B for this dual code BSC line (if not set - use code A)
		.... 1..		JDL2FASC	"B'00001000" use ASCII control characters (if not set - use EBCDIC)
		.... .1.		JDL2FLOG	"B'00000100" device activity is logged
		.... ..1.		JDL2FLEA	"B'00000010" line is leased
33	(21)	BITSTRING	3	JDL2DVID	Binary device id
33	(21)	X'24'	0	JDL2SIZE	**"JDL2LINE" Size of line device JES2 section (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDL3LINE	, Line device JES3 section
0	(0)	ADDRESS	4	JDL3LNG	Length of this section
4	(4)	ADDRESS	1	JDL3TYPE	Section type
5	(5)	ADDRESS	1	JDL3MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	SIGNED	4	JDL3BPS	Line speed (bps)
8	(8)	X'C'	0	JDL3SIZE	**"JDL3LINE" Size of line device JES3 section (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDPHPRPU	, Printer/punch device header
0	(0)	CHARACTER	8	JDPHEYE	Eye catcher
8	(8)	ADDRESS	2	JDPHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDPHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDPHJPLX	"JDPHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDPHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDPHNEXT	"JDPHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDPHPAR8	Address of parent device (remote, line or none)
32	(20)	X'24'	0	JDPHPARN	"JDPHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDPHSIZE	**"JDPHPRPU" Header size (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDPCPRPU	, Printer/punch common section
0	(0)	ADDRESS	4	JDPCPLNG	Length of this section
4	(4)	ADDRESS	1	JDPCTYPE	Section type
5	(5)	ADDRESS	1	JDPCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDPCDEVT	Device type: JDDTPRT for printer devices JDDTPUN for punch devices
9	(9)	ADDRESS	1	JDPCDEVC	Device class: JDDCLCL for local devices JDDCRMT for remote devices
10	(A)	CHARACTER	10	JDPCNAME	Device name
20	(14)	CHARACTER	4	JDPCUNIT	Device unit name/number
24	(18)	BITSTRING	4		Reserved
28	(1C)	BITSTRING	2	JDPCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDPCSTA1	first status byte
29	(1D)	BITSTRING	1	JDPCSTA2	second status byte
30	(1E)	CHARACTER	8	JDPCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDPCMBRN	JESplex member name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
46	(2E)	CHARACTER	8	JDPCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	BITSTRING	1	JDPCMOD1	Processing flags (1):
		1... ..		JDPC1FSS	"B'10000000" FSS mode printer (if not set - JES mode printer)
		.1.		JDPC1EDG	"B'01000000" mark edge of separator page (3800 printer)
		..1.		JDPC1HTR	"B'00100000" honor TRC parameter on OUTPUT JCL statement (JES mode printer)
		...1		JDPC1PAU	"B'00010000" pause between data sets (JES mode printer)
		.... 1..		JDPC1DSS	"B'00001000" print separator page between data sets
		.... .1.		JDPC1GPS	"B'00000100" print JESNEWS dataset between output groups
		.... ..1		JDPC1TRC	"B'00000010" trace requested
		.... ...1		JDPC1TRK	"B'00000001" read one track cell at a time from spool (if not set - read one record at a time)
57	(39)	BITSTRING	1	JDPCMOD2	Processing flags (2):
		1... ..		JDPC2VUC	"B'10000000" verify UCS
		.1.		JDPC2SCH	"B'01000000" use current character arrangement table for separator pages (3800) (if not set - use default table)
		..1.		JDPC2NIP	"B'00100000" non-impact printer
		...1		JDPC2FLU	"B'00010000" For punches, add a blank card after each data set
		.... ..1		JDPC2SP2	"B'00000010" SPACE=DOUBLE override for this data set
		.... ...1		JDPC2SP1	"B'00000001" SPACE=SINGLE override for this data set
		.... ..11		JDPC2SP3	"B'00000011" SPACE=TRIPLE override for this data set
58	(3A)	SIGNED	2	JDPCCKML	Max number of lines in a logical page (used for checkpoint)
60	(3C)	SIGNED	2	JDPCCKPG	Number of pages between checkpoints
62	(3E)	CHARACTER	4	JDPCDFCB	Default FCB name
66	(42)	ADDRESS	1	JDPCNEWP	Processing of skip-to-channel commands:
		.... ....		JDPCNPDF	"X'00" use PRINTDEF statement (DEFAULT)
		.... ...1		JDPCNP1	"X'01" skip to channel 1 is treated as new page (ONE)
		.... ..1		JDPCNPAL	"X'02" skip to any channel is treated as new page (ALL)
67	(43)	ADDRESS	1	JDPCTRNS	TRANS= parameter processing:
		.... ...1		JDPCTYES	"X'01" always perform translation
		.... ..1		JDPCTNO	"X'02" never perform translation
		.... ..11		JDPCTDEF	"X'03" use TRANS= parameter from PRINTDEF statement
68	(44)	CHARACTER	4	JDPCFLID	Default flash id
72	(48)	CHARACTER	4	JDPCMODF	N/I-printer modify identifier
76	(4C)	BITSTRING	1	JDPCMOD3	Processing flags (3)
		1... ..		JDPC3CKP	"B'10000000" checkpoints are based on page count (see JDPCKCPG)
		.1.		JDPC3CKR	"B'01000000" checkpoints are based on record count (JES3) (see JDP3CKRC)
		..1.		JDPC3CKS	"B'00100000" checkpoints are based on elapsed time (see JDPFCSEC)
		...1		JDPC3SUP	"B'00010000" Halt with SETUP message between units of work
77	(4D)	BITSTRING	1		Reserved
78	(4E)	CHARACTER	8	JDPCCGSTA	Status, character value

Comment

 Array of CHARS settings
 This is variable size array of fixed-size
 character strings which represent CHARS settings
 associated with the printer.

End of Comment

86	(56)	ADDRESS	2	JDPCCHRO	Offset from the beginning of DSECT to the first CHARS value
88	(58)	ADDRESS	2	JDPCCHR#	Number of elements in array
90	(5A)	ADDRESS	2	JDPCCHRL	Length of each element
90	(5A)	X'5C'	0	JDPCSIZE	"-JDPCPRPU" Size of prt/punch common section (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDPWRKSL	, Prt/punch work selection section
0	(0)	ADDRESS	4	JDPWLNG	Length of this section
4	(4)	ADDRESS	1	JDPWTYPE	Section type
5	(5)	ADDRESS	1	JDPWMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved

Comment

Values for attributes used for work selection

End of Comment

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	CHARACTER	8	JDPWOWNN	Name of owner/creator of SYSOUT dataset
16	(10)	CHARACTER	4	JDPWFCBN	FCB name
20	(14)	CHARACTER	4	JDPWFLSH	Flash id

Comment

 Array of UCS names
 This is variable size array of fixed-size
 character strings which represent form names.

End of Comment

24	(18)	ADDRESS	2	JDPWUCSO	Offset from the beginning of DSECT to the first UCS name
26	(1A)	ADDRESS	2	JDPWUCS#	Number of elements in array
28	(1C)	ADDRESS	2	JDPWUCSL	Length of each element
30	(1E)	BITSTRING	1	JDPWFLG1	Selection flags
		1...		JDPW1BRS	"B'10000000" select output with BURST=YES (if not set - select BURST=NO)
31	(1F)	BITSTRING	1		Reserved

Comment

 Record and page count limits

End of Comment

32	(20)	SIGNED	4	(0)	Dataset size in records:
32	(20)	SIGNED	4	JDPWRCLL	size in records - low limit
36	(24)	SIGNED	4	JDPWRCLH	size in records - high limit
40	(28)	SIGNED	4	(0)	Dataset size in pages:
40	(28)	SIGNED	4	JDPWPGLL	size in pages - low limit
44	(2C)	SIGNED	4	JDPWPGLH	size in pages - high limit
48	(30)	BITSTRING	2		Reserved

Comment

 Array of output class names
 This is a variable size array of fixed-size
 character strings which represent names of output
 classes.
 The class array can also be viewed as a single
 string, which starts JDPWCLS0 bytes from JDPWRKSL
 and which length is JDPWCLS# JDPWCLSL.

End of Comment

50	(32)	ADDRESS	2	JDPWCLS0	Offset from the beginning of DSECT to the first class name
52	(34)	ADDRESS	2	JDPWCLS#	Number of elements in array
54	(36)	ADDRESS	2	JDPWCLSL	Length of each element

Comment

 Array of form names
 This is variable size array of fixed-size
 character strings which represent form names.

End of Comment

56	(38)	ADDRESS	2	JDPWFRMO	Offset from the beginning of DSECT to the first form name
58	(3A)	ADDRESS	2	JDPWFRM#	Number of elements in array
60	(3C)	ADDRESS	2	JDPWFRML	Length of each element

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>-----</p> <p>Array of processing mode names This is variable size array of fixed-size character strings which represent names of processing modes.</p> <p>-----</p>					
End of Comment					
62	(3E)	ADDRESS	2	JDPWPRCO	Offset from the beginning of DSECT to the first processing mode name
64	(40)	ADDRESS	2	JDPWPRC#	Number of elements in array
66	(42)	ADDRESS	2	JDPWPRCL	Length of each element
Comment					
<p>-----</p> <p>Array of routing codes/destination ids. This is variable size array of fixed-size character strings which represent routing codes or destination ids.</p> <p>-----</p>					
End of Comment					
68	(44)	ADDRESS	2	JDPWDSTO	Offset from the beginning of DSECT to the first route code/dest id
70	(46)	ADDRESS	2	JDPWDST#	Number of elements in array
72	(48)	ADDRESS	2	JDPWDSTL	Length of each element
Comment					
<p>-----</p> <p>Work selection criteria in printable form. The work selection criteria string is represented in the format which would be used by appropriate JES configuration command.</p> <p>-----</p>					
End of Comment					
74	(4A)	ADDRESS	2	JDPWPWSO	Offset from the beginning of DSECT to the work selection string
76	(4C)	ADDRESS	2	JDPWPWSL	Length of the work selection string
Comment					
<p>-----</p> <p>Work selection criteria in encoded form. The work selection criteria is encoded as an array of bytes, where the value of each byte represents an attribute used for work selection. (See symbol definitions for work selection attributes - JDWSxxxx.)</p> <p>-----</p>					
End of Comment					
78	(4E)	ADDRESS	2	JDPWEWSO	Offset from the beginning of DSECT to the work selection array
80	(50)	ADDRESS	2	JDPWEWSL	Length of the work selection array
82	(52)	BITSTRING	2		Reserved
82	(52)	X'54'	0	JDPWSIZE	"*-JDPWRKSL" Size of prt/punch work selection section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDPFPRT	, N/I printer section
0	(0)	ADDRESS	4	JDPFLNG	Length of this section
4	(4)	ADDRESS	1	JDPFTYPE	Section type
5	(5)	ADDRESS	1	JDPFMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDPFSSNM	Functional subsystem name
16	(10)	CHARACTER	8	JDPFPROC	FSS procedure name
24	(18)	CHARACTER	8	JDPFDEVN	FSS device (FSA) name
32	(20)	SIGNED	2	JDPFNPRO	Non-process runoff (NPRO) time in seconds (if 0 - NPRO is not used)
34	(22)	BITSTRING	1	JDPFFLAG	Processing flags:

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		JDPFFTRC	"B'10000000" rolling trace requested
		.1.. ..		JDPFFPRS	"B'01000000" JES preselects datasets for device
35	(23)	ADDRESS	1	JDPFCPMK	Copy mark increment:
		.... ..		JDPFCDFT	"X'00" use PRINTDEF settings (DEFAULT)
		.... ..1		JDPFCCON	"X'01" do not increment (CONSTANT)
		.... ..1		JDPFCDS	"X'02" on a dataset level (DATASET)
		.... ..11		JDPFCJOB	"X'03" on a job level (JOB)
		.... ..1..		JDPFCNON	"X'04" no copy marks to be used (NONE)
36	(24)	SIGNED	2	JDPFCSEC	Checkpoint seconds (when JDPC3CKP flag is not set)
38	(26)	CHARACTER	8	JDPFSSYS	MVS system where FSA is active
46	(2E)	BITSTRING	2		Reserved
46	(2E)	X'30'	0	JDPFSIZE	"*-JDPFPRT" Size of N/I printer section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDP2PRPU	, JES2 printer/punch section
0	(0)	ADDRESS	4	JDP2LNG	Length of this section
4	(4)	ADDRESS	1	JDP2TYPE	Section type
5	(5)	ADDRESS	1	JDP2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDP2FLAG	Processing flags:
		1... ..		JDP2FSEP	"B'10000000" Print separator pages between data set groups
9	(9)	BITSTRING	3	JDP2DVID	Binary device id

Comment

Attributes used by JES2 for work selection (additional work selection attributes and work selection criteria used by this printer/punch device see in the printer/punch work selection section).

End of Comment

12	(C)	BITSTRING	1	JDP2WFLG	Work selection flags:
		.1.. ..		JDP2SFJR	"B'01000000" select within JOB range
		.1.		JDP2SFST	"B'00100000" select within STC range
		...1		JDP2SFST	"B'00010000" select within TSU range
13	(D)	BITSTRING	3		Reserved
16	(10)	CHARACTER	8	JDP2WJBN	Job name for work selection
24	(18)	SIGNED	4	(0)	Job id range for work selection:
24	(18)	SIGNED	4	JDP2WJIL	job id low limit
28	(1C)	SIGNED	4	JDP2WJIH	job id high limit
32	(20)	CHARACTER	8	JDP2WRTN	Writer name for work selection

Comment

Array of spool volume names for work selection (spool volume affinity)
This is variable size array of fixed-size character strings which represent spool volume names used for work selection.

End of Comment

40	(28)	ADDRESS	2	JDP2WVLO	Offset from the beginning of DSECT to the first volume name
42	(2A)	ADDRESS	2	JDP2WVL#	Number of elements in array
44	(2C)	ADDRESS	2	JDP2WVLL	Length of each element

Comment

Array of binary route codes for work selection
This is variable size array of fixed-size structures, mapped by the JDD2DEST structure, of binary route codes used for work selection.

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
46	(2E)	ADDRESS	2	JDP2WRCO	Offset from the beginning of DSECT to the first route code
48	(30)	ADDRESS	2	JDP2WRC#	Number of elements in array
50	(32)	ADDRESS	2	JDP2WRCL	Length of each element
50	(32)	X'34'	0	JDP2SIZE	""-JDP3PRPU" Size of JES2 prt/punch section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDD2DEST	Binary route code structure
0	(0)	SIGNED	2	JDD2NODE	Nodal part
2	(2)	SIGNED	2	JDD2RTE	Remote part
4	(4)	CHARACTER	8	JDD2USER	Userid part
4	(4)	X'C'	0	JDD2DSIZ	""-JDD2DEST" Length of structure

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDP3PRPU	, JES3 printer/punch section
0	(0)	ADDRESS	4	JDP3LNG	Length of this section
4	(4)	ADDRESS	1	JDP3TYPE	Section type
5	(5)	ADDRESS	1	JDP3MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDP3GRPN	Device group name
16	(10)	CHARACTER	8	JDP3DEVT	Device type name
24	(18)	CHARACTER	8	JDP3DSPJ	DSP job id
32	(20)	BITSTRING	1	JDP3HFLG	H/R Flags
		1... ..		JDP3HFCB	"B'10000000" Hold FCB option on device
		.1.		JDP3HCHR	"B'01000000" Hold CHARS option on device
		..1.		JDP3HUCS	"B'00100000" Hold UCS option on device
		...1		JDP3HMOD	"B'00010000" Hold CPYMOD option on device
		.... 1...		JDP3HFLS	"B'00001000" Hold FLASH option on device
		.... .1.		JDP3HFRM	"B'00000100" Hold FORMS option on device
		.... ..1.		JDP3HBUR	"B'00000010" Hold STACKER (BURST) option
33	(21)	BITSTRING	1	JDP3FLG1	Flags
		1...		JDP31DYN	"B'10000000" Device can be started dynamically
		.1.		JDP31OLG	"B'01000000" Log operator commands in output
		..1.		JDP31BPG	"B'00100000" Print burst pages at end of job
		...1		JDP31DGY	"B'00010000" Device cannot process local datasets
		.... 1...		JDP31PDC	"B'00001000" PDEFAULT=CHARS
		.... .1.		JDP31PDF	"B'00000100" PDEFAULT=FCB
34	(22)	SIGNED	2	JDP3CKRC	Number of records between ckpoints
36	(24)	BITSTRING	1	JDP3TRC	TRC
37	(25)	BITSTRING	1	JDP3CGS	Amount of character generation storage in 3800 printer
37	(25)	X'1'	0	JDP3CGS1	"1" 128 characters
37	(25)	X'2'	0	JDP3CGS2	"2" 256 characters
38	(26)	BITSTRING	1	JDP3CB	Clear print indicator
38	(26)	X'1'	0	JDP3CBD	"1" Clear after each data set
38	(26)	X'2'	0	JDP3CBJ	"2" Clear after each Job
38	(26)	X'3'	0	JDP3CBN	"3" Clear as required by printer
39	(27)	BITSTRING	1		Reserved
39	(27)	X'28'	0	JDP3SIZE	""-JDP3PRPU" Size of JES3 prt/punch section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDP3PRPT	, Remote printer section
0	(0)	ADDRESS	4	JDP3RLNG	Length of this section
4	(4)	ADDRESS	1	JDP3RPTYPE	Section type
5	(5)	ADDRESS	1	JDP3RPMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDP3RCMPT	Compaction table name/number
16	(10)	SIGNED	4	JDP3PRECS	Transmission record size
20	(14)	SIGNED	2	JDP3PRWDTH	Print width
22	(16)	CHARACTER	8	JDP3RDEVT	Remote device type and subaddress (PRINTnn, EXCHnn or BASICnn)
30	(1E)	BITSTRING	1	JDP3RFLAG	Processing flags:
		1...		JDP3RFASI	"B'10000000" send print data ASIS
		.1.		JDP3RFCMT	"B'01000000" printer has compaction capability
		..1.		JDP3RFCMP	"B'00100000" printer has compression capability
		...1		JDP3RFFCB	"B'00010000" JES will load FCB on this device
		.... 1...		JDP3RFSSP	"B'00001000" printer has suspend/interrupt capability
		.... ..1.		JDP3RFCTL	"B'00000100" send carriage control

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
31	(1F)	BITSTRING	1		Reserved
31	(1F)	X'20'	0	JDRPSIZE	**-JDRPRTT" Size of remote printer section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDRHRDR	, Reader device header
0	(0)	CHARACTER	8	JDRHEYE	Eye catcher
8	(8)	ADDRESS	2	JDRHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDRHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDRHJPLX	"JDRHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDRHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDRHNEXT	"JDRHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDRHPAR8	Address of parent device (remote, line or none)
32	(20)	X'24'	0	JDRHPARN	"JDRHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDRHSIZE	**-JDRHRDR" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDRCRDR	, Reader common section
0	(0)	ADDRESS	4	JDRCLNG	Length of this section
4	(4)	ADDRESS	1	JDRCTYPE	Section type
5	(5)	ADDRESS	1	JDRCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDRCDEVT	Device type
9	(9)	ADDRESS	1	JDRCDEV	Device class: JDDCLCL for local devices JDDCRMT for remote devices JDDCINT for internal devices
10	(A)	CHARACTER	10	JDRCNAME	Device name
20	(14)	CHARACTER	4	JDRCUNIT	Device unit name/number
24	(18)	BITSTRING	4		Reserved
28	(1C)	BITSTRING	2	JDRCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDRCSTA1	first status byte
29	(1D)	BITSTRING	1	JDRCSTA2	second status byte
30	(1E)	CHARACTER	8	JDRCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDRCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDRCSECL	Security label
54	(36)	BITSTRING	2		Reserved

Comment

Progress counters

End of Comment

56	(38)	SIGNED	4	JDRCTJB#	Total jobs processed by this reader
60	(3C)	SIGNED	4	JDRCTRCS#	Total number of records (card images) processed
64	(40)	SIGNED	4	JDRCPRC#	Number of records (card images) processed for the current job
68	(44)	CHARACTER	8	JDRCDFJC	Default job class
76	(4C)	CHARACTER	8	JDRCDFMC	Default message class
84	(54)	CHARACTER	8	JDRCCSTA	Status, character value
84	(54)	X'5C'	0	JDRCSIZE	**-JDRCRDR" Size of reader common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDR2RDR	, Reader JES2 section
0	(0)	ADDRESS	4	JDR2LNG	Length of this section
4	(4)	ADDRESS	1	JDR2TYPE	Section type
5	(5)	ADDRESS	1	JDR2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	18	JDR2PRDS	Default print destination
26	(1A)	CHARACTER	18	JDR2PUDS	Default punch destination
44	(2C)	CHARACTER	8	JDR2NODE	Default execution node in NJE network
52	(34)	ADDRESS	1	JDR2PTLM	Priority limit
53	(35)	ADDRESS	1	JDR2PTIN	Priority increment
54	(36)	BITSTRING	1	JDR2FLAG	Processing flags:
		1...		JDR2FHLD	"B'10000000" hold jobs when processed
		.1..		JDR2FDVA	"B'01000000" authorized for device commands

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		JDR2FJBA	"B'00100000" authorized for job commands
		...1		JDR2FSYA	"B'00010000" authorized for system commands
		.... 1...		JDR2FTRC	"B'00001000" trace requested
		.... .1..		JDR2FANY	"B'00000100" default member affinity ANY
		.... ..1.		JDR2FIND	"B'00000010" default member affinity IND
55	(37)	BITSTRING	3	JDR2DVID	Binary device id
58	(3A)	BITSTRING	2		Reserved

Comment

 Array of MAS member names
 (default member affinity)
 This is variable size array of fixed-size
 character strings which represent names of MAS
 members which can be used for job execution.

End of Comment

60	(3C)	ADDRESS	2	JDR2MBRO	Offset from the beginning of DSECT to the first member name
62	(3E)	ADDRESS	2	JDR2MBR#	Number of elements in array
64	(40)	ADDRESS	2	JDR2MBRL	Length of each element
66	(42)	BITSTRING	2		Reserved
66	(42)	X'44'	0	JDR2SIZE	"*-JDR2RDR" Size of reader JES2 section (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDR3RDR	, Reader JES3 section
0	(0)	ADDRESS	4	JDR3LNG	Length of this section
4	(4)	ADDRESS	1	JDR3TYPE	Section type
5	(5)	ADDRESS	1	JDR3MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDR3GRPN	Device group name
16	(10)	CHARACTER	8	JDR3DEVT	Device type name
24	(18)	CHARACTER	8	JDR3DSPJ	DSP job id
32	(20)	BITSTRING	1	JDR3FLAG	Processing flags:
		1...		JDR3FACT	"B'10000000" account number required on JOB card
		.1..		JDR3FPGM	"B'01000000" programmer name required on JOB card
		..1.		JDR3FABV	"B'00100000" SWA should be located above the line
		...1		JDR3FBLP	"B'00010000" BLP label setting is respected (if not set - BLP setting is ignored)
33	(21)	ADDRESS	1	JDR3DPTY	Default job priority
34	(22)	ADDRESS	1	JDR3JLVL	Default job message level
35	(23)	ADDRESS	1	JDR3ALVL	Default allocation message level
36	(24)	SIGNED	4	JDR3TIML	Default time limit for a job step in seconds (144000 - no limit)
40	(28)	SIGNED	4	JDR3REGL	Default region size in KBytes
40	(28)	X'2C'	0	JDR3SIZE	"*-JDR3RDR" Size of reader JES3 section (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDRIRDR	, Internal reader section
0	(0)	ADDRESS	4	JDRILNG	Length of this section
4	(4)	ADDRESS	1	JDRITYPE	Section type
5	(5)	ADDRESS	1	JDRIMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved

Comment

 Identification of the job which owns internal
 reader.

End of Comment

8	(8)	CHARACTER	8	JDRIJOBN	Job name
16	(10)	CHARACTER	8	JDRIJOBI	Job id
24	(18)	CHARACTER	8	JDRIOWNN	Job owner name
32	(20)	SIGNED	2	JDRIASID	Address space id
34	(22)	BITSTRING	2		Reserved
34	(22)	X'24'	0	JDRIISIZE	"*-JDRIRDR" Size of internal reader section (internal use only)

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDOHOFD	, OFFLOAD device header
0	(0)	CHARACTER	8	JDOHEYE	Eye catcher
8	(8)	ADDRESS	2	JDOHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	2		Reserved
12	(C)	SIGNED	4	JDOHDEV#	Number of related devices in the chain (see JDOHDEV8)
16	(10)	ADDRESS	8	JDOHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDOHJPLX	"JDOHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDOHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDOHNEXT	"JDOHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDOHDEV8	Address of header of the first related device
32	(20)	X'24'	0	JDOHDEV8	"JDOHDEV8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDOHSIZE	"-JDOHOFD" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDOCOFLD	, OFFLOAD device common section
0	(0)	ADDRESS	4	JDOCLNG	Length of this section
4	(4)	ADDRESS	1	JDOCTYPE	Section type
5	(5)	ADDRESS	1	JDOCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDOCDEVT	Device type
9	(9)	ADDRESS	1	JDOCDEVC	Device class
10	(A)	CHARACTER	10	JDOCNAME	Device name
20	(14)	CHARACTER	8	JDOCUNIT	Device unit name/number or type
28	(1C)	BITSTRING	2	JDOCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDOCSTA1	first status byte
29	(1D)	BITSTRING	1	JDOCSTA2	second status byte
30	(1E)	CHARACTER	8	JDOCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDOCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDOCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	CHARACTER	8	JDOCCSTA	Status, character value
56	(38)	X'40'	0	JDOCSIZE	"-JDOCOFLD" Size of OFFLOAD device common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDO2OFLD	, OFFLOAD device JES2 section
0	(0)	ADDRESS	4	JDO2LNG	Length of this section
4	(4)	ADDRESS	1	JDO2TYPE	Section type
5	(5)	ADDRESS	1	JDO2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	SIGNED	2	JDO2NRUN	Number of units to use
10	(A)	SIGNED	2	JDO2NRVL	Number of volumes to use
12	(C)	SIGNED	2	JDO2RETD	Retention period (days)
14	(E)	CHARACTER	44	JDO2DSN	Dataset name
58	(3A)	BITSTRING	1	JDO2FLG1	Processing flags:
		1... ..		JDO21XMT	"B'10000000" started as transmitter
		.1... ..		JDO21RCV	"B'01000000" started as receiver
59	(3B)	BITSTRING	1	JDO2FLG2	More processing flags:
		1... ..		JDO22ARC	"B'10000000" ARCHIVE=ALL (if not set - ARCHIVE=ONE)
		.1... ..		JDO22CRT	"B'01000000" preserve creation time (if not set assign new creation time after restore)
		..1.		JDO22SAF	"B'00100000" protect via SAF
		...1		JDO22TRC	"B'00010000" trace requested
		.... 1...		JDO22VAL	"B'00001000" validate logical record length
60	(3C)	BITSTRING	1	JDO2TLAB	Tape label processing type:
		.... ..1		JDO2TNL	"X'01" label=NL
		.... ..1.		JDO2TSL	"X'02" label=SL
		.... ..1..		JDO2TNSL	"X'04" label=NSL
		.... 1.1.		JDO2TSUL	"X'0A" label=SUL
		...1		JDO2TBLP	"X'10" label=BLP
		.1... ..		JDO2TAL	"X'40" label=AL
		.1... 1..		JDO2TAUL	"X'48" label=AUL
61	(3D)	BITSTRING	3	JDO2DVID	Binary device id
61	(3D)	X'40'	0	JDO2SIZE	"-JDO2OFLD" Size of OFFLOAD device JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDBHJRCV	, Job receiver device header
0	(0)	CHARACTER	8	JDBHEYE	Eye catcher
8	(8)	ADDRESS	2	JDBHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDBHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDBHJPLX	"JDBHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDBHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDBHNEXT	"JDBHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDBHPAR8	Address of parent device (offload, line or NJE conn)
32	(20)	X'24'	0	JDBHPARN	"JDBHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDBHSIZE	**JDBHJRCV" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDBCJRCV	, Job receiver common section
0	(0)	ADDRESS	4	JDBCCLNG	Length of this section
4	(4)	ADDRESS	1	JDBCCTYPE	Section type
5	(5)	ADDRESS	1	JDBCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDBCDEVT	Device type
9	(9)	ADDRESS	1	JDBCDEVC	Device class: JDDCNJE for NJE devices JDDCOFLD for OFFLOAD devices
10	(A)	CHARACTER	10	JDBCNAME	Device name
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	2	JDBCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDBCSTA1	first status byte
29	(1D)	BITSTRING	1	JDBCSTA2	second status byte
30	(1E)	CHARACTER	8	JDBCYSYN	Owning MVS system name
38	(26)	CHARACTER	8	JDBCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDBCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	BITSTRING	1	JDBCFLG1	Processing flags:
		1...		JDBC1HLD	"B'10000000" hold received jobs (HOLD=YES)
		.1..		JDBC1RLS	"B'01000000" release received jobs (HOLD=NO) if neither bit set, status is not changed (HOLD=NONE)
57	(39)	BITSTRING	3		Reserved
60	(3C)	CHARACTER	8	JDBCCSTA	Status, character value
60	(3C)	X'44'	0	JDBCFSIZE	**JDBCJRCV" Size of job receiver common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDBOJRCV	, Job receiver OFFLOAD section
0	(0)	ADDRESS	4	JDBOLNG	Length of this section
4	(4)	ADDRESS	1	JDBOTYPE	Section type
5	(5)	ADDRESS	1	JDBOMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDBOFLG1	Processing flags:
		1...		JDBO1NFY	"B'10000000" send notification message to TSO userid as requested
		.1..		JDBO1STR	"B'01000000" start this receiver when OFFLOAD device is started
		..1.		JDBO1EANY	"B'00100000" Job execution member affinity is ANY (also see section starting with field JDBOMMBO).
9	(9)	BITSTRING	3		Reserved

Comment

Modification settings - job attributes will be changed in a specified way when job is successfully received.

End of Comment

12	(C)	CHARACTER	8	JDBOMJBC	New job class
20	(14)	CHARACTER	18	JDBOMROU	New route code/destination

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
<p>Array of member MAS names (new member affinity). This is variable size array of fixed-size character strings which represent names of MAS members which can be used for job execution. NOTE: Check the JDBOEANY bit first before using these fields.</p>					
					End of Comment
38	(26)	ADDRESS	2	JDBOMMBO	Offset from the beginning of DSECT to the first member name
40	(28)	ADDRESS	2	JDBOMMB#	Number of elements in array
42	(2A)	ADDRESS	2	JDBOMMBL	Length of each element
					Comment
Values for attributes used for work selection					
					End of Comment
44	(2C)	CHARACTER	8	JDBOWOWN	Name of job owner
52	(34)	CHARACTER	8	JDBOWJBN	Job name
60	(3C)	CHARACTER	8	JDBOWSVN	Service class name
68	(44)	CHARACTER	16	JDBOWSCH	Scheduling environment
84	(54)	BITSTRING	1	JDBOWFLG	Work selection flags:
		1...		JDBOWHLD	"B'10000000" Select held (HOLD=YES)
		.1...		JDBOWRLS	"B'01000000" Select non held (HOLD=NO) If neither bit set, select none (HOLD=NONE)
		..1.		JDBOWANY	"B'00100000" Work selection member affinity is ANY (also see section starting with field JDBOWMBO).
		...1		JDBOWJOB	"B'00010000" Job ID range is for JOB
		.... 1...		JDBOWSTC	"B'00001000" Job ID range is for STC
		.... .1..		JDBOWTSU	"B'00000100" Job ID range is for TSU
85	(55)	BITSTRING	3		Reserved
88	(58)	SIGNED	4	(0)	Job id range for work selection:
88	(58)	SIGNED	4	JDBOWJIL	job id low limit
92	(5C)	SIGNED	4	JDBOWJIH	job id high limit
					Comment
<p>Array of job classes This is a variable size array of fixed-size character strings which represent names of job classes or job class groups. The class array can also be viewed as a single string, which starts JDBOWCLO bytes from JDBOJRCV and which length is JDBOWCL# JDBOWCLL.</p>					
					End of Comment
96	(60)	ADDRESS	2	JDBOWCLO	Offset from the beginning of DSECT to the first job class
98	(62)	ADDRESS	2	JDBOWCL#	Number of elements in array
100	(64)	ADDRESS	2	JDBOWCLL	Length of each element
					Comment
<p>Array of routing codes/destination ids. This is variable size array of fixed-size character strings which represent routing codes or destination ids.</p>					
					End of Comment
102	(66)	ADDRESS	2	JDBOWDSO	Offset from the beginning of DSECT to the first route code/dest id
104	(68)	ADDRESS	2	JDBOWDS#	Number of elements in array
106	(6A)	ADDRESS	2	JDBOWDSL	Length of each element

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>-----</p> <p>Array of binary route codes for work selection This is variable size array of fixed-size structures, mapped by the JDD2DEST structure, of binary route codes used for work selection.</p> <p>-----</p>					
End of Comment					
108	(6C)	ADDRESS	2	JDBOWRCO	Offset from the beginning of DSECT to the first route code
110	(6E)	ADDRESS	2	JDBOWRC#	Number of elements in array
112	(70)	ADDRESS	2	JDBOWRCL	Length of each element
Comment					
<p>-----</p> <p>Array of MAS member names for work selection (member affinity) This is variable size array of fixed-size character strings which represent MAS member names used for work selection. NOTE: Check the JDBOWANY bit first before using these fields.</p> <p>-----</p>					
End of Comment					
114	(72)	ADDRESS	2	JDBOWMBO	Offset from the beginning of DSECT to the first member name
116	(74)	ADDRESS	2	JDBOWMB#	Number of elements in array
118	(76)	ADDRESS	2	JDBOWMBL	Length of each element
Comment					
<p>-----</p> <p>Work selection criteria in printable form. The work selection criteria string is represented in the format which would be used by appropriate JES configuration command.</p> <p>-----</p>					
End of Comment					
120	(78)	ADDRESS	2	JDBOWSCO	Offset from the beginning of DSECT to the work selection string
122	(7A)	ADDRESS	2	JDBOWSCL	Length of the work selection string
Comment					
<p>-----</p> <p>Work selection criteria in encoded form. The work selection criteria is encoded as an array of bytes, where the value of each byte represents an attribute used for work selection. (See symbol definitions for work selection attributes - JDWSxxxx.)</p> <p>-----</p>					
End of Comment					
124	(7C)	ADDRESS	2	JDBOWSEO	Offset from the beginning of DSECT to the work selection array
126	(7E)	ADDRESS	2	JDBOWSEL	Length of the work selection array
126	(7E)	X'80'	0	JDBOSIZE	"*-JDBOJRCV" Size of job receiver OFFLOAD section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDB2JRCV	, Job receiver device JES2 section
0	(0)	ADDRESS	4	JDB2LNG	Length of this section
4	(4)	ADDRESS	1	JDB2TYPE	Section type
5	(5)	ADDRESS	1	JDB2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDB2DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDB2SIZE	"*-JDB2JRCV" Size of job receiver JES2 section (internal use only)

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDSHSRCV	, SYSOUT receiver device header
0	(0)	CHARACTER	8	JDSHEYE	Eye catcher
8	(8)	ADDRESS	2	JDSHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDSHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDSHJPLX	"JDSHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDSHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDSHNEXT	"JDSHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDSHPAR8	Address of parent device (offload, line or NJE conn)
32	(20)	X'24'	0	JDSHPARN	"JDSHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDSHSIZE	**"JDSHSRCV" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDSCSRCV	, SYSOUT receiver common section
0	(0)	ADDRESS	4	JDSCCLNG	Length of this section
4	(4)	ADDRESS	1	JDSCCTYPE	Section type
5	(5)	ADDRESS	1	JDSCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDSCDEVT	Device type
9	(9)	ADDRESS	1	JDSCDEVC	Device class: JDDCNJE for NJE devices JDDCOFLD for OFFLOAD devices
10	(A)	CHARACTER	10	JDSCNAME	Device name
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	2	JDSCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDSCSTA1	first status byte
29	(1D)	BITSTRING	1	JDSCSTA2	second status byte
30	(1E)	CHARACTER	8	JDSCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDSCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDSCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	CHARACTER	8	JDSCCSTA	Status, character value
56	(38)	X'40'	0	JDSCSIZE	**"JDSCSRCV" Size of SYSOUT receiver common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDSOSRCV	, SYSOUT receiver OFFLOAD section
0	(0)	ADDRESS	4	JDSOLNG	Length of this section
4	(4)	ADDRESS	1	JDSOTYPE	Section type
5	(5)	ADDRESS	1	JDSOMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDSOFLG1	Processing flags:
		1...		JDSO1NFY	"B'10000000" send notification message to TSO userid as requested
		.1..		JDSO1STR	"B'01000000" start this receiver when OFFLOAD device is started
9	(9)	BITSTRING	3		Reserved

Comment

Modification settings - SYSOUT dataset attributes will be changed in a specified way when data set is successfully received.

End of Comment

12	(C)	CHARACTER	4	JDSOMFCB	New FCB name
16	(10)	CHARACTER	4	JDSOMFLH	New flash id
20	(14)	CHARACTER	8	JDSOMFRM	New form name
28	(1C)	CHARACTER	8	JDSOMPRM	New processing mode
36	(24)	CHARACTER	8	JDSOMCLS	New output class/queue
44	(2C)	CHARACTER	18	JDSOMDST	New route code/destination
62	(3E)	CHARACTER	4	JDSOMUCS	New UCS name
66	(42)	CHARACTER	4		Reserved
70	(46)	CHARACTER	8	JDSOMWTR	New writer name
78	(4E)	BITSTRING	1	JDSOFLG2	Modification settings:
		1...		JDSO2BRS	"B'10000000" set BURST=YES
		.1..		JDSO2BRN	"B'01000000" set BURST=NO if neither bit set, do not change the attribute
		..1.		JDSO2HLD	"B'00100000" hold output (HOLD=YES)
		...1		JDSO2RLS	"B'00010000" release output (HOLD=NO) if neither bit set, status is not changed (HOLD=NONE)
		.... 1...		JDSO2ODH	"B'00001000" set OUTDISP=HOLD
		.... .1..		JDSO2ODK	"B'00000100" set OUTDISP=KEEP
		.... ..1.		JDSO2ODL	"B'00000010" set OUTDISP=LEAVE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
79	(4F)	.... ...1 BITSTRING	1	JDSO2ODW	"B'0000001" set OUTDISP=WRITE Reserved
Comment					
Values for attributes used for work selection					
End of Comment					
80	(50)	CHARACTER	4	JDSOWFCB	FCB name
84	(54)	CHARACTER	4	JDSOWFLH	Flash id
88	(58)	CHARACTER	8	JDSOWCRT	YSOOUT creator/owner name
96	(60)	CHARACTER	8	JDSOWJBN	Job name
104	(68)	SIGNED	4	(0)	Job id range for work selection:
104	(68)	SIGNED	4	JDSOWJIL	job id low limit
108	(6C)	SIGNED	4	JDSOWJIH	job id high limit
112	(70)	CHARACTER	4	JDSOWUCS	UCS name
116	(74)	CHARACTER	4		Reserved
120	(78)	CHARACTER	8	JDSOWWTR	Writer name
128	(80)	BITSTRING	1	JDSOFLG3	Work selection flags:
		1...		JDSO3BRS	"B'1000000" select jobs with BURST=YES (if not set - select BURST=NO)
		.1..		JDSO3HLD	"B'0100000" select jobs which are held (if not set - select jobs which are not held)
		..1.		JDSO3ODH	"B'0010000" select output with OUTDISP=HOLD
		...1		JDSO3ODK	"B'0001000" select output with OUTDISP=KEEP
		.... 1...		JDSO3ODL	"B'0000100" select output with OUTDISP=LEAVE
		.... .1..		JDSO3ODW	"B'0000100" select output with OUTDISP=WRITE
		.... ..1.		JDSO3BNS	"B'0000010" BURST value was not set (ignore JDSO3BRS)
		.... ...1		JDSO3HNS	"B'0000001" HOLD value was not set (ignore JDSO3HLD)
129	(81)	BITSTRING	1	JDSOFLG4	More work Selection flags:
		1...		JDSO4JOB	"B'1000000" Job ID range is for JOB
		.1..		JDSO4STC	"B'0100000" Job ID range is for STC
		..1.		JDSO4TSU	"B'0010000" Job ID range is for TSU
130	(82)	BITSTRING	2		Reserved
Comment					
----- Array of output classes This is a variable size array of fixed-size character strings which represent names of output classes. -----					
End of Comment					
132	(84)	ADDRESS	2	JDSOWCLO	Offset from the beginning of DSECT to the first class
134	(86)	ADDRESS	2	JDSOWCL#	Number of elements in array
136	(88)	ADDRESS	2	JDSOWCLL	Length of each element
Comment					
----- Array of form names This is a variable size array of fixed-size character strings which represent names of output forms. -----					
End of Comment					
138	(8A)	ADDRESS	2	JDSOWFMO	Offset from the beginning of DSECT to the first form name
140	(8C)	ADDRESS	2	JDSOWFM#	Number of elements in array
142	(8E)	ADDRESS	2	JDSOWFML	Length of each element
Comment					
----- Array of processing mode names This is a variable size array of fixed-size character strings which represent names of processing modes. -----					
End of Comment					
144	(90)	ADDRESS	2	JDSOWPMO	Offset from the beginning of DSECT to the first processing mode name

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
146	(92)	ADDRESS	2	JDSOWPM#	Number of elements in array
148	(94)	ADDRESS	2	JDSOWPML	Length of each element

Comment

Array of routing codes/destination ids
This is variable size array of fixed-size
character strings which represent routing codes
or destination ids.

