z/OS

MVS Data Areas, Volume 1 (ABEP - DALT)

GA22-7581-10

z/OS

MVS Data Areas, Volume 1 (ABEP - DALT)

GA22-7581-10

Note

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 921.

Eleventh Edition, September 2006

This is a major revision of GA22-7581-09.

This edition applies to Version 1, Release 8 of z/OS (5694-A01), Version 1, Release 8 of z/OS.e (5655-G52), and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this document

This document provides graphic presentations of many data areas used by the z/OS operating system and by application programs. This document provides the data areas that are one or more of the following:

- Programming interfaces
- Needed for debugging or diagnosis.

This document supports z/OS (5694-A01) and z/OS.e (5655-G52).

Who should use this document

This document 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 publication should have a working knowledge of the functions and logic of the operating system.

How to use this document

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

There are five volumes of *Data Areas*. The following list shows the range of data areas included in each volume:

z/OS MVS Data Areas, Vol 1 (ABEP-DALT)	GA22-7581
z/OS MVS Data Areas, Vol 2 (DCCB-ITZYRETC)	GA22-7582
z/OS MVS Data Areas, Vol 3 (IVT-RCWK)	GA22-7583
z/OS MVS Data Areas, Vol 4 (RD-SRRA)	GA22-7584
z/OS MVS Data Areas, Vol 5 (SSAG-XTLST)	GA22-7585

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:

- **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.

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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:

- 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.

Where to find more information

For complete titles and order numbers of the documents for all products that are part of z/OS, see *z/OS Information Roadmap*.

Using LookAt to look up message explanations

LookAt is an online facility that lets you look up explanations for most of the IBM messages you encounter, as well as for some system abend and codes. Using LookAt to find information is faster than a conventional search because in most cases LookAt goes directly to the message explanation.

You can use LookAt from the following locations to find IBM message explanations for z/OS elements and features, z/VM, VSE/ESA, and Clusters for AIX and Linux:

- The Internet. You can access IBM message explanations directly from the LookAt Web site at http://www.ibm.com/servers/eserver/zseries/zos/bkserv/lookat/.
- Your z/OS TSO/E host system. You can install code on your z/OS or z/OS.e systems to access IBM message explanations using LookAt from a TSO/E command line (for example: TSO/E prompt, ISPF, or z/OS UNIX System Services).
- Your Microsoft Windows workstation. You can install LookAt directly from the *z/OS Collection* (SK3T-4269) or the *z/OS and Software Products DVD Collection* (SK3T4271) and use it from the resulting Windows graphical user interface (GUI). The command prompt (also known as the DOS > command line) version can still be used from the directory in which you install the Windows version of LookAt.
- Your wireless handheld device. You can use the LookAt Mobile Edition from http://www.ibm.com/servers/eserver/zseries/zos/bkserv/lookat/lookatm.html with a handheld device that has wireless access and an Internet browser (for example: Internet Explorer for Pocket PCs, Blazer or Eudora for Palm OS, or Opera for Linux handheld devices).

You can obtain code to install LookAt on your host system or Microsoft Windows workstation from:

- A CD-ROM in the *z/OS Collection* (SK3T-4269).
- The *z/OS and Software Products DVD Collection* (SK3T4271).

- The LookAt Web site (click **Download** and then select the platform, release, collection, and location that suit your needs). More information is available in the LOOKAT.ME files available during the download process.

Using IBM Health checker for z/OS

IBM Health Checker for z/OS is a z/OS component that installations can use to gather information about their system environment and and system parameters to help identify potential configuration problems before they impact availability or cause outages. Individual products, z/OS components, or ISV software can provide checks that take advantage of the IBM Health Checker for z/OS framework. This book refers to checks or messages associated with this component.

For additional information about checks and about IBM Health Checker for z/OS, see *IBM Health Checker for z/OS: User's Guide*. z/OS V1R4, V1R5, and V1R6 users can obtain the IBM Health Checker for z/OS from the z/OS Downloads page at http://www.ibm.com/servers/eserver/zseries/zos/downloads/.

SDSF also provides functions to simplify the management of checks. See *z/OS SDSF Operation and Customization* for additional information.

Information updates on the web

For the latest information updates that have been provided in PTF cover letters and Documentation APARs for z/OS and z/OS.e, see the online document at:

`publibz.boulder.ibm.com/cgi-bin/bookmgr_OS390/BOOKS/ZIDOCMT/CCONTENTS`

This document is updated weekly and lists document changes before they are incorporated into z/OS publications.

Summary of changes

Summary of changes
for GA22-7581-10
z/OS Version 1 Release 8

This document contains information previously presented in *z/OS MVS Data Areas*, GA22-7581-09, which supports z/OS Version 1 Release 7.

New Information

- CNZMYM2S
- CNZMYWMX

This document contains terminology, maintenance, and editorial changes.

Summary of changes
for GA22-7581-09
z/OS Version 1 Release 7

This document contains information previously presented in *z/OS MVS Data Areas*, GA22-7581-08, which supports z/OS Version 1 Release 6.

New Information

- AHLMCWRC
- BLSQEXTP
- CNZMYQUA

This document contains terminology, maintenance, and editorial changes.

Summary of changes
for GA22-7581-08
z/OS Version 1 Release 6

This document contains information previously presented in *z/OS MVS Data Areas*, GA22-7581-07, which supports z/OS Version 1 Release 5.

New Information

- CSVXMENV

This document contains terminology, maintenance, and editorial changes.

Summary of changes
for GA22-7581-07
z/OS Version 1 Release 5

This document contains information previously presented in *z/OS MVS Data Areas*, GA22-7581-06, which supports z/OS Version 1 Release 4.

This document contains terminology, maintenance, and editorial changes.

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Data Areas Volume 1 (ABEP - DALT)

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ABEP Programming Interface Information

Programming Interface Information

ABEP

End of Programming Interface Information

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ABEP Heading Information

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

ABEP Map

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

ABEP Cross Reference

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

ACA Heading Information

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

ACA Map

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

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ACA Cross Reference

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

ACE Heading Information

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

ACE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	56	ACE	ASM Control Element
0	(0)	CHARACTER	4	ACEID	ACE control block ID C'ACE ' (COMMON)
4	(4)	CHARACTER	52	ACEBODY	Body of the ACE, omitting the control block ID
4	(4)	ADDRESS	4	ACEFQPA	Forward queue pointer for VIO process queue (COMMON)
8	(8)	ADDRESS	4	ACEBQPA	Back queue pointer for VIO process queue (COMMON)
12	(C)	UNSIGNED	1	ACEOP	Operation code (COMMON)
13	(D)	BIT(8)	1	ACEFLG1	First flag field
		1...		ACEUSYM	Release 'S' symbol flag. 1 = 'S' symbol in ACE for release group, 0 = LGN in ACE for release LG
		.1..		ACETRPWT	Transfer page waiting flag. 1 = Transfer page operation waiting for paging I/O to complete, 0 = Operation not waiting on paging I/O
		..1.		ACEOVRID	Transfer page override flag. 1 = Ignore LPME in progress flag, 0 = No override in effect
		...1		ACENOACT	No active ASPCT flag. 1 = No active ASPCT exists for release LG request, 0 = Active ASPCT exists for release LG request
		.... 1...		ACEIOER	I/O error flag
		.... .1..		ACESTGER	Storage error flag
		.... ..1.		ACEVRCT	Vio in Real Cache Transfer
		1		ACETRLH	Indicate that the ASM locks are held for this transfer page request
14	(E)	BIT(8)	1	ACEFLG2	Reserved

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ACE Constants

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
15	(F)	BIT(8)	1	ACEFLG3	Primary status flags. These flags correspond to flags in AIAFLG3, any changes should be made in both control blocks at the same time
		1...		ACEGRPRQ	Group request flag. 1 = ACE is for a group request, 0 = ACE is for transfer page request
		.1..		ACEPRINO	Process in operation flag. 1 = Process requested has been started, 0 = Request has not been started
		..1.		ACERSV6	Reserved, used in AIA
		...1		ACERSV7	Reserved, used in AIA
		.... 1...		ACELPMEC	Auxiliary locator status flag. 1 = LPID converted to LPME LPME in ACE, 0 = LPID in ACE
		.... .1..		ACERSV8	Reserved, used in AIA
		.... ..1.		ACERSV9	Reserved, used in AIA
		1		ACERSV10	Reserved, used in AIA
16	(10)	ADDRESS	4	ACELGE	Address of LGE whose process queue this ACE resides on
20	(14)	CHARACTER	8	ACELGN	LGN of logical group to be processed if a group opera- tion, the RPN portion should always be zero in this case
20	(14)	SIGNED	4	ACELGID	The LG identifier of the logical group
24	(18)	UNSIGNED	4	ACERPN	The relative page number portion of the LGN, should always be 0 if ACEGRPRQ=1
24	(18)	ADDRESS	4	ACETLPME	Target LPME address for transfer page ACE
28	(1C)	SIGNED	4	ACERSV11	Reserved
32	(20)	ADDRESS	4	ACEASCB	ASCB for a transfer page request (COMMON)
36	(24)	CHARACTER	8	ACESYM	Storage locator 'S' symbol for saved VIO logical group
36	(24)	SIGNED	4	ACESRCID	Source LSID for transfer page operation or source Vio in Real Cache Token for transfer page operation
36	(24)	CHARACTER	4	ACEVLSID	VIO reference to source LSID
36	(24)	UNSIGNED	1	ACEVLSNN	LSID NN number
40	(28)	ADDRESS	4	ACEAIAPT	Pointer to AIA for page-out operation that will create source LSID if none already exists
44	(2C)	SIGNED	4	ACEECB	ECB that ILRGOS uses to wait for other operations on a logical group to complete before starting requested save or activate request
48	(30)	SIGNED	4	ACESRBWK	SRB controller work word
52	(34)	CHARACTER	4	ACERSV1	Reserved
56	(38)	CHARACTER	0	*	For alignment

ACE Constants

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

ACE Cross Reference

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

ADB Heading Information

Common Name: Allocation Descriptor Block (ADB)
Macro ID: IEFZB4H1
DSECT Name: ADB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: ADB
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Subpool: 230
Key: 1
Data Space: No
Residency: Any
Size: 72 decimal bytes
Created by: IEFHB4I1
Pointed to by: JESALLOP in IEFJESCT
Serialization: Each field is serialized individually.
Function: This macro provides a symbolic mapping of the anchor of all other control blocks in the allocation address space and contains data pertaining to Shared tape structure IEFAUTOS

ADB Map

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

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ADB Constants

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

ADB Cross Reference

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

ADSR Programming Interface information

Programming Interface information

ADSR

End of Programming Interface information

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ADSR Heading Information

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

ADSR Map

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

Comment

Section 2 of the symptom record

End of Comment

64	(40)	CHARACTER	2	ADSRARID	Architectural level of the symptom record
66	(42)	SIGNED	2	ADSRL	Length of section 2
68	(44)	SIGNED	2	ADSRCSL	Length of section 2.1 (ADSRCMPS)
70	(46)	SIGNED	2	ADSRCSO	Offset of section 2.1 (ADSRCMPS)
72	(48)	SIGNED	2	ADSRDBL	Length of section 3 (ADSRDBST)
74	(4A)	SIGNED	2	ADSRDBO	Offset of section 3 (ADSRDBST)
76	(4C)	SIGNED	2	ADSRROSL	Length of section 4 (ADSRROSD)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
78	(4E)	SIGNED	2	ADSRROSA	Offset of section 4 (ADSRROSD)
80	(50)	SIGNED	2	ADSRRONL	Length of section 5 (ADSR5ST)
82	(52)	SIGNED	2	ADSRRONA	Offset of section 5 (ADSR5ST)
84	(54)	SIGNED	2	ADSRRISL	Length of section 6
86	(56)	SIGNED	2	ADSRRISA	Offset of section 6
88	(58)	CHARACTER	8	ADSRSRES	System data
96	(60)	CHARACTER	16		Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ADSRCMPS	- DSECT name for section 2.1
0	(0)	CHARACTER	4	ADSRC	Identifier for section 2.1
4	(4)	CHARACTER	2	ADSRCRL	Architectural level of the symptom record
6	(6)	CHARACTER	9	ADSRCID	Component identifier
15	(F)	BITSTRING	1	ADSRFLC	Component status flags
		1...		ADSRNIBM	"X'80'" Non-IBM program
16	(10)	CHARACTER	4	ADSRLVL	Component level
20	(14)	CHARACTER	8	ADSRPTF	PTF level
28	(1C)	CHARACTER	8	ADSRPID	PID level
36	(24)	CHARACTER	8	ADSRPIDL	PID release level
44	(2C)	CHARACTER	32	ADSRCDSC	Text description
76	(4C)	BITSTRING	4	ADSRRET	Return code
80	(50)	BITSTRING	4	ADSRREA	Reason code
84	(54)	CHARACTER	8	ADSRPRID	Problem identifier
92	(5C)	CHARACTER	8	ADSRSSID	Subsystem identifier

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

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

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

ADSR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADSR	0		ADSRDBL	48	
ADSRARID	40		ADSRDBO	4A	
ADSRASYN	37	40	ADSRDBST	0	
ADSRC	0		ADSRDTP	38	
ADSRCDSC	2C		ADSRFLC	F	
ADSRCID	6		ADSRFL1	36	
ADSRCML	2E		ADSRFL2	37	
ADSRCMPS	0		ADSRGMT	C	
ADSRCPM	2		ADSRID	0	
ADSRCPS	6		ADSRL	42	
ADSRCRL	4		ADSRLVL	10	
ADSRCSL	44		ADSRNALT	37	20
ADSRCSO	46		ADSRNIBM	F	80
ADSRDAEN	36	4	ADSRNOTD	37	80
ADSRDATE	1C		ADSRPID	1C	

ADSR Cross Reference

Name	Hex Offset	Hex Value
ADSRPIDL	24	
ADSRPMOD	36	20
ADSRPRID	54	
ADSRPTF	14	
ADSRREA	50	
ADSRRET	4C	
ADSRRISA	56	
ADSRRISL	54	
ADSRRONA	52	
ADSRRONL	50	
ADSRROSA	4E	
ADSRROSD	0	
ADSRROSL	4C	
ADSRSGEN	36	10
ADSRSID	22	
ADSRSMOD	36	8
ADSRSRES	58	
ADSRSSID	5C	
ADSRSYS	2A	
ADSRTIME	10	
ADSRTOD	14	
ADSRTRNC	36	40
ADSR5ST	0	

ADYENF Programming Interface information

Programming Interface information

ADYENF

End of Programming Interface information

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ADYENF Heading Information

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

ADYENF Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ADYENF	DAE Event Notification Parameter List
0	(0)	CHARACTER	4	ADYENFACRONYM	Eyecatcher C'ENFD'
4	(4)	CHARACTER	5	ADYENFCOMPONENT	DAE Component 'SC143'
9	(9)	SIGNED	1	ADYENFVERSION	Version (1,2,3...)
10	(A)	CHARACTER	2	ADYENFQUAL (0)	ENF Qualifier
10	(A)	SIGNED	1	ADYENFEVENT	Event Number - 47.
11	(B)	SIGNED	1	ADYENFRECTYPE	Function code, listed below.
12	(C)	CHARACTER	260	ADYENFDATA (0)	The following data has been taken from the dump and/or the system in general. If a field is 0, it was not available.
12	(C)	SIGNED	2	ADYENFTIME	NOTIFY Time interval
14	(E)	SIGNED	2	ADYENFCOUNT	NOTIFY Event Threshold
16	(10)	SIGNED	4	ADYENFREQ	Actual Number of Dumps Requested since the last time a Notify was issued.
20	(14)	CHARACTER	8	ADYENFTIMESTAMPF	Timestamp of the first event in this interval. This field is produced using STCK when the event (either Suppressed Dump or Complete Dump) completes. It has NOT been adjusted to local time.
28	(1C)	CHARACTER	8	ADYENFTIMESTAMPL	Timestamp of the last event in this interval. This field is produced using STCK, and has NOT been adjusted to local time.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
36	(24)	CHARACTER	10	ADYENFERRORID (0)	
					Original ErrorID
36	(24)	SIGNED	2	ADYENFERSEQ	Errorid sequence number
38	(26)	SIGNED	2	ADYENFERCPU	
40	(28)	SIGNED	2	ADYENFERAS	Errorid ASID
42	(2A)	SIGNED	4	ADYENFTIMES	
46	(2E)	BITSTRING	2	ADYENFFLAGS (0)	Flags
		1...		ADYENFFLAGSTRUNCATED	
					"X'80'" Symptom String was truncated to 150 Characters.
46	(2E)	BITSTRING	1		Reserved
48	(30)	CHARACTER	44	ADYENFDSNAME	Dump Data Set Name
92	(5C)	SIGNED	2	ADYENFSYMPTOMSTRINGLEN	
					Symptom String length. Length of the symptom string includes one blank at the end of the string.
94	(5E)	SIGNED	2	ADYENFSYMPTOMCOUNT	
					Count of number of symptoms in the symptom string.
96	(60)	CHARACTER	150	ADYENFSYMPTOMSTRING	
					Symptom String generated by DAE based on either input from the SDWA, or the symptom record passed to SVC Dump. Padded on the right with blanks.
246	(F6)	CHARACTER	26	ADYENFXXX	Reserved
272	(110)	CHARACTER	1	ADYENFEND (0)	The End
		1		ADYENFRECTYPETHRESHOLD	
					"X'01'" Threshold exceeded
272	(110)	X'D5C6C4'	0	ADYENFEYECATCHER	
					"C'ENFD'" String to be placed in ADYENFAcronym
272	(110)	X'96'	0	ADYENFMAXSYMPTOMSTRING	
					"150" The maximum length of the symptom string (which contains a blank at the end) is 150 Characters.
272	(110)	X'1'	0	ADYENFVERSION1	
					"1" Version 1
272	(110)	X'1'	0	ADYENFVERSIONCURRENT	
					"1" Current Version.
272	(110)	X'110'	0	ADYENF_LEN	"*-ADYENF"

ADYENF Cross Reference

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

ADYENF Cross Reference

Name	Hex Offset	Hex Value
	110	1
ADYENFXXX	F6	

ADYEVENT Heading Information

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

ADYEVENT Map

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

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ADYEVENT Constants

Len	Type	Value	Name	Description
4	DECIMAL	225	EVENTSPCONST	Subpool

ADYEVENT Cross Reference

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

AE Heading Information

Common Name: VSM Allocated Element
Macro ID: IHAAE
DSECT Name: AE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
Key: 0
Residency: Above 16M line
Size: 17 bytes
Created by: IGVGLSQA, IGVFLSQA
Pointed to by: TCBAE, TCBEAE, AENEXT, AEPREV
Serialization: LOCAL lock
Function: Describes TASK and JOB related LSQA space. Freed automatically at the end of task or job step.

AE Map

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

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AHLMCWRC Programming Interface information

Programming Interface information

AHLMCWRC

End of Programming Interface information

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AHLMCWRC Heading Information

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

AHLMCWRC Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MCWRC	, CCW TRACE ENTRY
0	(0)	ADDRESS	4	MCWASCB	ADDRESS SPACE CAUSING INTERRUPT
4	(4)	BITSTRING	2	MCWCPUID	CPU CAUSING INTERRUPT
6	(6)	CHARACTER	8	MCWJOB	JOBNAME CAUSING TRACE FROM FROM ASCBJBNS OR ASCBJBNI
14	(E)	BITSTRING	2	MCWDEVAD	DEVICE ADDR CAUSING TRACE
16	(10)	SIGNED	2	MCWDATAL	MAX AMOUNT OF DATA TO FOLLOW
18	(12)	BITSTRING	1	MCWFLG1	ID FOR CCWTRACE FORMATTER
		Comment			
		EQU BIT0 Reserved			
		End of Comment			
		.1..		MCWEIDAW	"BIT1" 64 bit IDAWs are being traced
		..1.		MCWFMT	"BIT2" FORMAT OF CCWS. 0 IMPLIES FORMAT ZERO CCWS ARE BEING TRACED. 1 IMPLIES FORMAT ONE CCWS ARE BEING TRACED.
		...1		MCWEWA	"BIT3" RECORD CONTAINS A EWA
		.... 1...		MCWIOSB	"BIT4" RECORD CONTAINS A IOSB
		.... .1..		MCWLAST	"BIT5" THIS IS THE LAST RECORD FOR THIS EVENT (EG: SIO)
		.... ..1.		MCWMSG	"BIT6" RECORD CONTAINS A MESSAGE
		1		MCWLOST	"BIT7" END OF CHAIN NOT FOUND
19	(13)	SIGNED	2	MCWRECNO	SEQUENTIAL RECORD COUNT FOR PRINT DUMP OF THIS EVENT (EG: SIO)
21	(15)	SIGNED	1	MCWTVSN	CCW record version
21	(15)	X'0'	0	MCWVERSIONNUMBER0	"0,1,C'F'" Pre V1R6 MCW Version
21	(15)	X'1'	0	MCWVERSIONNUMBER1	"1,1,C'F'" V1R6 Version of the MCW with PAV support.
21	(15)	X'2'	0	MCWVERSIONNUMBER2	"2,1,C'F'" V1R6 Version of the MCW with MIDAW support.
21	(15)	X'3'	0	MCWVERSIONNUMBER3	"3,1,C'F'" V1R7 Version of the MCW with SubChannel Set Support
21	(15)	X'3'	0	MCWCURRVERSIONNUMBER	"MCWVERSIONNUMBER3,1,C'F'" The current version of the MCW
22	(16)	BITSTRING	1	MCWSSID	SubChannel set ID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
23	(17)	SIGNED	1	MCWUCBWGT	From UCB, has UCBMTPXP
24	(18)	BITSTRING	2	MCWBASE	Device no. for a PAV
26	(1A)	BITSTRING	3	MCWRSVD2	Reserved
29	(1D)	CHARACTER	0	MCWREC (0)	Variable Data Area
29	(1D)	CHARACTER	235	MCWREC1 (0)	Variable data area
29	(1D)	SIGNED	1	MCWTRTID	TRANSLATE TABLE ID FOR FORMATTER
30	(1E)	CHARACTER	234	MCWCCWA	START CCW AND DATA FIELD

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MCWCCWA1	,
0	(0)	BITSTRING	2	MCWFLG2 (0)	
0	(0)	BITSTRING	1	MCWFLG2A	Byte 1 of MCWFLG2
		1...		MCWMOD	"BIT0" CCW HAS MODIFY ABILITY
		.1..		MCWNODAT	"BIT1" NO DATA TRACED FOR THIS CCW
		..1.		MCWCMCDS	"BIT2" COMMAND CODE SAVED
		...1		MCWRDBKW	"BIT3" COMMAND CODE IS READ BACKWARD
		 1111		MCWCMDCD	"BIT4+BIT5+BIT6+BIT7" SAVE AREA FOR CCW COMD CODE
1	(1)	BITSTRING	1	MCWFLG2B	Byte 2 of MCWFLG2
		1...		MCWDATA1	"BIT0" RECORD CONTAINS CONTINUATION OF DATA FROM PREVIOUS RECORD
		.1..		MCWCDBIT	"BIT1" THIS CCW DOES A CHAIN DATA
		..1.		MCWIDAW1	"BIT2" IDAW INDICATOR FLAG FOR PRINTDUMP FORMATTER
		...1		MCWDATER	"BIT3" ERROR IN DATA TRACED-NO DATA FORMATTED
		.... 1...		MCWSPLIT	"BIT4" MORE DATA AVAILABLE THAN FORMATTED
		.... .1..		MCWLAST1	"BIT5" LAST CCW TO BE EXECUTED
		.... ..1.		MCWTIC	"BIT6" TIC INST NO DATA TRANSFERRED
		1		MCWLOST1	"BIT7" CCW CHAIN LOST AT THIS POINT
2	(2)	SIGNED	2	MCWDALNH	LENGTH OF DATA IN THIS CCW. FOR DATA CONTINUATION, IT IS THE RESIDUAL COUNT
4	(4)	SIGNED	1	MCWDATLN	LENGTH OF DATA IN THIS REC
5	(5)	CHARACTER	1	MCWOLDCCWB (0)	Location of the Format 0 MCW's CCWB
5	(5)	BITSTRING	1	MCWFLG3	MCW FLAG 3
		1...		MCWMIDAW1	"BIT0" MIDAWs ARE ASSOCIATED WITH WITH THIS RECORD.
6	(6)	BITSTRING	2		RESERVED
8	(8)	SIGNED	4	MCWCCWB (0)	AREA FOR CCW ADDR,CCW & CNT also IDAW and MIDAWs
8	(8)	ADDRESS	4	MCWCCWAD	VIRTUAL ADDRESS OF CCW
12	(C)	BITSTRING	8	MCWCCW	CCW BEING TRACED
20	(14)	BITSTRING	4		Extra Area for MIDAW
24	(18)	CHARACTER	1	MCWCCWL (0)	AREA FOR LENGTH AND DATA

Comment

MCWFmt0CCWB is defined on MCWOldCCWB and overlays MCWFLG3 to MCWCCWL

End of Comment

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
16	(10)	SIGNED	2	MCWIDACT	ACTUAL IDAW LENGTH
18	(12)	SIGNED	2		UNUSED

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MCWCCWA1	,
8	(8)	BITSTRING	1	MCWMIDAW (0)	MAPPING FOR MODIFIED INDIRECT DATA ADDRESS WORD ENTRY
8	(8)	BITSTRING	5		RESERVED IN THE MIDAW
13	(D)	BITSTRING	1	MCWMIDAFLG1	FLAGS
		1...		MCWMIDALAST	"BIT0" THIS IS THE LAST MIDAW IN A CONTIGUOUS LIST OF MIDAWS
		.1..		MCWMIDASKIP	"BIT1" SKIP THE TRANSFER OF INFORMATION TO MAIN STORAGE DURING A READ, READ BACKWARDS, SENSE ID OR SENSE OPERATION.
14	(E)	SIGNED	2	MCWMIDACNT	COUNT
16	(10)	ADDRESS	8	MCWMIDAADDR (0)	DATA ADDRESS (64 BIT)
16	(10)	ADDRESS	4	MCWMIDAAH	HIGH ORDER WORD OF ADDR
20	(14)	ADDRESS	4	MCWMIDAAL	LOW ORDER WORD OF ADDR

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

AHLMCWRC Cross Reference

Name	Hex Offset	Hex Value
AHLPAV	0	8
AHLUCBWGT	0	
AHLUCBWGTR0	0	80
AHLUCBWGTR1	0	40
AHLUCBWGTR2	0	20
AHLUCBWGTR3	0	10
AHLUCBWGTR5	0	4
AHLUCBWGTR6	0	2
AHLUCBWGTR7	0	1
MCWASCB	0	
MCWBASE	18	
MCWBLKAD	10C	
MCWBLKHD	108	
MCWBLKID	108	
MCWBLKLN	110	
MCWCCW	C	
MCWCCWA	1E	
MCWCCWAD	8	
MCWCCWA1	0	
MCWCCWA1	0	
MCWCCWB	8	
MCWCCWB1	0	
MCWCCWL	18	
MCWCDBIT	1	40
MCWCMCDS	0	20
MCWCMDCD	0	F
MCWCPUID	4	
MCWCURRVERSIONNUMBER	15	3
MCWDALNH	2	
MCWDATA	0	
MCWDATAL	10	
MCWDATA1	1	80
MCWDATER	1	10
MCWDATLN	4	
MCWDEVAD	E	
MCWEIDAW	12	40
MCWEWA	12	10
MCWFLG1	12	
MCWFLG2	0	
MCWFLG2A	0	
MCWFLG2B	1	
MCWFLG3	5	
MCWFMT	12	20
MCWFMT0CCW	9	
MCWFMT0CCWAD	5	
MCWFMT0CCWB	5	
MCWFMT0CCWL	11	
MCWIDACT	10	
MCWIDADA	C	
MCWIDADH	8	
MCWIDAW	8	
MCWIDAWA	8	
MCWIDAW1	1	20
MCWIDAW64	8	
MCWIOSB	12	8
MCWJOB	6	
MCWLAST	12	4
MCWLAST1	1	4
MCWLOST	12	1
MCWLOST1	1	1
MCWMIDAADDR	10	
MCWMIDAAH	10	
MCWMIDAAL	14	
MCWMIDACNT	E	
MCWMIDAFLG1	D	
MCWMIDALAST	D	80
MCWMIDASKIP	D	40
MCWMIDAW	8	
MCWMIDAW1	5	80
MCWMOD	0	80
MCWMSG	12	2
MCWNODAT	0	40
MCWOLDCCWB	5	
MCWRC	0	
MCWRC	0	
MCWRDBKW	0	10
MCWREC	1D	
MCWRECNO	13	
MCWREC1	1D	
MCWREC2	1D	
MCWRSVD2	1A	
MCWSPLIT	1	8
MCWSSID	16	
MCWTIC	1	2
MCWTRC	112	
MCWTRTID	1D	
MCWTVSN	15	
MCWUCBWGT	17	
MCWVERSIONNUMBER0	15	0
MCWVERSIONNUMBER1	15	1
MCWVERSIONNUMBER2	15	2
MCWVERSIONNUMBER3	15	3

AIA Heading Information

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

AIA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	60	AIA	ASM I/O Area
0	(0)	CHARACTER	4	AIACBID	AIA control block ID C'AIA ' (COMMON)
4	(4)	ADDRESS	4	AIAFQPA	Forward queue pointer of VIO process queue (COMMON)
8	(8)	ADDRESS	4	AIABQPA	Back queue pointer for VIO process queue (COMMON)
12	(C)	UNSIGNED	1	AIAOP	Operation code field. Corresponds to ACEOP in ACE. (COMMON)
13	(D)	BITSTRING	1	AIAFLG1	I/O control flags
		1...		AIAWRITE	Read/write flag. 1 = Write operation, 0 = Read operation
		.1..		AIAPRIV	Page type flag. 1 = Private area flag, 0 = Common area flag
		..1.		AIAVIO	VIO page flag. 1 = Page I/O operation for VIO page, 0 = Normal virtual page
		...1		*	Reserved
				Comment	
		The following flags are used to control a swap-out or swap-in operation.			
				End of Comment	
		.... 1...		AIALSQA	Swap LSQA or working set flag. 1 = Page is an LSQA page, 0 = Page is not an LSQA page
		.... .1..		AIAPAGDS	LSQA page location flag, set only if LSQA flag is set. 1 = LSQA page on a page data set, 0 = LSQA page on a swap data set

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Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		AIASTGER	Storage error indicator - request failed due to bad storage in the frame being written or read
		1		*	Reserved - AIAXMVIO
14	(E)	BITSTRING	1	AIAFLG2	I/O disposition flag. The first several flags direct ASM action on I/O completion events
		1...		AIAIOCMP	I/O completed flag. 1 = This I/O request has been completed and handed to RSM, 0 = This I/O request is not yet completed.
		.1..		AIATERMR	Address space termination flag. 1 = Address space this AIA is associated with has been terminated, 0 = Address space still active
		..1.		AIAIORTY	I/O retry flag. 1 = I/O operation must be retried, 0 = Don't retry I/O operation
		...1		AIASWAP	1 = Request is a swap request - set by RSM

Comment

The following flags are I/O error flags. Normal I/O completion is signaled if all flags are off. Only one flag will be set at a time to indicate the error encountered by ASM to RSM.

End of Comment

		.... 1...		AIAPRIER	Permanent I/O error has occurred for the requested operation. This flag will be on only for read operations. At the time the AIA is returned to RSM, ASM uses the flag internally for both read and write operations. If duplexed write operation, error occurred for primary write operation.
		.... .1..		AIAOFFLN	Frame is going offline at I/O completion
		.... ..1.		AIAERROR	Logical AIA error flag. 1 = AIA contains data inconsistent with previous AIAs in input chain
		1		AIABADID	Invalid auxiliary storage location flag. 1 = The LSID or LPID in the XPTE is invalid or the LSID in the AIA is incorrect
15	(F)	BITSTRING	1	AIAFLG3	VIO controller flags. Used only for VIO controller processing, AIAVIO must be set on, flags in this byte correspond to flags in ACEFLG3
		1...		AIARSV5	Reserved, used in ACE
		.1..		AIAPRINO	Process in operation flag. 1 = Page I/O operation started but not complete, 0 = Page I/O operation has not been started
		..1.		AIATRPSP	Transfer page flag. 1 = AIACEPTR contains address of transfer page ACE, 0 = Non-special AIA
		...1		AIANPCW	Request could not be started because of a lack of PCCWs
		.... 1...		AIALPMEC	Auxiliary locator status flag. 1 = LPID converted to LPME address, address of fixed LPME in AIA, 0 = LPID in AIA

Comment

The following flags support directed VIO.

End of Comment

		.... .1..		AIAPGVIO	VIO flag. 1 = Page is part of a VIO window, 0 = Page is not VIO
		.... ..1.		AIASPILL	VIO spill flag - valid only when AIAVIO or AIAPGVIO = 1. 1 = This VIO page allowed on non-VIO data sets, 0 = This VIO page allowed only on VIO data sets
		1		AIARREC	Recovery recursion flag. 1 = AIA has been processed by recovery, 0 = AIA has not been processed by recovery.
16	(10)	ADDRESS	4	AIANXAIA	Chain pointer for single threaded queues used to pass AIA between RSM and ASM and between different ASM modules
20	(14)	CHARACTER	8	AIAID	Contents of this double word depend on the type of page being moved to or from auxiliary storage. This name is used to reference both LSIDs for a duplexed page.
20	(14)	CHARACTER	8	AIALPID	Field contains an LPID if AIAVIO = 1, and AIALPMEC = 0
20	(14)	UNSIGNED	4	AIALGID	The logical group ID or LGN makes up the first word of the LPID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
20	(14)	UNSIGNED	4	AIALSID	The logical slot identifier (LSID) for the auxiliary storage location of a virtual page (if AIAVIO = 0, or AIAVIO = 1 and AIALPMEC = AIAPRINO = 1)
20	(14)	UNSIGNED	1	AIAPNDX	Index into the PART for this request's primary page data set
21	(15)	CHARACTER	3	AIASLOT	Relative slot number of the primary LSID
21	(15)	UNSIGNED	2	AIAPROW	Row number for indexing the conversion table
23	(17)	UNSIGNED	1	AIAPCOL	Column number for indexing the conversion table
24	(18)	UNSIGNED	4	AIARPN	The relative page number (RPN) portion of an LPID
24	(18)	ADDRESS	4	AIALPMEP	The address of the LPME in the ASPCT for a VIO page, if AIALPMEC is on
24	(18)	ADDRESS	4	AIACEPTR	Address of transfer page ACE requiring LSID from write operation in progress
24	(18)	SIGNED	4	AIASCMPR	Area to save return code to be passed to IARSCOMP - used by ILRPAGCM
28	(1C)	SIGNED	4	*	Reserved - AIAGRPSZ
28	(1C)	ADDRESS	4	AIALGE	The address of the LGE for the logical group owning the VIO page being processed
28	(1C)	SIGNED	4	AIAVRCTK	VIO real cache token
28	(1C)	SIGNED	4	AIAESTE	ESTE address
32	(20)	ADDRESS	4	AIAASCB	ASCB for this request, if it is for the private area (COMMON)
36	(24)	BITSTRING	1	AIAFLG4	Page delete and miscellaneous flags
		1...		AIAPDDEL	Page delete 1:N migration
		.1..		AIAPDRPL	Page delete 1:1 migration
		..1.		AIAIONST	Swap I/O not started flag. 1 = I/O not started, 0 = I/O started.
		...1		AIACNVRT	LSID conversion flag. 1 = LSID has been converted, 0 = LSID not converted.
		.... 1...		AIAFREE	RSM free flag. 1 = RSM intends to free this page, 0 = page will not be freed.
		.... .1..		AIAPURGE	1 = Query and Purge request, valid only for Query-Real
		.... ..1.		AIADNFLS	1 = Do not free LSID, valid only for Moveout-Real
		1		*	Reserved
37	(25)	BITSTRING	3	AIATRACE	AIA Trace footprints
		1...		AIAIODRV	ILRIODRV: Entry to ILRIODRV
		.1..		AIAREDRV	ILRIODRV: Entry to ILREDRV
		..1.		AIASWIO	ILRIODRV: Entry to ILRSWLIO, ILRSWAPO, or ILRSWPIN
		...1		AIAVIODR	ILRIODRV: Entry to ILRVIODR
		.... 1...		AIAPRCPR	ILRIODRV: PROCPARE processed
		.... .1..		AIAPSLTF	ILRIODRV: Primary slot freed
		.... ..1.		AIAPGFLT	ILRPGFLT: Entry to ILRPGFLT
		1		*	Reserved
38	(26)	1...		*	Reserved
		.1..		*	Reserved
		..1.		*	Reserved
		...1		AIASWPDR	ILRSWPDR: Entry to ILRSWPDR
		.... 1...		AIAPRCCW	ILRCMP: PROCCCWS processed
		.... .1..		AIABDSLT	ILRCMP: BADSLOT processed
		.... ..1.		AIAABNMT	ILRCMP: ABNMTERM processed
		1		AIAPCISR	ILRCMP: PCI single read processing
39	(27)	1...		AIAPCISP	ILRCMP: PCI suspend processing
		.1..		AIAPAGCM	ILRPAGCM: Entry to ILRPAGCM
		..1.		AIASWCMP	ILRPAGCM: Swap AIA processing completed
		...1		AIAVIOCM	ILRVIOCM: Entry to ILRVIOCM
		 1111		*	Reserved
40	(28)	CHARACTER	8	AIARSA64	

Comment

Real address of page frame

End of Comment

40	(28)	UNSIGNED	4	*	Reserved in S/390 mode
44	(2C)	ADDRESS	4	AIARSA	Real address of page frame in S/390 mode
48	(30)	SIGNED	4	AIAOLDLS	Input LSID received from RSM, if the LSID was converted
48	(30)	UNSIGNED	1	AIAOLDNN	Old LSID NN

AIA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
49	(31)	CHARACTER	3	AIAOLDSL	Old LSID slot number
49	(31)	UNSIGNED	2	AIAOLDRW	Old LSID row number
51	(33)	UNSIGNED	1	AIAOLDCL	Old LSID column number

AIA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
AIA	0		AIAPURGE	24	04
AIAABNMT	26	02	AIAREDRV	25	40
AIAASCB	20		AIARPN	18	
AIABADID	E	01	AIARREC	F	01
AIABDSLT	26	04	AIARSA	2C	
AIABQPA	8		AIARSA64	28	
AIACBID	0		AIARSV5	F	80
AIACEPTR	18		AIASCMPR	18	
AIACNVRT	24	10	AIASLOT	15	
AIADNFLS	24	02	AIASPILL	F	02
AIAERROR	E	02	AIASTGER	D	02
AIAESTE	1C		AIASWAP	E	10
AIAFLG1	D		AIASWCMP	27	20
AIAFLG2	E		AIASWIO	25	20
AIAFLG3	F		AIASWPDR	26	10
AIAFLG4	24		AIATERMR	E	40
AIAFQPA	4		AIATRACE	25	
AIAFREE	24	08	AIATRPSP	F	20
AIAID	14		AIAVIO	D	20
AIAIOCMP	E	80	AIAVIOCM	27	10
AIAIODRV	25	80	AIAVIODR	25	10
AIAIONST	24	20	AIAVRCTK	1C	
AIAIORTY	E	20	AIAWRITE	D	80
AIALGE	1C				
AIALGID	14				
AIALPID	14				
AIALPMEC	F	08			
AIALPMEP	18				
AIALSID	14				
AIALSQA	D	08			
AIANPCW	F	10			
AIANXAIA	10				
AIAOFFLN	E	04			
AIAOLDCL	33				
AIAOLDLS	30				
AIAOLDNN	30				
AIAOLDRW	31				
AIAOLDSL	31				
AIAOP	C				
AIAPAGCM	27	40			
AIAPAGDS	D	04			
AIAPCISP	27	80			
AIAPCISR	26	01			
AIAPCOL	17				
AIAPDDEL	24	80			
AIAPDRPL	24	40			
AIAPGFLT	25	02			
AIAPGVIO	F	04			
AIAPNDX	14				
AIAPRCCW	26	08			
AIAPRCPR	25	08			
AIAPRIER	E	08			
AIAPRINO	F	40			
AIAPRIV	D	40			
AIAPROW	15				
AIAPSLTF	25	04			

AMDDATA Programming Interface Information

Programming Interface Information

AMDDATA

End of Programming Interface Information

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AMDDATA Heading Information

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

AMDDATA Map

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

Comment

```
------------------------------------------------------------------
Dump record prefix #MD04169
------------------------------------------------------------------
```

End of Comment

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

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

Comment

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRDAS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRDAS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRDAST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H '" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
6	(6)	BITSTRING	2	PRDASH	Reserved
8	(8)	SIGNED	4	PRDAS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRDASC (0)	Second qualifier
12	(C)	SIGNED	4	PRDAS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRDAS3	Reserved
20	(14)	CHARACTER	1	PRDAS9 (0)	End BLSRDATS #MD03009
20	(14)	ADDRESS	4	PRDLAD	Logical address
24	(18)	SIGNED	4	PRDSEQ	Sequence number used to prevent dumps from merging
28	(1C)	SIGNED	4	(2)	Reserved for data common to all types of dump records
36	(24)	BITSTRING	28	PRDTYPD	Record type specific data
64	(40)	CHARACTER	1	PRD999 (0)	End BLSRDRPX #MD04169

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

		Store Status Record (type C) Data			

			End of Comment		
36	(24)	BITSTRING	1	PRDFLAGS	Store status flags
		1...		PRDSSINV	"BIT0" Store status may be invalid
		.1..		PRDSIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRDGPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRDBFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRDBFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRDBFPH	"BIT5" Binary floating point hardware
		1		PRDZARCH	"BIT7" Status in z/Architecture format
		1		PRDESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved
			Comment		

		Dump Header Record (type H) Data			

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

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

			End of Comment		
36	(24)	BITSTRING	1	PRDKEY	Storage key for page
		1111 1111		PRDKEYQ	"X'FF'" Storage key not known
		1111		PRDKEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRDKEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRDKEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRDKEYR	"BIT5" Page referenced
		.... ..1.		PRDKEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRDTYPS	Record type specific data
			Comment		

		Data Space Storage Record (type DS, SS) Data.			
			End of Comment		
42	(2A)	SIGNED	2		Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
The following supplements the ASID and Data Space information.					

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

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

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

Dump record prefix #MD04169					

			End of Comment		
0	(0)	CHARACTER	3	PRD64ID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	PRD64IDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	PRD64IDCV	"C'DR',2,C'C'" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	PRD64IDV	Dump record prefix version
2	(2)	X'F1'	0	PRD64IDV31	"C'1',1,C'C'" 31-bit support levels
2	(2)	X'F2'	0	PRD64IDV64	"C'2',1,C'C'" 64-bit support levels
3	(3)	ADDRESS	1	PRD64LEN	Dump record prefix length
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRD64AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRD64AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRD64AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
6	(6)	BITSTRING	2	PRD64ASH	Reserved
8	(8)	SIGNED	4	PRD64AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRD64ASC (0)	Second qualifier
12	(C)	SIGNED	4	PRD64AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRD64AS3	Reserved
20	(14)	CHARACTER	1	PRD64AS9 (0)	End BLSRDATS #MD03009
20	(14)	BITSTRING	8	PRD64LAD	Logical address
28	(1C)	SIGNED	4	PRD64SEQ	Sequence number used to prevent dumps from merging
32	(20)	BITSTRING	3		Reserved for data common to all types of dump records
35	(23)	ADDRESS	1	PRD64PHASE	Phase of dumping program
35	(23)	X'0'	0	PRD64PHASE0	"0" No phase recorded
35	(23)	X'1'	0	PRD64PHASESADMPA	"1" SADMP early real data collection

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
35	(23)	X'2'	0	PRD64PHASESADMPB	"2" SADMP virtual data collection
35	(23)	X'3'	0	PRD64PHASESADMPC	"3" SADMP added real data collection
36	(24)	BITSTRING	28	PRD64TYPD	Record type specific data
64	(40)	CHARACTER	1	PRD64999 (0)	End BLSRDRPX #MD04169
		Comment			

		Store Status Record (type C) Data			

		End of Comment			
36	(24)	BITSTRING	1	PRD64FLAGS	Store status flags
		1...		PRD64SSINV	"BIT0" Store status may be invalid
		.1..		PRD64SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRD64GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRD64BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRD64BFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRD64BFPH	"BIT5" Binary floating point hardware
		1		PRD64ZARCH	"BIT7" Status in z/Architecture format
		1		PRD64ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved
		Comment			

		Dump Header Record (type H) Data			

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

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

		End of Comment			
36	(24)	BITSTRING	1	PRD64KEY	Storage key for page
		1111 1111		PRD64KEYQ	"X'FF'" Storage key not known
		1111		PRD64KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRD64KEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRD64KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRD64KEYR	"BIT5" Page referenced
		.... ..1.		PRD64KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRD64TYPS	Record type specific data

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

			Data Space Storage Record (type DS, SS) Data.		
			End of Comment		
42	(2A)	SIGNED	2		Reserved
			Comment		

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PRDINPUT	,
64	(40)	CHARACTER	8	PRDMODNM	NAME OF PGM REQUESTING DUMP
72	(48)	CHARACTER	8	PRDTODVL	CLOCK VALUE AT TIME OF DUMP
80	(50)	CHARACTER	8	PRDCPU (0)	PROCESSOR IDENTIFICATION
80	(50)	CHARACTER	1	PRDPVRSN	PROCESSOR VERSION CODE IN HEX
81	(51)	CHARACTER	3	PRDPSERL	PROCESSOR SERIAL NUMBER IN HEX
84	(54)	CHARACTER	2	PRDPMODL	PROCESSOR MODEL NUMBER IN HEX
86	(56)	CHARACTER	2	PRDPCPU@	PHYSICAL CPU ADDRESS IN HEX
88	(58)	CHARACTER	100	PRDTITLE	TITLE FROM DUMP
188	(BC)	CHARACTER	8	PRDDSPB	TIME SYSTEM SET NON-DISPATCHABLE
196	(C4)	CHARACTER	8	PRDDSPE	TIME SYSTEM RESET DISPATCHABLE
204	(CC)	CHARACTER	8	PRDSNAME	SYSTEM NAME
212	(D4)	CHARACTER	12		RESERVED - Aligns PRDSDRSN
224	(E0)	CHARACTER	16	PRDSDRSN	SVC Dump reason code (only for SVC dump captured dumps)
240	(F0)	SIGNED	4	PRDSDBLK	Number of blocks in a captured dump (est. for auto alloc)
244	(F4)	CHARACTER	16	PRDPRODN	Product name
260	(104)	CHARACTER	2	PRDPRODV	Product version
262	(106)	CHARACTER	2	PRDPRODR	Product release
264	(108)	CHARACTER	2	PRDPRODM	Product modification
266	(10A)	CHARACTER	90		RESERVED
356	(164)	SIGNED	4	PRDSDFWD	POINTER USED FOR HEADER CHAIN

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
Comment					
THE FOLLOWING FIELDS ARE OFFSETS TO OTHER SECTIONS OF THE HEADER ALONG WITH THE LENGTHS. IF THE OFFSET FIELD IS ZERO THEN THE CORRESPONDING SECTION DOES NOT EXIST					
End of Comment					
360	(168)	CHARACTER	16	PRDOFSET (0)	OFFSETS
360	(168)	SIGNED	2	PRDSDMPO	OFFSET OF SDUMP/SYSMDUMP COMMON SECTION
362	(16A)	SIGNED	2	PRDSDMPL	LENGTH OF COMMON SECTION
364	(16C)	SIGNED	2	PRDSLIPO	OFFSET OF SLIP SECTION
366	(16E)	SIGNED	2	PRDSLIPL	LENGTH OF SLIP SECTION
368	(170)	SIGNED	2	PRDSYSMO	OFFSET OF SYSMDUMP SECTION
370	(172)	SIGNED	2	PRDSYSML	LENGTH OF SYSMDUMP SECTION
372	(174)	SIGNED	2	PRDSDWAO	OFFSET OF SDWA FOR THIS DUMP
374	(176)	SIGNED	2	PRDSDWAL	LENGTH OF SDWA
376	(178)	CHARACTER	50	PRDCID	CALLER'S ID
426	(1AA)	SIGNED	2	PRDINTKO	Offset of incident token If 0, no incident token exists

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
272	(110)	CHARACTER	64	PRDAR	ACCESS REGS UPON ENTERING SDUMP
336	(150)	CHARACTER	128	PRDFPR	FPR'S UPON ENTERING SDUMP
464	(1D0)	CHARACTER	4	PRDFPCR	FPCR
468	(1D4)	CHARACTER	4		RESERVED
472	(1D8)	SIGNED	4	(0)	
472	(1D8)	CHARACTER	64	PRDG64H	G64H UPON ENTERING SDUMP
536	(218)	CHARACTER	128	PRDC64S	ESAME CRs at SDUMP entry
664	(298)	SIGNED	4	PRDCSA	START OF COMMON STORAGE
668	(29C)	SIGNED	4	PRDEPVT	END OF COMMON STORAGE
672	(2A0)	CHARACTER	8	PRDHJOBN	PRDHASID JOBNAME
680	(2A8)	CHARACTER	8	PRDHVSS	START OF HIGH VIRTUAL SHARED AREA
688	(2B0)	CHARACTER	8	PRDHVHP	START OF HIGH VIRTUAL HIGH PRIVATE AREA

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PRDSLIP	,
0	(0)	CHARACTER	8	PRDSLPSW	PSW WHEN SLIP WAS ENTERED
8	(8)	CHARACTER	8		Was PRDSLPC3/C4
16	(10)	CHARACTER	64	PRDSLGPR	GPR'S WHEN SLIP WAS ENTERED
80	(50)	CHARACTER	64	PRDSLAR	ACCESS REGISTERS WHEN SLIP WAS ENTERED
144	(90)	CHARACTER	64	(0)	Was PRDSLCR
144	(90)	DBL WORD	8	PRDSLPC3	CONTROL REG 3
152	(98)	DBL WORD	8	PRDSLPC4	CONTROL REG 4
160	(A0)	CHARACTER	48		Reserved
208	(D0)	CHARACTER	64	PRDSLG6H	High halves of GPRs when SLIP was entered
272	(110)	CHARACTER	128	PRDSLC64	ESAME CRs when SLIP WAS ENTERED

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PRDINPUT	
64	(40)	CHARACTER	4096	PRXSTATS (0)	ESAME STORE STATUS DATA.
64	(40)	CHARACTER	512		PAD.
576	(240)	CHARACTER	512	PRXSTST (0)	
576	(240)	CHARACTER	256	PRXSTST1 (0)	
576	(240)	CHARACTER	128	PRXFPRSA (0)	FLOATING POINT REGISTER SAVE AREA.
576	(240)	CHARACTER	8	PRXFLPTR (16)	FLOATING POINT REGISTERS 0-15.
704	(2C0)	CHARACTER	128	PRXGPRSA (0)	GENERAL PURPOSE REGISTERS SAVE AREA.
704	(2C0)	CHARACTER	8	PRXGREGS (16)	GENERAL PURPOSE REGISTERS 0-15.
832	(340)	CHARACTER	256	PRXSTST2 (0)	
832	(340)	CHARACTER	16	PRXPSW	CURRENT PSW.
848	(350)	CHARACTER	1	PRXARCID	ARCHITECTURE ID.
		1		PRXESAME	"X'01'"
849	(351)	CHARACTER	3		PAD.
852	(354)	CHARACTER	4	PRXSIGPS	SIGP SENSE INFORMATION.
856	(358)	CHARACTER	4	PRXPSA	PREFIX VALUE.
860	(35C)	CHARACTER	4	PRXFPCTL	FLOATING POINT CONTROL.
864	(360)	CHARACTER	8	PRXTIMER	CPU TIMER.
872	(368)	CHARACTER	8	PRXCLKCP	CPU CLOCK COMPARATOR.
880	(370)	CHARACTER	16		PAD.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
896	(380)	CHARACTER	64	PRXARSA (0)	ACCESS REGISTER SAVE AREA.
896	(380)	CHARACTER	4	PRXAREGS (16)	ACCESS REGISTERS 0-15.
960	(3C0)	CHARACTER	128	PRXCRSA (0)	CONTROL REGISTERS SAVE AREA.
960	(3C0)	CHARACTER	8	PRXCTL (16)	CONTROL REGISTERS 0-15.
1088	(440)	CHARACTER	3072		PAD.

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

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

Comment

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

End of Comment

2112	(840)	CHARACTER	2048	PRDSR (0)	PRINT DUMP SYMTOM RECORD AREA
2112	(840)	CHARACTER	2	SR	'SR' SYMPTOM AREA ID
2112	(840)	X'E2D9'	0	SRECID	"C'SR'" 'SR' IDENTIFIER
2114	(842)	CHARACTER	40		RESERVED FOR FUTURE USE
2154	(86A)	CHARACTER	9	SRID	SYSTEM IDENTIFIER (DERIVED FROM FESN SYSTEM IDENTIFIER) OS/VS2(MVS) C'5752 '
2163	(873)	CHARACTER	5		RESERVED FOR FUTURE USE
2168	(878)	CHARACTER	8	SRDTYPE	TYPE OF DUMP, SUCH AS C'SVC DUMP'
2176	(880)	CHARACTER	8		RESERVED FOR FUTURE USE
2184	(888)	SIGNED	2	SRSLEN	LENGTH OF BASIC SYSTEM STRING IN SYSTEM DATA BASE (SDB) FORMAT FOR APARS
2186	(88A)	SIGNED	2	SRSOFF	OFFSET TO BASIC SYMPTOM STRING
2188	(88C)	SIGNED	2	SROLEN1	LENGTH OF OPTIONAL SYMPTOM STRING IN SDB FMT
2190	(88E)	SIGNED	2	SROFF1	OFFSET TO OPTIONAL SYMPTOM STRING IN SDB FORMAT
2192	(890)	SIGNED	2	SROLEN2	LENGTH OF OPTIONAL SYMP STRING 2, MAY OR MAY NOT BE IN SDB FORMAT. MAY BE CLUES THAT ARE NOT REPEATABLE, SO THEY MAY NOT BE USEFUL FOR DUPLICATE PROBLEM RECOGNITION
2194	(892)	SIGNED	2	SROFF2	OFFSET TO OPTIONAL SYMPTOM STRING 2
2196	(894)	SIGNED	2	SRLENCS	LENGTH OF COMPONENT SYMPTOM AREA. ZERO IF NOT SUPPLIED.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
2198	(896)	SIGNED	2	SROFFCS	OFFSET TO COMPONENT SYMPTOM AREA. ZERO IF NOT IN SYMPTOM AREA. SRADDRCS CAN BE SUPPLIED IF THIS FIELD IS ZERO.
2200	(898)	SIGNED	4	SRADDRCS	VIRTUAL ADDRESS OF COMPONENT SYMPTOM AREA
2204	(89C)	CHARACTER	4	SRASID	SYSTEM DEPENDENT FIELD (ASID FOR MVS)
2208	(8A0)	CHARACTER	16		RESERVED FOR FUTURE USE
2224	(8B0)	SIGNED	4	SRHDEND (0)	END OF HEADER RECORD
2224	(8B0)	CHARACTER	112	SRBASIC (0)	BASIC SYMPTOM STRING
2224	(8B0)	CHARACTER	8	SRABD	ABEND CODE IN SDB FORMAT EX. AB/SC0D
2232	(8B8)	CHARACTER	16	SRRC	REASON CODE (IF EXISTS) EX. PRCS/1C08
2248	(8C8)	CHARACTER	16	SRCID	COMPONENT ID EX. PIDS/5752SC1C3
2264	(8D8)	CHARACTER	16	SRLM	LOAD MODULE NAME EX.RIDS/IECIOSAM#L
2280	(8E8)	CHARACTER	16	SRCSECT	CSECT NAME EX. RIDS/IECIOSCN
2296	(8F8)	CHARACTER	16	SRFRR	RECOVERY ROUTINE NAME EX.RIDS/IECIOFRR#R
2312	(908)	CHARACTER	24	SREGPSW	REGISTER/PSW DIFFERENCES EX. REGS/0C01B REGS/FFFFF
2336	(920)	SIGNED	4	SRBASEND (0)	END OF BASIC SYMPTOM STRING
2336	(920)	CHARACTER	1	SROPT1 (0)	OPTIONAL STRING 1 STRING - SDB FMT
2336	(920)	SIGNED	4	SROP1END (0)	END OF OPTIONAL STRING 1
2336	(920)	CHARACTER	84	SROPT2 (0)	OPTIONAL STRING 2 STRING 2 - NON-SDB
2336	(920)	CHARACTER	16	SRPGM	ABENDING PROGRAM NAME EX. PGM=IEFBR14
2352	(930)	CHARACTER	24	SRLVL	ASSEMBLY MODULE LEVEL EX. MODLVL=09/10/80UZ19271
2376	(948)	CHARACTER	28	SRSC	COMPONENT/SUBCOMPONENT/ SUBFUNCTION DESCRIPTION EX. SC=IOS-EXCP
2404	(964)	CHARACTER	16	SRRRL	RECOVERY ROUTINE LABEL EX. RRL=ESTAERTN
2420	(974)	SIGNED	4	SROP2END (0)	END OF OPTIONAL STRING 2

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ADSSRNSD	OPTIONAL SYMPTOM DATA, NONRETAIN FORMAT
0	(0)	CHARACTER	291	ADSSDAE (0)	DUMP ANALYSIS AND ELIMINATION (DAE) SECTION
0	(0)	CHARACTER	2	DAESSHDR (0)	HEADER TO MVS FORMAT SYMPTOM STRING
0	(0)	CHARACTER	1	DAESSHT	DATA TYPE. 'F0'X FOR PRINTABLE
1	(1)	SIGNED	1	DAESSHL	DATA LENGTH EQUAL TO LENGTH(DAESSMVS)
2	(2)	CHARACTER	150	DAESSMVS	MVS FORMAT SYMPTOM STRING
152	(98)	CHARACTER	2	DAENSHDR (0)	HEADER TO NONSYMPTOM STRING DATA
152	(98)	CHARACTER	1	DAENSHT	DATA TYPE. 'FF'X FOR NONPRINTABLE
153	(99)	BITSTRING	1	DAENSHL	DATA LENGTH EQUAL TO LENGTH(DAEDATA)
154	(9A)	CHARACTER	137	DAEDATA (0)	NONSYMPTOM STRING DATA
154	(9A)	CHARACTER	4	DAELVL	DAE LEVEL WHICH CREATED THIS DATA. (ACRONYM AND VERSION NUMBER FROM ADYDFLM).
158	(9E)	CHARACTER	84	DAECRIT (0)	CRITERIA FOR SYMPTOM STRING TO BE CONSIDERED AS A UNIQUE IDENTIFIER BY DAE
158	(9E)	SIGNED	2	DAEMINC	MINIMUM NUMBER OF SYMPTOMS IN THE SYMPTOM STRING FOR IT TO BE CONSIDERED UNIQUE.
160	(A0)	SIGNED	2	DAEMINL	MINIMUM LENGTH OF THE SYMPTOM STRING TO BE CONSIDERED UNIQUE.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
162	(A2)	CHARACTER	40	DAEREQ	KEYS REQUIRED FOR MATCHING
202	(CA)	CHARACTER	40	DAEOPT	KEYS WHICH ARE OPTIONAL
242	(F2)	CHARACTER	4	DAESSACT (0)	ACTUAL VALUES USED TO DETERMINE IF THE SYMPTOM STRING MAY BE CONSIDERED UNIQUE.
242	(F2)	SIGNED	2	DAESLN	ACTUAL NUMBER OF BYTES OF UNIQUE.
244	(F4)	SIGNED	2	DAESCNT	ACTUAL COUNT OF THE NUMBER OF SYMPTOM STRINGS TO BE CONSIDERED UNIQUE.
246	(F6)	CHARACTER	8	DAESTAT	ADYDSTAT
254	(FE)	CHARACTER	6		RESERVED FOR EXPANSION OF DAESTAT
260	(104)	CHARACTER	21	DAEORIG (0)	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM
260	(104)	CHARACTER	10	DAEERID (0)	ERROR ID
260	(104)	SIGNED	2	DAEERSEQ	ERROR ID SEQUENCE NUMBER
262	(106)	SIGNED	2	DAEERCPU	ERROR ID CPU ID
264	(108)	SIGNED	2	DAEERAS	ERROR ID ADDRESS SPACE ID
266	(10A)	SIGNED	4	DAETIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
270	(10E)		4	DAEDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
274	(112)	CHARACTER	6	DAECPUO	CPUID FROM STIDP INSTRUCTION
280	(118)	BITSTRING	1	DAEFLG	FLAGS
		1...		DAESVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		DAESYSMD	"BIT1" A SYSMDUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		DAETRUM	"BIT2" ORIGINAL MVS SYMPTOM STRING WAS TRUNCATED
		...1		DAERCDA	"BIT3" Entry was recorded because of RECORDALL
281	(119)	CHARACTER	10	DAECURR (0)	IDENTIFICATION OF THE CURRENT PROBLEM
281	(119)	SIGNED	4	DAEDTIM	TIME OF CURRENT PROBLEM (BINARY NUMBER, TENTHS OF A SECOND SINCE MIDNIGHT
285	(11D)		4	DAEDDAT	DATE OF CURRENT PROBLEM (PACKED DECIMAL JULIAN-00YYDDDF)
289	(121)	SIGNED	2	DAEDCNT	NUMBER OF OCCURRENCES
291	(123)	CHARACTER	8	DAESNAMO	SYSNAME - ORIGINAL
299	(12B)	CHARACTER	8	DAESNAML	SYSNAME - LAST OCCUR

Comment

CONSTANT VALUES FOR VARIABLE DATA AREAS

End of Comment

		1111 1111		ADSSTPNP	"X'FF'" DATA TYPE IS NOT PRINTABLE
		1111		ADSSTPPR	"X'F0'" DATA TYPE IS PRINTABLE
299	(12B)	X'F'	0	SRSYMML	"15" SYMPTOM MAXIMUM LENGTH

AMDDATA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADSSDAE	0		DAECRIT	9E	
ADSSRCRS	0		DAECURR	119	
ADSSRCSS	0		DAEDATA	9A	
ADSSRNSD	0		DAEDATE	10E	
ADSSTPNP	12B	FF	DAEDCNT	121	
ADSSTPPR	12B	F0	DAEDDAT	11D	
BIT0	0	80	DAEDTIM	119	
BIT1	0	40	DAEERAS	108	
BIT2	0	20	DAEERCPU	106	
BIT3	0	10	DAEERID	104	
BIT4	0	8	DAEERSEQ	104	
BIT5	0	4	DAEFLG	118	
BIT6	0	2	DAELVL	9A	
BIT7	0	1	DAEMINC	9E	
DAECPUO	112		DAEMINL	A0	

Name	Hex Offset	Hex Value
DAENSHDR	98	
DAENSHL	99	
DAENSHT	98	
DAEOPT	CA	
DAEORIG	104	
DAERCDA	118	10
DAEREQ	A2	
DAESCNT	F4	
DAESLN	F2	
DAESNAML	12B	
DAESNAMO	123	
DAESSACT	F2	
DAESSHDR	0	
DAESSHL	1	
DAESSHT	0	
DAESSMVS	2	
DAESTAT	F6	
DAESVCD	118	80
DAESYSMD	118	40
DAETIME	10A	
DAETRUM	118	20
IATB	0	
IATBCR	50	
IATBCTR	A0	
IATBFRN	0	
IATBGPR	10	
IATBICN	98	
IATBPSW	8	
IATBPSW1	8	
IATBPSW2	C	
IATBTFM	96	
IATBTM1	0	
PRD	0	
PRDAAF	2A	40
PRDAAP	2C	
PRDAR	110	
PRDAREGS	160	
PRDARSA	160	
PRDAS	4	
PRDASC	C	
PRDASH	6	0
PRDAST	4	
PRDASTE	2C	
PRDAS0	4	
PRDAS1	8	
PRDAS2	C	
PRDAS3	10	0
PRDAS9	14	
PRDBFP	24	10
PRDBFPH	24	4
PRDBFPV	24	8
PRDBLSDP	24	5
PRDCID	178	
PRDCLKCP	120	
PRDCML	3C	
PRDCOMM	2A	80
PRDCPU	50	
PRDCPURC	40	
PRDCPUST	68	
PRDCR	C8	
PRDCRSA	200	
PRDCSA	298	
PRDCTL	200	
PRDCVT	0	
PRDC64S	218	

Name	Hex Offset	Hex Value
PRDDATA	40	
PRDDIDCO	64	
PRDDSNAM	10	
PRDDSPB	BC	
PRDDSPE	C4	
PRDDUMPT	24	
PRDEPVT	29C	
PRDERRID	6	
PRDESAME	24	1
PRDFLAGS	24	
PRDFLG1	4	
PRDFLPT	1A0	
PRDFLPTX	2C0	
PRDFPCR	1D0	
PRDFPCTL	250	
PRDFPR	150	
PRDFPRSA	1A0	
PRDFPRSX	2C0	
PRDGPR	88	
PRDGPRSA	1C0	
PRDGPRVL	24	20
PRDGREGS	1C0	
PRDG64H	1D8	
PRDHASID	4C	
PRDHJOBN	2A0	
PRDHVHP	2B0	
PRDHVSS	2A8	
PRDID	0	
PRDIDC	0	C4D9
PRDIDCV	0	C4D9
PRDIDV	2	F1
PRDIDV31	2	F1
PRDIDV64	2	F2
PRDINPUT	0	
PRDINPUT	0	
PRDINPUT	0	
PRDINPUT	0	
PRDINPUT	0	
PRDINTKD	0	
PRDINTKN	0	
PRDINTKO	1AA	
PRDKEY	24	
PRDKEYA	24	F0
PRDKEYC	24	2
PRDKEYF	24	8
PRDKEYQ	24	FF
PRDKEYR	24	4
PRDKEYU	24	6
PRDLAD	14	
PRDLEN	3	
PRDLGPRF	4	20
PRDMDF	14C	
PRDME	4	80
PRDMGPRF	4	10
PRDMODNM	40	
PRDOFSET	168	
PRDPASID	48	
PRDPCPU@	56	
PRDPMODL	54	
PRDPREF	0	
PRDPRODM	108	
PRDPRODN	F4	
PRDPRODR	106	
PRDPRODV	104	
PRDPSA	148	

Name	Hex Offset	Hex Value
PRDPSERL	51	
PRDPSW	108	
PRDPSW2	140	
PRDPVRSN	50	
PRDREGS	68	
PRDSADDR	50	
PRDSADP	24	1
PRDSASID	4A	
PRDSDBLK	F0	
PRDSDFWD	164	
PRDSDMPL	16A	
PRDSDMPO	168	
PRDSDOPL	5E	
PRDSDOPO	5C	
PRDSDOPS	0	
PRDSDPL	5A	
PRDSDPM	0	
PRDSDPO	58	
PRDSDRSN	E0	
PRDSDSM	0	
PRDSDWA	0	
PRDSDWAL	176	
PRDSDWAO	174	
PRDSEQ	18	0
PRDSIGPF	24	40
PRDSIGPS	150	
PRDSIGP2	154	
PRDSIZ	0	40
PRDSLAR	50	
PRDSLC64	110	
PRDSLGPR	10	
PRDSLG6H	D0	
PRDSLIP	0	
PRDSLIPL	16E	
PRDSLIPO	16C	
PRDSLPC3	90	
PRDSLPC4	98	
PRDSLPDP	24	4
PRDSLPSW	0	
PRDSMABD	0	
PRDSMAR	6C	
PRDSMC64	12C	
PRDSMDP	24	3
PRDSMGPR	28	
PRDSMG6H	EC	
PRDSMLMA	14	
PRDSMLMN	C	
PRDSMLMO	18	
PRDSMPDA	1C	
PRDSMPSW	4	
PRDSMRSN	68	
PRDSNAME	CC	
PRDSR	840	
PRDSSINV	24	80
PRDSTATS	40	
PRDSTOKN	30	
PRDSTST	118	
PRDSTSTX	240	
PRDSTST1	118	
PRDSTST2	140	
PRDSTYP	2A	
PRDSVCDP	24	2
PRDSYSMD	0	
PRDSYSML	172	
PRDSYSMO	170	
PRDTCB	60	
PRDTIMER	118	
PRDTITLE	58	
PRDTODVL	48	
PRDTTCH	54	
PRDTYPD	24	0
PRDTYPS	2A	
PRDVGPRF	4	40
PRDWASID	4E	
PRDXADDR	114	
PRDXM	3C	
PRDXMPSW	40	
PRDZARCH	24	1
PRD64	0	
PRD64AAF	2A	40
PRD64AAP	2C	
PRD64AS	4	
PRD64ASC	C	
PRD64ASH	6	0
PRD64AST	4	
PRD64AS0	4	
PRD64AS1	8	
PRD64AS2	C	
PRD64AS3	10	0
PRD64AS9	14	
PRD64BFP	24	10
PRD64BFPH	24	4
PRD64BFPV	24	8
PRD64BLSDP	24	5
PRD64COMM	2A	80
PRD64DUMPT	24	
PRD64ESAME	24	1
PRD64FLAGS	24	
PRD64GPRVL	24	20
PRD64ID	0	
PRD64IDC	0	C4D9
PRD64IDCV	0	C4D9
PRD64IDV	2	F2
PRD64IDV31	2	F1
PRD64IDV64	2	F2
PRD64KEY	24	
PRD64KEYA	24	F0
PRD64KEYC	24	2
PRD64KEYF	24	8
PRD64KEYQ	24	FF
PRD64KEYR	24	4
PRD64KEYU	24	6
PRD64LAD	14	0
PRD64LEN	3	
PRD64PHASE	23	
PRD64PHASESADMPA	23	1
PRD64PHASESADMPB	23	2
PRD64PHASESADMPC	23	3
PRD64PHASE0	23	0
PRD64SADP	24	1
PRD64SEQ	1C	0
PRD64SIGPF	24	40
PRD64SIZ	0	40
PRD64SLPDP	24	4
PRD64SMDP	24	3
PRD64SSINV	24	80
PRD64STYP	2A	

Name	Hex Offset	Hex Value
PRD64SVCDP	24	2
PRD64TYPD	24	0
PRD64TYPS	2A	
PRD64ZARCH	24	1
PRD64999	40	
PRD999	40	
PRXARCID	350	
PRXAREGS	380	
PRXARSA	380	
PRXCLKCP	368	
PRXCRSA	3C0	
PRXCTL	3C0	
PRXESAME	350	1
PRXFLPTR	240	
PRXFPCTL	35C	
PRXFPRSA	240	
PRXGPRSA	2C0	
PRXGREGS	2C0	
PRXPSA	358	
PRXPSW	340	
PRXSIGPS	354	
PRXSTATS	40	
PRXSTST	240	
PRXSTST1	240	
PRXSTST2	340	
PRXTIMER	360	
RETANPSS	0	
RETANSSS	0	
SR	840	
SRABD	8B0	
SRADDRCS	898	
SRASID	89C	
SRBASEND	920	
SRBASIC	8B0	
SRCID	8C8	
SRCSECT	8E8	
SRDTYPE	878	
SRECID	840	E2D9
SREGPSW	908	
SRFRR	8F8	
SRHDEND	8B0	
SRID	86A	
SRLENCS	894	
SRLM	8D8	
SRLVL	930	
SROFFCS	896	
SROFF1	88E	
SROFF2	892	
SROLEN1	88C	
SROLEN2	890	
SROPT1	920	
SROPT2	920	
SROP1END	920	
SROP2END	974	
SRPGM	920	
SRRC	8B8	
SRRRL	964	
SRSC	948	
SRSLEN	888	
SRSOFF	88A	
SRSYMML	12B	F
ZZZASTA	4	C140
ZZZASTBL	4	C2D3
ZZZASTBS	4	C2E2
ZZZASTBT	4	C2E3
ZZZASTC	4	C340
ZZZASTCE	4	C3C5
ZZZASTCR	4	C3D9
ZZZASTCT	4	C3E3
ZZZASTCV	4	C3E5
ZZZASTDS	4	C4E2
ZZZASTH	4	C840
ZZZASTLI	4	D3C9
ZZZASTNO	4	4040
ZZZASTSB	4	E2C2
ZZZASTSC	4	E2C3
ZZZASTSD	4	E2C4
ZZZASTSS	4	E2E2
ZZZASTSV	4	E2E5

AQAT Heading Information

Common Name: VSM Address Queue Anchor Table
Macro ID: IHAAQAT
DSECT Name: AQAT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Offset: 0
Length: 4
Storage Attributes: Subpool: 255
Key: 0
Residency: Above 16M line
Size: AQATITBL is 1024 bytes; AQAT is 772 bytes
Created by: IGVGCAS, IEAIPL04, IGVAAQAT
Pointed to by: LDAAQAT, LDAEAQAT, GDAAQAT5, GDAEAQT5, GDAAQAT6, GDAAQAT9, and GDAEAQT9
Serialization: VSMFIX or LOCAL lock
Function: Array of queue headers into the SQA and LSQA address queues for allocation of virtual storage.

AQAT Map

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

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

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

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AQST Heading Information

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

AQST Map

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

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ASASYMBP Programming Interface information

Programming Interface information

ASASYMBP

End of Programming Interface information

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ASASYMBP Heading Information

Common Name: ASASYMBM parameter area and symbol table
Macro ID: ASASYMBP
DSECT Name: SYMBP SYMBT SYMBTE
Owning Component: MVS Reuse (SCASA)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
SYMBP -- X'001C' bytes
SYMBT -- X'0004' bytes
+ one SYMBTE for each symbol indicated by
the SymbtNumberOfSymbols field.
SYMBTE -- X'0010' bytes
Created by: Caller and provided as input to ASASYMBM
Pointed to by: Not applicable
Serialization: None required
Function: Maps the data provided to ASASYMBM.
A parameter area (SYMBP) is provided.
Optionally, the parameter area can point to a symbol table
(SYMBT) which consists of the SYMBT header plus SYMBTE entries
(which immediately follow the header, or are pointed to by
a field which immediately follows the header).

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

0

Meaning: Successful Completion. All requested substitution was performed.

Action: None required.

4

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

Action: None required.

8

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

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

12

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

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

16

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

Action: None required.

ASASYMBP Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SYMBT	Symbol table

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	CHARACTER	4	SYMBTHEADER	
0	(0)	BITSTRING	2	SYMBTFLAGS	
0	(0)	BITSTRING	1	SYMBTFLAG0	Byte 0 of SymbtFlags
		1...		SYMBTNODEFAULTSYMBOLS	"X'80'" Avoid using the default symbol set
		.1..		SYMBTONLYSTATICSYMBOLS	"X'40'" Allow only static symbols
		..1.		SYMBTTIMESTAMPISGMT	"X'20'" The input timestamp is GMT-time, not Local. Note that the value from STCK or STCKSYNC is not GMT. It needs to be corrected by subtracting CVTLSO. This bit need not be set as it is the default. Do not also specify SymbtTimeStampIsLocal or SymbtTimeStampIsStck.
		...1		SYMBTTIMESTAMPISLOCAL	"X'10'" The input timestamp is Local-Time, not GMT. Do not also specify SymbtTimeStampIsGMT or SymbtTimeStampIsStck.
		.... 1...		SYMBTWARNSUBSTRINGS	"X'08'" When a substring problem is encountered, produce a warning return code. The substring is fixed irregardless.
		.... .1..		SYMBTCHECKNULLSUBTEXT	"X'04'" The presence of null sub-text will be flagged via non-zero return code.
		.... ..1.		SYMBTPTRSAREOFFSETS	"X'02'" The pointer fields within the user-provided symbol area are offsets. The processing code will add the offset and the symbol area address to get the actual address of the operand. Note that this does not apply to field SymbteSymbolAreaAddr - it is always a pointer. Note also that when bit SymbtIndrectSymbolArea is on, the symbol area address is the address contained in SymbteSymbolAreaAddr. When bit SymbtIndirectSymbolArea is off, the symbol area address is the address of SymbtTableEntries.
		1		SYMBTONLYDYNAMICSYMBOLS	"X'01'" Allow only dynamic symbols. This should be used only when passing in as a user symbol table the static symbol table of another system.
1	(1)	BITSTRING	1	SYMBTFLAG1	Byte 1 of SymbtFlags
		1...		SYMBTFLAG1RSV1	"X'80'" Reserved. Must be zero. Do not use.
		.1..		SYMBTTIMESTAMPISSTCK	"X'40'" The input timestamp is from the STCK instruction or the STCKSYNC service. Do not also specify SymbtTimeStampIsGMT or SymbtTimeStampIsLocal.
		..1.		SYMBTWARNNOSUB	"X'20'" When no substitution at all has occurred, produce a warning return code.
		...1		SYMBTINDIRECTSYMBOLAREA	"X'10'" Indicates that the symbol area is not contiguous but rather is pointed to by SymbteSymbolAreaAddr.
		.... 1...		SYMBTMIXEDCASESYMBOLS	"X'08'" Indicates that the input may have non-uppercase symbols. The processing will obtain an additional area to copy the input pattern in order to make recognition of these symbols possible.
		.... .111		SYMBTFLAG1RSV3	"X'07'" Unused. Must be zero.
2	(2)	SIGNED	2	SYMBTNUMBEROFSYMBOLS	Number of entries in symbol table. Can be 0.
4	(4)	CHARACTER	1	SYMBTTABLEENTRIES (0)	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Symbol table entries. One for each indicated by the NumberOfSymbols field. Mapped by SYMBTE DSECT. Note that when SymbtIndirectSymbolArea is specified, this area consists only of field SymbteSymbolAreaAddr. In that case, it is the area pointed to by that pointer that is mapped by SYMBTE DSECT.
					Comment The static symbol table is pointed to by ECVTSYMT and is mapped by the SYMBT DSECT. In the 4-bytes preceding this table is a fullword which specifies the length of the contiguous area that follows which contains the table plus the symbol names plus the substitution text values. End of Comment
4	(4)	X'8'	0	SYMBTMAXSTATICSYMBOLLENGTH	"8" The max length of a static symbol, not counting the "&" and the "."
4	(4)	X'67'	0	SYMBTMAXSTATICENTRIESPREZOSR4	"103" The max number of full-sized entries. This provides for the 5 MVS-defined symbols plus 98 user-provided symbols
4	(4)	X'3A0'	0	SYMBTMAXSTATICENTRIESZOSR4	"928" The max number of full-sized entries. This provides for the 5 MVS-defined symbols plus 923 user-provided symbols
4	(4)	X'3A0'	0	SYMBTMAXSTATICENTRIES	"928" The max number of full-sized entries. This provides for the 5 MVS-defined symbols plus 98 user-provided symbols
4	(4)	X'9'	0	SYMBTMAXSTATICSUBTEXTLENGTH	"9" The max length of substitution text for a static symbol
4	(4)	X'E19'	0	SYMBTMAXSTATICTABLESIZEPREZOSR4	"3609" The max table size, taking into account that each symbol is preceded by "&" and followed by "."
4	(4)	X'7F00'	0	SYMBTMAXSTATICTABLESIZEZOSR4	"32512" The max table size, taking into account that each symbol is preceded by "&" and followed by "."
4	(4)	X'7F00'	0	SYMBTMAXSTATICTABLESIZE	"32512"
4	(4)	X'4'	0	SYMBT_LEN	"*-SYMBT" The max table size taking into account that each symbol is preceded by "&" and followed by "."

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SYMBTE	Symbol table entry
0	(0)	CHARACTER	16	SYMBTETABLEENTRIES	Symbol table entry. One such entry for each indicated by the SymbtNumberOfSymbols field.
0	(0)	ADDRESS	4	SYMBTESYMBOLPTR	Address of symbol. Do not use when bit SymbtPtrsAreOffsets is on. Note that the symbol must include the preceding "&" and the trailing "."
0	(0)	SIGNED	4	SYMBTESYMBOLOFFSET	Offset to symbol from start of symbol area. Only use if bit SymbtPtrsAreOffsets is on. Note that the symbol must include the preceding "&" and the trailing "."
0	(0)	ADDRESS	4	SYMBTESYMBOLAREAADDR	Address of symbol area when SymbtIndirectSymbolArea is set. In that case, this is the only word needed in the Symbte area, and the area pointed to by this pointer is mapped by the "regular" SYMBTE DSECT (for which SymbteSymbolAreaAddr is not relevant).
4	(4)	SIGNED	4	SYMBTESYMBOLLENGTH	

ASASYMBP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Length of symbol (includes preceding "&" and trailing ".")
8	(8)	ADDRESS	4	SYMBTESUBTEXTPTR	
					Address of substitution text. Do not use when bit SymbtPtrsAreOffsets is on.
8	(8)	SIGNED	4	SYMBTESUBTEXTOFFSET	
					Offset to substitution text from start of symbol area. Only use if bit SymbtPtrsAreOffsets is on.
12	(C)	SIGNED	4	SYMBTESUBTEXTLENGTH	
					Length of substitution text
12	(C)	X'10'	0	SYMBTE_LEN	"*-SYMBTE"

ASASYMBP Cross Reference

Name	Hex Offset	Hex Value
SYMBP	0	
SYMBP_LEN	18	1C
SYMBPPATTERN@	0	
SYMBPPATTERNADDR	0	
SYMBPPATTERNLENGTH	4	
SYMBPRETURNCODE@	18	
SYMBPRETURNCODEADDR	18	
SYMBPSYMBOLTABLE@	10	
SYMBPSYMBOLTABLEADDR	10	
SYMBPTARGET@	8	
SYMBPTARGETADDR	8	
SYMBPTARGETLENGTH@	C	
SYMBPTARGETLENGTHADDR	C	
SYMBPTIMESTAMP@	14	
SYMBPTIMESTAMPADDR	14	
SYMBT	0	
SYMBT_LEN	4	4
SYMBTCHECKNULLSUBTEXT	0	4
SYMBTE	0	
SYMBTE_LEN	C	10
SYMBTESUBTEXTLENGTH	C	
SYMBTESUBTEXTOFFSET	8	
SYMBTESUBTEXTPTR	8	
SYMBTESYMBOLAREAADDR	0	
SYMBTESYMBOLLENGTH	4	
SYMBTESYMBOLOFFSET	0	
SYMBTESYMBOLPTR	0	
SYMBTETABLEENTRIES	0	

Name	Hex Offset	Hex Value
SYMBTFLAGS	0	
SYMBTFLAG0	0	
SYMBTFLAG1	1	
SYMBTFLAG1RSV1	1	80
SYMBTFLAG1RSV3	1	7
SYMBTHEADER	0	
SYMBTINDIRECTSYMBOLAREA	1	10
SYMBTMAXSTATICENTRIES	4	3A0
SYMBTMAXSTATICENTRIESPREZOSR4	4	67
SYMBTMAXSTATICENTRIESZOSR4	4	3A0
SYMBTMAXSTATICSUBTEXTLENGTH	4	9
SYMBTMAXSTATICSYMBOLLENGTH	4	8
SYMBTMAXSTATICTABLESIZE	4	7F00
SYMBTMAXSTATICTABLESIZEPREZOSR4	4	E19
SYMBTMAXSTATICTABLESIZEZOSR4	4	7F00
SYMBTMIXEDCASESYMBOLS	1	8
SYMBTNODEFAULTSYMBOLS	0	80
SYMBTNUMBEROFSYMBOLS	2	
SYMBTONLYDYNAMICSYMBOLS	0	1
SYMBTONLYSTATICSYMBOLS	0	40
SYMBTPTRSAREOFFSETS	0	2
SYMBTTABLEENTRIES	4	
SYMBTTIMESTAMPISGMT	0	20
SYMBTTIMESTAMPISLOCAL	0	10
SYMBTTIMESTAMPISSTCK	1	40
SYMBTWARNNOSUB	1	20
SYMBTWARNSUBSTRINGS		

Name	Hex Offset	Hex Value
	0	8

ASBEXSCH Programming Interface Information

Programming Interface Information

ASBEXSCH

End of Programming Interface Information

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ASBEXSCH Heading Information

Common Name: APPC Extract Scheduler Information Control Block Mapping
Macro ID: ASBEXSCH
DSECT Name: ASBEXSCH
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
Key: Determined by caller
Residency: Determined by caller
Size: Up to 204 bytes (=length of the type0 mapping)
Created by: Any caller of ATBEXAI running under APPC scheduler
Pointed to by: Local pointer
Serialization: None
Function: The ASBEXSCH is used to map the information returned in the buffer area passed to ATBEXAI when:
o ATBEXAI is called with an Extract_Code requesting that scheduler information should be returned, and
o The associated scheduler is the APPC scheduler.
This buffer area is filled-in by the APPC Scheduler Extract Exit. Various possible mapping formats of the ASBEXSCH are defined by the 'Extract_code' passed to the APPC Scheduler Extract Exit. Shown below is the mapping to use with each of the currently supported Extract_code values.
o '1000'X: Asbexsch_type0 - the type0 mapping
o '1001'X: Asbexsch_type1 - the type1 mapping

ASBEXSCH Map

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

Comment

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

End of Comment

0	(0)	DBL WORD	8	ASBEXSCH_TYPE0 (0)	Extract Scheduler Information Control Block mapping for an Extract_code of '1000'X
0	(0)	CHARACTER	8	EXSCH_SCHNAME	Scheduler name
8	(8)	SIGNED	4	EXSCH_TPNAME_LEN	Length of Transaction Program Name
12	(C)	CHARACTER	64	EXSCH_TPNAME	Transaction Program Name
76	(4C)	CHARACTER	8	EXSCH_LOCAL_LUNAME	LU name
84	(54)	CHARACTER	17	EXSCH_PARTNER_LUNAME	Partner LU name in the form node.luname
101	(65)	CHARACTER	3		Reserved
104	(68)	CHARACTER	8	EXSCH_FMH5_PROF	FMH5 profile name
112	(70)	CHARACTER	8	EXSCH_APPCCLASS	Transaction Initiator Class (i.e. class in which TP runs)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
120	(78)	SIGNED	4	EXSCH_TPTYPE	TP Schedule type: 0 = STANDARD, 1 = MULTI-TRANS
124	(7C)	CHARACTER	80	EXSCH_TOD_INFO (0)	Various date and time of day information in the form: 1) Date (0CYYDDDF - Packed, where C is the century with 0 = 1900 - 1999, 1 = 2000 - 2099) 2) Time (HHMMSSth miju0000 - packed, where HH = hours, MM = minutes, SS = seconds, t = tenths-of-sec, h = hundreths-of-sec,m=millisecs, i = ten-thousandths-sec, j = hundred-thousandths-sec, and u = microseconds.) 3) Time (0mmmmmmm) in milliseconds from the beginning of the day, where 00000001 = 1 millisecond.
124	(7C)	CHARACTER	20	EXSCH_FMH5_TIME (0)	Date and Time TP was first recognized by FMH5
124	(7C)	CHARACTER	4	EXSCH_FMH5_PDATE	Date recognized by FMH5
128	(80)	CHARACTER	8	EXSCH_FMH5_PTIME	Time recognized by FMH5 in the form HHMMSSTH miju0000 - packed
136	(88)	SIGNED	4	EXSCH_FMH5_MTIME	Time recognized by FMH5 expressed in millisec from the beginning of the day
140	(8C)	CHARACTER	4		Reserved
144	(90)	CHARACTER	20	EXSCH_ON_Q_TIME (0)	Date and Time TP was placed on the scheduler work queue
144	(90)	CHARACTER	4	EXSCH_ON_Q_PDATE	Date placed on queue
148	(94)	CHARACTER	8	EXSCH_ON_Q_PTIME	Time placed on queue in the form HHMMSSTH miju0000 - packed
156	(9C)	SIGNED	4	EXSCH_ON_Q_MTIME	Time placed on queue expressed in millisec from beginning of day
160	(A0)	CHARACTER	4		Reserved
164	(A4)	CHARACTER	20	EXSCH_START_TIME (0)	Date and Time TP started execution
164	(A4)	CHARACTER	4	EXSCH_START_PDATE	Date TP started execution
168	(A8)	CHARACTER	8	EXSCH_START_PTIME	Time TP started execution in the form HHMMSSTH miju0000 - packed
176	(B0)	SIGNED	4	EXSCH_START_MTIME	Start time expressed in millisec from beginning of day
180	(B4)	CHARACTER	4		Reserved
184	(B8)	CHARACTER	20	EXSCH_CALL_TIME (0)	Date and Time of this call to Extract Service for information. (Represents current date/time this information was obtained.)
184	(B8)	CHARACTER	4	EXSCH_CALL_PDATE	Date of call ...
188	(BC)	CHARACTER	8	EXSCH_CALL_PTIME	Time of call in the form HHMMSSTH miju0000 - packed
196	(C4)	SIGNED	4	EXSCH_CALL_MTIME	Call time expressed in millisec from beginning of day
200	(C8)	CHARACTER	4		Reserved
200	(C8)	X'CC'	0	ASBEXSCH_LEN0	"*-ASBEXSCH_TYPE0" Length of the type0 ASBEXSCH control block mapping
200	(C8)	X'CC'	0	ASBEXSCH_LEN	"ASBEXSCH_LEN0" Length of the type0 ASBEXSCH control block mapping. This is a synonym of ASBEXSXH_LEN0

ASBEXSCH Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				The following structure maps the information returned by the APPC Information Extract Exit when an Extract_code of '1001'X is specified. This is referred to as the type1 mapping.	
				End of Comment	
0	(0)	DBL WORD	8	ASBEXSCH_TYPE1 (0)	Extract Scheduler Information Control Block mapping for an Extract_code of '1001'X
0	(0)	CHARACTER	8	EXSCH_SCHNAME1	Scheduler name
8	(8)	SIGNED	4	EXSCH_TPTYPE1	TP Schedule type: 0 = STANDARD, 1 = MULTI-TRANS
8	(8)	X'C'	0	ASBEXSCH_LEN1	"*-ASBEXSCH_TYPE1" Length of the type1 ASBEXSCH control block mapping
				Comment	
				Other Constants Declarations	
				End of Comment	
8	(8)	X'0'	0	APPC_STANDARD_TPTYPE	"0" Constant used to identify the APPC TP_schedule_type of STANDARD
8	(8)	X'1'	0	APPC_MULTITRANS_TPTYPE	"1" Constant used to identify the APPC TP_schedule_type of MULTI_TRANS

ASBEXSCH Cross Reference

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

Name	Hex Offset	Hex Value
EXSCH_START_TIME	A4	
EXSCH_TOD_INFO	7C	
EXSCH_TPNAME	C	
EXSCH_TPNAME_LEN	8	
EXSCH_TPTYPE	78	
EXSCH_TPTYPE1	8	

ASCB Programming Interface information

Programming Interface information

ASCB

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

- ASCBASID
- ASCBASSB
- ASCBASXB
- ASCBDCTI
- ASCBEJST
- ASCBJBNI
- ASCBJBNS
- ASCBLSQE
- ASCBLSQT
- ASCBOUCB
- ASCBOUXB
- ASCBRSME
- ASCBSRBT
- ASCBTCBE
- ASCBTCBS
- ASCBXTCB