End of Comment

150	(96)	ADDRESS	2	JDSOWDSO	Offset from the beginning of DSECT to the first route code/dest id
152	(98)	ADDRESS	2	JDSOWDS#	Number of elements in array
154	(9A)	ADDRESS	2	JDSOWDSL	Length of each element

Comment

Array of binary route codes for work selection
This is variable size array of fixed-size
structures, mapped by the JDD2DEST structure,
of binary route codes used for work selection.

End of Comment

156	(9C)	ADDRESS	2	JDSOWRCO	Offset from the beginning of DSECT to the first route code
158	(9E)	ADDRESS	2	JDSOWRC#	Number of elements in array
160	(A0)	ADDRESS	2	JDSOWRCL	Length of each element
162	(A2)	BITSTRING	2		Reserved

Comment

Work selection criteria in printable form.
The work selection criteria string is represented
in the format which would be used by appropriate
JES configuration command.

End of Comment

164	(A4)	ADDRESS	2	JDSOWSCO	Offset from the beginning of DSECT to the work selection string
166	(A6)	ADDRESS	2	JDSOWSCL	Length of the work selection string

Comment

Work selection criteria in encoded form.
The work selection criteria is encoded as an array
of bytes, where the value of each byte represents
an attribute used for work selection.
(See symbol definitions for work selection
attributes - JDWSxxxx.)

End of Comment

168	(A8)	ADDRESS	2	JDSOWSEO	Offset from the beginning of DSECT to the work selection array
170	(AA)	ADDRESS	2	JDSOWSEL	Length of the work selection array
170	(AA)	X'AC'	0	JDSOSIZE	"*-JDSOSRCV" Size of OFFLOAD SYSOUT receiver section (internal use only)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDS2SRCV	, SYSOUT receiver JES2 section
0	(0)	ADDRESS	4	JDS2LNG	Length of this section
4	(4)	ADDRESS	1	JDS2TYPE	Section type
5	(5)	ADDRESS	1	JDS2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDS2DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDS2SIZE	"*-JDS2SRCV" Size of SYSOUT receiver JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDXHJXMT	, Job transmitter header
0	(0)	CHARACTER	8	JDXHEYE	Eye catcher
8	(8)	ADDRESS	2	JDXHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDXHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDXHJPLX	"JDXHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDXHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDXHNEXT	"JDXHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDXHPAR8	Address of parent device (offload, line or NJE conn)
32	(20)	X'24'	0	JDXHPARN	"JDXHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDXHSIZE	**_JDXHJXMT" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDXCJXMT	, Job transmitter common data
0	(0)	ADDRESS	4	JDXCLNG	Length of this section
4	(4)	ADDRESS	1	JDXCTYPE	Section type
5	(5)	ADDRESS	1	JDXCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDXCDEVT	Device type
9	(9)	ADDRESS	1	JDXCDEVC	Device class: JDDCNJE for NJE devices JDDCOFLD for OFFLOAD devices
10	(A)	CHARACTER	10	JDXCNAME	Device name
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	2	JDXCSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDXCSTA1	first status byte
29	(1D)	BITSTRING	1	JDXCSTA2	second status byte
30	(1E)	CHARACTER	8	JDXCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDXCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDXCSECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	CHARACTER	8	JDXCCSTA	Status, character value
56	(38)	X'40'	0	JDXCSIZE	**_JDXCJXMT" Size of job transmitter common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDXNJXMT	, Job transmitter NJE section
0	(0)	ADDRESS	4	JDXNLNG	Length of this section
4	(4)	ADDRESS	1	JDXNTYPE	Section type
5	(5)	ADDRESS	1	JDXNMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved

Comment

Values for attributes used for work selection

End of Comment

8	(8)	SIGNED	4	(0)	Job size range for work selection (records):
8	(8)	SIGNED	4	JDXNWJSL	job size low limit
12	(C)	SIGNED	4	JDXNWJSH	job size high limit

Comment

 Work selection criteria in printable form.
 The work selection criteria string is represented
 in the format which would be used by appropriate
 JES configuration command.

End of Comment

16	(10)	ADDRESS	2	JDXNWSCO	Offset from the beginning of DSECT to the work selection string
18	(12)	ADDRESS	2	JDXNWSCL	Length of the work selection string

IAZSSJD Map

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

Work selection criteria in encoded form. The work selection criteria is encoded as an array of bytes, where the value of each byte represents an attribute used for work selection. (See symbol definitions for work selection attributes - JDWSxxxx.)					

					End of Comment
20	(14)	ADDRESS	2	JDXNWSEO	Offset from the beginning of DSECT to the work selection array
22	(16)	ADDRESS	2	JDXNWSEL	Length of the work selection array
22	(16)	X'18'	0	JDXNSIZE	"*-JDXNJXMT" Size of job transmitter NJE section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDXOJXMT	, Job transmitter OFFLOAD section
0	(0)	ADDRESS	4	JDXOLNG	Length of this section
4	(4)	ADDRESS	1	JDXOTYPE	Section type
5	(5)	ADDRESS	1	JDXOMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDXOFLG1	Processing flags:
		1...		JDXO1NFY	"B'10000000" send notification message to TSO userid as requested
		.1..		JDXO1STR	"B'01000000" start this receiver when OFFLOAD device is started
9	(9)	BITSTRING	1	JDXODISP	Post-offload job disposition:
		.... ..1		JDXODDEL	"X'01" DELETE
		.... ..1.		JDXODHLD	"X'02" HOLD
		.... ..11		JDXODKP	"X'03" KEEP
10	(A)	BITSTRING	2		Reserved

					Comment
Values for attributes used for work selection					

					End of Comment
12	(C)	CHARACTER	8	JDXOWOWN	Name of job owner
20	(14)	CHARACTER	8	JDXOWJBN	Job name
28	(1C)	CHARACTER	8	JDXOWSVN	Service class name
36	(24)	CHARACTER	16	JDXOWSCH	Scheduling environment
52	(34)	SIGNED	4	(0)	Job id range for work selection:
52	(34)	SIGNED	4	JDXOWJIL	job id low limit
56	(38)	SIGNED	4	JDXOWJIH	job id high limit
60	(3C)	SIGNED	4	(0)	Job size range for work selection (records):
60	(3C)	SIGNED	4	JDXOWJSL	job size low limit
64	(40)	SIGNED	4	JDXOWJSH	job size high limit
68	(44)	BITSTRING	1	JDXOWFLG	Work selection flags:
		1...		JDXOWHLD	"B'10000000" Select held (HOLD=YES)
		.1..		JDXOWRLS	"B'01000000" Select non held (HOLD=NO) If neither bit set, select none (HOLD=NONE)
		..1.		JDXOFANY	"B'00100000" Default member affinity is ANY. (also see section starting with field JDXOWMBO).
		...1		JDXOWJOB	"B'00010000" Job ID range is for JOB
		.... 1..		JDXOWSTC	"B'00001000" Job ID range is for STC
		.... .1..		JDXOWTSU	"B'00000100" Job ID range is for TSU
69	(45)	BITSTRING	3		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>Array of job classes This is a variable size array of fixed-size character strings which represent names of job classes or job class groups. The class array can also be viewed as a single string, which starts JDXOWCLO bytes from JDXOJXMT and which length is JDXOWCL# JDXOWCLL.</p>					
End of Comment					
72	(48)	ADDRESS	2	JDXOWCLO	Offset from the beginning of DSECT to the first job class name
74	(4A)	ADDRESS	2	JDXOWCL#	Number of elements in array
76	(4C)	ADDRESS	2	JDXOWCLL	Length of each element
Comment					
<p>Array of routing codes/destination ids This is variable size array of fixed-size character strings which represent routing codes or destination ids.</p>					
End of Comment					
78	(4E)	ADDRESS	2	JDXOWDSO	Offset from the beginning of DSECT to the first route code/dest id
80	(50)	ADDRESS	2	JDXOWDS#	Number of elements in array
82	(52)	ADDRESS	2	JDXOWDSL	Length of each element
Comment					
<p>Array of binary route codes for work selection This is variable size array of fixed-size structures, mapped by the JDD2DEST structure, of binary route codes used for work selection.</p>					
End of Comment					
84	(54)	ADDRESS	2	JDXOWRCO	Offset from the beginning of DSECT to the first route code
86	(56)	ADDRESS	2	JDXOWRC#	Number of elements in array
88	(58)	ADDRESS	2	JDXOWRCL	Length of each element
Comment					
<p>Array of MAS member names for work selection (member affinity) This is variable size array of fixed-size character strings which represent MAS member names used for work selection. NOTE: Check the JDXOFANY bit first before using these fields.</p>					
End of Comment					
90	(5A)	ADDRESS	2	JDXOWMBO	Offset from the beginning of DSECT to the first MAS member name
92	(5C)	ADDRESS	2	JDXOWMB#	Number of elements in array
94	(5E)	ADDRESS	2	JDXOWMBL	Length of each element
Comment					
<p>Array of spool volume names for work selection This is variable size array of fixed-size character strings which represent spool volume names used for work selection.</p>					
End of Comment					

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
96	(60)	ADDRESS	2	JDXOWVLO	Offset from the beginning of DSECT to the first volume name
98	(62)	ADDRESS	2	JDXOWVL#	Number of elements in array
100	(64)	ADDRESS	2	JDXOWVLL	Length of each element
102	(66)	BITSTRING	2		Reserved

Comment

Work selection criteria in printable form.
The work selection criteria string is represented in the format which would be used by appropriate JES configuration command.

End of Comment

104	(68)	ADDRESS	2	JDXOWSCO	Offset from the beginning of DSECT to the work selection string
106	(6A)	ADDRESS	2	JDXOWSCL	Length of the work selection string

Comment

Work selection criteria in encoded form.
The work selection criteria is encoded as an array of bytes, where the value of each byte represents an attribute used for work selection. (See symbol definitions for work selection attributes - JDWSxxxx.)

End of Comment

108	(6C)	ADDRESS	2	JDXOWSEO	Offset from the beginning of DSECT to the work selection array
110	(6E)	ADDRESS	2	JDXOWSEL	Length of the work selection array
110	(6E)	X'70'	0	JDXOSIZE	""-JDXOJXMT" Size of job transmitter OFFLOAD section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDX2JXMT	, Job xmitter JES2 section
0	(0)	ADDRESS	4	JDX2LNG	Length of this section
4	(4)	ADDRESS	1	JDX2TYPE	Section type
5	(5)	ADDRESS	1	JDX2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDX2DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDX2SIZE	""-JDX2JXMT" Size of Job xmitter JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDYHSXMT	, SYSOUT transmitter header
0	(0)	CHARACTER	8	JDYHEYE	Eye catcher
8	(8)	ADDRESS	2	JDYHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDYHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDYHJPLX	"JDYHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDYHNEX8	Address of header of the next device
24	(18)	X'1C'	0	JDYHNEXT	"JDYHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDYHPAR8	Address of parent device (offload, line or NJE conn)
32	(20)	X'24'	0	JDYHPARN	"JDYHPAR8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDYHSIZE	""-JDYHSXMT" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDYCSXMT	, SYSOUT transmitter common section
0	(0)	ADDRESS	4	JDYCLNG	Length of this section
4	(4)	ADDRESS	1	JDYCTYPE	Section type
5	(5)	ADDRESS	1	JDYCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDYCDEVT	Device type

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
9	(9)	ADDRESS	1	JDYDCEVC	Device class: JDDCNJE for NJE devices JDDCOFLD for OFFLOAD devices
10	(A)	CHARACTER	10	JDYCNNAME	Device name
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	2	JDYCYSTAT (0)	Device status: (see common device status flags)
28	(1C)	BITSTRING	1	JDYCYSTA1	first status byte
29	(1D)	BITSTRING	1	JDYCYSTA2	second status byte
30	(1E)	CHARACTER	8	JDYCSYSN	Owning MVS system name
38	(26)	CHARACTER	8	JDYCMBRN	JESplex member name
46	(2E)	CHARACTER	8	JDYCESECL	Security label
54	(36)	BITSTRING	2		Reserved
56	(38)	CHARACTER	8	JDYCCSTA	Status, character value
56	(38)	X'40'	0	JDYCSIZE	"*-JDYCSXMT" Size of SYSOUT transmitter common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDYNSXMT	, SYSOUT transmitter NJE section
0	(0)	ADDRESS	4	JDYNLNG	Length of this section
4	(4)	ADDRESS	1	JDYNTYPE	Section type
5	(5)	ADDRESS	1	JDYNMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved

Comment

Values for attributes used for work selection

End of Comment

8	(8)	SIGNED	4	(0)	Dataset size range for work selection (records):
8	(8)	SIGNED	4	JDYNWDSL	dataset size low limit
12	(C)	SIGNED	4	JDYNWDSH	dataset size high limit
16	(10)	SIGNED	4	(0)	SYSOUT size range for work selection (pages):
16	(10)	SIGNED	4	JDYNWPLL	page limit - low limit
20	(14)	SIGNED	4	JDYNWPLH	page limit - high limit
24	(18)	BITSTRING	1	JDYNFLAG	Work selection flags:
		1... ..		JDYNFODH	"B'10000000" select output with OUTDISP=HOLD
		.1..		JDYNFODK	"B'01000000" select output with OUTDISP=KEEP
		..1.		JDYNFODL	"B'00100000" select output with OUTDISP=LEAVE
		...1		JDYNFODW	"B'00010000" select output with OUTDISP=WRITE
25	(19)	BITSTRING	3		Reserved

Comment

 Work selection criteria in printable form.
 The work selection criteria string is represented
 in the format which would be used by appropriate
 JES configuration command.

End of Comment

28	(1C)	ADDRESS	2	JDYNWSCO	Offset from the beginning of DSECT to the work selection string
30	(1E)	ADDRESS	2	JDYNWSCL	Length of the work selection string

Comment

 Work selection criteria in encoded form.
 The work selection criteria is encoded as an array
 of bytes, where the value of each byte represents
 an attribute used for work selection.
 (See symbol definitions for work selection
 attributes - JDWSxxxx.)

End of Comment

32	(20)	ADDRESS	2	JDYNWSEO	Offset from the beginning of DSECT to the work selection array
34	(22)	ADDRESS	2	JDYNWSEL	Length of the work selection array
34	(22)	X'24'	0	JDYNSIZE	"*-JDYNSXMT" Size of SYSOUT transmitter NJE section (internal use only)

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDYOSXMT	, SYSOUT transmitter OFFLOAD section
0	(0)	ADDRESS	4	JDYOLNG	Length of this section
4	(4)	ADDRESS	1	JDYOTYPE	Section type
5	(5)	ADDRESS	1	JDYOMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDYOFLG1	Processing flags:
		1...		JDYO1NFY	"B'10000000" send notification message to TSO userid as requested
		.1..		JDYO1STR	"B'01000000" start this transmitter when OFFLOAD device is started
9	(9)	BITSTRING	1	JDYODISP	Post-offload SYSOUT disposition:
		.... ..1		JDYODDEL	"X'01" DELETE
		.... ..1		JDYODHLD	"X'02" HOLD
		.... ..11		JDYODKP	"X'03" KEEP
10	(A)	BITSTRING	2		Reserved

Comment

Values for attributes used for work selection

End of Comment

12	(C)	CHARACTER	4	JDYOWFCB	FCB name
16	(10)	CHARACTER	4	JDYOWFLH	Flash id
20	(14)	CHARACTER	8	JDYOWOWN	Dataset owner/creator
28	(1C)	CHARACTER	8	JDYOWJBN	Job name
36	(24)	SIGNED	4	(0)	Dataset size for work selection (records):
36	(24)	SIGNED	4	JDYOWDLL	dataset size low limit
40	(28)	SIGNED	4	JDYOWDHL	dataset size high limit
44	(2C)	SIGNED	4	(0)	SYSOUT size for work selection (pages):
44	(2C)	SIGNED	4	JDYOWPLL	page limit - low limit
48	(30)	SIGNED	4	JDYOWPLH	page limit - high limit
52	(34)	SIGNED	4	(0)	Job id range for work selection:
52	(34)	SIGNED	4	JDYOWJIL	job id low limit
56	(38)	SIGNED	4	JDYOWJIH	job id high limit
60	(3C)	CHARACTER	4	JDYOWUCS	UCS name
64	(40)	CHARACTER	4		Reserved
68	(44)	CHARACTER	8	JDYOWWTR	Writer name
76	(4C)	ADDRESS	1	JDYOWPTY	Output priority
77	(4D)	BITSTRING	1	JDYOWFLG	Work selection flags
		1...		JDYOWBRS	"B'10000000" select SYSOUT with BURST=YES (if not set - select BURST=NO)
		.1..		JDYOWHLD	"B'01000000" select output which is held (if not set - select output which is not held)
		..1.		JDYOWODH	"B'00100000" select output with OUTDISP=HOLD
		...1		JDYOWODK	"B'00010000" select output with OUTDISP=KEEP
		.... 1...		JDYOWODL	"B'00001000" select output with OUTDISP=LEAVE
		.... .1..		JDYOWODW	"B'00000100" select output with OUTDISP=WRITE
		.... ..1		JDYOWBNS	"B'00000010" BURST value was not set (ignore JDYOWBRS)
		.... ...1		JDYOWHNS	"B'00000001" HOLD value was not set (ignore JDYOWHLD)

Comment

 Array of output classes
 This is a variable size array of fixed-size
 character strings which represent names of output
 classes.

End of Comment

78	(4E)	ADDRESS	2	JDYOWCLO	Offset from the beginning of DSECT to the first output class
80	(50)	ADDRESS	2	JDYOWCL#	Number of elements in array
82	(52)	ADDRESS	2	JDYOWCLL	Length of each element

Comment

 Array of form names
 This is a variable size array of fixed-size
 character strings which represent form names.

End of Comment

84	(54)	ADDRESS	2	JDYOWFMO	Offset from the beginning of DSECT to the first form name
86	(56)	ADDRESS	2	JDYOWFM#	Number of elements in array
88	(58)	ADDRESS	2	JDYOWFML	Length of each element

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>-----</p> <p>Array of processing modes This is a variable size array of fixed-size character strings which represent names of processing modes.</p> <p>-----</p>					
End of Comment					
90	(5A)	ADDRESS	2	JDYOWPMO	Offset from the beginning of DSECT to the first processing mode name
92	(5C)	ADDRESS	2	JDYOWPM#	Number of elements in array
94	(5E)	ADDRESS	2	JDYOWPML	Length of each element
Comment					
<p>-----</p> <p>Array of routing codes/destination ids. This is variable size array of fixed-size character strings which represent routing codes or destination ids.</p> <p>-----</p>					
End of Comment					
96	(60)	ADDRESS	2	JDYOWDSO	Offset from the beginning of DSECT to the first route code/dest id
98	(62)	ADDRESS	2	JDYOWDS#	Number of elements in array
100	(64)	ADDRESS	2	JDYOWDSL	Length of each element
Comment					
<p>-----</p> <p>Array of binary route codes for work selection This is variable size array of fixed-size structures, mapped by the JDD2DEST structure, of binary route codes used for work selection.</p> <p>-----</p>					
End of Comment					
102	(66)	ADDRESS	2	JDYOWRCO	Offset from the beginning of DSECT to the first route code
104	(68)	ADDRESS	2	JDYOWRC#	Number of elements in array
106	(6A)	ADDRESS	2	JDYOWRCL	Length of each element
Comment					
<p>-----</p> <p>Array of spool volume names for work selection This is variable size array of fixed-size character strings which represent spool volume names used for work selection.</p> <p>-----</p>					
End of Comment					
108	(6C)	ADDRESS	2	JDYOWVLO	Offset from the beginning of DSECT to the first volume name
110	(6E)	ADDRESS	2	JDYOWVL#	Number of elements in array
112	(70)	ADDRESS	2	JDYOWVLL	Length of each element
114	(72)	BITSTRING	2		Reserved
Comment					
<p>-----</p> <p>Work selection criteria in printable form. The work selection criteria string is represented in the format which would be used by appropriate JES configuration command.</p> <p>-----</p>					
End of Comment					
116	(74)	ADDRESS	2	JDYOWSCO	Offset from the beginning of DSECT to the work selection string
118	(76)	ADDRESS	2	JDYOWSCL	Length of the work selection string

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>Work selection criteria in encoded form. The work selection criteria is encoded as an array of bytes, where the value of each byte represents an attribute used for work selection. (See symbol definitions for work selection attributes - JDWSxxxx.)</p>					
End of Comment					
120	(78)	ADDRESS	2	JDYOWSEO	Offset from the beginning of DSECT to the work selection array
122	(7A)	ADDRESS	2	JDYOWSEL	Length of the work selection array

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>More work selection flags:</p>					
End of Comment					
124	(7C)	BITSTRING	1	JDYOWFL2	More Work Selection flags:
		1...		JDYO2JOB	"B'10000000" Job ID range is for JOB
		.1..		JDYO2STC	"B'01000000" Job ID range is for STC
		..1.		JDYO2TSU	"B'00100000" Job ID range is for TSU
125	(7D)	BITSTRING	3		Reserved
125	(7D)	X'80'	0	JDYOSIZE	"*-JDYOSXMT" Size of SYSOUT transmitter OFFLOAD section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDY2SXMT	, SYSOUT xmitter device JES2 section
0	(0)	ADDRESS	4	JDY2LNG	Length of this section
4	(4)	ADDRESS	1	JDY2TYPE	Section type
5	(5)	ADDRESS	1	JDY2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	3	JDY2DVID	Binary device id
11	(B)	BITSTRING	1		Reserved
11	(B)	X'C'	0	JDY2SIZE	"*-JDY2SXMT" Size of SYSOUT xmitter JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDJHNJEC	, NJE connection header
0	(0)	CHARACTER	8	JDJHEYE	Eye catcher
8	(8)	ADDRESS	2	JDJHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	1	JDJHFLAG	Header flags:
		1...		JDJHFHCN	"B'10000000" this header has continuation
		.1..		JDJHFICN	"B'01000000" this header is continuation
11	(B)	BITSTRING	1		Reserved
12	(C)	SIGNED	4	JDJHDEV#	Number of related devices in the chain (see JDJHDEV8)
16	(10)	ADDRESS	8	JDJHJPL8	Address of IAZJPLXI for this device
16	(10)	X'14'	0	JDJHJPLX	"JDJHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDJHNEX8	Address of header of the next NJE connection
24	(18)	X'1C'	0	JDJHNEXT	"JDJHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDJHDEV8	Address of header of the first related device
32	(20)	X'24'	0	JDJHDEV8	"JDJHDEV8+4,4,C'A" 31-bit part of the pointer
40	(28)	ADDRESS	8	JDJHCON8	Address of continuation header
40	(28)	X'2C'	0	JDJHCONT	"JDJHCON8+4,4,C'A" 31-bit part of the pointer
40	(28)	X'30'	0	JDJHSIZE	"*-JDJHNJEC" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDJCNJEC	, NJE connection common section
0	(0)	ADDRESS	4	JDJCLNG	Length of this section
4	(4)	ADDRESS	1	JDJCTYPE	Section type

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
5	(5)	ADDRESS	1	JDJCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDJCNAME	NJE connection name
16	(10)	CHARACTER	8	JDJCSYSN	Owning MVS system name
24	(18)	CHARACTER	8	JDJCMBRN	JESplex member name
32	(20)	CHARACTER	8	JDJCADJN	Adjacent node name
40	(28)	CHARACTER	8	JDJCNSDL	Adjacent node security label
48	(30)	BITSTRING	2	JDJCSTAT (0)	NJE connection status: (see common device status flags)
48	(30)	BITSTRING	1	JDJCSTA1	first status byte
49	(31)	BITSTRING	1	JDJCSTA2	second status byte
50	(32)	ADDRESS	1	JDJCPROT	Communication protocol type:
		.... ..1		JDJCPBSC	"X'01" BSC
		.... ..1.		JDJCPSNA	"X'02" SNA
		.... ..11		JDJCPTCP	"X'03" TCP/IP
51	(33)	BITSTRING	1	JDJCFLAG	Processing flags:
		1...		JDJCFAUT	"B'10000000" auto restart
		.1.		JDJCFTRB	"B'01000000" basic trace requested
		.1.		JDJCFTCM	"B'00100000" common code trace requested
		..1		JDJCFTEX	"B'00010000" extended trace requested
		.... 1..		JDJCFEND	"B'00001000" auto connect required (CONNECT=YES)
		.... .1.		JDJCFENA	"B'00000100" auto connect not required (CONNECT=NO) if both JDJCFENA and JDJCFENN are off, CONNECT=DEFAULT
52	(34)	CHARACTER	10	JDJCNAM2	Associated device name: - line device name for BSC - logon device name for SNA - NETSRV name for TCP/IP
62	(3E)	SIGNED	2	JDJCRINT	Auto restart interval (minutes)
64	(40)	SIGNED	2	JDJCRETR	Max number of restart retries (0 - indefinite retry)
66	(42)	SIGNED	2	JDJCSTR#	Number of SYSOUT transmitters
68	(44)	SIGNED	2	JDJCSRC#	Number of SYSOUT receivers
70	(46)	SIGNED	2	JDJCJTR#	Number of job transmitters
72	(48)	SIGNED	2	JDJCJRC#	Number of job receivers
74	(4A)	BITSTRING	2		Reserved
76	(4C)	BITSTRING	4	JDJCSKID	TCP/IP socket ID assigned by NETSRV (NJE over TCP/IP)
80	(50)	CHARACTER	8	JDJCCSTA	Status, character value
80	(50)	X'58'	0	JDJCSIZE	"*-JDJCNJEC" Size of NJE connection common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDWHRMTW	, Remote workstation data header
0	(0)	CHARACTER	8	JDWHEYE	Eye catcher
8	(8)	ADDRESS	2	JDWHOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	2		Reserved
12	(C)	SIGNED	4	JDWHDEV#	Number of related devices in the chain (see JDWHDEV8)
16	(10)	ADDRESS	8	JDWHJPL8	Address of IAZJPLX1 for this device
16	(10)	X'14'	0	JDWHJPLX	"JDWHJPL8+4,4,C'A" 31-bit part of a pointer
24	(18)	ADDRESS	8	JDWHNEX8	Address of header of the next remote workstation
24	(18)	X'1C'	0	JDWHNEXT	"JDWHNEX8+4,4,C'A" 31-bit part of the pointer
32	(20)	ADDRESS	8	JDWHDEV8	Address of header of the first related device
32	(20)	X'24'	0	JDWHDEV8	"JDWHDEV8+4,4,C'A" 31-bit part of the pointer
32	(20)	X'28'	0	JDWHSIZE	"*-JDWHRMTW" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDWCRMTW	, Remote workstation common section
0	(0)	ADDRESS	4	JDWCLNG	Length of this section
4	(4)	ADDRESS	1	JDWCTYPE	Section type
5	(5)	ADDRESS	1	JDWCMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	10	JDWCNAME	Remote workstation name
18	(12)	CHARACTER	8	JDWCYSN	Owning MVS system name
26	(1A)	CHARACTER	8	JDWCMBRN	JESplex member name
34	(22)	CHARACTER	8	JDWCDEVT	Remote workstation device type
42	(2A)	BITSTRING	2	JDWCSTAT (0)	Remote workstation status: (see common device status flags)
42	(2A)	BITSTRING	1	JDWCSTA1	first status byte
43	(2B)	BITSTRING	1	JDWCSTA2	second status byte
44	(2C)	ADDRESS	1	JDWCPRROT	Connection protocol type:
		.... ..1		JDWCPSBSC	"X'01" BSC
		.... ..1.		JDWCPSNA	"X'02" SNA
45	(2D)	BITSTRING	1	JDWCFLAG	Processing flags:
		1...		JDWCFCMP	"B'10000000" compression supported
		.1.		JDWCFCNS	"B'01000000" workstation has console

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		JDWCFMSG	"B'00100000" messages will be printed if console is not available
		...1		JDWCFPWD	"B'00010000" password set indicator
46	(2E)	CHARACTER	10	JDWCLINE	Associated line device name
56	(38)	SIGNED	2	JDWCBUFS	Buffer size (bytes)
58	(3A)	SIGNED	2	JDWCDSCI	Disconnect interval (seconds)
60	(3C)	SIGNED	2	JDWCRTC	Route code
62	(3E)	SIGNED	2	JDWCCRTC	Console route code
64	(40)	ADDRESS	1	JDWCWTIM	Wait time (seconds)
65	(41)	ADDRESS	1	JDWCPRT#	Number of attached printers
66	(42)	ADDRESS	1	JDWCPUN#	Number of attached punches
67	(43)	ADDRESS	1	JDWCRDR#	Number of attached readers
68	(44)	CHARACTER	8	JDWCCSTA	Status, character value
68	(44)	X'4C'	0	JDWCSIZE	""-JDWCRMTW" Size of remote ws common section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDWNSNA	, Remote workstation SNA section
0	(0)	ADDRESS	4	JDWNLNG	Length of this section
4	(4)	ADDRESS	1	JDWNTYPE	Section type
5	(5)	ADDRESS	1	JDWNMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDWNLUNM	SNA LU name
16	(10)	CHARACTER	10	JDWNLOGN	Logon device name
26	(1A)	BITSTRING	1	JDWNFLAG	Processing flags:
		1...		JDWNFLGN	"B'10000000" enable automatic logon
		.1..		JDWNFCMP	"B'01000000" use compaction
		..1.		JDWNFMSG	"B'00100000" send setup request via message (if not set - send via PDIR)
27	(1B)	BITSTRING	1		Reserved
27	(1B)	X'1C'	0	JDWNSIZE	""-JDWNSNA" Size of remote workstation SNA section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDWBSC	, Remote workstation data for BSC
0	(0)	ADDRESS	4	JDWBLNG	Length of this section
4	(4)	ADDRESS	1	JDWBTYPE	Section type
5	(5)	ADDRESS	1	JDWBMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDWBFLG1	Processing flags (1):
		1...		JDWB1BEX	"B'10000000" buffer expansion feature
		.1..		JDWB1BXA	"B'01000000" additional buffer expansion feature
		..1.		JDWB1BLK	"B'00100000" blocked data record format
		...1		JDWB1HTB	"B'00010000" horizontal tabs feature
		.... 1...		JDWB1MFJ	"B'00001000" add job name to messages
		.... .1..		JDWB1MFT	"B'00000100" add time stamp to messages
		.... ..1.		JDWB1MRF	"B'00000010" multi-record feature
		.... ...1		JDWB1MLV	"B'00000001" multi-leaving capability
9	(9)	BITSTRING	1	JDWBFLG2	Processing flags (2):
		1...		JDWB2VAR	"B'10000000" variable length record format (if not set - fixed length format)
		.1..		JDWB2TPY	"B'01000000" text transparency feature
		..1.		JDWB2SHR	"B'00100000" shared line definition (multiple workstations can use the same line definition)
10	(A)	BITSTRING	2		Reserved
10	(A)	X'C'	0	JDWBSize	""-JDWBSC" Size of remote ws BSC section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDW2RMTW	, Remote workstation data for JES2
0	(0)	ADDRESS	4	JDW2LNG	Length of this section
4	(4)	ADDRESS	1	JDW2TYPE	Section type
5	(5)	ADDRESS	1	JDW2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	BITSTRING	1	JDW2FLAG	Processing flags:
		1...		JDW2F150	"B'10000000" send HASP150 message to this workstation in addition to local operator
		.1..		JDW2F190	"B'01000000" HASP190 message type is ACTION (if not set - INFO)
9	(9)	BITSTRING	3		Reserved
9	(9)	X'C'	0	JDW2SIZE	""-JDW2RMTW" Size of remote ws JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDAPPLIC	, SNA application section
0	(0)	ADDRESS	4	JDAPLNG	Length of this section
4	(4)	ADDRESS	1	JDAPTYPE	Section type
5	(5)	ADDRESS	1	JDAPMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDAPNAME	VTAM application name
16	(10)	CHARACTER	8	JDAPLOGM	VTAM logmode
24	(18)	SIGNED	2	JDAPREST	Application resistance
26	(1A)	BITSTRING	2		Reserved
28	(1C)	CHARACTER	8	JDAPCMPT	Compaction table name
28	(1C)	X'24'	0	JDAPSIZE	**-JDAPPLIC" Size of SNA application section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDA2APPL	, SNA application JES2 section
0	(0)	ADDRESS	4	JDA2LNG	Length of this section
4	(4)	ADDRESS	1	JDA2TYPE	Section type
5	(5)	ADDRESS	1	JDA2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	10	JDA2LNAM	Associated line name
18	(12)	CHARACTER	10	JDA2LGNM	Associated logon name
28	(1C)	BITSTRING	3	JDA2LNDV	Associated line device id
31	(1F)	BITSTRING	3	JDA2LGDV	Associated logon device id
34	(22)	BITSTRING	2		Reserved
34	(22)	X'24'	0	JDA2SIZE	**-JDA2APPL" Size of SNA application JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDSKSOCK	, TCP socket section
0	(0)	ADDRESS	4	JDSKLNG	Length of this section
4	(4)	ADDRESS	1	JDSKTYPE	Section type
5	(5)	ADDRESS	1	JDSKMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDSKNAME	Socket name
16	(10)	ADDRESS	2	JDSKIHNO	Offset to the IP host name from the section start
18	(12)	ADDRESS	2	JDSKIHNL	Length of the IP host name
20	(14)	BITSTRING	16	JDSKIADR	IP address
36	(24)	BITSTRING	16	JDSKTPNM	TCP port name
52	(34)	ADDRESS	2	JDSKTPNR	TCP port number
54	(36)	CHARACTER	10	JDSKNSRV	NETSRV name
64	(40)	BITSTRING	1	JDSKFLAG	Socket flags:
		1...		JDSKFTLS	"B'10000000" secure socket (TLS)
		.1..		JDSKFSRV	"B'01000000" server-type socket - dynamically created for inbound (passive)
					TCP connections
65	(41)	BITSTRING	3		Reserved
65	(41)	X'44'	0	JDSKSIZE	**-JDSKSOCK" Size of socket data section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDK2SOCK	, TCP socket JES2 section
0	(0)	ADDRESS	4	JDK2LNG	Length of this section
4	(4)	ADDRESS	1	JDK2TYPE	Section type
5	(5)	ADDRESS	1	JDK2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	10	JDK2LNAM	Associated line name
18	(12)	BITSTRING	3	JDK2LNDV	Associated line device id
21	(15)	BITSTRING	3	JDK2NSDV	Associated NETSRV device id
24	(18)	BITSTRING	2	JDK2REST	Socket resistance
26	(1A)	BITSTRING	2		Reserved
26	(1A)	X'1C'	0	JDK2SIZE	**-JDK2SOCK" Size of socket data JES2 section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDNRNODE	, Reachable NJE nodes section
0	(0)	ADDRESS	4	JDNRLNG	Length of this section
4	(4)	ADDRESS	1	JDNRTYPE	Section type

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
5	(5)	ADDRESS	1	JDNRMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	2	JDNROENT	Offset to the first entry
10	(A)	ADDRESS	2	JDNRNENT	Number of entries (nodes) reported in this fragment
12	(C)	ADDRESS	2	JDNRSENT	Size of each node entry (mapped by JDNINODE DSECT)
14	(E)	ADDRESS	2	JDNR1ENT	Index of the first entry reported in this fragment
16	(10)	BITSTRING	1	JDNRFLAG	Flags:
		1...		JDNRFHCN	"B'10000000" this section has continuation
		.1...		JDNRFICN	"B'01000000" this section is continuation
17	(11)	BITSTRING	3		Reserved
17	(11)	X'14'	0	JDNRSIZE	**_JDNRNODE" Size of reachable NJE nodes section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDNINODE	, NJE node information entry
0	(0)	CHARACTER	8	JDNINAME	Node name
8	(8)	BITSTRING	1	JDNIFLAG	Node connection status:
		1...		JDNIFACT	"B'10000000" active
		.1...		JDNIFPND	"B'01000000" pending
8	(8)	X'9'	0	JDNISIZE	**_JDINODE" Size of NJE node information entry (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDALULST	, Active LU list section
0	(0)	ADDRESS	4	JDALLNG	Length of this section
4	(4)	ADDRESS	1	JDALTYPE	Section type
5	(5)	ADDRESS	1	JDALMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	2	JDALOENT	Offset to the first entry
10	(A)	ADDRESS	2	JDALNENT	Number of entries (LUs) reported in this fragment
12	(C)	ADDRESS	2	JDALSENT	Size of each LU entry (mapped by JDAILUEN DSECT)
14	(E)	ADDRESS	2	JDAL1ENT	Index of the first entry reported in this fragment
16	(10)	BITSTRING	1	JDALFLAG	Flags:
		1...		JDALFHCN	"B'10000000" this section has continuation
		.1...		JDALFICN	"B'01000000" this section is continuation
17	(11)	BITSTRING	3		Reserved
17	(11)	X'14'	0	JDALSIZE	**_JDALULST" Size of active LU list section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDAILUEN	, LU information entry
0	(0)	CHARACTER	8	JDAINAME	LU name
8	(8)	CHARACTER	10	JDAIDNAM	Associated device name
8	(8)	X'12'	0	JDAISIZE	**_JDAILUEN" Size of LU information entry (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDASOCKL	, Active sockets section
0	(0)	ADDRESS	4	JDASLNG	Length of this section
4	(4)	ADDRESS	1	JDASTYPE	Section type
5	(5)	ADDRESS	1	JDASMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	2	JDASOENT	Offset to the first entry
10	(A)	ADDRESS	2	JDASNENT	Number of entries (sockets) reported in this fragment
12	(C)	ADDRESS	2	JDASENT	Size of each socket entry (mapped by JDAESKEN DSECT)
14	(E)	ADDRESS	2	JDAS1ENT	Index of the first entry reported in this fragment
16	(10)	BITSTRING	1	JDASFLAG	Flags:
		1...		JDASFHCN	"B'10000000" this section has continuation
		.1...		JDASFICN	"B'01000000" this section is continuation
17	(11)	BITSTRING	3		Reserved
17	(11)	X'14'	0	JDASSIZE	**_JDASOCKL" Size of active sockets section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDAESKEN	, Socket information entry
0	(0)	CHARACTER	8	JDAENAME	Socket name
8	(8)	CHARACTER	10	JDAEDNAM	Associated device name
18	(12)	CHARACTER	4	JDAESKID	Socket id assigned by NETSRV
18	(12)	X'16'	0	JDAESIZE	**"JDAESKEN" Size of socket information entry (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDJBINFO	, Job information section
0	(0)	ADDRESS	4	JDJBLNG	Length of this section
4	(4)	ADDRESS	1	JDJBTYPE	Section type
5	(5)	ADDRESS	1	JDJBMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDJBJOB	Name of the job being processed
16	(10)	CHARACTER	8	JDJBJOBID	Job id of the job being processed
24	(18)	SIGNED	4	JDJBJOBNUM	Job number of job being processed
28	(1C)	CHARACTER	8	JDJBOWNN	Name of the owner/creator of the job/SYSOUT dataset being processed
36	(24)	CHARACTER	8	JDJBOWSL	Security label of the owner/creator
44	(2C)	CHARACTER	8	JDJBJOBCLASS	Job class of the job being processed
52	(34)	BITSTRING	1	JDJBPRIO	Job priority
53	(35)	BITSTRING	1	JDJBTYPE	Job type
53	(35)	X'1'	0	JDJBSTC	"1" Started Task (STC)
53	(35)	X'2'	0	JDJBTSU	"2" Time Sharing User (TSU)
53	(35)	X'3'	0	JDJBJOB	"3" Batch job (JOB)
54	(36)	BITSTRING	2		Reserved

Comment

Job-level progress counters (for devices which process jobs rather than SYSOUT)

End of Comment

56	(38)	SIGNED	4	JDJBTRC#	Total records in job
60	(3C)	SIGNED	4	JDJBPRC#	Number of records processed
60	(3C)	X'40'	0	JDJBFSIZE	**"JDJBINFO" Size of job information section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDUTINFO	, Output information section
0	(0)	ADDRESS	4	JDUTLNG	Length of this section
4	(4)	ADDRESS	1	JDUTTYPE	Section type
5	(5)	ADDRESS	1	JDUTMOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	JDUTOUTC	Output class of the SYSOUT dataset being processed
16	(10)	CHARACTER	8	JDUTFORM	Current forms
24	(18)	CHARACTER	8	JDUTPRMD	Current PRMODE
32	(20)	CHARACTER	8	JDUTWRN	Current Writer name
40	(28)	CHARACTER	8	JDUTTJBN	Transaction job name
48	(30)	CHARACTER	8	JDUTTWKI	Transaction work id
56	(38)	CHARACTER	4	JDUTFLSH	Current FLASH
60	(3C)	CHARACTER	4	JDUTFCB	Current FCB
64	(40)	CHARACTER	4	JDUTUCS	Current UCS
68	(44)	CHARACTER	18	JDUTDEST	Current destination
86	(56)	BITSTRING	1	JDUTPRIO	Output priority
87	(57)	BITSTRING	1	JDUTFLG1	Flags
		1... ..		JDUT1BR5	"B'10000000" Burst setting (ON=YES, OFF=NO)

Comment

Progress counters of active SYSOUT dataset

End of Comment

88	(58)	SIGNED	4	JDUTTPG#	Total pages in SYSOUT dataset
92	(5C)	SIGNED	4	JDUTPPG#	Number of pages processed
96	(60)	SIGNED	4	JDUTTRC#	Total records in SYSOUT dataset

IAZSSJD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
100	(64)	SIGNED	4	JDUTPRC#	Number of records processed
100	(64)	X'68'	0	JDUTSIZE	**-JDUTINFO" Size of output information section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDU2INFO	, JES2 output information section
0	(0)	ADDRESS	4	JDU2LNG	Length of this section
4	(4)	ADDRESS	1	JDU2TYPE	Section type
5	(5)	ADDRESS	1	JDU2MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	12	JDU2JOID (0)	Joe identifier for the unit of work in progress on device
8	(8)	CHARACTER	8	JDU2JOEN	Name of JOE for the unit of work
16	(10)	SIGNED	2	JDU2JOE1	JOE id 1
18	(12)	SIGNED	2	JDU2JOE2	JOE id 2
20	(14)	BITSTRING	8	JDU2IMQT	MQTR of spin IOT (format for spool read SSI)
28	(1C)	CHARACTER	12	JDU2DEST (0)	Binary destination of output
28	(1C)	SIGNED	2	JDU2NDE	Nodal part of binary destination
30	(1E)	SIGNED	2	JDU2RTE	Remote part of binary destination
32	(20)	CHARACTER	8	JDU2USER	Userid part of binary destination
32	(20)	X'28'	0	JDU2SIZE	**-JDU2INFO" Size of output information section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDU3INFO	, JES3 output information section
0	(0)	ADDRESS	4	JDU3LNG	Length of this section
4	(4)	ADDRESS	1	JDU3TYPE	Section type
5	(5)	ADDRESS	1	JDU3MOD	Section type modifier
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	1	JDU3COPY	Copy count
9	(9)	BITSTRING	7		Reserved
9	(9)	X'10'	0	JDU3SIZE	**-JDU3INFO" Size of output information section (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDSIHDR	, System information header
0	(0)	CHARACTER	8	JDSIEYE	Eye-catcher
8	(8)	ADDRESS	2	JDSIOHDR	Offset to first (prefix) section
10	(A)	BITSTRING	6		Reserved
16	(10)	ADDRESS	8	JDSINEX8	Address of next header
16	(10)	X'14'	0	JDSINEXT	"JDSINEX8+4,4,C'A" 31-bit part of the pointer
16	(10)	X'18'	0	JDSISIZE	**-JDSIHDR" Header size (internal use only)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	JDSGSTRG	, Storage management DSECT
0	(0)	CHARACTER	8	JDSGEYE	Eye-catcher
8	(8)	ADDRESS	2	JDSGSTHL	Length of header area
10	(A)	SIGNED	2	JDSGSTSP	Subpool of this block
10	(A)	X'E6'	0	JDSGSTPL	"230" Recommended subpool to use
12	(C)	SIGNED	4	JDSGSTTL	Total length of this block (including this header)
16	(10)	ADDRESS	8	JDSGNEXT	Pointer to next block
24	(18)	ADDRESS	8	JDSGAVL	Ptr to 1st available byte
32	(20)	ADDRESS	4	JDSGDATA (0)	Start of data in the block
32	(20)	X'20'	0	JDSGSIZE	**-JDSGSTRG"

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDAEDNAM	8		JDBHJRCV	0	
JDAENAME	0		JDBHNEXT	18	1C
JDAESIZE	12	16	JDBHNEX8	18	
JDAESKEN	0		JDBHOHDR	8	
JDAESKID	12		JDBHPARN	20	24
JDAIDNAM	8		JDBHPAR8	20	
JDAILUEN	0		JDBHSIZE	20	28
JDAINAME	0		JDBOEANY	8	20
JDAISIZE	8	12	JDBOFLG1	8	
JDALFHCN	10	80	JDBOJRCV	0	
JDALFICN	10	40	JDBOLNG	0	
JDALFLAG	10		JDBOMJBC	C	
JDALLNG	0		JDBOMMB#	28	
JDALMOD	5		JDBOMMBL	2A	
JDALNENT	A		JDBOMMBO	26	
JDALOENT	8		JDBOMMOD	5	
JDALSENT	C		JDBOMROU	14	
JDALSIZ	11	14	JDBOSIZE	7E	80
JDALTYPE	4		JDBOTYPE	4	
JDALULST	0		JDBOWANY	54	20
JDAL1ENT	E		JDBOWCL#	62	
JDAPCMPT	1C		JDBOWCLL	64	
JDAPLNG	0		JDBOWCLO	60	
JDAPLOGM	10		JDBOWDS#	68	
JDAPMOD	5		JDBOWDSL	6A	
JDAPNAME	8		JDBOWDSO	66	
JDAPPLIC	0		JDBOWFLG	54	
JDAPREST	18		JDBOWHLD	54	80
JDAPSIZE	1C	24	JDBOWJBN	34	
JDAPTYPE	4		JDBOWJIH	5C	
JDASFHCN	10	80	JDBOWJIL	58	
JDASFICN	10	40	JDBOWJOB	54	10
JDASFLAG	10		JDBOWMB#	74	
JDASLNG	0		JDBOWMBL	76	
JDASMOD	5		JDBOWMBO	72	
JDASNENT	A		JDBOWOWN	2C	
JDA SOCKL	0		JDBOWRC#	6E	
JDASOENT	8		JDBOWRCL	70	
JDASSENT	C		JDBOWRCO	6C	
JDASSIZE	11	14	JDBOWRLS	54	40
JDASTYPE	4		JDBOWSCH	44	
JDAS1ENT	E		JDBOWSCL	7A	
JDA2APPL	0		JDBOWSCO	78	
JDA2LGDV	1F		JDBOWSEL	7E	
JDA2LGNM	12		JDBOWSEO	7C	
JDA2LNAM	8		JDBOWSTC	54	8
JDA2LNDV	1C		JDBOWSVN	3C	
JDA2LNG	0		JDBOWTSU	54	4
JDA2MOD	5		JDBO1NFY	8	80
JDA2SIZE	22	24	JDBO1STR	8	40
JDA2TYPE	4		JDB2DVID	8	
JDBCCSTA	3C		JDB2JRCV	0	
JDBCDEVC	9		JDB2LNG	0	
JDBCDEVT	8		JDB2MOD	5	
JDBCFLG1	38		JDB2SIZE	B	C
JDBCJRCV	0		JDB2TYPE	4	
JDBC LNG	0		JDCCCONS	0	
JDBCMBRN	26		JDCCCSTA	38	
JDBCMOD	5		JDCCDEVC	9	
JDBCNAME	A		JDCCDEVT	8	
JDBCSECL	2E		JDCC LNG	0	
JDBC SIZE	3C	44	JDCCMBRN	26	
JDBCSTAT	1C		JDCCMOD	5	
JDBCSTA1	1C		JDCCNAME	A	
JDBCSTA2	1D		JDCCSECL	2E	
JDBC SYSN	1E		JDCCSIZE	38	40
JDBCTYPE	4		JDCCSTAT	1C	
JDBC1HLD	38	80	JDCCSTA1	1C	
JDBC1RLS	38	40	JDCCSTA2	1D	
JDBHEYE	0	D1C4C2C8	JDCCSYSN	1E	
JDBHJPLX	10	14	JDCCTYPE	4	
JDBHJPL8	10		JDCHCONS	0	

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDCHEYE	0	D1C4C3C8	JDGCFTRC	38	10
JDCHJPLX	10	14	JDGCLNG	0	
JDCHJPL8	10		JDGCLOGN	0	
JDCHNEXT	18	1C	JDGCMBRN	26	
JDCHNEX8	18		JDGCMOD	5	
JDCCHOHDR	8		JDGCNAME	A	
JDCHPARN	20	24	JDGCRETR	3C	
JDCHPAR8	20		JDGCRINT	3A	
JDCHSIZE	20	28	JDGCSECL	2E	
JDCXDATA	8		JDGCsize	40	48
JDCXLNG	0		JDGCSTAT	1C	
JDCXMOD	5		JDGCSTA1	1C	
JDCXPREF	0		JDGCSTA2	1D	
JDCXSIZE	8	8	JDGCSYSN	1E	
JDCXTYPE	4		JDGCTYPE	4	
JDC2CONS	0		JDGHCONT	28	2C
JDC2DVID	8		JDGHCON8	28	
JDC2LNG	0		JDGHEYE	0	D1C4C7C8
JDC2MOD	5		JDGHFHCN	A	80
JDC2SIZE	B	C	JDGHFICN	A	40
JDC2TYPE	4		JDGHFLAG	A	
JDC3AUTH	8		JDGHJPLX	10	14
JDC3CONS	0		JDGHJPL8	10	
JDC3DST#	14		JDGHLOGN	0	
JDC3DSTL	16		JDGHNEXT	18	1C
JDC3DSTO	12		JDGHNEX8	18	
JDC3LNG	0		JDGHOHDR	8	
JDC3MOD	5		JDGHPARN	20	24
JDC3RTC#	E		JDGHPAR8	20	
JDC3RTCL	10		JDGHSIZE	28	30
JDC3RTCO	C		JDG2DVID	8	
JDC3SIZE	16	18	JDG2LNG	0	
JDC3TYPE	4		JDG2LOGN	0	
JDDCIFIC	198	2	JDG2MOD	5	
JDDCINT	198	3	JDG2SIZE	B	C
JDDCLCL	198	1	JDG2TYPE	4	
JDDCNJE	198	4	JDG3DSPJ	8	
JDDCOFLD	198	5	JDG3LNG	0	
JDDCRMRT	198	6	JDG3LOGN	0	
JDDGCONS	198	10	JDG3MOD	5	
JDDGIFIC	198	20	JDG3SIZE	12	14
JDDGLINE	198	30	JDG3SNLM	10	
JDDGOFLD	198	40	JDG3TYPE	4	
JDDGPRT	198	50	JDJBINFO	0	
JDDGPUN	198	60	JDJBINUM	18	
JDDGRCV	198	80	JDJBJOB	35	3
JDDGRDR	198	70	JDJBJOB	2C	
JDDGXMT	198	90	JDJBJOB	10	
JDDTCONS	198	11	JDJBJOB	8	
JDDTJRCV	198	81	JDJBTYPE	35	
JDDTJXMT	198	91	JDJBLOG	0	
JDDTLNE	198	31	JDJBMOD	5	
JDDTLOGN	198	21	JDJBOWNN	1C	
JDDTNSRV	198	22	JDJBOWSL	24	
JDDTOFLD	198	41	JDJBPRC#	3C	
JDDTPRT	198	51	JDJBPRIO	34	
JDDTPUN	198	61	JDJBsize	3C	40
JDDTRDR	198	71	JDJBSTC	35	1
JDDTSRCV	198	82	JDJBTRC#	38	
JDDTSXMT	198	92	JDJBTSU	35	2
JDD2DEST	0		JDJBTYPE	4	
JDD2DSIZ	4	C	JDJCADJN	20	
JDD2NODE	0		JDJCCSTA	50	
JDD2RTE	2		JDJCAUT	33	80
JDD2USER	4		JDJFCNA	33	4
JDGCAPPL	14		JDJFCND	33	8
JDGCCSTA	40		JDJFLAG	33	
JDGCDEVC	9		JDJCFM	33	20
JDGCDEVT	8		JDJCFTEX	33	10
JDGCFAUT	38	20	JDJCFTRB	33	40
JDGCFERR	38	80	JDJCJRC#	48	
JDGCFLAG	38		JDJCJTR#	46	
JDGCFLOG	38	8	JDJCLNG	0	
JDGCFPWD	38	40	JDJCMBRN	18	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDJCMOD	5		JDLC1AUT	39	1
JDJCNAME	8		JDLC1CMP	39	8
JDJCNAM2	34		JDLC1DPX	39	4
JDJCNDSL	28		JDLC1NJA	39	40
JDJCNJEC	0		JDLC1NJE	39	10
JDJCPBSC	32	1	JDLC1PWD	39	2
JDJCPROT	32		JDLC1RJA	39	80
JDJCPNSA	32	2	JDLC1RJE	39	20
JDJCPTCP	32	3	JDLC2AB	3A	80
JDJCRETR	40		JDLC2CNA	3A	4
JDJCRINT	3E		JDLC2CNN	3A	2
JDJCSIZE	50	58	JDLC2TCM	3A	10
JDJCSKID	4C		JDLC2TEX	3A	8
JDJCSRC#	44		JDLC2TRB	3A	20
JDJCSTAT	30		JDLC2TRP	3A	40
JDJCSTA1	30		JDLHCONT	30	34
JDJCSTA2	31		JDLHCON8	30	
JDJCSTR#	42		JDLHDEV#	C	
JDJCSYSN	10		JDLHDEV8	28	2C
JDJCTYPE	4		JDLHDEV8	28	
JDJHCONT	28	2C	JDLHEYE	0	D1C4D3C8
JDJHCON8	28		JDLHFHCN	A	80
JDJHDEV#	C		JDLHFICN	A	40
JDJHDEV8	20	24	JDLHFLAG	A	
JDJHDEV8	20		JDLHJPLX	10	14
JDJHEYE	0	D1C4D1C8	JDLHJPL8	10	
JDJHFHCN	A	80	JDLHLINE	0	
JDJHFICN	A	40	JDLHNEXT	18	1C
JDJHFLAG	A		JDLHNEX8	18	
JDJHJPLX	10	14	JDLHOHDR	8	
JDJHJPL8	10		JDLHPARN	20	24
JDJHNEXT	18	1C	JDLHPAR8	20	
JDJHNEX8	18		JDLHSIZE	30	38
JDJHNJEC	0		JDL2CNAM	8	
JDJHOHDR	8		JDL2DVID	21	
JDJHSIZE	28	30	JDL2FAB	20	10
JDK2LNAM	8		JDL2FADS	20	80
JDK2LNDV	12		JDL2FASC	20	8
JDK2LNG	0		JDL2FLAG	20	
JDK2MOD	5		JDL2FLEA	20	2
JDK2NSDV	15		JDL2FLOG	20	4
JDK2REST	18		JDL2FSHR	20	40
JDK2SIZE	1A	1C	JDL2FSPH	20	20
JDK2SOCK	0		JDL2JR#	1D	
JDK2TYPE	4		JDL2JT#	1C	
JDLCINT	40		JDL2LINE	0	
JDLCSTA	44		JDL2LNG	0	
JDLCDEV8	9		JDL2MOD	5	
JDLCDEVT	8		JDL2NJEN	12	
JDLCDINT	3B	1	JDL2REST	1A	
JDLCDISC	3B		JDL2SIZE	21	24
JDLCDNO	3B	0	JDL2SR#	1F	
JDLCDQUI	3B	2	JDL2ST#	1E	
JDLCLFLG1	39		JDL2TYPE	4	
JDLCLFLG2	3A		JDL3BPS	8	
JDLCLINE	0		JDL3LINE	0	
JDLCLNG	0		JDL3LNG	0	
JDLCMBRN	26		JDL3MOD	5	
JDLCMOD	5		JDL3SIZE	8	C
JDLNAME	A		JDL3TYPE	4	
JDLCPBSC	38	1	JDMDAPCM	198	1
JDLCPROT	38		JDMDAPJ2	198	20
JDLCPSNA	38	2	JDMDCNCM	198	1
JDLCPTCP	38	3	JDMDCNJ2	198	20
JDLCRETR	3E		JDMDCNJ3	198	30
JDLCRINT	3C		JDMDCNPX	198	0
JDLCSECL	2E		JDMDJBCM	198	1
JDLCSIZE	44	4C	JDMDJRCM	198	1
JDLCSTAT	1C		JDMDJRJ2	198	20
JDLCSTA1	1C		JDMDJROF	198	21
JDLCSTA2	1D		JDMDJRPX	198	0
JDLCSYSN	1E		JDMDJTCM	198	1
JDLCTYPE	4		JDMDJTJ2	198	20
JDLUNIT	14		JDMDJTOF	198	22

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDMDJTPX	198	0	JDNC1TEX	38	10
JDMDJT2N	198	21	JDNC1TRB	38	40
JDMDLGCM	198	1	JDNHCONT	28	2C
JDMDLGJ2	198	20	JDNHCON8	28	
JDMDLGJ3	198	30	JDNHEYE	0	D1C4D5C8
JDMDLGPX	198	0	JDNHFHCN	A	80
JDMDLNCM	198	1	JDNHFICN	A	40
JDMDLNJ2	198	20	JDNHFLAG	A	
JDMDLNJ3	198	30	JDNHJPLX	10	14
JDMDLNPX	198	0	JDNHJPL8	10	
JDMDNJCM	198	1	JDNHNEXT	18	1C
JDMDNJPX	198	0	JDNHNEX8	18	
JDMDNSCM	198	1	JDNHNSRV	0	
JDMDNSJ2	198	20	JDNHOHDR	8	
JDMDNSJ3	198	30	JDNHPARN	20	24
JDMDNSPX	198	0	JDNHPAR8	20	
JDMDOFCM	198	1	JDNHSIZE	28	30
JDMDOFJ2	198	20	JDNIFACT	8	80
JDMDOFPX	198	0	JDNIFLAG	8	
JDMDOTCM	198	1	JDNIFPND	8	40
JDMDOTJ2	198	20	JDNINAME	0	
JDMDOTJ3	198	30	JDNINODE	0	
JDMDPPCM	198	1	JDNISIZE	8	9
JDMDPPFS	198	3	JDNRFHCN	10	80
JDMDPPFX	198	0	JDNRFICN	10	40
JDMDPPJ2	198	20	JDNRFLAG	10	
JDMDPPJ3	198	30	JDNRLNG	0	
JDMDPPRM	198	4	JDNRMOD	5	
JDMDPPWS	198	2	JDNRRNENT	A	
JDMDRDCM	198	1	JDNRRNODE	0	
JDMDRDIN	198	2	JDNROENT	8	
JDMDRDJ2	198	20	JDNRSENT	C	
JDMDRDJ3	198	30	JDNRSIZE	11	14
JDMDRDPX	198	0	JDNRTYPE	4	
JDMDRWBS	198	2	JDNR1ENT	E	
JDMDRWCM	198	1	JDN2DVID	8	
JDMDRWJ2	198	20	JDN2LNG	0	
JDMDRWXP	198	0	JDN2MOD	5	
JDMDRWSN	198	3	JDN2NSRV	0	
JDMDSKCM	198	1	JDN2SIZE	B	C
JDMDSKJ2	198	20	JDN2TYPE	4	
JDMDSRCM	198	1	JDN3DSPJ	8	
JDMDSRJ2	198	20	JDN3LNG	0	
JDMDSROF	198	21	JDN3MOD	5	
JDMDSRPX	198	0	JDN3NSRV	0	
JDMDSTCM	198	1	JDN3SIZE	8	10
JDMDSTJN	198	21	JDN3TYPE	4	
JDMDSTJ2	198	20	JDOCCSTA	38	
JDMDSTOF	198	22	JDOCDEVC	9	
JDMDSTPX	198	0	JDOCDEVT	8	
JDNCASID	3A		JDOCFLNG	0	
JDNC CSTA	54		JDOCMBRN	26	
JDNCDEVC	9		JDOCMOD	5	
JDNCDEVT	8		JDOCNAME	A	
JDNCFLG1	38		JDOCFLD	0	
JDNCLNG	0		JDOCSECL	2E	
JDNCMBRN	26		JDOCSIZE	38	40
JDNCMOD	5		JDOCSTAT	1C	
JDNCNAME	A		JDOCSTA1	1C	
JDNCNSRV	0		JDOCSTA2	1D	
JDNCNSVJ	48		JDOCSYSN	1E	
JDNCRETR	52		JDOCTYPE	4	
JDNCRINT	50		JDOCUNIT	14	
JDNCSECL	2E		JDOHDEV#	C	
JDNC SIZE	54	5C	JDOHDEV C	20	24
JDNC SKNM	14		JDOHDEV8	20	
JDNCSTAK	3C		JDOHEYE	0	D1C4D6C8
JDNCSTAT	1C		JDOHJPLX	10	14
JDNCSTA1	1C		JDOHJPL8	10	
JDNCSTA2	1D		JDOHNEXT	18	1C
JDNC SYSN	1E		JDOHNEX8	18	
JDNCTYPE	4		JDOHOFLD	0	
JDNC1AUT	38	80	JDOHOHDR	8	
JDNC1TCM	38	20	JDOHSIZE	20	28

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDO2DSN	E		JDPC2SP2	39	2
JDO2DVID	3D		JDPC2SP3	39	3
JDO2FLG1	3A		JDPC2VUC	39	80
JDO2FLG2	3B		JDPC3CKP	4C	80
JDO2LNG	0		JDPC3CKR	4C	40
JDO2MOD	5		JDPC3CKS	4C	20
JDO2NRUN	8		JDPC3SUP	4C	10
JDO2NRVL	A		JDPFCCON	23	1
JDO2OFLD	0		JDPFCDFD	23	0
JDO2RETD	C		JDPFCDS	23	2
JDO2SIZE	3D	40	JDPFCJOB	23	3
JDO2TAL	3C	40	JDPFCNON	23	4
JDO2TAUL	3C	48	JDPFCPMK	23	
JDO2TBLP	3C	10	JDPFCSEC	24	
JDO2TLAB	3C		JDPFDEVN	18	
JDO2TNL	3C	1	JDPFFLAG	22	
JDO2TNSL	3C	4	JDPFFPRS	22	40
JDO2TSL	3C	2	JDPFFTRC	22	80
JDO2TSUL	3C	A	JDPFLNG	0	
JDO2TYPE	4		JDPFMOD	5	
JDO21RCV	3A	40	JDPFNPRO	20	
JDO21XMT	3A	80	JDPFPROC	10	
JDO22ARC	3B	80	JDPFPRT	0	
JDO22CRT	3B	40	JDPFSSIZE	2E	30
JDO22SAF	3B	20	JDPFSSNM	8	
JDO22TRC	3B	10	JDPFSSYS	26	
JDO22VAL	3B	8	JDPFTYPE	4	
JDPCCHR#	58		JDPHEYE	0	D1C4D7C8
JDPCCHRL	5A		JDPHJPLX	10	14
JDPCCHRO	56		JDPHJPL8	10	
JDPCCKML	3A		JDPHNEXT	18	1C
JDPCCKPG	3C		JDPHNEX8	18	
JDPCCSTA	4E		JDPHOHDR	8	
JDPCDEVV	9		JDPHPARN	20	24
JDPCDEVT	8		JDPHPR8	20	
JDPCDFCB	3E		JDPHPRPU	0	
JDPCFLID	44		JDPHSIZE	20	28
JDPCFLNG	0		JDPRCMTPT	8	
JDPCMBRN	26		JDPRDEVT	16	
JDPCMOD	5		JDPRFASI	1E	80
JDPCMODF	48		JDPRFCMP	1E	20
JDPCMOD1	38		JDPRFCMT	1E	40
JDPCMOD2	39		JDPRFCTL	1E	4
JDPCMOD3	4C		JDPRFFCB	1E	10
JDPCNAME	A		JDPRFLAG	1E	
JDPCNEWP	42		JDPRFSSP	1E	8
JDPCNPAL	42	2	JDPRLNG	0	
JDPCNPDF	42	0	JDPRMOD	5	
JDPCNP1	42	1	JDPRPRT	0	
JDPCPRPU	0		JDPRRECS	10	
JDPCSECL	2E		JDPRSIZE	1F	20
JDPCSIZE	5A	5C	JDPRTYPE	4	
JDPCSTAT	1C		JDPRWDTH	14	
JDPCSTA1	1C		JDPWCLS#	34	
JDPCSTA2	1D		JDPWCLSL	36	
JDPCSYSN	1E		JDPWCLSO	32	
JDPCTDEF	43	3	JDPWDST#	46	
JDPCTNO	43	2	JDPWDSTL	48	
JDPCTRNS	43		JDPWDSTO	44	
JDPCTYES	43	1	JDPWEWSL	50	
JDPCTYPE	4		JDPWEWSO	4E	
JDPCUNIT	14		JDPWFBN	10	
JDPC1DSS	38	8	JDPWFLG1	1E	
JDPC1EDG	38	40	JDPWFLSH	14	
JDPC1FSS	38	80	JDPWFRM#	3A	
JDPC1GPS	38	4	JDPWFRML	3C	
JDPC1HTR	38	20	JDPWFRMO	38	
JDPC1PAU	38	10	JDPWLNG	0	
JDPC1TRC	38	2	JDPWMOD	5	
JDPC1TRK	38	1	JDPWOWNN	8	
JDPC2FLU	39	10	JDPWPLGH	2C	
JDPC2NIP	39	20	JDPWPGLL	28	
JDPC2SCH	39	40	JDPWPRC#	40	
JDPC2SP1	39	1	JDPWPRCL	42	

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDPWPRCO	3E		JDRCCNAME	A	
JDPWPWSL	4C		JDRCPRC#	40	
JDPWPWSO	4A		JDRCRDR	0	
JDPWRCLH	24		JDRCSECL	2E	
JDPWRCLL	20		JDRCSIZE	54	5C
JDPWRKSL	0		JDRCSTAT	1C	
JDPWSIZE	52	54	JDRCSTA1	1C	
JDPWTYPE	4		JDRCSTA2	1D	
JDPWUCS#	1A		JDRCSYSN	1E	
JDPWUCSL	1C		JDRCTJB#	38	
JDPWUCSO	18		JDRCTRC#	3C	
JDPW1BRS	1E	80	JDRCTYPE	4	
JDP2DVID	9		JDRCUNIT	14	
JDP2FLAG	8		JDRHEYE	0	D1C4D9C8
JDP2FSEP	8	80	JDRHJPLX	10	14
JDP2LNG	0		JDRHJPL8	10	
JDP2MOD	5		JDRHNEXT	18	1C
JDP2PRPU	0		JDRHNEX8	18	
JDP2SFJR	C	40	JDRHOHDR	8	
JDP2SFST	C	20	JDRHPARN	20	24
JDP2SFST	C	10	JDRHPAR8	20	
JDP2SIZE	32	34	JDRHRDR	0	
JDP2TYPE	4		JDRHSIZE	20	28
JDP2WFLG	C		JDRIASID	20	
JDP2WJBN	10		JDRIJOBI	10	
JDP2WJIH	1C		JDRIJOBN	8	
JDP2WJIL	18		JDRILNG	0	
JDP2WRC#	30		JDRIMOD	5	
JDP2WRCL	32		JDRIOWNN	18	
JDP2WRCO	2E		JDRIRDR	0	
JDP2WRTN	20		JDRISIZE	22	24
JDP2WVL#	2A		JDRITYPE	4	
JDP2WVLL	2C		JDR2DVID	37	
JDP2WVLO	28		JDR2FANY	36	4
JDP3CB	26		JDR2FDVA	36	40
JDP3CBD	26	1	JDR2FHLD	36	80
JDP3CBJ	26	2	JDR2FIND	36	2
JDP3CBN	26	3	JDR2FJBA	36	20
JDP3CGS	25		JDR2FLAG	36	
JDP3CGS1	25	1	JDR2FSYA	36	10
JDP3CGS2	25	2	JDR2FTRC	36	8
JDP3CKRC	22		JDR2LNG	0	
JDP3DEVT	10		JDR2MBR#	3E	
JDP3DSPJ	18		JDR2MBRL	40	
JDP3FLG1	21		JDR2MBRO	3C	
JDP3GRPN	8		JDR2MOD	5	
JDP3HBUR	20	2	JDR2NODE	2C	
JDP3HCHR	20	40	JDR2PRDS	8	
JDP3HFCB	20	80	JDR2PTIN	35	
JDP3HFLG	20		JDR2PTLM	34	
JDP3HFLS	20	8	JDR2PUDS	1A	
JDP3HFRM	20	4	JDR2RDR	0	
JDP3HMOD	20	10	JDR2SIZE	42	44
JDP3HUCS	20	20	JDR2TYPE	4	
JDP3LNG	0		JDR3ALVL	23	
JDP3MOD	5		JDR3DEVT	10	
JDP3PRPU	0		JDR3DPTY	21	
JDP3SIZE	27	28	JDR3DSPJ	18	
JDP3TRC	24		JDR3FABV	20	20
JDP3TYPE	4		JDR3FACT	20	80
JDP31BPG	21	20	JDR3FBLP	20	10
JDP31DGY	21	10	JDR3FLAG	20	
JDP31DYN	21	80	JDR3FPGM	20	40
JDP31OLG	21	40	JDR3GRPN	8	
JDP31PDC	21	8	JDR3JLVL	22	
JDP31PDF	21	4	JDR3LNG	0	
JDRCCSTA	54		JDR3MOD	5	
JDRCDEVC	9		JDR3RDR	0	
JDRCDEVT	8		JDR3REGL	28	
JDRCDFJC	44		JDR3SIZE	28	2C
JDRCDFMC	4C		JDR3TIML	24	
JDRCLNG	0		JDR3TYPE	4	
JDRCMBRN	26		JDSCCSTA	38	
JDRCMOD	5		JDSCDEVC	9	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDSCDEVT	8		JDSOWCRT	58	
JDSCLNG	0		JDSOWDS#	98	
JDSCMBRN	26		JDSOWDSL	9A	
JDSCMOD	5		JDSOWDSO	96	
JDSCNAME	A		JDSOWFCB	50	
JDSCSECL	2E		JDSOWFLH	54	
JDSCSIZE	38	40	JDSOWFM#	8C	
JDSCSRCV	0		JDSOWFML	8E	
JDSCSTAT	1C		JDSOWFMO	8A	
JDSCSTA1	1C		JDSOWJBN	60	
JDSCSTA2	1D		JDSOWJIH	6C	
JDSCSYSN	1E		JDSOWJIL	68	
JDSCTYPE	4		JDSOWPM#	92	
JDSGAVL	18		JDSOWPML	94	
JDSGDATA	20		JDSOWPMO	90	
JDSGEYE	0	D1C4E2C7	JDSOWRC#	9E	
JDSGNEXT	10		JDSOWRCL	A0	
JDSGSIZE	20	20	JDSOWRCO	9C	
JDSGSTHL	8		JDSOWSCL	A6	
JDSGSTPL	A	E6	JDSOWSCO	A4	
JDSGSTRG	0		JDSOWSEL	AA	
JDSGSTSP	A		JDSOWSEO	A8	
JDSGSTTL	C		JDSOWUCS	70	
JDSHEYE	0	D1C4E2C8	JDSOWWTR	78	
JDSHJPLX	10	14	JDSO1NFY	8	80
JDSHJPL8	10		JDSO1STR	8	40
JDSHNEXT	18	1C	JDSO2BRN	4E	40
JDSHNEX8	18		JDSO2BRS	4E	80
JDSHOHDR	8		JDSO2HLD	4E	20
JDSHPARN	20	24	JDSO2ODH	4E	8
JDSHPAR8	20		JDSO2ODK	4E	4
JDSHSIZE	20	28	JDSO2ODL	4E	2
JDSHSRCV	0		JDSO2ODW	4E	1
JDSIEYE	0	D1C4E2C9	JDSO2RLS	4E	10
JDSIHDR	0		JDSO3BNS	80	2
JDSINEXT	10	14	JDSO3BRS	80	80
JDSINEX8	10		JDSO3HLD	80	40
JDSIOHDR	8	18	JDSO3HNS	80	1
JDSISIZE	10	18	JDSO3ODH	80	20
JDSKFLAG	40		JDSO3ODK	80	10
JDSKF SRV	40	40	JDSO3ODL	80	8
JDSKFTLS	40	80	JDSO3ODW	80	4
JDSKIADR	14		JDSO4JOB	81	80
JDSKIHL	12		JDSO4STC	81	40
JDSKIHNO	10		JDSO4TSU	81	20
JDSKLN	0		JDST1ACO	198	4
JDSKMOD	5		JDST1ACT	198	80
JDSKNAME	8		JDST1DRG	198	10
JDSKNSRV	36		JDST1DRN	198	8
JDSKSIZE	41	44	JDST1INA	198	40
JDSKSOCK	0		JDST2END	198	1
JDSKTPNM	24		JDST2HTD	198	20
JDSKTPNR	34		JDST2HTG	198	8
JDSKTYPE	4		JDST2INT	198	4
JDSOFLG1	8		JDST2NRS	198	2
JDSOFLG2	4E		JDST2PAU	198	10
JDSOFLG3	80		JDST2STE	198	80
JDSOFLG4	81		JDST2STG	198	40
JDSOLNG	0		JDS2DVID	8	
JDSOMCLS	24		JDS2LNG	0	
JDSOMDST	2C		JDS2MOD	5	
JDSOMFCB	C		JDS2SIZE	B	C
JDSOMFLH	10		JDS2SRCV	0	
JDSOMFRM	14		JDS2TYPE	4	
JDSOMOD	5		JDTYACLU	198	11
JDSOMPRM	1C		JDTYACSK	198	12
JDSOMUCS	3E		JDTYAPPL	198	E
JDSOMWTR	46		JDTYCONS	198	1
JDSOSIZE	AA	AC	JDTYJBRC	198	8
JDSOSRCV	0		JDTYJBXM	198	A
JDSOTYPE	4		JDTYJOB1	198	13
JDSOWCL#	86		JDTYJRSV	198	FF
JDSOWCLL	88		JDTYLINE	198	4
JDSOWCLO	84		JDTYLOGN	198	2

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDTYNJEC	198	C	JDWCDEVT	22	
JDTYNRSRV	198	3	JDWCDCSCI	3A	
JDTYOFLD	198	7	JDWCFCMP	2D	80
JDTYOUTI	198	14	JDWCFCONS	2D	40
JDTYPRPU	198	5	JDWCFLAG	2D	
JDTYRDR	198	6	JDWCFMSG	2D	20
JDTYRMTW	198	D	JDWCFPWD	2D	10
JDTYRNOD	198	10	JDWCLINE	2E	
JDTYSOCK	198	F	JDWCLNG	0	
JDTYSYRC	198	9	JDWCMBRN	1A	
JDTYSYXM	198	B	JDWCMOD	5	
JDUTDEST	44		JDWCNAME	8	
JDUTFCB	3C		JDWCPBSC	2C	1
JDUTFLG1	57		JDWCPROT	2C	
JDUTFLSH	38		JDWCPRT#	41	
JDUTFORM	10		JDWCPSNA	2C	2
JDUTINFO	0		JDWCPUN#	42	
JDUTLNG	0		JDWCRDR#	43	
JDUTMOD	5		JDWCRMTW	0	
JDUTOUTC	8		JDWCRTC	3C	
JDUTPPG#	5C		JDWCSTZ	44	4C
JDUTPRC#	64		JDWCSTAT	2A	
JDUTPRIO	56		JDWCSTA1	2A	
JDUTPRMD	18		JDWCSTA2	2B	
JDUTSIZE	64	68	JDWCYSN	12	
JDUTTJBN	28		JDWCTYPE	4	
JDUTTPG#	58		JDWCWTIM	40	
JDUTTRC#	60		JDWHDEV#	C	
JDUTTWKI	30		JDWHDEVC	20	24
JDUTTYPE	4		JDWHDEV8	20	
JDUTUCS	40		JDWHEYE	0	D1C4E6C8
JDUTWRTN	20		JDWHJPLX	10	14
JDUT1BRS	57	80	JDWHJPL8	10	
JDU2DEST	1C		JDWHNEXT	18	1C
JDU2IMQT	14		JDWHNEX8	18	
JDU2INFO	0		JDWHOHDR	8	
JDU2JOEN	8		JDWHRMTW	0	
JDU2JOE1	10		JDWHSIZE	20	28
JDU2JOE2	12		JDWNFCMP	1A	40
JDU2JOID	8		JDWNFLAG	1A	
JDU2LNG	0		JDWNFLGN	1A	80
JDU2MOD	5		JDWNFMSG	1A	20
JDU2NDE	1C		JDWNLNG	0	
JDU2RTE	1E		JDWNLOGN	10	
JDU2SIZE	20	28	JDWNLUNM	8	
JDU2TYPE	4		JDWNMOD	5	
JDU2USER	20		JDWNSIZE	1B	1C
JDU3COPY	8		JDWNSNA	0	
JDU3INFO	0		JDWNTYPE	4	
JDU3LNG	0		JDWSBRST	198	21
JDU3MOD	5		JDWSCHRS	198	31
JDU3SIZE	9	10	JDWSCLAS	198	1
JDU3TYPE	4		JDWSCPID	198	32
JDWBFLG1	8		JDWSCRTN	198	2
JDWBFLG2	9		JDWSDEVT	198	33
JDWBFLNG	0		JDWSFCBN	198	3
JDWBMOD	5		JDWSFLID	198	4
JDWBSC	0		JDWSFORM	198	5
JDWBSSIZE	A	C	JDWSHLDI	198	22
JDWBTYPE	4		JDWSJBID	198	6
JDWB1BEX	8	80	JDWSJBLM	198	23
JDWB1BLK	8	20	JDWSJBNM	198	7
JDWB1BXA	8	40	JDWSMBAF	198	24
JDWB1HTB	8	10	JDWSOPTY	198	8
JDWB1MFJ	8	8	JDWSOUTD	198	25
JDWB1MFT	8	4	JDWSPRMD	198	9
JDWB1MLV	8	1	JDWSRCJ2	198	26
JDWB1MRF	8	2	JDWSRCJ3	198	34
JDWB2SHR	9	20	JDWSSCHE	198	27
JDWB2TPY	9	40	JDWSSLSH	198	28
JDWB2VAR	9	80	JDWSSOSP	198	29
JDWCBUFS	38		JDWSSOSR	198	2A
JDWCCRTC	3E		JDWSSRVC	198	2B
JDWCCSTA	44		JDWSSTAK	198	35