End of Programming Interface information

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ASCB Heading Information

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

ASCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ASCB	
0	(0)	DBL WORD	8	ASCBEGIN (0)	- BEGINNING OF ASCB
0	(0)	CHARACTER	4	ASCBASCB	- ACRONYM IN EBCDIC -ASCB-
4	(4)	ADDRESS	4	ASCBFWDP	- ADDRESS OF NEXT ASCB ON ASCB READY QUEUE
8	(8)	ADDRESS	4	ASCBBWDP	- ADDRESS OF PREVIOUS ASCB ON ASCB READY QUEUE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	ADDRESS	4	ASCBLTCS	- TCB and preemptable-class SRB Local lock suspend service queue. Serialization: ASCB CML promotion WEB lock.
16	(10)	DBL WORD	8	ASCBSUPC (0)	- SUPERVISOR CELL FIELD (MDC309)
16	(10)	ADDRESS	4	ASCBSVRB	- SVRB POOL ADDRESS. THIS OFFSET FIXED BY ARCHITECTURE. (MDC310)
20	(14)	SIGNED	4	ASCBSYNC	- COUNT USED TO SYNCHRONIZE SVRB POOL. THIS OFFSET FIXED BY ARCHITECTURE. (MDC311)
24	(18)	ADDRESS	4	ASCBIOSP	- POINTER TO IOS PURGE INTERFACE CONTROL BLOCK (IPIB) (MDC308)
28	(1C)	BITSTRING	4	ASCBWQLK (0)	WEB QUEUE LOCK WORD SERIALIZATION: COMPARE AND SWAP OWNERSHIP: SUPERVISOR CONTROL
28	(1C)	BITSTRING	2	ASCBR01C	RESERVED, MUST BE ZERO
30	(1E)	SIGNED	2	ASCBWQID	LOGICAL CPU ID OF THE PROCESSOR HOLDING THE WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
32	(20)	ADDRESS	4	ASCBSAWQ	- ADDRESS OF ADDRESS SPACE SRB WEB QUEUE SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
		1...		ASCBURRQ	"X'80'" - SYSEVENT USER READY REQUIRED SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
36	(24)	SIGNED	2	ASCBASN (0)	- SAME AS ASCBASID
36	(24)	SIGNED	2	ASCBASID	- ADDRESS SPACE IDENTIFIER FOR THE ASCB
38	(26)	BITSTRING	2	ASCBR026	- RESERVED
40	(28)	BITSTRING	1	ASCBLL5	- FLAGS. SERIALIZATION - LOCAL LOCK
		..1.		ASCBS3S	"X'20'" - STAGE II EXIT EFECTOR HAS SCHEDULED AN RQE OR IQE AND STAGE III EXIT EFFECTOR SHOULD BE INVOKED
41	(29)	SIGNED	1	ASCBHLHI	- INDICATION OF SUSPEND LOCKS HELD AT TASK SUSPENSION
42	(2A)	SIGNED	2	ASCBDPH (0)	- HALFWORD DISPATCHING PRIORITY
42	(2A)	SIGNED	1	ASCBDPHI	- HIGH ORDER BYTE OF HALFWORD DISPATCHING PRIORITY
43	(2B)	SIGNED	1	ASCBDP	- DISPATCHING PRIORITY RANGE FROM 0-255
44	(2C)	SIGNED	4	ASCBTCBE	- Count of ready tcbs in the space that are in an enclave. Ownership: Task Management Serialization: Compare and Swap and WEB Lock of TCB for which this count is being manipulated.
48	(30)	ADDRESS	4	ASCBLDA	- POINTER TO LOCAL DATA AREA PART OF LSQA FOR VSM
52	(34)	BITSTRING	1	ASCBRSMF	- RSM ADDRESS SPACE FLAGS (MDC368)
		1...		ASCB2LPU	"X'80'" - SECOND LEVEL PREFERRED USER. THIS OFFSET FIXED BY ARCHITECTURE. (MDC369)
		.1..		ASCB1LPU	"X'40'" - FIRST LEVEL PREFERRED USER (MDC370)
		..1.		ASCBN2LP	"X'20'" - SRM IN SYSEVENT TRANSWAP SHOULD NOT SET ASCB2LPU BIT - HOWEVER IT MAY ALREADY BE ON AND WILL STAY ON (MDC371)
		...1		ASCBVEQR	"X'10'" - V=R ADDRESS SPACE (MDC372)
53	(35)	BITSTRING	1	ASCBFLG3	- Flags needing no serialization
		1...		ASCBCNIP	"X'80'" - Address space created during NIP
		.1..		ASCBREUS	"X'40'" - This is a reusable ASID. It may be given out only to a reusable ASID requestor
54	(36)	SIGNED	2	ASCBHASI	- Local lock owning ASID
56	(38)	ADDRESS	4	ASCBCSCB	- ADDRESS OF CSCB
60	(3C)	ADDRESS	4	ASCBTSB	- ADDRESS OF TSB
64	(40)	DBL WORD	8	ASCBEJST	- ELAPSED JOB STEP TIMING UNSIGNED 64 BIT BINARY NUMBER
72	(48)	DBL WORD	8	ASCBEWST	- TIME OF DAY WHENEVER I-STREAM IS SWITCHED FROM A MEMORY
80	(50)	SIGNED	4	ASCBJSTL	- CPU TIME LIMIT FOR THE JOB STEP UNSIGNED 32 BIT BINARY NUMBER
84	(54)	SIGNED	4	ASCBECB	- RCT'S WORK ECB
88	(58)	SIGNED	4	ASCBUBET	- TIME STAMP WHEN USER BECOMES READY
92	(5C)	ADDRESS	4	ASCBTLCH	- CHAIN FIELD FOR TIME LIMIT EXCEEDED QUEUE (MDC329)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
96	(60)	ADDRESS	4	ASCBDUMP	- SVC DUMP TASK TCB ADDRESS
100	(64)	SIGNED	4	ASCBFW1 (0)	- FULL-WORD LABEL TO BE USED FOR COMPARE AND SWAP FOR ANY BIT IN THIS WORD MDC026
100	(64)	SIGNED	2	ASCBAFFN	- CPU AFFINITY INDICATOR
102	(66)	BITSTRING	1	ASCBRCTF	- FLAGS FOR RCT SERIALIZED BY COMPARE AND SWAP
		1...		ASCBTMNO	"X'80'" - MEMORY IS BEING QUIESCED, IS QUIESCED, OR IS BEING RESTORED
		.1..		ASCBFRS	"X'40'" - RESTORE REQUEST
		..1.		ASCBFQU	"X'20'" - QUIESCE REQUEST
		...1		ASCBJSTE	"X'10'" - JOB STEP TIME EXCEEDED. NOT USED BY RCT
		.... 1...		ASCBWAIT	"X'08'" - LONG WAIT INDICATOR
		.... .1..		ASCBOUT	"X'04'" - ADDRESS SPACE CONSIDERED SWAPPED OUT
		.... ..1.		ASCBTMLW	"X'02'" - MEMORY IS IN A LONG WAIT
		1		ASCBTOFF	"X'01'" - MEMORY SHOULD NOT BE CHECKED FOR JOB STEP TIMING. NOT USED BY RCT
103	(67)	BITSTRING	1	ASCBFLG1	- FLAG FIELD
		1...		ASCBLSAS	"X'80'" - ADDRESS SPACE IS LOGICALLY SWAPPED OUT SERIALIZATION - WHEN SETTING, CPU LOCK, AND THE SWAP INTERSECT - WHEN RESETTING, NONE REQUIRED
		.1..		ASCBDSTK	"X'40'" - SRM REQUIRES A TIME STAMP TO DETERMINE WHEN THE ADDRESS SPACE GOES INTO LONG WAIT. ASCBEWST WILL BE UPDATED WHEN THIS BIT IS ON. NOTE: If this bit moves position the bit constant ASCBDSTZ must also be changed.
		.1..		ASCBDSTZ	"X'40'" - Bit constant for bit position ASCBDSTK. PL/X cannot map bit positions in generated code, so this bit constant allows PL/X to set the bit in generated assembler.
		...1		ASCBTERM	"X'10'" - ADDRESS SPACE TERMINATING NORMALLY
		.... 1...		ASCBABNT	"X'08'" - ADDRESS SPACE TERMINATING ABNORMALLY
		.... .1..		ASCBMEMP	"X'04'" - Memory Termination PURGEDQ flag Serialization: none
104	(68)	SIGNED	4	ASCBTMCH	- TERMINATION QUEUE CHAIN
108	(6C)	ADDRESS	4	ASCBASXB	- POINTER TO ADDRESS SPACE EXTENSION CONTROL BLOCK (ASXB)
112	(70)	SIGNED	4	ASCBFW2 (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD (MDC330)
112	(70)	SIGNED	2	ASCBSWCT	- NUMBER OF TIMES MEMORY ENTERS SHORT WAIT
114	(72)	BITSTRING	1	ASCBDSP1	- NONDISPATCHABILITY FLAGS. SERIALIZATION - GLOBAL INTERSECT. (MDC388)
		1...		ASCBSSND	"X'80'" - SYSTEM SET NONDISPATCHABLE AND THIS ASCB IS NOT EXEMPT (MDC331)
		.1..		ASCBFAIL	"X'40'" - A FAILURE HAS OCCURRED WITHIN THE ADDRESS SPACE. THE MEMORY IS NONDISPATCHABLE
		..1.		ASCBSNQS	"X'20'" - STATUS STOP NON-QUIESCABLE LEVEL SRB'S (MDC323)
		...1		ASCBSSSS	"X'10'" - STATUS STOP SRB SUMMARY (MDC332)
		.... 1...		ASCBSTND	"X'08'" - TCB'S NONDISPATCHABLE (MDC322)
		.... .1..		ASCBUWND	"X'04'" - STATUS SET UNLOCKED WORKUNITS NONDISPATCHABLE.
		.... ..1.		ASCBNOQ	"X'02'" - ASCB NOT ON SWAPPED IN QUEUE
115	(73)	BITSTRING	1	ASCBFLG2	- FLAG BYTE. SERIALIZATION - GLOBAL INTERSECT (MDC387)
		1...		ASCBXMPT	"X'80'" - ASCB EXEMPT FROM SYSTEM NONDISPATCHABLE MDC013
		.1..		ASCBPXMT	"X'40'" - ASCB PERMANENTLY EXEMPT FROM SYSTEM NONDISPATCHABLE MDC014
		..1.		ASCBCEXT	"X'20'" - CANCEL TIMER EXTENSION BECAUSE EOT PROCESSING IS STARTED FOR THE JOB STEP TCB MDC021
		...1		ASCBS2S	"X'10'" - FOR LOCK MANAGER, ENTRY MADE TO STAGE II EXIT EFFECTOR WITHOUT CORRESPONDING ENTRY TO STAGE III EXIT EFFECTOR MDC020
		.... 1...		ASCBNCML	"X'08'" - ASCB NOT ELIGIBLE FOR CML LOCK REQUESTS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		ASCBNOMT	"X'04'" - ADDRESS SPACE MUST NOT BE MEMTERMED UNLESS A DAT ERROR HAS OCCURRED. IF A DAT ERROR HAS OCCURRED, ACTION IS CONTROLLED BY ASCBNOMD. OWNERSHIP - SCHEDULER (MDC387)
		.... ..1.		ASCBNOMD	"X'02'" - IF ON,ADDRESS SPACE CANNOT BE MEMTERMED ON A DAT ERROR. IF OFF, PROCESS MEMTERM ON A DAT ERROR. OWNERSHIP - SCHEDULER (MDC387)
116	(74)	SIGNED	4	ASCBSCNT (0)	- FULLWORD LABEL FOR COMPARE AND SWAP (CS) (MDC333)
116	(74)	SIGNED	2		- FIRST HALFWORD OF ASCBSCNT MUST BE ZERO (MDC387)
118	(76)	SIGNED	2	ASCBSRBS	- COUNT OF SRB'S SUSPENDED IN THIS MEMORY (MDC325)
120	(78)	ADDRESS	4	ASCBLLWQ	- ADDRESS SPACE LOCAL LOCK SUSPEND SERVICE WEB QUEUE SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
124	(7C)	ADDRESS	4	ASCBRCTP	- POINTER TO REGION CONTROL TASK (RCT) TCB (MDC334)
128	(80)	DBL WORD	8	ASCBLKGP (0)	- LOCK GROUP (MDC306)
128	(80)	SIGNED	4	ASCBLOCK	- LOCAL LOCK. THIS OFFSET FIXED BY ARCHITECTURE. (MDC305)
132	(84)	ADDRESS	4	ASCBLSWQ	- ADDRESS SPACE LOCAL LOCK WEB SUSPEND QUEUE THIS OFFSET FIXED BY ARCHITECTURE. (MDC307) SERIALIZATION: CDS WITH ASCBLOCK OWNERSHIP: SUPERVISOR CONTROL
		1...		ASCBS3NL	"X'80'" - THE LOCAL LOCK IS NEEDED BY THE STAGE 3 EXIT EFFECTOR TO QUEUE ASYNCHRONOUS EXITS E SERIALIZATION: CDS WITH ASCBLOCK OWNERSHIP: SUPERVISOR CONTROL
		1		ASCBLTCL	"X'01'" - THE LOCAL LOCK IS NEEDED BY SOME TCB or preemptable-class SRB WHEN SET IN BIT 31 OF ASCBLSWQ.
136	(88)	SIGNED	4	ASCBQECB	- QUIESCE ECB
140	(8C)	SIGNED	4	ASCBMECB	- MEMORY CREATE/DELETE ECB
144	(90)	ADDRESS	4	ASCBOUCB	- SYSTEM RESOURCES MANAGER (SRM) USER CONTROL BLOCK POINTER
148	(94)	ADDRESS	4	ASCBOUXB	- SYSTEM RESOURCES MANAGER (SRM) USER EXTENSION BLOCK POINTER
152	(98)	SIGNED	4	ASCBFW2A (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD. SERIALIZATION - CS.
152	(98)	SIGNED	2	ASCBFMCT	- RESERVED. ALLOCATED PAGE FRAME COUNT NOW RESIDES IN THE RAX (MAPPING MACRO IARRAX).
154	(9A)	BITSTRING	1	ASCBLEVL	- LEVEL NUMBER OF ASCB
		....		ASCBVS00	"X'00'" - HBB2102 (NOT IN BASE)
		1		ASCBVS01	"X'01'" - JBB2110
		.... ..1.		ASCBVS02	"X'02'" - JBB2133
		11		ASCBVS03	"X'03'" - HBB4410
		11		ASCBVERS	"X'03'" - LEVEL OF THIS MAPPING
155	(9B)	BITSTRING	1	ASCBFL2A	- FLAG BYTE.
		1...		ASCBNOPR	"X'80'" - NO PREEMPTION FLAG 1=DO NOT SIGP ANOTHER PROCESSOR TO EXECUTE READY WORK IN THIS SPACE 0=DO SIGP ANOTHER PROCESSOR OWNERSHIP: SRM SERIALIZATION: CS ON ASCBFW2A
156	(9C)	ADDRESS	4	ASCBHREQ	- Local lock requestor address
160	(A0)	ADDRESS	4	ASCBIQEA	- POINTER TO IQE FOR ATCAM ASYNCHRONOUS PROCESSING MDC010
164	(A4)	ADDRESS	4	ASCBRTMC	- ANCHOR FOR SQA SDWA QUEUE (MDC388)
168	(A8)	CHARACTER	4	ASCBMCC	- USED TO HOLD A MEMORY TERMINATION COMPLETION CODE ON ABNORMAL MEMORY TERMINATION MDC012
172	(AC)	ADDRESS	4	ASCBJBNI	- POINTER TO JOBNAME FIELD FOR INITIATED PROGRAMS OR ZERO MDC018
176	(B0)	ADDRESS	4	ASCBJBNS	- POINTER TO JOBNAME FIELD FOR START/MOUNT/LOGON OR ZERO MDC019
180	(B4)	SIGNED	4	ASCBSRQ (0)	- DISPATCHER SERIALIZATION REQUIRED (MDC312)
180	(B4)	BITSTRING	1	ASCBSRQ1	- FIRST BYTE OF ASCBSRQ (MDC313)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		ASCBDSG4	"X'80'" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC335)
		.1..		ASCBDFLT	"X'40'" - DEFAULT LOCAL INTERSECT (MDC336)
181	(B5)	BITSTRING	1	ASCBSRQ2	- SECOND BYTE OF ASCBSRQ (MDC315)
		1...		ASCBDSG3	"X'80'" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC337)
		.... ..1.		ASCBSRM1	"X'02'" - SYSTEM RESOURCE MANAGER (SRM) INTERSECTING (MDC338)
		1		ASCBQVER	"X'01'" - QUEUE VERIFICATION INTERSECTING (MDC339)
182	(B6)	BITSTRING	1	ASCBSRQ3	- THIRD BYTE OF ASCBSRQ (MDC316)
		1...		ASCBDSG2	"X'80'" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC340)
		.1..		ASCBRCTI	"X'40'" - REGION CONTROL TASK (RCT) INTERSECTING (MDC381)
		..1.		ASCBTCBV	"X'20'" - TCB VERIFICATION INTERSECTING (MDC342)
		...1		ASCBACHA	"X'10'" - ASCB CHAP INTERSECTING (MDC343)
		.... .1..		ASCBMTER	"X'04'" - MEMORY TERMINATION INTERSECTING (MDC345)
		.... ..1.		ASCBMINI	"X'02'" - MEMORY INITIALIZATION INTERSECTING (MDC346)
		1		ASCBCBVE	"X'01'" - CONTROL BLOCK VERIFICATION INTERSECTING (MDC347)
183	(B7)	BITSTRING	1	ASCBSRQ4	- FOURTH BYTE OF ASCBSRQ (MDC317)
		1...		ASCBDSG1	"X'80'" - SIGNAL WAITING PROCESSORS WHEN INTERSECT IS RESET (MDC348)
		.1..		ASCBDETA	"X'40'" - DETACH INTERSECTING (MDC349)
		..1.		ASCBATTA	"X'20'" - ATTACH INTERSECTING (MDC350)
		...1		ASCBRTM2	"X'10'" - RTM2 INTERSECTING (MDC351)
		.... 1...		ASCBRTM1	"X'08'" - RTM1 INTERSECTING (MDC352)
		.... .1..		ASCBCHAP	"X'04'" - CHAP INTERSECTING (MDC353)
		.... ..1.		ASCBSTAT	"X'02'" - STATUS INTERSECTING (MDC354)
		1		ASCBPURD	"X'01'" - PURGEDQ INTERSECTING (MDC355)
184	(B8)	ADDRESS	4	ASCBVGTT	- ADDRESS OF VSAM GLOBAL TERMINATION TABLE (VGTT) MDC024
188	(BC)	ADDRESS	4	ASCBPCTT	- ADDRESS OF PRIVATE CATALOG TERMINATION TABLE (PCTT) MDC025
192	(C0)	SIGNED	2	ASCBSSRB	- COUNT OF STATUS STOP SRB'S (MDC324)
194	(C2)	SIGNED	1	ASCBSMCT	- NUMBER OF OUTSTANDING STEP MUST COMPLETE REQUESTS IN ADDRESS SPACE MDC016
195	(C3)	BITSTRING	1	ASCBSRBM	- MODEL PSW BYTE 0 USED BY SRB DISPATCHER (MDC379)
		.1..		ASCBPER	"X'40'" - PER BIT IN ASCBSRBM - ALSO USED TO SHOW PER STATUS FOR THE ADDRESS SPACE (MDC380)
196	(C4)	SIGNED	4	ASCBSWTL	- STEP WAIT TIME LIMIT MDC029
200	(C8)	DBL WORD	8	ASCBSRBT	- ACCUMULATED SRB TIME MDC030
208	(D0)	ADDRESS	4	ASCBLTCB	- TCB and preemptable-class SRB Local lock suspend queue. Serialization: Adding, CS. Deleting, ASCB CML promotion WEB lock and CS.
212	(D4)	SIGNED	4	ASCBLTCN	- Count of TCB and preemptable- class SRB (local and CML) requestors needing this local lock. Serialization: CS
216	(D8)	SIGNED	4	ASCBTCBS	- NUMBER OF READY TCB'S. THE ACTUAL NUMBER OF READY TCBS IS ASCBTCBS-ASCBLSQT. SERIALIZATION: CS OWNERSHIP: TASK MANAGEMENT
220	(DC)	SIGNED	4	ASCBLSQT	- NUMBER OF TCBS ON A LOCAL LOCK SUSPEND QUEUE. SERIALIZATION: CS OWNERSHIP: TASK MANAGEMENT
224	(E0)	ADDRESS	4	ASCBWPRB	- ADDRESS OF WAIT POST REQUEST BLOCK (MDC362)
228	(E4)	SIGNED	4	ASCBSRDP (0)	- SYSTEM RESOURCE MANAGER (SRM) DISPATCHING PRIORITY (MDC363)
228	(E4)	SIGNED	1	ASCBNDP	- NEW DISPATCHING PRIORITY (MDC364)
229	(E5)	SIGNED	1	ASCBTNDP	- NEW TIME SLICE DISPATCHING PRIORITY (MDC365)
230	(E6)	SIGNED	1	ASCBNTSG	- NEW TIME SLICE GROUP (MDC366)
231	(E7)	SIGNED	1	ASCBIODP	- I/O PRIORITY (MDC374)
232	(E8)	ADDRESS	4	ASCBLOCI	- LOCK IMAGE, ADDRESS OF ASCB HOLDING THIS ASCB'S LOCAL LOCK AS A CML LOCK. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR. (MDC384)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
236	(EC)	ADDRESS	4	ASCBCMLW	- ADDRESS OF THE WEB REPRESENTING THE WORKUNIT THAT IS HOLDING THIS ASCB'S LOCAL LOCK AS A CML OR LOCAL LOCK. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR CONTROL
240	(F0)	SIGNED	4	ASCBCMLC	- COUNT OF CML LOCKS HELD BY THIS ADDRESS SPACE. SERIALIZATION - CS. OWNERSHIP - SUPERVISOR. (MDC384)
244	(F4)	SIGNED	4	ASCBSSOM (0)	- SPACE SWITCH EVENT OWNER MASK. SERIALIZATION - CS. OWNERSHIP - SUPERVISOR.
244	(F4)	BITSTRING	3	ASCBSSO1	- SPACE SWITCH EVENT OWNER MASK BYTES 1 - 3. (MDC389)
247	(F7)	BITSTRING	1	ASCBSSO4	- SPACE SWITCH EVENT OWNER MASK BYTE 4. (MDC389)
		.... ..1.		ASCBSSSP	"X'02'" - SLIP/PER REQUESTED NOTIFICATION ON SPACE SWITCH EVENTS. (MDC389)
		1		ASCBSSJS	"X'01'" - JOB STEP TERMINATION REQUESTED SPACE SWITCH EVENTS FOR BREAKING LATENT ADDRESSING BINDS (MDC389)
248	(F8)	ADDRESS	4	ASCBASTE	- VIRTUAL ADDRESS OF ADDRESS SPACE SECOND TABLE ENTRY (ASTE). SERIALIZATION - N/A. OWNERSHIP - SUPERVISOR. (MDC384)
252	(FC)	ADDRESS	4	ASCBLTOV	- VIRTUAL ADDRESS OF THE LINKAGE TABLE ORIGIN. (LOCATED IN PC/AUTH ADDRESS SPACE LSQA). SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
256	(100)	ADDRESS	4	ASCBATOV	- VIRTUAL ADDRESS OF AUTHORIZATION TABLE (LOCATED IN PC/AUTH ADDRESS SPACE LSQA). SERIALIZATION: PC/AUTH, ADDRESS SPACE LOCAL LOCK. OWNERSHIP: XM SERVICES (MDC384)
260	(104)	SIGNED	2	ASCBETC	- NUMBER OF ENTRY TABLES CURRENTLY OWNED BY THIS ADDRESS SPACE. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
262	(106)	SIGNED	2	ASCBETCN	- NUMBER OF CONNECTIONS TO ENTRY TABLES IN THIS ADDRESS SPACE CONTAINING ANY SPACE SWITCH ENTRIES. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC387)
264	(108)	SIGNED	2	ASCBLXR	- NUMBER OF LINKAGE INDEXES RESERVED BY THIS ADDRESS SPACE. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
266	(10A)	SIGNED	2	ASCBAXR	- NUMBER OF AUTHORIZATION INDEXES RESERVED BY THIS ADDRESS SPACE. SERIALIZATION - PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC384)
268	(10C)	ADDRESS	4	ASCBSTKH	- ADDRESS OF LOCAL STACK POOL HEADER FOR PCLINK SERVICE. SERIALIZATION - N/A. OWNERSHIP - XM SERVICES. (MDC383)
272	(110)	SIGNED	4	ASCBGQEL	- ADDRESS SPACE GLOBAL RESOURCE QUEUE. SERIALIZATION - GRS LOCAL LOCK. OWNERSHIP - GRS (MDC389)
276	(114)	SIGNED	4	ASCBLQEL	- ADDRESS SPACE LOCAL RESOURCE QUEUE. SERIALIZATION - LOCAL LOCK OWNING ASID OWNERSHIP - GRS. (MDC389)
280	(118)	SIGNED	4	ASCBGSYN	- GRS SYNCHRONIZATION REQUEST QUEUE. SERIALIZATION - CMSEQDQ CLASS LOCK. OWNERSHIP - GRS. (MDC389)
284	(11C)	ADDRESS	4	ASCBXTCB	- ADDRESS OF THE JOB STEP @G381P9A TASK TCB WHICH OWNS THE CROSS MEMORY RESOURCES IN THIS ADDRESS SPACE. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR. (MDC384)
288	(120)	SIGNED	4	ASCBFW3 (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD. SERIALIZATION - CS. (MDC384)
288	(120)	BITSTRING	1	ASCBCS1	- FIRST BYTE OF COMPARE AND SWAP FLAGS. (MDC384)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		ASCBXMET	"X'80'" - IF ONE, THE ADDRESS SPACE IS NON-REUSABLE BECAUSE OF CROSS MEMORY CONNECTIONS TO IT. THIS CONDITION MAY NOT BE PERMANENT. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES.
		.1..		ASCBXMEC	"X'40'" - CROSS MEMORY ENTRY TABLES CONTAINING SPACE SWITCH ENTRIES HAVE BEEN CREATED BY THIS ADDRESS SPACE. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES. (MDC390)
		..1.		ASCBXMPA	"X'20'" - IF ONE, THE ADDRESS SPACE IS PERMANENTLY NON-REUSABLE BECAUSE OF INCOMPLETE TERMINATION PROCESSING OF PC/AUTH RESOURCE MANAGER. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES.
		...1		ASCBXMLK	"X'10'" - IF ONE, THE ADDRESS SPACE IS PERMANENTLY NON-REUSABLE BECAUSE OF A CML BIND. SERIALIZATION - CS AND PC/AUTH ADDRESS SPACE LOCAL LOCK. OWNERSHIP - XM SERVICES.
		.... 1...		ASCBPERS	"X'08'" - COMMUNICATION BIT FOR SLIP/PER SRB ROUTINES. IF 1, THE LOCAL SRB ROUTINE WILL ACTIVATE PER FOR THE SPECIFIED ADDRESS SPACE/JOB/CROSS MEMORY REFERENCES. IF 0, THE LOCAL SRB ROUTINE WILL DEACTIVATE PER FOR THE ADDRESS SPACE. SERIALIZATION - CS AND SLIP SERIALIZATION WORD, SHDRSEQ. OWNERSHIP - SLIP/PER. (MDC390)
		.... .1..		ASCBDTER	"X'04'" - A DAT ERROR HAS OCCURRED FOR THIS ADDRESS SPACE. SERIALIZATION - CS. OWNERSHIP - RTM. (MDC390)
		.... ..1.		ASCBPERO	"X'02'" - PER PROCESSING NEEDS TO BE DONE WHEN ADDRESS SPACE IS SWAPPED IN. SERIALIZATION - CS. OWNERSHIP - SLIP.
		1		ASCBSWOP	"X'01'" - ADDRESS SPACE IS SWAPPED OUT WITH RESPECT TO PER PROCESSING BEING DONE. SERIALIZATION - CS. OWNERSHIP - RCT.
289	(121)	BITSTRING	1	ASCBCS2	- SECOND BYTE OF COMPARE AND SWAP FLAGS.
		1...		ASCBSAS	"X'80'" - INDICATES THAT STORAGE ALTERATION SELECTION (PER 2) IS ON FOR EITHER A DATA SPACE ASSOCIATED WITH THE ADDRESS SPACE, OR THE ADDRESS SPACE ITSELF.
		.1..		ASCBSMGR	"X'40'" - This space is or has been associated with the session manager
		..1.		ASCBDTIN	"X'20'" - This space is or has been associated with ISPF
290	(122)	BITSTRING	2	ASCBR122	- RESERVED. SERIALIZATION- CS. (MDC389)
292	(124)	ADDRESS	4	ASCBGXL	- ADDRESS OF GLOBALLY LOADED MODULE EXTENT INFORMATION CONTROL BLOCK. SERIALIZATION - LOCAL LOCK. OWNERSHIP - CONTENTS SUPERVISION (MDC389)
296	(128)	DBL WORD	8	ASCBEATT	- EXPENDED AND ACCOUNTED TASK TIME. SERIALIZATION - N/A. OWNERSHIP - SCHEDULER. (MDC387)
304	(130)	DBL WORD	8	ASCBINTS	- JOB SELECTION TIME STAMP. SERIALIZATION - N/A. OWNERSHIP - SCHEDULER. (MDC387)
312	(138)	SIGNED	4	ASCBFW4 (0)	- FULLWORD LABEL TO ADDRESS BITS IN THIS WORD. SERIALIZATION - LOCAL LOCK. (MDC389)
312	(138)	BITSTRING	1	ASCBLL1	- FIRST BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389)
		1...		ASCBSSPC	"X'80'" - STATUS STOP TASKS PENDING A CML LOCK RELEASE. (MDC389)
313	(139)	BITSTRING	1	ASCBLL2	- SECOND BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389)
314	(13A)	BITSTRING	1	ASCBLL3	- THIRD BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
315	(13B)	BITSTRING	1	ASCBLL4	- FOURTH BYTE OF FLAGS. SERIALIZATION - LOCAL LOCK. (MDC389)
		.... ..1.		ASCBTYP1	"X'02'" - TYPE 1 SVC HAS CONTROL. THIS OFFSET FIXED BY ARCHITECTURE.
316	(13C)	ADDRESS	4	ASCBRCMS	ADDRESS OF THE REQUESTED CMS CLASS LOCK FOR WHICH THE LOCAL LOCK HOLDER IS SUSPENDED. SERIALIZATION - LOCAL LOCK. OWNERSHIP - SUPERVISOR. (MDC391)
320	(140)	SIGNED	4	ASCBIOSC	- I/O SERVICE MEASURE. SERIALIZATION - CS. UPDATED BY JES2,JES3,SMF. READ BY RMF,SMF,SRM.
324	(144)	SIGNED	2	ASCBPKML	- PKM OF LAST TASK DISPATCHED IN THIS ADDRESS SPACE. SERIALIZATION - NONE. OWNERSHIP - DISPATCHER.
326	(146)	SIGNED	2	ASCBXCNT	- EXCP COUNT FIELD. SERIALIZATION - LOCAL LOCK. OWNERSHIP - EXCP.
328	(148)	ADDRESS	4	ASCBNSQA	- ADDRESS OF THE SQA RESIDENT NSSA CHAIN. SERIALIZATION - DISPATCHER LOCK. OWNERSHIP - DISPATCHER.
332	(14C)	ADDRESS	4	ASCBASM	- ADDRESS OF THE ASM HEADER. SERIALIZATION - NONE. OWNERSHIP - ASM.
336	(150)	ADDRESS	4	ASCBASSB	- POINTER TO ADDRESS SPACE SECONDARY BLOCK (ASSB).
340	(154)	ADDRESS	4	ASCBTCME	- POINTER TO TCXTB. OWNERSHIP - TCAM.
344	(158)	ADDRESS	4	ASCBGQIR (0)	- ISGQSCAN INFORMATION ROUTINE ADDRESS. SERIALIZATION - COMPARE AND SWAP. OWNERSHIP - GRS
344	(158)	BITSTRING	1		- BYTE 0 OF ASCBGQIR
		1...		ASCBGQAB	"X'80'" - ISGQSCAN INFORMATION ROUTINE ABENDED FLAG. IF ON, ISGQSCAN INFORMATION ROUTINE UNEXPECTEDLY ABENDED.
345	(159)	BITSTRING	2		- BYTE 1 AND 2 OF ASCBGQIR
347	(15B)	BITSTRING	1	ASCBGQI3	- BYTE 3 OF ASCBGQIR
		1		ASCBGQDS	"X'01'" - ISGQSCAN INFORMATION ROUTINE DISABLED FLAG. IF ON, ISGQSCAN WILL NOT INVOKE THE ISGQSCAN INFORMATION ROUTINE.
348	(15C)	SIGNED	4	ASCBLSQE	- Number of Enclave TCBs that are on a Local Lock Suspend Queue. Ownership: Task Management Serialization: Compare and Swap
352	(160)	DBL WORD	8	ASCBIOSX	- I/O service measure extended. This is like ASCBIOSC but it is extended to 8 bytes, so its value continuestto grow past the 4GB ASCBIOSC maximum capacity. Serialization - CSG.
360	(168)	BITSTRING	4	ASCBR168	- RESERVED.
364	(16C)	ADDRESS	4	ASCBRSME	- POINTER TO RSM ADDRESS SPACE BLOCK EXTENSION. SERIALIZATION: RSMAD LOCK OWNERSHIP: RSM
368	(170)	SIGNED	4	ASCBAVM (0)	- AVAILABILITY MANAGER ADDRESS SPACE RELATED DATA. SERIALIZATION: CS. OWNERSHIP: AVM.
368	(170)	BITSTRING	1	ASCBAVM1	- FIRST BYTE OF ASCBAVM. RESERVED.
369	(171)	BITSTRING	1	ASCBAVM2	- SECOND BYTE OF ASCBAVM. RESERVED.
370	(172)	SIGNED	2	ASCBAGEN	- AVM ASID REUSE GENERATION NUMBER.
372	(174)	SIGNED	4	ASCBARC	- REASON CODE ON MEMTERM. SERIALIZATION - N/A. OWNERSHIP - RTM.
376	(178)	ADDRESS	4	ASCBRSM (0)	- ADDRESS OF RSM'S CONTROL BLOCK HEADER.
376	(178)	ADDRESS	4	ASCBRSMA	- ADDRESS OF RSM'S CONTROL BLOCK HEADER.
380	(17C)	SIGNED	4	ASCBDCTI	- ACCUMULATED CHANNEL CONNECT TIME INCURRED BY THIS MEMORY
384	(180)	DBL WORD	8	ASCBEND (0)	- END OF ASCB

ASCB Cross Reference

Name	Hex Offset	Hex Value
ASCB	0	
ASCBABNT	67	8
ASCBACHA	B6	10
ASCBAFFN	64	
ASCBAGEN	172	
ASCBARC	174	
ASCBASCB	0	
ASCBASID	24	
ASCBASM	14C	
ASCBASN	24	
ASCBASSB	150	
ASCBASTE	F8	
ASCBASXB	6C	
ASCBATOV	100	
ASCBATTA	B7	20
ASCBAVM	170	
ASCBAVM1	170	
ASCBAVM2	171	
ASCBAXR	10A	
ASCBBWDP	8	
ASCBCBVE	B6	1
ASCBCEXT	73	20
ASCBCHAP	B7	4
ASCBCMLC	F0	
ASCBCMLW	EC	
ASCBCNIP	35	80
ASCBCSCB	38	
ASCBCS1	120	
ASCBCS2	121	
ASCBDCTI	17C	
ASCBDETA	B7	40
ASCBDFLT	B4	40
ASCBDP	2B	
ASCBDPH	2A	
ASCBDPHI	2A	
ASCBDSG1	B7	80
ASCBDSG2	B6	80
ASCBDSG3	B5	80
ASCBDSG4	B4	80
ASCBDSP1	72	
ASCBDSTK	67	40
ASCBDSTZ	67	40
ASCBDTER	120	4
ASCBDTIN	121	20
ASCBDUMP	60	
ASCBEATT	128	
ASCBECB	54	
ASCBEGIN	0	
ASCBEJST	40	
ASCBEND	180	
ASCBETC	104	
ASCBETCN	106	
ASCBEWST	48	
ASCBFAIL	72	40
ASCBFLG1	67	
ASCBFLG2	73	
ASCBFLG3	35	
ASCBFL2A	9B	
ASCBFMCT	98	
ASCBFQU	66	20
ASCBFRS	66	40
ASCBFWDP	4	
ASCBFW1	64	
ASCBFW2	70	
ASCBFW2A	98	
ASCBFW3	120	
ASCBFW4	138	
ASCBGQAB	158	80
ASCBGQDS	15B	1
ASCBGQEL	110	
ASCBGQIR	158	
ASCBGQI3	15B	
ASCBGSYN	118	
ASCBGXL	124	
ASCBHASI	36	
ASCBHLHI	29	
ASCBHREQ	9C	
ASCBINTS	130	
ASCBIODP	E7	
ASCBIOSC	140	
ASCBIOSP	18	
ASCBIOSX	160	
ASCBIQEA	A0	
ASCBJBNI	AC	
ASCBJBNS	B0	
ASCBJSTE	66	10
ASCBJSTL	50	
ASCBLDA	30	
ASCBLEVL	9A	
ASCBLKGP	80	
ASCBLLWQ	78	
ASCBLL1	138	
ASCBLL2	139	
ASCBLL3	13A	
ASCBLL4	13B	
ASCBLL5	28	
ASCBLOCI	E8	
ASCBLOCK	80	
ASCBLQEL	114	
ASCBLSAS	67	80
ASCBLSQE	15C	
ASCBLSQT	DC	
ASCBLSWQ	84	
ASCBLTCB	D0	
ASCBLTCL	84	1
ASCBLTCN	D4	
ASCBLTCS	C	
ASCBLTOV	FC	
ASCBLXR	108	
ASCBMCC	A8	
ASCBMECB	8C	
ASCBMEMP	67	4
ASCBMINI	B6	2
ASCBMTER	B6	4
ASCBNCML	73	8
ASCBNDP	E4	
ASCBNOMD	73	2
ASCBNOMT	73	4
ASCBNOPR	9B	80
ASCBNOQ	72	2
ASCBNSQA	148	
ASCBNTSG	E6	
ASCBN2LP	34	20
ASCBOUCB	90	
ASCBOUT	66	4
ASCBOUXB	94	

Name	Hex Offset	Hex Value
ASCBPCTT	BC	
ASCBPER	C3	40
ASCBPERO	120	2
ASCBPERS	120	8
ASCBPKML	144	0
ASCBPURD	B7	1
ASCBPXMT	73	40
ASCBQECB	88	
ASCBQVER	B5	1
ASCBRCMS	13C	
ASCBRCTF	66	
ASCBRCTI	B6	40
ASCBRCTP	7C	
ASCBREUS	35	40
ASCBRSM	178	
ASCBRSMA	178	
ASCBRSME	16C	
ASCBRSMF	34	
ASCBRTMC	A4	
ASCBRTM1	B7	8
ASCBRTM2	B7	10
ASCBR01C	1C	
ASCBR026	26	
ASCBR122	122	
ASCBR168	168	
ASCBSAS	121	80
ASCBSAWQ	20	
ASCBSCNT	74	
ASCBSMCT	C2	
ASCBSMGR	121	40
ASCBSNQS	72	20
ASCBSRBM	C3	
ASCBSRBS	76	
ASCBSRBT	C8	
ASCBSRDP	E4	
ASCBSRM1	B5	2
ASCBSRQ	B4	
ASCBSRQ1	B4	
ASCBSRQ2	B5	
ASCBSRQ3	B6	
ASCBSRQ4	B7	
ASCBSSJS	F7	1
ASCBSSND	72	80
ASCBSSOM	F4	
ASCBSSO1	F4	
ASCBSSO4	F7	
ASCBSSPC	138	80
ASCBSSRB	C0	
ASCBSSSP	F7	2
ASCBSSSS	72	10
ASCBSTAT	B7	2
ASCBSTKH	10C	
ASCBSTND	72	8
ASCBSUPC	10	
ASCBSVRB	10	
ASCBSWCT	70	
ASCBSWOP	120	1
ASCBSWTL	C4	
ASCBSYNC	14	
ASCBS2S	73	10
ASCBS3NL	84	80
ASCBS3S	28	20
ASCBTCBE	2C	
ASCBTCBS	D8	
ASCBTCBV	B6	20
ASCBTCME	154	
ASCBTERM	67	10
ASCBTLCH	5C	
ASCBTMCH	68	
ASCBTMLW	66	2
ASCBTMNO	66	80
ASCBTNDP	E5	
ASCBTOFF	66	1
ASCBTSB	3C	
ASCBTYP1	13B	2
ASCBUBET	58	
ASCBURRQ	20	80
ASCBUWND	72	4
ASCBVEQR	34	10
ASCBVERS	9A	3
ASCBVGTT	B8	
ASCBVS00	9A	0
ASCBVS01	9A	1
ASCBVS02	9A	2
ASCBVS03	9A	3
ASCBWAIT	66	8
ASCBWPRB	E0	
ASCBWQID	1E	
ASCBWQLK	1C	
ASCBXCNT	146	
ASCBXMEC	120	40
ASCBXMET	120	80
ASCBXMLK	120	10
ASCBXMPA	120	20
ASCBXMPT	73	80
ASCBXTCB	11C	
ASCB1LPU	34	40
ASCB2LPU	34	80

ASEO Programming Interface Information

Programming Interface Information

ASEO

End of Programming Interface Information

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ASEO Heading Information

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

ASEO Map

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

ASMHD Heading Information

Common Name: Auxiliary Storage Management Header
Macro ID: ILRASMHD
DSECT Name: ASMHD
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: YES
Subpool: 245
Key: 0
Data Space: NO
Residency: Above 16 Megabytes virtual
Size: 40 Bytes
Created by: ILRASHCD
Pointed to by: ASCBASM field of ASCB data area
Serialization: The ASMGL lock is used to serialize: I/O control flags, swap and page counters, and the swap queues. The ASM class lock of the owning address space is used to serialize the VIO control flags and LGE queue base pointer.
Function: ASMHD is used by ASM to manage paging I/O and swap operations for each private address space. ASM also uses ASMHD to control all operations for VIO data sets owned by a private address space.

ASMHD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	40	ASMHD	ASM Header
0	(0)	BITSTRING	1	ASHFLAG1	I/O control flags
		1...		ASHSWPOT	Swap-out flag. 1 = Swap-out operation in progress, 0 = No swap-out in progress
		.1..		ASHCAPER	Swap capture queue error. 1 = One or more swap-out AIAs on swap capture queue has suffered an I/O error, 0 = All AIAs on swap capture queue have completed successfully
		..1.		ASHPERME	Permanent software error flag. 1 = One or more swap-out AIAs on the swap capture queue has a non-restartable soft error, 0 = All AIAs on the swap capture queue have no logical errors
		...1		ASHRSV2	Reserved
		.... 1...		ASHRSV3	Reserved
		.... .1..		ASHRSV4	Reserved
		.... ..1.		ASHRSV5	Reserved
		1		ASHRSV6	Reserved
1	(1)	BITSTRING	1	ASHFLAG2	VIO control flags
		1...		ASHSCHED	SRB controller scheduled flag. 1 = SRB controller has been scheduled, but not dispatched SRB for address space not available, 0 = SRB for address space available
		.1..		ASHRSV13	Reserved
		..1.		ASHRSV7	Reserved
		...1		ASHRSV8	Reserved
		.... 1...		ASHRSV9	Reserved
		.... .1..		ASHRSV10	Reserved
		.... ..1.		ASHRSV11	Reserved
		1		ASHRSV12	Reserved
2	(2)	SIGNED	2	ASHRSV15	Reserved
4	(4)	SIGNED	4	ASHSWPCT	Count of started/not complete LSQA swap-out AIAs
8	(8)	SIGNED	4	ASHRSV14	Reserved

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ASMHD Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	ADDRESS	4	ASHSWAPQ	Swap queue for AIAs, this queue is a hold queue for LSQA AIAs during swap-out processing of non-LSQA I/O
16	(10)	ADDRESS	4	ASHCAPQ	Swap capture queue used to collect I/O complete AIAs during LSQA swap-out processing
20	(14)	SIGNED	4	ASHLOCK	Lock word for ASM class lock, used by VIO control processing
24	(18)	ADDRESS	4	ASHVSRBP	Address of SRB used by VIO control to dispatch the SRB controller. This pointer is zero if no VIO data sets have ever been used by the address space. Once created, the SRB is not freed until address space termination.
28	(1C)	ADDRESS	4	ASHLGEQ	Address of first LGE in queue of LGEs for VIO data sets
32	(20)	UNSIGNED	4	ASHNSWRR	Count of non-swap write request AIAs received by I/O control for this address space. This does not include swap that spills to paging data sets or migration I/O.
36	(24)	UNSIGNED	4	ASHNSWRC	Count of non-swap write request AIAs completed and returned to RSM for this address space. This does not include swap that spills to paging data sets or migration I/O.