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDWSSVAF	198	2C	JDXOWMBL	5E	
JDWSUCSN	198	A	JDXOWMBO	5A	
JDWSUSRD	198	2D	JDXOWOWN	C	
JDWSWRTN	198	2E	JDXOWRC#	56	
JDW2FLAG	8		JDXOWRCL	58	
JDW2F150	8	80	JDXOWRCO	54	
JDW2F190	8	40	JDXOWRLS	44	40
JDW2LNG	0		JDXOWSCH	24	
JDW2MOD	5		JDXOWSCL	6A	
JDW2RMTW	0		JDXOWSCO	68	
JDW2SIZE	9	C	JDXOWSEL	6E	
JDW2TYPE	4		JDXOWSEO	6C	
JDXCCSTA	38		JDXOWSTC	44	8
JDXCDEV	9		JDXOWSVN	1C	
JDXCDEVT	8		JDXOWTSU	44	4
JDXCJXMT	0		JDXOWVL#	62	
JDXCLNG	0		JDXOWVLL	64	
JDXCMBRN	26		JDXOWVLO	60	
JDXCMOD	5		JDXO1NFY	8	80
JDXCNAME	A		JDXO1STR	8	40
JDXCSECL	2E		JDX2DVID	8	
JDXCSIZE	38	40	JDX2JXMT	0	
JDXCSTAT	1C		JDX2LNG	0	
JDXCSTA1	1C		JDX2MOD	5	
JDXCSTA2	1D		JDX2SIZE	B	C
JDXCSYSN	1E		JDX2TYPE	4	
JDXCTYPE	4		JDYCCSTA	38	
JDXHEYE	0	D1C4E7C8	JDYCDEV	9	
JDXHJPLX	10	14	JDYCDEVT	8	
JDXHJPL8	10		JDYCLNG	0	
JDXHJXMT	0		JDYCMBRN	26	
JDXHNEXT	18	1C	JDYCMOD	5	
JDXHNEX8	18		JDYCNAME	A	
JDXHOHDR	8		JDYCSECL	2E	
JDXHPARN	20	24	JDYCSIZE	38	40
JDXHPAR8	20		JDYCSTAT	1C	
JDXHSIZE	20	28	JDYCSTA1	1C	
JDXNJXMT	0		JDYCSTA2	1D	
JDXNLNG	0		JDYCSXMT	0	
JDXNMOD	5		JDYCSYSN	1E	
JDXNSIZE	16	18	JDYCTYPE	4	
JDXNTYPE	4		JDYHEYE	0	D1C4E8C8
JDXNWJSH	C		JDYHJPLX	10	14
JDXNWJSL	8		JDYHJPL8	10	
JDXNWVCL	12		JDYHNEXT	18	1C
JDXNWSCO	10		JDYHNEX8	18	
JDXNWSEL	16		JDYHOHDR	8	
JDXNWSEO	14		JDYHPARN	20	24
JDXODDEL	9	1	JDYHPAR8	20	
JDXODHLD	9	2	JDYHSIZE	20	28
JDXODISP	9		JDYHSXMT	0	
JDXODKP	9	3	JDYNFLAG	18	
JDXOFANY	44	20	JDYNFODH	18	80
JDXOFLG1	8		JDYNFODK	18	40
JDXOJXMT	0		JDYNFODL	18	20
JDXOLNG	0		JDYNFODW	18	10
JDXOMOD	5		JDYNLNG	0	
JDXOSIZE	6E	70	JDYNMOD	5	
JDXOTYPE	4		JDYNVSIZE	22	24
JDXOWCL#	4A		JDYNVXMT	0	
JDXOWCLL	4C		JDYNVTYPE	4	
JDXOWCLO	48		JDYNWDSH	C	
JDXOWDS#	50		JDYNWDSL	8	
JDXOWDSL	52		JDYNWPLH	14	
JDXOWDSO	4E		JDYNWPLL	10	
JDXOWFLG	44		JDYNWSCL	1E	
JDXOWHLD	44	80	JDYNWSCO	1C	
JDXOWJBN	14		JDYNWSEL	22	
JDXOWJIH	38		JDYNWSEO	20	
JDXOWJIL	34		JDYODDEL	9	1
JDXOWJOB	44	10	JDYODHLD	9	2
JDXOWJSH	40		JDYODISP	9	
JDXOWJSL	3C		JDYODKP	9	3
JDXOWMB#	5C		JDYOFLG1	8	

IAZSSJD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
JDYOLNG	0		SSJDERRJ	0	C
JDYOMOD	5		SSJDERRU	0	8
JDYOSIZE	7D	80	SSJDERRW	0	4
JDYOSXMT	0		SSJDEYE	0	E2E2D1C4
JDYOTYPE	4		SSJDEYEE	0	1C
JDYOWBNS	4D	2	SSJDFDRM	11	40
JDYOWBRS	4D	80	SSJDFLIN	11	80
JDYOWCL#	50		SSJDFLTZ	24	0
JDYOWCLL	52		SSJDFLT1	18	0
JDYOWCLO	4E		SSJDFLT2	19	0
JDYOWDHL	28		SSJDFLT3	1B	0
JDYOWDLL	24		SSJDFLT4	1C	0
JDYOWDS#	62		SSJDFLT5	1E	0
JDYOWDSL	64		SSJDFLT6	20	0
JDYOWDSO	60		SSJDFLT7	21	0
JDYOWFCB	C		SSJDFLT8	22	0
JDYOWFLG	4D		SSJDFLT9	23	0
JDYOWFLH	10		SSJDFOPT	11	0
JDYOWFL2	7C		SSJDFREQ	E	
JDYOWFM#	56		SSJDFTRE	0	4
JDYOWFML	58		SSJDGLBL	0	88
JDYOWFMO	54		SSJDIFCP	120	124
JDYOWHLD	4D	40	SSJDIFC8	120	
JDYOWHNS	4D	1	SSJDINTE	0	18
JDYOWJBN	1C		SSJDINVL	0	90
JDYOWJIH	38		SSJDJDV#	148	0
JDYOWJIL	34		SSJDLCL#	138	0
JDYOWODH	4D	20	SSJDLCLP	100	104
JDYOWODK	4D	10	SSJDLCL8	100	
JDYOWODL	4D	8	SSJDLEN8	198	1E0
JDYOWODW	4D	4	SSJDLIMIT	14	0
JDYOWOWN	14		SSJDLIN#	158	0
JDYOWPLH	30		SSJDLINP	128	12C
JDYOWPLL	2C		SSJDLIN8	128	
JDYOWPM#	5C		SSJDLMTR	0	14
JDYOWPML	5E		SSJDLNG	8	
JDYOWPMO	5A		SSJDLNNM	5C	40404040
JDYOWPTY	4C		SSJDMBRN	54	40404040
JDYOWRC#	68		SSJDMOD	A	B
JDYOWRCL	6A		SSJDMOD0	A	0
JDYOWRCO	66		SSJDNDV#	15C	0
JDYOWSCL	76		SSJDNJE#	144	0
JDYOWSCO	74		SSJDNJEP	110	114
JDYOWSEL	7A		SSJDNJE8	110	
JDYOWSEO	78		SSJDOBTD	E	4
JDYOWUCS	3C		SSJDODV#	150	0
JDYOWVL#	6E		SSJDOFL#	14C	0
JDYOWVLL	70		SSJDOFLP	118	11C
JDYOWVLO	6C		SSJDOFL8	118	
JDYOWWTR	44		SSJDOK	0	0
JDYO1NFY	8	80	SSJDPARM	0	10
JDYO1STR	8	40	SSJDPDMC	F	1
JDYO2JOB	7C	80	SSJDPD64	F	2
JDYO2STC	7C	40	SSJDPLMT	F	10
JDYO2TSU	7C	20	SSJDPOPT	F	0
JDY2DVID	8		SSJDPOP2	10	0
JDY2LNG	0		SSJDPOST	0	8C
JDY2MOD	5		SSJDPRLS	F	8
JDY2SIZE	B	C	SSJDPRND	F	20
JDY2SXMT	0		SSJDPNST	F	4
JDY2TYPE	4		SSJDPSCK	F	40
SSJD	0		SSJDPSES	F	80
SSJDACRT	CA	40404040	SSJDP2AD	10	80
SSJDADJN	70	40404040	SSJDP2NF	10	40
SSJDAJOB	C2	40404040	SSJDP2SD	10	20
SSJDAPNM	78	40404040	SSJDRDV#	140	0
SSJDDGN#	48	0	SSJDRETN	FC	0
SSJDDGNA	44		SSJDRMT#	13C	0
SSJDDGNM	3C	40404040	SSJDRMTP	108	10C
SSJDDST#	D8	0	SSJDRMT8	108	
SSJDDSTA	D4		SSJDRSTG	E	8
SSJDDVN#	38	0	SSJDRWIL	0	98
SSJDDVNA	34		SSJDRWNM	66	40404040
SSJDDVNM	2A	40404040	SSJDSIN#	160	0

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSJDSINP	130	134	SSJD5RMT	1E	40
SSJDSIN8	130		SSJD6DGN	20	40
SSJDSIZE	198	1C0	SSJD6LIN	20	8
SSJDSKNM	80	40404040	SSJD6MBR	20	10
SSJDSMAP	0	80	SSJD6NAM	20	80
SSJDSMDO	C	0	SSJD6SYS	20	20
SSJDSMLE	0	24	SSJD7NJA	21	20
SSJDSMOD	C	D	SSJD7NJB	21	8
SSJDSPTTE	0	8	SSJD7NJK	21	10
SSJDSRV#	154	0	SSJD7NJJN	21	40
SSJDSTGO	0	84	SSJD7NJS	21	4
SSJDSTOR	0	14	SSJD7NJT	21	2
SSJDSTRE	0	C	SSJD7RWN	21	80
SSJDSTRP	170		SSJD8FSS	22	40
SSJDSUBF	0	10	SSJD8JES	22	80
SSJDSVER	C	C	SSJD9CLS	23	80
SSJDSVMC	C	100	SSJD9DST	23	10
SSJDSVM1	C	100	SSJD9FRM	23	40
SSJDSVRM	C		SSJD9JBN	23	20
SSJDSVR1	C	1	SSJD9PRM	23	4
SSJDSYSN	4C	40404040	SSJD9WRT	23	8
SSJDSZE1	198	1C0	SSOBSSJD	0	53
SSJDTOKN	178	0			
SSJDUNSD	0	20			
SSJDVER	A	A			
SSJDVER1	A	1			
SSJDVRM	A				
SSJDVRMC	A	100			
SSJDVRM1	A	100			
SSJDWSCL	88	40404040			
SSJDWSDS	A0	40404040			
SSJDWSFM	90	40404040			
SSJDWSJN	98	40404040			
SSJDWSPR	BA	40404040			
SSJDWSWR	B2	40404040			
SSJDZCRT	24	40			
SSJDZJOB	24	80			
SSJDZOMO	13	5C			
SSJD1ACT	18	80			
SSJD1CHR	12	6F			
SSJD1DRG	18	10			
SSJD1DRN	18	8			
SSJD1HOT	18	20			
SSJD1INA	18	40			
SSJD1NRM	18	E0			
SSJD2END	19	1			
SSJD2HTD	19	20			
SSJD2HTG	19	8			
SSJD2INT	19	4			
SSJD2NRS	19	2			
SSJD2PAU	19	10			
SSJD2PRB	19	3C			
SSJD2STE	19	80			
SSJD2STG	19	40			
SSJD3CON	1B	10			
SSJD3JRC	1B	4			
SSJD3JXM	1B	8			
SSJD3PRT	1B	80			
SSJD3PUN	1B	40			
SSJD3RCV	1B	5			
SSJD3RDR	1B	20			
SSJD3SRC	1B	1			
SSJD3SXM	1B	2			
SSJD3XMT	1B	A			
SSJD4LGN	1C	40			
SSJD4LIN	1C	80			
SSJD4NJE	1C	8			
SSJD4NSV	1C	20			
SSJD4OFL	1C	10			
SSJD5IFC	1E	8			
SSJD5INT	1E	4			
SSJD5LCL	1E	80			
SSJD5NJE	1E	10			
SSJD5OFL	1E	20			

IAZSSJP Information

IAZSSJP Programming Interface information

Programming Interface information

IAZSSJP

End of Programming Interface information

IAZSSJP Heading Information • IAZSSJP Map

IAZSSJP Heading Information

Common Name: SSOB Extension for the JES Property Information Service (SSI 82)
Macro ID: IAZSSJP
DSECT Name: SSJP
Owning Component: JES Common (SC141)
Eye-Catcher ID: SSJP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: caller
 Key: Any
 Residency: Any
Size: See SSJPSIZE equate
Created by: Caller of SSI function 'SSOBSSJP' = 82
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used by application programs to request JES Property Service from JES.

IAZSSJP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'52'	0	SSOBSSJP	"82" JES Property information service id
0	(0)	DBL WORD	8	SSJP (0)	SSOB extension mapping - SSJP
Comment					

Return code values for SSOBRETN					

End of Comment					
0	(0)	X'0'	0	SSJPOK	"0" Request successful
0	(0)	X'4'	0	SSJPERRW	"4" Request completed with possible errors, see SSJPRETN for reason code
0	(0)	X'8'	0	SSJPERRU	"8" Request cannot be completed due to user error, see SSJPRETN for reason code
0	(0)	X'C'	0	SSJPERRJ	"12" Request cannot be completed due to an internal (JES) error, SSJPRETN contains internal JES reason code
0	(0)	X'10'	0	SSJPPARM	"16" The parameter list, ie the SSJP extension, is an invalid format - it is not an SSJP, the service version number is not supported, or the SSJP is not large enough
0	(0)	X'14'	0	SSJPSTOR	"20" Request cannot be processed because required storage cannot be obtained. No data can be returned to the caller
0	(0)	X'0'	0	SSJPBGN	***
0	(0)	CHARACTER	4	SSJPID	Extension identifier
4	(4)	ADDRESS	2	SSJPLEN	Length of SSOB extension area
6	(6)	SIGNED	2	SSJPVER	I.Version number of SSOB
6	(6)	BITSTRING	0	SSJPVER1	"X'0100" z/OS 1.11 version (initial)
6	(6)	BITSTRING	0	SSJPVERC	"X'0100" Current version number (z/OS 1.11)
8	(8)	BITSTRING	1	SSJPFREQ	I.Function request byte
8	(8)	X'4'	0	SSJPNJOD	"4" NJE node info obtain
8	(8)	X'8'	0	SSJPNJRS	"8" NJE node storage return
8	(8)	X'C'	0	SSJPSPOD	"12" Spool info obtain
8	(8)	X'10'	0	SSJPSPRS	"16" Spool storage return
8	(8)	X'14'	0	SSJPITOD	"20" Initiator info obtain
8	(8)	X'18'	0	SSJPITRS	"24" Initiator storage return
8	(8)	X'1C'	0	SSJPJXOD	"28" JESPLEX info obtain
8	(8)	X'20'	0	SSJPJXRS	"32" JESPLEX storage return
8	(8)	X'24'	0	SSJPJCOD	"36" Job class info obtain
8	(8)	X'28'	0	SSJPJCRS	"40" Job class storage return
9	(9)	BITSTRING	3	SSJPRSV1	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>SSJPRETN provides additional information for some values of SSOBRETN. The meaning of the return codes is based on the value in SSOBRETN and the function being requested (SSJPFREQ).</p> <p>Values of SSJPRETN from 0-124 (x'7C') are reserved for the SSI router and problems it detects.</p> <p>Values of SSJPRETN from 128-252 ('FC') are reserved as COMMON reason codes for problems detected by the sub functions.</p> <p>Values of 256 (x'100') and above are SHARED by the sub functions.</p> <p>Additional SSJPRETN values can be found in the following data areas (based on function code):</p> <p style="text-align: center;">Related</p> <p>Function code data area Description</p> <p>-----</p> <p>SSJPNJOD (4) IAZJPNJN NJE node info obtain SSJPNJRS (8) IAZJPNJN NJE node storage return SSJPSPOD (12) IAZJPSPL Spool info obtain SSJPSPRS (16) IAZJPSPL Spool storage return SSJPITOD (20) IAZJPITD Initiator info obtain SSJPITRS (24) IAZJPITD Initiator storage return SSJJPXOD (28) IAZJPLEX JESPLEX info obtain SSJJPXRS (32) IAZJPLEX JESPLEX storage return SSJJPJCOD (36) IAZJPCLS Job class info obtain SSJJPJCRS (40) IAZJPCLS Job class storage return</p>					
End of Comment					
12	(C)	SIGNED	4	SSJPRETN	O.Reason code for error return code
Comment					
<p>-----</p> <p>Values of SSJPRETN when SSOBRETN is SSJPERRU (8) for all functions (values of SSJPFREQ)</p> <p>-----</p>					
End of Comment					
12	(C)	X'4'	0	SSJPUNSF	"4" Function code passed in SSJPFREQ is not supported
12	(C)	X'8'	0	SSJPNTDS	"8" SSJUSER pointer is zero
12	(C)	X'C'	0	SSJPUNSD	"12" SSJUSER CB version number is not correct
12	(C)	X'10'	0	SSJPSMLE	"16" SSJUSER CB length is too small
12	(C)	X'14'	0	SSJPEYEE	"20" SSJUSER CB eyecatcher is not correct
12	(C)	X'88'	0	SSJPINVA	"136" Invalid filter arguments.
12	(C)	X'8C'	0	SSJPGLBL	"140" Function not supported on global (JES3)
12	(C)	X'90'	0	SSJPSMAP	"144" Error with storage addressed by storage management anchor pointer - e.g. not key 1, fetch protected, incorrect eyecatcher
Comment					
<p>-----</p> <p>Values of SSJPRETN when SSOBRETN is SSJPSTOR (20) for all functions (values of SSJPFREQ)</p> <p>-----</p>					
End of Comment					
12	(C)	X'80'	0	SSJPGETM	"128" \$GETMAIN failed
12	(C)	X'84'	0	SSJPSSTGO	"132" STORAGE OBTAIN failed
Comment					
<p>This SSI function is a router for various JES requests. Each function has a related data area that must be pointed to by SSJUSER. The mapping of the data area depends on the function code in SSJPFREQ.</p> <p>The list of valid functions and related data areas is listed above</p>					
End of Comment					

IAZSSJP Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
16	(10)	ADDRESS	4	SSJPUSER	I.Pointer to user parameter area
20	(14)	SIGNED	4	(2)	Reserved
32	(20)	DBL WORD	8	(0)	Align for length
32	(20)	X'20'	0	SSJPSIZ1	"*-SSJPBGN" Version 1 SSOB extension size
32	(20)	X'20'	0	SSJPSIZE	"*-SSJPBGN" Current SSOB extension length
32	(20)	X'40'	0	SSJPLEN8	"((SSOBHSIZ+7)/8)*8+SSJPSIZE" Total length of SSOB with SSOB extension

IAZSSJP Cross Reference

Name	Hex Offset	Hex Value
SSJP	0	
SSJPBGN	0	0
SSJPERRJ	0	C
SSJPERRU	0	8
SSJPERRW	0	4
SSJPEYEE	C	14
SSJPFREQ	8	
SSJPGETM	C	80
SSJPGLBL	C	8C
SSJPID	0	E2E2D1D7
SSJPINVA	C	88
SSJPITOD	8	14
SSJPITRS	8	18
SSJPCOD	8	24
SSJPCRS	8	28
SSJPXOD	8	1C
SSJPXRS	8	20
SSJPLEN	4	
SSJPLEN8	20	40
SSJPNJOD	8	4
SSJPNJRS	8	8
SSJPNTDS	C	8
SSJPOK	0	0
SSJPPARM	0	10
SSJPRETN	C	
SSJPRSV1	9	
SSJPSIZE	20	20
SSJPSIZ1	20	20
SSJPSMAP	C	90
SSJPSMLE	C	10
SSJPSPOD	8	C
SSJPSPRS	8	10
SSJPSTGO	C	84
SSJPSTOR	0	14
SSJPUNSD	C	C
SSJPUNSF	C	4
SSJPUSER	10	
SSJPVER	6	
SSJPVERC	6	100
SSJPVER1	6	100
SSOBSSJP	0	52

IAZYNCC Information

IAZYNCC Programming Interface information

Programming Interface information

IAZYNCC

End of Programming Interface information

IAZYNCC Heading Information • IAZYNCC Map

IAZYNCC Heading Information

Common Name: Network Connection Control Record
Macro ID: IAZYNCC
DSECT Name: NCC
Owning Component: JES COMMON (SC141)
Eye-Catcher ID: None
Storage Attributes: Subpool: n/a
 Key: n/a
 Residency: NCC records reside in various TP communication buffers (SNA, BSC, TCP/IP, and JESXCF).
Size: NCCIL for 'I' and 'J' type records
 NCCCL for 'K' and 'L' type records
 NCCCL2 for 'K' and 'L' type records (secure signon)
 NCCAL for 'M' and 'N' type records
Created by: JES2 and JES3
Pointed to by: n/a
Serialization: n/a
Function: NCC records reside in various TP communication buffers, and are used to communicate connectivity information between nodes and MAS members.

IAZYNCC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NCC	Network Connection Control
0	(0)	BITSTRING	3	NCCRID (0)	Record Identifier
		1111		NCCRCBF0	"X'F0" Record control byte value for NCC records
0	(0)	ADDRESS	1	NCCRCB	Record control byte
1	(1)	BITSTRING	1	NCCSRCB	Sub-record control byte
Comment					
Initial Signon Control Record					
Response Signon Control Record					
End of Comment					
1	(1)	X'C9'	0	NCCISRCB	"C'" Initial Signon character
1	(1)	X'D1'	0	NCCRSRCB	"C'J" Response Signon character
2	(2)	ADDRESS	1	NCCIDL	Length of logical record
3	(3)	CHARACTER	8	NCCINODE	Node identification
11	(B)	BITSTRING	1	NCCIQUAL	Qualifier if shared SPOOL
12	(C)	SIGNED	4	NCCIEVNT	Event sequence number
16	(10)	SIGNED	2	NCCIREST	Partial node to node resistance
18	(12)	SIGNED	2	NCCIBFSZ	Maximum transmission block size
20	(14)	CHARACTER	8	NCCILPAS	Line password
28	(1C)	CHARACTER	8	NCCINPAS	Node password
36	(24)	BITSTRING	1	NCCIFLG	Flag byte
		1...		NCCIFLGM	"B'10000000" Multiple trunk (set in response signon only)
		.1..		NCCIFLGS	"B'01000000" Secure signon protocol used (set in initial signon only)
37	(25)	BITSTRING	4	NCCIFEAT	Feature flags
		1...		NCCIPREP	"B'10000000" BSC/CTCA quiesce options
		.1..		NCCITRM	"B'01000000" SNA termination options
Comment					
EQU B'00100000' Reserved for future use					
End of Comment					
37	(25)	.... 1...	0	NCCIPACK	"B'00010000" Multiple header records/buffer allowed
		X'10'		NCCIMHDR	"NCCIPACK" (NCCIPACK is name in FAP)
		.... 1..		NCCIRIF	"B'00001000" Request to exchange records may be omitted after first object sent in a stream
		.... .1..		NCCIMRCB	"B'00000100" Mixed RCBs may be sent in a single buffer
Comment					
EQU B'00000010' Reserved for future use					
End of Comment					
		.... ...1		NCCISSIN	"B'00000001" This system supports spanned SYSIN data. The valid range for NDHCLREC is 0-32767 when this is used.
37	(25)	X'14'	0	NCCIPRAW	"NCCILPAS,L'NCCILPAS,C'X'" Random string
37	(25)	X'1C'	0	NCCIPENC	"NCCINPAS,L'NCCINPAS,C'X'" Encrypted random string
37	(25)	X'29'	0	NCCIL	"*-NCCRCB" Length of Initial/Response signon

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
41	(29)	BITSTRING	1	NCCIEND	End RCB
Comment					
Concur Signon Control Record Reset Signon Control Record					
End of Comment					
2	(2)	X'D2'	0	NCCESRCB	"C'K" Reset Signon character
2	(2)	X'D3'	0	NCCSRCB	"C'L" Concur Signon character "
2	(2)	ADDRESS	1	NCCCDL	Length of logical record
3	(3)	SIGNED	4	NCCCEVNT	Event sequence number
7	(7)	SIGNED	2	NCCCREST (0)	Total node to node resistance
7	(7)	SIGNED	2	NCCEREST	Partial node to node resistance
7	(7)	X'9'	0	NCCCL	**NCCRCB" Length of Concur/Reset
9	(9)	BITSTRING	1	NCCCEND	End RCB
9	(9)	BITSTRING	8	NCCCPENC	Encrypted random string
9	(9)	X'11'	0	NCCCL2	**NCCRCB" Length of secure Concur/Reset
17	(11)	BITSTRING	1	NCCCEND2	End RCB
Comment					
Add Connection Control Record Subtract Connection Control Record					
End of Comment					
2	(2)	X'D4'	0	NCCASRCB	"C'M" Add Connection character
2	(2)	X'D5'	0	NCCSSRCB	"C'N" Subtract Connection character
2	(2)	ADDRESS	1	NCCADL	Length of logical record
3	(3)	CHARACTER	8	NCCANODA	Lower node identification
11	(B)	BITSTRING	1	NCCAQULA	Lower node qualifier
12	(C)	CHARACTER	8	NCCANODB	Higher node identification
20	(14)	BITSTRING	1	NCCAQULB	Higher node qualifier
21	(15)	SIGNED	4	NCCAEVNT	Event sequence number
25	(19)	SIGNED	2	NCCAREST	Node to node resistance (TOTAL)
25	(19)	X'1B'	0	NCCAL	**NCCRCB" Length of Add/Subtract record
27	(1B)	BITSTRING	1	NCCAEND	End RCB
42	(2A)	X'29'	0	NCCMXLEN	"(*NCC)-L'NCCIEND" Maximum length NCC record

IAZYNCC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NCC	0		NCCIL	25	29
NCCADL	2		NCCILPAS	14	40404040
NCCAEND	1B	0	NCCIMHDR	25	10
NCCAEVNT	15	0	NCCIMRCB	25	4
NCCAL	19	1B	NCCINODE	3	40404040
NCCANODA	3	40404040	NCCINPAS	1C	40404040
NCCANODB	C	40404040	NCCIPACK	25	10
NCCAQULA	B	0	NCCIPENC	25	1C
NCCAQULB	14	0	NCCIPRAW	25	14
NCCAREST	19	0	NCCIPREP	25	80
NCCASRCB	2	D4	NCCIQUAL	B	0
NCCCDL	2		NCCIREST	10	0
NCCCEND	9	0	NCCIRIF	25	8
NCCCEND2	11	0	NCCISRCB	1	C9
NCCCEVNT	3	0	NCCISSIN	25	1
NCCCL	7	9	NCCITRM	25	40
NCCCL2	9	11	NCCMXLEN	2A	29
NCCCPENC	9	0	NCCRCB	0	
NCCCREST	7		NCCRCBF0	0	F0
NCCSRCB	2	D3	NCCRID	0	
NCCEREST	7	0	NCCRSRCB	1	D1
NCCESRCB	2	D2	NCCSRCB	1	
NCCIBFSZ	12	0	NCCSSRCB	2	D5
NCCIDL	2				
NCCIEND	29	0			
NCCIEVNT	C	0			
NCCIFEAT	25				
NCCIFLG	24	0			
NCCIFLGM	24	80			
NCCIFLGS	24	40			

IAZYTCT Information

IAZYTCT Heading Information

Common Name: NJE/TCP Control table
Macro ID: IAZYTCT
DSECT Name: TCT, TCTRTNS
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'TCT'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 231
 Key: 0
 Residency: Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See TCTSIZE and TCTRSIZE equates
Created by: Address space initialization for NJE/TCP server address space
Pointed to by: An address-space level token named IAZYTCT in the IAZNJTCP network server address space. TPRMTCT field of the IAZYTPRM data area
Serialization: None required
Function: Defines parameters associated with the IAZNJTCP network server address space.

IAZYTCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TCT	NJE/TCP Control Table
0	(0)	CHARACTER	4	TCTEYE	Eye catcher
4	(4)	ADDRESS	2	TCTLEN	Length of status extension
4	(4)	X'1'	0	TCTVRSN1	"1" Version 1
4	(4)	X'1'	0	TCTCVRSN	"TCTVRSN1" Current version
6	(6)	ADDRESS	1	TCTVERS	Version
7	(7)	ADDRESS	1		Reserved
8	(8)	ADDRESS	4	TCTMNTCB	TCB address of main task
12	(C)	CHARACTER	4	TCTSSN	Subsystem name of owning JES
16	(10)	CHARACTER	8	TCTNDENM	NJE node name of owning JES
24	(18)	CHARACTER	16	TCTDEVNM	Device name associated with address space on owning JES (for messages)
40	(28)	BITSTRING	8	TCTJSDTA	Eight bytes of JES-dependent data to be associated with the server.

Comment

IP address and port information.
 If IP address or port values are filled in on input to IAZNJTCP, they will represent the IP address and/or port values that IAZNJTCP should use.
 If IP address or port values are not filled in on input to IAZNJTCP, they will default to the primary IP address defined for this system (as returned by TCP/IP), and/or the well-known port address for TCP/IP NJE (either SSL or non-SSL address)

End of Comment

48	(30)	BITSTRING	1	TCTFLAG1	Flag byte 1
		1... ..		TCT1SSL	"B'10000000" Connections from this address space should use SSL protocols

Comment

Trace values are initialized by JES when creating the TCT, and maintained by IAZNJTCP thereafter.

End of Comment

		.1..		TCT1TRCJ	"B'01000000" JES Tracing active
		..1.		TCT1TRCC	"B'00100000" IAZNJTCP tracing active
		...1		TCT1VERB	"B'00010000" Verbose mode for WTOs from server
49	(31)	ADDRESS	1		Reserved
50	(32)	SIGNED	2	TCTKEEP1	Keep alive time interval
52	(34)	CHARACTER	255	TCTHSTNM (0)	IP host name (EBCDIC)
52	(34)	CHARACTER	255	TCTIPNAM	IP address (EBCDIC)
307	(133)	CHARACTER	1		Reserved
308	(134)	BITSTRING	16	TCTIPAD	128-bit IP address

IAZYTCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
324	(144)	CHARACTER	16	TCTSERVN	Service name (EBCDIC)
340	(154)	SIGNED	2	TCTPORT	Port number
342	(156)	BITSTRING	2	TCTBUF SZ	Max buffer size
344	(158)	BITSTRING	4	TCTIFEAT	Signon feature flags (See NCCIFEAT)
348	(15C)	CHARACTER	8	TCTSTACK	Name of TCP/IP stack

Comment

Work queue

FIFO queue of work elements to be processed at the address space level. These work elements represent requests to start and stop connection subtasks. The work elements are mapped by IAZYTNRQ.

Adding and removing elements from this queue requires use of the PLO instruction. The program-lock-token (PLT) value in R1 to serialize the operation should be the address of the queue head.

End of Comment

356	(164)	ADDRESS	4	TCTNRQH	Queue head
360	(168)	ADDRESS	4	TCTNRQT	Queue tail
364	(16C)	SIGNED	4	TCTNRECB	ECB indicating work has arrived on the work queue
368	(170)	ADDRESS	4	TCTRTNL	Pointer to list of JES exit routines called by IAZNJTCP
372	(174)	ADDRESS	4	TCTSERVL	Pointer to list of IAZNJTCP service routines called by JES
376	(178)	BITSTRING	8	TCTIAZDT	8-bytes of IAZNJTCP-dependent data
384	(180)	ADDRESS	4	(3)	Reserved for future use
400	(190)	DBL WORD	8	(0)	Double word alignment
400	(190)	X'190'	0	TCTSIZE	**-'TCT' Length of IAZYTCT

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TCTRTNS	, List of exit routines
0	(0)	CHARACTER	4	TCTREYE	Eyecatcher
4	(4)	ADDRESS	2	TCTRL EN	Length of status extension
4	(4)	X'1'	0	TCTRVRS1	"1" Version 1
4	(4)	X'1'	0	TCTRCVRS	"TCTRVRS1" Current version
6	(6)	ADDRESS	1	TCTRVRS	Version
7	(7)	ADDRESS	1	TCTRTNCT	Total number of routines
8	(8)	ADDRESS	4	TCTRLIST (0)	Start of routine list
8	(8)	ADDRESS	4	TCTR_AS_EARLY	Early address space init
12	(C)	ADDRESS	4	TCTR_AS_INIT	Address space initialization
16	(10)	ADDRESS	4	TCTR_AS_TERM	Address space termination
20	(14)	ADDRESS	4	TCTR_AS_NRQ	Address space network request
24	(18)	ADDRESS	4	TCTR_AS_TRACE	Address space trace request
28	(1C)	ADDRESS	4	TCTR_ST_INIT	Connection subtask initialization
32	(20)	ADDRESS	4	TCTR_ST_TERM	Connection subtask termination
36	(24)	ADDRESS	4	TCTR_ST_NRQ	Connection subtask network request
40	(28)	ADDRESS	4	TCTR_ST_NMS	Connection subtask network msg
44	(2C)	ADDRESS	4	TCTR_ST_TRACE	Connection subtask trace request
48	(30)	ADDRESS	4	TCTR_IN_NCC	Inbound NCC record processing
52	(34)	ADDRESS	4	TCTR_IN_NMR	Inbound NMR record processing
56	(38)	ADDRESS	4	TCTR_IN_SYSIN	Inbound SYSIN record processing
60	(3C)	ADDRESS	4	TCTR_IN_SYSOUT	Inbound SYSOUT record processing
64	(40)	ADDRESS	4	TCTR_OUT_SYSIN	Outbound SYSIN record processing
68	(44)	ADDRESS	4	TCTR_OUT_SYSOUT	Outbound SYSOUT record processing
72	(48)	ADDRESS	4	TCTR_CONN_REQ	Make connection primary (send "I")
76	(4C)	ADDRESS	4	TCTRL EN (0)	End of routine list
76	(4C)	X'11'	0	TCTR#RTN	"(TCTRL EN-TCTRLIST)/4" Number of routines in list
76	(4C)	X'4C'	0	TCTRSIZE	**-'TCTRTNS' Length of routine list

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TCTSERVS	,
0	(0)	CHARACTER	4	TCTSEYE	Eyecatcher
4	(4)	ADDRESS	2	TCTSLEN	Length of status extension
4	(4)	X'1'	0	TCTSVRS1	"1" Version 1
4	(4)	X'1'	0	TCTSCVRS	"TCTSVRS1" Current version
6	(6)	ADDRESS	1	TCTSVRS	Version
7	(7)	ADDRESS	1	TCTSTNCT	Total number of routines
8	(8)	ADDRESS	4	TCTSLIST (0)	Start of routine list

Comment

TCTS_ENQ - queues a NMR or NRQ to the server.
On Entry R1 points to a list of 3 fullword
parameters:
Word 1: Address of NMS or NRQ
Word 2: Address of queue head
Word 3: Offset of next pointer in NMS or NRQ

End of Comment

8	(8)	ADDRESS	4	TCTS_ENQ	Queue NMR or NRQ to server
12	(C)	ADDRESS	4	TCTSLEND (0)	End of routine list
12	(C)	X'1'	0	TCTS#RTN	"(TCTSLEND-TCTSLIST)/4" Number of routines in list
12	(C)	X'C'	0	TCTSSIZE	"-TCTSERVS" Length of service routine list

IAZYTCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCT	0		TCTR_ST_TRACE		
TCTBUFSZ	156		TCTR#RTN	4C	11
TCTCVRSN	4	1	TCTRCVRS	4	1
TCTDEVNM	18	40404040	TCTREYE	0	D9E3D5E2
TCTEYE	0	E3C3E340	TCTRLEN	4	4C
TCTFLAG1	30		TCTRLEND	4C	
TCTHSTNM	34		TCTRLIST	8	
TCTIAZDT	178		TCTRSIZE	4C	4C
TCTIFEAT	158		TCTRRTNCT	7	
TCTIPAD	134		TCTRRTNL	170	
TCTIPNAM	34		TCTRRTNS	0	
TCTJSDTA	28		TCTRVERS	6	
TCTKEEPI	32		TCTRVRS1	4	1
TCTLEN	4	190	TCTS_ENQ	8	
TCTMNTCB	8		TCTS#RTN	C	1
TCTNDENM	10	40404040	TCTSCVRS	4	1
TCTNRECB	16C		TCTSERVL	174	
TCTNRQH	164		TCTSERVN	144	
TCTNRQT	168		TCTSERVS	0	
TCTPORT	154		TCTSEYE	0	E2C5D9E5
TCTR_AS_EARLY			TCTSIZE	190	190
	8		TCTSLEN	4	C
TCTR_AS_INIT	C		TCTSLEND	C	
TCTR_AS_NRQ	14		TCTSLIST	8	
TCTR_AS_TERM	10		TCTSSIZE	C	C
TCTR_AS_TRACE			TCTSSN	C	40404040
	18		TCTSTACK	15C	
TCTR_CONN_REQ			TCTSTNCT	7	
	48		TCTSVRS	6	
TCTR_IN_NCC	30		TCTSVRS1	4	1
TCTR_IN_NMR	34		TCTVERS	6	
TCTR_IN_SYSIN			TCTVRSN1	4	1
	38		TCT1SSL	30	80
TCTR_IN_SYSOUT			TCT1TRCC	30	20
	3C		TCT1TRCJ	30	40
TCTR_OUT_SYSIN			TCT1VERB	30	10
	40				
TCTR_OUT_SYSOUT					
	44				
TCTR_ST_INIT	1C				
TCTR_ST_NMS	28				
TCTR_ST_NRQ	24				
TCTR_ST_TERM	20				

IAZYTDBC Information

IAZYTDBC Heading Information

Common Name: NJE/TCP Data buffer
Macro ID: IAZYTDBC
DSECT Name: DBC
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'PRM'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See DBCSIZE equate
Created by: IAZNJTCP
Pointed to by: Register 1 on entry to NJE/TCP Processign Routines
Serialization: None required
Function: Used top pass individual data records between JES exit routines and IAZNJTCP.

IAZYTDBC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DBC	NJE/TCP Data record
0	(0)	CHARACTER	4	DBCEYE	Eye catcher
4	(4)	ADDRESS	2	DBCLEN	Length of status extension
4	(4)	X'1'	0	DBCVR1	"1" Version 1
4	(4)	X'1'	0	DBCCVRS	"DBCVR1" Current version
6	(6)	ADDRESS	1	DBCVERS	Version
7	(7)	BITSTRING	1	DBCFLG1	Flag byte 1
		1... ..		DBC_F1_CALL_AGAIN	"B'10000000" A "call again" condition exists for this buffer
		.1.		DBC_F1_RI_ISSUED	"B'01000000" Request to initiate stream issued
		..1.		DBC_F1_PI_ISSUED	"B'00100000" Receiver issued Permission to initiate stream
		...1		DBC_F1_RC_ISSUED	"B'00010000" Receiver issued a Receiver Cancel on the stream
		.... 1...		DBC_F1_PI_RECEIVED	"B'00001000" Permission to initiate stream received
		.... .1..		DBC_F1_STRM_ACTIVE	"B'00000100" RI/PI is complete on the stream and the stream is currently active
		.... ..1.		DBC_F1_STRM_INACT	"B'00000010" RI received a RC or the stream is inactive
8	(8)	BITSTRING	1	DBCFLG2	Flag byte 2
		1... ..		DBC_F2_BUF_READY	"B'10000000" TCP/IP buffer is ready with data to be copied to the DBC buffer
		.1.		DBC_F2_PENDING_CPY	"B'01000000" If all of the TCP/IP transmission buffers are not available currently, this flag is set to indicate that data from DBC needs to be copied before calling the transmitter exit for more data
		..1.		DBC_F2_EOF_SENT	"B'00100000" Transmission reached an EOF and the transmitter sent the EOF to the receiver
		...1		DBC_F2_TC_SENT	"B'00010000" Indicate that transmit complete is sent by the receiver
		.... 1...		DBC_F2_XC_ISSUED	"B'00001000" Transmitter cancel is issued on the xmitter
		.... .1..		DBC_F2_XC_RECEIVED	"B'00000100" Transmitter cancel is received on the receiver
		.... ..1.		DBC_F2_XC_TO_ISSUE	"B'00000010" Transmitter cancel to be issued on the xmitter
9	(9)	BITSTRING	1	DBCFLG3	Flag byte 3
		1... ..		DBC_F3_BUF_TRACE	"B'10000000" JES is done tracing this buffer
		.1.		DBC_F3_SPANNED_PRC	"B'01000000" Spanned record is currently being processed
		..1.		DBC_F3_CALLAGN_CTL	"B'00100000" A "call again" condition exists for a control record in this buffer
10	(A)	BITSTRING	1	DBCRCB	RCB of stream this record is associated with
11	(B)	BITSTRING	1	DBCRCB	SRCB of record

IAZYTDBC Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
12	(C)	SIGNED	2	DBCLEN	Actual data length in buffer
14	(E)	BITSTRING	2		Reserved for IBM use
16	(10)	ADDRESS	4	DBCDATA	Address of data record
16	(10)	X'14'	0	DBCSIZE	"*-DBC" Length of DBC area

IAZYTDBC Cross Reference

Name	Hex Offset	Hex Value
DBC	0	
DBC_F1_CALL_AGAIN	7	80
DBC_F1_PI_ISSUED	7	20
DBC_F1_PI_RECEIVED	7	8
DBC_F1_RC_ISSUED	7	10
DBC_F1_RI_ISSUED	7	40
DBC_F1_STRM_ACTIVE	7	4
DBC_F1_STRM_INACT	7	2
DBC_F2_BUF_READY	8	80
DBC_F2_EOF_SENT	8	20
DBC_F2_PENDING_CPY	8	40
DBC_F2_TC_SENT	8	10
DBC_F2_XC_ISSUED	8	8
DBC_F2_XC_RECEIVED	8	4
DBC_F2_XC_TO_ISSUE	8	2
DBC_F3_BUF_TRACE	9	80
DBC_F3_CALLAGN_CTL	9	20
DBC_F3_SPANNED_PRC	9	40
DBCCVRS	4	1
DBCDATA	10	
DBCLEN	C	
DBCEYE	0	C4C2C340
DBCFLG1	7	
DBCFLG2	8	
DBCFLG3	9	
DBCLEN	4	14
DBCRCB	A	
DBCSIZE	10	14
DBCSRCB	B	
DBCVERS	6	
DBCVRS1	4	1

IAZYTNS Information

IAZYTNS Heading Information

Common Name: NJE/TCP Networking Message
Macro ID: IAZYTNS
DSECT Name: NMS
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'NMS'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Any Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See NMSSIZE equate
Created by:
Pointed to by: TPRMNMS field of the IAZYTPRM data area
 TSCTNMSH field of the IAZYTSCT data area
 TSCTNMST field of the IAZYTSCT data area
Serialization: None required
Function: Defines an outgoing network message (NCC or NMR) to be sent across a NJE connection.

IAZYTNS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NMS	NJE/TCP Control Table
0	(0)	CHARACTER	4	NMSEYE	Eye catcher
4	(4)	ADDRESS	2	NMSLEN	Length of status extension
4	(4)	X'1'	0	NMSVRSN1	"1" Version 1
4	(4)	X'1'	0	NMSCVRSN	"NMSCVRSN1" Current version
6	(6)	ADDRESS	1	NMSVERS	Version
7	(7)	ADDRESS	1		Reserved
8	(8)	ADDRESS	4	NMSNEXT	Address of next message
12	(C)	ADDRESS	4	NMSPREV	Address of previous message
16	(10)	CHARACTER	16	NMSDEVNM	Device name associated with socket on owning JES (for messages)
32	(20)	SIGNED	2	NMSRECLN	Total length of data in NMSREC (including RID)
34	(22)	SIGNED	2		Reserved
36	(24)	BITSTRING	256	NMSREC	NJE Record in buffer
36	(24)	X'24'	0	NMSRCB	"NMSREC,1,C'X'" RCB (RIDRCB)
36	(24)	X'25'	0	NMSSRCB	"NMSREC+1,1,C'X'" SRCB (RIDSRCB)
36	(24)	X'26'	0	NMSDLEN	"NMSREC+2,1,C'X'" LRECL (RIDRLEN)
36	(24)	X'27'	0	NMSDATA	"NMSREC+3,L'NMSREC-3,C'X'" Data
296	(128)	DBL WORD	8	NMSEND (0)	Doubleword align
296	(128)	X'128'	0	NMSSIZE	"*-NMS" Length of message request

IAZYTNS Cross Reference

Name	Hex Offset	Hex Value
NMS	0	
NMSCVRSN	4	1
NMSDATA	24	27
NMSDEVNM	10	40404040
NMSDLEN	24	26
NMSEND	128	
NMSEYE	0	D5D4E240
NMSLEN	4	128
NMSNEXT	8	
NMSPREV	C	
NMSRCB	24	24
NMSREC	24	
NMSRECLN	20	
NMSSIZE	128	128
NMSSRCB	24	25
NMSVERS	6	
NMSVRSN1	4	1

IAZYTNRQ Information

IAZYTNRQ Heading Information

Common Name: NJE/TCP Networking Request
Macro ID: IAZYTNRQ
DSECT Name: NRQ
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'NRQ'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See NRQSIZE equate
Created by:
Pointed to by: TCTNRQH field of the IAZYTCT data area
 TCTNRQT field of the IAZYTCT data area
 TPRMNRQ field of the IAZYTPRM data area
 TSCTNRQH field of the IAZYTSCT data area
 TSCTNRQT field of the IAZYTSCT data area
Serialization: None required
Function: Defines a request to the NJE server address space to begin or end a NJE connection.

IAZYTNRQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	NRQ	NJE/TCP Control Table
0	(0)	CHARACTER	4	NRQEYE	Eye catcher
4	(4)	ADDRESS	2	NRQLEN	Length of status extension
4	(4)	X'1'	0	NRQVRSN1	"1" Version 1
4	(4)	X'1'	0	NRQCVRSN	"NRQVRSN1" Current version
6	(6)	ADDRESS	1	NRQVERS	Version
7	(7)	ADDRESS	1	NRQTYPE	Request type
7	(7)	X'1'	0	NRQTYPE_START_CONN	"1" Start connection type
7	(7)	X'2'	0	NRQTYPE_HALT_CONN	"2" Halt connection type
7	(7)	X'3'	0	NRQTYPE_STOP_CONN	"3" Stop connection type
7	(7)	X'4'	0	NRQTYPE_ENABLE_SESSP	"4" Enable all streams
7	(7)	X'5'	0	NRQTYPE_BEGIN_DIAG	"5" Begin session tracing
7	(7)	X'6'	0	NRQTYPE_END_DIAG	"6" End session tracing
7	(7)	X'7'	0	NRQTYPE_STOP_SERVER	"7" Stop server type
7	(7)	X'8'	0	NRQTYPE_RESET_SERVER	"8" Reset server type
8	(8)	BITSTRING	8	NRQJSDTA	Eight bytes of JES-dependent data
16	(10)	ADDRESS	4	NRQNEXT	Next IAZYTNRQ on chain
20	(14)	ADDRESS	4	NRQPREV	Previous IAZYTNRQ on chain
24	(18)	BITSTRING	1	NRQERRC	NRQ processing code
24	(18)	X'4'	0	NRQERRC_START_CONN	"4" Start connection failure (retryable)
24	(18)	X'8'	0	NRQERRC_NO_RETRY	"8" Start connection failure (non-retryable)
25	(19)	BITSTRING	7		Reserved
32	(20)	DBL WORD	8	(0)	Start of request dependent data
32	(20)	BITSTRING	256	NRQDATA (0)	Request dependent data

Comment

Variable data for requests of types:

NRQTYPE_START_CONN
 NRQTYPE_HALT_CONN
 NRQTYPE_STOP_CONN

End of Comment

32	(20)	CHARACTER	16	NRQDEVNM	Device name associated with socket on owning JES (for messages)
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IAZYTNRQ Cross Reference

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

Additional variable data for NRQTYPE_START_CONN						

End of Comment						
48	(30)	CHARACTER	255	NRQIPNAM	IP address (EBCDIC)	
303	(12F)	CHARACTER	1		Reserved	
304	(130)	BITSTRING	16	NRQIPAD	128-bit IP address	
320	(140)	CHARACTER	16	NRQPORTN	Port name (EBCDIC)	
336	(150)	SIGNED	2	NRQPORT	Port number	
338	(152)	CHARACTER	8	NRQNODEN	NJE node name of connecting node	
346	(15A)	BITSTRING	1	NRQSFLG1	Initial tracing values for connection	
		1... ..		NRQS1TRJ	"B'10000000" JES event and record trace	
		.1.		NRQS1TRC	"B'01000000" IAZNJTCP internal tracing	
		..1.		NRQS1VRB	"B'00100000" IAZNJTCP verbose mode	
		...1		NRQS1TLS	"B'00010000" Enable TLS for this conn	
347	(15B)	BITSTRING	1		Reserved	
Comment						

Variable data for requests of types: NRQTYPE_ENABLE_SESSP						

End of Comment						
32	(20)	BITSTRING	2	NRQEBFSZ	Maximum buffer size allowed	
34	(22)	BITSTRING	2		Reserved	
36	(24)	BITSTRING	4	NRQIFEAT	Signon feature flags	
40	(28)	ADDRESS	4	NRQNLDV (0)	Number of devices for each stream	
40	(28)	ADDRESS	1	NRQJTNM	JTNUM (outbound SYSIN streams)	
41	(29)	ADDRESS	1	NRQJRNM	JRNUM (inbound SYSIN streams)	
42	(2A)	ADDRESS	1	NRQSTNM	STNUM (outbound SYSOUT streams)	
43	(2B)	ADDRESS	1	NRQSRNM	SRNUM (inbound SYSOUT streams)	
Comment						

Variable data for requests of types: NRQTYPE_BEGIN_DIAG NRQTYPE_END_DIAG						

End of Comment						
32	(20)	BITSTRING	1	NRQDFLG1	Tracing flags	
		1... ..		NRQD1TRJ	"B'10000000" Begin/end event and record tracing (JES Traces)	
		.1.		NRQD1TRC	"B'01000000" Begin/end event and record tracing (IAZNJTCP traces)	
		..1.		NRQD1VRB	"B'00100000" Begin/end verbose messages from IAZNJTCP	
352	(160)	DBL WORD	8	NRQEND (0)	Double-word align	
352	(160)	X'160'	0	NRQSIZE	"*-NRQ" Length of IAZYTNRQ request block	

IAZYTNRQ Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
NRQ	0		NRQJRNM	29	
NRQCVRSN	4	1	NRQJSDTA	8	
NRQDATA	20		NRQJTNM	28	
NRQDEVNM	20	40404040	NRQLEN	4	160
NRQDFLG1	20		NRQNEXT	10	
NRQD1TRC	20	40	NRQNLDV	28	
NRQD1TRJ	20	80	NRQNODEN	152	
NRQD1VRB	20	20	NRQPORT	150	
NRQEBFSZ	20		NRQPORTN	140	
NRQEND	160		NRQPREV	14	
NRQERRC	18		NRQSFLG1	15A	
NRQERRC_NO_RETRY			NRQSIZE	160	160
	18	8	NRQSRNM	2B	
NRQERRC_START_CONN			NRQSTNM	2A	
	18	4	NRQS1TLS	15A	10
NRQEYE	0	D5D9D840	NRQS1TRC	15A	40
NRQIFEAT	24		NRQS1TRJ	15A	80
NRQIPAD	130		NRQS1VRB	15A	20
NRQIPNAM	30		NRQTYPE	7	

Name	Hex Offset	Hex Value
NRQTYPE_BEGIN_DIAG	7	5
NRQTYPE_ENABLE_SESSP	7	4
NRQTYPE_END_DIAG	7	6
NRQTYPE_HALT_CONN	7	2
NRQTYPE_RESET_SERVER	7	8
NRQTYPE_START_CONN	7	1
NRQTYPE_STOP_CONN	7	3
NRQTYPE_STOP_SERVER	7	7
NRQVERS	6	
NRQVRSN1	4	1

IAZYTPRM Information

IAZYTPRM Heading Information

Common Name: NJE/TCP Processing Routine Parameter Lists
Macro ID: IAZYTPRM
DSECT Name: TPRM
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'PRM'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See TPRMSIZE equate
Created by:
Pointed to by: Register 1 on entry to NJE/TCP Processing Routines
Serialization: None required
Function: Defines parameter lists for each of the NJE/TCP Processing Routines

IAZYTPRM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TPRM	NJE/TCP Control Table
0	(0)	CHARACTER	4	TPRMEYE	Eye catcher
4	(4)	ADDRESS	2	TPRMLEN	Length of status extension
4	(4)	X'1'	0	TPRMVRS1	"1" Version 1
4	(4)	X'1'	0	TPRMCVRS	"TPRMVRS1" Current version
6	(6)	ADDRESS	1	TPRMVERS	Version
7	(7)	ADDRESS	1		Reserved
8	(8)	ADDRESS	4	TPRMTCT	Address of IAZYTCT
12	(C)	ADDRESS	4	TPRMTSCT	Address of IAZYTSCT or 0
16	(10)	ADDRESS	4	TPRMNMS	Address of IAZYTNMS or 0
20	(14)	ADDRESS	4	TPRMNRQ	Address of IAZYTNRQ or 0
24	(18)	DBL WORD	8	TPRMDATA (0)	Variable data

Comment

Variable data for TRACE routines

End of Comment

24	(18)	BITSTRING	1	TPRMTRFG	Flags
		1...		TPRMTRFI	"B'10000000" Inbound data
		.1..		TPRMTRFO	"B'01000000" Outbound data
		..1.		TPRMTRFC	"B'00100000" Control information
		...1		TPRMTRTI	"B'00010000" Data is input to service
		.... 1...		TPRMTRTO	"B'00001000" Data is output fm service
25	(19)	BITSTRING	1		Reserved
26	(1A)	SIGNED	2	TPRMTRLN	Length of trace data
28	(1C)	ADDRESS	4	TPRMTRDT	Address of trace data

Comment

Variable data for SYSIN and SYSOUT data routines

End of Comment

24	(18)	ADDRESS	4	TPRMDBCP	Address of IAZYTDBC or 0
28	(1C)	BITSTRING	1	TPRMTDFG	Flags
		1...		TPRMTDFT	"B'10000000" Terminate current stream
		.1..		TPRMTDFA	"B'01000000" Terminate and ABEND link
29	(1D)	BITSTRING	3		Reserved

Comment

Variable data for CONN_REQ routine

End of Comment

24	(18)	CHARACTER	8	TPRMNDEN	Adjacent node name
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IAZYTPRM Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					Comment
Variable data for ST_TERM routine					
					End of Comment
24	(18)	BITSTRING 1... ..	1	TPRMSTFG	Flags
32	(20)	X'20'	0	TPRMSIZE	"B'10000000" Non-retryable error "-TPRM" Length of parameter list

IAZYTPRM Cross Reference

Name	Hex Offset	Hex Value
TPRM	0	
TPRMCVRS	4	1
TPRMDATA	18	
TPRMDBCP	18	
TPRMEYE	0	D7D9D440
TPRMLEN	4	20
TPRMNDEN	18	
TPRMNMS	10	
TPRMNRQ	14	
TPRMSIZE	20	20
TPRMSTFG	18	
TPRMSTNR	18	80
TPRMTCT	8	
TPRMTDFA	1C	40
TPRMTDFG	1C	
TPRMTDFT	1C	80
TPRMRDFT	1C	
TPRMRDFT	1C	80
TPRMRDFT	1C	
TPRMRDFT	1C	20
TPRMRDFT	18	
TPRMRDFT	18	80
TPRMRDFT	18	40
TPRMRDFT	1A	
TPRMRDFT	18	10
TPRMRDFT	18	8
TPRMTSCT	C	
TPRMVERS	6	
TPRMVRS1	4	1

IAZYTST Information

IAZYTST Heading Information

Common Name: NJE/TCP Socket Control Table
Macro ID: IAZYTST
DSECT Name: TSCT
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'TSCT'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See TSCTSIZE equate
Created by: Task initialization for NJE connection
 task in NJE/TCP server address space
Pointed to by: TPRMTSCT field of the IAZYTPRM data area
Serialization: None required
Function: Defines parameters associated with a specific NJE
 TCP/IP connection

IAZYTST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TSCT	NJE/TCP Socket Control Table
0	(0)	CHARACTER	4	TSCTEYE	Eye catcher
4	(4)	ADDRESS	2	TSCTLEN	Length of status extension
4	(4)	X'1'	0	TSCTVRS1	"1" Version 1
4	(4)	X'1'	0	TSCTCVRS	"TSCTVRS1" Current version
6	(6)	ADDRESS	1	TSCTVERS	Version
7	(7)	ADDRESS	1		Reserved
8	(8)	CHARACTER	16	TSCTDVNM	Device name associated with socket on owning JES (for messages)
24	(18)	CHARACTER	8	TSCTNDNM	NJE node name of adjacent node
32	(20)	BITSTRING	8	TSCTJSDT	JES-dependent data
Comment					
<p>Work queue</p> <p>FIFO queue of work elements to be processed at the socket level. These work elements represent requests change the status or attributes of a connecton subtask. These work elements are mapped by IAZYTNRQ. Adding and removing elements from this queue requires use of the PLO instruction. The program-lock-token (PLT) value in R1 to serialize the operation should be the address of the queue head.</p>					
End of Comment					
40	(28)	ADDRESS	4	TSCTNRQH	IAZYTNRQ queue head
44	(2C)	ADDRESS	4	TSCTNRQT	IAZYTNRQ queue tail
48	(30)	SIGNED	4	TSCTQECB	ECB indicating work has arrived on the work queue
Comment					
<p>IP address and port information.</p> <p>These values are filled in by IAZNJTCP after the socket has been created and represent the IP address and port on the other end of the connection.</p>					
End of Comment					
52	(34)	CHARACTER	255	TSCTHSTN (0)	IP host name (EBCDIC)
52	(34)	CHARACTER	255	TSCTIPNM	IP address (EBCDIC)
307	(133)	CHARACTER	1		Reserved
308	(134)	BITSTRING	16	TSCTIPAD	128-bit IP address
324	(144)	CHARACTER	16	TSCTPRTN	Port name (EBCDIC)
340	(154)	BITSTRING	2	TSCTPORT	Port number
342	(156)	BITSTRING	1	TSCTFLG1	Flags

IAZYTST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Trace values are initialized by IAZNJTCP from the START_CONN NRQ, and maintained by IAZNJTCP thereafter					
End of Comment					
		1... ..		TSCT1TRJ	"B'10000000" JES tracing active for line
		.1.. ..		TSCT1TRC	"B'01000000" IAZNJTCP tracing active
		..1.		TSCT1VRB	"B'00100000" IAZNJTCP WTO verbose mode
		...1		TSCT1TLS	"B'00010000" Indicate secure TLS connection
343	(157)	BITSTRING	1		Reserved
344	(158)	BITSTRING	8	TSCTIAZD	8-bytes of IAZNJTCP-dependent data
352	(160)	SIGNED	4	TSCTSKID	Socket identifier
356	(164)	ADDRESS	4	(3)	Reserved
Comment					
Sub-device parameter definitions					
For each socket, there are potentially many streams:					
- Up to 8 inbound device streams					
- Up to 8 outbound device streams					
- Inbound and outbound control streams (NCC records)					
- Inbound and outbound message streams (NMR records)					
The following contain definitions for each individual stream.					
End of Comment					
368	(170)	DBL WORD	8	(0)	Alignment for subsections
368	(170)	BITSTRING	64	TSCTINST (8)	Definitions for 8 inbound streams
432	(1B0)	BITSTRING	1	TSCTOUST (8)	Definitions for 8 outbound streams
Comment					
Outbound message and control record queue					
FIFO queue of outbound network messages and control records (NCC records and NMRs). These messages are mapped by IAZYTNMS.					
Adding and removing elements from this queue requires use of the PLO instruction. The program-lock-token (PLT) value in R1 to serialize the operation should be the address of the queue head.					
End of Comment					
496	(1F0)	ADDRESS	4	TSCTNMSH	IAZYNMS outbound queue head
500	(1F4)	ADDRESS	4	TSCTNMST	IAZYNMS outbound queue tail
504	(1F8)	SIGNED	4	TSCTNECB	ECB indicating work has arrived on the work queue
508	(1FC)	SIGNED	4		Reserved
512	(200)	DBL WORD	8	TSCTEND (0)	Doubleword align
512	(200)	X'200'	0	TSCTSIZE	**-TSCT" Length of IAZYTSCT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TSCTIN	, Inbound subdevice parameters
0	(0)	BITSTRING	1	TSCTIN_RCB	RCB of inbound stream
1	(1)	BITSTRING	3		Reserved
4	(4)	SIGNED	4	TSCTIN_ECB	ECB posted by subdevice when JES processing routine is ready to accept new work
8	(8)	DBL WORD	8	(0)	Force alignment
8	(8)	X'8'	0	TSCTIN_LEN	**-TSCTIN" Length of subsection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TSCTOUT	, Outbound subdevice parameters
0	(0)	BITSTRING	1	TSCTOUT_RCB	RCB of outbound stream
1	(1)	BITSTRING	3		Reserved
4	(4)	SIGNED	4	TSCTOUT_ECB	ECB posted by subdevice when JES processing routine has new work to be processed
8	(8)	DBL WORD	8	(0)	Force alignment

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	X'8'	0	TSCTOUT_LEN	""-TSCTOUT" Length of subsection

IAZYTST Cross Reference

Name	Hex Offset	Hex Value
TSCT	0	
TSCTCVRS	4	1
TSCTDVNM	8	40404040
TSCTEND	200	
TSCTEYE	0	E3E2C3E3
TSCTFLG1	156	
TSCTHSTN	34	
TSCTIAZD	158	
TSCTIN	0	
TSCTIN_ECB	4	
TSCTIN_LEN	8	8
TSCTIN_RCB	0	
TSCTINST	170	
TSCTIPAD	134	0
TSCTIPNM	34	40404040
TSCTJSDT	20	
TSCTLEN	4	200
TSCTNDNM	18	40404040
TSCTNECB	1F8	
TSCTNMSH	1F0	
TSCTNMST	1F4	
TSCTNRQH	28	
TSCTNRQT	2C	
TSCTOUST	1B0	
TSCTOUT	0	
TSCTOUT_ECB	4	
TSCTOUT_LEN	8	8
TSCTOUT_RCB	0	
TSCTPORT	154	0
TSCTPRTN	144	40404040
TSCTQECB	30	
TSCTSIZE	200	200
TSCTSKID	160	
TSCTVERS	6	
TSCTVRS1	4	1
TSCT1TLS	156	10
TSCT1TRC	156	40
TSCT1TRJ	156	80
TSCT1VRB	156	20

IAZYTTRC Information

IAZYTTRC Heading Information

Common Name: NJE/TCP Trace data
Macro ID: IAZYTTRC
DSECT Name: TTRC
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'TTRC'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 0
 Key: 0
 Residency: Virtual storage below 2G, real storage anywhere, in the private storage of the IAZNJTCP address space.
Size: See DBCSIZE equate
Created by: IAZNJTCP
Pointed to by: TPRMTRDT field of the IAZYTPRM data area
Serialization: None required
Function: Maps control information for tracing by the JES trace exit routine (TCTR_AS_TRACE or TCTR_ST_TRACE).
 The variable data pointed to by TPRMTRDT on input to the routine maps using this DSECT if the flag TPRMTRFC is set.

IAZYTTRC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TTRC	NJE/TCP Data record
0	(0)	CHARACTER	4	TTRCEYE	Eye catcher
4	(4)	CHARACTER	20	TTRCSRVN	Service name
24	(18)	BITSTRING	4		Reserved
Comment					
Input to service					
End of Comment					
28	(1C)	BITSTRING	255	TTRCINP (0)	Input to service
Comment					
Output from service					
End of Comment					
28	(1C)	BITSTRING	4	TTRCOURT	Return code from service
32	(20)	BITSTRING	4	TTRCOURS	Reason code from service
36	(24)	BITSTRING	255	TTRCOUTP (0)	Output from service

IAZYTTRC Cross Reference

Name	Hex Offset	Hex Value
TTRC	0	
TTRCEYE	0	E3E3D9C3
TTRCINP	1C	
TTRCOURS	20	
TTRCOURT	1C	
TTRCOUTP	24	
TTRCSRVN	4	

ICHPT Information

ICHPT Heading Information

Common Name: Installation Channel Path Table
Macro ID: IHAICHPT
DSECT Name: ICHPT
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245
 Key: 0
Size: 256 bytes
Created by: IEAVNP02
Pointed to by: CVTICHPT field of the CVT data area
Serialization: None
Function: Maps the 256 possible channel paths (CHPID) between the channel and the control units.

ICHPT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	256	ICHPT	
0	(0)	BITSTRING	1	ICHARRAY (255:562114840)	Array of 256 entries to map each unique channel path. NOTE: Only valid states---- X'E0',X'C0',X'80',X'00', X'F0',X'E8',X'F8'
		1...		ICHCONFIG	This CHPID is VALID for this installation. If 0, then ICHOWNED = 0 and ICHONLIN = 0.
		.1..		ICHOWNED	This CHPID is OWNED by This system. If 1, then ICHCONFIG = 1. If 0, then ICHONLIN = 0.
		..1.		ICHONLIN	This CHPID is ONLINE. If 1, then ICHCONFIG = 1 and ICHOWNED = 1.
		...1		ICHRCVIP	If 1, this CHPid is currently undergoing channel path recovery.
		.... 1..		ICHVOIP	If 1, Vary Offline in progress for CHPID.
		.... .1..		ICHFORER	If 1, channel path recovery was unable to complete for a FORCE Channel Path Offline request.
		.... ..1.		ICHRCVLS	If 1, channel path recovery has started its last scan of the UCBs.

ICHS Information

ICHS Heading Information

Common Name: IOS Channel Subsystem Information
Macro ID: IOSDICHS
DSECT Name: ICHS
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: ICHS
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: 31-bit storage
Size: See assembler listing
Created by: - IOSNCHSF
Pointed to by: - SCVTCHSI
Serialization: None
Function: This macro maps a header for the channel subsystem information (CHSI). The header is followed by the CHSI. The CHSI portion is mapped by the IEEMCHSI control block.

ICHS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	ICHS	
0	(0)	CHARACTER	16	ICHSHEAD	Header
0	(0)	CHARACTER	4	ICHSNAME	Control block acronym
4	(4)	UNSIGNED	1	ICHSVER	Version of control block
5	(5)	CHARACTER	5	ICHSCMP	Component identification.
10	(A)	CHARACTER	2	ICHSFLGS	Flags.
10	(A)	BITSTRING	1	ICHSFLG1	First byte of flags.
		1... ..		ICHSVALD	CHSI valid flag, set to zero, invalid, when there was a SCLP error and the channel subsystem information could not be obtained. Set to one, valid, when the information was obtained and stored in the CHSI.
		.111 1111		*	Reserved.
11	(B)	BITSTRING	1	*	Reserved.
12	(C)	CHARACTER	4	*	Reserved.
16	(10)	CHARACTER	8	ICHSCHSI	Channel subsystem information.

ICHS Constants

Len	Type	Value	Name	Description
Comment				
Constants definitions				
End of Comment				
4	CHARACTER	ICHS	ICHSID	Control block ID.
1	DECIMAL		ICHSVER1	Version one of the control block.
5	CHARACTER	SC1C3	ICHSCOMP	Component control block belongs to.

ICHS Cross Reference

ICHS Cross Reference

Name	Hex Offset	Hex Value
ICHS	0	
ICHSCHSI	10	
ICHSCMP	5	
ICHSFLGS	A	
ICHSFLG1	A	
ICHSHEAD	0	
ICHSNAME	0	
ICHSVALD	A	80
ICHSVER	4	

ICSC Information

ICSC Heading Information

Common Name: System Resource Manager Installation Control Specification - Common Section
Macro ID: IRAICSC
DSECT Name: ICSC (unless DSECT=NO is coded)
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: N/A
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: 40 bytes
Created by: IEEMB812, IEAVNP10
Pointed to by: RMCTICST field of the RMCT data area
Serialization: SRM Lock
Function: Contains data identifying the current Installation Control Specification (ICS)

ICSC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	ICSC	
0	(0)	CHARACTER	2	ICSCNAME	MEMBER ID
2	(2)	CHARACTER	1	ICSCMSKC	MASK CHARACTER
3	(3)	BITSTRING	1	ICSCFLAG	STATUS FLAGS
		1... ..		ICSCTSO	TSO SUBSYSTEM SPECIFIED
		.1.. ..		ICSCSTC	STC SUBSYSTEM SPECIFIED
		..1.		ICSCREPT	NON-TSO RPRTG ACTIVE
		...1		ICSCRTSO	TSO REPORTING ACTIVE
		.... 1..		ICSCGRS	GRS WITH CONTROL PGN SPECIFIED
		.... .1..		ICSCMS6	MS6 has seen this
		.... ..1.		ICSC851E	IRA851E has been issued
		.... ...1		ICSCRSV2	RESERVED
4	(4)	SIGNED	4	ICSC LNG	TOTAL TABLE LENGTH
8	(8)	BITSTRING	8	ICSC TOC	TIME OF 'SET ICS' PROCESSING
16	(10)	ADDRESS	4	ICSC SET	'SET ICS' ROUTINE ADDRESS
20	(14)	SIGNED	2	ICSCHPGN	HIGHEST PG IN MEMBER
22	(16)	SIGNED	2	ICSCUPGN	CNT OF UNIQUE PGNS
24	(18)	SIGNED	2	ICSCLRPG	LOWEST RPGN IN MEMBER
26	(1A)	SIGNED	2	ICSCHRPG	HIGHEST RPGN IN MEMBER
28	(1C)	SIGNED	2	ICSCURPG	CNT OF UNIQUE RPGNS
30	(1E)	SIGNED	2	ICSCRSV3	RESERVED
32	(20)	ADDRESS	4	ICSCR PVT	ADDRESS OF RPGN VECTOR TABLE
36	(24)	ADDRESS	4	ICSCNICS	FOR SET, ADDR OF NEXT ICSC
40	(28)	CHARACTER	0	ICSC END	END OF ICSC

ICSC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ICSC	0		ICSC TSO	3	80
ICSC END	28		ICSCUPGN	16	
ICSCFLAG	3		ICSCURPG	1C	
ICSCGRS	3	08	ICSC851E	3	02
ICSCHPGN	14				
ICSCHRPG	1A				
ICSC LNG	4				
ICSCLRPG	18				
ICSCMSKC	2				
ICSCMS6	3	04			
ICSCNAME	0				
ICSCNICS	24				
ICSCREPT	3	20			
ICSCR PVT	20				
ICSCRSV2	3	01			
ICSCRSV3	1E				
ICSCRTSO	3	10			
ICSCSET	10				
ICSCSTC	3	40			
ICSC TOC	8				

ICT Information

ICT Heading Information

Common Name: System Resource Manager I/O Management Control Table
Macro ID: IRAICT
DSECT Name: ICT (unless DSECT=NO is coded)
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: ICT
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: Nucleus (above 16M line)
Size: 72 bytes
Created by: Assembled into nucleus module IRARMCNS
Pointed to by: RMCTICT field of the RMCT data area
Serialization: SRM lock
Function: Contains logical channel usage information for use by SRM I/O management modules

ICT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	72	ICT	I/O CONTROL TABLE
0	(0)	CHARACTER	4	ICTICT	ACRONYM IN EBCDIC -ICT-
Comment					
I/O CONTROL CONSTANTS					
End of Comment					
4	(4)	SIGNED	2	ICCNDCT1	AVG CONNECT TIME/EXCP
6	(6)	SIGNED	2	ICCTPILO	LOW THRESHOLD FOR PERCENT TPI INTERRUPTS TIMES 100
8	(8)	SIGNED	2	ICCTPIHI	HIGH THRESHOLD FOR PERCENT TPI INTERRUPTS TIMES 100
10	(A)	SIGNED	2	ICCRSV1	4@L1C
12	(C)	SIGNED	4	ICCRSV2	
16	(10)	SIGNED	2	ICCRSV3	
18	(12)	SIGNED	2	ICCEDMDL	EST DD DMB DLAY IMPACT (PERCENT TIMES 100)
20	(14)	CHARACTER	0	ICCEND	END OF ICT CONSTANTS
Comment					
VARIABLES FOR SELECTIVE I/O ENABLEMENT					
End of Comment					
20	(14)	SIGNED	4	ICVTPIB	BASE COUNT OF I/O INTERRUPTS VIA TPI
24	(18)	SIGNED	4	ICVSLIHB	BASE COUNT OF I/O INTERRUPTS VIA SLIH
28	(1C)	SIGNED	2	ICVTPIP	PERCENT OF I/O INTERRUPTS HANDLED VIA TPI (PERCENT * 100)
30	(1E)	SIGNED	2	ICVRSVA	RESERVED
32	(20)	SIGNED	4	ICVRSV1	
Comment					
I/O RELATED MESSAGE POINTERS					
End of Comment					
36	(24)	ADDRESS	4	ICCMS600	SRM CHANNEL DATA NOW AVAILABLE - IRA600I
40	(28)	ADDRESS	4	ICCMS601	SRM CHANNEL DATA NO LONGER AVAILABLE - IRA601I
44	(2C)	ADDRESS	4	ICCMS602	XX,SRM CHANNEL MEASUREMENTS TERMINATED - IRA602I
48	(30)	ADDRESS	4	ICCMS603	XX,SYSTEM ACTIVITY DISPLAY COUNTS NO LONGER BEING USED FOR CHANNEL UTILIZATIONS - 1RA603I
52	(34)	ADDRESS	4	ICCMS604	CHANNEL PATH MEASUREMENT FACILITY DATA NO LONGER AVAILABLE
56	(38)	ADDRESS	4	ICCMS605	CHANNEL PATH MEASUREMENT FACILITY RESTART IN PROGRESS
Comment					
I/O CONTROL FLAGS					
End of Comment					
60	(3C)	BITSTRING	1	ICTFLAGS	I/O CONTROL FLAGS

ICT Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1111		ICTDRSV4	RESERVED 3@L1D
		.... 1...		ICTDISAB	DISABLE REQUEST TO IL5
		.... .111		*	RESERVED
61	(3D)	BITSTRING	3	ICTRSVA	RESERVED
64	(40)	SIGNED	4	ICTRSVB	RESERVED
68	(44)	SIGNED	4	ICTRSVC	RESERVED
72	(48)	CHARACTER	0	ICTEND	END OF ICT END OF THIS BLOCK

ICT Cross Reference

Name	Hex Offset	Hex Value
ICCEDMDL	12	
ICCEND	14	
ICCMS600	24	
ICCMS601	28	
ICCMS602	2C	
ICCMS603	30	
ICCMS604	34	
ICCMS605	38	
ICCNDCTI	4	
ICCRSV1	A	
ICCRSV2	C	
ICCRSV3	10	
ICCTPIHI	8	
ICCTPILO	6	
ICT	0	
ICTDISAB	3C	08
ICTDRSV4	3C	F0
ICTEND	48	
ICTFLAGS	3C	
ICTICT	0	
ICTRSVA	3D	
ICTRSVB	40	
ICTRSVC	44	
ICVRSVA	1E	
ICVRSV1	20	
ICVSLIHB	18	
ICVTPIB	14	
ICVTPIP	1C	

IDAL Information

IDAL Heading Information

Common Name: TCCW Translator Indirect Address List
Macro ID: IECDIDAL
DSECT Name: IDAL
Owning Component: Execute Channel Program Processor (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 226
 Key: 0
Size: Variable
Created by: Callers of the CCW translation module, IECVTCCW
Pointed to by: TCCWIDAL field of the TCCW data area
 IDALCHN field of the IDAL data area
Serialization: Local lock
Function: Contains all the Indirect Address Words (IDAWs) generated by the TCCW translator (IECVTCCW) in translating the callers virtual channel program to a real channel program. It also contains the IDAWs as a result of a callers virtual IDAW CCW.

IDAL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IDAL	
0	(0)	ADDRESS	4	IDALCHN	IDAL block chain pointer
4	(4)	ADDRESS	4		Reserved
4	(4)	X'8'	0	IDALHL	"*-IDAL" IDAL header block length
8	(8)	ADDRESS	4	IDALENTY	Indirect address list entry
8	(8)	X'4'	0	IDALEL	"*-IDALENTY" IDAW length
8	(8)	X'26'	0	IDALNE	"38" number of IDAW entries- 160 byte
8	(8)	X'3C'	0	IDALNEL	"60" number of IDAW entries- 248 byte
8	(8)	X'A0'	0	IDALBL	"IDALHL+IDALEL*IDALNE" IDAL block length

IDX Information

IDX Programming Interface information

Programming Interface information

IDX

End of Programming Interface information

IDX Heading Information • IDX Map

IDX Heading Information

Common Name: Index table
Macro ID: IAZIDX
DSECT Name: IAZIDX
Owning Component: JES Common (SC141)
Eye-Catcher ID: IDX
 Offset: IDXID
 Length: L'IDXID
Storage Attributes: Subpool: 230
 Key: TCB key of FSS
 Residency: Virtual 24-bit, Real 31-bit
Size: See IDXESIZ
Created by: HASPFSSM (JES2)
 IATFPRA (JES3)
Pointed to by: GCBIDX field of the \$GCB (JES2)
 INPXINDX field of the IATYINPX (JES3)
 GLRINDX field of the IAZFSIP parameter list
Serialization: None required
Function: Has information about a single record being processed by an FSS. The IDX is filled in by the JES and used by the FSS.