ASMHD Cross Reference

Name	Hex Offset	Hex Value
ASHCAPER	0	40
ASHCAPQ	10	
ASHFLAG1	0	
ASHFLAG2	1	
ASHLGEQ	1C	
ASHLOCK	14	
ASHNSWRC	24	
ASHNSWRR	20	
ASHPERME	0	20
ASHRSV10	1	04
ASHRSV11	1	02
ASHRSV12	1	01
ASHRSV13	1	40
ASHRSV14	8	
ASHRSV15	2	
ASHRSV2	0	10
ASHRSV3	0	08
ASHRSV4	0	04
ASHRSV5	0	02
ASHRSV6	0	01
ASHRSV7	1	20
ASHRSV8	1	10
ASHRSV9	1	08
ASHSCHED	1	80
ASHSWAPQ	C	
ASHSWPCT	4	
ASHSWPOT	0	80
ASHVSRBP	18	
ASMHD	0	

ASMVT Heading Information

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

ASMVT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	1280	ASMVT	ASM Vector Table
0	(0)	BITSTRING	1	ASMFLAG1	ASM global flag field 1
		1...		*	Reserved
		.1..		ASMNPRIM	No primary page data set flag. 1 = Do not write to the primary page data set, 0 = Process common pages normally
		..1.		ASMNOLCL	No local data paging flag. 1 = All writes must be sent to the primary page data set, 0 = Write private pages normally
		...1		ASMPGDEL	PAGEDEL in progress flag. 1 = PAGEDEL is currently in process, 0 = PAGEDEL not active.
		.... 1...		*	Reserved
		.... .1..		ASMPLPAF	PLPA data set full flag. 1 = PLPA data set full, 0 = PLPA data set not full
		.... ..1.		ASMCOMMF	Common data set full flag. 1 = Common data set full, 0 = Common data set not full
		1		ASMPLPAS	PLPA data set spill flag. 1 = PLPA data set spilled to common data set during PLPA build at NIP time, 0 = PLPA data set not full after PLPA build
1	(1)	BITSTRING	1	ASMFLAG2	ASM global flag field 2
		1...		ASMDSRO	Data sets made read-only flag. 1 = ILRPGDEL has made data sets read-only on a delete request, 0 = ILRPGDEL has not made data sets read-only.
		.1..		ASMNOSAV	No save flag. 1 = VIO journaling data set unavailable or full, save requests not done, 0 = VIO journaling data set available for use
		..1.		ASMNOTMR	No task mode release flag. 1 = Task mode release (ILRTMRLG) has suffered indeterminate errors, do not post its ECB, 0 = ILRTMRLG running normally
		...1		ASMNOTPT	No TPARTBLE flag. 1 = A read or write of TPARTBLE has failed, it is not up to date, 0 = TPARTBLE available and correct
		.... 1...		ASMQUICK	Quick start IPL flag. 1 = ASM initialization processed PLPA in quick start mode (not CLPA), 0 = ASM initialization processed PLPA in cold start mode (CLPA), or was forced to convert to cold start mode
		.... .1..		ASMWARM	Warm start IPL flag. 1 = ASM initialization processed VIO data sets in warm start mode (not CVIO), 0 = ASM initialization processed VIO data sets in CVIO mode, or was forced to convert a warm start request to CVIO

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Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		ASMSPILL	VIO overflow flag. 1 = Message issued indicating VIO spilled to non-VIO data sets, 0 = No message issued yet for VIO spill
		1		ASMNOWM	No warm start flag. 1 = Message issued indicating a VIO journaling data set failure, future warm starts will fail, 0 = no warm start failure message yet
2	(2)	CHARACTER	2	ASMRSV2	Reserved
4	(4)	ADDRESS	4	ASMTDVT	DEVTAB address during NIP
8	(8)	ADDRESS	4	ASMPART	Address of paging activity reference table - PART
12	(C)	ADDRESS	4	ASMGOS	Address of ILRGOS, used by ILRCALL macro. AMODE in high order bit
16	(10)	ADDRESS	4	ASMTRPAG	Address of ILRTRPAG, entry point in ILRPOS, used by ILRCALL macro. AMODE in high order bit
20	(14)	ADDRESS	4	ASMEREC	Address of bad slot error record maintained by ILRCMP
24	(18)	ADDRESS	4	ASMMSGBF	Address of message buffer used by ASM message routine
28	(1C)	UNSIGNED	1	ASMCOMDS	Index into the PART to the page data set to receive PLPA and common area writes
29	(1D)	BITSTRING	1	ASMSECP	NOP flags to be copied into the NOP CCW of each channel program
30	(1E)	BITSTRING	1	ASMFLAG3	ASM global flag field 3
		1...		ASMWTO5E	1 = ILR005E was issued during this IPL. 0 = ILR005E has not been issued during this IPL.
		.1..		ASMCINIT	1 = Post-MSI cache initialization has been completed
		..11 1111		*	Unused
31	(1F)	CHARACTER	1	ASMRSV5	Reserved
32	(20)	ADDRESS	4	ASMDSECB	Dataset ENQ ECB
36	(24)	SIGNED	4	ASMGLLOK	ASM global lock word

Comment

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

End of Comment

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

Comment

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

End of Comment

112	(70)	SIGNED	4	ASMSLOTS	Count of total local slots in all open local page data sets
116	(74)	SIGNED	4	ASMVSC	Count of total local slots allocated to VIO private area pages
120	(78)	SIGNED	4	ASMNVSC	Count of total local slots allocated to non-VIO private area pages

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
124	(7C)	SIGNED	4	ASMERRS	Count of bad slots found on local data sets during normal operations
					Comment
					The following section of the ASMVT is used primarily by the VIO controller and the group operator modules.
					End of Comment
128	(80)	ADDRESS	4	ASMFRSEP	ILRFRSRB entry point
132	(84)	ADDRESS	4	ASMLGVT	Address of the logical group vector table
136	(88)	ADDRESS	4	ASMSTGXA	Address of the ACB for VIO journaling data set
140	(8C)	SIGNED	4	ASMCINV	Number of control intervals in the VIO journaling data set
144	(90)	CHARACTER	8	ASMLSAI	ASM storage locator 'S' symbol generator, last 'S' symbol assigned
144	(90)	SIGNED	4	ASMLSAIL	Low word of 'S' symbol generator
148	(94)	SIGNED	4	ASMLSAIH	High word of 'S' symbol generator
152	(98)	CHARACTER	8	ASMGOSQS	Double word reference for ILRGOS work queues
152	(98)	SIGNED	4	ASMGOSWT	Queue of elements for ACEs waiting for VSAM buffer to become available, used by ILRGOS
156	(9C)	SIGNED	4	ASMGOSWK	FIFO work queue of elements for ACEs, used by ILRGOS to start operations waiting for VSAM buffers
160	(A0)	SIGNED	4	ASMREQCT	Number of simultaneous requests that can be made to VSAM, this number (minus one for ILRTMRLG's use) corresponds to the string number parameter on the open for the VIO journaling data set
164	(A4)	ADDRESS	4	ASMTCBPT	Address of ASM TCB
164	(A4)	ADDRESS	4	ASMDSTPT	DSTBL address. Used by ILRASRIM and ILRASRM1 before the ASM TCB is attached.
168	(A8)	SIGNED	4	ASMTMECB	ECB used by ILRTMRLG to wait for work, this ECB is posted by ILRRLG
172	(AC)	SIGNED	4	ASMRLGRQ	Request queue for ILRTMRLG consisting of ACEs queued by ILRRLG, queue is serialized by compare and swap logic
176	(B0)	SIGNED	4	ASMRLGWQ	Work queue for ILRTMRLG to hold ACEs moved from request queues
180	(B4)	ADDRESS	4	ASMTASCB	Address of ASCB for address space in which ILRTMRLG is running
184	(B8)	SIGNED	4	ASMVSAMW	Queue of elements for ACEs waiting for a particular record on the VIO journaling data set to become available, used by ILRVSAMI
188	(BC)	CHARACTER	4	ASMVIO	VIO global flags. Updated by compare and swap
188	(BC)	BITSTRING	1	ASMVIOF1	First flag byte
		1...		ASMDVIO	Global switch for directed VIO function. 1 = Directed VIO operational, 0 = Directed VIO function off. Updated by SRM.
		.1..		ASMNFVIO	VIO conversion free flag. 1 = Do not free entry after VIO conversion, 0 = Free entry after VIO conversion
		..1.		ASMTRPLF	When set, indicates that TERMRPL for VSAM resources has failed. Later processing cannot count on those resources being available.
		...1		ASMVIOJ	1 = VIO journaling is active 0 = Installation has indicated that VIO journaling not needed via VIODSN parameter or by response to message IEA377D during IPL. Is not reset if dynamic allocation or OPEN of the dataset fails (ASMSTGXA will be set to zero, instead).
		 1111		ASMRSV8	Reserved
189	(BD)	CHARACTER	3	ASMRSV9	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				The following section of the ASMVT contains entry point addresses of those ASM routines or subroutines that are called by more than one module, or that reside in LPA. LPA routine entry points are determined at task mode initialization.	
				End of Comment	
192	(C0)	ADDRESS	4	ASMSWEP	Address of ILRSWLIO, LSQA driver entry point of ILRIODRV
196	(C4)	ADDRESS	4	ASMPFRSL	Address of ILRFRSL1, entry point of ILRFRSLT
200	(C8)	ADDRESS	4	*	Reserved
204	(CC)	ADDRESS	4	ASMPEDRV	Address of ILREDRV, redrive entry point of ILRIODRV
208	(D0)	ADDRESS	4	*	Reserved
212	(D4)	ADDRESS	4	ASMPSRMT	Address of ILRPSRMT, (ILREDRV, ILRSWLIO, and resume RMTR)
216	(D8)	ADDRESS	4	ASMPSRBC	Address of ILRSRBC
220	(DC)	ADDRESS	4	ASMVRMTR	Address of ILRSRBRM, entry point of ILRSRBC for VIO RMTR
224	(E0)	ADDRESS	4	ASMPEX	Address of ILRPEX
228	(E4)	ADDRESS	4	ASMPCMPD	Address of ILRCMPDI, entry point of ILRCMP. AMODE in high order bit.
232	(E8)	ADDRESS	4	ASMPCMPN	Address of ILRCMPNE, entry point of ILRCMP. AMODE in high order bit.
236	(EC)	ADDRESS	4	ASMPCMPA	Address of ILRCMPAE, entry point of ILRCMP. AMODE in high order bit.
240	(F0)	ADDRESS	4	ASMPCMP	Address of ILRCMP. AMODE in high order bit
244	(F4)	ADDRESS	4	ASMPSAV	Address of ILRSAV
248	(F8)	ADDRESS	4	ASMPACT	Address of ILRACT
252	(FC)	ADDRESS	4	ASMPRLG	Address of ILRRLG
256	(100)	ADDRESS	4	ASMPFRLG	Address of ILRFRELG, entry point of ILRGOS
260	(104)	ADDRESS	4	ASMPMSG0	Address of ILRMSG00
264	(108)	ADDRESS	4	ASMPMSGS	Address of ILRMSGSP, entry point of ILRMSG00
268	(10C)	ADDRESS	4	ASMPVACQ	Address of ILRVACQ2, entry point of ILRFRR01
272	(110)	ADDRESS	4	ASMPIOFR	Address of ILRIOFRR, I/O control recovery routine
276	(114)	ADDRESS	4	ASMPVACE	Address of ILRVACE, entry point of ILRFRR01
280	(118)	ADDRESS	4	ASMPCMRB	Address of ILRCMSRB, routine to handle completed I/O from recovery
284	(11C)	ADDRESS	4	ASMPRSRB	Address of ILRRSMRB, SRB routine used to pass error AIAs to IARGIOCM
288	(120)	ADDRESS	4	ASMPFRSU	Address of ILRFRSLU, entry point of ILRFRSLT for unlocked routines
				Comment	
				The following section of the ASMVT is used by PAGEDEL processing.	
				End of Comment	
292	(124)	ADDRESS	4	ASMPDAIA	Queue header for migration AIAs
296	(128)	CHARACTER	4	ASMPDECB	Migration ECB
300	(12C)	ADDRESS	4	ASMXARTE	Address of replacement XARTE
304	(130)	SIGNED	2	ASMPDCNT	Count of outstanding migration I/O requests
306	(132)	UNSIGNED	2	ASMXSPCW	Count of excess PCCWs
308	(134)	UNSIGNED	2	ASMXSSCW	Count of excess SCCWs
310	(136)	CHARACTER	2	ASMRSV10	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
		The following section of the ASMVT contains the pool controllers that are used by the GMA macro to obtain and release cells for those routines requiring one of these control blocks. The pool controller mapping appears at the end of the ASMVT.			
			End of Comment		
312	(138)	CHARACTER	16	ASMBWKPC	320 byte workarea pool controller
328	(148)	CHARACTER	16	ASMSWKPC	576 byte workarea pool controller, used exclusively by ILRVSAMI
344	(158)	CHARACTER	24	ASMACEPC	ACE pool controller
			Comment		
		The following section of the ASMVT contains work-save areas used by the ASM routines that run with the ASMGL lock.			
			End of Comment		
368	(170)	CHARACTER	160	ASMWKSA2	Used by ILRPOS
528	(210)	CHARACTER	80	ASMWKSA3	Used by ILRFRSLT
608	(260)	CHARACTER	160	ASMWKSAR	Used by ILRDRV01
768	(300)	CHARACTER	80	ASMWKSA6	Used by ILRVIOCM
848	(350)	CHARACTER	80	ASMWKSA7	Used by ILRPEX and ILRMSG00
928	(3A0)	CHARACTER	72	ASMSAVE	Standard register save area used by ASM when calling other routines
			Comment		
		The following section contains PAGEDEL tuning parameters.			
			End of Comment		
1000	(3E8)	BITSTRING	4	ASMWTTM1	Wait interval for aging pages off of read-only data sets
1004	(3EC)	BITSTRING	4	ASMWTTM2	Wait interval for quiescing data set I/O activity
1008	(3F0)	SIGNED	4	ASMCONT1	Contingency factor for deciding whether or not to make all data sets read-only
1012	(3F4)	SIGNED	4	ASMCONT2	Contingency factor for deciding whether or not to begin migrating a particular data set
1016	(3F8)	ADDRESS	4	ASMCVRTP	Address of ILRCVRTP
1020	(3FC)	ADDRESS	4	*	Reserved
1024	(400)	CHARACTER	80	ASMWKSA5	Used by ILRSWAP and SWP01
1104	(450)	ADDRESS	4	ASMRDSNL	Replacement DSNLIST used by PAGEADD and PAGEDEL.
1108	(454)	SIGNED	4	ASMPDACT	Active/queued PAGEDEL count
			Comment		
		The following section contains SRM large job management counts			
			End of Comment		
1112	(458)	UNSIGNED	4	ASMNSWRR	Count of non-swap write requests (AIAs) received by I/O control. This does not include swap that spills to paging data sets, or migration I/O.
1116	(45C)	UNSIGNED	4	ASMNSWRC	Count of non-swap write requests (AIAs) completed and returned to RSM. This does not include swap that spills to paging data sets, or migration I/O.
1120	(460)	CHARACTER	20	ASMWKSA1	Work-save area used by ILRPOS
1140	(474)	UNSIGNED	4	ASMVIOMX	Largest VIO dataset which ASM is prepared to support (i.e. ASM's limit on VIO dataset), this field is in pages and zero-origin. Note: this limitation can be known by DADSM and proper actions can be taken in the allocation time.
1144	(478)	ADDRESS	4	ASMPCMPP	Address of ILRCMPCI, entry point of ILRCMP. AMODE in high order bit.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
1148	(47C)	ADDRESS	4	ASMUPDAC	Address of ILRUPDAC, entry point in ILRFRSLT.
1152	(480)	ADDRESS	4	ASMCTBDV	Address of ILRCTBDV
1156	(484)	ADDRESS	4	ASMVDSN	Address of VIO journaling data set name in the data set name list. This is the list of page/swap data set names built during NIP. When VIO journaling is active, its data set name is added to the data set name list.

Comment

The following section contains page dataset protection data

End of Comment

1160	(488)	BITSTRING	8	ASMIPLTM	Time that first page dataset was processed during IPL - this value must not change for the life of IPL
1168	(490)	CHARACTER	52	ASMLSYSI	System token for last dataset that protection was bypassed for during IPL
1220	(4C4)	SIGNED	4	ASMPPRCT	Count of ILRPPROT retries

Comment

Data related to the input I/O PCCW queue

End of Comment

1224	(4C8)	ADDRESS	4	ASMIPCCW	Queue of PCCWs reserved for input I/O
1228	(4CC)	SIGNED	4	ASM0IPCW	Number of times no PCCWs were available on ASMIPCCW
1232	(4D0)	CHARACTER	48	ASMRSV3	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
1024	(400)	STRUCTURE	80	ASM5WKSV	Mapping of work-save area used by ILRSWAP and SWP01
1024	(400)	CHARACTER	52	ASM5RGSV	Input register save area
1024	(400)	ADDRESS	4	ASM5RG2	Save area for reg 2
1028	(404)	CHARACTER	48	*	Save area for reg 3 to reg 14
1076	(434)	ADDRESS	4	ASM5SR14	Save area for reg 14
1080	(438)	SIGNED	4	ASM5GCTR	Counter for grouping AIAs
1084	(43C)	SIGNED	4	ASM5SWCT	Count of LSQA AIAs to be swapped
1088	(440)	ADDRESS	4	ASM5AIA	Temporary save area for AIA pointer
1092	(444)	BITSTRING	1	ASM5FLGS	Internal flags
1093	(445)	BITSTRING	1	ASM5CHCK	SARTE status check
1094	(446)	SIGNED	2	ASM5NDEX	Index for looping
1096	(448)	ADDRESS	4	ASM5R14S	Secondary procedure save of register 14
1100	(44C)	SIGNED	2	ASM5RC	Return code
1102	(44E)	CHARACTER	2	ASM5RSVD	Reserved

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	1	ASMDOPTS	
		1...		ASMDFULL	Full report requested or defaulted to.
		.1..		ASMDSUMM	Summary report requested
		..1.		ASMDVIOO	VIO report requested
		...1		ASMDPERR	Parse service error
		 1111		*	Reserved

ASMVT Constants

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

ASMVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ASMACEPC	158		ASMGOS	C	
ASMBWKPC	138		ASMGOSQS	98	
ASMCINIT	1E	40	ASMGOSWK	9C	
ASMCINV	8C		ASMGOSWT	98	
ASMCOMDS	1C		ASMIORQC	2C	
ASMCOMMF	0	02	ASMIORQR	28	
ASMCONT1	3F0		ASMIPCCW	4C8	
ASMCONT2	3F4		ASMIPLTM	488	
ASMCPAVL	8		ASMLGVT	84	
ASMCPAVQ	8		ASMLSAI	90	
ASMCPCNT	C		ASMLSAIH	94	
ASMCPEXT	6		ASMLSAIL	90	
ASMCPID	0		ASMLSYSI	490	
ASMCPRES	14		ASMMIGRT	44	
ASMCPRSQ	10		ASMMSGBF	18	
ASMCPSIZ	4		ASMNFVIO	BC	40
ASMCPTAK	10		ASMNOLCL	0	20
ASMCTBDV	480		ASMNOSAV	1	40
ASMCVRTP	3F8		ASMNOTMR	1	20
ASMCVRTV	4C		ASMNOTPT	1	10
ASMDFULL	0	80	ASMNOWM	1	01
ASMDOPTS	0		ASMNPRIM	0	40
ASMDPERR	0	10	ASMNSWRC	45C	
ASMDSECB	20		ASMNSWRR	458	
ASMDSRO	1	80	ASMNVSC	78	
ASMDSTPT	A4		ASMOFFLN	3C	
ASMDSUMM	0	40	ASMPACT	F8	
ASMDVIO	BC	80	ASMPART	8	
ASMDVIOO	0	20	ASMPATOF	38	
ASMEREC	14		ASMPCCWN	48	
ASMERRS	7C		ASMPCCWQ	40	
ASMFLAG1	0		ASMPCMP	F0	
ASMFLAG2	1		ASMPCMPA	EC	
ASMFLAG3	1E		ASMPCMPD	E4	
ASMFRSEP	80		ASMPCMPN	E8	
ASMFRSRB	6C		ASMPCMPP	478	
ASMGLLOK	24		ASMPCMRB	118	

ASMVT Cross Reference

Name	Hex Offset	Hex Value
ASMPDACT	454	
ASMPDAIA	124	
ASMPDCNT	130	
ASMPDECB	128	
ASMPEDRV	CC	
ASMPEX	E0	
ASMPFRLG	100	
ASMPFRSL	C4	
ASMPFRSU	120	
ASMPGDEL	0	10
ASMPGSRB	60	
ASMPIOFR	110	
ASMPLPAF	0	04
ASMPLPAS	0	01
ASMPMSGS	108	
ASMPMSG0	104	
ASMPOOLS	0	
ASMPPRCT	4C4	
ASMPRLG	FC	
ASMPRSRB	11C	
ASMPSAV	F4	
ASMPSRB	58	
ASMPSRBC	D8	
ASMPSRMT	D4	
ASMPTERM	68	
ASMPVACE	114	
ASMPVACQ	10C	
ASMQUICK	1	08
ASMRDSNL	450	
ASMREQCT	A0	
ASMRLGRQ	AC	
ASMRLGWQ	B0	
ASMRSRB	64	
ASMRSV10	136	
ASMRSV2	2	
ASMRSV3	4D0	
ASMRSV5	1F	
ASMRSV8	BC	0F
ASMRSV9	BD	
ASMSAVE	3A0	
ASMSECP	1D	
ASMSLOTS	70	
ASMSPILL	1	02
ASMSTGXA	88	
ASMSWEP	C0	
ASMSWKPC	148	
ASMSWRQC	34	
ASMSWRQR	30	
ASMSWSRB	5C	
ASMTASCB	B4	
ASMTCBPT	A4	
ASMTDVT	4	
ASMTMECB	A8	
ASMTRPAG	10	
ASMTRPLF	BC	20
ASMUPDAC	47C	
ASMVDSN	484	
ASMVIO	BC	
ASMVIOF1	BC	
ASMVIOJ	BC	10
ASMVIOMX	474	
ASMVRMTR	DC	
ASMVSAMW	B8	
ASMVSC	74	
ASMVT	0	
ASMWARM	1	04
ASMWKSAR	260	
ASMWKSA1	460	
ASMWKSA2	170	
ASMWKSA3	210	
ASMWKSA5	400	
ASMWKSA6	300	
ASMWKSA7	350	
ASMWTO5E	1E	80
ASMWTTM1	3E8	
ASMWTTM2	3EC	
ASMXARTE	12C	
ASMXSPCW	132	
ASMXSSCW	134	
ASM0IPCW	4CC	
ASM0PCCW	54	
ASM5AIA	440	
ASM5CHCK	445	
ASM5FLGS	444	
ASM5GCTR	438	
ASM5NDEX	446	
ASM5RC	44C	
ASM5RGSV	400	
ASM5RG2	400	
ASM5RSVD	44E	
ASM5R14S	448	
ASM5SR14	434	
ASM5SWCT	43C	
ASM5WKSV	400	

ASPCT Heading Information

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

ASPCT Map

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

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ASPCT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
44	(2C)	SIGNED	4	ASPLEXCT	Number of LPME extensions built for this ASPCT
48	(30)	ADDRESS	4	ASPASSTP (4294967300:544835424)	Table of 4 pointers to ASST extensions
64	(40)	CHARACTER	6	ASPLPMES (4294967552:544835424)	LPME section
1600	(640)	CHARACTER	0	*	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	1600	ASPEXTSN	
0	(0)	CHARACTER	64	ASPEHDR	Header fields
0	(0)	CHARACTER	4	ASPEIDNT	ASPCT extension identifier. 'ASST' indicates ASST extension, 'ASSX' indicates ASSX extension, 'LPME' indicates LPME extension.
4	(4)	CHARACTER	4	*	Reserved
8	(8)	CHARACTER	12	ASPEXKEY	Full VSAM key for this ASPCT extension
8	(8)	CHARACTER	8	ASPESSYM	Storage locator symbol. This value corresponds to and will be equal to the 'S' symbol in base ASPCT
16	(10)	SIGNED	4	ASPEXTNM	Extension number of this extension
20	(14)	ADDRESS	1	ASPASSTN	ASST extension index for this extension. If extension is an ASST, this number indicates ASSTP entry in base ASPCT containing address of this ASST. If extension is an ASSX extension, this number indicates the ASST containing the address of this ASSX extension. If extension is an LPME extension, this number indicates the ASST containing the address of the ASSX extension containing the address of this LPME extension.
21	(15)	CHARACTER	1	*	Reserved
22	(16)	SIGNED	2	ASPASSXN	ASSX extension index for this extension. This field is not used for ASST extension. For ASSX extension, this number identifies the entry in the ASST identified by ASSTN that contains the pointer to this ASSX extension. For LPME extension, this number identifies the entry in the ASST identified by ASSTN that contains the pointer to the ASSX extension containing the address of this LPME extension.
24	(18)	SIGNED	2	ASPLPMEN	LPME extension index for this extension. This field is not used for ASST or ASSX extension. For LPME extension, this number identifies the entry in the ASSX identified by ASSXN which contains the pointer to this LPME extension.
26	(1A)	CHARACTER	38	*	Reserved
64	(40)	CHARACTER	6	ASPSECTA (4294967552:544840152)	Table of 256 ASST or ASSX entries. Each entry is mapped by the ASPASST or ASPASSX structure declared below.
1600	(640)	CHARACTER	0	*	

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

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

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

ASPCT Constants

Len	Type	Value	Name	Description
2	DECIMAL	256	ASPNLPME	Number LPMEs in base or extension
2	DECIMAL	256	ASPNASSX	Number of ASSX in extension
2	DECIMAL	256	ASPNASST	Number of ASST in extension
2	DECIMAL	4	ASPNASPCT	Number of ASST extensions anchored in the base

ASPCT Cross Reference

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

ASREPL PROGRAMMING INTERFACE INFORMATION

Programming Interface Information

ASREPL

End of Programming Interface Information

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ASREPL Heading Information

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

ASREPL Map

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

ASSB Programming Interface information

Programming Interface information

ASSB

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

- ASSB_SRB_TIME_ON_CP
- ASSB_TASK_TIME_ON_CP
- ASSB_TIME_IFA_ON_CP
- ASSB_TIME_ON_IFA
- ASSB_TIME_ON_zIIP
- ASSB_TIME_zIIP_ON_CP
- ASSBASST
- ASSBDLCB
- ASSBEVST
- ASSBJBNI
- ASSBJBNS
- ASSBMQMA
- ASSBOASB
- ASSBPHTM
- ASSBPHTM_BASE
- ASSBSTKN
- ASSBTASB
- ASSBVAB
- ASSBVFAT

End of Programming Interface information

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ASSB Heading Information

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

ASSB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ASSB	
0	(0)	DBL WORD	8	ASSBEGIN (0)	BEGINNING OF ASSB.
0	(0)	CHARACTER	4	ASSBASSB	ACRONYM IN EBCDIC - ASSB.
4	(4)	SIGNED	4	ASSBVAFN	COUNT OF TASKS IN THE ADDRESS SPACE REQUIRING THE VECTOR FEATURE. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISP LOCK AND CS TO INCREMENT. CS TO DECREMENT.
8	(8)	DBL WORD	8	ASSBEVST	ELAPSED VECTOR USAGE TIME. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
16	(10)	DBL WORD	8	ASSBVFAT	ELAPSED VECTOR AFFINITY TIME. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
24	(18)	BITSTRING	1	ASSBXMF1	CROSS MEMORY FLAGS 1 OWNERSHIP: PC/AUTH SERIALIZATION: PC/AUTH ADDRESS SPACE LOCAL LOCK.
		1...		ASSBXEAX	"X'80'" ADDRESS SPACE OWNS ENTRY TABLES CONTAINING NON-ZERO EAX VALUES
25	(19)	BITSTRING	1	ASSBXMF2	CROSS MEMORY FLAGS 2 OWNERSHIP: PC/AUTH SERIALIZATION: PC/AUTH ADDRESS SPACE LOCAL LOCK.
26	(1A)	SIGNED	2	ASSBXMCC	CROSS MEMORY CONNECTIONS COUNT. NUMBER OF SPACE SWITCHING CONNECTIONS DONE TO THIS SPACE. OWNERSHIP: PC/AUTH SERIALIZATION: PC/AUTH ADDRESS SPACE LOCAL LOCK.
28	(1C)	ADDRESS	4	ASSBCBTP	POINTER TO IHAACBT SERIALIZATION: CMS LOCK
32	(20)	SIGNED	4	ASSBVSC	VIO SLOT ALLOCATED COUNT. OWNERSHIP: ASM. SERIALIZATION: ASM ADDRESS SPACE RELATED CLASS LOCK.
36	(24)	SIGNED	4	ASSBNVSC	NON-VIO SLOT ALLOCATED COUNT. OWNERSHIP: ASM. SERIALIZATION: ASMGL LOCK.
40	(28)	SIGNED	4	ASSBASRR	ADDRESS SPACE RE-READS TO BE REPORTED IN THE TYPE 30 SMF RECORD.
44	(2C)	ADDRESS	4	ASSBDEXP	POINTER TO IHADEXP SERIALIZATION: LOCAL LOCK
48	(30)	DBL WORD	8	ASSBSTKN (0)	STOKEN. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE. GUPI for ASID 1. Not an intended interface for other ASIDs.
48	(30)	SIGNED	4	ASSBSTW1	FIRST WORD OF ASSBSTKN.
		1111		ASSBSTYP	"X'F0'" FIRST 4 BITS REPRESENT STOKEN TYPE INFORMATION. ALWAYS ZERO FOR ADDRESS SPACE STOKENS.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	SIGNED	4	ASSBISQN	INITIAL ADDRESS SPACE SEQUENCE NUMBER.
56	(38)	ADDRESS	4	ASSBBPSA	IBMPM ANCHOR BLOCK. OWNERSHIP: IBM PRESENTATION MANAGER. SERIALIZATION: NONE.
60	(3C)	SIGNED	4	ASSBCSCT	CACHING FACILITY STOP COUNT OWNERSHIP: DFP SERIALIZATION: LOCAL LOCK
64	(40)	ADDRESS	4	ASSBBALV	VIRTUAL ADDRESS OF THE BASIC ACCESS LIST. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
68	(44)	ADDRESS	4	ASSBBALD	BASIC ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE BASIC ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
72	(48)	ADDRESS	4	ASSBXMSE	ADDRESS OF XMSE FOR THIS ADDRESS SPACE
76	(4C)	SIGNED	4	ASSBTSQN	NEXT TTOKEN SEQUENCE NUMBER. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
80	(50)	SIGNED	4	ASSBVCNT	COUNT OF CURRENT TASKS WITH VECTOR AFFINITY. SERIALIZED WITH SRM VIA COMPARE AND SWAP
84	(54)	ADDRESS	4	ASSBPALV	PASN ACCESS LIST VIRTUAL OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
88	(58)	ADDRESS	4	ASSBASEI	ADDRESS OF ADDRESS SPACE RELATED INFORMATION. OWNERSHIP: ADDRESS SPACE SERVICES. SERIALIZATION: NONE.
92	(5C)	ADDRESS	4	ASSBRMA	ADDRESS OF ADDRESS SPACE RELATED RESOURCE MANAGER CONTROL STRUCTURE. OWNERSHIP: RTM. SERIALIZATION: NONE.
96	(60)	DBL WORD	8	ASSBHST	RSM SERVICE TIME FOR HIPERSPACE READ/WRITE. OWNERSHIP: RSM. SERIALIZATION: COMPARE DOUBLE AND SWAP (CDS).
104	(68)	DBL WORD	8	ASSBIIPT	IOS I/O INTERRUPT PROCESSING TIME. OWNERSHIP: IOS. SERIALIZATION: COMPARE DOUBLE AND SWAP (CDS).
112	(70)	SIGNED	4	ASSBANEC	ALESERV ADD WITH NO EAX COUNT. OWNERSHIP: PC/AUTH. SERIALIZATION: COMPARE AND SWAP (CS).
116	(74)	ADDRESS	4	ASSBSDOV	ADDRESS OF SHARED DATA OBJECT MANAGER VECTOR TABLE OWNERSHIP: VLF SERIALIZATION: CS
120	(78)	SIGNED	4	ASSBMCSO	NUMBER OF CONSOLE IDS ACTIVATED BY THIS ADDRESS SPACE. OWNERSHIP: CONSOLE SERVICES. SERIALIZATION: COMPARE AND SWAP.
		1...		ASSBEMCS_ACTIVATED	"X'80'" At least one EMCS console was activated by this address space.
124	(7C)	ADDRESS	4	ASSBDFAS	ADDRESS OF DFP=SMSX STRUCTURE FOR THE ADDRESS SPACE. OWNERSHIP: DFP. SERIALIZATION: NONE.
128	(80)	BITSTRING	4	ASSBFLGS (0)	ASSB FLAGS.
128	(80)	BITSTRING	1	ASSBFLG0	ASSB FLAG BYTE 0. SERIALIZATION: COMPARE AND SWAP.
		1...		ASSBBSDN	"X'80'" BYPASS SVC DUMP NON-DISPATCHABILITY. OWNERSHIP: SDUMP.
		.1..		ASSBCDSI	"X'40'" CDSI Resources Held or signalling resources held. Once set, must stay set. OWNERSHIP: XCF.
		..1.		ASSBPSCH	"X'20'" Parallel Detach SRB scheduled to this address space Ownership: RTM
129	(81)	BITSTRING	1	ASSBFLG1	ASSB FLAG BYTE 1 OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: COMPARE AND SWAP.
		1...		ASSBNTAR	"X'80'" NAME/TOKEN ADDRESS SPACE RESOURCE MANAGER ESTABLISHED.
		.1..		ASSBNTTR	"X'40'" NAME/TOKEN JOB STEP TASK RESOURCE MANAGER ESTABLISHED.
		..1.		ASSBNTSL	"X'20'" JOB STEP HAS CREATED SYSTEM LEVEL NAME/TOKEN PAIRS.
		...1		ASSBFRST	"X'10'" The first pool of SVRBs has been obtained.
130	(82)	BITSTRING	1	ASSBFLG2	ASSB FLAG BYTE 2.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		ASSBENFL	"X'80'" IF ON, INDICATES ADDRESS SPACE ISSUED ENF LISTEN REQUEST. OWNERSHIP: ENF. SERIALIZATION: NONE.
		.1..		ASSBNSWF	"X'40'" If on, indicates IEAVEGR found a WEB on the TAWQ, not marked SWAP. The TCBs in this space must be examined. Ownership: Supervisor Control Serialization: IEAVEGR
		..1.		ASSBPRAN	"X'20'" No longer set - kept for compatibility. Ownership: RTM. Serialization: Local lock.
131	(83)	BITSTRING	1	ASSBFLG3	ASSB FLAG BYTE 3
		1...		ASSBARM	"X'80'" The job or STC running in this address space is registered with the Automatic Restart Manager (ARM). Serialization: Compare and Swap. Ownership: XCF (ARM)
		.1..		ASSBNRST	"X'40'" The Automatic Restart Manager (ARM) should not restart the job or STC running in this address space even if it is registered with ARM. Serialization: Compare and Swap. Ownership: XCF (ARM)
		..1.		ASSBGDPS	"X'20'" If on, indicates this is the Geographically Dispersed Parallel Sysplex (GDPS) service address space. Ownership: GDPS Serialization: Compare and Swap
		...1		ASSBMDIP	"X'10'" If on, indicates that a Memterm dump is in progress. Ownership: RTM Serialization: Compare and Swap
132	(84)	ADDRESS	4	ASSBASCB	ADDRESS OF ASCB.
136	(88)	ADDRESS	4	ASSBASRF	CREATED ASSB FORWARD POINTER.
140	(8C)	ADDRESS	4	ASSBASRB	CREATED ASSB BACKWARD POINTER.
144	(90)	ADDRESS	4	ASSBSSD	ADDRESS OF THE SUSPENDED SRB DESCRIPTOR (SSD) QUEUE. SERIALIZATION: DISPATCHER LOCK. OWNERSHIP: SUPERVISOR CONTROL.
148	(94)	ADDRESS	4	ASSBMQMA	CONTROL BLOCK ANCHOR FOR MQM MVS/ESA. SERIALIZATION: NONE. OWNERSHIP: MQSERIES
152	(98)	DBL WORD	8	ASSBLASB	TOKEN INDICATING IF MVS/APPC RESOURCES ARE ASSOCIATED WITH THIS ADDRESS SPACE. IF 0, THEN NONE ARE ASSOCIATED. OWNERSHIP: MVS/APPC. SERIALIZATION: NONE.
160	(A0)	ADDRESS	4	ASSBSCH	POINTER TO APPC SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: MVS/APPC. SERIALIZATION: NONE.
164	(A4)	SIGNED	4	ASSBFSC	COUNT ACCUMULATED BY IEAMFCNT FOR THIS ADDRESS SPACE. SERIALIZATION: CS.
168	(A8)	ADDRESS	4	ASSBJSAB	ADDRESS OF JOB SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: CONTROLLING JOB SCHEDULER. SERIALIZATION: SEE IAZXJSAB MACRO
172	(AC)	ADDRESS	4	ASSBRCTW	ADDRESS OF RCT's WEB. OWNERSHIP: Supervisor Control. SERIALIZATION: Disablement.
176	(B0)	BITSTRING	8	ASSBR0B0	Reserved.
184	(B8)	ADDRESS	4	ASSBTLMI	ADDRESS OF TAILORED LOCK MANAGER INFORMATION BLOCK. OWNERSHIP: SYSTEM LOCK MANAGER. SERIALIZATION: LOCAL LOCK.
188	(BC)	ADDRESS	4	ASSBSDAS	POINTER TO WORKING STORAGE OBTAINED BY THE DUMP TASK. OWNERSHIP: SVC DUMP. SERIALIZATION: SVC DUMP.
192	(C0)	SIGNED	4	ASSBTPIN	THE COUNT OF UCB PIN REQUESTS ISSUED IN TASK MODE OUTSTANDING FOR THE ADDRESS SPACE. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: IOS.
196	(C4)	SIGNED	4	ASSBSPIN	THE COUNT OF UCB PIN REQUESTS ISSUED IN SRB MODE OUTSTANDING FOR THE ADDRESS SPACE. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: IOS.
200	(C8)	SIGNED	4	ASSBECT1	THE COUNT OF ALLOCATION REQUESTS IN THIS ADDRESS SPACE CURRENTLY BOUND ON EDT NUMBER ONE. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: ALLOCATION.
204	(CC)	SIGNED	4	ASSBECT2	THE COUNT OF ALLOCATION REQUESTS IN THIS ADDRESS SPACE CURRENTLY BOUND ON EDT NUMBER TWO. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: ALLOCATION.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
208	(D0)	SIGNED	4	ASSBMT#	MEMTERM DISABLE COUNT. WHEN NON-ZERO, ONLY DATERR MEMTERMS ARE PROCESSED. SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: RTM
		1...		ASSBMTP	"X'80'" MEMTERM PENDING. TURNED ON WHEN A MEMTERM IS RECEIVED FOR A MEMTERMABLE ADDRESS SPACE. PREVENTS FURTHER DISABLEMENT.
212	(D4)	BITSTRING	4	ASSBDFP	RESERVED FOR USE BY DFP. OWNERSHIP: DFP. SERIALIZATION: LOCAL LOCK.
		1...		ASSBOAM	"X'80'" ADDRESS SPACE IS A USER OF OAM RESOURCES.
216	(D8)	SIGNED	2	ASSBR0D8	Reserved
218	(DA)	SIGNED	2	ASSBSNEW	Count of SASN=NEW connections included in ASCBETCN SERIALIZATION - PC/AUTH Address space Local Lock. OWNERSHIP - XM Services.
220	(DC)	ADDRESS	4	ASSBNTTP	ADDRESS OF ADDRESS SPACE LEVEL NAME/TOKEN HEADER. SERIALIZATION: LOCAL LOCK. OWNERSHIP: SUPERVISOR CONTROL.
224	(E0)	ADDRESS	4	ASSBOECB (0)	ECB WHICH IS WAITED ON BY THE INITIATOR FOR AN OpenMVS EVENT. SERIALIZATION: POST AND WAIT. OWNERSHIP: OpenMVS.
224	(E0)	BITSTRING	1	ASSBOEPC	POST CODE: '81'X=>BPX1EXC '82'X=>BPX1EXI
225	(E1)	BITSTRING	3	ASSBOECD (0)	OpenMVS completion codes.
225	(E1)	BITSTRING	2		Unused.
227	(E3)	BITSTRING	1	ASSBOEES	Exit Status passed on BPX1EXI.
228	(E4)	ADDRESS	4	ASSBOASB	OpenMVS ADDRESS SPACE BLOCK. SERIALIZATION: ENQ MAJOR=SYSZBPX MINOR=PROCESS_INIT. OWNERSHIP: OpenMVS.
232	(E8)	ADDRESS	4	ASSBXSBA	XSB POOL QUEUE. SERIALIZATION: COMPARE-AND-SWAP WHEN RETURNING XSBS. : COMPARE-AND-SWAP AND THE LOCAL LOCK WHEN REMOVING XSBS OWNERSHIP: SUPERVISOR CONTROL.
236	(EC)	ADDRESS	4	ASSBDLCB	Contains the address of the Dynamic LNKLST Control Block (DLCB) mapped by CSVDLCB. Ownership: CSV Serialization: ENQ
240	(F0)	ADDRESS	4	ASSBVAB	ADDRESS OF VSM ADDRESS SPACE BLOCK (VAB), WHICH ANCHORS SOME OF THE VSM CONTROL BLOCKS THAT DESCRIBE COMMON STORAGE. SERIALIZATION: NONE. OWNERSHIP: VIRTUAL STORAGE MANAGER.
244	(F4)	ADDRESS	4	ASSBLMAB	LATCH MANAGER ADDRESS SPACE BLOCK. SERIALIZATION: CMSEQDQ LOCK. OWNERSHIP: GRS.
248	(F8)	BITSTRING	4	ASSBR0F8	Reserved.
252	(FC)	ADDRESS	4	ASSBCTT	CTT field
256	(100)	SIGNED	4	ASSBXRCT	XES REQUEST COUNT SERIALIZATION: COMPARE AND SWAP. OWNERSHIP: XES.
260	(104)	SIGNED	4	ASSBETSC	Enclave TCB Summary Count SERIALIZATION: CS OWNERSHIP: SUPERVISOR CONTROL
264	(108)	ADDRESS	4	ASSBTASB	TCPIP ASSB Extension Ownership: TCPIP Serialization: Compare and Swap when first TCPIP client is initialized in this space.
268	(10C)	SIGNED	4	ASSBTPMA	OWNER: IOS.
272	(110)	SIGNED	4	ASSBROSU	OWNER: IOS.
276	(114)	SIGNED	4	ASSBTPMT	OWNER: IOS.
280	(118)	BITSTRING	4	ASSBSSDT	SSD Trailer
284	(11C)	ADDRESS	4	ASSBTAWQ	ADDRESS OF TASK WEB QUEUE. SERIALIZATION: WEB QUEUE LOCK OWNERSHIP: SUPERVISOR CONTROL
288	(120)	ADDRESS	4	ASSBWCML	ADDRESS OF CML PROMOTION WEB. SERIALIZATION: NONE OWNERSHIP: SUPERVISOR CONTROL
292	(124)	ADDRESS	4	ASSBWS3S	ADDRESS OF ASYNCHRONOUS EXIT WEB. SERIALIZATION: NONE OWNERSHIP: SUPERVISOR CONTROL
296	(128)	ADDRESS	4	ASSBWSSS	ADDRESS OF SUSPENDED STATUS WEB. SERIALIZATION: GLOBAL INTERSECT OWNERSHIP: SUPERVISOR CONTROL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
300	(12C)	ADDRESS	4	ASSBCAPQ	ADDRESS OF FIRST WEB ON THE CAP QUEUE. SERIALIZATION: DISPATCHER ACTIVE AND COMPARE AND SWAP TO ENQUEUE, GLOBAL INTERSECT TO DEQUEUE. OWNERSHIP: SUPERVISOR CONTROL
304	(130)	ADDRESS	4	ASSBPTAR	Pointer used by RTM processing to control task structure terminations. Ownership: RTM2. Serialization: Local lock.
308	(134)	SIGNED	4	ASSBWTCT	When this counter is non-zero, a recovery routine has requested temporary deferral of Parallel Detach trigger detection. Ownership: RTM Serialization: Compare and Swap.
312	(138)	SIGNED	4	ASSBSBCT	XES-owned count of requests with storage binds, incremented in the ASSB of the storage owner. Ownership: XES Serialization: Compare and Swap
316	(13C)	ADDRESS	4	ASSBARBP	ARM (Automatic Restart Manager) Resource Block. Serialization: Local Lock Ownership: XCF (ARM)
320	(140)	ADDRESS	4	ASSBRCTR	ADDRESS OF RCT's RB OWNERSHIP: Region Control Task SERIALIZATION: None
324	(144)	ADDRESS	4	ASSBSCAH	Address of the SCA (SPIE/ESPIE Control Area) chain Ownership: RTM Serialization: Local Lock
328	(148)	BITSTRING	1	ASSBTTFL	Transaction Trace flags. Serialization: None Ownership: Transaction Trace
		1...		ASSBTTRC	"X'80'" Transaction Trace has been used.
329	(149)	BITSTRING	1	ASSBWMF1	WLM flags SERIALIZATION: none
		1...		ASSBWINI	"X'80'" WLM Managed Batch initiator
		.1..		ASSBFSAS	"X'40'" WLM Managed OE Forked/Spawned address space
330	(14A)	SIGNED	2	ASSBPSWC	Preemptable-class SRB short wait count. OWNERSHIP: Supervisor control SERIALIZATION: none
332	(14C)	ADDRESS	4	ASSBIXGA	Pointer to SLC address space related information. Serialization: Local Lock and CMS Lock Ownership: System Logger
336	(150)	DBL WORD	8	ASSBJBNI	Jobname for the Initiated Program that is associated with this Address Space. If 0, then none is associated. OWNERSHIP: Initiator. SERIALIZATION: None.
344	(158)	DBL WORD	8	ASSBJBNS	Jobname for the START/MOUNT/ LOGON that is associated with this Address Space. If 0, then none is associated. OWNERSHIP: Console Services. SERIALIZATION: None.
352	(160)	DBL WORD	8	ASSBASST	Additional SRB Service Time. CPU time is accumulated here for this address space's Preemptable SRBs and for Client Related SRBs for which this address space is the client. Format: TOD Clock Format Ownership: Supervisor Control Serialization: CS
360	(168)	DBL WORD	8	ASSBPHTM	Preemptable-class SRB Time. The CPU time for all types of preemptable SRBs (PSRB, CRSRB, ESRB) executing with this address space as their home space is accumulated here. This value is not used in SMF or SRM calculations. Format: TOD Clock Format Ownership: Supervisor Control Serialization: CS
368	(170)	ADDRESS	4	ASSBCRWQ	Client Related WEB Queue. Address of the first WEB on the queue. WEBs on this queue are client SRBs for which this space is the client. Ownership: Supervisor Control Serialization: AWQ Lock
372	(174)	ADDRESS	4	ASSBSCWQ	Suspended Client related WEB Queue. Address of the first WEB on the queue. WEBs on this queue are suspended client SRBs for which this space is the client. Ownership: Supervisor Control Serialization: AWQ Lock
376	(178)	SIGNED	4	ASSBLCNT	Number of latched operations in progess for System Logger in an address space. Ownership: System Logger Serialization: CS
380	(17C)	SIGNED	4	ASSBACNT	Number of asynchronous requests in progress in System. This infomrmation will be used by TSO during 'Authorized' command processing Ownership: System Logger Serialization: CS
384	(180)	SIGNED	4	ASSBLCPD	CPOOLID of the cpool created by system logger
388	(184)	ADDRESS	4	ASSBPQEL	Queue of outstanding GQSCAN requests for this address space (PQELs). Ownership: GRS Serialization: CMSEQDQ lock
392	(188)	ADDRESS	4	ASSBPVTC	Queue of privately managed contexts for this address space Ownership: Context Services Serialization: Local lock
396	(18C)	SIGNED	4	ASSBCTX (0)	Context Services Word

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
396	(18C)	BITSTRING	1	ASSBCTXF	Context Services flags Ownership: Context Services Serialization: Local lock
		1...		ASSBNCL	"X'80'" There is no limit to the number of private contexts in this space
		.1..		ASSBMSGI	"X'40'" The message to relax the above limit has been issued and rejected
		..1.		ASSBURMX	"X'20'" There is no limit to the number of unauthorized resource managers in this space.
		...1		ASSBURMM	"X'10'" The message to relax the above limit has been issued for this space.
397	(18D)	BITSTRING	3	ASSBCTX2	Reserved context services.
400	(190)	BITSTRING	16	ASSBHALE	Copy of Home ALE
416	(1A0)	ADDRESS	4	ASSBRTLS	Address of RTLSA Ownership: CSV Serialization: Local lock
420	(1A4)	SIGNED	4	ASSBSRSN	Suspend/Resume sequence number Ownership: Supervisor Control Serialization: CS
424	(1A8)	ADDRESS	4	ASSBWLMS	Address of WLM managed server SERIALIZATION: WLMQ lock
428	(1AC)	ADDRESS	4	ASSBBCBA	Address of SOMObjects data structure Ownership: SOMObjects for OS/390 Serialization: CS
432	(1B0)	BITSTRING	4	ASSBCSM	CSM user bitmap Ownership: VTAM
436	(1B4)	SIGNED	4	ASSBPECT	Number of Pause elements allocated by unauthorized programs Ownership: Supervisor Control Serialization: Dispatcher lock
440	(1B8)	ADDRESS	4	ASSBRRSA	RRS data area pointer
444	(1BC)	BITSTRING	2	ASSBOFLG (0)	ASSB USS flags Ownership: USS Serialization: None
444	(1BC)	BITSTRING	1	ASSBOFL0	ASSB USS flag byte 0
		1...		ASSBOMSC	"X'80'" USS address space must remain program controlled.
		.1..		ASSBODWT	"X'40'" USS process awaiting dub.
445	(1BD)	BITSTRING	1	ASSBOFL1	ASSB USS flag byte 1
446	(1BE)	BITSTRING	2	ASSBSCAF	CPU affinity indicator associated with SRM. Serialization: SRM spin lock
448	(1C0)	SIGNED	4	ASSBCTXC	Number of private contexts owned by PKM 8 to 15 resource managers in this space. Ownership: Context Services Serialization: C&S
452	(1C4)	SIGNED	4	ASSBRMCT	Number of PKM 8 to 15 resource managers. Ownership: Registration Services Serialization: C&S
456	(1C8)	ADDRESS	4	ASSBLRBA	License manager resource block
460	(1CC)	ADDRESS	4	ASSBSLFA	Shadow LFT address
464	(1D0)	ADDRESS	4	ASSBASAB	HCAD ASAB queue pointer Ownership: HCAD Serialization: HCAD latch
468	(1D4)	CHARACTER	2	ASSBR1D4	Reserved.
470	(1D6)	SIGNED	1	ASSBTIOP	Tape I/O Priority
471	(1D7)	SIGNED	1	ASSBCSDP	Channel Subsystem I/O Priority. Will be zero if the system does not support channel subsystem priority. Ownership: SRM Serialization: SRM lock
472	(1D8)	BITSTRING	16	ASSB_IFA_TIME_AREA (0)	
472	(1D8)	DBL WORD	8	ASSB_TIME_IFA_ON_CP	
480	(1E0)	DBL WORD	8	ASSB_TIME_ON_IFA	
488	(1E8)	DBL WORD	8	ASSB_TASK_TIME_ON_CP (0)	Time on CP in task mode for this space. Valid only when zAAPs or SUPs are installed
488	(1E8)	DBL WORD	8	ASSB_TIME_ON_CP	Synonym for ASSB_TASK_TIME_ON_CP
496	(1F0)	CHARACTER	5	ASSBMTCI	Memterm component ID. Set only when sdump needs to be taken
501	(1F5)	SIGNED	1	ASSBFLG4	Flags Ownership: LE Serialization: none
		1...		ASSB_AUTHLE	"X'80'" Resources have been allocated.
502	(1F6)	BITSTRING	2	ASSBR1F6	Reserved
504	(1F8)	DBL WORD	8	ASSBPHTM_BASE	Value in ASSBPHTM at the end of the previous jobstep. Serialization: none
512	(200)	CHARACTER	4	ASSBR200	Reserved
516	(204)	SIGNED	4	ASSB_LAA_CPID	Anchor for LAA CPOOL Ownership: LE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
520	(208)	DBL WORD	8	ASSB_IFA_PHTM	IFA-only equivalent of ASSBPHTM
528	(210)	DBL WORD	8	ASSB_ENCT	Enclave time in an address space on a standard CP
536	(218)	DBL WORD	8	ASSB_IFA_ENCT	Enclave IFA time in an address space
544	(220)	DBL WORD	8	ASSB_BASE_PHTM	Base value, set by WLM
552	(228)	DBL WORD	8	ASSB_IFA_BASE_PHTM	Base value, set by WLM
560	(230)	DBL WORD	8	ASSB_BASE_ENCT	Base value, set by WLM
568	(238)	DBL WORD	8	ASSB_IFA_BASE_ENCT	Base value, set by WLM
576	(240)	ADDRESS	4	ASSB_CP_AFFINITY_NODE	WUQ for CP affinity
580	(244)	ADDRESS	4	ASSB_IFA_AFFINITY_NODE	WUQ for IFA affinity
584	(248)	ADDRESS	4	ASSB_ZIIP_AFFINITY_NODE (0)	WUQ for zIIP affinity
584	(248)	ADDRESS	4	ASSB_SUP_AFFINITY_NODE	
588	(24C)	SIGNED	4	ASSBR24C	Reserved
592	(250)	DBL WORD	8	ASSB_TIME_ON_ZIIP (0)	zIIP time. Enclave time not included
592	(250)	DBL WORD	8	ASSB_TIME_ON_SUP	
600	(258)	DBL WORD	8	ASSB_TIME_ZIIP_ON_CP (0)	zIIP time on CP. Enclave time not included
600	(258)	DBL WORD	8	ASSB_TIME_SUP_ON_CP	
608	(260)	DBL WORD	8	ASSB_ZIIP_PHTM (0)	zIIP-only equivalent of ASSBPHTM
608	(260)	DBL WORD	8	ASSB_SUP_PHTM	
616	(268)	DBL WORD	8	ASSB_SRB_TIME_ON_CP	Time on CP in SRB mode for this space. Valid only when zAAPs or SUPs are installed
624	(270)	DBL WORD	8	ASSB_ZIIP_ENCT (0)	Enclave zIIP time in an address
624	(270)	DBL WORD	8	ASSB_SUP_ENCT	

Comment

space

End of Comment

632	(278)	CHARACTER	8	ASSBR278	Reserved
640	(280)	ADDRESS	4	ASSBSOWN	Address of the Suspended SRB Descriptor (SSD) static queue. Serialization: Dispatcher Lock. Ownership: Supervisor Control.
644	(284)	ADDRESS	4	ASSBSOWT	SSD Static Ownership queue trailer.
648	(288)	CHARACTER	24	ASSBR288	Reserved
672	(2A0)	DBL WORD	8	ASSBEND (0)	END OF ASSB.

ASSB Cross Reference

Name	Hex Offset	Hex Value
ASSB	0	
ASSB_AUTHLE	1F5	80
ASSB_BASE_ENCT	230	
ASSB_BASE_PHTM	220	
ASSB_CP_AFFINITY_NODE	240	
ASSB_ENCT	210	
ASSB_IFA_AFFINITY_NODE	244	
ASSB_IFA_BASE_ENCT	238	
ASSB_IFA_BASE_PHTM	228	
ASSB_IFA_ENCT	218	
ASSB_IFA_PHTM	208	
ASSB_IFA_TIME_AREA	1D8	
ASSB_LAA_CPID	204	
ASSB_SRB_TIME_ON_CP	268	
ASSB_SUP_AFFINITY_NODE	248	
ASSB_SUP_ENCT	270	
ASSB_SUP_PHTM	260	
ASSB_TASK_TIME_ON_CP	1E8	
ASSB_TIME_IFA_ON_CP	1D8	
ASSB_TIME_ON_CP	1E8	
ASSB_TIME_ON_IFA	1E0	
ASSB_TIME_ON_SUP	250	
ASSB_TIME_ON_ZIIP	250	
ASSB_TIME_SUP_ON_CP	258	
ASSB_TIME_ZIIP_ON_CP	258	
ASSB_ZIIP_AFFINITY_NODE	248	
ASSB_ZIIP_ENCT	270	
ASSB_ZIIP_PHTM	260	
ASSBACNT	17C	
ASSBANEC	70	
ASSBARBP	13C	
ASSBARM	83	80
ASSBASAB	1D0	
ASSBASCB	84	
ASSBASEI	58	
ASSBASRB	8C	
ASSBASRF	88	
ASSBASRR	28	
ASSBASSB	0	
ASSBASST	160	
ASSBBALD	44	
ASSBBALV	40	
ASSBBCBA	1AC	
ASSBBPSA	38	
ASSBBSDN	80	80
ASSBCAPQ	12C	
ASSBCBTP	1C	
ASSBCDSI	80	40
ASSBCRWQ	170	
ASSBCSCT	3C	
ASSBCSDP	1D7	
ASSBCSM	1B0	
ASSBCTT	FC	
ASSBCTX	18C	
ASSBCTXC	1C0	
ASSBCTXF	18C	
ASSBCTX2	18D	
ASSBDEXP	2C	
ASSBDFAS	7C	
ASSBDFP	D4	
ASSBDLCB	EC	
ASSBECT1	C8	
ASSBECT2	CC	
ASSBEGIN	0	
ASSBEMCS_ACTIVATED	78	80
ASSBEND	2A0	
ASSBENFL	82	80
ASSBETSC	104	
ASSBEVST	8	
ASSBFLGS	80	
ASSBFLG0	80	
ASSBFLG1	81	
ASSBFLG2	82	
ASSBFLG3	83	
ASSBFLG4	1F5	
ASSBFRST	81	10
ASSBFSAS	149	40
ASSBFSC	A4	
ASSBGDPS	83	20
ASSBHALE	190	
ASSBHST	60	
ASSBIIPT	68	
ASSBISQN	34	
ASSBIXGA	14C	
ASSBJBNI	150	
ASSBJBNS	158	
ASSBJSAB	A8	
ASSBLASB	98	
ASSBLCNT	178	
ASSBLCPD	180	
ASSBLMAB	F4	
ASSBLRBA	1C8	
ASSBMCSO	78	
ASSBMDIP	83	10
ASSBMQMA	94	
ASSBMSGI	18C	40
ASSBMT#	D0	
ASSBMTCI	1F0	
ASSBMTP	D0	80
ASSBNCL	18C	80

ASSB Cross Reference

Name	Hex Offset	Hex Value
ASSBNRST	83	40
ASSBNSWF	82	40
ASSBNTAR	81	80
ASSBNTSL	81	20
ASSBNTTP	DC	
ASSBNTTR	81	40
ASSBNVSC	24	
ASSBOAM	D4	80
ASSBOASB	E4	
ASSBODWT	1BC	40
ASSBOECB	E0	
ASSBOECD	E1	
ASSBOEES	E3	
ASSBOEPC	E0	
ASSBOFLG	1BC	
ASSBOFL0	1BC	
ASSBOFL1	1BD	
ASSBOMSC	1BC	80
ASSBPALV	54	
ASSBPECT	1B4	
ASSBPHTM	168	
ASSBPHTM_BASE	1F8	
ASSBPQEL	184	
ASSBPRAN	82	20
ASSBPSCH	80	20
ASSBPSWC	14A	
ASSBPTAR	130	
ASSBPVTC	188	
ASSBRCTR	140	
ASSBRCTW	AC	
ASSBRMA	5C	
ASSBRMCT	1C4	
ASSBROSU	110	
ASSBRRSA	1B8	
ASSBRTLS	1A0	
ASSBR0B0	B0	
ASSBR0D8	D8	
ASSBR0F8	F8	
ASSBR1D4	1D4	
ASSBR1F6	1F6	
ASSBR200	200	
ASSBR24C	24C	
ASSBR278	278	
ASSBR288	288	
ASSBSBCT	138	
ASSBSCAF	1BE	
ASSBSCAH	144	
ASSBSCH	A0	
ASSBSCWQ	174	
ASSBSDAS	BC	
ASSBSDOV	74	
ASSBSLFA	1CC	
ASSBSNEW	DA	
ASSBSOWN	280	
ASSBSOWT	284	
ASSBSPIN	C4	
ASSBSRSN	1A4	
ASSBSSD	90	
ASSBSSDT	118	
ASSBSTKN	30	
ASSBSTW1	30	
ASSBSTYP	30	F0
ASSBTASB	108	
ASSBTAWQ	11C	
ASSBTIOP	1D6	
ASSBTLMI	B8	
ASSBTPIN	C0	
ASSBTPMA	10C	
ASSBTPMT	114	
ASSBTSQN	4C	
ASSBTTFL	148	
ASSBTTRC	148	80
ASSBURMM	18C	10
ASSBURMX	18C	20
ASSBVAB	F0	
ASSBVAFN	4	
ASSBVCNT	50	
ASSBVFAT	10	
ASSBVSC	20	
ASSBWCML	120	
ASSBWINI	149	80
ASSBWLMS	1A8	
ASSBWMF1	149	
ASSBWSSS	128	
ASSBWS3S	124	
ASSBWTCT	134	
ASSBXEAX	18	80
ASSBXMCC	1A	
ASSBXMF1	18	
ASSBXMF2	19	
ASSBXMSE	48	
ASSBXRCT	100	
ASSBXSBA	E8	

ASTE Heading Information

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

ASTE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	64	ASTE	ADDRESS SPACE SECOND TABLE ENTRY.
0	(0)	ADDRESS	4	ASTEATO	AUTHORIZATION TABLE ORIGIN. CONTAINS REAL ADDRESS OF THE AT FOR THIS ADDRESS SPACE. BITS 1-29 OF ASTEATO, WITH TWO LOW ORDER ZEROS APPENDED, FORM THE AUTHORIZATION TABLE REAL ADDRESS. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK AND CS
		1...		ASTEICMA	INVALID CROSS MEMORY ACCESS INDICATOR. IF 1, THE ADDRESS SPACE ASSOCIATED WITH THIS ASTE IS NOT AVAILABLE FOR CROSS MEMORY FUNCTIONS.
4	(4)	UNSIGNED	2	ASTEAX	AUTHORIZATION INDEX. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.
6	(6)	UNSIGNED	2	ASTEATL	AUTHORIZATION TABLE LENGTH. BITS 0-11 CONTAIN THE NUMBER OF WORDS, MINUS ONE, IN THE AT. BITS 12-15 ARE ZERO. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.
8	(8)	BITSTRING	4	ASTESTD	SEGMENT TABLE DESIGNATOR. SEGMENT TABLE ADDRESS AND LENGTH IN FORMAT OF CONTROL REGISTERS 1 AND 7. SERIALIZED BY CS.
8	(8)	ADDRESS	4	ASTESTA	SEGMENT TABLE ADDRESS. BITS 1-19 OF THE STD, WITH 12 ZEROS APPENDED, FORM THE 31 BIT REAL ADDRESS OF THE SEGMENT TABLE.
8	(8)	BITSTRING	1	ASTESSBT	BYTE 0 OF THE STD CONTAINING SPACE SWITCH EVENT BIT.@G860PXH
		1...		ASTESSEM	SPACE SWITCH EVENT MASK. IF 1, A PROGRAM INTERRUPT WILL BE PRESENTED ON COMPLETION OF A PC OR PT THAT CAUSES A SPACE SWITCH.
9	(9)	BITSTRING	2	*	BYTES 1 AND 2 OF THE STD.
11	(B)	BITSTRING	1	ASTESTL	SEGMENT TABLE LENGTH (IN BITS 25-31), MINUS ONE, IN UNITS OF 64 BYTES.
		1...		ASTESAEM	STORAGE ALTERATION EVENT MASK. IF ON, A STORAGE ALTERATION PER EVENT CAN OCCUR WITHIN THE DESIGNATED SPACE. SERIALIZED BY COMPARE AND SWAP.

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	ADDRESS	4	ASTELTD	LINKAGE TABLE DESIGNATOR. BITS 1-24, WITH SEVEN LOW ORDER ZEROS APPENDED, FORM THE LINKAGE TABLE REAL ADDRESS. BITS 25-31 CONTAIN THE NUMBER OF 128 BYTE EXTENTS, MINUS ONE, IN THE LINKAGE TABLE. SERIALIZED BY THE PC/AUTH ADDRESS SPACE LOCAL LOCK.
		1...		ASTELTV	LINKAGE TABLE VALID FLAG. IF 1, LT IS VALID, IF 0, LT IS INVALID.
16	(10)	ADDRESS	4	ASTEPALD	PASN ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE PASN ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE.
20	(14)	UNSIGNED	4	ASTESQN	ASTE SEQUENCE NUMBER. (UNSIGNED)
24	(18)	CHARACTER	4	ASTER018	RESERVED FOR PROGRAMMING USE.
28	(1C)	ADDRESS	4	ASTEPROG	ASTE PROGRAMMING WORD IF ADDRESS SPACE - CONTAINS ASCB ADDRESS.
		1111		ASTETYPE	ASTEPROG TYPE INFORMATION: '0000'B - ADDRESS SPACE ASTE '1000'B - DATA SPACE ASTE '0100'B - SUBSPACE ASTE
32	(20)	CHARACTER	32	ASTER020	RESERVED.
64	(40)	CHARACTER	0	ASTEEND	END OF ASTE.

ASTE Constants

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

ASTE Cross Reference

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

ASVT Programming Interface information

Programming Interface information

ASVT

End of Programming Interface information

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ASVT Heading Information

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

ASVT Map

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		ASVTAVAL	"X'80'" - BIT ONE IF ASID IS AVAILABLE AND ZERO IF ASID IS ASSIGNED
528	(210)	X'214'	0	ASVTEND	"*" - END OF ASVT MDC003
528	(210)	X'214'	0	ASVTLEN	"ASVTEND-ASVT" - LENGTH OF ASVT INCLUDING RESERVED FIELDS MDC004
528	(210)	X'3C'	0	ASVTULEN	"ASVTEND-ASVTBEGN" - LENGTH OF USED FIELDS IN ASVT MDC005

ASVT Cross Reference

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

ASWA Heading Information

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

ASWA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	88	ASWA	ALOC STAE WORK AREA
0	(0)	CHARACTER	4	ASWAID	EBCDIC ID OF 'ASWA'
4	(4)	CHARACTER	8	ASWACSCT	EBCDIC NAME OF REC RTN TO GET CONTROL FOR THIS WORK AREA
12	(C)	ADDRESS	4	ASWARTNP	ADDRESS OF ABOVE CSECT
16	(10)	ADDRESS	4	ASWAPRMS	PTR TO PARMS IT SHOULD GET
20	(14)	ADDRESS	4	ASWASCBP	PTR TO STAE CONTROL BLOCK FOR ESTAE IN EFFECT WHEN THIS ASWA WAS BUILT
24	(18)	ADDRESS	4	ASWAOLDP	PTR TO LAST ASWA FOR A PRIOR ALLOC ESTAE - IF ANY
28	(1C)	CHARACTER	4	ASWAFLGS	FLAGS FOR SPECIAL PROCESSING
28	(1C)	BITSTRING	1	ASWADSWS	SPECIAL CHECKS FOR SDUMP
		1...		ASWADYNF	CHECK SVC99 FRR PERCOLATION
		.1..		ASWACOMF	CHECK COMMON FRR PERCOLATION
		..1.		ASWAVMVF	CHECK VM&V FRR PERCOLATION
		...1		ASWADYUE	CHECK DYNAMIC USER ERROR
		.... 1...		ASWANOCH	THIS ASWA NOT CHAINED TO JSCB PROCESS THIS ONE ESTAE EXIT ONLY
		.... .1..		ASWABND	CHECK IF EDT IS BOUND
		.... ..1.		*	Reserved (formerly ASWAALLO)
		1		*	RESERVED 3@01D
29	(1D)	BITSTRING	3	*	RESERVED
32	(20)	ADDRESS	4	ASWAAUTO	PTR TO AUTO DATA FOR COMMON ESTAE EXIT- 1ST ASWA ONLY
36	(24)	ADDRESS	4	ASWACHNP	PTR TO PRECEDING ASWA ON CHAIN
40	(28)	ADDRESS	4	ASWAMSGP	Pointer to the DOM message IDs
44	(2C)	CHARACTER	8	ASWAFCST	NAME OF FAILING CSECT OR FIRST CSECT IN FAILING SUBCOMP
52	(34)	CHARACTER	16	ASWAMLVL	PTF AND PRODUCT INFORMATION ON 'ASWAFCST'
52	(34)	CHARACTER	8	ASWADATE	COMPILE DATE

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
60	(3C)	CHARACTER	8	ASWAPTF	PTF OR PRODUCT LEVEL
68	(44)	ADDRESS	4	ASWAFTPT	POINT TO FOOTPRINT AREA
72	(48)	ADDRESS	4	ASWAEDTP	POINTER TO THE EDT
76	(4C)	ADDRESS	4	ASWAGBUF	GSPACE Buffer
80	(50)	SIGNED	4	ASWAGLEN	GSPACE Length
84	(54)	CHARACTER	4	*	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	32	ASWRECPM	RECOVERY PARAMETERS
0	(0)	CHARACTER	1	*	
		1...		ASWABEND	RECOVERY WAS NEEDED
		.111 1111		*	RESERVED
1	(1)	CHARACTER	3	*	RESERVED
4	(4)	ADDRESS	4	ASWSAPRM	ADDRESS OF OPTIONAL COMMON ALLOCATION ESTAE EXIT PARAMETER BLOCK
8	(8)	CHARACTER	2	*	RESERVED
10	(A)	CHARACTER	22	ASWRUB	ASWA REGISTER UPDATE BLOCK
10	(A)	CHARACTER	2	ASWMASK	MASK VALUE FOR RUB
12	(C)	ADDRESS	4	ASWREG1	FIRST REGISTER IN RUB
16	(10)	ADDRESS	4	ASWREG2	SECOND REGISTER IN RUB
20	(14)	ADDRESS	4	ASWREG3	THIRD REGISTER IN RUB
24	(18)	ADDRESS	4	ASWREG4	FOURTH REGISTER IN RUB
28	(1C)	ADDRESS	4	ASWREG5	Fifth register in rub

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	STRUCTURE	8	ASWACOMM	COMMON ALLOCATION FOOTPRINT AREA
		1...		ASWASECC	CALL TO SECURITY SYSTEM
		.1..		ASWASECR	RETURN FROM SECURITY SYSTEM
		..1.		ASWAVENQ	Volume ENQ user exit
		...1		ASWAOFFL	Offline device user exit
		.... 1...		ASWASPEC	Specific wait user exit

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

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

ASWA Cross Reference

Name	Hex Offset	Hex Value
ASWA	0	
ASWAAUTO	20	
ASWABEND	0	80
ASWABND	1C	04
ASWACHNP	24	
ASWACOMF	1C	40
ASWACOMM	4	
ASWACSCT	4	
ASWADATE	34	
ASWADMSS	4	
ASWADSWS	1C	
ASWADYNF	1C	80
ASWADYUE	1C	10
ASWAEAMS	8	
ASWAEDTP	48	
ASWAFCST	2C	
ASWAFLEN	0	
ASWAFLGS	1C	
ASWAFOOT	0	
ASWAFPNT	4	
ASWAFTPT	44	
ASWAGBUF	4C	
ASWAGLEN	50	
ASWAID	0	
ASWAMLVL	34	
ASWAMSCT	0	
ASWAMSGP	28	
ASWAMSGS	0	
ASWAMSID	4	
ASWANOCH	1C	08
ASWAOFFL	4	10
ASWAOLDP	18	
ASWAPRMS	10	
ASWAPTF	3C	
ASWARTNP	C	
ASWASCBP	14	
ASWASECC	4	80
ASWASECR	4	40
ASWASPEC	4	08
ASWAVENQ	4	20
ASWAVMNT	4	80
ASWAVMV	4	
ASWAVMVF	1C	20
ASWMASK	A	
ASWRECPM	0	
ASWREG1	C	
ASWREG2	10	
ASWREG3	14	
ASWREG4	18	
ASWREG5	1C	
ASWRUB	A	
ASWSAPRM	4	

ASXB Programming Interface information

Programming Interface information

ASXB

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

- ASXBFTCB
- ASXBITCB
- ASXBLTCB
- ASXBLWA
- ASXBSENV
- ASXBUSER
- ASXBUSR8

End of Programming Interface information

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ASXB Heading Information

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

ASXB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ASXB	ADDRESS SPACE EXTENSION BLOCK
0	(0)	DBL WORD	8	ASXBEGIN (0)	- BEGINNING OF ASXB
0	(0)	CHARACTER	4	ASXBASXB	- ACRONYM IN EBCDIC -ASXB-
4	(4)	ADDRESS	4	ASXBFTCB	- POINTER TO FIRST TCB ON TCB QUEUE
8	(8)	ADDRESS	4	ASXBLTCB	- POINTER TO LAST TCB ON TCB QUEUE
12	(C)	SIGNED	2	ASXBTCBS	- NUMBER TCB'S IN THE MEMORY
14	(E)	BITSTRING	1	ASXBFLG1	- Flags
		1...		ASXBHCRM	"X'80'" - Health Check AS resmgr set
15	(F)	BITSTRING	1	ASXBSCHD	- SCHEDULER FLAG BYTE
		1...		ASXBSWUP	"X'80'" - INDICATES THAT SWA SHOULD BE WRITTEN ABOVE THE LINE FOR THIS ADDRESS SPACE
16	(10)	ADDRESS	4	ASXBMPST	- ADDRESS OF VTAM MEMORY PROCESS SCHEDULING TABLE MDC015
20	(14)	ADDRESS	4	ASXBLWA	- ADDRESS OF LWA MDC016
24	(18)	ADDRESS	4	ASXBVFVT	- POINTER TO INTERNAL VIRTUAL FETCH VECTOR TABLE. OWNERSHIP - VIRTUAL FETCH. SERIALIZATION - LOCAL LOCK.
28	(1C)	ADDRESS	4	ASXBSAF	- ROUTER RRCB ADDRESS
32	(20)	ADDRESS	4	ASXBIHSA	- POINTER TO INTERRUPT HANDLERS SAVE AREA FOR LOCALLY LOCKED INTERRUPTS
36	(24)	SIGNED	4	ASXBFLSA (18)	- SAVE AREA FOR ANY FIRST LEVEL BRANCH ENTRY (MUST BE FIRST USER AFTER LOCAL LOCK IS OBTAINED)
108	(6C)	ADDRESS	4	ASXBOMCB	- POINTER TO OBJECT ACCESS METHOD CONTROL BLOCK
112	(70)	ADDRESS	4	ASXBSPSA	- POINTER TO LOCAL WORK/SAVE AREA VECTOR TABLE
116	(74)	ADDRESS	4	ASXBRSMD	- POINTER TO LOCAL RSM DATA AREA
120	(78)	ADDRESS	4	ASXBRCTD	- POINTER TO LOCAL RCT DATA AREA
124	(7C)	ADDRESS	4	ASXBDECB	- DUMP TASK ECB
128	(80)	ADDRESS	4	ASXBOUSB	- POINTER TO SYSTEM RESOURCES MANAGER (SRM) USER SWAPPABLE BLOCK MDC004
132	(84)	ADDRESS	4	ASXBCRWK	- CHECKPOINT/RESTART WORKAREA POINTER. OWNERSHIP - CHECKPOINT/RESTART. SERIALIZATION - NA.
136	(88)	CHARACTER	16	ASXBPRG	- SVC PURGE I/O PARAMETER LIST MDC003
152	(98)	CHARACTER	8	ASXBPSWD	- USER'S LOGON PASSWORD. IF BLANK, NOT REQUIRED MDC005
160	(A0)	ADDRESS	4	ASXBSIRB	- ADDRESS OF SIRB FOR THIS ADDRESS SPACE MDC010

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
164	(A4)	ADDRESS	4	ASXBETSK	- ADDRESS OF ERROR TASK FOR THIS ADDRESS SPACE MDC011
168	(A8)	CHARACTER	24	ASXBAEQ (0)	- QUEUE ANCHORS FOR EXIT EFFECTOR'S ASYNCHRONOUS EXIT QUEUES MDC012
168	(A8)	ADDRESS	4	ASXBFIQE	- POINTER TO FIRST IQE MDC006
172	(AC)	ADDRESS	4	ASXBLIQE	- POINTER TO LAST IQE MDC007
176	(B0)	ADDRESS	4	ASXBFRQE	- POINTER TO FIRST RQE MDC008
180	(B4)	ADDRESS	4	ASXBLRQE	- POINTER TO LAST RQE MDC009
184	(B8)	ADDRESS	4	ASXBFSRB	- ADDRESS OF FIRST SRB MDC013
188	(BC)	ADDRESS	4	ASXBLSRB	- ADDRESS OF LAST SRB MDC014
192	(C0)	CHARACTER	8	ASXBUSR8 (0)	8-byte version of ASXBUSER
192	(C0)	CHARACTER	7	ASXBUSER	- USER ID FOR WHICH THE JOB OR SESSION IS BEING EXECUTED (MDC306)
199	(C7)	BITSTRING	1		- Last byte of ASXBUSR8. ASXBSECR and ASXBSFLG are deleted
200	(C8)	ADDRESS	4	ASXBSENV	- ADDRESS OF ACCESS CONTROL ENVIRONMENT ELEMENT (MDC304)
204	(CC)	ADDRESS	4	ASXBSFRS	Address of SSI function request storage. Ownership: SSI Serialization: CS
208	(D0)	DBL WORD	8	ASXBNSDW (0)	DOUBLEWORD CONTAINING THE NSSA POOL AND SYNCHRONIZATION COUNT.
208	(D0)	ADDRESS	4	ASXBNSSA	NSSA POOL.
212	(D4)	SIGNED	4	ASXBNSCT	COUNT USED TO SYNCHRONIZE THE NSSA POOL.
216	(D8)	SIGNED	4	ASXBCASW (0)	- USED BY REGION CONTROL TASK (RCT)/CANCEL VIA CS INSTRUCTION (MDC313)
216	(D8)	BITSTRING	1	ASXBCRB1	- CANCEL/RCT BYTE 1 (MDC314)
		1...		ASXBPIP	"X'80'" - SET BY RCT TO INDICATE PURGE (SVC 16) IS IN PROCESS (MDC315)
		.1..		ASXBTFD	"X'40'" - SET BY CANCEL TO INDICATE THAT ALL SUBTASKS OF THE RCT HAVE BEEN SET DISPATCHABLE VIA STATUS (MDC316)
217	(D9)	BITSTRING	1	ASXBCRB2	- CANCEL/RCT BYTE 2 (MDC317)
218	(DA)	BITSTRING	1	ASXBCRB3	- CANCEL/RCT BYTE 3 (MDC318)
219	(DB)	BITSTRING	1	ASXBCRB4	- CANCEL/RCT BYTE 4 (MDC319)
220	(DC)	ADDRESS	4	ASXBPT0E	- POST EXIT QUEUE HEADER (MDC312)
224	(E0)	ADDRESS	4	ASXBCAPC	- Count of task mode UCB capture requests Ownership: IOS Serialization: Local Latch (Local Lock during NIP)
228	(E4)	ADDRESS	4	ASXBJSVT	- JES COMMUNICATION AREA POINTER. OWNERSHIP - JES2/3.
232	(E8)	ADDRESS	4	ASXBDIVW	- ADDRESS OF THE DIV WORK/SAVE AREA, OR ZERO IF NONE EXISTS
236	(EC)	ADDRESS	4	ASXBCAPT	- Pointer to IOS captured UCB object. Ownership: IOS Serialization: Local Latch (Local Lock during NIP)
240	(F0)	ADDRESS	4	ASXBLINF	- Latch information area Ownership: GRS Latch Serialization: LOCAL lock
244	(F4)	ADDRESS	4	ASXBPIRL	Pointer to queue of PIRLs. Ownership: IOS Serialization: local lock.
248	(F8)	ADDRESS	4	ASXBITCB	- Initial jobstep TCB address attached by initiator (IEFSD263) or 0 when no job is running. This field is valid for any address space that goes through full-function start.
252	(FC)	SIGNED	4	ASXBR0FC	- RESERVED
256	(100)	ADDRESS	4	ASXBGRSP	- Address of GRS control information for this address space. Ownership: GRS Serialization: CS
260	(104)	SIGNED	4	ASXBR104	- Reserved
264	(108)	DBL WORD	8	ASXBALEC	AuthorizedLE Anchor Ownership: LE
272	(110)	DBL WORD	8	ASXBIFAR (0)	Range
272	(110)	ADDRESS	4	ASXBFXRS	Range Start
276	(114)	ADDRESS	4	ASXBFXRE	Range End
280	(118)	ADDRESS	4	ASXBEXTA	Local exits
284	(11C)	SIGNED	4	ASXBR11C	Reserved
288	(120)	DBL WORD	8	ASXBEND (0)	- END OF ASXB

ASXB Cross Reference

Name	Hex Offset	Hex Value
ASXB	0	
ASXBAEQ	A8	
ASXBALEC	108	
ASXBASXB	0	
ASXBCAPC	E0	
ASXBCAPT	EC	
ASXBCASW	D8	
ASXBCRB1	D8	
ASXBCRB2	D9	
ASXBCRB3	DA	
ASXBCRB4	DB	
ASXBCRWK	84	
ASXBDECB	7C	
ASXBDIVW	E8	
ASXBEGIN	0	
ASXBEND	120	
ASXBETSK	A4	
ASXBEXTA	118	
ASXBFIQE	A8	
ASXBFLG1	E	
ASXBFLSA	24	
ASXBFRQE	B0	
ASXBFSRB	B8	
ASXBFTCB	4	
ASXBFXRE	114	
ASXBFXRS	110	
ASXBGRSP	100	
ASXBHCRM	E	80
ASXBIFAR	110	
ASXBIHSA	20	
ASXBITCB	F8	
ASXBJSVT	E4	
ASXBLINF	F0	
ASXBLIQE	AC	
ASXBLRQE	B4	
ASXBLSRB	BC	
ASXBLTCB	8	
ASXBLWA	14	
ASXBMPST	10	
ASXBNSCT	D4	
ASXBNSDW	D0	
ASXBNSSA	D0	
ASXBOMCB	6C	
ASXBOUSB	80	
ASXBPIP	D8	80
ASXBPIRL	F4	
ASXBPRG	88	
ASXBPSWD	98	
ASXBPT0E	DC	
ASXBRCTD	78	
ASXBRSMD	74	
ASXBR0FC	FC	
ASXBR104	104	
ASXBR11C	11C	
ASXBSAF	1C	
ASXBSCHD	F	
ASXBSENV	C8	
ASXBSFRS	CC	
ASXBSIRB	A0	
ASXBSPSA	70	
ASXBSWUP	F	80
ASXBTCBS	C	
ASXBTFD	D8	40
ASXBUSER	C0	
ASXBUSR8	C0	
ASXBVFVT	18	

ATA Heading Information

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

ATA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	24	ATA	ASM Tracking Area
0	(0)	UNSIGNED	1	ATAMODID	ID of module establishing recovery routine
1	(1)	BITSTRING	3	ATASFLGS	Bit map representing logical sections of ASM routines, set to 1 on entry, set to 0 on exit
		1...		ATAIOPPR	ILRIODRV PROCPARE subroutine
		.1..		ATASLSQA	ILRSLSQA flag
		..1.		ATASCOMP	SWAPCOMP flag
		...1		ATAVIOCM	ILRVIOCM flag
		.... 1...		ATAPCOMP	PAGECOMP flag
		.... .1..		ATAPOS	ILRPOS flag
		.... ..1.		ATAIOBSL	ILRIODRV BLOCKSEL subroutine
		1		ATAPAGCM	ILRPAGCM flag
2	(2)	1...		ATASWAP	ILRSWAP flag
		.1..		ATATRPAG	ILRTRPAG flag
		..1.		ATASWPDR	ILRSWPDR flag
		...1		ATACPBLD	ILRCPBLD flag
		.... 1...		ATAIOSSL	ILRIODRV SLOTSEL subroutine
		.... .1..		ATAIOSCM	ILRIODRV STARTCOM subroutine
		.... ..1.		ATAIOMXA	ILRIODRV MIXAIA subroutine
		1		ATAASPCT	ILRVIOCM in process of ASPCT update
3	(3)	1...		ATAPDCNV	LSID conversion routine processing
		.1..		ATA_MIGRATE_IO_COMP	MIGRATE_IO_COMP routine of ILRPAGCM in control
		..11 1111		ATARSV1	Reserved
4	(4)	BITSTRING	2	ATARFLGS	Other recovery flags
		1...		ATASGNST	ILRSLSQA flag - in ASIGNSET subroutine
		.1..		ATASCCWP	ILRSLSQA flag - in SCCWPROC subroutine
		..1.		ATABADPK	ILRCMPAE flag - in BADPACK routine
		...1		ATAPGVIO	VIO flag. 1 = Last PARTE processed accepted VIO data 0 = Last PARTE processed did not accept VIO data

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ATA Constants

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... 1...		ATACPULK	CPU lock flag - used by ILRCMP. 1 = CPU lock obtained 0 = CPU lock not obtained
4	(4)	BITSTRING	1	ATARSV2	Reserved
6	(6)	BITSTRING	1	ATARCRSN	Recursion flags
		1...		ATARCRF1	Recursion flag - Function 1
		.1..		ATARCRF2	Recursion flag - Function 2
		..1.		ATARCRF3	Recursion flag - Function 3
		...1		ATARCRF4	Recursion flag - Function 4
		.... 1...		ATARCRF5	Recursion flag - Function 5
		.... .1..		ATARCRF6	Recursion flag - Function 6
		.... ..1.		ATARCRF7	Recursion flag - Function 7
		1		ATARCRF8	Recursion flag - Function 8
7	(7)	UNSIGNED	1	ATARCODE	Reason code for ASM-issued abends
8	(8)	CHARACTER	16	ATACLEAR	Definition allowing next 4 words to be cleared
8	(8)	ADDRESS	4	ATAIOSB	Address of in-process IOSB
12	(C)	ADDRESS	4	ATAPCCWQ	Queue of PCCWs to be put on the available PCCW queue
16	(10)	ADDRESS	4	ATACOMPQ	Queue of AIAs to be returned to ILRPAGCM
20	(14)	ADDRESS	4	ATACPCCW	Address of in-process PCCW, not on IORB queue and not on ATAPCCWQ

ATA Constants

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

ATA Cross Reference

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

ATBAPPCA Programming Interface information

Programming Interface information

ATBAPPCA

End of Programming Interface information

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ATBAPPCA Heading Information

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

ATBAPPCA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATBAPPCA	APPC Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	CHARACTER	8	APPC_ID	Identifier 'ATBAPPC'
8	(8)	CHARACTER	2	APPC_VER	Version number
10	(A)	SIGNED	2	APPC_LENGTH	Length of ATBAPPC
12	(C)	CHARACTER	4		Align on double word boundary
16	(10)	CHARACTER	8	APPC_GROUP_NAME	Name of APPC/XCF group
24	(18)	CHARACTER	4	APPC_BUFFER_STOR	Buffer storage limit
28	(1C)	CHARACTER	7	APPC_CONVBUFF	Buffer limit for each conversation in Kbytes
35	(23)	CHARACTER	5	APPC_CONVMAX	APPC active conversation threshold for an AS
40	(28)	CHARACTER	8	APPC_LOGGING	APPC LOGGING setting will have the value LEGACY, RRSGNAME or all blanks
48	(30)	CHARACTER	8	APPC_RRSGNAME	Value of RRS GNAME when LOGGING=RRSGNAME
56	(38)	CHARACTER	32	APPC_FREE	Expansion area
88	(58)	DBL WORD	8	(0)	Align on doubleword boundary

ATBAPPCA Cross Reference

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

ATBASASM Programming Interface information

Programming Interface information

ATBASASM

End of Programming Interface information

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ATBASASM Heading Information

Common Name: Interface Declaration File for APPC/MVS Version Service - Assembler
Macro ID: ATBASASM
DSECT Name: N/A
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: none
Function: ATBASASM contains the Assembler language declarations for parameter values for the APPC/MVS Version Service

ATBASASM Map

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

Comment

Version Numbers returned by the Version Service

End of Comment

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

Comment

RETURN CODE VALUES

Common Return Code Values
The requested service was completed successfully

End of Comment

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		Return Codes for ATBVERS Service Failure			
				End of Comment	
28	(1C)	X'1C'	0	ATBVERS_SERVICE_FAILURE	"ATBATP_FW48"

ATBASASM Cross Reference

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

ATBCSASM Programming Interface information

Programming Interface information

ATBCSASM

End of Programming Interface information

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ATBCSASM Heading Information

Common Name: Interface Declaration File for APPC/MVS Callable System Services - Assembler
Macro ID: ATBCSASM
DSECT Name: none
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: N/A
Offset: N/A
Length: N/A
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: none
Function: ATBCSASM contains the Assembler language declarations for parameter values for the APPC/MVS Callable System Services

ATBCSASM Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Condition Values for Cleanup AS Service	
				End of Comment	
80	(50)	X'0'	0	ATBCMAS_NORMAL_CLEANUP	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMAS_SYSTEM_CLEANUP	"ATBCSS_FW1"
				Comment	
				Notify Type Values for Cleanup AS Service	
				End of Comment	
80	(50)	X'0'	0	ATBCMAS_NOTIFY_TYPE_NONE	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMAS_NOTIFY_TYPE_ECB	"ATBCSS_FW1"
				Comment	
				Condition Values for Cleanup TP Service	
				End of Comment	
80	(50)	X'0'	0	ATBCMTP_NORMAL_CLEANUP	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMTP_SYSTEM_CLEANUP	"ATBCSS_FW1"
80	(50)	X'8'	0	ATBCMTP_TP_NOT_AVAIL_NO_RETRY	"ATBCSS_FW2"
80	(50)	X'C'	0	ATBCMTP_TP_NOT_AVAIL_RETRY	"ATBCSS_FW3"
80	(50)	X'10'	0	ATBCMTP_TPN_NOT_RECOGNIZED	"ATBCSS_FW4"
80	(50)	X'14'	0	ATBCMTP_SECURITY_NOT_VALID	"ATBCSS_FW5"
80	(50)	X'18'	0	ATBCMTP_SYNC_LEVEL_NOT_SPT_PGM	"ATBCSS_FW6"
80	(50)	X'1C'	0	ATBCMTP_USER_NOT_AUTH_FOR_TP	"ATBCSS_FW7"
				Comment	
				Notify Type Values for Cleanup TP Service	
				End of Comment	
80	(50)	X'0'	0	ATBCMTP_NOTIFY_TYPE_NONE	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBCMTP_NOTIFY_TYPE_ECB	"ATBCSS_FW1"
				Comment	
				TP Profile Processing Values for Identify Service	
				End of Comment	
80	(50)	X'0'	0	ATBIDEN_PROFILE_REQUIRED	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBIDEN_PROFILE_OPTIONAL	"ATBCSS_FW1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				LU Initial Status Values for Identify Service	
				End of Comment	
80	(50)	X'0'	0	ATBIDEN_LU_INIT_STAT_ACTIVE	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBIDEN_LU_INIT_STAT_OUTBOUND	"ATBCSS_FW1"
				Comment	
				Prohibit_default_lu values for Set AS Attributes Service	
				End of Comment	
80	(50)	X'0'	0	ATBSASA_PROHIBIT_DEFAULT_LU_NO	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBSASA_PROHIBIT_DEFAULT_LU_YES	"ATBCSS_FW1"
				Comment	
				Unidentify_type values for Unidentify Service	
				End of Comment	
80	(50)	X'0'	0	ATBUNID_UNIDENT_TYPE_NORMAL	"ATBCSS_FW0"
80	(50)	X'4'	0	ATBUNID_UNIDENT_TYPE_IMMEDIATE	"ATBCSS_FW1"
				Comment	
				RETURN CODE VALUES ---------- Common Return Code Values The requested service was completed successfully	
				End of Comment	
80	(50)	X'0'	0	ATB_SUCCESSFUL	"ATBCSS_FW0"
				Comment	
				The requested service is not supported in the callers environment.	
				End of Comment	
84	(54)	SIGNED	4	ATB_INVALID_ENVIRONMENT	
				Comment	
				The requested service must be invoked from a transaction scheduler address space	
				End of Comment	
88	(58)	SIGNED	4	ATB_AS_MUST_BE_A_TS	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				The requested service must be invoked from a transaction scheduler address space or from a transaction scheduler subordinate address space	
				End of Comment	
92	(5C)	SIGNED	4	ATB_AS_MUST_BE_A_TS_OR_SUB	
				Comment	
				The requested service can not be called from a transaction scheduler subordinate address space or have outstanding conversations	
				End of Comment	
96	(60)	SIGNED	4	ATB_AS_CANT_BE_SUB_OR_HAVE_CONV	
				Comment	
				APPC/MVS is not currently active	
				End of Comment	
100	(64)	SIGNED	4	ATB_APPC_NOT_ACTIVE	
				Comment	
				APPC/MVS services failure	
				End of Comment	
104	(68)	SIGNED	4	ATB_APPC_SERVICES_FAILURE	
				Comment	
				Return Codes for Associate Service The TPID specified is not valid	
				End of Comment	
104	(68)	X'20'	0	ATBASOC_INVALID_TPID	"ATBCSS_FW8"
				Comment	
				The new address space is already associated with a TPID	
				End of Comment	
104	(68)	X'24'	0	ATBASOC_AS_ALREADY_ASSOCIATED	"ATBCSS_FW12"
				Comment	
				A TPID of zero was specified and Current_ASCB_Ptr is for a transaction scheduler	
				End of Comment	
104	(68)	X'2C'	0	ATBASOC_ZERO_TPID_INVAL_FOR_TS	"ATBCSS_FW16"
				Comment	
				The New_ASCB_Ptr parameter was not valid	
				End of Comment	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
104	(68)	X'34'	0	ATBASOC_INVALID_NEW_ASCB_PTR	"ATBCSS_FW20"
				Comment	
				The Current_ASCB_Ptr parameter was not valid	
				End of Comment	
104	(68)	X'3C'	0	ATBASOC_INVALID_CURRENT_ASCBPTR	"ATBCSS_FW24"
				Comment	
				The Transaction Program to be associated has an active APPC request outstanding	
				End of Comment	
104	(68)	X'44'	0	ATBASOC_APPC_REQUEST_OUTSTAND	"ATBCSS_FW28"
				Comment	
				The combination of parameters is not valid	
				End of Comment	
104	(68)	X'48'	0	ATBASOC_INVALID_PARM_COMB	"ATBCSS_FW30"
				Comment	
				The TP to be associated is owned by a server address space	
				End of Comment	
104	(68)	X'4C'	0	ATBASOC_TP_OWNED_BY_SERVER	"ATBCSS_FW38"
				Comment	
				Return Codes for Connect Service The ASCB_Ptr parameter was not valid	
				End of Comment	
104	(68)	X'10'	0	ATBCONN_INVALID_ASCB_PTR	"ATBCSS_FW4"
				Comment	
				The Connect request was rejected because either the address space specified is already connected to a transaction scheduler or the address space has outstanding APPC conversations	
				End of Comment	
104	(68)	X'20'	0	ATBCONN_CONNECT_REJECTED	"ATBCSS_FW8"
				Comment	
				Return Codes for Cleanup AS No conversations exist to be cleaned up	
				End of Comment	
104	(68)	X'10'	0	ATBCMAS_NO_CONVERSATIONS	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"ATBCSS_FW4"
				Comment	
				The ASCB_Ptr parameter was not valid	
				End of Comment	
104	(68)	X'20'	0	ATBCMAS_INVALID_ASCB	"ATBCSS_FW8"
				Comment	
				Failure in establishing the asynchronous thread	
				End of Comment	
104	(68)	X'24'	0	ATBCMAS_ASYNC_FAILURE	"ATBCSS_FW12"
				Comment	
				Return Codes for Cleanup TP No conversations exist to be cleaned up	
				End of Comment	
104	(68)	X'10'	0	ATBCMTP_NO_CONVERSATIONS	"ATBCSS_FW4"
				Comment	
				The TPID parameter specifies a non-existant TP instance	
				End of Comment	
104	(68)	X'20'	0	ATBCMTP_INVALID_TPID	"ATBCSS_FW8"
				Comment	
				Failure in establishing the asynchronous thread	
				End of Comment	
104	(68)	X'24'	0	ATBCMTP_ASYNC_FAILURE	"ATBCSS_FW12"
				Comment	
				Return Codes for Control Service Request accepted. One or more LUs were not immediately affected	
				End of Comment	
104	(68)	X'10'	0	ATBCNTL_LU_AFFECTED_LATER	"ATBCSS_FW4"
				Comment	
				The LU name specified is not valid or does not belong to calling transaction scheduler	
				End of Comment	
104	(68)	X'20'	0	ATBCNTL_LU_NOT_ASSIGNED_TO_TS	"ATBCSS_FW8"

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
104	(68)	X'3C'	0	ATBIDEN_INVALID_TP_PROF_PROC	"ATBCSS_FW24"

Comment

The Resource_Manager_Name parameter value is not valid

End of Comment

104	(68)	X'40'	0	ATBIDEN_RM_NAME_NOT_VALID	"ATBCSS_FW26"

Comment

The LU_initial_status parameter is not valid

End of Comment

104	(68)	X'44'	0	ATBIDEN_INVALID_LU_INIT_STATUS	"ATBCSS_FW28"

Comment

The Identify service was issued from a server address space

End of Comment

104	(68)	X'50'	0	ATBIDEN_IDENTIFIED_FROM_SERVER	"ATBCSS_FW40"

Comment

Return Codes for Unidentify Service
The unidentify type parameter contains an unknown value

End of Comment

104	(68)	X'2C'	0	ATBUNID_INVALID_UNIDENTIFY_TYPE	"ATBCSS_FW16"

Comment

Return Codes for Join SysAppc Group Service
XCF failed or request is denied by XCF

End of Comment

104	(68)	X'20'	0	ATBMIGRP_XCF_FAILED	"ATBCSS_FW8"

Comment

The caller is not running in supervisor state or key 0-7

End of Comment

104	(68)	X'50'	0	ATBMIGRP_CALLER_NOT_SUP_KEY0_7	"ATBCSS_FW40"

Comment

Return Codes for Set Address Space Attributes Service
The ASCB_Ptr parameter was not valid

End of Comment

104	(68)	X'10'	0	ATBSASA_INVALID_ASCB_PTR	"ATBCSS_FW4"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		The Default_LU_designation parameter is not valid			
				End of Comment	
104	(68)	X'20'	0	ATBSASA_INVALID_PROHIBIT_VALUE	"ATBCSS_FW8"
				Comment	
		The caller is not running in supervisor state or key 0-7			
				End of Comment	
104	(68)	X'50'	0	ATBSASA_CALLER_NOT_SUP_KEY0_7	"ATBCSS_FW40"

ATBCSASM Cross Reference

Name	Hex Offset	Hex Value
ATB_APPC_NOT_ACTIVE	64	2C
ATB_APPC_SERVICES_FAILURE	68	30
ATB_AS_CANT_BE_SUB_OR_HAVE_CONV	60	26
ATB_AS_MUST_BE_A_TS	58	22
ATB_AS_MUST_BE_A_TS_OR_SUB	5C	24
ATB_INVALID_ENVIRONMENT	54	20
ATB_SUCCESSFUL	50	0
ATBASOC_APPC_REQUEST_OUTSTAND	68	44
ATBASOC_AS_ALREADY_ASSOCIATED	68	24
ATBASOC_INVALID_CURRENT_ASCBPTR	68	3C
ATBASOC_INVALID_NEW_ASCB_PTR	68	34
ATBASOC_INVALID_PARM_COMB	68	48
ATBASOC_INVALID_TPID	68	20
ATBASOC_TP_OWNED_BY_SERVER	68	4C
ATBASOC_ZERO_TPID_INVAL_FOR_TS	68	2C
ATBCMAS_ASYNC_FAILURE	68	24
ATBCMAS_INVALID_ASCB	68	20
ATBCMAS_NO_CONVERSATIONS	68	10
ATBCMAS_NORMAL_CLEANUP	50	0
ATBCMAS_NOTIFY_TYPE_ECB	50	4
ATBCMAS_NOTIFY_TYPE_NONE	50	0
ATBCMAS_SYSTEM_CLEANUP	50	4
ATBCMTP_ASYNC_FAILURE	68	24
ATBCMTP_INVALID_TPID	68	20
ATBCMTP_NO_CONVERSATIONS	68	10
ATBCMTP_NORMAL_CLEANUP	50	0
ATBCMTP_NOTIFY_TYPE_ECB	50	4
ATBCMTP_NOTIFY_TYPE_NONE	50	0
ATBCMTP_SECURITY_NOT_VALID	50	14
ATBCMTP_SYNC_LEVEL_NOT_SPT_PGM	50	18
ATBCMTP_SYSTEM_CLEANUP	50	4
ATBCMTP_TP_NOT_AVAIL_NO_RETRY	50	8
ATBCMTP_TP_NOT_AVAIL_RETRY	50	C
ATBCMTP_TPN_NOT_RECOGNIZED	50	10
ATBCMTP_USER_NOT_AUTH_FOR_TP	50	1C
ATBCNTL_HALT_ALL_INPUT	50	8
ATBCNTL_HALT_INPUT	50	0
ATBCNTL_INVALID_FUNCTION	68	2C
ATBCNTL_INVALID_LU_STATE	68	24
ATBCNTL_LU_AFFECTED_LATER	68	10
ATBCNTL_LU_NOT_ASSIGNED_TO_TS	68	20
ATBCNTL_RESUME_ALL_INPUT	50	C
ATBCNTL_RESUME_INPUT	50	4

Name	Hex Offset	Hex Value
ATBCONN_CONNECT_REJECTED	68	20
ATBCONN_INVALID_ASCB_PTR	68	10
ATBCSS_FW0	0	0
ATBCSS_FW1	4	1
ATBCSS_FW12	24	C
ATBCSS_FW14	28	E
ATBCSS_FW16	2C	10
ATBCSS_FW18	30	12
ATBCSS_FW2	8	2
ATBCSS_FW20	34	14
ATBCSS_FW22	38	16
ATBCSS_FW24	3C	18
ATBCSS_FW26	40	1A
ATBCSS_FW28	44	1C
ATBCSS_FW3	C	3
ATBCSS_FW30	48	1E
ATBCSS_FW38	4C	26
ATBCSS_FW4	10	4
ATBCSS_FW40	50	28
ATBCSS_FW5	14	5
ATBCSS_FW6	18	6
ATBCSS_FW7	1C	7
ATBCSS_FW8	20	8
ATBDCON_INVALID_ASCB_PTR	68	10
ATBDCON_NOT_CONNECTED	68	20
ATBDFTP_INVALID_TP_NAME	68	20
ATBDFTP_LU_NOT_ASSIGNED_TO_TS	68	10
ATBIDEN_EXIT_LOAD_FAILED	68	30
ATBIDEN_IDENTIFIED_DIFF_NAME	68	28
ATBIDEN_IDENTIFIED_FROM_SERVER	68	50
ATBIDEN_IDENTIFIED_SAME_NAME	68	24
ATBIDEN_INVALID_EXIT_NAME	68	38
ATBIDEN_INVALID_LU_INIT_STATUS	68	44
ATBIDEN_INVALID_SCHED_NAME	68	34
ATBIDEN_INVALID_TP_PROF_PROC	68	3C
ATBIDEN_LU_INIT_STAT_ACTIVE	50	0
ATBIDEN_LU_INIT_STAT_OUTBOUND	50	4
ATBIDEN_NO_BASE_LU	68	10
ATBIDEN_NO_LUS	68	20
ATBIDEN_PROFILE_OPTIONAL	50	4
ATBIDEN_PROFILE_REQUIRED	50	0
ATBIDEN_RM_NAME_NOT_VALID	68	40
ATBIDEN_SCHED_NAME_IN_USE	68	2C
ATBMIGRP_CALLER_NOT_SUP_KEY0_7	68	50
ATBMIGRP_XCF_FAILED	68	20
ATBSASA_CALLER_NOT_SUP_KEY0_7	68	50
ATBSASA_INVALID_ASCB_PTR	68	10
ATBSASA_INVALID_PROHIBIT_VALUE	68	20
ATBSASA_PROHIBIT_DEFAULT_LU_NO	50	0
ATBSASA_PROHIBIT_DEFAULT_LU_YES	50	4
ATBUNID_INVALID_UNIDENTIFY_TYPE	68	2C
ATBUNID_UNIDENT_TYPE_IMMEDIATE	50	4
ATBUNID_UNIDENT_TYPE_NORMAL	50	0

ATBCTASM Programming Interface information

Programming Interface information

ATBCTASM

End of Programming Interface information

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ATBCTASM Heading Information

Common Name: Interface Declaration File for Callable Transaction Services - Assembler
Macro ID: ATBCTASM
DSECT Name: N/A
Owning Component: APPC Component (SCACB)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: none
Function: ATBCTASM contains the Assembler language declarations for parameter values for Callable Transaction Services.

ATBCTASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	ATBCTS_FW0	
4	(4)	SIGNED	4	ATBCTS_FW1	
8	(8)	SIGNED	4	ATBCTS_FW2	
12	(C)	SIGNED	4	ATBCTS_FW3	
16	(10)	SIGNED	4	ATBCTS_FW4	
				Comment	
				Reject Conversation - Deallocate Sense Codes	
				End of Comment	
20	(14)	BITSTRING	4	ATBCTS_TP_NOT_AVAILABLE_RETRY	
24	(18)	BITSTRING	4	ATBCTS_TP_NOT_AVAIL_NO_RETRY	
28	(1C)	BITSTRING	4	ATBCTS_TPN_NOT_RECOGNIZED	
32	(20)	BITSTRING	4	ATBCTS_SECURITY_NOT_VALID	
36	(24)	BITSTRING	4	ATBCTS_SYNC_LVL_NOT_SPPRTD_PGM	
40	(28)	BITSTRING	4	ATBCTS_CONV_TYPE_MISMATCH	
				Comment	
				Event Notification Types	
				End of Comment	
40	(28)	X'4'	0	ATBCTS_SET_ONE_TIME_NOTIFY	"ATBCTS_FW1"
40	(28)	X'8'	0	ATBCTS_SET_CONTINUOUS_NOTIFY	"ATBCTS_FW2"
40	(28)	X'C'	0	ATBCTS_CANCEL_NOTIFY	"ATBCTS_FW3"
40	(28)	X'10'	0	ATBCTS_CANCEL_ALL_NOTIFY	"ATBCTS_FW4"
				Comment	
				Event Notification Codes	
				End of Comment	
40	(28)	X'4'	0	ATBCTS_ALLOCATE_QUEUE_MIN	"ATBCTS_FW1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
40	(28)	X'8'	0	ATBCTS_ALLOCATE_QUEUE_MAX	"ATBCTS_FW2"

Comment

Invocation types

End of Comment

40	(28)	X'4'	0	ATBCTS_IMMEDIATE	"ATBCTS_FW1"
40	(28)	X'8'	0	ATBCTS_WAIT	"ATBCTS_FW2"
40	(28)	X'C'	0	ATBCTS_TIMED	"ATBCTS_FW3"

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

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

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

Comment

Return Code Values

End of Comment

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

Comment

Reason Code Values

End of Comment

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

Comment

6 IS RESERVED

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
88	(58)	SIGNED	4	ATBCTS_PARAMETER_INACCESSIBLE	
92	(5C)	SIGNED	4	ATBCTS_CANNOT_HOLD_LOCKS	
				Comment	
				9 IS RESERVED	
				End of Comment	
96	(60)	SIGNED	4	ATBCTS_SCHED_CANT_REGISTER	
100	(64)	SIGNED	4	ATBCTS_SYM_DEST_NAME_UNKNOWN	
104	(68)	SIGNED	4	ATBCTS_INVAL_LOCAL_LU	
108	(6C)	SIGNED	4	ATBCTS_LU_NOT_RECEIVING	
112	(70)	SIGNED	4	ATBCTS_NOT_AUTH_TO_SERVE_TP	
116	(74)	SIGNED	4	ATBCTS_NOT_AUTH_TO_LOCAL_LU	
120	(78)	SIGNED	4	ATBCTS_APPC_SERVICE_FAILURE	
124	(7C)	SIGNED	4	ATBCTS_INVAL_ALLOC_QUEUE_TOKEN	
128	(80)	SIGNED	4	ATBCTS_INVAL_NOTIFY_TYPE	
132	(84)	SIGNED	4	ATBCTS_INVAL_TIMEOUT_VALUE	
136	(88)	SIGNED	4	ATBCTS_REQUEST_CANCELLED	
140	(8C)	SIGNED	4	ATBCTS_NO_ALLOC_TO_RECEIVE	
144	(90)	SIGNED	4	ATBCTS_INVAL_CONVERSATION_ID	
148	(94)	SIGNED	4	ATBCTS_INVAL_SENSE_CODE	
152	(98)	SIGNED	4	ATBCTS_NOT_FIRST_CONV_CALL	
156	(9C)	SIGNED	4	ATBCTS_NOT_INBOUND_CONV	
160	(A0)	SIGNED	4	ATBCTS_INVAL_EVENT_NOTIF_TYPE	
164	(A4)	SIGNED	4	ATBCTS_INVAL_EVENT_CODE	
168	(A8)	SIGNED	4	ATBCTS_NETID_DOES_NOT_MATCH	
172	(AC)	SIGNED	4	ATBCTS_INVAL_EVENT_CODE_QUAL	
176	(B0)	SIGNED	4	ATBCTS_NO_EVENT_AVAILABLE	
180	(B4)	SIGNED	4	ATBCTS_EVENT_NOTIFY_CANCELLED	
184	(B8)	SIGNED	4	ATBCTS_GET_EVENT_OUTSTANDING	
188	(BC)	SIGNED	4	ATBCTS_NOTIFY_NOT_SET	
192	(C0)	SIGNED	4	ATBCTS_INVAL_QUEUE_KEEP_TIME	
196	(C4)	SIGNED	4	ATBCTS_INVAL_ACCT_DATA_LENGTH	
200	(C8)	SIGNED	4	ATBCTS_UNREG_ALL_NO_REGISTERS	
204	(CC)	SIGNED	4	ATBCTS_INVAL_EVENT_GET_TYPE	
208	(D0)	SIGNED	4	ATBCTS_INVAL_RECEIVE_ALLC_TYPE	
212	(D4)	SIGNED	4	ATBCTS_CANNOT_DETERMINE_NETID	
216	(D8)	SIGNED	4	ATBCTS_CONV_INACCESSIBLE	
220	(DC)	SIGNED	4	ATBCTS_BUFFER_TOO_SMALL	
224	(E0)	SIGNED	4	ATBCTS_NO_ERROR_INFO	
228	(E4)	SIGNED	4	ATBCTS_INVAL_PARTNER_LU	
232	(E8)	SIGNED	4	ATBCTS_LUWID_ALREADY_ASSOCIATED	
236	(EC)	SIGNED	4	ATBCTS_SYNC_POINT_MANAGER_ERROR	

ATBCTASM Cross Reference

Name	Hex Offset	Hex Value
ATBCTS_ALLOCATE_QUEUE_MAX	28	8
ATBCTS_ALLOCATE_QUEUE_MIN	28	4
ATBCTS_ALREADY_REGISTERED	44	1
ATBCTS_APPC_NOT_AVAILABLE	40	40
ATBCTS_APPC_SERVICE_FAILURE	78	10
ATBCTS_BUF_ALLOC_QUEUE_MAX	0	
ATBCTS_BUF_ALLOC_QUEUE_MIN	0	
ATBCTS_BUFFER_TOO_SMALL	DC	29
ATBCTS_CANCEL_ALL_NOTIFY	28	10
ATBCTS_CANCEL_NOTIFY	28	C
ATBCTS_CANNOT_DETERMINE_NETID	D4	27
ATBCTS_CANNOT_HOLD_LOCKS	5C	8
ATBCTS_CONV_INACCESSIBLE	D8	28
ATBCTS_CONV_TYPE_MISMATCH	28	10086034
ATBCTS_EVENT_NOTIFY_CANCELLED	B4	1F

Name	Hex Offset	Hex Value
ATBCTS_FW0	0	0
ATBCTS_FW1	4	1
ATBCTS_FW2	8	2
ATBCTS_FW3	C	3
ATBCTS_FW4	10	4
ATBCTS_GET_EVENT_OUTSTANDING	B8	20
ATBCTS_IMMEDIATE	28	4
ATBCTS_INVAL_ACCT_DATA_LENGTH	C4	23
ATBCTS_INVAL_ALLOC_QUEUE_TOKEN	7C	11
ATBCTS_INVAL_CONVERSATION_ID	90	16
ATBCTS_INVAL_EVENT_CODE	A4	1B
ATBCTS_INVAL_EVENT_CODE_QUAL	AC	1D
ATBCTS_INVAL_EVENT_GET_TYPE	CC	25
ATBCTS_INVAL_EVENT_NOTIF_TYPE	A0	1A
ATBCTS_INVAL_LOCAL_LU	68	C
ATBCTS_INVAL_NOTIFY_TYPE	80	12
ATBCTS_INVAL_PARTNER_LU	E4	2B
ATBCTS_INVAL_QUEUE_KEEP_TIME	C0	22
ATBCTS_INVAL_RECEIVE_ALLC_TYPE	D0	26
ATBCTS_INVAL_SENSE_CODE	94	17
ATBCTS_INVAL_TIMEOUT_VALUE	84	13
ATBCTS_INVAL_TP_NAME	4C	3
ATBCTS_INVAL_TP_NAME_LENGTH	50	4
ATBCTS_LOCAL_LU_NOT_SPECIFIED	54	5
ATBCTS_LU_NOT_RECEIVING	6C	D
ATBCTS_LUWID_ALREADY_ASSOCIATED	E8	2C
ATBCTS_MAX_ALLOC_QUEUE_TOKEN	0	
ATBCTS_MAX_QUEUE_SIZE	8	
ATBCTS_MIN_ALLOC_QUEUE_TOKEN	0	
ATBCTS_MIN_QUEUE_SIZE	8	
ATBCTS_NETID_DOES_NOT_MATCH	A8	1C
ATBCTS_NO_ALLOC_TO_RECEIVE	8C	15
ATBCTS_NO_ERROR_INFO	E0	2A
ATBCTS_NO_EVENT_AVAILABLE	B0	1E
ATBCTS_NOT_AUTH_TO_LOCAL_LU	74	F
ATBCTS_NOT_AUTH_TO_SERVE_TP	70	E
ATBCTS_NOT_FIRST_CONV_CALL	98	18
ATBCTS_NOT_INBOUND_CONV	9C	19
ATBCTS_NOTIFY_NOT_SET	BC	21
ATBCTS_OK	2C	0
ATBCTS_PARAMETER_ERROR	34	8
ATBCTS_PARAMETER_INACCESSIBLE	58	7
ATBCTS_REQUEST_CANCELLED	88	14
ATBCTS_REQUEST_UNSUCCESSFUL	38	10
ATBCTS_SCHED_CANT_REGISTER	60	A
ATBCTS_SECURITY_NOT_VALID	20	80F6051
ATBCTS_SERVICE_FAILURE	3C	20
ATBCTS_SET_CONTINUOUS_NOTIFY	28	8
ATBCTS_SET_ONE_TIME_NOTIFY	28	4
ATBCTS_SYM_DEST_NAME_UNKNOWN	64	B
ATBCTS_SYNC_LVL_NOT_SPPRTD_PGM	24	10086041
ATBCTS_SYNC_POINT_MANAGER_ERROR	EC	2D
ATBCTS_TIMED	28	C
ATBCTS_TP_NAME_NOT_SPECIFIED	48	2
ATBCTS_TP_NOT_AVAIL_NO_RETRY	18	84C0000
ATBCTS_TP_NOT_AVAILABLE_RETRY	14	84B6031
ATBCTS_TPN_NOT_RECOGNIZED	1C	10086021
ATBCTS_UNREG_ALL_NO_REGISTERS	C8	24
ATBCTS_WAIT	28	8
ATBCTS_WARNING	30	4

ATBDFTP Programming Interface Information

Programming Interface Information

ATBDFTP

End of Programming Interface Information

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ATBDFTP Heading Information

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

ATBDFTP Map

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

Comment

These constants are used with the TP_PROFILE_KEY

End of Comment

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	TP_PROFILE	TP Profile
0	(0)	DBL WORD	8	(0)	Double word alingment

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	CHARACTER	256	TP_PROFILE_HEADER (0)	
					TP Profile Header
0	(0)	SIGNED	4	TP_PROFILE_COMMON_FIELDS (0)	
0	(0)	CHARACTER	8	TP_PROFILE_ID	
					TP Profile Identifier
8	(8)	SIGNED	4	TP_PROFILE_LENGTH	
					Length of TP Profile
12	(C)	BITSTRING	1	TP_PROFILE_FLAGS	
					TP Profile Flags
		1...		TP_PROFILE_DEACTIVATED	
					"X'80'" TP Profile is deactivated
		.1..		NON_ASCH_CONVERTED	
					"X'40'" TP Profile is converted
13	(D)	BITSTRING	3		TP Profile Flags Continued
16	(10)	CHARACTER	8	TP_PROFILE_TPSCHED_EXIT	
					TP Profile Identifier
24	(18)	CHARACTER	232		
256	(100)	SIGNED	4	TP_PROFILE_ASCH_PROFILE (0)	

Comment

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

End of Comment

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

Comment

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

End of Comment

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

ATBDFTP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
		This constant is used with the TP_PROFILE			
		End of Comment			
276	(114)	CHARACTER	8	TP_PROFILE_IDENTIFIER	

ATBDFTP Cross Reference

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

ATBDFTPE Programming Interface Information

Programming Interface Information

ATBDFTPE

End of Programming Interface Information

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ATBDFTPE Heading Information

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

ATBDFTPE Map

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

Comment

These constants are used with the ATBDFTPE Mapping Macro

End of Comment

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

ATBDFTPE Cross Reference

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

ATBEXCON Programming Interface Information

Programming Interface Information

ATBEXCON

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ATBEXCON Heading Information

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

ATBEXCON Map

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

ATBEXCON Cross Reference

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

ATBEXCOS Programming Interface information

Programming Interface information

ATBEXCOS

End of Programming Interface information

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ATBEXCOS Heading Information

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

ATBEXCOS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATBEXCOS	Extract Specific Conversation Information Control Block
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	CHARACTER	8	EXCOS_CONV_ID	Conversation ID
8	(8)	SIGNED	4	EXCOS_INOUT	Inbound/Outbound indicator: 0 -> outbound, 1 -> inbound
12	(C)	SIGNED	4	EXCOS_PLU_LOCATION	Partner LU location 1 -> remote, 2 -> local
16	(10)	SIGNED	4	EXCOS_CONV_KIND	How the conversation was processed 0 -> others, 1 -> served TP
20	(14)	CHARACTER	26	EXCOS_LUWID	Logical unit of work ID
46	(2E)	CHARACTER	8	EXCOS_CONV_CORRELATOR	Conversation Correlator
54	(36)	CHARACTER	10	EXCOS_CONV_USERID	Conversation userid: sent or received in the attach request (FMH-5) which created this conversation
64	(40)	CHARACTER	8	EXCOS_SCHED_NAME	Scheduler Name
72	(48)	SIGNED	4	EXCOS_TP_NAME_LENGTH	Length of TP Name sent or received in the attach request (FMH-5) which created this conversation
76	(4C)	CHARACTER	64	EXCOS_TP_NAME	Transaction Program Name sent or received in the attach request (FMH-5) which created this conversation
140	(8C)	SIGNED	4	EXCOS_LOCAL_TP_NAME_LENGTH	Local TP Name Length
144	(90)	CHARACTER	64	EXCOS_LOCAL_TP_NAME	Local TP Name
208	(D0)	CHARACTER	8	EXCOS_LU_NAME	Logical Unit Name
216	(D8)	CHARACTER	17	EXCOS_PLU_NAME	Fully qualified Partner LU name
233	(E9)	CHARACTER	3		Reserved
236	(EC)	CHARACTER	8	EXCOS_ARRIVAL_TIME	Date and time this ALLOCATE request was obtained from VTAM or from a local LU by APPC/MVS. This field contains the date and time in the format provided by the STORE CLOCK (STCK) assembler instruction. This field is set to zero for outbound requests.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
244	(F4)	CHARACTER	8	EXCOS_CONV_AVAILABLE_TIME	Date and time this conversation was placed on the allocate queue. The content of this field has meaning only when Excos_Conv_Kind indicates that this is a served TP.
252	(FC)	CHARACTER	8	EXCOS_CONV_START_TIME	For outbound conversations this is the date and time the allocate was issued. For inbound conversations, if the TP is not served, this is the time the first verb was issued. For inbound, served TPs, this is the time RECEIVE_ALLOCATE was issued.
260	(104)	CHARACTER	8	EXCOS_END_TIME	Date and time this conversation was deallocated. This field contains the date and time in the format provided by the STORE CLOCK (STCK) assembler instruction.
268	(10C)	CHARACTER	8	EXCOS_MODE_NAME	Conversation mode name
276	(114)	SIGNED	4	EXCOS_SYNC_LEVEL	Conversation synchronization level
280	(118)	SIGNED	4	EXCOS_TOTAL_SENDS	Total number of Sends issued by the local transaction program on this conversation
284	(11C)	CHARACTER	8	EXCOS_TOTAL_SEND_AMT	Total amount of data sent, in bytes. Value is returned as a Long Floating Point Number in the form: 'eehhhhhhhhhhhhhh', where ee is the characteristic (00 <= ee <= 7F), and where hhhhhhhhhhhhhh is the 14-digit hexadicimal fraction part.
292	(124)	SIGNED	4	EXCOS_TOTAL_RECEIVES	Total number of Receives
296	(128)	CHARACTER	8	EXCOS_TOTAL_RECEIVE_AMT	Total amount of data received, in bytes. Value is returned as a Long Floating Point Number in the form: 'eehhhhhhhhhhhhhh', where ee is the characteristic (00 <= ee <= 7F), and where hhhhhhhhhhhhhh is the 14-digit hexadicimal fraction part.
304	(130)	SIGNED	4	EXCOS_TOTAL_CALLABLE_SERVICE	Total number of callable service requests issued by the local transaction program for this conversation
308	(134)	SIGNED	4	EXCOS_LAST_SERVICE_RETURN_CODE	Return code from last requested callable service
312	(138)	SIGNED	4	EXCOS_LAST_SERVICE_REASON_CODE	Reason code from last callable service requested on this conversation which returned product_specific_error
316	(13C)	SIGNED	4	EXCOS_CONVERSATION_STATE	Current State of Conversation
320	(140)	CHARACTER	8	EXCOS_LAST_SERVICE_START_TIME	Date and time of start of last requested service in STCK format
328	(148)	CHARACTER	8	EXCOS_LAST_SERVICE_END_TIME	Date and time of end of last requested service in STCK format
336	(150)	SIGNED	4	EXCOS_LENGTH_OF_USER_DATA	Length of Excos_User_Data field
340	(154)	CHARACTER	255	EXCOS_USER_DATA	User field - This field is set from user input provided via SET_CONVERSATION_ACCOUNTING_INFORMATION
595	(253)	CHARACTER	16	EXCOS_URID	Unit of Recovery Identifier for protected conversations
595	(253)	X'263'	0	ATBEXCOS_LEN	"*-ATBEXCOS" Length of ATBEXCOS control block

ATBEXCOS Cross Reference

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

ATBSECB Programming Interface Information

Programming Interface Information

ATBSECB

End of Programming Interface Information

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ATBSECB Heading Information

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

ATBSECB Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				The 'Atbsecb_var_data_getinfo' mapping is used to map the 'Secb_var_data' area when the Scheduler Extract Exit is being called for a Get_Info request. All calls to ATBEXAI for scheduler information result in the Scheduler Extract Exit being called for a Get_Info request, so this form of the ATBSECB is the only form used to invoke the extract exit from ATBEXAI. This area contains a copy of the parameters passed on the call to ATBEXAI.	
				End of Comment	
16	(10)	SIGNED	4	ATBSECB_VAR_DATA_GETINFO (0)	
					Align on a fullword boundary
16	(10)	SIGNED	4	SECB_EXTRACT_INFOTYPE	
					Value of Extract_Code passed to Extract Service
20	(14)	SIGNED	4	SECB_EXTRACT_QUALTYPE	
					Value of Qualifier_type passed to Extract Service
24	(18)	CHARACTER	8	SECB_EXTRACT_QUALIFIER	
					Value of Qualifier_Value passed to Extract Service
32	(20)	SIGNED	4	SECB_BUFFER_LENGTH	
					Length of buffer passed to Extract Service. This field returns the length of the buffer area actually used to return the extracted information.
36	(24)	SIGNED	4	SECB_ACCESS_TOKEN	
					ALET of buffer pointed to by 'Secb_buffer_address'
40	(28)	ADDRESS	4	SECB_BUFFER_ADDRESS	
					Address of buffer passed to Extract Service. The extracted information is returned in this buffer.
40	(28)	X'1C'	0	ATBSECB_GETINFO_LEN	
					"*-ATBSECB_VAR_DATA_GETINFO" Length of the variable part of the SECB for a GETINFO request
				Comment	
				The 'Atbsecb_var_data_getinfo' mapping is used to map the 'Secb_var_data' area when the Scheduler Extract Exit is being called for a Get_Info request. All calls to ATBEXAI for scheduler information result in the Scheduler Extract Exit being called for a Get_Info request, so this form of the ATBSECB is the only form used to invoke the extract exit from ATBEXAI. This area contains a copy of the parameters passed on the call to ATBEXAI.	
				End of Comment	
16	(10)	SIGNED	4	ATBSECB_VAR_DATA_GETTPID (0)	
					Align on a fullword boundary
16	(10)	CHARACTER	8	SECB_EXTRACT_TPID	
					Area used to return TPID value
24	(18)	ADDRESS	4	SECB_ASCB_PTR	
					Specifies ASCB address of the address space in control at the time the service is requested (i.e. home address space of caller).
28	(1C)	ADDRESS	4	SECB_TCB_ADDRESS	
					Specifies address of TCB in control at the time of the service request. This value is 0 if the Extract Service was called in SRB mode.
28	(1C)	X'10'	0	ATBSECB_GETTPID_LEN	
					"*-ATBSECB_VAR_DATA_GETTPID" Length of the variable part of the SECB for a GETTPID request

ATBSECB Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		Constants which define the valid Secb_service_indicator request types.			
				End of Comment	
28	(1C)	X'0'	0	ATBSECB_GET_INFO	"0" Constant used to define a Get_Info request to the TP Scheduler Extract Exit
28	(1C)	X'1'	0	ATBSECB_GET_TPID	"1" Constant used to define a Get_TPID request to the TP Scheduler Extract Exit

ATBSECB Cross Reference

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

ATBSERV Programming Interface Information

Programming Interface Information

ATBSERV

End of Programming Interface Information

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ATBSERV Heading Information

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

ATBSERV Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	ATB_FW0	
4	(4)	SIGNED	4	ATB_FW1	
8	(8)	SIGNED	4	ATB_FW2	
12	(C)	SIGNED	4	ATB_FW3	
16	(10)	SIGNED	4	ATB_FW4	
20	(14)	SIGNED	4	ATB_FW5	
24	(18)	SIGNED	4	ATB_FW6	
28	(1C)	SIGNED	4	ATB_FW7	
32	(20)	SIGNED	4	ATB_FW8	
36	(24)	SIGNED	4	ATB_FW100	
40	(28)	SIGNED	4	ATB_FW101	
44	(2C)	SIGNED	4	ATB_FW102	
				Comment	
				Conversation State Values	
				End of Comment	
44	(2C)	X'8'	0	ATB_INITIALIZE_STATE	"ATB_FW2"
44	(2C)	X'C'	0	ATB_SEND_STATE	"ATB_FW3"
44	(2C)	X'10'	0	ATB_RECEIVE_STATE	"ATB_FW4"
44	(2C)	X'14'	0	ATB_SEND_PENDING_STATE	"ATB_FW5"
44	(2C)	X'18'	0	ATB_CONFIRM_STATE	"ATB_FW6"
44	(2C)	X'1C'	0	ATB_CONFIRM_SEND_STATE	"ATB_FW7"
44	(2C)	X'20'	0	ATB_CONFIRM_DEALLOCATE_STATE	"ATB_FW8"
				Comment	
				Conversation Type values	
				End of Comment	
44	(2C)	X'0'	0	ATB_BASIC_CONVERSATION	"ATB_FW0"
44	(2C)	X'4'	0	ATB_MAPPED_CONVERSATION	"ATB_FW1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Data Received values	
				End of Comment	
44	(2C)	X'0'	0	ATB_NO_DATA_RECEIVED	"ATB_FW0"
44	(2C)	X'4'	0	ATB_DATA_RECEIVED	"ATB_FW1"
44	(2C)	X'8'	0	ATB_COMPLETE_DATA_RECEIVED	"ATB_FW2"
44	(2C)	X'C'	0	ATB_INCOMPLETE_DATA_RECEIVED	"ATB_FW3"
				Comment	
				Deallocate Type values	
				End of Comment	
44	(2C)	X'0'	0	ATB_DEALLOCATE_SYNC_LEVEL	"ATB_FW0"
44	(2C)	X'4'	0	ATB_DEALLOCATE_FLUSH	"ATB_FW1"
44	(2C)	X'8'	0	ATB_DEALLOCATE_CONFIRM	"ATB_FW2"
44	(2C)	X'C'	0	ATB_DEALLOCATE_ABEND	"ATB_FW3"
				Comment	
				Error Direction values	
				End of Comment	
44	(2C)	X'0'	0	ATB_RECEIVE_ERROR	"ATB_FW0"
44	(2C)	X'4'	0	ATB_SEND_ERROR	"ATB_FW1"
				Comment	
				Fill values	
				End of Comment	
44	(2C)	X'0'	0	ATB_FILL_LL	"ATB_FW0"
44	(2C)	X'4'	0	ATB_FILL_BUFFER	"ATB_FW1"
				Comment	
				Locks values	
				End of Comment	
44	(2C)	X'24'	0	ATB_LOCKS_SHORT	"ATB_FW100"
44	(2C)	X'28'	0	ATB_LOCKS_LONG	"ATB_FW101"
				Comment	
				Notify Type Values	
				End of Comment	
44	(2C)	X'0'	0	ATB_NOTIFY_TYPE_NONE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"ATB_FW0"
44	(2C)	X'4'	0	ATB_NOTIFY_TYPE_ECB	
					"ATB_FW1"
				Comment	
				Prepare to Receive Type values	
				End of Comment	
44	(2C)	X'0'	0	ATB_PREP_TO_RECEIVE_SYNC_LEVEL	
					"ATB_FW0"
44	(2C)	X'4'	0	ATB_PREP_TO_RECEIVE_FLUSH	
					"ATB_FW1"
44	(2C)	X'8'	0	ATB_PREP_TO_RECEIVE_CONFIRM	
					"ATB_FW2"
				Comment	
				Request to Send Received values	
				End of Comment	
44	(2C)	X'0'	0	ATB_REQ_TO_SEND_NOT_RECEIVED	
					"ATB_FW0"
44	(2C)	X'4'	0	ATB_REQ_TO_SEND_RECEIVED	
					"ATB_FW1"
				Comment	
				Return Control values	
				End of Comment	
44	(2C)	X'0'	0	ATB_WHEN_SESSION_ALLOCATED	
					"ATB_FW0"
44	(2C)	X'4'	0	ATB_IMMEDIATE	
					"ATB_FW1"
44	(2C)	X'24'	0	ATB_WHEN_CONWINNER_ALLOCATED	
					"ATB_FW100"
				Comment	
				Security Type values	
				End of Comment	
44	(2C)	X'24'	0	ATB_SECURITY_NONE	
					"ATB_FW100"
44	(2C)	X'28'	0	ATB_SECURITY_SAME	
					"ATB_FW101"
44	(2C)	X'2C'	0	ATB_SECURITY_PROGRAM	
					"ATB_FW102"
				Comment	
				Send Type values	
				End of Comment	
44	(2C)	X'0'	0	ATB_BUFFER_DATA	
					"ATB_FW0"
44	(2C)	X'4'	0	ATB_SEND_AND_FLUSH	
					"ATB_FW1"
44	(2C)	X'8'	0	ATB_SEND_AND_CONFIRM	
					"ATB_FW2"
44	(2C)	X'C'	0	ATB_SEND_AND_PREP_TO_RECEIVE	
					"ATB_FW3"
44	(2C)	X'10'	0	ATB_SEND_AND_DEALLOCATE	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"ATB_FW4"
				Comment	
				Status Received values	
				End of Comment	
44	(2C)	X'0'	0	ATB_NO_STATUS_RECEIVED	
					"ATB_FW0"
44	(2C)	X'4'	0	ATB_SEND_RECEIVED	
					"ATB_FW1"
44	(2C)	X'8'	0	ATB_CONFIRM_RECEIVED	
					"ATB_FW2"
44	(2C)	X'C'	0	ATB_CONFIRM_SEND_RECEIVED	
					"ATB_FW3"
44	(2C)	X'10'	0	ATB_CONFIRM_DEALLOC_RECEIVED	
					"ATB_FW4"
				Comment	
				Sync Level values	
				End of Comment	
44	(2C)	X'0'	0	ATB_NONE	"ATB_FW0"
44	(2C)	X'4'	0	ATB_CONFIRM	"ATB_FW1"
				Comment	
				Return code values	
				End of Comment	
48	(30)	SIGNED	4	ATB_OK	
52	(34)	SIGNED	4	ATB_ALLOCATE_FAILURE_NO_RETRY	
56	(38)	SIGNED	4	ATB_ALLOCATE_FAILURE_RETRY	
60	(3C)	SIGNED	4	ATB_CONVERSATION_TYPE_MISMATCH	
64	(40)	SIGNED	4	ATB_PIP_NOT_SPECIFIED_CORRECTLY	
68	(44)	SIGNED	4	ATB_SECURITY_NOT_VALID	
72	(48)	SIGNED	4	ATB_SYNC_LVL_NOT_SUPPORTED_PGM	
76	(4C)	SIGNED	4	ATB_TPN_NOT_RECOGNIZED	
80	(50)	SIGNED	4	ATB_TP_NOT_AVAILABLE_NO_RETRY	
84	(54)	SIGNED	4	ATB_TP_NOT_AVAILABLE_RETRY	
88	(58)	SIGNED	4	ATB_DEALLOCATED_ABEND	
92	(5C)	SIGNED	4	ATB_DEALLOCATED_NORMAL	
96	(60)	SIGNED	4	ATB_PARAMETER_ERROR	
100	(64)	SIGNED	4	ATB_PRODUCT_SPECIFIC_ERROR	
104	(68)	SIGNED	4	ATB_PROGRAM_ERROR_NO_TRUNC	
108	(6C)	SIGNED	4	ATB_PROGRAM_ERROR_PURGING	
112	(70)	SIGNED	4	ATB_PROGRAM_ERROR_TRUNC	
116	(74)	SIGNED	4	ATB_PROGRAM_PARAMETER_CHECK	
120	(78)	SIGNED	4	ATB_PROGRAM_STATE_CHECK	
124	(7C)	SIGNED	4	ATB_RESOURCE_FAILURE_NO_RETRY	
128	(80)	SIGNED	4	ATB_RESOURCE_FAILURE_RETRY	
132	(84)	SIGNED	4	ATB_UNSUCCESSFUL	
136	(88)	SIGNED	4	ATB_DEALLOCATED_ABEND_SVC	
140	(8C)	SIGNED	4	ATB_DEALLOCATED_ABEND_TIMER	
144	(90)	SIGNED	4	ATB_SVC_ERROR_NO_TRUNC	
148	(94)	SIGNED	4	ATB_SVC_ERROR_PURGING	
152	(98)	SIGNED	4	ATB_SVC_ERROR_TRUNC	

ATBSERV Cross Reference

Name	Hex Offset	Hex Value
ATB_ALLOCATE_FAILURE_NO_RETRY	34	1
ATB_ALLOCATE_FAILURE_RETRY	38	2
ATB_BASIC_CONVERSATION	2C	0
ATB_BUFFER_DATA	2C	0
ATB_COMPLETE_DATA_RECEIVED	2C	8
ATB_CONFIRM	2C	4
ATB_CONFIRM_DEALLOC_RECEIVED	2C	10
ATB_CONFIRM_DEALLOCATE_STATE	2C	20
ATB_CONFIRM_RECEIVED	2C	8
ATB_CONFIRM_SEND_RECEIVED	2C	C
ATB_CONFIRM_SEND_STATE	2C	1C
ATB_CONFIRM_STATE	2C	18
ATB_CONVERSATION_TYPE_MISMATCH	3C	3
ATB_DATA_RECEIVED	2C	4
ATB_DEALLOCATE_ABEND	2C	C
ATB_DEALLOCATE_CONFIRM	2C	8
ATB_DEALLOCATE_FLUSH	2C	4
ATB_DEALLOCATE_SYNC_LEVEL	2C	0
ATB_DEALLOCATED_ABEND	58	11
ATB_DEALLOCATED_ABEND_SVC	88	1E
ATB_DEALLOCATED_ABEND_TIMER	8C	1F
ATB_DEALLOCATED_NORMAL	5C	12
ATB_FILL_BUFFER	2C	4
ATB_FILL_LL	2C	0
ATB_FW0	0	0
ATB_FW1	4	1
ATB_FW100	24	64
ATB_FW101	28	65
ATB_FW102	2C	66
ATB_FW2	8	2
ATB_FW3	C	3
ATB_FW4	10	4
ATB_FW5	14	5
ATB_FW6	18	6
ATB_FW7	1C	7
ATB_FW8	20	8
ATB_IMMEDIATE	2C	4
ATB_INCOMPLETE_DATA_RECEIVED	2C	C
ATB_INITIALIZE_STATE	2C	8
ATB_LOCKS_LONG	2C	28
ATB_LOCKS_SHORT	2C	24
ATB_MAPPED_CONVERSATION	2C	4
ATB_NO_DATA_RECEIVED	2C	0
ATB_NO_STATUS_RECEIVED	2C	0
ATB_NONE	2C	0
ATB_NOTIFY_TYPE_ECB	2C	4
ATB_NOTIFY_TYPE_NONE	2C	0
ATB_OK	30	0
ATB_PARAMETER_ERROR	60	13
ATB_PIP_NOT_SPECIFIED_CORRECTLY	40	5
ATB_PREP_TO_RECEIVE_CONFIRM	2C	8
ATB_PREP_TO_RECEIVE_FLUSH	2C	4
ATB_PREP_TO_RECEIVE_SYNC_LEVEL	2C	0
ATB_PRODUCT_SPECIFIC_ERROR	64	14
ATB_PROGRAM_ERROR_NO_TRUNC	68	15
ATB_PROGRAM_ERROR_PURGING	6C	16
ATB_PROGRAM_ERROR_TRUNC	70	17
ATB_PROGRAM_PARAMETER_CHECK	74	18
ATB_PROGRAM_STATE_CHECK	78	19
ATB_RECEIVE_ERROR	2C	0
ATB_RECEIVE_STATE	2C	10
ATB_REQ_TO_SEND_NOT_RECEIVED	2C	0
ATB_REQ_TO_SEND_RECEIVED	2C	4
ATB_RESOURCE_FAILURE_NO_RETRY	7C	1A
ATB_RESOURCE_FAILURE_RETRY	80	1B
ATB_SECURITY_NONE	2C	24
ATB_SECURITY_NOT_VALID	44	6
ATB_SECURITY_PROGRAM	2C	2C
ATB_SECURITY_SAME	2C	28
ATB_SEND_AND_CONFIRM	2C	8
ATB_SEND_AND_DEALLOCATE	2C	10

Name	Hex Offset	Hex Value
ATB_SEND_AND_FLUSH	2C	4
ATB_SEND_AND_PREP_TO_RECEIVE	2C	C
ATB_SEND_ERROR	2C	4
ATB_SEND_PENDING_STATE	2C	14
ATB_SEND_RECEIVED	2C	4
ATB_SEND_STATE	2C	C
ATB_SVC_ERROR_NO_TRUNC	90	20
ATB_SVC_ERROR_PURGING	94	21
ATB_SVC_ERROR_TRUNC	98	22
ATB_SYNC_LVL_NOT_SUPPORTED_PGM	48	8
ATB_TP_NOT_AVAILABLE_NO_RETRY	50	A
ATB_TP_NOT_AVAILABLE_RETRY	54	B
ATB_TPN_NOT_RECOGNIZED	4C	9
ATB_UNSUCCESSFUL	84	1C
ATB_WHEN_CONWINNER_ALLOCATED	2C	24
ATB_WHEN_SESSION_ALLOCATED	2C	0

ATBXCFMS Programming Interface information

Programming Interface information

ATBXCFMS

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

- XCFMS_ATTACH_EXIT_DATA

End of Programming Interface information

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ATBXCFMS Heading Information

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

ATBXCFMS Map

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

Comment

APPC STATUS MESSAGE
This mapping will be for the APPC status message. This mapping will be defined right on top of the XCFMS_INFORMATION field. Those using this message need only to refer to the fields directly.
The message types are also defined here. They are:
APPC initialization message -> '00001000'X
APPC termination/norestart -> '00001001'X
APPC termination/restart -> '00001002'X

End of Comment

4	(4)	SIGNED	4	XCFMS_APPC_STATUS (0)	
4	(4)	CHARACTER	4	XCFMS_APPC_VERSION	The level of the APPC component active on the system
8	(8)	CHARACTER	8	XCFMS_APPC_TIME_STAMP	The time stamp, in TOD format, of the time APPC completed initialization or completed termination
16	(10)	CHARACTER	16	XCFMS_APPC_RESERVE	Reserved
32	(20)	CHARACTER	4	XCFMS_CURRENT_APPC_VERSION	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
32	(20)	X'1000'	0	XCFMS_APPC_INIT	"4096"
32	(20)	X'1001'	0	XCFMS_APPC_NORESTART	"4097"
32	(20)	X'1002'	0	XCFMS_APPC_RESTART	"4098"

Comment

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

End of Comment

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

Comment

Message type constants

End of Comment

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

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				ALLOCATE TP REQUEST MESSAGE HEADER This mapping will be for the Allocate TP Request Message header. This message will be accompanied by a longer message representing an Allocate TP request. The TPID in this header will represent the Transaction Program that this allocate request represents. This mapping will be defined right on top of the XCFMS_INFORMATION field. Those using this message need only to refer to these fields directly. The message types are also defined here. They are: ATTACH TP request -> '00000001'X	
				End of Comment	
4	(4)	SIGNED	4	XCFMS_ATTACH_HEADER	(0)
4	(4)	CHARACTER	8	XCFMS_ATTACH_TPID	The Transaction Program ID which uniquely identifies the TP created allocate TP request
12	(C)	ADDRESS	4	XCFMS_ATTACH_EXIT_DATA	Exit Data For this Attach Request, used for OpenEdition MVS Allocate_Conversation Exit
16	(10)	CHARACTER	8	XCFMS_APPC_NOTIFYEXIT_DATA	Control information used by APPC to communicate with its XCF Notification exit
24	(18)	CHARACTER	8	XCFMS_ATTACH_RESERVED	RESERVED space
				Comment	
				Message type constants	
				End of Comment	
24	(18)	X'1'	0	XCFMS_INBOUND_ATTACH	"1"

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XCFMS_INBOUND_FMH5	
0	(0)	SIGNED	4	(0)	Align on a word boundary
0	(0)	SIGNED	4	XCFMS_ATTACH_MSG	Message type '00000001'X -> allocate TP request
4	(4)	BITSTRING	4	XCFMS_ATTACH_FLAGS (0)	FMH-5 Attach flags
4	(4)	BITSTRING 1...	1	XCFMS_LOCALLU_NQN_CAPABLE	"X'80'" Indicates that the local lu is NQN Capable
5	(5)	BITSTRING	3		
8	(8)	CHARACTER	8	XCFMS_ATTACH_TIME_STAMP	The timestamp, in TOD clock format, of the time the allocate TP request entered the system
16	(10)	CHARACTER	8	XCFMS_LOCAL_LU	Name of the Local LU to which the attach request was directed.
24	(18)	CHARACTER	8	XCFMS_TP_ID	The Transaction Program ID which uniquely identifies the TP created by the allocate TP request
32	(20)	CHARACTER	8	XCFMS_CONV_ID	The Conversation_ID is a token that uniquely identifies a conversation to MVS. This token is the resource identifier of the conversation.
40	(28)	CHARACTER	8	XCFMS_MODE_NAME	The mode name designating the network properties for the session which was allocated for the conversation.
48	(30)	CHARACTER	17	XCFMS_PARTNER_LU	The fully-qualified name of the partner LU (i.e. the LU where the allocate request)
65	(41)	CHARACTER	1		Reserved - padding
66	(42)	SIGNED	2	XCFMS_CONV_CORR_LENGTH	The length of the Conversation Correlator located by the Conversation Correlator Offset.
68	(44)	CHARACTER	26	XCFMS_LUWID	The Logical Unit of Work ID is used to identify the most recent sync point and for accounting purposes. If an LUW_Identifier was not present in the allocate request this field will be zero.
94	(5E)	SIGNED	2	XCFMS_CONV_CORR_OFFSET	The offset into the message area where the Conversation Correlator is located. This field is zero if the Conversation Correlator is not available on FMH-5 request.
96	(60)	SIGNED	2	XCFMS_SECTOKN_OFFSET	The offset into the message area of the security token which identifies the security environment created for the user by RACF.
98	(62)	SIGNED	2	XCFMS_SECTOKN_LENGTH	The length of the security token located by the Security_token_offset.
100	(64)	SIGNED	2	XCFMS_PROFILE_OFFSET	The offset into the message area where the TP_Profile is located. This field is 0 if the TP_Profile was optional and was not found.
102	(66)	SIGNED	2	XCFMS_PROFILE_LENGTH	The length of the TP_Profile This field is 0 if the TP_Profile was optional and was not found.
104	(68)	SIGNED	2	XCFMS_ENVR_OFFSET	The offset into the message area where the ENVR Object is located. This field is 0 if the level of RACF required to support this is not present.
106	(6A)	SIGNED	2	XCFMS_ENVR_LENGTH	The length of the ENVR Object. This field is 0 if the level of RACF required to support this is not present.
108	(6C)	CHARACTER	108	XCFMS_PROFILE_KEY	The TP_Profile key used to search the TP_Profile data set for a TP_Profile.
216	(D8)	SIGNED	2	XCFMS_CONV_TYPE	

ATBXCFMS Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					The type of conversation for this TP.
218	(DA)	SIGNED	2	XCFMS_CONV_SYNC_LEVEL	
					The sync level associated with this TP.
220	(DC)	CHARACTER	16	XCFMS_CONTEXT_TOKEN	
					The context token representing the unit of work for the TP
236	(EC)	SIGNED	4	XCFMS_END (0)	End of static message section.
				Comment	
				The Attach Message conversation type constants.	
				End of Comment	
236	(EC)	SIGNED	2	XCFMS_BASIC	Basic conversation
238	(EE)	SIGNED	2	XCFMS_MAPPED	Mapped conversation
				Comment	
				The Attach Message conversation sync level constants.	
				End of Comment	
240	(F0)	SIGNED	2	XCFMS_NONE	Sync Level NONE
242	(F2)	SIGNED	2	XCFMS_CONFIRM	
					Sync Level CONFIRM
244	(F4)	SIGNED	2	XCFMS_SYNCPT	Sync Level SYNCPT

ATBXCFMS Cross Reference

Name	Hex Offset	Hex Value
XCFMS_ALT_LU	C	
XCFMS_APPC_INIT	20	1000
XCFMS_APPC_NORESTART	20	1001
XCFMS_APPC_NOTIFYEXIT_DATA	10	
XCFMS_APPC_RESERVE	10	
XCFMS_APPC_RESTART	20	1002
XCFMS_APPC_STATUS	4	
XCFMS_APPC_TIME_STAMP	8	
XCFMS_APPC_VERSION	4	
XCFMS_ATTACH_EXIT_DATA	C	
XCFMS_ATTACH_FLAGS	4	
XCFMS_ATTACH_HEADER	4	
XCFMS_ATTACH_MSG	0	
XCFMS_ATTACH_RESERVED	18	
XCFMS_ATTACH_TIME_STAMP	8	
XCFMS_ATTACH_TPID	4	
XCFMS_BASE_LU	4	80
XCFMS_BASIC	EC	0
XCFMS_CONFIRM	F2	1
XCFMS_CONTEXT_TOKEN	DC	
XCFMS_CONV_CORR_LENGTH	42	
XCFMS_CONV_CORR_OFFSET	5E	
XCFMS_CONV_ID	20	
XCFMS_CONV_SYNC_LEVEL	DA	
XCFMS_CONV_TYPE	D8	
XCFMS_CURRENT_APPC_VERSION	20	F0F0F0F1
XCFMS_END	EC	
XCFMS_ENVR_LENGTH	6A	
XCFMS_ENVR_OFFSET	68	
XCFMS_GENERIC_RESOURCE	14	
XCFMS_HEADER_LENGTH	4	20
XCFMS_INBOUND_ATTACH	18	1
XCFMS_INBOUND_FMH5	0	
XCFMS_INFORMATION	4	
XCFMS_LOCAL_LU	10	
XCFMS_LOCALLU_NQN_CAPABLE	4	80
XCFMS_LU_ACTIVE		