IDX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IAZIDX	
0	(0)	X'0'	0	IDX	"IAZIDX" ALTERNATE DSECT NAME
0	(0)	CHARACTER	4	IDXID	INDEX TABLE ID
4	(4)	SIGNED	2	IDXNUM	NUMBER OF ENTRIES IN TABLE
6	(6)	SIGNED	2	IDXTOK	JES SUPPLIED TOKEN
8	(8)	SIGNED	4		RESERVED
8	(8)	X'C'	0	IXXSIZ	**-IDX" FIXED INDEX HEADER SIZE
Comment					
INDEX ENTRY					
End of Comment					
12	(C)	SIGNED	4	IDXENTRY (0)	INDEX ENTRY
12	(C)	SIGNED	2	IXXENTRL	LENGTH OF THE INDEX ENTRY
14	(E)	SIGNED	2	IXXRECL	LENGTH OF THE DATA PORTION
16	(10)	ADDRESS	1	IXXFLAG1	FLAG BYTE
		1...		IXXDSR	"B'10000000" INDICATES DATA STREAM RECORD
		.1..		IXXLMR	"B'01000000" INDICATES LINE MODE RECORD
		..1.		IXXANSI	"B'00100000" REC CONTAINS ANSI CNTRL CHARS
		...1		IXXMACH	"B'00010000" REC CONTAINS MACH CNTRL CHARS
		.... 1...		IXXSRS	"B'00001000" RECORD SPLIT - START OF REC
		.... .1..		IXXSRM	"B'00000100" RECORD SPLIT - MIDDLE OF REC
		.... ..1.		IXXSRE	"B'00000010" RECORD SPLIT - END OF REC
		.... ...1		IXXOPJ	"B'00000001" OPTCODE=J USED FOR REC
17	(11)	ADDRESS	1		RESERVED
18	(12)	ADDRESS	2	IXXORECL	Original LRECL of record (only passed if start or only IDX for record)
20	(14)	ADDRESS	4	IXXRADR	ADDR OF THE DATA PORTION OF REC
24	(18)	CHARACTER	8	IXXRECID	RECORD IDENTIFIER
32	(20)	SIGNED	4	(0)	BOUNDARY ALIGNMENT
32	(20)	X'14'	0	IXXESIZ	**-IDXENTRY" INDEX ENTRY SIZE

IDX Cross Reference

Name	Hex Offset	Hex Value
IAZIDX	0	
IDX	0	0
IDXANSI	10	20
IDXDSR	10	80
IDXENTRL	C	
IDXENTRY	C	
IDXESIZ	20	14
IDXFLAG1	10	
IDXID	0	
IDLMLR	10	40
IDXMACH	10	10
IDXNUM	4	
IDXOPJ	10	1
IDXORECL	12	
IDXRADR	14	
IDXRECID	18	
IDXRECL	E	
IDXSIZ	8	C
IDXSRE	10	2
IDXSRM	10	4
IDXSRS	10	8
IDXTOK	6	

IEAASM Information

IEAASM Heading Information

Common Name: Supervisor Callable Services Asm Declarations
Macro ID: IEAASM
DSECT Name: N/A
Owning Component: Supervisor Control (SC1C5)
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: N/A
Function: IEAASM defines Supervisor constants for programs written in the Assembler language

IEAASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVAPEPARMLIST	
0	(0)	ADDRESS	4	IEAVAPERRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVAPEAUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVAPEPAUSEELEMENTTOKENPTR	Pause Element Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVDPEPARMLIST	
0	(0)	ADDRESS	4	IEAVDPERRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVDPEAUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVDPEPAUSEELEMENTTOKENPTR	Pause Element Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVPSEPARMLIST	
0	(0)	ADDRESS	4	IEAVPSERETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVPSEAUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVPSECURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
12	(C)	ADDRESS	4	IEAVPSEUPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
16	(10)	ADDRESS	4	IEAVPSERELEASECODE	Release Code Address Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVRLSPARMLIST	
0	(0)	ADDRESS	4	IEAVRLSRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVRLSAUTHLEVELPTR	

IEAASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	ADDRESS	4	IEAVRLSTARGETDUPAUSEELEMENTTOKENPTR	Auth Level Address
12	(C)	ADDRESS	4	IEAVRLSTARGETDURELEASECODE	Pause Element Token Address Release Code Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVXFRPARMLIST	
0	(0)	ADDRESS	4	IEAVXFRRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVXFRAUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVXFRCURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
12	(C)	ADDRESS	4	IEAVXFRUPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
16	(10)	ADDRESS	4	IEAVXFRCURRENTDURELEASECODE	Release Code Address
20	(14)	ADDRESS	4	IEAVXFRTARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
24	(18)	ADDRESS	4	IEAVXFRTARGETDURELEASECODE	Release Code Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVRPIPARMLIST	
0	(0)	ADDRESS	4	IEAVRPIRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVRPIAUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVRPIPAUSEELEMENTTOKENPTR	Pause Element Token Address
12	(C)	ADDRESS	4	IEAVRPIAUTHORIZATIONPTR	PE creator's authority Address
16	(10)	ADDRESS	4	IEAVRPIOWNERPTR	PE owner's STOKEN Address
20	(14)	ADDRESS	4	IEAVRPISTATEPTR	Address of PE's state
24	(18)	ADDRESS	4	IEAVRPIRELEASECODEPTR	Address of PE's release code if state is Released or Prereleased

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVTPEPARMLIST	
0	(0)	ADDRESS	4	IEAVTPERRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVTPEPAUSEELEMENTTOKENPTR	Pause Element Token Address
8	(8)	ADDRESS	4	IEAVTPESTATEPTR	Address of PE's state
12	(C)	ADDRESS	4	IEAVTPERRELEASECODEPTR	Address of PE's release code if state is Released or Prereleased

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVAPE2PARMLIST	
0	(0)	ADDRESS	4	IEAVAPE2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVAPE2AUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVAPE2PAUSEELEMENTTOKENPTR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	IEAVAPE2PEOWNERSTOKENPTR	Pause Element Token Address
16	(10)	ADDRESS	4	IEAVAPE2OWNERTERMRELEASECODEPTR	Pause Element Owner Stoken Address Owner Termination Release Code Address
20	(14)	ADDRESS	4	IEAVAPE2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVDPE2PARMLIST	
0	(0)	ADDRESS	4	IEAVDPE2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVDPE2PAUSEELEMENTTOKENPTR	Pause Element Token Address
8	(8)	ADDRESS	4	IEAVDPE2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVPSE2PARMLIST	
0	(0)	ADDRESS	4	IEAVPSE2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVPSE2CURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
8	(8)	ADDRESS	4	IEAVPSE2UPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
12	(C)	ADDRESS	4	IEAVPSE2RELEASECODE	Release Code Address Address
16	(10)	ADDRESS	4	IEAVPSE2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVRLS2PARMLIST	
0	(0)	ADDRESS	4	IEAVRLS2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVRLS1TARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
8	(8)	ADDRESS	4	IEAVRLS2TARGETDURELEASECODE	Release Code Address
12	(C)	ADDRESS	4	IEAVRLS2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVXFR2PARMLIST	
0	(0)	ADDRESS	4	IEAVXFR2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVXFR2CURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
8	(8)	ADDRESS	4	IEAVXFR2UPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
12	(C)	ADDRESS	4	IEAVXFR2CURRENTDURELEASECODE	Release Code Address
16	(10)	ADDRESS	4	IEAVXFR2TARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
20	(14)	ADDRESS	4	IEAVXFR2TARGETDURELEASECODE	Release Code Address
24	(18)	ADDRESS	4	IEAVXFR2LINKAGEPTR	Linkage Address

IEAASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEAVRPI2PARMLIST	
0	(0)	ADDRESS	4	IEAVRPI2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	IEAVRPI2AUTHLEVELPTR	Auth Level Address
8	(8)	ADDRESS	4	IEAVRPI2PAUSEELEMENTTOKENPTR	Pause Element Token Address
12	(C)	ADDRESS	4	IEAVRPI2LINKAGEPTR	Linkage Address
16	(10)	ADDRESS	4	IEAVRPI2OWNERSTOKENPTR	PE owner's STOKEN Address
20	(14)	ADDRESS	4	IEAVRPI2CURRENTSTOKENPTR	Current space's STOKEN Address
24	(18)	ADDRESS	4	IEAVRPI2STATEPTR	Address of PE's state
28	(1C)	ADDRESS	4	IEAVRPI2RELEASECODEPTR	Address of PE's release code if state is Released or Prereleased

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4APEPARMLIST	
0	(0)	ADDRESS	8	IEA4APERRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4APEAUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4APEPAUSEELEMENTTOKENPTR	Pause Element Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4DPEPARMLIST	
0	(0)	ADDRESS	8	IEA4DPERRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4DPEAUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4DPEPAUSEELEMENTTOKENPTR	Pause Element Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4PSEPARMLIST	
0	(0)	ADDRESS	8	IEA4PSERETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4PSEAUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4PSECURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
24	(18)	ADDRESS	8	IEA4PSEUPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
32	(20)	ADDRESS	8	IEA4PSERELEASECODE	Release Code Address Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4RLSPARMLIST	
0	(0)	ADDRESS	8	IEA4RLSRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4RLSAUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4RLSTARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	ADDRESS	8	IEA4RLSTARGETDURELEASECODE	Release Code Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4XFRPARMLIST	
0	(0)	ADDRESS	8	IEA4XFRRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4XFRAUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4XFRCURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
24	(18)	ADDRESS	8	IEA4XFRUPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
32	(20)	ADDRESS	8	IEA4XFRCURRENTDURELEASECODE	Release Code Address
40	(28)	ADDRESS	8	IEA4XFRTARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
48	(30)	ADDRESS	8	IEA4XFRTARGETDURELEASECODE	Release Code Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4RPIPARMLIST	
0	(0)	ADDRESS	8	IEA4RPIRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4RPIAUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4RPIPAUSEELEMENTTOKENPTR	Pause Element Token Address
24	(18)	ADDRESS	8	IEA4RPIAUTHORIZATIONPTR	PE creator's authority Address
32	(20)	ADDRESS	8	IEA4RPIOWNERPTR	PE owner's STOKEN Address
40	(28)	ADDRESS	8	IEA4RPISTATEPTR	Address of PE's state
48	(30)	ADDRESS	8	IEA4RPIRELEASECODEPTR	Address of PE's release code if state is Released or Prereleased

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4TPEPARMLIST	
0	(0)	ADDRESS	8	IEA4TPERRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4TPEPAUSEELEMENTTOKENPTR	Pause Element Token Address
16	(10)	ADDRESS	8	IEA4TPESTATEPTR	Address of PE's state
24	(18)	ADDRESS	8	IEA4TPERELEASECODEPTR	Address of PE's release code if state is Released or Prereleased

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4APE2PARMLIST	
0	(0)	ADDRESS	8	IEA4APE2RETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4APE2AUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4APE2PAUSEELEMENTTOKENPTR	Pause Element Token Address
24	(18)	ADDRESS	8	IEA4APE2PEOWNERSTOKENPTR	Pause Element Owner Stoken Address

IEAASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	ADDRESS	8	IEA4APE2OWNERTERMRELEASECODEPTR	Owner Termination Release Code Address
40	(28)	ADDRESS	8	IEA4APE2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4DPE2PARMLIST	
0	(0)	ADDRESS	8	IEA4DPE2RETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4DPE2PAUSEELEMENTTOKENPTR	Pause Element Token Address
16	(10)	ADDRESS	8	IEA4DPE2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4PSE2PARMLIST	
0	(0)	ADDRESS	8	IEA4PSE2RETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4PSE2CURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
16	(10)	ADDRESS	8	IEA4PSE2UPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
24	(18)	ADDRESS	8	IEA4PSE2RELEASECODE	Release Code Address Address
32	(20)	ADDRESS	8	IEA4PSE2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4RLS2PARMLIST	
0	(0)	ADDRESS	8	IEA4RLS2RETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4RLS1TARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
16	(10)	ADDRESS	8	IEA4RLS2TARGETDURELEASECODE	Release Code Address
24	(18)	ADDRESS	8	IEA4RLS2LINKAGEPTR	Linkage Address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEA4XFR2PARMLIST	
0	(0)	ADDRESS	8	IEA4XFR2RETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4XFR2CURRENTDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
16	(10)	ADDRESS	8	IEA4XFR2UPDATEDPAUSEELEMENTTOKENPTR	Updated Pause Element Token Address
24	(18)	ADDRESS	8	IEA4XFR2CURRENTDURELEASECODE	Release Code Address
32	(20)	ADDRESS	8	IEA4XFR2TARGETDUPAUSEELEMENTTOKENPTR	Pause Element Token Address
40	(28)	ADDRESS	8	IEA4XFR2TARGETDURELEASECODE	Release Code Address
48	(30)	ADDRESS	8	IEA4XFR2LINKAGEPTR	Linkage Address

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	IEA4RPI2PARMLIST	
0	(0)	ADDRESS	8	IEA4RPI2RETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	IEA4RPI2AUTHLEVELPTR	Auth Level Address
16	(10)	ADDRESS	8	IEA4RPI2PAUSEELEMENTTOKENPTR	Pause Element Token Address
24	(18)	ADDRESS	8	IEA4RPI2LINKAGEPTR	Linkage Address
32	(20)	ADDRESS	8	IEA4RPI2OWNERSTOKENPTR	PE owner's STOKEN Address
40	(28)	ADDRESS	8	IEA4RPI2CURRENTSTOKENPTR	Current space's STOKEN Address
48	(30)	ADDRESS	8	IEA4RPI2STATEPTR	Address of PE's state
56	(38)	ADDRESS	8	IEA4RPI2RELEASECODEPTR	Address of PE's release code if state is Released or Prereleased

IEAASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IEAVAPEAUTHLEVELPTR	4		IEAVPSE2CURRENTDUPAUSEELEMENTTOKENPTR	4	
IEAVAPEPARMLIST	0		IEAVPSE2LINKAGEPTR	10	
IEAVAPEPAUSEELEMENTTOKENPTR	8		IEAVPSE2PARMLIST	0	
IEAVAPERRETURNCODEPTR	0		IEAVPSE2RELEASECODE	C	
IEAVAPE2AUTHLEVELPTR	4		IEAVPSE2RETURNCODEPTR	0	
IEAVAPE2LINKAGEPTR	14		IEAVPSE2UPDATEDPAUSEELEMENTTOKENPTR	8	
IEAVAPE2OWNERTERMRELEASECODEPTR	10		IEAVRLSAUTHLEVELPTR	4	
IEAVAPE2PARMLIST	0		IEAVRLSPARMLIST	0	
IEAVAPE2PAUSEELEMENTTOKENPTR	8		IEAVRLSRETURNCODEPTR	0	
IEAVAPE2PEOWNERSTOKENPTR	C		IEAVRLSTARGETDUPAUSEELEMENTTOKENPTR	8	
IEAVAPE2RETURNCODEPTR	0		IEAVRLSTARGETDURELEASECODE	C	
IEAVDPEAUTHLEVELPTR	4		IEAVRLS1TARGETDUPAUSEELEMENTTOKENPTR	4	
IEAVDPEPARMLIST	0		IEAVRLS2LINKAGEPTR	C	
IEAVDPEPAUSEELEMENTTOKENPTR	8		IEAVRLS2PARMLIST	0	
IEAVDPERRETURNCODEPTR	0		IEAVRLS2RETURNCODEPTR	0	
IEAVDPE2LINKAGEPTR	8		IEAVRLS2TARGETDURELEASECODE	8	
IEAVDPE2PARMLIST	0		IEAVRPIAUTHLEVELPTR	4	
IEAVDPE2PAUSEELEMENTTOKENPTR	4		IEAVRPIAUTHORIZATIONPTR	C	
IEAVDPE2RETURNCODEPTR	0		IEAVRPIOWNERPTR	10	
IEAVPSEAUTHLEVELPTR	4		IEAVRPIPARMLIST	0	
IEAVPSECURRENTDUPAUSEELEMENTTOKENPTR	8		IEAVRPIPAUSEELEMENTTOKENPTR	8	
IEAVPSEPARMLIST	0		IEAVRPIRELEASECODEPTR	18	
IEAVPSERELEASECODE	10		IEAVRPIRETURNCODEPTR	0	
IEAVPSERETURNCODEPTR	0		IEAVRPISTATEPTR	14	
IEAVPSEUPDATEDPAUSEELEMENTTOKENPTR	C		IEAVRPI2AUTHLEVELPTR	4	

IEAASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IEAVRPI2CURRENTSTOKENPTR	14		IEA4APE2PAUSEELEMENTTOKENPTR	10	
IEAVRPI2LINKAGEPTR	C		IEA4APE2PEOWNERSTOKENPTR	18	
IEAVRPI2OWNERSTOKENPTR	10		IEA4APE2RETURNCODEPTR	0	
IEAVRPI2PARMLIST	0		IEA4DPEAUTHLEVELPTR	8	
IEAVRPI2PAUSEELEMENTTOKENPTR	8		IEA4DPEPARMLIST	0	
IEAVRPI2RELEASECODEPTR	1C		IEA4DPEPAUSEELEMENTTOKENPTR	10	
IEAVRPI2RETURNCODEPTR	0		IEA4DPERETURNCODEPTR	0	
IEAVRPI2STATEPTR	18		IEA4DPE2LINKAGEPTR	10	
IEAVTPEPARMLIST	0		IEA4DPE2PARMLIST	0	
IEAVTPEPAUSEELEMENTTOKENPTR	4		IEA4DPE2PAUSEELEMENTTOKENPTR	8	
IEAVTPERELEASECODEPTR	C		IEA4DPE2RETURNCODEPTR	0	
IEAVTPERETURNCODEPTR	0		IEA4PSEAUTHLEVELPTR	8	
IEAVTPESTATEPTR	8		IEA4PSECURRENTDUPAUSEELEMENTTOKENPTR	10	
IEAVXFRAUTHLEVELPTR	4		IEA4PSEPARMLIST	0	
IEAVXFRCURRENTDUPAUSEELEMENTTOKENPTR	8		IEA4PSERELEASECODE	20	
IEAVXFRCURRENTDURELEASECODE	10		IEA4PSERETURNCODEPTR	0	
IEAVXFRPARMLIST	0		IEA4PSEUPDATEDPAUSEELEMENTTOKENPTR	18	
IEAVXFRRETURNCODEPTR	0		IEA4PSE2CURRENTDUPAUSEELEMENTTOKENPTR	8	
IEAVXFRTARGETDUPAUSEELEMENTTOKENPTR	14		IEA4PSE2LINKAGEPTR	20	
IEAVXFRTARGETDURELEASECODE	18		IEA4PSE2PARMLIST	0	
IEAVXFRUPDATEDPAUSEELEMENTTOKENPTR	C		IEA4PSE2RELEASECODE	18	
IEAVXFR2CURRENTDUPAUSEELEMENTTOKENPTR	4		IEA4PSE2RETURNCODEPTR	0	
IEAVXFR2CURRENTDURELEASECODE	C		IEA4PSE2UPDATEDPAUSEELEMENTTOKENPTR	10	
IEAVXFR2LINKAGEPTR	18		IEA4RLSAUTHLEVELPTR	8	
IEAVXFR2PARMLIST	0		IEA4RLSPARMLIST	0	
IEAVXFR2RETURNCODEPTR	0		IEA4RLSRETURNCODEPTR	0	
IEAVXFR2TARGETDUPAUSEELEMENTTOKENPTR	10		IEA4RLSTARGETDUPAUSEELEMENTTOKENPTR	10	
IEAVXFR2TARGETDURELEASECODE	14		IEA4RLSTARGETDURELEASECODE	18	
IEAVXFR2UPDATEDPAUSEELEMENTTOKENPTR	8		IEA4RLS1TARGETDUPAUSEELEMENTTOKENPTR	8	
IEA4APEAUTHLEVELPTR	8		IEA4RLS2LINKAGEPTR	18	
IEA4APEPARMLIST	0		IEA4RLS2PARMLIST	0	
IEA4APEPAUSEELEMENTTOKENPTR	10		IEA4RLS2RETURNCODEPTR	0	
IEA4APERETURNCODEPTR	0		IEA4RLS2TARGETDURELEASECODE	10	
IEA4APE2AUTHLEVELPTR	8		IEA4RPIAUTHLEVELPTR	8	
IEA4APE2LINKAGEPTR	28		IEA4RPIAUTHORIZATIONPTR	18	
IEA4APE2OWNERTERMRELEASECODEPTR	20		IEA4RPIOWNERPTR	20	
IEA4APE2PARMLIST	0		IEA4RPIPARMLIST	0	

Name	Hex Offset	Hex Value
IEA4RPIPAUSEELEMENTTOKENPTR	10	
IEA4RPIRELEASECODEPTR	30	
IEA4RPIRETURNCODEPTR	0	
IEA4RPISTATEPTR	28	
IEA4RPI2AUTHLEVELPTR	8	
IEA4RPI2CURRENTSTOKENPTR	28	
IEA4RPI2LINKAGEPTR	18	
IEA4RPI2OWNERSTOKENPTR	20	
IEA4RPI2PARMLIST	0	
IEA4RPI2PAUSEELEMENTTOKENPTR	10	
IEA4RPI2RELEASECODEPTR	38	
IEA4RPI2RETURNCODEPTR	0	
IEA4RPI2STATEPTR	30	
IEA4TPEPARMLIST	0	
IEA4TPEPAUSEELEMENTTOKENPTR	8	
IEA4TPERELEASECODEPTR	18	
IEA4TPERRETURNCODEPTR	0	
IEA4TPESTATEPTR	10	
IEA4XFRAUTHLEVELPTR	8	
IEA4XFRCURRENTDUPAUSEELEMENTTOKENPTR	10	
IEA4XFRCURRENTDURELEASECODE	20	
IEA4XFRPARMLIST	0	
IEA4XFRRETURNCODEPTR	0	
IEA4XFRTARGETDUPAUSEELEMENTTOKENPTR	28	
IEA4XFRTARGETDURELEASECODE	30	
IEA4XFRUPDATEDPAUSEELEMENTTOKENPTR	18	
IEA4XFR2CURRENTDUPAUSEELEMENTTOKENPTR	8	
IEA4XFR2CURRENTDURELEASECODE	18	
IEA4XFR2LINKAGEPTR	30	
IEA4XFR2PARMLIST	0	
IEA4XFR2RETURNCODEPTR	0	
IEA4XFR2TARGETDUPAUSEELEMENTTOKENPTR	20	
IEA4XFR2TARGETDURELEASECODE	28	
IEA4XFR2UPDATEDPAUSEELEMENTTOKENPTR	10	

IEAMSYMP Information

IEAMSYMP Programming Interface information

Programming Interface information

IEAMSYMP

End of Programming Interface information

IEAMSYMP Heading Information • IEAMSYMP Map

IEAMSYMP Heading Information

Common Name: Static Symbol Service Parameter List
Macro ID: IEAMSYMP
DSECT Name: Caller supplied
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: SYMP
 Offset: 0
 Length: 4
Storage Attributes: Residency: At direction of caller
Size: 128 bytes
Created by: Caller
Pointed to by: Invocation dependant
Serialization: None
Function: IEAMSYMP contains the mapping of the parameters used for communication between IPCS exits and the Static Symbol Service Parameter List.

IEAMSYMP 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	SYMP	, IPCS name service parameter list
0	(0)	CHARACTER	1	SYMP000 (0)	Begin IEAMSYMP
0	(0)	CHARACTER	6	SYMPID (0)	Static Symbol service parameter identifier
0	(0)	CHARACTER	4	SYMPIDC	SYMP acronym
4	(4)	CHARACTER	1	SYMPIDL	SYMP level indicator
5	(5)	CHARACTER	1		Reserved
6	(6)	CHARACTER	2		Reserved
8	(8)	CHARACTER	8	SYMPMODN	The name of the module requesting the service
16	(10)	CHARACTER	8	SYMPSYMBOL	The input SYMBOL to be translated.
24	(18)	CHARACTER	12		Reserved
36	(24)	BITSTRING	2	SYMPFFLG (0)	Processing flags
36	(24)	BITSTRING	1	SYMPFFL1	First byte of flags (input)
		1...		SYMPFNOT	"BIT0" No output requested Set by caller, not housekept
37	(25)	BITSTRING	1	SYMPFFL2	Second byte of flags (output)
		1...		SYMPSYMBOLNOTFOUND	"BIT0" Requested Symbol not found
		.1.		SYMPSYSTEMDEFINED	"BIT1" System defined symbol
		..1.		SYMPMISSINGSTORAGE	"BIT2" Missing storage
		...1		SYMPLOGICALERROR	"BIT3" Logical Error In Data
38	(26)	CHARACTER	10	SYMPSTEXT	The output Subtext
48	(30)	CHARACTER	12		Reserved
60	(3C)	SIGNED	4	SYMPSTEXTLENGTH	Length of Subtext
64	(40)	SIGNED	4	SYMPSYMBOLNUMBER	Position of symbol in Table
68	(44)	SIGNED	4	SYMPTOTALSYMBOLS	Total number of symbols in Table
72	(48)	ADDRESS	4	SYMPRBAD	Reference Block Address
76	(4C)	BITSTRING	52		Reserved
128	(80)	CHARACTER	1	SYMP999 (0)	End IEAMSYMP

IEAMSYMP 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
SYMP	0	
SYMPFNOT	24	80
SYMPID	0	
SYMPIDC	0	E2E8D4D7
SYMPIDL	4	F1
SYMPLOGICALERROR		
	25	10
SYMPMISSINGSTORAGE		
	25	20
SYMPMODN	8	40404040
SYMPFFLG	24	
SYMPFFL1	24	0
SYMPFFL2	25	0
SYMPRBAD	48	
SYMPSTEXT	26	40404040
SYMPSTEXTLENGTH		
	3C	0
SYMPSYMBOL	10	40404040
SYMPSYMBOLNOTFOUND		
	25	80
SYMPSYMBOLNUMBER		
	40	0
SYMPSYSTEMDEFINED		
	25	40
SYMPTOTALSYMBOLS		
	44	0
SYMP000	0	
SYMP999	80	

IEANTASM Information

IEANTASM Programming Interface information

Programming Interface information

IEANTASM

End of Programming Interface information

IEANTASM Heading Information • IEANTASM Map

IEANTASM Heading Information

Common Name: Name/Token Service Assembler Declares
Macro ID: IEANTASM
DSECT Name: N/A
Owning Component: Supervisor Control (SC1C5)
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
 Data Space: N/A
 Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: IEANTASM defines types, related constants, and external entry declarations for the use of Name Token/Services from 390 Assembly Language

IEANTASM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	IEANT_TASK_LEVEL	"1"
0	(0)	X'2'	0	IEANT_HOME_LEVEL	"2"
0	(0)	X'3'	0	IEANT_PRIMARY_LEVEL	"3"
0	(0)	X'4'	0	IEANT_SYSTEM_LEVEL	"4"
0	(0)	X'B'	0	IEANT_TASKAUTH_LEVEL	"11"
0	(0)	X'C'	0	IEANT_HOMEAUTH_LEVEL	"12"
0	(0)	X'D'	0	IEANT_PRIMARYAUTH_LEVEL	"13"
Comment					
Name/Token Persistence					
End of Comment					
0	(0)	X'0'	0	IEANT_NOPERSIST	"0"
0	(0)	X'1'	0	IEANT_PERSIST	"1"
Comment					
Name/Token Checkpoint					
End of Comment					
0	(0)	X'0'	0	IEANT_NOCHECKPOINT	"0"
0	(0)	X'2'	0	IEANT_CHECKPOINTOK	"2"
Comment					
Service Return Codes					
End of Comment					
0	(0)	X'0'	0	IEANT_OK	"0"
0	(0)	X'4'	0	IEANT_DUP_NAME	"4"
0	(0)	X'4'	0	IEANT_NOT_FOUND	"4"
0	(0)	X'8'	0	IEANT_24BITMODE	"4"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	X'10'	0	IEANT_NOT_AUTH	"8"
0	(0)	X'14'	0	IEANT_SRB_MODE	"16"
0	(0)	X'18'	0	IEANT_LOCK_HELD	"20"
0	(0)	X'1C'	0	IEANT_LEVEL_INVALID	"24"
0	(0)	X'20'	0	IEANT_NAME_INVALID	"28"
0	(0)	X'24'	0	IEANT_PERSIST_INVALID	"32"
0	(0)	X'28'	0	IEANT_AR_INVALID	"36"
0	(0)	X'2C'	0	IEANT_NOT_AMODE64	"40"
0	(0)	X'40'	0	IEANT_UNEXPECTED_ERR	"44"
					"64"

Comment

End of Name/Token Services Include

End of Comment

IEANTASM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IEANT_AR_INVALID	0	28	IEANT_UNEXPECTED_ERR	0	40
IEANT_CHECKPOINTOK	0	2	IEANT_24BITMODE	0	8
IEANT_DUP_NAME	0	4			
IEANT_HOME_LEVEL	0	2			
IEANT_HOMEAUTH_LEVEL	0	C			
IEANT_LEVEL_INVALID	0	1C			
IEANT_LOCK_HELD	0	18			
IEANT_NAME_INVALID	0	20			
IEANT_NOCHECKPOINT	0	0			
IEANT_NOPERSIST	0	0			
IEANT_NOT_AMODE64	0	2C			
IEANT_NOT_AUTH	0	10			
IEANT_NOT_FOUND	0	4			
IEANT_OK	0	0			
IEANT_PERSIST	0	1			
IEANT_PERSIST_INVALID	0	24			
IEANT_PRIMARY_LEVEL	0	3			
IEANT_PRIMARYAUTH_LEVEL	0	D			
IEANT_SRB_MODE	0	14			
IEANT_SYSTEM_LEVEL	0	4			
IEANT_TASK_LEVEL	0	1			
IEANT_TASKAUTH_LEVEL	0	B			

IECDPIRL Information

IECDPIRL Programming Interface information

Programming Interface information

IECDPIRL

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

- PIRCNT
- PIRDVRU
- PIROPT
- PIRRSTR

End of Programming Interface information

IECDPIRL Heading Information • IECDPIRL Map

IECDPIRL Heading Information

Common Name: Purge I/O Restore List
Macro ID: IECDPIRL
DSECT Name: PIRL
Owning Component: IOS (SC1C3)
Eye-Catcher ID: 'PRL'
 Offset: PIRLTAIL +0
 Length: 3
Storage Attributes: Subpool: 254
 Key: 0
 Residency: Below 16M
Size: Variable. Depends on the number of entries.
 PIRLHEAD -- X'0004' bytes
 PIRLENT -- X'0008' bytes per entry
 PIRLTAIL -- X'000C' bytes
Created by: IOS Purge Processing
Pointed to by: IPIBPIRL field of the IPIB
 DEBUSRPG field of the IEZDEB data area.
 ASXBPIRL field of the ASXB data area.
 PIRLNEXT field of the PIRL data area.
Serialization: Local Lock
Function: Describes the purged I/O restore list used by the
 I/O purge services. For use with EXCP.

IECDPIRL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PIRL	
0	(0)	CHARACTER	4	PIRLHEAD (0)	Header
0	(0)	BITSTRING	1	PIROPT	Restore option byte
1	(1)	BITSTRING	1	PIRCNT	Number of PIRRSTR entries
2	(2)	SIGNED	2		Reserved - must be 0
4	(4)	CHARACTER	8	PIRLENT (0)	PIRL entries. PIRCNT contains the number of entries
4	(4)	ADDRESS	4	PIRRSTR	Pointer to I/O Request list for each IOS driver
8	(8)	ADDRESS	4	PIRDVRU	Pointer to additional information the driver maintains to insure the proper restoration of its queue of requests (E.G. protect keys, TCB addresses, etc)
12	(C)	CHARACTER	1	PIREND (0)	End of PIRL
12	(C)	X'C'	0	PIRL_LEN	"*-PIRL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PIRLTAIL	PIRL tail
0	(0)	CHARACTER	3	PIRLEYE	Eyecatcher
3	(3)	BITSTRING	1	PIRLCNT	Copy of PIRLCNT
4	(4)	ADDRESS	4	PIRLNEXT	Pointer to next PIRL on the queue
8	(8)	ADDRESS	4	PIRLTCB	Task associated with this PIRL

Comment

PIROPT bit definitions

End of Comment

1...	PIROTCB	"X'80" Restore request to the originating TCB instead of the restoring TCB
.1..	PIRSUPCK	"X'40" Do TCB validity check regardless of the state of the caller

Comment

PIRL Constants

End of Comment

8	(8)	X'D7D9D3'	0	PIRLEYEC	"C'PRL'" Eyecatcher for PIRLEYE
8	(8)	X'8'	0	PIRENTL	"8" Length of a PIRL entry
8	(8)	X'C'	0	PIRLTAIL_LEN	"*-PIRLTAIL"

IECDPIRL Cross Reference

Name	Hex Offset	Hex Value
PIRCNT	1	
PIRDVRU	8	
PIREND	C	
PIRENTL	8	8
PIRL	0	
PIRL_LEN	C	C
PIRLNT	4	
PIRLEYE	0	
PIRLEYEC	8	D7D9D3
PIRLHEAD	0	
PIRLNEXT	4	
PIRLTAIL	0	
PIRLTAIL_LEN	8	C
PIRLTCB	8	
PIRLCNT	3	
PIROPT	0	
PIROTCB	8	80
PIRRSTR	4	
PIRSUPCK	8	40

IECDPPL Information

IECDPPL Programming Interface information

Programming Interface information

IECDPPL

End of Programming Interface information

IECDPPL Heading Information • IECDPPL Map

IECDPPL Heading Information

Common Name: Purge Parameter List
Macro ID: IECDPPL
DSECT Name: PPL
Owning Component: IOS (SC1C3)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller
 Key: Key of Caller
 Residency: Above or Below
Size: 16 bytes
Created by: Issuers of the PURGE macro
Pointed to by: N/A
Serialization: None
Function: This DSECT describes the control block containing all the information necessary to do I/O purging (both halt and quiesce requests).

IECDPPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	PPL	
0	(0)	SIGNED	4	PPLDSID (0)	SAME COMMENTS AS PPLDSIDA
0	(0)	BITSTRING	1	PPLOPT1	OPTION BYTE ONE
		1...		PPLDS	"X'80" IF DSID PURGE REQUESTED (BIT 6), PURGE A SINGLE DSID (SEE PPLDSID). IF ZERO, DSID LIST PURGE.
		.1..		PPLPOST	"X'40" ECBS ASSOCIATED WITH THE I/O REQUESTS PURGED SHOULD BE POSTED WITH X'48'
		..1.		PPLHIO	"X'20" HALT THE I/O REQUESTS AND DO NOT BUILD A PIRL.
		...1		PPLREL	"X'10" PURGE ONLY THE I/O REQUESTS MARKED RELATED AND ASSOC WITH THE ARGUMENT
		.... 1...		PPLNPPL	"X'08" INDICATOR THAT NEW PPL IS BEING USED AND THUS SHOULD BE ZERO
		.... .1..		PPLRB	"X'04" DO NOT PURGE THE RB CHAIN FOR ASYNCHRONOUSLY SCHEDULED ROUTINES
		.... ..1.		PPLTASK	"X'02" IF ASID PURGE IS NOT SPECIFIED PURGE A SINGLE TCB
		.... ...1		PPLEXR	"X'01" OPTION BYTE 2 IS PRESENT AND CONTAINS VALID INFORMATION
1	(1)	ADDRESS	3	PPLDSIDA	3 BYTE POINTER TO DSID ARG. IT MUST POINT TO A CONTROL BLOCK THAT HAS THE FOLLOWING FIELDS: MINUS 2 - TWO BYTE DSID VALIDITY INDEX PLUS 5 - THREE BYTE ADDRESS OF NEXT DSID OR ZERO
4	(4)	SIGNED	4	PPLTCB (0)	ADDRESS OF TCB TO BE USED TO FIND THE I/O REQUESTS IF NO SUPPLIED, THE CURRENT TCB ADDRESS WILL BE USED.
4	(4)	BITSTRING	1	PPLCC	PURGE COMPLETION CODE '7F' SUCCESSFUL COMPLETION '40' UNSUCCESSFUL COMPLETION SEE REG 15 FOR DETAILS NOTE: ALWAYS '7F' IF PPLEXR=0.
5	(5)	ADDRESS	3	PPLTCBA	SEE DESCRIPTION FOR PPLTCB USED TO FIND THE I/O REQUESTS IF NOT SUPPLIED, THE CURRENT TCB ADDRESS WILL BE USED.
8	(8)	SIGNED	4	PPLPIRL (0)	3 BYTE ADDRESS OF THE ANCHOR FROM WHICH THE PURGED I/O REQUEST LIST WILL BE CHAINED.
8	(8)	BITSTRING	1	PPLDVRID	DRIVER ID -- REQUIRED DCRR 21082 FOR DSID PURGE REQUESTS DCRR 21082 DEFAULT VALUE OF X'00' DCRR 21082 IMPLIES EXCP IS OWNER DCRR 21082
9	(9)	ADDRESS	3	PPLPIRLA	SEE DESCRIPTION FOR PPLPIRL
12	(C)	BITSTRING	1	PPLOPT2	OPTION BYTE 2. OPTIONALLY PRESENT DEPENDING ON BIT 7 OF OPTION BYTE 1.
		1...		PPLCAN	"X'80" CANCEL COMMAND REQUEST BYPASS SMGR CALL
		..1.		PPLMEM	"X'20" ASID PURGE SPECIFIED. THIS OPTION MAY BE SPECIFIED ONLY BY A REQUESTOR THAT IS IN SUPERVISOR STATE.
		...1		PPLVC	"X'10" BYPASS VALIDITY CHECK 0 - BYPASS VALIDITY CHECK - SUPERVISOR STATE ONLY 1 - VALIDITY CHECK
		.... 1...		PPLOTCB	"X'08" PURGE ALL REQUESTS SO THAT WHEN RESTORED THEY CAN BE ASSOCIATED WITH THE TCB THAT ORIGINATED THEM.
		.... .1..		PPLTSKM	"X'04" PURGE CALLED BY TASK TERMINATION. IF QUIESCE OPTION AND ANY I/O REQUESTS ENCOUNTERED, PURGE WILL NOT ISSUE WAIT.
		.... ..1.		PPLBSS	"X'02" BYPASS STATUS START SRB - VALID ONLY FOR RCT CALL FOR MEMORY SWAP
		.... ...1		PPLUCB	"X'01" PURGE DSID BY UCB ONLY WHEN THIS BIT IS ON ONLY REQUESTS FOR SPECIFIED UCB WILL BE PURGED.
13	(D)	BITSTRING	1		RESERVED AND SHOULD BE ZERO
14	(E)	SIGNED	2	PPLASID (0)	ASID OF ADDRESS SPACE TO WHICH I/O REQUESTS ARE ASSOCIATED.
14	(E)	SIGNED	2	PPLOFSET	OFFSET OF UCB WITHIN THE DEB FOR PURGE BY UCB ONLY.

IECDPPL Cross Reference

Name	Hex Offset	Hex Value
PPL	0	
PPLASID	E	
PPLBSS	C	2
PPLCAN	C	80
PPLCC	4	
PPLDS	0	80
PPLDSID	0	
PPLDSIDA	1	
PPLDVRID	8	
PPLXR	0	1
PPLHIO	0	20
PPLMEM	C	20
PPLNPPL	0	8
PPLOFSET	E	
PPLOPT1	0	
PPLOPT2	C	
PPLOTCB	C	8
PPLPIRL	8	
PPLPIRLA	9	
PPLPOST	0	40
PPLRB	0	4
PPLREL	0	10
PPLTASK	0	2
PPLTCB	4	
PPLTCBA	5	
PPLTSKM	C	4
PPLUCB	C	1
PPLVC	C	10

IECDRQEX Information

IECDRQEX Heading Information

Common Name: RQEX - EXCP Request Queue Element Extension
Macro ID: IECDRQEX
DSECT Name: RQEX
Owning Component: Execute Channel Program Processor (SC1C6)
Eye-Catcher ID: RQEX
 Offset: 0
 Length: 4
Storage Attributes: Key: 0
Size: 40 bytes
Created by: IECVEXCP
Pointed to by: User defined
Serialization: None
Function: This DSECT describes the control block used as an extension to the request queue element (RQE). With the RQE, this control block contains all the information necessary to initiate and terminate I/O requests within the EXCP processor.