Name	Hex Offset	Hex Value
	18	2000
XCFMS_LU_FLAGS		
	4	
XCFMS_LU_MSG_TYPE		
	0	
XCFMS_LU_NAME		
	10	
XCFMS_LU_NOACTIVE		
	18	2001
XCFMS_LU_TIME_STAMP		
	8	
XCFMS_LU_USERVAR		
	4	
XCFMS_LUM_STATUS		
	4	
XCFMS_LUM_STATUS_MESSAGE		
	0	
XCFMS_LUWID	44	
XCFMS_MAPPED	EE	1
XCFMS_MESSAGE_TYPE		
	0	
XCFMS_MODE_NAME		
	28	
XCFMS_NONE	F0	0
XCFMS_NQN_CAPABLE		
	4	20
XCFMS_PARTNER_LU		
	30	
XCFMS_PROFILE_KEY		
	6C	
XCFMS_PROFILE_LENGTH		
	66	
XCFMS_PROFILE_OFFSET		
	64	
XCFMS_SECTOKN_LENGTH		
	62	
XCFMS_SECTOKN_OFFSET		
	60	
XCFMS_SHORT_MESSAGE_HEADER		
	0	
XCFMS_SYNCPT	F4	2
XCFMS_TP_ID	18	
XCFMS_TRANS_SCHED_NAME		
	18	
XCFMS_XRF_MSG_RESERVED		
	1C	

ATRFZQRY Programming Interface information

Programming Interface information

ATRFZQRY

End of Programming Interface information

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ATRFZQRY Heading Information

Common Name: RRS ATRQUERY Mappings and Constants
Macro ID: ATRFZQRY
DSECT Name: ATRFZRM, ATRFZUR, ATRFZURI
Owning Component: Resource Recovery Services (SCRRS)
Eye-Catcher ID: N/A
Offset: n/a
Length: n/a
Storage Attributes: Subpool: Determined by caller of ATRQUERY macro
Key: Determined by caller of ATRQUERY macro
Residency: Determined by caller of ATRQUERY macro
Size: ATRFZRM (64 bytes)
ATRFZUR (184 bytes)
ATRFZURI (120 bytes)
Created by: Callers of ATRQUERY macro
Pointed to by: AREAADDR parameter on ATRQUERY macro
Serialization: N/A
Function: This macro contains constants and declares for the ATRQUERY executable macro

ATRFZQRY Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRFZRM	
0	(0)	ADDRESS	4	ATRFZRMNEXT	Address/offset of the next ATRFZRM block or zero
4	(4)	BITSTRING	2	ATRFZRMFLAGS	Indicators
6	(6)	SIGNED	2	ATRFZRMVERSION	Version number
8	(8)	CHARACTER	32	ATRFZRMRMNAME	Resource manager name
40	(28)	CHARACTER	16	ATRFZRMRMTOKEN	Resource manager token
56	(38)	SIGNED	4	ATRFZRMRMSTATE	Resource managers state
60	(3C)	ADDRESS	4	ATRFZRMLGPTR	Address/offset of the system/logging group information
64	(40)	ADDRESS	4	ATRFZRMMETADATALEN	Length of the RM Meta Data information
68	(44)	ADDRESS	4	ATRFZRMMETADATALGPTR	Address/offset of the RM Meta Data information

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRFZUR	
0	(0)	ADDRESS	4	ATRFZURNEXT	Address/offset of the next ATRFZUR block or zero

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	BITSTRING	2	ATRFZURFLAGS	Indicators
4	(4)	BITSTRING	0	ATRFZURRESTARTLOG	"X'8000'" UR is only on the restart log
4	(4)	BITSTRING	0	ATRFZURDAMAGED	"X'4000'" UR is damaged
4	(4)	BITSTRING	0	ATRFZURHEURMIXED	"X'2000'" Heuristic mixed condition
4	(4)	BITSTRING	0	ATRFZURDEFERRED	"X'1000'" UR is Deferred
4	(4)	BITSTRING	0	ATRFZURMIXEDSTATES	"X'0800'" UR contains interests that are in mixed states
4	(4)	BITSTRING	0	ATRFZURCFAMILY	"X'0400'" UR is part of a cascaded UR family
4	(4)	BITSTRING	0	ATRFZURCASCADED	"X'0200'" UR is a child UR in a cascaded UR family
4	(4)	BITSTRING	0	ATRFZURFAMILYINCLUDE	"X'0100'" UR was included only because it is part of a cascaded UR family
		1...		ATRFZURMODELOCAL	"X'0080'" UR transaction mode is local
		.1..		ATRFZURMODEGLOBAL	"X'0040'" UR transaction mode is Global UR transaction mode is hybrid when MODELOCAL and MODEGLOBAL are both not set.
		..1.		ATRFZURSYSPLEXCASCADED	"X'0020'" UR is part of sysplex cascade
		...1		ATRFZURMAINLOG	"X'0010'" UR is from Main log
		.... 1...		ATRFZURDELAYEDLOG	"X'0008'" UR is from Delayed log
		.... .1..		ATRFZURDONOTDISPLAY	"X'0004'" UR is a duplicate, Do not use it
6	(6)	SIGNED	2	ATRFZURVERSION	UR version number
8	(8)	CHARACTER	16	ATRFZURURID	UR identifier
24	(18)	SIGNED	4	ATRFZURURSTATE	UR state
28	(1C)	SIGNED	4	ATRFZURURTYPE	UR type
32	(20)	CHARACTER	8	ATRFZURCRTIME	UR create time, in TOD format
40	(28)	SIGNED	2	ATRFZURASID	ASID that created the UR
42	(2A)	SIGNED	2	ATRFZURRSV1	Reserved
44	(2C)	SIGNED	4	ATRFZURPROTOCOL	UR protocol
48	(30)	SIGNED	4	ATRFZURLUWIDLEN	LUWID length
52	(34)	ADDRESS	4	ATRFZURLUWIDPTR	Address/offset of LUWID
56	(38)	SIGNED	4	ATRFZUREIDLEN	EID length
60	(3C)	ADDRESS	4	ATRFZUREIDPTR	Address/offset of EID
64	(40)	SIGNED	4	ATRFZURURICOUNT	Number of ATRFZURI blocks
68	(44)	ADDRESS	4	ATRFZURURIADDR	Address/offset of the first ATRFZURI block
72	(48)	BITSTRING	8	ATRFZURURFUNCMAP	UR function map
80	(50)	SIGNED	4	ATRFZURXIDLEN	XID length
84	(54)	ADDRESS	4	ATRFZURXIDPTR	Address/offset of XID
88	(58)	ADDRESS	4	ATRFZURTSTPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address/offset of ATRFZTST array
92	(5C)	CHARACTER	32	ATRFZURWMNAME	
					Work Manager name
124	(7C)	ADDRESS	4	ATRFZURLGPTR	Addr/offset of system/logging group info
128	(80)	CHARACTER	16	ATRFZURPARENTURID	
					UR ID of the parent of this UR
144	(90)	ADDRESS	4	ATRFZURCFMPTR	
					Addr/offset of ATRFZCFM array, zero if ATRFZURCFAMILY is 0
148	(94)	CHARACTER	32	ATRFZURSURID	Sysplex UR ID
180	(B4)	SIGNED	4	ATRFZURELEMENT_LEN	
					Total length of the returned info including the UR and URi info as well as the pdata for each URi

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
120	(78)	SIGNED	4	ATRFZURIPREPREPARE_RC	Pre-Prepare exit return code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRFZTST	
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING	2	ATRFZTSTFLAGS	Indicators
2	(2)	SIGNED	2	ATRFZTSTVERSION	TST Version Number
4	(4)	SIGNED	4	ATRFZTSTTYPE	Type of Timestamp Table 1=UR Timestamp Table 2=URI Timestamp Table
8	(8)	CHARACTER	8	ATRFZTSTSTRSCHK	Start GMT for State Check
16	(10)	CHARACTER	8	ATRFZTSTENDSCHK	End GMT for State Check
24	(18)	CHARACTER	8	ATRFZTSTSTRPRP	Start GMT for Prepare
32	(20)	CHARACTER	8	ATRFZTSTENDPRP	End GMT for Prepare
40	(28)	CHARACTER	8	ATRFZTSTSTRDBT	Start GMT for Doubt
48	(30)	CHARACTER	8	ATRFZTSTENDDBT	End GMT for Doubt
56	(38)	CHARACTER	8	ATRFZTSTSTRCMT	Start GMT for Commit
64	(40)	CHARACTER	8	ATRFZTSTENDCMT	End GMT for Commit
72	(48)	CHARACTER	8	ATRFZTSTSTRBAK	Start GMT for Backout
80	(50)	CHARACTER	8	ATRFZTSTENDBAK	End GMT for Backout
88	(58)	CHARACTER	8	ATRFZTSTSTREND	Start GMT for End
96	(60)	CHARACTER	8	ATRFZTSTENDEND	End GMT for End
104	(68)	CHARACTER	8	ATRFZTSTSTROLA	Start GMT for Only Agent
112	(70)	CHARACTER	8	ATRFZTSTENDOLA	End GMT for Only Agent
120	(78)	CHARACTER	8	ATRFZTSTSTRCMP	Start GMT for Completion
128	(80)	CHARACTER	8	ATRFZTSTENDCMP	End GMT for Completion
136	(88)	CHARACTER	8	ATRFZTSTSTRPPP	Start GMT for Pre-Prepare
144	(90)	CHARACTER	8	ATRFZTSTENDPPP	End GMT for Pre-Prepare

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

ATRFZQRY Map

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRFZRCA	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	8	ATRFZRCAGNAME	Logging Group name
8	(8)	CHARACTER	8	ATRFZRCASYSNAME	System name
16	(10)	SIGNED	4	ATRFZRCAATRRC	ATRQUERY/ATRSRV Return Code
20	(14)	SIGNED	4	ATRFZRCAATRRSN	ATRQUERY/ATRSRV Reason Code
24	(18)	SIGNED	4	ATRFZRCASERVICEID	Failing Service Identifier !
28	(1C)	SIGNED	4	ATRFZRCASERVICERC	Failing Service Return Code !
32	(20)	SIGNED	4	ATRFZRCASERVICERSN	Failing Service Reason Code !

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRFZCFM	
0	(0)	DBL WORD	8	(0)	
0	(0)	BITSTRING	2	ATRFZCFMFLAGS	Indicators
0	(0)	BITSTRING	0	ATRFZCFMPARENTNOTMAPPED	"X'8000'" The parent of this UR is not included in the output area
0	(0)	BITSTRING	0	ATRFZCFMSIBNOTMAPPED	

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

ATRFZQRY Cross Reference

Name	Hex Offset	Hex Value
ATRFZCFM	0	
ATRFZCFMCHILDNOTMAPPED	0	2000
ATRFZCFMCHILDPTR	C	
ATRFZCFMFLAGS	0	
ATRFZCFMPARENTNOTMAPPED	0	8000
ATRFZCFMPRNTPTR	4	
ATRFZCFMSIBNOTMAPPED	0	4000
ATRFZCFMSIBPTR	8	
ATRFZCFMVERSION	2	
ATRFZLG	0	
ATRFZLGFLAGS	0	
ATRFZLGGNAME	10	
ATRFZLGSYSNAME	8	
ATRFZLGTYPE	4	
ATRFZLGVERSION	2	
ATRFZRCA	0	
ATRFZRCAATRRC	10	
ATRFZRCAATRRSN	14	
ATRFZRCAGNAME	0	
ATRFZRCASERVICEID	18	
ATRFZRCASERVICERC	1C	
ATRFZRCASERVICERSN	20	
ATRFZRCASYSNAME	8	
ATRFZRM	0	
ATRFZRMFLAGS	4	
ATRFZRMLGPTR	3C	
ATRFZRMMETADATALEN	40	
ATRFZRMMETADATALGPTR	44	
ATRFZRMNEXT	0	
ATRFZRMRMNAME	8	
ATRFZRMRMSTATE	38	
ATRFZRMRMTOKEN	28	
ATRFZRMVERSION	6	
ATRFZSI	0	
ATRFZSIFLAGS	4	
ATRFZSIGNAME	28	
ATRFZSIMEMNAME	10	
ATRFZSIMEMSTATE	20	
ATRFZSIMEMSTATE_ACTIVE	20	1
ATRFZSINEXT	0	
ATRFZSIRSVD	21	
ATRFZSISYSNAME	8	
ATRFZSIVERSION	6	
ATRFZSRT	0	
ATRFZSRTKEY	0	
ATRFZSRTOPTIONS	4	
ATRFZTST	0	
ATRFZTSTENDBAK	50	
ATRFZTSTENDCMP	80	
ATRFZTSTENDCMT	40	

Name	Hex Offset	Hex Value
ATRFZTSTENDDBT	30	
ATRFZTSTENDEND	60	
ATRFZTSTENDOLA	70	
ATRFZTSTENDPPP	90	
ATRFZTSTENDPRP	20	
ATRFZTSTENDSCHK	10	
ATRFZTSTFLAGS	0	
ATRFZTSTSTRBAK	48	
ATRFZTSTSTRCMP	78	
ATRFZTSTSTRCMT	38	
ATRFZTSTSTRDBT	28	
ATRFZTSTSTREND	58	
ATRFZTSTSTROLA	68	
ATRFZTSTSTRPPP	88	
ATRFZTSTSTRPRP	18	
ATRFZTSTSTRSCHK	8	
ATRFZTSTTYPE	4	
ATRFZTSTVERSION	2	
ATRFZUR	0	
ATRFZURASID	28	
ATRFZURCASCADED	4	200
ATRFZURCFAMILY	4	400
ATRFZURCFMPTR	90	
ATRFZURCRTIME	20	
ATRFZURDAMAGED	4	4000
ATRFZURDEFERRED	4	1000
ATRFZURDELAYEDLOG	4	8
ATRFZURDONOTDISPLAY	4	4
ATRFZUREIDLEN	38	
ATRFZUREIDPTR	3C	
ATRFZURELEMENT_LEN	B4	
ATRFZURFAMILYINCLUDE	4	100
ATRFZURFLAGS	4	
ATRFZURHEURMIXED	4	2000
ATRFZURI	0	
ATRFZURIBACKOUT_RC	50	
ATRFZURICOMMIT_RC	4C	
ATRFZURICOMPLETION_RC	58	
ATRFZURIDEFERRED	4	40
ATRFZURIDISTSYNCPOINT_RC	60	
ATRFZURIEND_RC	54	
ATRFZURIEXITFAILED_RC	64	
ATRFZURIFLAGS	4	
ATRFZURIINTTYPE	38	
ATRFZURINEXT	0	
ATRFZURIONLYAGENT_RC	5C	
ATRFZURIPIDLEN	70	
ATRFZURIPIDPTR	74	
ATRFZURIPREPARE_RC	48	
ATRFZURIPREPREPARE_RC	78	
ATRFZURIPROTOCOL	3C	
ATRFZURIRMNAME	18	
ATRFZURIROLE	40	
ATRFZURIRSTRTREQ	4	80
ATRFZURISTATE	6C	
ATRFZURISTATECHECK_RC	44	
ATRFZURITOKEN	8	
ATRFZURITSTPTR	68	
ATRFZURIVERSION	6	
ATRFZURLGPTR	7C	
ATRFZURLUWIDLEN	30	
ATRFZURLUWIDPTR	34	
ATRFZURMAINLOG	4	10
ATRFZURMIXEDSTATES	4	800
ATRFZURMODEGLOBAL	4	40
ATRFZURMODELOCAL	4	80
ATRFZURNEXT	0	
ATRFZURPARENTURID	80	
ATRFZURPROTOCOL	2C	
ATRFZURRESTARTLOG		

Name	Hex Offset	Hex Value
	4	8000
ATRFZURRSV1	2A	
ATRFZURSURID	94	
ATRFZURSYSPLEXCASCADED		
	4	20
ATRFZURTSTPTR		
	58	
ATRFZURURFUNCMAP		
	48	
ATRFZURURIADDR		
	44	
ATRFZURURICOUNT		
	40	
ATRFZURURID	8	
ATRFZURURSTATE		
	18	
ATRFZURURTYPE		
	1C	
ATRFZURVERSION		
	6	
ATRFZURWMNAME		
	5C	
ATRFZURXIDLEN		
	50	
ATRFZURXIDPTR		
	54	
ATRFZWM	0	
ATRFZWMFLAGS	4	
ATRFZWMLGPTR	28	
ATRFZWMNEXT	0	
ATRFZWMVERSION		
	6	
ATRFZWMWMNAME		
	8	

ATRFZSRV Programming Interface information

Programming Interface information

ATRFZSRV

End of Programming Interface information

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ATRFZSRV Heading Information

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

ATRFZSRV Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	ATRSRV_SUCCESS	"0" Function completed successfully
0	(0)	X'4'	0	ATRSRV_WARNING	"4" Function completed with warnings
0	(0)	X'8'	0	ATRSRV_FAILURE	"8" Function failed
				Comment	
				Reason codes	
				End of Comment	
0	(0)	X'1'	0	ATRSRV_UR_NOT_IN_DOUBT	"1" The specified UR is not In-Doubt
0	(0)	X'2'	0	ATRSRV_RM_IS_ACTIVE	"2" The REMOVINT or REMOVRM function was requested for an active resource manager.
0	(0)	X'3'	0	ATRSRV_RRS_NOT_ACTIVE	"3" RRS is not active
0	(0)	X'4'	0	ATRSRV_UR_HAS_DSRM	"4" A REMOVINT function was requested for the DSRM of a In-Doubt UR.
0	(0)	X'5'	0	ATRSRV_BAD_REMOVINT_PARM	"5" At least one of RMNAME or URID must be specified with REMOVINT.
0	(0)	X'6'	0	ATRSRV_URID_NOT_VALID	"6" The input URID is invalid or the associated UR does not exist
0	(0)	X'7'	0	ATRSRV_RID_NOT_SUPPORTED	"7" Commit/Backout processing not supported for this UR
0	(0)	X'8'	0	ATRSRV_URID_NOT_FOUND	"8" The UR can not be found for the input URID
0	(0)	X'9'	0	ATRSRV_NO_UR_FOR_RM	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"9" There are no URs associated with this resource manager
0	(0)	X'A'	0	ATRSRV_NOT_AUTH	
					"10" The caller is not supervisor state, key 0-7
0	(0)	X'B'	0	ATRSRV_NOT_SAF_AUTH	
					"11" The caller does not have ALTER access to RRS commands
0	(0)	X'C'	0	ATRSRV_RRS_DOWNLEVEL	
					"12" RRS on this system is downlevel and cannot honor the function
0	(0)	X'F'	0	ATRSRV_GNAME_INVALID	
					"15" The specified GNAME does not exist or is not valid with the SYSNAME specified !
0	(0)	X'10'	0	ATRSRV_SYSNAME_INVALID	
					"16" The specified SYSNAME does not exist or is not valid with the GNAME specified !
0	(0)	X'16'	0	ATRSRV_INSTANCE_FAILURE	
					"22" Error(s) occurred in the remote request !
0	(0)	X'17'	0	ATRSRV_REMOTE_WARNING	
					"23" Error(s) occurred on some systems involved in the request !
0	(0)	X'18'	0	ATRSRV_REMOTE_ERROR	
					"24" Error(s) occurred on all systems involved in the request !
0	(0)	X'19'	0	ATRSRV_RESP_NOT_RECEIVED	
					"25" Response not received from the remote system !
0	(0)	X'1A'	0	ATRSRV_REMOTE_NOT_ACTIVE	
					"26" The remote system is not active !
0	(0)	X'1B'	0	ATRSRV_UR_HAS_NO_INT	
					"27" No interests were found for UR !
0	(0)	X'1C'	0	ATRSRV_UR_NOT_TOP	
					"28" UR must be top for this function!
0	(0)	X'1D'	0	ATRSRV_RIN_NOT_SUPPORTED	
					"29" Remove Interest processing not supported for this UR
0	(0)	X'1E'	0	ATRSRV_RMSTILLHASINTERESTS	
					"30" Delete RM cannot be completed since the RM has interests in one or more UR. !
0	(0)	X'1F'	0	ATRSRV_RMISNOTKNOWNTORRS	
					"31" The RM specified on the Delete RM request could not be found in the RM Data log or as an RM object. !
0	(0)	X'20'	0	ATRSRV_DELETERMOBJECTNOTSUPPORTED	
					"32" The RM was deleted from the RRS logs, but one or more systems in the logging group do not support Delete RM so if the RM storage was on those systems, that storage will persist. !
0	(0)	X'21'	0	ATRSRV_ERRORDELETEINGRMLOGENTRY	
					"33" The RM was not deleted due to errors deleting the RM from the RRS logs. Try the request again. !
0	(0)	X'22'	0	ATRSRV_DELETERMNOTSUPPORTED	
					"34" The RM cannot be deleted since it is on a system that does not support the Delete RM function. !
0	(0)	X'FFF'	0	ATRSRV_UNEXPECTED_ERROR	
					"4095" An unexpected error ocurred !

ATRFZSRV Cross Reference

Name	Hex Offset	Hex Value
ATRSRV_BAD_REMOVINT_PARM	0	5
ATRSRV_DELETERMNOTSUPPORTED	0	22
ATRSRV_DELETERMOBJECTNOTSUPPORTED	0	20
ATRSRV_ERRORDELETEINGRMLOGENTRY	0	21
ATRSRV_FAILURE	0	8
ATRSRV_GNAME_INVALID	0	F
ATRSRV_INSTANCE_FAILURE	0	16
ATRSRV_NO_UR_FOR_RM	0	9
ATRSRV_NOT_AUTH	0	A
ATRSRV_NOT_SAF_AUTH	0	B
ATRSRV_REMOTE_ERROR	0	18
ATRSRV_REMOTE_NOT_ACTIVE	0	1A
ATRSRV_REMOTE_WARNING	0	17
ATRSRV_RESP_NOT_RECEIVED	0	19
ATRSRV_RID_NOT_SUPPORTED	0	7
ATRSRV_RIN_NOT_SUPPORTED	0	1D
ATRSRV_RM_IS_ACTIVE	0	2
ATRSRV_RMISNOTKNOWNTORRS	0	1F
ATRSRV_RMSTILLHASINTERESTS	0	1E
ATRSRV_RRS_DOWNLEVEL	0	C
ATRSRV_RRS_NOT_ACTIVE	0	3
ATRSRV_SUCCESS	0	0
ATRSRV_SYSNAME_INVALID	0	10
ATRSRV_UNEXPECTED_ERROR	0	FFF
ATRSRV_UR_HAS_DSRM	0	4
ATRSRV_UR_HAS_NO_INT	0	1B
ATRSRV_UR_NOT_IN_DOUBT	0	1
ATRSRV_UR_NOT_TOP	0	1C
ATRSRV_URID_NOT_FOUND	0	8
ATRSRV_URID_NOT_VALID	0	6
ATRSRV_WARNING	0	4

ATRRASM Programming Interface information

Programming Interface information

ATRRASM

End of Programming Interface information

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ATRRASM Heading Information

Common Name: RRS Assembler Declares
Macro ID: ATRRASM
DSECT Name: ATRXPARMLIST, ATREINTPARMLIST, ATRDINTPARMLIST, ATRPDUEPARMLIST, ATRIBRSPARMLIST, ATRIERSPARMLIST, ATRIRNIPARMLIST, ATRIRRIPARMLIST, ATRIRLNPARMLIST, ATRISLNPARMLIST, ATRREICPARMLIST, ATRRIDPARMLIST, ATRRURDPARMLIST, ATRRUSIPARMLIST, ATRRWIDPARMLIST, ATRSITPARMLIST, ATRSPIDPARMLIST, ATRSROIPARMLIST, ATRSSPCPARMLIST, ATRSUSIPARMLIST, ATRSWIDPARMLIST, ATRBACKPARMLIST, ATRCMITPARMLIST, ATRRURD1PARMLIST, ATRRURD2PARMLIST, ATRCCUR2PARMLIST, ATREINT2PARMLIST, ATRSUSI2PARMLIST, ATRRUSI2PARMLIST, ATRSWID2PARMLIST, ATRRWID2PARMLIST, ATRSPSP2PARMLIST, ATRDPSP2PARMLIST, ATRABCKPARMLIST, ATRACMTPARMLIST, ATRADCTPARMLIST, ATRADCT1PARMLIST, ATRAFGTPARMLIST, ATRAPRPPARMLIST, ATRXPARMEXITFLAGS
Owning Component: RRS (SCRRS)
Eye-Catcher ID: none
Storage Attributes: Subpool: ATRXPARMLIST and ATRXPARMEXITFLAGS (241) Other DSECTS (Determined by caller of ATR callable service)
Key: ATRXPARMLIST and ATRXPARMEXITFLAGS (key of Resource Manager when it set exits with RRS/MVS) Other DSECTS (Determined by caller of ATR callable service)
Residency: ATRXPARMLIST and ATRXPARMEXITFLAGS (above) Other DSECTS (Determined by caller of ATR callable service)

Size:
ATRXPARMLIST (56 bytes)
ATREINTPARMLIST (56 bytes)
ATRDINTPARMLIST (8 bytes)
ATRPDUEPARMLIST (16 bytes)
ATRIBRSPARMLIST (8 bytes)
ATRIERSPARMLIST (8 bytes)
ATRIRNIPARMLIST (40 bytes)
ATRIRRIPARMLIST (16 bytes)
ATRIRLNPARMLIST (28 bytes)
ATRISLNPARMLIST (16 bytes)
ATRREICPARMLIST (12 bytes)
ATRRIDPARMLIST (36 bytes)
ATRRURDPARMLIST (16 bytes)
ATRRUSIPARMLIST (20 bytes)
ATRRWIDPARMLIST (32 bytes)
ATRSITPARMLIST (28 bytes)
ATRSPIDPARMLIST (16 bytes)
ATRSROIPARMLIST (36 bytes)
ATRSSPCPARMLIST (24 bytes)
ATRSUSIPARMLIST (16 bytes)
ATRSWIDPARMLIST (24 bytes)
ATRBACKPARMLIST (4 bytes)
ATRCMITPARMLIST (4 bytes)
ATRRURD1PARMLIST(20 bytes)
ATRRURD2PARMLIST(24 bytes)
ATRCCUR2PARMLIST(20 bytes)
ATREINT2PARMLIST(72 bytes)
ATRSUSI2PARMLIST(16 bytes)
ATRRUSI2PARMLIST(20 bytes)
ATRSWID2PARMLIST(24 bytes)
ATRRWID2PARMLIST(32 bytes)
ATRSPSP2PARMLIST(12 bytes)
ATRDPSP2PARMLIST(12 bytes)
ATRABCKPARMLIST(12 bytes)
ATRACMTPARMLIST(12 bytes)
ATRADCTPARMLIST(12 bytes)
ATRADCT1PARMLIST(16 bytes)
ATRAFGTPARMLIST(12 bytes)
ATRAPRPPARMLIST(12 bytes)
ATRXPARMEXITFLAGS (4 bytes)

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

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

Serialization:
n/a

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

ATRRASM Map

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'A0000'	0	ATR_REIC_PRIM_ADDR	"655360" ('000A0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'A0001'	0	ATR_REIC_NOT_ADDR	"655361" ('000A0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'B0000'	0	ATR_RID_PRIM_ADDR	"720896" ('000B0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'B0001'	0	ATR_RID_NOT_ADDR	"720897" ('000B0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'C0000'	0	ATR_RURD_PRIM_ADDR	"786432" ('000C0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'C0001'	0	ATR_RURD_NOT_ADDR	"786433" ('000C0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'D0000'	0	ATR_RUSI_PRIM_ADDR	"851968" ('000D0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'D0001'	0	ATR_RUSI_NOT_ADDR	"851969" ('000D0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'E0000'	0	ATR_RWID_PRIM_ADDR	"917504" ('000E0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'E0001'	0	ATR_RWID_NOT_ADDR	"917505" ('000E0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'F0000'	0	ATR_SIT_PRIM_ADDR	"983040" ('000F0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'F0001'	0	ATR_SIT_NOT_ADDR	"983041" ('000F0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'100000'	0	ATR_SPID_PRIM_ADDR	"1048576" ('00100000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'100001'	0	ATR_SPID_NOT_ADDR	"1048577" ('00100001'X) The parameters passed by the caller are not addressable.
0	(0)	X'110000'	0	ATR_SROI_PRIM_ADDR	"1114112" ('00110000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'110001'	0	ATR_SROI_NOT_ADDR	"1114113" ('00110001'X) The parameters passed by the caller are not addressable.
0	(0)	X'120000'	0	ATR_SSPC_PRIM_ADDR	"1179648" ('00120000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'120001'	0	ATR_SSPC_NOT_ADDR	"1179649" ('00120001'X) The parameters passed by the caller are not addressable.
0	(0)	X'130000'	0	ATR_SUSI_PRIM_ADDR	"1245184" ('00130000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'130001'	0	ATR_SUSI_NOT_ADDR	"1245185" ('00130001'X) The parameters passed by the caller are not addressable.
0	(0)	X'140000'	0	ATR_SWID_PRIM_ADDR	"1310720" ('00140000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'140001'	0	ATR_SWID_NOT_ADDR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"1310721" ('00140001'X) The parameters passed by the caller are not addressable.
0	(0)	X'150000'	0	ATR_SEIF_REMD_BAD_RC	"1376256" ('00150000'X) The CRGREMD call issued during CRGSEIF processing returned unacceptable return code
0	(0)	X'150001'	0	ATR_SEIF_SEMD_BAD_RC	"1376257" ('00150001'X) The CRGSEMD call issued during CRGSEIF processing returned unacceptable return code

Comment

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

End of Comment

0	(0)	X'1A0000'	0	ATR_ABAK_PRIM_ADDR	"1703936" ('001A0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1A0001'	0	ATR_ABAK_NOT_ADDR	"1703937" ('001A0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1B0000'	0	ATR_ACMT_PRIM_ADDR	"1769472" ('001B0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1B0001'	0	ATR_ACMT_NOT_ADDR	"1769473" ('001B0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1C0000'	0	ATR_AFGT_PRIM_ADDR	"1835008" ('001C0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1C0001'	0	ATR_AFGT_NOT_ADDR	"1835009" ('001C0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1D0000'	0	ATR_APRP_PRIM_ADDR	"1900544" ('001D0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1D0001'	0	ATR_APRP_NOT_ADDR	"1900545" ('001D0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1E0000'	0	ATR_ALCC_PRIM_ADDR	"1966080" ('001E0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1E0001'	0	ATR_ALCC_NOT_ADDR	"1966081" ('001E0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'1F0000'	0	ATR_CCUR_PRIM_ADDR	"2031616" ('001F0000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'1F0001'	0	ATR_CCUR_NOT_ADDR	"2031617" ('001F0001'X) The parameters passed by the caller are not addressable.
0	(0)	X'200000'	0	ATR_SPSP_PRIM_ADDR	"2097152" ('00200000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'200001'	0	ATR_SPSP_NOT_ADDR	"2097153" ('00200001'X) The parameters passed by the caller are not addressable.
0	(0)	X'210000'	0	ATR_DPSP_PRIM_ADDR	"2162688" ('00210000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'210001'	0	ATR_DPSP_NOT_ADDR	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"2162689" ('00210001'X) The parameters passed by the caller are not addressable.
0	(0)	X'220000'	0	ATR_ADCT_PRIM_ADDR	"2228224" ('00220000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'220001'	0	ATR_ADCT_NOT_ADDR	"2228225" ('00220001'X) The parameters passed by the caller are not addressable.
0	(0)	X'230000'	0	ATR_BEG_PRIM_ADDR	"2293760" ('00230000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'230001'	0	ATR_BEG_NOT_ADDR	"2293761" ('00230001'X) The parameters passed by the caller are not addressable.
0	(0)	X'240000'	0	ATR_END_PRIM_ADDR	"2359296" ('00240000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'240001'	0	ATR_END_NOT_ADDR	"2359297" ('00240001'X) The parameters passed by the caller are not addressable.
				Comment	
'0025nnnn'X reason codes not being used.					
				End of Comment	
0	(0)	X'260000'	0	ATR_SENV_PRIM_ADDR	"2490368" ('00260000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'260001'	0	ATR_SENV_NOT_ADDR	"2490369" ('00260001'X) The parameters passed by the caller are not addressable.
0	(0)	X'270000'	0	ATR_RENV_PRIM_ADDR	"2555904" ('00270000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'270001'	0	ATR_RENV_NOT_ADDR	"2555905" ('00270001'X) The parameters passed by the caller are not addressable.
0	(0)	X'280000'	0	ATR_SDTA_PRIM_ADDR	"2621440" ('00280000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'280001'	0	ATR_SDTA_NOT_ADDR	"2621441" ('00280001'X) The parameters passed by the caller are not addressable.
0	(0)	X'290000'	0	ATR_RDTA_PRIM_ADDR	"2686976" ('00290000'X) The parameters passed by the caller are not in the primary address space.
0	(0)	X'290001'	0	ATR_RDTA_NOT_ADDR	"2686977" ('00290001'X) The parameters passed by the caller are not addressable.
				Comment	
		Constants			
				End of Comment	
0	(0)	X'0'	0	ATR_IMMED	"0" ('00000000'X) Immediate
0	(0)	X'1'	0	ATR_DEFER_MULT	"1" ('00000001'X) Defer
0	(0)	X'2'	0	ATR_DEFER_SINGLE	"2" ('00000002'X) Defer Single
0	(0)	X'0'	0	ATR_UNCONDITIONAL	"0" ('00000000'X) Unconditional
0	(0)	X'1'	0	ATR_CONDITIONAL	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"1" ('00000001'X) Conditional
0	(0)	X'1'	0	ATR_STATE_CHECK_EXIT	
					"1" ('00000001'X) STATE_CHECK exit
0	(0)	X'2'	0	ATR_PREPARE_EXIT	
					"2" ('00000002'X) PREPARE exit
0	(0)	X'3'	0	ATR_DISTRIBUTED_SYNCPOINT_EXIT	
					"3" ('00000003'X) DISTRIBUTED_ SYNCPOINT exit
0	(0)	X'4'	0	ATR_COMMIT_EXIT	
					"4" ('00000004'X) COMMIT exit
0	(0)	X'5'	0	ATR_BACKOUT_EXIT	
					"5" ('00000005'X) BACKOUT exit
0	(0)	X'6'	0	ATR_END_UR_EXIT	
					"6" ('00000006'X) END_UR exit
0	(0)	X'7'	0	ATR_EXIT_FAILED_EXIT	
					"7" ('00000007'X) EXIT_FAILED exit
0	(0)	X'8'	0	ATR_COMPLETION_EXIT	
					"8" ('00000008'X) COMPLETION exit
0	(0)	X'9'	0	ATR_ONLY_AGENT_EXIT	
					"9" ('00000009'X) ONLY_AGENT exit
0	(0)	X'A'	0	ATR_SUBORDINATE_FAILED_EXIT	
					"10" ('0000000A'X) SUBORDINATE FAILED exit This replaces ATR_FLIGHT_EXIT which was not being used.
0	(0)	X'B'	0	ATR_PRE_PREPARE_EXIT	
					"11" ('0000000B'X) PRE_PREPARE Exit
0	(0)	X'1'	0	ATR_EXIT_TYPE_SRB	
					"1" ('00000001'X) SRB type exit routine
0	(0)	X'2'	0	ATR_EXIT_TYPE_PC	
					"2" ('00000002'X) PC type exit routine
				Comment	
				Define ATR_EXIT_TYPE_PCS as constant 4 to make it consistent with the CRG_EXIT_TYPE_PCS which is defined for registration services. Note constant 3 being used for CRG_EXIT_TYPE_BALR in registration services	
				End of Comment	
0	(0)	X'4'	0	ATR_EXIT_TYPE_PCS	
					"4" ('00000004'X) PC type exit routine with a sequence number
0	(0)	X'0'	0	ATR_FAIL_STANDARD	
					"0" ('00000000'X) Standard processing
0	(0)	X'1'	0	ATR_FAIL_FUTURE	
					"1" ('00000001'X) Fail future commit requests
0	(0)	X'2'	0	ATR_FAIL_FORGET	
					"2" ('00000002'X) Forget interest
0	(0)	X'1'	0	ATR_EXIT_RC_NOT_VALID	
					"1" ('00000001'X) Return Code Not Valid
0	(0)	X'2'	0	ATR_EXIT_ABENDED	
					"2" ('00000002'X) Exit Routine Abended without a reason code
0	(0)	X'3'	0	ATR_REDRIVE_LIMIT	
					"3" ('00000003'X) Redrive Limit Exceeded
0	(0)	X'4'	0	ATR_RC_INCORRECT_AFTER_POST	
					"4" ('00000004'X) Return Code Incorrect After Post
0	(0)	X'5'	0	ATR_MEMTERM	"5" ('00000005'X) Memory Termination
0	(0)	X'6'	0	ATR_FORGET_NOT_VALID	
					"6" ('00000006'X) Could not forget due to role
0	(0)	X'7'	0	ATR_EXIT_ABENDED_RSN	
					"7" ('00000007'X) Exit Routine Abended with a reason code
0	(0)	X'8'	0	ATR_ASYNC_ABEND	
					"8" ('00000008'X) Asynchronous ABEND while waiting for ATRPDUE: The Srb or task which requested the syncpoint was asynchronously ABENDed while RRS was waiting for an ATRPDUE from an exit or an exit returned ATRX_LATER while RRS was processing an asynchronously ABENDed syncpoint.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'9'	0	ATR_ASYNC_ABEND_RSN	"9" ('00000009'X) Asynchronous ABEND while waiting for ATRPDUE: The Srb or task which requested the syncpoint was asynchronously ABENDed while RRS was waiting for an ATRPDUE from an exit or an exit returned ATRX_LATER while RRS was processing an asynchronously ABENDed syncpoint. The ABEND code was associated with a reason code.
0	(0)	X'A'	0	ATR_ASYNC_MEMTERM	"10" ('0000000A'X) The srb or task which requested the syncpoint had for an ATRPDUE from an exit or an exit returned ATRX_LATER while RRS processing a memtermed syncpoint.
0	(0)	X'B'	0	ATR_ALREADY_DEFERRED	"11" ('0000000B'X) The resource manager has already requested RRS to defer this exit for this expression of interest
0	(0)	X'C'	0	ATR_ALL_DEFERRED	"12" ('0000000C'X) The resource manager has already requested RRS to defer this exit for all of its expressions of interest
0	(0)	X'D'	0	ATR_DEFER_NOT_VALID	"13" ('0000000D'X) The resource manager has already requested RRS to defer this exit while the exit has previously completed for on of the resource manager's expression of interest
0	(0)	X'E'	0	ATR_DEFER_SRB_NOT_VALID	"14" ('0000000E'X) The resource manager requested RRS to defer the SRB exit routine. SRB exit routines cannot be deferred.
0	(0)	X'0'	0	ATR_DO_NOT_GENERATE	"0" ('00000000'X) Do not generate
0	(0)	X'1'	0	ATR_GENERATE	"1" ('00000001'X) Generate
0	(0)	X'0'	0	ATR_UNPROTECTED	"0" ('00000000'X) Unprotected
0	(0)	X'1'	0	ATR_PROTECTED	"1" ('00000001'X) Protected
0	(0)	X'2'	0	ATR_PROT_LOGGED	"2" ('00000002'X) Protected and logged
0	(0)	X'0'	0	ATR_DEFER	"0" ('00000000'X) unit of recovery log record may be logically deleted.
0	(0)	X'0'	0	ATR_DEFER_IMPLICIT	"0" ('00000000'X) ATRAFGT will not be issued.
0	(0)	X'1'	0	ATR_DEFER_EXPLICIT	"1" ('00000001'X) ATRAFGT will be issued
0	(0)	X'2'	0	ATR_IMMEDIATE	"2" ('00000002'X) Delete SDSRM expression of interest in unit of recovery log record and remove SDSRM interest.
0	(0)	X'0'	0	ATR_BACKOUT_OK	"0" ('00000000'X) OK
0	(0)	X'FFF'	0	ATR_DRIVE_BACKOUT_EXIT	"4095" ('00000FFF'X) Invoke BACKOUT exit
0	(0)	X'0'	0	ATR_COMMIT_OK	"0" ('00000000'X) OK
0	(0)	X'FFF'	0	ATR_DRIVE_COMMIT_EXIT	"4095" ('00000FFF'X) Invoke COMMIT exit
0	(0)	X'0'	0	ATR_PREPARE_OK	"0" ('00000000'X) OK
0	(0)	X'14'	0	ATR_PREPARE_ABSTAIN	"20" ('00000014'X) ABSTAIN
0	(0)	X'FFF'	0	ATR_DRIVE_PREPARE_EXIT	"4095" ('00000FFF'X) Invoke PREPARE exit
0	(0)	X'1'	0	ATR_NO_MORE_THAN_ONE_INTEREST	"1" ('00000001'X) No more than one
0	(0)	X'2'	0	ATR_MULTIPLE_INTERESTS	"2" ('00000002'X) Multiple
0	(0)	X'0'	0	ATR_RESPOND_CONTINUE	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"0" ('00000000'X) Continue
0	(0)	X'1'	0	ATR_RESPOND_COMPLETE	
					"1" ('00000001'X) Complete
0	(0)	X'0'	0	ATR_CURRENT	"0" ('00000000'X) Current
0	(0)	X'1'	0	ATR_NEXT	"1" ('00000001'X) Next
0	(0)	X'0'	0	ATR_UNSET_STATE	
					"0" ('00000000'X) Unset
0	(0)	X'1'	0	ATR_SET_STATE	
					"1" ('00000001'X) Set
0	(0)	X'2'	0	ATR_RESTART_STATE	
					"2" ('00000002'X) Restart
0	(0)	X'3'	0	ATR_RESTART_COMPLETE_STATE	
					"3" ('00000003'X) Restart Complete
0	(0)	X'4'	0	ATR_RUN_STATE	
					"4" ('00000004'X) Run
0	(0)	X'5'	0	ATR_UNSET_IN_PROGRESS_STATE	
					"5" ('00000005'X) Unset
0	(0)	X'6'	0	ATR_RESET_STATE	
					"6" ('00000006'X) Reset
0	(0)	X'7'	0	ATR_RESTART_IN_PROGRESS_STATE	
					"7" ('00000007'X) Restart In Progress
0	(0)	X'0'	0	ATR_PARTICIPANT	
					"0" ('00000000'X) participant
0	(0)	X'1'	0	ATR_LAST_AGENT	
					"1" ('00000001'X) last agent participant
0	(0)	X'2'	0	ATR_DSRM	"2" ('00000002'X) distributed syncpoint resource manager
0	(0)	X'3'	0	ATR_SDSRM	"3" ('00000003'X) server distributed syncpoint resource manager
0	(0)	X'0'	0	ATR_HEURISTIC_MIX	
					"0" ('00000000'X) heuristic-mixed
0	(0)	X'1'	0	ATR_BACKOUT_REQUIRED	
					"1" ('00000001'X) backout required
0	(0)	X'10'	0	ATR_BREAK_TREE	
					"16" ('00000010'X) break tree
0	(0)	X'11'	0	ATR_DRIVE_BACKOUT	
					"17" ('00000011'X) drive backout
0	(0)	X'12'	0	ATR_RESYNC_IN_PROGRESS	
					"18" ('00000012'X) resync in progress
0	(0)	X'13'	0	ATR_NEW_LUWID_PSH_UNACCEPTABLE	
					"19" ('00000013'X) new LUWID Presentation Header (PSH) unacceptable
0	(0)	X'14'	0	ATR_DRIVE_COMPLETION	
					"20" ('00000014'X) drive completion
0	(0)	X'15'	0	ATR_SDSRM_INITIATED	
					"21" ('00000015'X) SDSRM initiated syncpoint
0	(0)	X'16'	0	ATR_RESOLVED_BY_INSTALLATION	
					"22" ('00000016'X) UR resolved by installation
0	(0)	X'17'	0	ATR_TERM_SYNCPOINT	
					"23" ('00000017'X) Terminating syncpoint
0	(0)	X'18'	0	ATR_COMMITTED	
					"24" ('00000018'X) UR was committed
0	(0)	X'20'	0	ATR_IMMEDIATE_BACKOUT	
					"32" ('00000020'X) Immediate backout
0	(0)	X'21'	0	ATR_APPL_COMPLETE	
					"33" ('00000021'X) Application Complete
0	(0)	X'22'	0	ATR_RESET_APPL_COMPLETE	
					"34" ('00000022'X) Reset Application Complete
0	(0)	X'23'	0	ATR_SI_LOCAL_MODE	
					"35" ('00000023'X) Local Transaction Mode
0	(0)	X'24'	0	ATR_SI_GLOBAL_MODE	
					"36" ('00000024'X) Global Transaction Mode
0	(0)	X'0'	0	ATR_SIDE_VALUE_NOT_SET	
					"0" ('00000000'X) Side value not set
0	(0)	X'1'	0	ATR_SIDE_VALUE_SET	
					"1" ('00000001'X) Side value set

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	ATR_PRESUMED_NOTHING	"0" ('00000000'X) presumed nothing
0	(0)	X'1'	0	ATR_PRESUMED_ABORT	"1" ('00000001'X) presumed abort
0	(0)	X'0'	0	ATR_NORMAL_INTEREST	"0" ('00000000'X) Normal expression of interest
0	(0)	X'1'	0	ATR_RESTART_INTEREST	"1" ('00000001'X) Restart expression of interest
0	(0)	X'0'	0	ATR_IN_RESET	"0" ('00000000'X) In_Reset
0	(0)	X'1'	0	ATR_IN_FLIGHT	"1" ('00000001'X) In_Flight
0	(0)	X'2'	0	ATR_IN_STATE_CHECK	"2" ('00000002'X) In_State_Check
0	(0)	X'3'	0	ATR_IN_PREPARE	"3" ('00000003'X) In_Prepare
0	(0)	X'4'	0	ATR_IN_DOUBT	"4" ('00000004'X) In_Doubt
0	(0)	X'5'	0	ATR_IN_COMMIT	"5" ('00000005'X) In_Commit
0	(0)	X'6'	0	ATR_IN_BACKOUT	"6" ('00000006'X) In_Backout
0	(0)	X'7'	0	ATR_IN_END	"7" ('00000007'X) In_End
0	(0)	X'8'	0	ATR_IN_ONLY_AGENT	"8" ('00000008'X) In_Only_Agent
0	(0)	X'9'	0	ATR_IN_COMPLETION	"9" ('00000009'X) In_Completion
0	(0)	X'A'	0	ATR_FORGOTTEN	"10" ('0000000A'X) Forgotten
0	(0)	X'B'	0	ATR_IN_FORGET	"11" ('0000000B'X) In_Forget
0	(0)	X'C'	0	ATR_PREFLIGHT	"12" ('0000000C'X) Preflight
0	(0)	X'A'	0	ATR_MIN_LUWID_LENGTH	"10" ('0000000A'X) Minimum LUWID length
0	(0)	X'C'	0	ATR_MIN_EID_LENGTH	"12" ('0000000C'X) Minimum EID length
0	(0)	X'D'	0	ATR_MIN_XID_LENGTH	"13" ('0000000D'X) Minimum XID length
0	(0)	X'1A'	0	ATR_MAX_LUWID_LENGTH	"26" ('0000001A'X) Maximum LUWID length
0	(0)	X'2C'	0	ATR_MAX_EID_LENGTH	"44" ('0000002C'X) Maximum EID length
0	(0)	X'8C'	0	ATR_MAX_XID_LENGTH	"140" ('0000008C'X) Maximum XID length
0	(0)	X'0'	0	ATR_LUWID	"0" ('00000000'X) LU 6.2 logical unit of work ID
0	(0)	X'1'	0	ATR_EID	"1" ('00000001'X) Enterprise identifier
0	(0)	X'2'	0	ATR_XID	"2" ('00000002'X) X/Open identifier
0	(0)	X'1'	0	ATRXVERSION1	"1" ('00000001'X) Version number
0	(0)	X'40'	0	ATR_MAX_RM_LOGNAME_LENGTH	"64" ('00000040'X) Maximum length of an RM logname
0	(0)	X'1000'	0	ATR_MAX_PDATA_LENGTH	"4096" ('00001000'X) Maximum persistent data length
0	(0)	X'2000'	0	ATR_8K_RM_METADATA_LENGTH	"8192" ('00002000'X) The length of 8K worth of data
0	(0)	X'2000'	0	ATR_MAX_RM_METADATA_LENGTH	"8192" ('00002000'X) Maximum length of the RM MetaData
0	(0)	X'0'	0	ATR_STANDARD_STATES	"0" ('00000000'X) Standard states
0	(0)	X'1'	0	ATR_EXTENDED_STATES	"1" ('00000001'X) Extended states
0	(0)	X'0'	0	ATR_NO_FAMILY	"0" ('00000000'X) UR is not to be cascaded
0	(0)	X'1'	0	ATR_CASCADED	"1" ('00000001'X) UR is a cascaded-UR
0	(0)	X'0'	0	ATR_NOT_SET	"0" ('00000000'X) Remove setting
0	(0)	X'1'	0	ATR_COMMIT_ACTION	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"1" ('00000001'X) Commit any UR's
0	(0)	X'2'	0	ATR_ROLLBACK_ACTION	
					"2" ('00000002'X) Rollback any UR's
0	(0)	X'0'	0	ATR_ENVIRONMENT_NOT_SET	
					"0" ('00000000'X) Environment was not set
0	(0)	X'1'	0	ATR_GLOBAL_MODE	
					"1" ('00000001'X) Unit of recovery=Global
0	(0)	X'2'	0	ATR_LOCAL_MODE	
					"2" ('00000002'X) Unit of recovery=Local
0	(0)	X'3'	0	ATR_HYBRID_GLOBAL_MODE	
					"3" ('00000003'X) Unit of recovery=Hybrid
0	(0)	X'1'	0	ATR_ADDRESS_SPACE_SCOPE	
					"1" ('00000001'X) address space env scope
0	(0)	X'2'	0	ATR_CONTEXT_SCOPE	
					"2" ('00000002'X) context env scope
0	(0)	X'3'	0	ATR_DEFAULT_SCOPE	
					"3" ('00000003'X) UR env scope
0	(0)	X'1'	0	ATR_TRAN_MODE_SETTING	
					"1" ('00000001'X) transaction mode
0	(0)	X'2'	0	ATR_NORM_CTX_END_SETTING	
					"2" ('00000002'X) end context action
0	(0)	X'1'	0	ATR_UNPROTECTED_SETTING	
					"1" ('00000001'X) setting is not protected
0	(0)	X'2'	0	ATR_PROTECTED_SETTING	
					"2" ('00000002'X) Setting is protected

Comment

Mask constants for ATRRUSF
ATRRUSF returns information about the UR by setting selected bits
in a 4-byte field. Some bits are not used. Here is a map of what
bits are used.
0000 0000 0000 0mmm 0000 000r 0ccc 0www
Legend:
0 = Bit is not used.
m = Used to provide info about the UR's mode
r = Used to say whether UR_State = in_reset
c = Used to say how many interests exist
w = Used to say who must coordinate

End of Comment

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

Comment

Bits used to say how many interests exist.