IECDRQEX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	RQEX	EXCP Request Queue Element Extension.
0	(0)	CHARACTER	4	RQEXID	Eye catcher RQEX.
4	(4)	UNSIGNED	1	RQEXVERN	Version number.
5	(5)	CHARACTER	3	*	Reserved.
8	(8)	ADDRESS	4	RQEXCPSE	Address of the channel program scan exit.
12	(C)	ADDRESS	4	RQEXXCPS	Address of the channel program scan exit data area (XCPS).
16	(10)	ADDRESS	4	RQEXFIX	Address of the fix list returned by the page fix appendage for EXCPVR requests. Valid only if RQEFIXST is on. If the high order bit is on, a page fix or page free is in progress.
		1...		RQEX_FIXFREE_INPROG	A page fix or page free request is in progress
20	(14)	UNSIGNED	4	RQEXTSV1	Temporary save area
24	(18)	CHARACTER	16	*	Reserved.

IECDRQEX Constants

Len	Type	Value	Name	Description
4	CHARACTER	RQEX	RQEXIDC	Eye catcher constant.
1	DECIMAL		RQEXVERC	Version number constant.
1	DECIMAL		RQEXLNTH	Length constant.

IECDRQEX Cross Reference

Name	Hex Offset	Hex Value
RQEX	0	
RQEX_FIXFREE_INPROG	10	80
RQEXCPSE	8	
RQEXFIX	10	
RQEXID	0	
RQEXTSV1	14	
RQEXVERN	4	
RQEXXCPS	C	

IEDB Information

IEDB Programming Interface information

Programming Interface information

IEDB

End of Programming Interface information

IEDB Heading Information • IEDB Map

IEDB Heading Information

Common Name: I/O Error Data Block
Macro ID: IOSDIEDB
DSECT Name: IOSDIEDB
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: IEDB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: User
 Key: User
 Data Space: No
 Residency: Any
Size: 48 or 96 bytes
Created by: Issuer of EXCP or STARTIO
Pointed to by: IOBEIEDB for EXCP or STARTIO
Serialization: None
Function: The IEDB is an optional control block used by users of EXCP or of the I/O driver interface. EXCP uses this block to save error data related to an EXCP request. This data is obtained from the ERP Work Area (EWA). I/O drivers may use this for the same reason, i.e., to save data from one exit to another even after the EWA has been freed. However, like EXCP, the I/O driver's normal or abnormal exit is expected to set the data in this field from the EWA. IOS does not provide this data for the user.
 The IEDB can be either 48 or 96 bytes in length. If a 48 byte IEDB is provided, the version number must be set to one (IEDBVRSC). If a 96 byte IEDB is provided, the version number must be set to two (IEDBVRSC2).

IEDB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IEDB	I/O Error Data Block
0	(0)	CHARACTER	4	IEDBID	Eye catcher. Must be IEDB.
4	(4)	BITSTRING	1	IEDBVERS	Version number.
5	(5)	BITSTRING	1	IEDBFLG1	Flags field.
		1...		IEDBBDSN	"X'80" The sense data was determined to be invalid and contains '10FE'x.
		.1..		IEDBFSAV	"X'40" The failing storage address in IEDBFSA is valid

Comment

EQU X'20' Reserved
 EQU X'10' Reserved
 EQU X'08' Reserved
 EQU X'04' Reserved
 EQU X'02' Reserved
 EQU X'01' Reserved

End of Comment

6	(6)	CHARACTER	1	IEDBCOD	I/O completion code field. This is the original completion code prior to EXCP changing it.
7	(7)	CHARACTER	1		Reserved.
8	(8)	CHARACTER	32	IEDBSNS (0)	Sense data.
8	(8)	CHARACTER	1	IEDBSN00	Sense byte 0.
9	(9)	CHARACTER	1	IEDBSN01	Sense byte 1.
10	(A)	CHARACTER	1	IEDBSN02	Sense byte 2.
11	(B)	CHARACTER	1	IEDBSN03	Sense byte 3.
12	(C)	CHARACTER	1	IEDBSN04	Sense byte 4.
13	(D)	CHARACTER	1	IEDBSN05	Sense byte 5.
14	(E)	CHARACTER	1	IEDBSN06	Sense byte 6.
15	(F)	CHARACTER	1	IEDBSN07	Sense byte 7.
16	(10)	CHARACTER	1	IEDBSN08	Sense byte 8.
17	(11)	CHARACTER	1	IEDBSN09	Sense byte 9.
18	(12)	CHARACTER	1	IEDBSN10	Sense byte 10.
19	(13)	CHARACTER	1	IEDBSN11	Sense byte 11.
20	(14)	CHARACTER	1	IEDBSN12	Sense byte 12.
21	(15)	CHARACTER	1	IEDBSN13	Sense byte 13.
22	(16)	CHARACTER	1	IEDBSN14	Sense byte 14.
23	(17)	CHARACTER	1	IEDBSN15	Sense byte 15.
24	(18)	CHARACTER	1	IEDBSN16	Sense byte 16.
25	(19)	CHARACTER	1	IEDBSN17	Sense byte 17.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
26	(1A)	CHARACTER	1	IEDBSN18	Sense byte 18.
27	(1B)	CHARACTER	1	IEDBSN19	Sense byte 19.
28	(1C)	CHARACTER	1	IEDBSN20	Sense byte 20.
29	(1D)	CHARACTER	1	IEDBSN21	Sense byte 21.
30	(1E)	CHARACTER	1	IEDBSN22	Sense byte 22.
31	(1F)	CHARACTER	1	IEDBSN23	Sense byte 23.
32	(20)	CHARACTER	1	IEDBSN24	Sense byte 24.
33	(21)	CHARACTER	1	IEDBSN25	Sense byte 25.
34	(22)	CHARACTER	1	IEDBSN26	Sense byte 26.
35	(23)	CHARACTER	1	IEDBSN27	Sense byte 27.
36	(24)	CHARACTER	1	IEDBSN28	Sense byte 28.
37	(25)	CHARACTER	1	IEDBSN29	Sense byte 29.
38	(26)	CHARACTER	1	IEDBSN30	Sense byte 30.
39	(27)	CHARACTER	1	IEDBSN31	Sense byte 31.
40	(28)	CHARACTER	4		Reserved for future CSW expansion
44	(2C)	SIGNED	4	IEDB2CSW	If the I/O requestor allowed prefetching of CCWs and data (IOBEP/IOSP) and specified that it wants to see both the channel and CU ending CCW address for errors that occur when the CU executes ahead of the channel and the 2nd CCW address is valid, this field contains the virtual CCW address of the last CCW executed by the control unit
44	(2C)	X'30'	0	IEDBEND	*** End of version 1 IEDB
44	(2C)	X'30'	0	IEDBLNTH	"IEDBEND-IEDB" Length of version 1 IEDB
48	(30)	SIGNED	4	IEDB2 (0)	Start of version 2 IEDB
48	(30)	BITSTRING	8	IEDBFSA (0)	Failing storage address (FSA)
48	(30)	SIGNED	4	IEDBFSAH	High order word of FSA
52	(34)	SIGNED	4	IEDBFSA L	Low order word of FSA
56	(38)	BITSTRING	40	IEDB2RSV	Reserved
56	(38)	X'60'	0	IEDB2END	*** End of version 2 IEDB
56	(38)	X'60'	0	IEDB2LEN	"IEDB2END-IEDB" Length of version 2 IEDB
56	(38)	X'1'	0	IEDBVRSC	"1" Version number 1
56	(38)	X'2'	0	IEDBVRS2	"2" Version number 2

IEDB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IEDB	0		IEDBSN25	21	
IEDBBDSN	5	80	IEDBSN26	22	
IEDBCOD	6		IEDBSN27	23	
IEDBEND	2C	30	IEDBSN28	24	
IEDBFLG1	5		IEDBSN29	25	
IEDBFSA	30		IEDBSN30	26	
IEDBFSAH	30		IEDBSN31	27	
IEDBFSA L	34		IEDBVERS	4	
IEDBFSAV	5	40	IEDBVRSC	38	1
IEDBID	0		IEDBVRS2	38	2
IEDBLNTH	2C	30	IEDB2	30	
IEDBSNS	8		IEDB2CSW	2C	
IEDBSN00	8		IEDB2END	38	60
IEDBSN01	9		IEDB2LEN	38	60
IEDBSN02	A		IEDB2RSV	38	
IEDBSN03	B				
IEDBSN04	C				
IEDBSN05	D				
IEDBSN06	E				
IEDBSN07	F				
IEDBSN08	10				
IEDBSN09	11				
IEDBSN10	12				
IEDBSN11	13				
IEDBSN12	14				
IEDBSN13	15				
IEDBSN14	16				
IEDBSN15	17				
IEDBSN16	18				
IEDBSN17	19				
IEDBSN18	1A				
IEDBSN19	1B				
IEDBSN20	1C				
IEDBSN21	1D				
IEDBSN22	1E				
IEDBSN23	1F				
IEDBSN24	20				

IEEMRCPT Information

IEEMRCPT Programming Interface information

Programming Interface information

IEEMRCPT

End of Programming Interface information

IEEMRCPT Heading Information • IEEMRCPT Map

IEEMRCPT Heading Information

Common Name: Reconfiguration Pointer Table
Macro ID: IEEMRCPT
DSECT Name: RCPT
Owning Component: MP reconfiguration (SC1CZ)
Eye-Catcher ID: RCPT
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Size: 832 bytes
Created by: IEEVCPRA
Pointed to by: CSDRCPT field of the CSD data area.
Serialization: None
Function: Contains the addresses for the LCCA, LCCX and PCCA for each CPU configured offline by WLM.

IEEMRCPT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCPT	
0	(0)	CHARACTER	4	RCPTRCPT	Eye catcher RCPT
4	(4)	CHARACTER	60		Reserved
64	(40)	BITSTRING	1	RCPT_ARRAY (0)	Array of data associated with CPUs

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	RCPT_VT	Addresses of LCCA, LCCX and PCCA for CPUs 1 to CVTMAXMP+1
0	(0)	ADDRESS	4	RCPT_LCCA	LCCA pointer
4	(4)	ADDRESS	4	RCPT_LCCX	LCCX pointer
8	(8)	ADDRESS	4	RCPT_PCCA	PCCA pointer

IEESMCX Information

IEESMCX Heading Information

Common Name: SMF CONTROL TABLE EXTENSION
Macro ID: IEESMCX
DSECT Name: SMCX
Owning Component: SYSTEM MANAGEMENT FACILITIES (SC100)
Eye-Catcher ID: "SMCX"
 Offset: 0 ('0' in hex)
 Length: 4 bytes
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above
Size: 128 bytes ('80' in hex)
 FREQUENCY = 1 per MVS system
Created by: IFASTART
Pointed to by: SMCASMCX
Serialization: None
Function: Extended communications area used to hold data by SMF or other MVS components

IEESMCX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	184	SMCX	
0	(0)	CHARACTER	4	SMCXID	SMCX CONTROL BLOCK ID - "SMCX"
4	(4)	SIGNED	2	SMCXLVL	SMCX CONTROL BLOCK LEVEL INDICATOR
6	(6)	SIGNED	2	SMCXLEN	SMCX CONTROL BLOCK LENGTH
8	(8)	CHARACTER	8	SMCXINTV	GLOBAL INTERVAL VALUE (TOD FORMAT)
16	(10)	CHARACTER	8	SMCXSYNV	GLOBAL INTERVAL SYNC VALUE (TOD FORMAT)
24	(18)	CHARACTER	2	SMCXINTP	INTVAL PARM VALUE (CHARACTER FORMAT)
26	(1A)	CHARACTER	2	SMCXSYNP	SYNCVAL PARM VALUE (CHARACTER FORMAT)
28	(1C)	CHARACTER	8	SMCXINTE	TOD FORMAT OF THE NEXT SCHEDULED GLOBAL SYNCHED INTERVAL EXPIRATION
36	(24)	ADDRESS	4	SMCXINTT	POINTER TO THE GLOBAL INTERVAL TQE
40	(28)	ADDRESS	4	SMCXENFP	POINTER TO ENF PARAMETER LIST AREA
44	(2C)	ADDRESS	4	SMCXDFRQ	ADDRESS OF THE DEFERRED INTERVAL STQE CHAIN
48	(30)	ADDRESS	4	SMCX824A	Address of IEEMB824
52	(34)	CHARACTER	4	SMCXBIT1	BIT INDICATOR MASK (WORD 1)
		1...		SMCXSPDB	SYNC PROCESSING DISABLED INDICATOR
		.1.		SMCXEXCP	SUPPRESS EMPTY EXCP FLAG
		.1.		SMCXWFLD	1-IFALSWTR is currently performing SMF Flood Automation processing
		...1		SMCXRFER	1-No successful flood policy updates have been made since the last failure
		.... 1..		SMCXFTST	1-SMF Record flooding has been disabled due to errors
		.... .1..		SMCXPCPC	Processor capacity change
56	(38)	ADDRESS	4	SMCXEXPT	ADDRESS OF INTXPT RTN IN IEEMB839
60	(3C)	ADDRESS	4	SMCX839A	POINTER TO IEEMB839 WORK AREA

Comment

Variables Used to Process MEMLIMIT Keyword in IEEMB821

End of Comment

64	(40)	CHARACTER	8	SMCXMEML	MEMLIMIT converted to M-BYTES in HEX
72	(48)	CHARACTER	6	SMCXMEM	MEMLIMIT in EBCDIC
72	(48)	CHARACTER	5	SMCXMEMD	First 5 characters of MEMLIMIT as entered in SMFPRMxx - digits 0-9
77	(4D)	CHARACTER	1	SMCXMEMU	Last character of MEMLIMIT - units M, G, T or P as entered in SMFPRMxx
78	(4E)	SIGNED	2	SMCX_SPEEDCHANGSEQ#	Used to tell if end-interval processing needs to be done due to a concurrent speed-change that occurred
80	(50)	ADDRESS	4	SMCXFLDTPTR	SMF Flood Table pointer to IFAPCWTR
84	(54)	ADDRESS	4	SMCXPCWT	pointer to IFAPCWTR
88	(58)	CHARACTER	1	SMCXLSBT	Log Stream bits
		1...		SMCXLSDS	1-LogStream or 0-ManX/Y output 0 - if RECORDING(DATASET) parameter is processed 1 - if RECORDING(LOGSTREAM) parameter is processed
		.1.		SMCX_LOGGER_RESTARTED	ON indicates that Logger has restarted after having been unavailable. Set to ON by IFALSENF, set to OFF by IFALSMOD.

IEESMCX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		SMCXLMOD	1-IFALSMOD was ACTIVE The bit is set to ON once and forever if IFALSMOD even once received control. (It is needed while IPLing to know were logstream parameters processed or not)
89	(59)	CHARACTER	1	*	RESERVED (Can be used later)
90	(5A)	UNSIGNED	2	SMCXSMFRESTARTS	Number of times SMF address space has been restarted
92	(5C)	ADDRESS	4	SMCX_WTDE_HEAD	Ptr to head of Work_To_Do Element,
96	(60)	ADDRESS	4	SMCX_WTDE_TAIL	Ptr to tail of Work_To_Do Element,
100	(64)	CHARACTER	28	SMCX_SMFTYPE23STATS	SMF Type 23 Statistics section
100	(64)	UNSIGNED	4	SMCX_RCENUMOFGETMAINREQUESTS	Number of Getmain requests since last SMF type 23 record
104	(68)	UNSIGNED	4	SMCX_RCEPGSBACKEDONGTMNREQS	Number of pages backed during Getmain requests since last SMF type 23 record
108	(6C)	UNSIGNED	4	SMCX_RCENUMOFFIXREQUESTS	Number of fix requests for storage (address space only) below two gigabytes since last SMF Type 23 record
112	(70)	UNSIGNED	4	SMCX_RCENUMFRAMESFX	Number of frames requested to be fixed for storage (address space only) below two gigabytes since last SMF Type 23 record
116	(74)	UNSIGNED	4	SMCX_RCE1STREFFAULTS	Number of first reference faults taken since last SMF Type 23 record
120	(78)	UNSIGNED	4	SMCX_RCENON1STREFFAULTS	Number of non-first reference faults taken since last SMF Type 23 record
124	(7C)	ADDRESS	4	SMCX_SMF23CPUARRAYPTR	Pointer to the SMF Type 23 Statistics CPU array section
128	(80)	SIGNED	4	SMCX_CAPACITY_CHANGE_ECB	Set by IFAENFL for POSTing IFASMF
132	(84)	ADDRESS	4	SMCX_CURR_PCD_PTR	Pointer to current Processor Capacity data area
136	(88)	UNSIGNED	2	SMCX_CURR_CAPACITY_CHANGE_CNT	Number of processor capacity changes that occurred since the previous regular interval record was written.
138	(8A)	UNSIGNED	2	SMCX_INTV_CAPACITY_CHANGE_CNT	Number of processor capacity changes that occurred since the previous (event or non event driven) interval record was written. This field is cleared when an event driven interval record is written. and its value will be > 1 when the number of processor capacity changes exceeds the value specified by MAXEVENTINTRECS
140	(8C)	UNSIGNED	2	SMCX_MAXEVENTINTRECS	value of MAXEVENTINTRECS
142	(8E)	CHARACTER	2	SMCXRSV3	reserved for alignment
144	(90)	ADDRESS	4	SMCX_DPEXITS_PTR	Pointer to valid IFASMFDP exits
148	(94)	ADDRESS	4	SMCX_DLEXITS_PTR	Pointer to valid IFASMF DL exits
152	(98)	ADDRESS	4	SMCX_TMR_ECB_PTR	Pointer to ECB used for STIMER when ENQ not available
156	(9C)	CHARACTER	4	SMCXESWT	SWT(hhmm)value as entered in SMFPRMxx
160	(A0)	SIGNED	4	SMCXMSWT	SWT(hhmm)value in minutes
164	(A4)	SIGNED	4	SMCXTSWT	SWT(hhmm)value in time units
168	(A8)	CHARACTER	4	SMCXETWT	TWT(hhmm)value as entered in SMFPRMxx
172	(AC)	SIGNED	4	SMCXMTWT	TWT(hhmm)value in minutes
176	(B0)	SIGNED	4	SMCXTTWT	TWT(hhmm)value in time units
180	(B4)	ADDRESS	4	*	Reserved
184	(B8)	CHARACTER	0	SMCXEND	End of SMCX mapping

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	SMCX_SMF23CPUARRAY	SMF Type 23 Statistics CPU array section
0	(0)	ADDRESS	4	SMCX_NEXTCPU	Address of next cpu array element (0 if last one)
4	(4)	UNSIGNED	4	SMCX_IOWIOCNT	Number of I/Os since last SMF Type 23 record
8	(8)	UNSIGNED	4	SMCX_LCCATCBC	Number of unlocked TCB dispatches since last SMF Type 23 record
12	(C)	UNSIGNED	4	SMCX_LCCASRBC	Number of SRB dispatches since last SMF Type 23 record
16	(10)	CHARACTER	0	SMCXEND1	End of SMCX_SMF23CPUArray mapping

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SMCX_DUMP_EXIT_TBL	Mapping for a dump exit table
0	(0)	CHARACTER	20	SMCX_DMPETB_HDR	Table header
0	(0)	CHARACTER	8	SMCX_DMPTBL_ID	Eye catcher 'SMCXDMPT'
8	(8)	SIGNED	4	SMCX_DMPTBPL	Length and subpool
8	(8)	UNSIGNED	1	SMCX_DMPTBSP	Subpool of table
9	(9)	UNSIGNED	3	SMCX_DMPTBLN	Length of table
12	(C)	SIGNED	4	SMCX_DMP_ENTRIES	Number of entries
16	(10)	CHARACTER	4	SMCX_DMP_FLAGS	Flags
		1... ..		SMCX_DMP_UPDATED_WO_ENQ	This table was updated without serialization on the enqueue
20	(14)	CHARACTER	12	SMCX_DMPEXTS	Exit name array
20	(14)	CHARACTER	3	SMCX_DMPEXIT_FLAGS	Flags for this exit
		1... ..		SMCX_DMP_LAST_ENTRY	Last entry flag
23	(17)	UNSIGNED	1	SMCX_DMPUSRN	1 - USER1 2 - USER2 3 - USER3
24	(18)	CHARACTER	8	SMCX_DMPNM	Dump exit name

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	SMCX_PROC_CAPACITY_DATA	Processor Capacity Data from WLM fields, as indicated
0	(0)	CHARACTER	4	SMCX_PCD_EYE_CATCHER	'PCD '
4	(4)	ADDRESS	4	SMCX_PCD_PRIOR	PCD that was built prior to this PCD
8	(8)	BITSTRING	8	SMCX_PCD_CHANGE_TIME	RMCTZ_Capacity_Change_Time (STCK format)
16	(10)	SIGNED	4	SMCX_PCD_RQSVSUS	RQSVSUS
20	(14)	SIGNED	4	SMCX_PCD_RCTPCPUA_ACTUAL	RCTPCPUA_actual
24	(18)	SIGNED	4	SMCX_PCD_RCTPCPUA_NOMINAL	RCTPCPUA_nominal@L5A
28	(1C)	SIGNED	4	SMCX_PCD_RCTPCPUA_SCALING	RCTPCPUA_scaling_factor
32	(20)	UNSIGNED	1	SMCX_PCD_CAPACITY_ADJ_IND	RMCTZ_Capacity_Adjustment_Indication
33	(21)	UNSIGNED	1	SMCX_PCD_CAPACITY_CHG_RSN	RMCTZ_Capacity_Change_Reason
34	(22)	UNSIGNED	2	SMCX_PCD_INTV_CHANGE_CNT	Copied from SMCX_Intv_Capacity_Change_Cnt
36	(24)	SIGNED	4	SMCX_PCD_SCHEDULED_SRBS	The number of SRBs currently scheduled to run that point to this PCD. This count is decremented at the end of each SRB routine. When the count is zero, the PCD is eligible to be freed.@L5A
40	(28)	BITSTRING	1	SMCX_PCD_FLAGS	
		1... ..		SMCX_PCD_RQSVSUS_ERR	Error retrieving RQSVSuS
		.1.. ..		SMCX_PCD_ERR	Error retrieving the rest of the capacity group data
		..1.		SMCX_PCD_EVENT_INTV	Set to on when the current STQE is for an event driven interval
41	(29)	CHARACTER	3	SMCXRSV2	Reserved for alignment
44	(2C)	SIGNED	4	SMCX_PCD_RMCTADJN_NOMINAL	Nominal CPU rate adjustment
48	(30)	CHARACTER	0	SMCXEND2	End of SMCX_Processor_Capacity_Data mapping

IEESMCX Constants • IEESMCX Cross Reference

IEESMCX Constants

Len	Type	Value	Name	Description
4	CHARACTER	SMCX	SMCXSMCX	"SMCX" EBCDIC NAME
2	DECIMAL	1	SMCXLVL1	LEVEL 1 INDICATOR

IEESMCX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SMCX	0		SMCX_PCD_RCTPCPUA_NOMINAL		
SMCX_CAPACITY_CHANGE_ECB	80		SMCX_PCD_RCTPCPUA_SCALING	18	
SMCX_CURR_CAPACITY_CHANGE_CNT	88		SMCX_PCD_RMCTADJN_NOMINAL	1C	
SMCX_CURR_PCD_PTR	84		SMCX_PCD_RQSVSUS	2C	
SMCX_DLEXITS_PTR	94		SMCX_PCD_RQSVSUS_ERR	10	
SMCX_DMP_ENTRIES	C		SMCX_PCD_SCHEDULED_SRBS	28	80
SMCX_DMP_FLAGS	10		SMCX_PROC_CAPACITY_DATA	24	
SMCX_DMP_LAST_ENTRY	14	80	SMCX_RCENON1STREFFAULTS	0	
SMCX_DMP_UPDATED_WO_ENQ	10	80	SMCX_RCENUMFRAMESFX	78	
SMCX_DMPETB_HDR	0		SMCX_RCENUMOFFIXREQUESTS	70	
SMCX_DMPEXIT_FLAGS	14		SMCX_RCENUMOFFGETMAINREQUESTS	6C	
SMCX_DMPEXTS	14		SMCX_RCEPGSBACKEDONGTMNREQS	64	
SMCX_DMPNM	18		SMCX_RCE1STREFFAULTS	68	
SMCX_DMPTBL_ID	0		SMCX_SMFTYPE23STATS	74	
SMCX_DMPTBLN	9		SMCX_SMF23CPUARRAY	64	
SMCX_DMPTBPL	8		SMCX_SMF23CPUARRAYPTR	0	
SMCX_DMPTBSP	8		SMCX_SPEEDCHANGESEQ#	7C	
SMCX_DMPUSRN	17		SMCX_TMR_ECB_PTR	4E	
SMCX_DPEXITS_PTR	90		SMCX_WTDE_HEAD	98	
SMCX_DUMP_EXIT_TBL	0		SMCX_WTDE_TAIL	5C	
SMCX_INTV_CAPACITY_CHANGE_CNT	8A		SMCXBIT1	60	
SMCX_IOWIOCNT	4		SMCXDFRQ	34	
SMCX_LCCASRBC	C		SMCXEND	2C	
SMCX_LCCATCBC	8		SMCXEND1	B8	
SMCX_LOGGER_RESTARTED	58	40	SMCXEND2	10	
SMCX_MAXEVENTINTRECS	8C		SMCXENFP	30	
SMCX_NEXTCPU	0		SMCXESWT	28	
SMCX_PCD_CAPACITY_ADJ_IND	20		SMCXETWT	9C	
SMCX_PCD_CAPACITY_CHG_RSN	21		SMCXETWT	A8	
SMCX_PCD_CHANGE_TIME	8		SMCXEXCP	34	40
SMCX_PCD_ERR	28	40	SMCXEXPT	38	
SMCX_PCD_EVENT_INTV	28	20	SMCXFLDTABLEPTR	50	
SMCX_PCD_EYE_CATCHER	0		SMCXFTST	34	08
SMCX_PCD_FLAGS	28		SMCXID	0	
SMCX_PCD_INTV_CHANGE_CNT	22		SMCXINTE	1C	
SMCX_PCD_PRIOR	4		SMCXINTP	18	
SMCX_PCD_RCTPCPUA_ACTUAL	14		SMCXINTT	24	
			SMCXINTV	8	
			SMCXLEN	6	
			SMCXLMOD	58	20
			SMCXLSBT	58	
			SMCXLSDS	58	80
			SMCXLVL	4	
			SMCXMEM	48	
			SMCXMEMD	48	

Name	Hex Offset	Hex Value
SMCXMEML	40	
SMCXMEMU	4D	
SMCXMSWT	A0	
SMCXMTWT	AC	
SMCXPC	34	04
SMCXPCWT	54	
SMCXRFER	34	10
SMCXRSV2	29	
SMCXRSV3	8E	
SMCXSMFRESTARTS	5A	
SMCXSPDB	34	80
SMCXSYNP	1A	
SMCXSYNV	10	
SMCXTSWT	A4	
SMCXTTWT	B0	
SMCXWFLD	34	20
SMCX824A	30	
SMCX839A	3C	

IEEZB833 Information

IEEZB833 Programming Interface information

Programming Interface information

IEEZB833

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

- VDEV_DDR_CALLER
- VDEV_DO_NOT_CHECK_VOLSER
- VDEV_DWNLVL_ENQS_HELD
- VDEV_ERROR_MESSAGES
- VDEV_ERROR_SUPPRESS_PATH_MSGS
- VDEV_ISSUE_ALL_MESSAGES
- VDEV_SMS_LIBRARY

End of Programming Interface information

IEEZB833 Heading Information • IEEZB833 Map

IEEZB833 Heading Information

Common Name: VARY Device Service Input
Macro ID: IEEZB833
DSECT Name: VDEV VDEVARR
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: 'VDEV'
 Offset: 0
 Length: 4
Storage Attributes: Key: Caller
Size: Version dependent:
 For version 1 (the default):
 X'10' byte header plus 4 bytes per device
 For version 10:
 X'20' byte header plus 4 bytes per device
Created by: Caller of IEEVARYD service
Pointed to by: N/A
Serialization: None
Function: Maps the input parameters for invokers of the IEEVARYD service.

IEEZB833 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VDEV	VARY Device Service Input
0	(0)	DBL WORD	8	VDEV_VERSION_1 (0)	Align on doubleword boundary
0	(0)	CHARACTER	4	VDEV_ID	VDEV identifier ('VDEV')
4	(4)	BITSTRING	1	VDEV_VERSION	VDEV version number
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	2	VDEV_KEYWORDS (0)	VARY device command keywords
8	(8)	BITSTRING	1	VDEV_KEYWORDS1	First byte of keywords
		1...		VDEV_ONLINE	"X'80" ONLINE keyword
		.1..		VDEV_OFFLINE	"X'40" OFFLINE keyword
		..1.		VDEV_AUTOSWITCH	"X'20" AUTOSWITCH keyword
		...1		VDEV_UNAVAIL	"X'10" UNAVAILABLE keyword
9	(9)	BITSTRING	1	VDEV_KEYWORDS2	Second byte of keywords
		1...		VDEV_UNCOND	"X'80" UNCOND keyword
		.1..		VDEV_SHR	"X'40" SHR keyword
		..1.		VDEV_RESET	"X'20" RESET keyword
		...1		VDEV_FORCE	"X'10" FORCE keyword
		.... 1..		VDEV_ON	"X'08" ON keyword
		.... .1..		VDEV_OFF	"X'04" OFF keyword
10	(A)	BITSTRING	2	VDEV_OPTIONS (0)	Additional options
10	(A)	BITSTRING	1	VDEV_OPTIONS1	First byte of additional options
		1...		VDEV_KEEP_OFFLINE_CM	"X'80" Keep device(s) offline due to a configuration manager
		.1..		VDEV_DWNLVL_ENQS_HELD	"X'40" Provided for compatibility with HBB7720 and below. Was VDEV_ENQS_HELD. This flag should not be used as of HBB7730
		..1.		VDEV_ERROR_SUPPRESS_PATH_MSGS	"X'20" Issue error messages but suppress pathing messages
		...1		VDEV_SMS_LIBRARY	"X'10" SMS library is being varied
		.... 1..		VDEV_ERROR_MESSAGES	"X'08" Issue error messages
		.... .1..		VDEV_DO_NOT_CHECK_VOLSER	"X'04" Bring the device online without checking its volume serial number
		.... ..1.		VDEV_DDR_CALLER	"X'02" Indicate that DDR issued the internal vary
		.... ...1		VDEV_DO_NOT_WAIT_FOR_ENQ	"X'01" Return to the caller if SYSIEFSD.Q4 cannot be obtained in a short amount of time
11	(B)	BITSTRING	1	VDEV_OPTIONS2	Second byte of additional options
		1...		VDEV_CART_AND_CONSID	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		VDEV_ISSUE_ALL_MESSAGES	"X'80" Use the CART and CONSID specified. This requires a VERSION10 VDEV
12	(C)	BITSTRING	4	VDEV_CONSID	"X'40" Return all messages. This requires a VERSION10 VDEV Console ID
12	(C)	X'10'	0	VDEV_LENGTH_VERSION1	"*-VDEV" Length of VDEV version 1
12	(C)	X'10'	0	VDEV_LENGTH	"*-VDEV" Length of this VDEV version Input

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VDEVARR	IEEVARYD Device Array Entry
0	(0)	SIGNED	4	(0)	Align on fullword boundary
0	(0)	BITSTRING	2	VDEVARR_DEVN	Device number
2	(2)	BITSTRING	2		Reserved
2	(2)	X'4'	0	VDEVARR_LENGTH	"*-VDEVARR" Length of IEEVARYD Device Array Entry

Comment

Constants

End of Comment

		.... ...1		VDEV_VERN_1	"X'01" Version for VDEV version 1
2	(2)	X'1'	0	VDEV_VERN	"VDEV_VERN_1" VDEV version
2	(2)	X'C4C5E5'	0	VDEV_CBID	"C'VDEV" VDEV identifier

IEEZB833 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VDEV	0			A	
VDEV_AUTOSWITCH			VDEV_OPTIONS2		
	8	20		B	
VDEV_CART_AND_CONSID			VDEV_RESET	9	20
	B	80	VDEV_SHR	9	40
VDEV_CBID	2	C4C5E5	VDEV_SMS_LIBRARY		
VDEV_CONSID	C			A	10
VDEV_DDR_CALLER			VDEV_UNAVAIL	8	10
	A	2	VDEV_UNCOND	9	80
VDEV_DO_NOT_CHECK_VOLSER			VDEV_VERN	2	1
	A	4	VDEV_VERN_1	2	1
VDEV_DO_NOT_WAIT_FOR_ENQ			VDEV_VERSION	4	
	A	1	VDEV_VERSION_1		
VDEV_DWNLVL_ENQS_HELD				0	
	A	40	VDEVARR	0	
VDEV_ERROR_MESSAGES			VDEVARR_DEVN	0	
	A	8	VDEVARR_LENGTH		
VDEV_ERROR_SUPPRESS_PATH_MSGS				2	4
	A	20			
VDEV_FORCE	9	10			
VDEV_ID	0				
VDEV_ISSUE_ALL_MESSAGES					
	B	40			
VDEV_KEEP_OFFLINE_CM					
	A	80			
VDEV_KEYWORDS					
	8				
VDEV_KEYWORDS1					
	8				
VDEV_KEYWORDS2					
	9				
VDEV_LENGTH	C	10			
VDEV_LENGTH_VERSION1					
	C	10			
VDEV_OFF	9	4			
VDEV_OFFLINE	8	40			
VDEV_ON	9	8			
VDEV_ONLINE	8	80			
VDEV_OPTIONS	A				
VDEV_OPTIONS1					

IEEZB834 Information

IEEZB834 Programming Interface information

Programming Interface information

IEEZB834

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

- VDRSARR_OFFLINE_OPERATOR

End of Programming Interface information

IEEZB834 Heading Information • IEEZB834 Map

IEEZB834 Heading Information

Common Name: VARY Device Service Results
Macro ID: IEEZB834
DSECT Name: VDRSARR
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: None
Storage Attributes: Key: Caller
Size: VDRSARR -- X'0068' bytes
Created by: Caller of IEEVARYD service
Pointed to by: N/A
Serialization: None
Function: Maps the output from the IEEVARYD service.

IEEZB834 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VDRSARR	VARY Device Service Results Array
0	(0)	CHARACTER	2	VDRSARR_OUTPUT_FLAGS	Output flags
0	(0)	CHARACTER	1	VDRSARR_OUTPUT_FLAGS1	First byte of output flags

Comment

Bit definitions:

End of Comment

		1...		VDRSARR_OUTPUT_VALID	"X'80" Device output is valid
		.1..		VDRSARR_MSG_RETURNED	"X'40" Message area contains a message
1	(1)	CHARACTER	1	VDRSARR_OUTPUT_FLAGS2	Second byte of output flags
2	(2)	CHARACTER	2		Reserved
4	(4)	SIGNED	4	VDRSARR_RETCODE	Device return code
8	(8)	SIGNED	4	VDRSARR_RSNCODE	Device reason code
12	(C)	CHARACTER	12		Reserved
24	(18)	CHARACTER	71	VDRSARR_MSGAREA	Message area
95	(5F)	CHARACTER	9		Reserved
95	(5F)	X'68'	0	VDRSARR_LENGTH	"104" Length of VARY Device Service Results Array Entry

Comment

Device Return Codes (values for VDRSARR_RETCODE)

End of Comment

95	(5F)	X'0'	0	VDRSARR_OK	"0" Successfully varied online/offline or the AUTOSWITCH attribute or the unavailable state for the device was successfully changed
95	(5F)	X'4'	0	VDRSARR_ALREADY_OK	"4" Already online/offline or in requested AUTOSWITCH mode
95	(5F)	X'8'	0	VDRSARR_PENDING	"8" Pending offline
95	(5F)	X'C'	0	VDRSARR_ONLINE_WITH_REST	"12" Online with restrictions
95	(5F)	X'10'	0	VDRSARR_FAIL	"16" Did not come online/offline or the AUTOSWITCH attribute or the unavailable state was not changed for the device
95	(5F)	X'14'	0	VDRSARR_OFF_PENDBOX	"20" Offline and pending boxed
95	(5F)	X'18'	0	VDRSARR_PENDOFF_PENDBOX	"24" Pending offline and pending boxed
95	(5F)	X'20'	0	VDRSARR_UNEXP_ERR	"32" Unexpected error

Comment

Device Reason Codes (values for VDRSARR_RSNCODE)

End of Comment

95	(5F)	X'0'	0	VDRSARR_NO_INFO	
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Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
					"0" No additional information
95	(5F)	X'1'	0	VDRSARR_SEE_MSGAREA	"1" See message area
95	(5F)	X'2'	0	VDRSARR_NOUCB	"2" No UCB for device
95	(5F)	X'3'	0	VDRSARR_UNIT_MUST_BE_OFFLINE	"3" Unit must be OFFLINE before its AUTOSWITCH attribute or unavailable state can be changed
95	(5F)	X'4'	0	VDRSARR_DEVICE_NOT_VALID	"4" Unit is not a valid device type for the AUTOSWITCH attribute or unavailable state
95	(5F)	X'6'	0	VDRSARR_NO_LOG_PATHS	"6" Device has no logical paths
95	(5F)	X'7'	0	VDRSARR_NO_PHY_PATHS	"7" Device has no physical paths
95	(5F)	X'8'	0	VDRSARR_IN_USE	"8" Device in use by system function
95	(5F)	X'9'	0	VDRSARR_ABORT	"9" VARY processing aborted
95	(5F)	X'A'	0	VDRSARR_DYN_PATH	"10" Dynamic pathing failed
95	(5F)	X'B'	0	VDRSARR_ASSIGN	"11" Device assigned to another system
95	(5F)	X'C'	0	VDRSARR_INCOMP_ASSIGN	"12" Incompatible assign requested
95	(5F)	X'D'	0	VDRSARR_ASSIGN_FAILED	"13" Assign failed
95	(5F)	X'E'	0	VDRSARR_PENDOFF_BOXED	"14" Pending offline and boxed
95	(5F)	X'F'	0	VDRSARR_KEPT_OFFLINE_CM	"15" Device being kept offline by a configuration manager
95	(5F)	X'10'	0	VDRSARR_OFFLINE_OPERATOR	"16" Device is offline due to operator and cannot be brought online as part of an SMS library operation
95	(5F)	X'11'	0	VDRSARR_IN_TAPE_LIB	"17" Device is in a system-managed tape library
95	(5F)	X'12'	0	VDRSARR_IN_USE_BY_CUIR	"18" Device is in use by C.U.I.R.
95	(5F)	X'13'	0	VDRSARR_NOT_ELIGIBLE	"19" Device is not eligible for a vary operation (e.g., device is SYSRES or non-base multiple exposure)
95	(5F)	X'14'	0	VDRSARR_VOLUME_NOT_READ	"20" Volume could not be read
95	(5F)	X'15'	0	VDRSARR_MANAGED_BY_JES3	"21" Device is managed by JES3
95	(5F)	X'16'	0	VDRSARR_CONSOLE_CHANGING	"22" Device is the console device for a console which is currently changing console status
95	(5F)	X'17'	0	VDRSARR_CONSOLE_IO	"23" Device is the console device for a console which has invalid input/output capabilities
95	(5F)	X'18'	0	VDRSARR_MASTER_OFF_FORCE	"24" Device is the console device for the master console and the OFFLINE and FORCE keywords were not specified. This value is not used in HBB7730 or above.
95	(5F)	X'19'	0	VDRSARR_MASTER_OTHER_ACT	"25" Device is the console device for the master console and there is at least one other active full capability console. This value is not used in HBB7730 or above.
95	(5F)	X'1A'	0	VDRSARR_MASTER_MSTCONS	"26" Device is the console device for the master console and the VARY MSTCONS command can be accepted from any console. This value is not used in HBB7730 or above.
95	(5F)	X'1B'	0	VDRSARR_MASTER_CANDIDATE	"27" Device is the console device for the master console candidate or the local candidate. This value is not used in HBB7730 or above.
95	(5F)	X'1C'	0	VDRSARR_HARDCOPY_CONSOLE	"28" Device is the console device for the hardcopy console Note: this return code is no longer used as of JBB7727.
95	(5F)	X'1D'	0	VDRSARR_DEVICE_RESERVED	"29" Device is not allowed to be OFFLINE'd when it is reserved
95	(5F)	X'68'	0	VDRSARR_LEN	**VDRSARR"

IEEZB834 Cross Reference

IEEZB834 Cross Reference

Name	Hex Offset	Hex Value
VDRSARR	0	
VDRSARR_ABORT		
	5F	9
VDRSARR_ALREADY_OK		
	5F	4
VDRSARR_ASSIGN		
	5F	B
VDRSARR_ASSIGN_FAILED		
	5F	D
VDRSARR_CONSOLE_CHANGING		
	5F	16
VDRSARR_CONSOLE_IO		
	5F	17
VDRSARR_DEVICE_NOT_VALID		
	5F	4
VDRSARR_DEVICE_RESERVED		
	5F	1D
VDRSARR_DYN_PATH		
	5F	A
VDRSARR_FAIL		
	5F	10
VDRSARR_HARDCOPY_CONSOLE		
	5F	1C
VDRSARR_IN_TAPE_LIB		
	5F	11
VDRSARR_IN_USE		
	5F	8
VDRSARR_IN_USE_BY_CUIR		
	5F	12
VDRSARR_INCOMP_ASSIGN		
	5F	C
VDRSARR_KEPT_OFFLINE_CM		
	5F	F
VDRSARR_LEN		
	5F	68
VDRSARR_LENGTH		
	5F	68
VDRSARR_MANAGED_BY_JES3		
	5F	15
VDRSARR_MASTER_CANDIDATE		
	5F	1B
VDRSARR_MASTER_MSTCONS		
	5F	1A
VDRSARR_MASTER_OFF_FORCE		
	5F	18
VDRSARR_MASTER_OTHER_ACT		
	5F	19
VDRSARR_MSG_RETURNED		
	0	40
VDRSARR_MSGAREA		
	18	
VDRSARR_NO_INFO		
	5F	0
VDRSARR_NO_LOG_PATHS		
	5F	6
VDRSARR_NO_PHY_PATHS		
	5F	7
VDRSARR_NOT_ELIGIBLE		
	5F	13
VDRSARR_NOUCB		
	5F	2
VDRSARR_OFF_PENDBOX		
	5F	14
VDRSARR_OFFLINE_OPERATOR		
	5F	10
VDRSARR_OK		
	5F	0
VDRSARR_ONLINE_WITH_REST		
	5F	C
VDRSARR_OUTPUT_FLAGS		
	0	
VDRSARR_OUTPUT_FLAGS1		
	0	
VDRSARR_OUTPUT_FLAGS2		
	1	

Name	Hex Offset	Hex Value
VDRSARR_OUTPUT_VALID		
	0	80
VDRSARR_PENDING		
	5F	8
VDRSARR_PENDOFF_BOXED		
	5F	E
VDRSARR_PENDOFF_PENDBOX		
	5F	18
VDRSARR_RETCODE		
	4	
VDRSARR_RSNCODE		
	8	
VDRSARR_SEE_MSGAREA		
	5F	1
VDRSARR_UNEXP_ERR		
	5F	20
VDRSARR_UNIT_MUST_BE_OFFLINE		
	5F	3
VDRSARR_VOLUME_NOT_READ		
	5F	14

IEEZB887 Information

IEEZB887 Programming Interface information

Programming Interface information

IEEZB887

End of Programming Interface information

IEEZB887 Heading Information • IEEZB887 Map

IEEZB887 Heading Information

Common Name: EMCS Console Display Mapping
Macro ID: IEEZB887
DSECT Name: ECDM
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: ECDM
 Offset: 4
 Length: 4
Storage Attributes: Main Storage: Yes
 Virtual Storage: No
 Auxiliary Storage: No
 Subpool: Caller's
 Key: Caller's
 Data Space: No
 Residency: Any
Size: ECDM_HDR -- X'0014' bytes
 ECDM_SUMM -- X'0018' bytes
 ECDM_INFO -- X'0070' bytes
 ECDM_MSCP -- X'0014' bytes
 ECDM_CNSW -- X'0014' bytes
 ECDM_DSP -- X'001C' bytes
 NOTE THAT SOME SECTIONS CAN ACTUALLY BE OF VARIABLE LENGTH. SEE THE DECLARED STRUCTURES FOR DETAILS.
Created by: IEEQEMCS
Pointed to by: Set up by caller, pointed to by Register 1 during IEEQEMCS processing
Serialization: None
Function: Mapping of EMCS Console Data returned by Query EMCS Console Service (IEEQEMCS)

IEEZB887 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ECDM_HDR	EMCS Console Data Header Mapping
0	(0)	CHARACTER	4	ECDM_ACRN	Eyecatcher
4	(4)	BITSTRING	4	ECDM_VERS	Version
8	(8)	SIGNED	4	ECDM_HDR_SIZE	Size of ECDM block
12	(C)	SIGNED	4	ECDM_SIZE	Size of entire data buffer
16	(10)	SIGNED	2	ECDM_NENT	Number of console entries in the output buffer
18	(12)	CHARACTER	2		Reserved
18	(12)	X'14'	0	ECDM_HDR_LEN	"*-ECDM_HDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ECDM_SUMM	EMCS console SUMM block
0	(0)	SIGNED	2	ECDM_SUMM_TYPE	Type of block. Should be ECDM_TYPE_SUMM
2	(2)	CHARACTER	2		Reserved
4	(4)	SIGNED	4	ECDM_SUMM_SIZE	Size of the ECDM_SUMM block
8	(8)	SIGNED	4	ECDM_SUMM_CONS_SIZE	Size of the entire EMCS console entry
12	(C)	BITSTRING	2	ECDM_SUMM_FLGS	Flag bytes
12	(C)	BITSTRING	1	ECDM_SUMM_FLG1	Flag byte 1

Comment

Bit definitions:

End of Comment

1...	ECDM_SUMM_INFO	"X'80" Data block was returned for this entry
.1..	ECDM_SUMM_MSCP	"X'40" MSCOPE list was returned for this entry
..1.	ECDM_SUMM_CNSW	"X'20" CN_SWITCH list was returned for this entry (not supported as of HBB7730)
...1	ECDM_SUMM_DSP	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
13	(D)	BITSTRING	1	ECDM_SUMM_FLG2	"X'10" Dataspace block was returned for this entry Flag byte 2

Comment

Bit definitions:

End of Comment

		1...		ECDM_SUMM_ACTIVE	"X'80" ON = console is active Reserved
14	(E)	CHARACTER	2		
16	(10)	CHARACTER	8	ECDM_SUMM_NAME	Console name
16	(10)	X'18'	0	ECDM_SUMM_LEN	"*-ECDM_SUMM"

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	ECDM_INFO	EMCS console INFO block
0	(0)	SIGNED	2	ECDM_INFO_TYPE	Type of block. Should be ECDM_TYPE_INFO Reserved
2	(2)	CHARACTER	2		
4	(4)	SIGNED	4	ECDM_INFO_SIZE	Size of this console INFO block
8	(8)	SIGNED	4	ECDM_INFO_CNID	4-byte console ID
12	(C)	BITSTRING	1	ECDM_INFO_MIGID	1-byte migration ID (not supported as of HBB7730)
13	(D)	BITSTRING	1	ECDM_INFO_FLG1	Miscellaneous flag byte

Comment

Bit definitions:

End of Comment

		1...		ECDM_INFO_SWTO_VALID	"X'80" This console has been switched (SWITCHTO is valid) (not supported as of HBB7730)
		.1..		ECDM_INFO_ALTGRP_VALID	"X'40" There is an alternate group for this console (not supported as of HBB7730)
		..1.		ECDM_INFO_MIGID_VALID	"X'20" There is a migration ID for this console (Reserved as of HBB7730)
		...1		ECDM_INFO_JOBINFO_VALID	"X'10" There is a JOBNAME and JOBID available for this console
		.... 1...		ECDM_INFO_AUTOACT_VALID	"X'08" There is an AUTOACT group available for this console
		.... .1..		ECDM_INFO_AUTOACT_SUSP	"X'04" There is an AUTOACT group defined but AUTOACT processing is suspended
		.... ..1.		ECDM_INFO_AUTOACT_NOTAVAIL	"X'02" AUTOACT info is not available for this console (not on this system)
14	(E)	SIGNED	2	ECDM_INFO_ASID	ASID (only valid if this is an active console on this system, otherwise it is zero)
16	(10)	BITSTRING	1	ECDM_INFO_STFLG	Console status flag byte

Comment

Bit definitions:

End of Comment

		1...		ECDM_INFO_ACTIVE	"X'80" Console is active
		.1..		ECDM_INFO_PD	"X'40" Console is in PD mode
		..1.		ECDM_INFO_SYSCONS	"X'20" Console is a System Console
17	(11)	BITSTRING	1	ECDM_INFO_RTFLG	Routing Flags

IEEZB887 Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Bit definitions:					
End of Comment					
		1...		ECDM_INFO_RSV1	"X'80" Reserved was ECDM_INFO_UD
		.1..		ECDM_INFO_HC	"X'40" HC bit
		..1.		ECDM_INFO_AUTO	"X'20" AUTO bit
		...1		ECDM_INFO_MNJB	"X'10" Monitor jobnames
		.... 1..		ECDM_INFO_MNST	"X'08" Monitor status
		.... .1..		ECDM_INFO_MNSS	"X'04" Monitor sessions
		.... ..1.		ECDM_INFO_MSCP_ALL	"X'02" MSCOPE=*ALL
		.... ...1		ECDM_INFO_NO_MSCP	"X'01" No MSCOPE data available - this is not a sysplex
18	(12)	BITSTRING	1	ECDM_INFO_DOM	DOM attribute bits
Comment					
Bit definitions:					
End of Comment					
		1...		ECDM_INFO_DOMALL	"X'80" DOM=ALL
		.1..		ECDM_INFO_DOMNORM	"X'40" DOM=NORMAL
		..1.		ECDM_INFO_DOMNONE	"X'20" DOM=NONE
19	(13)	BITSTRING	1	ECDM_INFO_MLVL	Level Byte
Comment					
Bit definitions:					
End of Comment					
		1...		ECDM_INFO_LVW	"X'80" Display WTOR's
		.1..		ECDM_INFO_LVIA	"X'40" Display Immediate Action messages
		..1.		ECDM_INFO_LVCE	"X'20" Display Critical Eventual Action messages
		...1		ECDM_INFO_LVE	"X'10" Display Eventual Action messages
		.... 1..		ECDM_INFO_LVI	"X'08" Display Informational messages
		.... .1..		ECDM_INFO_LVBC	"X'04" Display Broadcast messages
20	(14)	BITSTRING	1	ECDM_INFO_AUTH	Console authority byte
Comment					
Bit definitions:					
End of Comment					
		1...		ECDM_INFO_SYS	"X'80" Console has SYS authority
		.1..		ECDM_INFO_IO	"X'40" Console has IO authority
		..1.		ECDM_INFO_CONS	"X'20" Console has CONS authority
		...1		ECDM_INFO_MASTER	"X'10" Console has MASTER authority
21	(15)	BITSTRING	1	ECDM_INFO_RTFLG2	Routing Flags Byte 2

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
						Comment
Bit definitions:						
						End of Comment
		1... ..		ECDM_INFO_INTIDS	"X'80" Console has INTIDS (receiving messages for console id zero)	
		.1.. ..		ECDM_INFO_UNKNIDS	"X'40" Console has UNKNIDS (receiving messages for unknown CNIDs)	
22	(16)	CHARACTER	2		Reserved	
24	(18)	CHARACTER	8	ECDM_INFO_KEY	User assigned key	
32	(20)	CHARACTER	8	ECDM_INFO_SYSNM	System name	
40	(28)	CHARACTER	8	ECDM_INFO_TERM	Terminal name	
48	(30)	CHARACTER	8	ECDM_INFO_JOBNM	JOBNAME	
56	(38)	CHARACTER	8	ECDM_INFO_JOBID	JOBID	
64	(40)	CHARACTER	8	ECDM_INFO_CSYS	CMDSYS	
72	(48)	CHARACTER	8	ECDM_INFO_ALTGRP	ALTGRP (not supported as of HBB7730)	
80	(50)	CHARACTER	8	ECDM_INFO_SWTO	SWITCHTO (not supported as of HBB7730)	
88	(58)	CHARACTER	16	ECDM_INFO_ROUT	Routing codes	
104	(68)	CHARACTER	8	ECDM_INFO_AUTOACT	AUTOACT	
104	(68)	X'70'	0	ECDM_INFO_LEN	"*-ECDM_INFO"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	ECDM_MSCP	EMCS console MSCOPE block	
0	(0)	CHARACTER	12	ECDM_MSCP_HDR	MSCOPE fixed-size header. Should be ECDM_TYPE_MSCP	
0	(0)	SIGNED	2	ECDM_MSCP_TYPE	Type of block	
2	(2)	CHARACTER	2		Reserved	
4	(4)	SIGNED	4	ECDM_MSCP_SIZE	Size of this console MSCOPE block	
8	(8)	SIGNED	4	ECDM_MSCP_MNUM	Number of entries in MSCOPE block	
12	(C)	CHARACTER	8	ECDM_MSCP_LIST	MSCOPE list	
12	(C)	X'14'	0	ECDM_MSCP_LEN	"*-ECDM_MSCP"	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	ECDM_CNSW	EMCS console CNSWITCH block (not supported as of HBB7730)	
0	(0)	CHARACTER	12	ECDM_CNSW_HDR	CNSWITCH fixed-size header. Should be ECDM_TYPE_CNSW	
0	(0)	SIGNED	2	ECDM_CNSW_TYPE	Type of block	
2	(2)	CHARACTER	2		Reserved	
4	(4)	SIGNED	4	ECDM_CNSW_SIZE	Size of this console CNSWITCH block	
8	(8)	SIGNED	4	ECDM_CNSW_MNUM	Number of entries in CNSWITCH block	
12	(C)	CHARACTER	8	ECDM_CNSW_LIST	CNSWITCH list	
12	(C)	X'14'	0	ECDM_CNSW_LEN	"*-ECDM_CNSW"	

IEEZB887 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ECDM_DSP	Dataspace status mapping
0	(0)	SIGNED	2	ECDM_DSP_TYPE	Type of block. Should be ECDM_TYPE_DSP
2	(2)	CHARACTER	2		Reserved
4	(4)	SIGNED	4	ECDM_DSP_SIZE	Size of the dataspace status mapping
8	(8)	SIGNED	4	ECDM_DSP_QD	Queue depth in use
12	(C)	SIGNED	4	ECDM_DSP_QLIM	Queue depth limit
16	(10)	BITSTRING	1	ECDM_DSP_ALERTPCT	Alert percentage
17	(11)	BITSTRING	1	ECDM_DSP_ERR	Error condition byte

Comment

Bit definitions:

End of Comment

		1...		ECDM_DSP_CLIM	"X'80" Queueing stopped by Memory Limit
		.1.		ECDM_DSP_DLIM	"X'40" Queueing stopped by Queue Depth Limit
		..1.		ECDM_DSP_INTR	"X'20" Queueing stopped by Internal Error
		...1		ECDM_DSP_ALRT	"X'10" Queueing reached Alert Percentage
18	(12)	CHARACTER	2		Reserved
20	(14)	SIGNED	4	ECDM_DSP_CURRDSSIZE	Current dataspace size in kilobytes (K)
24	(18)	SIGNED	4	ECDM_DSP_MAXDSSIZE	Maximum dataspace size in kilobytes (K)
24	(18)	X'C3C4D4'	0	ECDM_ACR	"C'ECDM" Eyecatcher

Comment

Version numbers

End of Comment

		.... ...1		ECDM_VERS1	"X'00000001" Version number
		.... ..11		ECDM_VERS3	"X'00000003" Version number 3
		.... 1.1.		ECDM_VERS_HBB7730	"X'0000000A" Version number 10
		...1		ECDM_VERS_HBB7750	"X'00000010" Version number 16
		...1		ECDM_VERID	"X'00000010" Current version number

Comment

Sub-block identifiers

End of Comment

24	(18)	X'8'	0	ECDM_TYPE_SUMM	"8" Console SUMM block type
24	(18)	X'10'	0	ECDM_TYPE_INFO	"16" Console INFO block type
24	(18)	X'20'	0	ECDM_TYPE_MSCP	"32" Console MSCOPE block type
24	(18)	X'40'	0	ECDM_TYPE_CNSW	"64" Console CNSWITCH block type (not supported as of HBB7730)
24	(18)	X'80'	0	ECDM_TYPE_DSP	"128" Console dataspace block type
24	(18)	X'1C'	0	ECDM_DSP_LEN	"*-ECDM_DSP"

IEEZB887 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ECDM_ACR	18	C3C4D4	ECDM_INFO_DOMALL	12	80
ECDM_ACRN	0		ECDM_INFO_DOMNONE	12	20
ECDM_CNSW	0		ECDM_INFO_DOMNORM	12	40
ECDM_CNSW_HDR	0		ECDM_INFO_FLG1	D	
ECDM_CNSW_LEN	C	14	ECDM_INFO_HC	11	40
ECDM_CNSW_LIST	C		ECDM_INFO_INTIDS	15	80
ECDM_CNSW_MNUM	8		ECDM_INFO_IO	14	40
ECDM_CNSW_SIZE	4		ECDM_INFO_JOBID	38	
ECDM_CNSW_TYPE	0		ECDM_INFO_JOBINFO_VALID	D	10
ECDM_DSP	0		ECDM_INFO_JOBNM	30	
ECDM_DSP_ALERTPCT	10		ECDM_INFO_KEY	18	
ECDM_DSP_ALRT	11	10	ECDM_INFO_LEN	68	70
ECDM_DSP_CLIM	11	80	ECDM_INFO_LVBC	13	4
ECDM_DSP_CURRDSSIZE	14		ECDM_INFO_LVCE	13	20
ECDM_DSP_DLIM	11	40	ECDM_INFO_LVE	13	10
ECDM_DSP_ERR	11		ECDM_INFO_LVI	13	8
ECDM_DSP_INTR	11	20	ECDM_INFO_LVIA	13	40
ECDM_DSP_LEN	18	1C	ECDM_INFO_LVW	13	80
ECDM_DSP_MAXDSSIZE	18		ECDM_INFO_MASTER	14	10
ECDM_DSP_QD	8		ECDM_INFO_MIGID	C	
ECDM_DSP_QLIM	C		ECDM_INFO_MIGID_VALID	D	20
ECDM_DSP_SIZE	4		ECDM_INFO_MLVL	13	
ECDM_DSP_TYPE	0		ECDM_INFO_MNJB	11	10
ECDM_HDR	0		ECDM_INFO_MNSS	11	4
ECDM_HDR_LEN	12	14	ECDM_INFO_MNST	11	8
ECDM_HDR_SIZE	8		ECDM_INFO_MSCP_ALL	11	2
ECDM_INFO	0		ECDM_INFO_NO_MSCP	11	1
ECDM_INFO_ACTIVE	10	80	ECDM_INFO_PD	10	40
ECDM_INFO_ALTGRP	48		ECDM_INFO_ROUT	58	
ECDM_INFO_ALTGRP_VALID	D	40	ECDM_INFO_RSV1	11	80
ECDM_INFO_ASID	E		ECDM_INFO_RTFLG	11	
ECDM_INFO_AUTH	14		ECDM_INFO_RTFLG2	15	
ECDM_INFO_AUTO	11	20	ECDM_INFO_SIZE	4	
ECDM_INFO_AUTOACT	68		ECDM_INFO_STFLG	10	
ECDM_INFO_AUTOACT_NOTAVAIL	D	2	ECDM_INFO_SWTO	50	
ECDM_INFO_AUTOACT_SUSP	D	4	ECDM_INFO_SWTO_VALID	D	80
ECDM_INFO_AUTOACT_VALID	D	8	ECDM_INFO_SYS	14	80
ECDM_INFO_CNID	8		ECDM_INFO_SYSCONS		
ECDM_INFO_CONS	14	20			
ECDM_INFO_CSYS	40				
ECDM_INFO_DOM	12				

IEEZB887 Cross Reference

Name	Hex Offset	Hex Value
ECDM_INFO_SYSNM	10	20
ECDM_INFO_TERM	20	
ECDM_INFO_TYPE	28	
ECDM_INFO_UNKNIDS	0	
ECDM_MSCP	15	40
ECDM_MSCP_HDR	0	
ECDM_MSCP_LEN	0	
ECDM_MSCP_LIST	C	14
ECDM_MSCP_MNUM	C	
ECDM_MSCP_SIZE	8	
ECDM_MSCP_TYPE	4	
ECDM_NENT	0	
ECDM_SIZE	10	
ECDM_SUMM	C	
ECDM_SUMM_ACTIVE	0	
ECDM_SUMM_CNSW	D	80
ECDM_SUMM_CONS_SIZE	C	20
ECDM_SUMM_DSP	8	
ECDM_SUMM_FLGS	C	10
ECDM_SUMM_FLG1	C	
ECDM_SUMM_FLG2	C	
ECDM_SUMM_INFO	D	
ECDM_SUMM_LEN	C	80
ECDM_SUMM_MSCP	10	18
ECDM_SUMM_NAME	C	40
ECDM_SUMM_SIZE	10	
ECDM_SUMM_TYPE	4	
ECDM_TYPE_CNSW	0	
ECDM_TYPE_DSP	18	40
ECDM_TYPE_INFO	18	80
ECDM_TYPE_MSCP	18	10
ECDM_TYPE_SUMM	18	20
ECDM_VERID	18	8
ECDM_VERS	18	10
ECDM_VERS_HBB7730	4	
ECDM_VERS_HBB7750	18	A
ECDM_VERS1	18	10
ECDM_VERS3	18	1
	18	3

IEEZB888 Information

IEEZB888 Programming Interface information

Programming Interface information

IEEZB888

End of Programming Interface information

IEEZB888 Heading Information • IEEZB888 Map

IEEZB888 Heading Information

Common Name: IEEQEMCS Return and Reason Codes
Macro ID: IEEZB888
DSECT Name: N/A
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID:
Offset: N/A
Length: N/A
Storage Attributes: Main Storage: Yes
 Virtual Storage: No
 Auxiliary Storage: No
 Subpool: Caller's
 Key: Caller's
 Data Space: No
 Residency: Any
Size: N/A
Created by: IEEQEMCS
Pointed to by: N/A
Serialization: None
Function: Mapping of IEEQEMCS Return and Reason Codes

IEEZB888 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
		.... ....		IEEQE_RC_OK	"X'00000000" Meaning: EMCS consoles have been found. In the case of a REQUEST type of SUMMARY, INFO, or FULL, the output buffer was sufficient to hold all of the information for the consoles meeting the search criteria. Action: None required.
		.... .1..		IEEQE_RC_NOCONS	"X'00000004" Meaning: No EMCS consoles meet the specified filters. Action: None required.
		.... 1...		IEEQE_RC_NOSTOR	"X'00000008" Meaning: Insufficient return buffer storage to complete the query operation. Action: Refer to the action provided with the specific reason code.
		.... .1..		IEEQE_RS_TOKSZCONS	"X'00000004" Meaning: A token and recommended buffer size have been returned in TOKEN and RECSIZE. Also, some console information has been returned in the output buffer. Action: After processing the information returned in the console buffer, issue IEEQEMCS again with the token that was returned by this call to IEEQEMCS so that more console information may be returned.
		.... 1...		IEEQE_RS_TOKSZNOCONS	"X'00000008" Meaning: A token and recommended buffer size have been returned in TOKEN and RECSIZE. The output buffer is too small to return any EMCS consoles. Action: Allocate a new buffer that is at least the size returned in RECSIZE, and issue IEEQEMCS again with the new buffer and the token returned on the previous IEEQEMCS call. The recommended buffer size returned in RECSIZE is sufficient to hold only one console. It may be necessary to obtain a buffer larger than that to hold all of the consoles returned by IEEQEMCS.
		...1 ..1.		IEEQE_RS_NOTOKSZRET	"X'00000012" Meaning: TOKEN and RECSIZE parameters were not coded on the macro invocation, so IEEQEMCS could not return a recommended buffer size to the caller. The buffer size specified by BUFSIZE was not sufficient to hold all of the consoles returned by IEEQEMCS. Action: Issue IEEQEMCS again with the TOKEN and RECSIZE parameters.
		...1 ..1.		IEEQE_RC_INVTOK	"X'00000012" Meaning: Invalid token in parameter list. Action: Issue IEEQEMCS again with a correct token or a token of zeros.
		...1 .11.		IEEQE_RC_INVPL	"X'00000016" Meaning: Invalid parameter list. Action: Refer to the action provided with the specific reason code.
		.... .1..		IEEQE_RS_INVACRN	"X'00000004" Meaning: The acronym in the parameter list was invalid. Action: Correct the acronym in the parameter list and issue IEEQEMCS again.
		.... 1...		IEEQE_RS_INVADDR	"X'00000008" Meaning: An output address is invalid. An ABEND occurred while trying to access storage at an address specified in the parameter list, possibly because that storage is not accessible by the caller, or the storage does not exist. Action: Correct the invalid address in the parameter list and issue IEEQEMCS again.
		...1 ..1.		IEEQE_RS_INVBUFSIZEADDR	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1 .11.		IEEQE_RS_INVLGTH	"X'00000012" Meaning: The length of the buffer in the parameter list was invalid. Action: Correct the buffer length in the parameter list and issue IEEQEMCS again.
		..1.		IEEQE_RS_INVVERS	"X'00000016" Meaning: The length of the parameter list is invalid. Action: Correct the length in the parameter list and issue IEEQEMCS again.
		..1. .1..		IEEQE_RS_INVFUNC	"X'00000020" Meaning: The version specified in the parameter list is invalid. Action: Correct the version in the parameter list and issue IEEQEMCS again.
		..1. 1...		IEEQE_RS_INVSTAT	"X'00000024" Meaning: The REQUEST type specified in the parameter list is not a valid REQUEST type. Action: Correct the REQUEST type in the parameter list and issue IEEQEMCS again.
		..11 ..1.		IEEQE_RS_INVAUTH	"X'00000028" Meaning: The STATUS specified in the parameter list is not a valid STATUS type. Action: Correct the STATUS in the parameter list and issue IEEQEMCS again.
		..11 .11.		IEEQE_RS_INVDOM	"X'00000032" Meaning: The command authority specified in the parameter list is not a valid command authority type. Action: Correct the AUTH in the parameter list and issue IEEQEMCS again.
		.1..		IEEQE_RS_INCONSIST	"X'00000036" Meaning: The DOM attribute specified in the parameter list is not a valid DOM attribute type. Action: Correct the DOM in the parameter list and issue IEEQEMCS again.
		.1.. .1..		IEEQE_RS_INVATTR	"X'00000040" Meaning: A set of parameters specified in the parameter list conflict with each other. Action: Correct the parameter list to not have conflicting parameters and issue IEEQEMCS again.
		.11. .1..		IEEQE_RC_SYSERR	"X'00000044" Meaning: The routing attributes specified in the parameter list are not valid routing attribute types. Action: Correct the ATTR field in the parameter list and issue IEEQEMCS again.
		.... .1..		IEEQE_RS_SYSABEND	"X'00000064" Meaning: System Error. This return code is for IBM diagnostic purposes only. Action: Record the return and reason codes and supply it to the appropriate IBM support personnel.
		.... 1...		IEEQE_RS_SYSERR	"X'00000004" Meaning: An ABEND occurred during processing. This reason code is for IBM diagnostic purposes only. Action: Record the return and reason codes and supply it to the appropriate IBM support personnel.
					"X'00000008" Meaning: An error occurred during processing. This reason code is for IBM diagnostic purposes only. Action: Record the return and reason codes and supply it to the appropriate IBM support personnel.

IEEZB888 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IEEQE_RC_INVPL	0	16	IEEQE_RS_INVDOM	0	36
IEEQE_RC_INVTOK	0	12	IEEQE_RS_INVFUNC	0	24
IEEQE_RC_NOCONS	0	4	IEEQE_RS_INVLGTH	0	16
IEEQE_RC_NOSTOR	0	8	IEEQE_RS_INVSTAT	0	28
IEEQE_RC_OK	0	0	IEEQE_RS_INVVERS	0	20
IEEQE_RC_SYSERR	0	64	IEEQE_RS_NOTOKSZRET	0	12
IEEQE_RS_INCONSIST	0	40	IEEQE_RS_SYSABEND	0	4
IEEQE_RS_INVACRN	0	4	IEEQE_RS_SYSERR	0	8
IEEQE_RS_INVADDR	0	8	IEEQE_RS_TOKSZCONS	0	4
IEEQE_RS_INVATTR	0	44	IEEQE_RS_TOKSZNOCONS	0	8
IEEQE_RS_INVAUTH	0	32			
IEEQE_RS_INVBUFSIZEADDR	0	12			

IEEZB889 Information

IEEZB889 Programming Interface information

Programming Interface information

IEEZB889

End of Programming Interface information

IEEZB889 Heading Information • IEEZB889 Map

IEEZB889 Heading Information

Common Name: IEECMDS Buffer Mapping
Macro ID: IEEZB889
DSECT Name: CMDS
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: CMDS
 Offset: 4
 Length: 4
Storage Attributes: Main Storage: Yes
 Virtual Storage: No
 Auxiliary Storage: No
 Subpool: Caller's
 Key: Caller's
 Data Space: No
 Residency: Any
Size: Variable
 CMDS_HDR -- X'0030' bytes
 CMDS_ENTRY -- X'00B0' bytes
Created by: IEECMDS
Pointed to by: Set up by caller, pointed to by Register 1 during IEECMDS processing
Serialization: None
Function: Mapping of Command Data returned by Query/Remove Command Service (IEECMDS)

IEEZB889 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMDS_HDR	Command Data Header Mapping
0	(0)	CHARACTER	4	CMDS_ACRN	Eyecatcher
4	(4)	BITSTRING	4	CMDS_VERS	Version
8	(8)	SIGNED	4	CMDS_HDR_SIZE	Size of Header
12	(C)	SIGNED	4	CMDS_SIZE	Size of entire data buffer
16	(10)	SIGNED	4	CMDS_NUMENT	Number of command entries in the output buffer
20	(14)	SIGNED	4	CMDS_NUM_MTCH	Number of commands which match input filters
24	(18)	SIGNED	4	CMDS_NUM_MTCHE	Number of executing commands which match input filters
28	(1C)	SIGNED	4	CMDS_NUM_MTCHEW	Number of waiting commands which match input filters
32	(20)	SIGNED	4	CMDS_NUM_TOTAL	Total number of attached commands in the system
36	(24)	SIGNED	4	CMDS_NUM_TOTE	Total number of attached commands executing
40	(28)	SIGNED	4	CMDS_NUM_TOTW	Total number of attached commands waiting
44	(2C)	CHARACTER	4		Reserved
44	(2C)	X'30'	0	CMDS_HDR_LEN	**-CMDS_HDR"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CMDS_ENTRY	Command ENTRY block
0	(0)	SIGNED	4	CMDS_ENTRY_SIZE	Size of the CMDS_ENTRY block
4	(4)	BITSTRING	2	CMDS_ENTRY_FLGS	Flag bytes
4	(4)	BITSTRING	1	CMDS_ENTRY_FLG1	Flag byte 1

Comment

Bit definitions:

End of Comment

1...	CMDS_ENTRY_EXECUTING	"X'80" Command is executing
.1..	CMDS_ENTRY_WAITING	"X'40" Command is/was waiting for execution
..1.	CMDS_ENTRY_REMOVED	"X'20" REQUEST was REMOVE, command is removed

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
5	(5)	BITSTRING	1	CMDS_ENTRY_FLG2	Flag byte 2
5	(5)	BITSTRING	1		Reserved
6	(6)	CHARACTER	2	CMDS_ENTRY_RSVD1	Reserved
8	(8)	CHARACTER	8	CMDS_ENTRY_TIME	Time stamp (STCK) when command was issued (if waiting) or was attached (if executing)
16	(10)	CHARACTER	4	CMDS_ENTRY_CLASS	Command Class
20	(14)	CHARACTER	4	CMDS_ENTRY_ID	Command ID
24	(18)	CHARACTER	8	CMDS_ENTRY_JOB	Jobname of issuer
32	(20)	CHARACTER	4	CMDS_ENTRY_ASID	ASID of issuer
36	(24)	CHARACTER	8	CMDS_ENTRY_NAME	Command name
44	(2C)	ADDRESS	4	CMDS_ENTRY_TCB	TCB address of executing cmd
48	(30)	CHARACTER	126	CMDS_ENTRY_TEXT	Command text
174	(AE)	CHARACTER	2	CMDS_ENTRY_RSVD2	Reserved
174	(AE)	X'D4C4E2'	0	CMDS_ACR	"C'CMDS" Eyecatcher
174	(AE)	X'30'	0	CMDS_HEADER_LENGTH	"48" Length of header section
174	(AE)	X'B0'	0	CMDS_ENTRY_LENGTH	"176" Length of each entry

Comment

Version numbers

End of Comment

....	...1	CMDS_VERS1	"X'00000001" Version number
....	...1	CMDS_VERID	"X'00000001" Current version number

Comment

Return and Reason Codes

End of Comment

....	....	CMDS_RC_OK	"X'00000000" Meaning: Matching commands have been found. In the case of a REQUEST type of INFO or REMOVE, the output buffer was sufficient to hold all of the information for the commands meeting the search criteria. Action: None required.
....	.1..	CMDS_RC_NOCMDS	"X'00000004" Meaning: No commands meet the specified filters. Action: None required.
....	1...	CMDS_RC_NOSTOR	"X'00000008" Meaning: Insufficient return buffer storage to complete the query operation. Action: Refer to the action provided with the specific reason code.
....	.1..	CMDS_RS_SOMECMDS	"X'00000004" Meaning: The output buffer is too small to contain all requested information, but does contain the information for one or more commands. Action: The count of matching commands has been returned. Adjust the buffer size so that it is at least as large as the count multiplied by the the length of an entry, plus the length of the header. Constants CMDS_HEADER_LENGTH and CMDS_ENTRY_LENGTH represent these amounts.
....	1...	CMDS_RS_NOCMDS	"X'00000008" Meaning: The output buffer is too small to contain the information for even one command. Action: The count of matching commands has been returned. Adjust the buffer size so that it is at least as large as the count multiplied by the the length of an entry, plus the length of the header. Constants CMDS_HEADER_LENGTH and CMDS_ENTRY_LENGTH represent these amounts.
...1	....	CMDS_RC_INVPL	"X'00000010" Meaning: Invalid parameter list. Action: Refer to the action provided with the specific reason code.
....	.1..	CMDS_RS_INVACRN	"X'00000004" Meaning: The acronym in the parameter list was invalid. Action: Correct the acronym in the parameter list and issue IEECMDS again.

IEEZB889 Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		CMDS_RS_INVADDR	"X'00000008" Meaning: An output address is invalid. An ABEND occurred while trying to access storage at an address specified in the parameter list, possibly because that storage is not accessible by the caller, or the storage does not exist. Action: Correct the invalid address in the parameter list and issue IEECMDS again.
		.... 11..		CMDS_RS_INVBUFFER	"X'0000000C" Meaning: The address or length of the buffer in the parameter list was invalid. Action: Correct the buffer length in the parameter list and issue IEECMDS again.
		...1		CMDS_RS_INVLGTH	"X'00000010" Meaning: The length of the parameter list is invalid. Action: Correct the length in the parameter list and issue IEECMDS again.
		...1 .1..		CMDS_RS_INVVERS	"X'00000014" Meaning: The version specified in the parameter list is invalid. Action: Correct the version in the parameter list and issue IEECMDS again.
		...1 1...		CMDS_RS_INVFUNC	"X'00000018" Meaning: The REQUEST type specified in the parameter list is not a valid REQUEST type. Action: Correct the REQUEST type in the parameter list and issue IEECMDS again.
		...1 11..		CMDS_RS_INVCLASS	"X'0000001C" Meaning: The CLASS specified in the parameter list is not a valid CLASS name. Action: Correct the CLASS in the parameter list and issue IEECMDS again.
		..1.		CMDS_RS_INVID	"X'00000020" Meaning: The ID specified in the parameter list is not a valid ID value. The ID value must be a decimal number in EBCDIC (printable) characters. Action: Correct the ID in the parameter list and issue IEECMDS again.
		.1..		CMDS_RC_SYSERR	"X'00000040" Meaning: System Error. This return code is for IBM diagnostic purposes only. Action: Record the return and reason codes and supply it to the appropriate IBM support personnel.
		.... .1..		CMDS_RS_SYSABEND	"X'00000004" Meaning: An ABEND occurred during processing. This reason code is for IBM diagnostic purposes only.
		.... 1...		CMDS_RS_SYSERR	"X'00000008" Meaning: An error occurred during processing. This reason code is for IBM diagnostic purposes only.
174	(AE)	BITSTRING	0	CMDS_RC_CMD_NOT_ABENDABLE	"X'0000F001" Meaning: MarkCMDSAbend has been requested but could not be processed since the command is marked non-abendable. Action: None
174	(AE)	X'B0'	0	CMDS_ENTRY_LEN	**CMDS_ENTRY"

IEEZB889 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CMDS_ACR	AE	D4C4E2	CMDS_ENTRY_REMOVED		
CMDS_ACRN	0		CMDS_ENTRY_RSVD1	4	20
CMDS_ENTRY	0		CMDS_ENTRY_RSVD2	6	
CMDS_ENTRY_ASID	20		CMDS_ENTRY_RSVD2	AE	
CMDS_ENTRY_CLASS	10		CMDS_ENTRY_SIZE	0	
CMDS_ENTRY_EXECUTING	4	80	CMDS_ENTRY_TCB	2C	
CMDS_ENTRY_FLGS	4		CMDS_ENTRY_TEXT	30	
CMDS_ENTRY_FLG1	4		CMDS_ENTRY_TIME	8	
CMDS_ENTRY_FLG2	5		CMDS_ENTRY_WAITING	4	40
CMDS_ENTRY_ID	14		CMDS_HDR	0	
CMDS_ENTRY_JOB	18		CMDS_HDR_LEN	2C	30
CMDS_ENTRY_LEN	AE	B0	CMDS_HDR_SIZE	8	
CMDS_ENTRY_LENGTH	AE	B0	CMDS_HEADER_LENGTH	AE	30
CMDS_ENTRY_NAME	24		CMDS_NUM_MTCH	14	
			CMDS_NUM_MTCHE		

Name	Hex Offset	Hex Value
	18	
CMDS_NUM_MTCHW		
	1C	
CMDS_NUM_TOTAL		
	20	
CMDS_NUM_TOTE		
	24	
CMDS_NUM_TOTW		
	28	
CMDS_NUMENT	10	
CMDS_RC_CMD_NOT_ABENDABLE	AE	F001
CMDS_RC_INVPL		
	AE	10
CMDS_RC_NOCMDS		
	AE	4
CMDS_RC_NOSTOR		
	AE	8
CMDS_RC_OK	AE	0
CMDS_RC_SYSERR		
	AE	40
CMDS_RS_INVACRN		
	AE	4
CMDS_RS_INVADDR		
	AE	8
CMDS_RS_INVBUFFER		
	AE	C
CMDS_RS_INVCLASS		
	AE	1C
CMDS_RS_INVFUNC		
	AE	18
CMDS_RS_INVID		
	AE	20
CMDS_RS_INVLGTH		
	AE	10
CMDS_RS_INVVERS		
	AE	14
CMDS_RS_NOCMDS		
	AE	8
CMDS_RS_SOMECMDS		
	AE	4
CMDS_RS_SYSABEND		
	AE	4
CMDS_RS_SYSERR		
	AE	8
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CMDS_VERS	4	
CMDS_VERS1	AE	1

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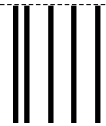


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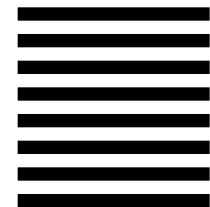
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