End of Comment

0	(0)	X'10'	0	ATR_ZERO_INTEREST_COUNT_MASK	
					"16" ('00000010'X) For Atrrusf1 callers. There are no interests in the current UR. This information is returned if the caller specifies the ATR_INTEREST_COUNT_MASK in the side_information_options.
0	(0)	X'20'	0	ATR_ONE_INTEREST_COUNT_MASK	
					"32" ('00000020'X) For Atrrusf1 callers. Only one resource manager has expressed only one interest in the UR. This information is returned if the caller specifies the ATR_INTEREST_COUNT_MASK in the side_information_options.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	X'40'	0	ATR_MULTIPLE_INTEREST_COUNT_MASK	"64" ('00000040'X) For Atrrusf1 callers. There are two or more interests in the UR: Either 1 RM has multiple interests, or multiple RMs have one or more interests. This information is returned if the caller specifies the ATR_INTEREST_COUNT_MASK in the side_information_options.
				Comment	
				Bit used to say whether UR_State = in_reset	
				End of Comment	
0	(0)	X'100'	0	ATR_UR_STATE_IN_RESET_MASK	"256" ('00000100'X) When set, the UR is in In-Reset state. Otherwise, the state is In-Flight or beyond
				Comment	
				Bits used to provide info about mode	
				End of Comment	
0	(0)	X'10000'	0	ATR_GLOBAL_MODE_MASK	"65536" ('00010000'X) UR transaction mode is Global
0	(0)	X'20000'	0	ATR_LOCAL_MODE_MASK	"131072" ('00020000'X) UR transaction mode is Local
0	(0)	X'40000'	0	ATR_HYBRID_GLOBAL_MODE_MASK	"262144" ('00040000'X) UR transaction mode is Global, however resource managers may exhibit proprietary transactional behaviors.
0	(0)	X'1'	0	ATR_INTEREST_COUNT_MASK	"1" ('00000001'X) For Atrrusf1 callers. An RM uses this mask to set input parameter side_information_options. When side_information_options = 1, it means RRS should tell the caller if there are 0 interests, 1 interest, or more than 1 interest in the UR associated with the input context.
				Comment	
				Mask constants for ATRADCT1	
				End of Comment	
0	(0)	X'0'	0	ATR_STANDARD_COMMIT_MASK	"0" ('00000000'X) The SDSRM wants RRS to perform a normal delegated commit processing (NOT remove its interest)
0	(0)	X'0'	0	ATR_REMOVE_SDSRM_INTEREST_MASK	"268435456" ('10000000'X) The SDSRM wants RRS to remove its interest in the UR and let other resource manager(s) take responsibility for making the commit or backout decision.
				Comment	
				Mask constants for ATREINT5	
				End of Comment	
0	(0)	X'0'	0	ATR_UNCOND_INT_MASK	"0" ('00000000'x) The resource manager is expressing unconditional interest in the UR. RRS is to create a new interest, even if the resource already has an interest in the UR.
0	(0)	X'0'	0	ATR_CONDITIONAL_INT_MASK	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"268435456" ('10000000'X) The resource manager is expressing conditional interest in the UR. RRS is not to create a new interest if the resource manager already has an interest in the UR. Instead, RRS should return information about the resource managers existing interest. If the resource manager has more than one interest, the information returned will pertain to a random interest.
0	(0)	X'0'	0	ATR_UNPROT_INT_MASK	"0" ('00000000'X) The resource manager is expressing an unprotected interest in the UR.
0	(0)	X'0'	0	ATR_PROTECTED_INT_MASK	"16777216" ('01000000'X) The resource manager is expressing protected interest in the UR.
0	(0)	X'0'	0	ATR_STANDARD_FAIL_MASK	"0" ('00000000'X) The resource manager wants RRS to do its standard processing if the resource manager fails.
0	(0)	X'100000'	0	ATR_REMOVE_INT_ON_FAIL_MASK	"1048576" ('00100000'X) The resource manager wants RRS to remove its interest in the UR if the resource manager fails. One may only be specified if the resource manager is expressing unprotected interest.
0	(0)	X'0'	0	ATR_IGNORE_SUBORDINATE_FAILURE_MASK	"0" ('00000000'X) The resource manager does not want RRS to drive its subordinate failed exit.
0	(0)	X'200000'	0	ATR_NOTIFY_SUBORDINATE_FAILURE_MASK	"2097152" ('00200000'X) The resource manager wants RRS to drive its subordinate failed exit.
0	(0)	X'0'	0	ATR_COMMIT_NO_PRIORITY	"0" ('00000000'X) The resource manager does not have a tier 1 priority commit exit.
0	(0)	X'20000'	0	ATR_COMMIT_TIER_ONE_PRIORITY	"131072" ('00020000'X) The resource manager wants its commit exit driven before any SRB mode exits and tier 2 (normal) priority commit exits.
0	(0)	X'0'	0	ATR_PRESUME_NOTHING_MASK	"0" ('00000000'X) The resource manager wants RRS to treat this expression of interest as needing presume nothing logging.
0	(0)	X'10000'	0	ATR_PRESUME_ABORT_MASK	"65536" ('00010000'X) The resource manager wants RRS to treat this expression of interest as needing presume abort logging.
0	(0)	X'0'	0	ATR_CREATE_STANDARD_UR_MASK	"0" ('00000000'X) RRS is not to create the UR as a cascaded UR.
0	(0)	X'1000'	0	ATR_CREATE_CASCADED_UR_MASK	"4096" ('00001000'X) RRS is to create the UR as a cascaded UR. parent_ur_token specifies the UR token of the parent of the new cascaded UR. One may only be specified if the UR in which interest is being expressed is in-reset.
0	(0)	X'0'	0	ATR_DONT_END_CONTEXT_MASK	"0" ('00000000'X) RRS will not end the work context associated with the UR to which interest is being expressed when the UR completes.
0	(0)	X'100'	0	ATR_END_CONTEXT_MASK	"256" ('00000100'X) RRS will end the work context associated with the UR to which interest is being expressed when the UR completes. It is strongly recommended that this option only be used by the resource manager which owns the work context.
0	(0)	X'0'	0	ATR_STANDARD_XID_MASK	"0" ('00000000'X) RRS will do its standard XID processing.
0	(0)	X'10'	0	ATR_USE_BQUAL_MASK	

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"1028" ('00000404'X) The resource manager has completed its EXIT_FAILED processing and has determined that it should be unset.
0	(0)	X'0'	0	ATR_OK	"0" ('00000000'X) Successful completion.
0	(0)	X'4'	0	ATR_NO_MORE_INCOMPLETE_INTERESTS	"4" ('00000004'X) There are no more incomplete expressions of interest for this resource manager.
0	(0)	X'5'	0	ATR_PARTIAL_PERSISTENT_DATA	"5" ('00000005'X) The persistent_interest_buffer_length value is less than the actual length of the persistent interest data. RRS/MVS fills the buffer with as much data as fits and returns the actual length in persistent_interest_data_length.
0	(0)	X'6'	0	ATR_RM_LOGNAME_NOT_SET	"6" ('00000006'X) The resource manager has not set a resource manager logname.
0	(0)	X'7'	0	ATR_REQUESTED_WID_UNAVAILABLE	"7" ('00000007'X) The requested work identifier has not yet been set or generated and the generate_option indicated a new work identifier should not be generated. RRS/MVS returns hex zeroes in the uwid_data field.
0	(0)	X'8'	0	ATR_FORGET	"8" ('00000008'X) The prepare operation completed successfully. The collective prepare vote allows the unit of recovery to be completed and all resource managers voted to abstain or forget. The unit of recovery is now In_Forget.
0	(0)	X'8'	0	ATR_RM_ALREADY_HAS_INTEREST	"8" ('00000008'X) The resource manager already has an expression of interest in this UR.
0	(0)	X'9'	0	ATR_PARTIAL_RM_LOGNAME	"9" ('00000009'X) The rm_logname_buffer_len value is less that the actual length of the RM logname. RRS/MVS fills the buffer with as much data as fits and returns the actual length in rm_logname_length.
0	(0)	X'A'	0	ATR_PARTIAL_UWID_DATA	"10" ('0000000A'X) The uwid_buffer_len value is less than the actual length of the uwid_data. RRS/MVS fills the buffer with as much data as fits and returns the actual length in uwid_len.
0	(0)	X'B'	0	ATR_PARTIAL_RM_METADATA	"11" ('0000000B'X) The RM_MetaData_Buffer_Len value is less than the actual length of the resource manager's metadata. RRS/MVS fills the buffer with as much data as fits and returns the actual length in RM_MetaData_Len.
0	(0)	X'10'	0	ATR_OK_NO_CONTEXT	"16" ('00000010'X) The operation completed successfully, but there is no longer a context associated with the unit of recovery
0	(0)	X'11'	0	ATR_FORGET_NOT_REQUIRED	"17" ('00000011'X) The forget operation is not valid since the log option was not set to ATR_Defer_Explicit
0	(0)	X'65'	0	ATR_COMMITTED_OUTCOME_PENDING	"101" ('00000065'X) The commit operation completed. The RRS/MVS decision was to advance to a consistent state. However, the state of one or more of the protected resources is not known.
0	(0)	X'66'	0	ATR_COMMITTED_OUTCOME_MIXED	"102" ('00000066'X) The commit operation completed. The RRS/MVS decision was to advance to a consistent state. However, one or more of the protected resources has been returned to the previous consistent state.
0	(0)	X'C8'	0	ATR_PROGRAM_STATE_CHECK	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"200" ('000000C8'X) The commit operation failed. The consistency state of the protected resources has not been altered. This return code indicates one of the following conditions has occurred: A protected resource, specifically a Communications Interface conversation, is not in Send, Send Pending, Defer Receive, Defer Allocate, Sync_Point, Sync_Point Send, or Sync_Point Deallocate state. A protected resource, specifically a local resource, is not in the proper state for a Commit.
0	(0)	X'101'	0	ATR_ASCMODE_INV	"257" ('00000101'X) The caller is in an unsupported ASC Mode.
0	(0)	X'103'	0	ATR_INTERRUPT_STATUS_INV	"259" ('00000103'X) The caller is disabled.
0	(0)	X'104'	0	ATR_MODE_INV	"260" ('00000104'X) The caller is not in task mode.
0	(0)	X'105'	0	ATR_LOCKS_HELD	"261" ('00000105'X) The caller is holding one or more locks.
0	(0)	X'107'	0	ATR_UNSUPPORTED_RELEASE	"263" ('00000107'X) The release of MVS does not support this service. The service stub has been linked on a system that does not support RRS/MVS.
0	(0)	X'109'	0	ATR_ENVIRONMENT_INV	"265" ('00000109'X) The call is performed from a suspend exit or from a PURGEDQed SRB
0	(0)	X'12C'	0	ATR_BACKED_OUT	"300" ('0000012C'X) The commit operation failed. All protected resources have been returned to the previous consistent state.
0	(0)	X'12D'	0	ATR_BACKED_OUT_OUTCOME_PENDING	"301" ('0000012D'X) The commit operation failed. The RRS/MVS decision was to return to the previous consistent state. However, the state of one or more of the protected resources is not known.
0	(0)	X'12E'	0	ATR_BACKED_OUT_OUTCOME_MIXED	"302" ('0000012E'X) The commit operation failed. The RRS/MVS decision was to return to the previous consistent state. However, one or more of the protected resources has advanced to a new synchronization state.
0	(0)	X'301'	0	ATR_RM_TOKEN_INV	"769" ('00000301'X) The resource_manager_token supplied is not a valid resource manager token.
0	(0)	X'361'	0	ATR_CONTEXT_TOKEN_INV	"865" ('00000361'X) The context token specified does not represent a valid context.
0	(0)	X'362'	0	ATR_STOKEN_INV	"866" ('00000362'X) The stoken parameter specified is incorrect. The caller is unauthorized and the stoken does not address the home address space.
0	(0)	X'363'	0	ATR_TRAN_MODE_INV	"867" ('00000363'X) The transaction mode option specified in the call was not valid.
0	(0)	X'364'	0	ATR_ENV_SETTING_ID_INV	"868" ('00000364'X) The caller specifiec an environment setting id parameter that is not valid.
0	(0)	X'365'	0	ATR_ENV_SETTING_INV	"869" ('00000365'X) The caller specifiec an environment setting parameter that is not valid.
0	(0)	X'366'	0	ATR_SCOPE_INV	"870" ('00000366'X) The identifier for the scope parameter specified in the call is not valid. The system rejects the service call.
0	(0)	X'36A'	0	ATR_DU_TERMINATING	"874" ('0000036A'X) The dispatchable unit associated with or to be associated with the specified context is terminating.
0	(0)	X'36B'	0	ATR_ACTION_INV	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"875" ('0000036B'X) The value specified for the ACTION parameter is invalid.
0	(0)	X'36C'	0	ATR_PROTLEVEL_INV	"876" ('0000036C'X) Program error. The value specified in the environment settings protection parameter is not valid. The system rejects the service call.
0	(0)	X'370'	0	ATR_URI_TOKEN_INV	"880" ('00000370'X) The URI_TOKEN specified does not represent a valid expression of interest. This may occur after RRS/MVS has terminated and restarted.
0	(0)	X'371'	0	ATR_INTEREST_TYPE_INV	"881" ('00000371'X) The specified interest_type value is not valid for this service.
0	(0)	X'372'	0	ATR_FAILURE_ACTION_INV	"882" ('00000372'X) The specified failure_action value is not valid.
0	(0)	X'373'	0	ATR_PREPARE_CODE_INV	"883" ('00000373'X) The specified prepare_exit_code value is not valid.
0	(0)	X'374'	0	ATR_COMMIT_CODE_INV	"884" ('00000374'X) The specified commit_exit_code value is not valid.
0	(0)	X'375'	0	ATR_TWO_PHASE_PROTOCOL_INV	"885" ('00000375'X) The specified two phase protocol value is not valid.
0	(0)	X'376'	0	ATR_PERSISTENT_DATA_LEN_INV	"886" ('00000376'X) The specified persistent interest data length is not valid.
0	(0)	X'377'	0	ATR_UWID_LEN_INV	"887" ('00000377'X) The specified uwid_len is not valid.
0	(0)	X'378'	0	ATR_EXIT_NUMBER_INV	"888" ('00000378'X) The exit number specified is not valid.
0	(0)	X'379'	0	ATR_COMP_CODE_INV	"889" ('00000379'X) The completion code specified is not valid for the exit routine being posted.
0	(0)	X'37A'	0	ATR_RM_LOGNAME_INV	"890" ('0000037A'X) The resource manager logname specified is not valid.
0	(0)	X'37B'	0	ATR_RM_LOGNAME_LEN_INV	"891" ('0000037B'X) The resource manager logname length specified is not valid.
0	(0)	X'37C'	0	ATR_RM_LOGNAME_BUF_LEN_INV	"892" ('0000037C'X) The specified rm_logname_buffer_len is not valid.
0	(0)	X'37D'	0	ATR_PERSIS_DATA_BUF_LEN_INV	"893" ('0000037D'X) The specified persistent_interest_buffer_length is not valid.
0	(0)	X'37E'	0	ATR_RETRIEVE_OPTION_INV	"894" ('0000037E'X) The specified retrieve_option is not valid.
0	(0)	X'37F'	0	ATR_SET_OPTION_INV	"895" ('0000037F'X) The specified set_option is not valid.
0	(0)	X'380'	0	ATR_UWID_TYPE_INV	"896" ('00000380'X) The specified uwid_type is not valid.
0	(0)	X'381'	0	ATR_LATER_INV	"897" ('00000381'X) The specified completion_code (ATRX_LATER or ATRX_LATER_CONTINUE) is not allowed on this service.
0	(0)	X'382'	0	ATR_UWID_BUF_LEN_INV	"898" ('00000382'X) The specified uwid_buffer_len is not valid.
0	(0)	X'383'	0	ATR_SIDE_INFO_ID_INV	"899" ('00000383'X) A unit of recovery side information id in the side_info_id_array is not valid.
0	(0)	X'384'	0	ATR_RESPONSE_CODE_INV	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"900" ('00000384'X) The specified response_code value is not valid.
0	(0)	X'385'	0	ATR_RESPONSE_CODE_INCORRECT	"901" ('00000385'X) The specified response_code value is not valid for this UR state.
0	(0)	X'386'	0	ATR_FAILURE_ACTION_INCORRECT	"902" ('00000386'X) The specified failure_action value is not valid for the specified interest type.
0	(0)	X'387'	0	ATR_PREPARE_CODE_INCORRECT	"903" ('00000387'X) The specified prepare_exit_code value is not valid when the UR state is In_Prepare.
0	(0)	X'388'	0	ATR_GENERATE_OPTION_INV	"904" ('00000388'X) The specified generate_option is not valid.
0	(0)	X'389'	0	ATR_PERSISTENT_DATA_NOT_ALLOWED	"905" ('00000389'X) The resource manager specified a persistent interest data length greater than zero for an unprotected expression of interest.
0	(0)	X'38A'	0	ATR_RM_METADATA_LEN_INV	"906" ('0000038A'X) The resource manager metadata length specified is not valid.
0	(0)	X'38B'	0	ATR_RM_METADATA_BUFFER_LEN_INV	"907" ('0000038B'X) The length of the resource manager metadata buffer is not valid.
0	(0)	X'38C'	0	ATR_RM_METADATA_LOG_UNAVAILABLE	"908" ('0000038C'X) A MetaData callable service failed since the resource manager MetaData log stream is not available. Check SYSLOG for messages ATR132I or ATR172E that will further explain why the log is unavailable.
0	(0)	X'38D'	0	ATR_RM_8K_METADATA_NOT_ALLOWED	"909" ('0000038D'X) The resource manager did not set the ATR_8K_RM_METADATA_REQUESTED flag on CRGSEIF so the resource manager cannot set or retrieve 8K Meta Data.
0	(0)	X'390'	0	ATR_ROLE_INV	"912" ('00000390'X) The specified role is not valid.
0	(0)	X'391'	0	ATR_MULTIPLE_INTEREST_OPTION_INV	"913" ('00000391'X) The specified multiple_interest_option is not valid.
0	(0)	X'392'	0	ATR_ELEMENT_COUNT_INV	"914" ('00000392'X) The specified element_count is not valid.
0	(0)	X'393'	0	ATR_LUWID_DATA_INV	"915" ('00000393'X) The LUWID specified in uwid_data is not valid. The first byte of this data must contain a valid length of an LU name (a value from 1 to 17).
0	(0)	X'394'	0	ATR_BACKOUT_CODE_INV	"916" ('00000394'X) The specified backout_exit_code value is not valid.
0	(0)	X'395'	0	ATR_LOG_OPT_INV	"917" ('00000395'X) The specified log_option value is not valid.
0	(0)	X'396'	0	ATR_FLIGHT_OPTION_INV	"918" ('00000396'X) The specified flight_option is not valid.
0	(0)	X'397'	0	ATR_XID_DATA_INV	"919" ('00000397'X) The xid specified in uwid_data is not valid. The computed length of the XID does not match the specified length passed via the uwid_len parameter
0	(0)	X'398'	0	ATR_STATES_OPTION_INV	"920" ('00000398'X) The specified states_option is not valid.
0	(0)	X'399'	0	ATR_UR_FAMILY_OPTION_INV	"921" ('00000399'X) The UR family option specified in the call is not valid
0	(0)	X'39A'	0	ATR_PARENT_UR_TOKEN_INV	"922" ('0000039A'X) The UR token specified in the parent_ur_token parameter is not valid
0	(0)	X'39B'	0	ATR_CHILD_CONTEXT_TOKEN_INV	"923" ('0000039B'X) The context token specified in the child_context_ token parameter is not valid

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'39C'	0	ATR_XID_LENGTH_INV	"924" ('0000039C'X) The XID length specified in the call is not valid
0	(0)	X'39D'	0	ATR_XID_INV	"925" ('0000039D'X) The XID specified in the call is not valid
0	(0)	X'39E'	0	ATR_PARENT_DU_TERMINATING	"926" ('0000039E'X) The task associated with the UR specified by the parent_ur_token parameter is ending
0	(0)	X'39F'	0	ATR_CHILD_DU_TERMINATING	"927" ('0000039F'X) The task associated with the UR specified by the parent_ur_token parameter is ending
0	(0)	X'3A0'	0	ATR_SAME_CURRENT_CONTEXT_INV	"928" ('000003A0'X) The UR token specified in the parent_ur_token parameter and the context token specified in the child_context_parameter are zero
0	(0)	X'3A1'	0	ATR_SAME_PARENT_CONTEXT_INV	"929" ('000003A1'X) The UR token specified in the parent_ur_token parameter is 0. The current context associated with the parent UR and the context represented by child_context_ token is the same
0	(0)	X'3A2'	0	ATR_SAME_CHILD_CONTEXT_INV	"930" ('000003A2'X) The child context token specified in the child_context_token parameter is 0. The current context associated with the child and the context represented by the parent_ur_token is the same
0	(0)	X'3A3'	0	ATR_UR_TOKEN_INV	"931" ('000003A3'X) The UR token specified in the call does not identify a valid UR
0	(0)	X'3A4'	0	ATR_PARENT_AUTH_FAILURE	"932" ('000003A4'X) The caller, which is PKM 8-15 problem state, specified a parent UR token of a UR associated with a context which does not belong to a PKM 8-15 problem state resource manager registered in the home address space and which is not a native context in the home address space.
0	(0)	X'3A5'	0	ATR_CHILD_AUTH_FAILURE	"933" ('000003A5'X) The caller, which is PKM 8-15 problem state, specified a child context token of a context which does not belong to a PKM 8-15 problem state resource manager registered in the home address space and which is not a native context in the home address space.
0	(0)	X'3A6'	0	ATR_PET_INV	"934" ('000003A6'X) The PET specified in the call is not valid.
0	(0)	X'3A7'	0	ATR_PET_OUTDATED	"935" ('000003A7'X) The PET specified in the call is outdated.
0	(0)	X'3A8'	0	ATR_PET_AUTH_FAILURE	"936" ('000003A8'X) An unauthorized caller tried to use an authorized PET
0	(0)	X'3A9'	0	ATR_PET_SPACE_FAILURE	"937" ('000003A9'X) An unauthorized caller tried to use a PET belonging to a different address space
0	(0)	X'3AA'	0	ATR_PET_NOT_ASSOCIATED	"938" ('000003AA'X) The specified PET does not represent a Pause Element associated with the specified UR
0	(0)	X'3AB'	0	ATR_AUTH_FAILURE	"939" ('000003AB'X) The caller, which is PKM 8-15 problem state, specified a UR token of a UR associated with a context which does not belong to a PKM 8-15 problem state resource manager registered in the home address space and which is not a native context in the home address space.
0	(0)	X'3AC'	0	ATR_INTEREST_OPTIONS_INV	"940" ('000003AC'X) (940) The interest-options value specified in the call is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3AD'	0	ATR_CREATE_OPTIONS_INV	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"941" ('000003AD'X) (940) The create-options value specified in the call is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3AE'	0	ATR_COMMIT_OPTIONS_INV	"942" ('000003AE'X) The specified commit_options value is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3AF'	0	ATR_SIDE_INFORMATION_OPTIONS_INVALID	"943" ('000003AF'X) For Atrrusf1 callers. The specified side_information_options value is not valid. Either reserved bits were nonzero or an unacceptable selection of options and parameters were specified.
0	(0)	X'3B0'	0	ATR_XID_EXISTS	"944" ('000003B0'X) Program error. The resource manager specified an XID when the UR already had an XID. The system rejects the service call. URI_Token.
0	(0)	X'3B1'	0	ATR_SUBORDINATE_FAILED_EXIT_NOT_DEFINED	"945" ('000003B1'X) Program error. The resource manager specified a subordinate failed exit be driven, but did not provide the exit. The system rejects the service call.
0	(0)	X'3B2'	0	ATR_SUBORDINATE_FAILED_EXIT_INV	"946" ('000003B2'X) Program error. The resource manager specified a subordinate failed exit be driven, but is expressing interest in a cascaded UR. The system rejects the service call.
0	(0)	X'3B3'	0	ATR_COMMIT_TIER_ONE_SRB_INV	"947" ('000003B3'X) Program error. The resource manager specified a Tier 1 request for an SRB Commit Exit routine. The system rejects the service call.
0	(0)	X'3B4'	0	ATR_AUTH_FAILURE_RETRIEVE_OPTION	"948" ('000003B4'X) The caller, which is PKM 8-15 problem state, specified a retrieve_option not equal to ATR_CURRENT. Only ATR_CURRENT can be specified when the caller is PKM 8-15 problem state. To use other retrieve_option's the caller must be PKM allowing key 0-7, or supervisor state.
0	(0)	X'3B5'	0	ATR_AUTH_FAILURE_GENERATE_OPTION	"949" ('000003B5'X) The caller, which is PKM 8-15 - problem state, specified a generate_option not equal to ATR_DO_NOT_GENERATE. Only ATR_DO_NOT_GENERATE can be specified when the caller is PKM 8-15 problem state. To use other retrieve_option's the caller must be PKM allowing key 0-7, or supervisor state.
0	(0)	X'3B7'	0	ATR_COMMIT_TIER_ONE_MISMATCH	"951" ('000003B7'X) Program error. The resource manager expressed interest conditionally and an expression of interest already exists. The Tier level specified by the RM does not match the tier level already set in that interest. The system rejects the service call.
0	(0)	X'701'	0	ATR_RM_STATE_ERROR	"1793" ('00000701'X) The Resource Manager is not in a valid state to complete the request.
0	(0)	X'702'	0	ATR_RM_EXITS_UNSET	"1794" ('00000702'X) RRS/MVS has unset the RRS/MVS exit routines for this resource manager.
0	(0)	X'730'	0	ATR_NOT_PROTECTED_INTEREST	"1840" ('00000730'X) The URI_TOKEN specified does not represent a protected expression of interest.
0	(0)	X'731'	0	ATR_UR_STATE_ERROR	"1841" ('00000731'X) The unit of recovery is not in a valid state to complete the request.
0	(0)	X'732'	0	ATR_NO_DIST_SYNC_EXIT	"1842" ('00000732'X) The resource manager attempted to set the distributed syncpoint resource manager role, but did not set a DISTRIBUTED_SYNCPOINT exit.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'733'	0	ATR_SSPC_ROLE_ERROR_DSRM	"1843" ('00000733'X) A resource manager has already invoked ATRSSPC for the distributed_syncpoint_resource_ manager role for this UR. This expression of interest is not allowed to assume the requested role for this UR.
0	(0)	X'734'	0	ATR_SSPC_ROLE_ERROR_LAST_AGENT	"1844" ('00000734'X) A resource manager has already invoked ATRSSPC for the last_agent_participant role for this UR. This expression of interest is not allowed to assume the requested role for this UR.
0	(0)	X'735'	0	ATR_UWID_ALREADY_SET	"1845" ('00000735'X) The requested unit of work ID has already been set for this UR.
0	(0)	X'736'	0	ATR_SROI_ALREADY_DONE	"1846" ('00000736'X) The resource manager has already successfully invoked ATRSROI for this URI_TOKEN.
0	(0)	X'738'	0	ATR_RM_ATTR_INCORRECT	"1848" ('00000738'X) The resource manager did not set all the exits via the CRGSEIF service which are required for its incomplete expressions of interest in URs. The resource manager has incomplete interest in a UR with the distributed syncpoint resource manager role, but the resource manager did not set a DISTRIBUTED_SYNCPOINT exit via CRGSEIF.
0	(0)	X'739'	0	ATR_PROTECTED_INTEREST	"1849" ('00000739'X) The URI_TOKEN specified represents a protected expression of interest.
0	(0)	X'73A'	0	ATR_RESTART_INCOMPLETE	"1850" ('0000073A'X) The resource manager has not obtained all of its incomplete UR expressions of interest.
0	(0)	X'73C'	0	ATR_AFTER_NEW_UR	"1852" ('0000073C'X) The resource manager has previously returned the ATRX_LATER_CONTINUE return code from an exit routine for this expression of interest. The requested function is not supported after that point for this expression of interest.
0	(0)	X'73D'	0	ATR_INV_FOR_RESTART_INTEREST	"1853" ('0000073D'X) The URI_TOKEN specified represents a restart expression of interest and the requested function is not supported for a restart expression of interest.
0	(0)	X'73E'	0	ATR_NO_COMPLETION_EXIT_SET	"1854" ('0000073E'X) The resource manager requested that COMPLETION exits be driven when it does not have any COMPLETION exit
0	(0)	X'73F'	0	ATR_LUWID_NOT_AVAILABLE	"1855" ('0000073F'X) The current LUWID for the specified unit of recovery is not available. The LUWID for a unit of recovery created by the use of ATRSROI is not available until the previous unit of recovery has reached In_Completion state.
0	(0)	X'740'	0	ATR_POST_NOT_PENDING	"1856" ('00000740'X) RRS/MVS is not expecting a post for any asynchronous work associated with this exit_number for this expression of interest.
0	(0)	X'741'	0	ATR_NOT_RETRIEVED_INTEREST	"1857" ('00000741'X) The URI_TOKEN specified does not represent a retrieved expression of interest.
0	(0)	X'742'	0	ATR_RESPONSE_NOT_PENDING	"1858" ('00000742'X) RRS/MVS is not expecting a response for this retrieved expression of interest.
0	(0)	X'743'	0	ATR_PARENT_UR_STATE_ERROR	"1859" ('00000743'X) The UR specified by the parent UR token is not in a valid state for the service call.
0	(0)	X'744'	0	ATR_CHILD_UR_STATE_ERROR	"1860" ('00000744'X) The UR associated with the specified context token is not in a valid state for the service call.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'745'	0	ATR_AFTER_IN_PREPARE	"1861" ('00000745'X) The UR state has progressed beyond In_Prepare. This service cannot be invoked to set ATR_BACKOUT_REQUIRED at any time after that point for this expression of interest.
0	(0)	X'746'	0	ATR_ROLE_INCORRECT	"1862" ('00000746'X) The URI_TOKEN specified does not represent a protected expression of interest The resource manager attempted to set a role (ATR_SDSRM, ATR_DSRM, or ATR_LAST_AGENT) which is only valid for a protected expression of interest.
0	(0)	X'747'	0	ATR_TERMINATING_SYNCPOINT	"1863" ('00000747'X) RRS/MVS is processing a terminating syncpoint so there cannot be any more new URs for this context.
0	(0)	X'748'	0	ATR_RM_IS_THE_SDSRM	"1864" ('00000748'X) The resource manager issuing this request is the SDSRM for this UR, and RRS does not permit the SDSRM to issue the ATRSROI service.
0	(0)	X'748'	0	ATR_GEN_NOT_ALLOWED_NO_LUNAME	"1864" ('00000748'X) The resource manager did not set an LU Name on CRGSEIF so the resource manager cannot tell RRS/MVS to generate a LUWID.
0	(0)	X'749'	0	ATR_MAX_UR_LOG_DATA_EXCEEDED	"1865" ('00000749'X) The maximum amount of data which can be logged for a unit of recovery will be exceeded if this request is accepted.
0	(0)	X'74A'	0	ATR_NOT_SERVER_DSRM	"1866" ('0000074A'X) The resource manager does not have the server distributed syncpoint resource manager role for the unit of recovery
0	(0)	X'74B'	0	ATR_SSPC_ROLE_ERROR_SERVER_DSRM	"1867" ('0000074B'X) A resource manager has already invoked ATRSSPC for the server_distributed_syncpoint_ resource_manager role for this UR. This expression of interest is not allowed to assume the requested role for this UR.
0	(0)	X'74C'	0	ATR_SDSRM_DISALLOWS_COMMIT	"1868" ('0000074C'X) A resource manager involved in this unit of recovery has taken the server distributed syncpoint resource manager role. Only it may initiate the syncpoint operation for this unit of recovery
0	(0)	X'74D'	0	ATR_GEN_NOT_ALLOWED_EID	"1869" ('0000074D'X) Generating Enterprise identifier is not supported.
0	(0)	X'74E'	0	ATR_SET_NEXT_EID_INV	"1870" ('0000074E'X) Setting the next Enterprise identifier is not supported.
0	(0)	X'74F'	0	ATR_ROLE_CHANGE_AFTER_SYNC	"1871" ('0000074F'X) The role of an expression of interest cannot be changed once a syncpoint operation has begun.
0	(0)	X'750'	0	ATR_RESPOND_CONTINUE_REQUIRED	"1872" ('00000750'X) ATRIRRI must be issued to inform RRS to continue the RM interest procesing before this service can be issued against the interest.
0	(0)	X'751'	0	ATR_GEN_REQUIRED_XID	"1873" ('00000751'X) A generating option is required for an X/Open identifier.
0	(0)	X'752'	0	ATR_SET_NEXT_XID_INV	"1874" ('00000752'X) Setting the next X/Open identifier is not supported.
0	(0)	X'753'	0	ATR_GEN_NOT_ALLOWED_NO_URI_TOKEN	"1875" ('00000753'X) The resource manager did not specify an URI token, so RRS is not able to generate a LUWID. The system rejects the service call.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'754'	0	ATR_RETRIEVE_NEXT_EID_INV	"1876" ('00000754'X) Retrieving the next Enterprise identifier is not supported.
0	(0)	X'755'	0	ATR_RETRIEVE_NEXT_XID_INV	"1877" ('00000755'X) Retrieving the next X/Open identifier is not supported.
0	(0)	X'756'	0	ATR_CASCADED_UR_DISALLOWS_COMMIT	"1878" ('00000756'X) This current UR is a child cascaded-UR. Only the top-level UR of a cascaded-UR family can be committed.
0	(0)	X'757'	0	ATR_ID_CONFLICT	"1879" ('00000757'X) Information identifiers specified on the call conflict with each other
0	(0)	X'758'	0	ATR_APPL_COMPLETE_INV	"1880" ('00000758'X) The specified UR cannot be set as application complete or not application complete
0	(0)	X'759'	0	ATR_ROLE_ERROR_CASCADED_UR	"1881" ('00000759'X) The specified UR is a cascaded UR. Only the participant role is valid.
0	(0)	X'760'	0	ATR_CASCADED_UR	"1888" ('00000760'X) The specified UR is a cascaded UR. Interest can not be retained in a cascaded UR
0	(0)	X'761'	0	ATR_APPL_COMPLETE_INV_STATE	"1889" ('00000761'X) The specified UR cannot be set as application-complete or not application-complete, because the UR is not in a valid state
0	(0)	X'762'	0	ATR_PRESUMED_NOTHING_INVALID	"1890" ('00000762'X) The specified URI has an invalid two-phase commit protocal selected PRESUMED_NOTHING is not allowed.
0	(0)	X'763'	0	ATR_NO_CASCADE_TO_PARENT	"ATR_PARENT_LOCAL_TRAN_MODE_INV" Allow variable that was used prior to Local Tran Mode.
0	(0)	X'763'	0	ATR_PARENT_LOCAL_TRAN_MODE_INV	"1891" ('00000763'X) The parent unit of recovery is in local transaction mode. This service is only valid for global transaction mode URs.
0	(0)	X'764'	0	ATR_NOT_ALLOWED_FOR_UR	"ATR_LOCAL_TRAN_MODE_INV" Allow variable that was used prior to Local Tran Mode.
0	(0)	X'764'	0	ATR_LOCAL_TRAN_MODE_INV	"1892" ('00000764'X) The current transaction mode is local. This service is only valid for global transaction mode URs.
0	(0)	X'765'	0	ATR_NO_LUWID_GEN_FOR_UR	"ATR_GEN_LUWID_NOT_ALLOWED_LOCAL" Allow variable that was used prior to Local Tran Mode.
0	(0)	X'765'	0	ATR_GEN_LUWID_NOT_ALLOWED_LOCAL	"1893" ('00000765'X) The request to generate a LUWID is not valid for local transactions. The system rejects this service.
0	(0)	X'766'	0	ATR_NO_SIDE_INFO_FOR_UR	"ATR_SIDE_INFO_ID_LOCAL_INV" Allow variable that was used prior to Local Tran Mode.
0	(0)	X'766'	0	ATR_SIDE_INFO_ID_LOCAL_INV	"1894" ('00000766'X) The identifier (or one of the identifiers) specified by the side_info_id array is not permitted when the UR is in local transaction mode.
0	(0)	X'767'	0	ATR_NO_XID_GEN_FOR_UR	"ATR_GEN_XID_NOT_ALLOWED_LOCAL" Allow variable that was used prior to Local Tran Mode.
0	(0)	X'767'	0	ATR_GEN_XID_NOT_ALLOWED_LOCAL	"1895" ('00000767'X) The request to generate a XID is not valid for local transactions. The system rejects this service.
0	(0)	X'769'	0	ATR_XID_NO_GLOBAL_MATCH	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"1897" ('00000769'X) The request to set an XID for a cascaded UR failed because the FORMATIDs or GTRIDs do not match those of the parent UR
0	(0)	X'801'	0	ATR_SETTING_PROTECTED	"2049" ('00000801'X) Program Error. An unauthorized caller has attempted to change a setting that was protected by an authorized caller. The system rejects the service call.
0	(0)	X'802'	0	ATR_STOKEN_NOT_ZERO	"2050" ('00000802'X) Program Error. The stoken parameter specified is incorrect. The caller specified a scope parameter of either ATR_CONTEXT_SCOPE or ATR_DEFAULT_SCOPE and the stoken specified is not zero. The system rejects the service call.
0	(0)	X'803'	0	ATR_CTOKEN_NOT_ZERO	"2051" ('00000803'X) Program Error. The context_token parameter specified is incorrect. Environment setting scope was atr_address_space_scope and the context_token was not zero (0). The system rejects the service call.
0	(0)	X'804'	0	ATR_HYBRID_GLOBAL_MODE_ERROR	"2052" ('00000804'X) The service is not permitted if the RRS environment setting for transact transaction_mode that applies to the unit of recovery is ATR_HYBRID_GLOBAL_MODE.
0	(0)	X'805'	0	ATR_CUR_UR_TOKEN_NOT_CURRENT	"2053" ('00000805'X) The UR token specified by the caller does not match the UR token of the current recovery.
0	(0)	X'F00'	0	ATR_NOT_AVAILABLE	"3840" ('00000F00'X) RRS/MVS is not available.
0	(0)	X'F01'	0	ATR_HARDENED_DATA_LOST	"3841" ('00000F01'X) RRS/MVS has lost hardened data. Therefore, ATRIRNI may not be able to return data for all incomplete URs for this resource manager.
0	(0)	X'F02'	0	ATR_RESTART_WRONG_SYSTEM	"3842" ('00000F02'X) The resource manager is not restarting on the proper system. The resource manager is involved in incomplete URs on another system in the sysplex.
0	(0)	X'F03'	0	ATR_UR_RESOLVED_BY_INSTALLATION	"3843" ('00000F03'X) The resource manager invoked ATRPDUE to resolve an In_Doubt UR, but the installation already resolved the UR.
0	(0)	X'F04'	0	ATR_UNEXPECTED_UR_ERROR	"3844" ('00000F04'X) The unit of recovery being processed by the service request has suffered an unexpected error.
0	(0)	X'F05'	0	ATR_UNEXPECTED_CTX_ERROR	"3845" ('00000F05'X) The service request encountered an unexpected error from the CTX service, a dump from the context services should be examined.
0	(0)	X'F06'	0	ATR_WAS_NOT_AVAILABLE	"3846" ('00000F06'X) RRS/MVS was not available.
0	(0)	X'F07'	0	ATR_RM_GROUP_RRS_DOWNLEVEL	"3847" ('00000F07'X) The restarting Resource Manager belong to an RM group which has utilized an RRS function which is not supported by this version of RRS. The RRS on this system is downlevel and cannot hornor the request to restart at this time.
0	(0)	X'FFF'	0	ATR_UNEXPECTED_ERROR	"4095" ('00000FFF'X) The service routine encountered an unexpected error.
0	(0)	X'8000'	0	ATR_EXIT_PREPARE_NOT_SPECIFIED	"32768" ('00008000'X) The required PREPARE exit was not specified.
0	(0)	X'8001'	0	ATR_EXIT_COMMIT_NOT_SPECIFIED	"32769" ('00008001'X) The required COMMIT exit was not specified.
0	(0)	X'8002'	0	ATR_EXIT_BACKOUT_NOT_SPECIFIED	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"32770" ('00008002'X) The required BACKOUT exit was not specified.
0	(0)	X'8003'	0	ATR_EXIT_EXIT_FAILED_NOT_SPECIFIED	
					"32771" ('00008003'X) The required EXIT_FAILED exit was not specified.
0	(0)	X'8004'	0	ATR_RM_ACTIVE_ON_ANOTHER_SYSTEM	
					"32772" ('00008004'X) The resource manager currently has exits set with RRS/MVS on another system in the sysplex.
0	(0)	X'8005'	0	ATR_RM_NEW_KEY_INV	
					"32773" ('00008005'X) The key of a resource manager cannot be changed once exits are initially set with RRS/MVS.
0	(0)	X'8006'	0	ATR_SEIF_PARM_NOT_ADDR	
					"32774" ('00008006'X) The parameters passed by the caller are not addressable.
0	(0)	X'8007'	0	ATR_EM_WRONG_STATE	
					"32775" ('00008007'X) The exit manager is in the wrong state to process the set exits request.
0	(0)	X'8008'	0	ATR_RM_WRONG_STATE	
					"32776" ('00008008'X) The resource manager is in the wrong state to set exits with RRS.
0	(0)	X'8009'	0	ATR_EM_UNAVAILABLE	
					"32777" ('00008009'X) The resource manager has been unset because RRS was terminated via the SETRRS Shutdown command. Wait for RRS to become active and reset the resource manager's exit with RRS.
0	(0)	X'800A'	0	ATR_RM_METADATA_UNSUPPORTED	
					"32778" ('0000800A'X) The caller requested RM Metadata support, but the system does not have RM Metadata support active. RRS was not able to connect to the RM Metadata log stream. The system rejects the service request.

Comment

Declares for RRS stoken name/token pair

End of Comment

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRPETRELCODE	
0	(0)	BITSTRING	1	ATRRCODEBYTE1	
					Byte 1 of ATRPETRELCODE
		1...		ATRRCODENONRRS	
					"X'80'" Someone other than RRS released this PET
		.1..		ATRRCODERRSFAILED	
					"X'40'" This PET was released by RRS during RRS address space termination
1	(1)	BITSTRING	1	ATRRCODEBYTE2	
					Byte 2 of ATRPETRELCODE
		.1..		ATRRCODETERMINATINGSYNCPOINT	

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRXPARMLIST	
0	(0)	ADDRESS	4	ATRXPARMRETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRXPARMVERSIONPTR	
					Address of version number
8	(8)	ADDRESS	4	ATRXPARMEXITNUMBERPTR	
					Address of exit number
12	(C)	ADDRESS	4	ATRXPARMRMTOKENPTR	
					Address of resource manager token

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

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

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

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

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

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

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRIRNIPARMLIST	
0	(0)	ADDRESS	4	ATRIRNIRETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRIRNIRMTOKENPTR	
					Address of resource manager token
8	(8)	ADDRESS	4	ATRIRNICONTEXTTOKENPTR	
					Address of context token
12	(C)	ADDRESS	4	ATRIRNIURITOKENPTR	
					Address of URI token
16	(10)	ADDRESS	4	ATRIRNIURIDPTR	
					Address of URID
20	(14)	ADDRESS	4	ATRIRNIROLEPTR	
					Address of role
24	(18)	ADDRESS	4	ATRIRNIURSTATEPTR	
					Address of UR state
28	(1C)	ADDRESS	4	ATRIRNIPDATABUFFERLENGTHPTR	
					Address of pdata buffer length
32	(20)	ADDRESS	4	ATRIRNIPDATALENGTHPTR	
					Address of persistent data length
36	(24)	ADDRESS	4	ATRIRNIPDATAPTR	
					Address of persistent data

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

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4IRLNPARMLIST	
0	(0)	ADDRESS	8	ATR4IRLNRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4IRLNRMTOKENPTR	Address of resource manager token
16	(10)	ADDRESS	8	ATR4IRLNRMLOGNAMEBUFLENPTR	Address of RM logname buffer length
24	(18)	ADDRESS	8	ATR4IRLNRMLOGNAMELENGTHPTR	Address of RM logname length
32	(20)	ADDRESS	8	ATR4IRLNRMLOGNAMEPTR	Address of RM logname
40	(28)	ADDRESS	8	ATR4IRLNRRSLOGNAMELENGTHPTR	Address of RRS logname length
48	(30)	ADDRESS	8	ATR4IRLNRRSLOGNAMEPTR	Address of RRS logname

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRIDPARMLIST	
0	(0)	ADDRESS	4	ATRRIDRETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRRIDURITOKENPTR	
					Address of URI token
8	(8)	ADDRESS	4	ATRRIDNONPERSISTENTDATAPTR	
					Address of nonpersistent data
12	(C)	ADDRESS	4	ATRRIDPDATABUFFERLENGTHPTR	
					Address of pdata buffer length
16	(10)	ADDRESS	4	ATRRIDPDATALENGTHPTR	
					Address of persistent data length
20	(14)	ADDRESS	4	ATRRIDPDATAPTR	
					Address of persistent data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
24	(18)	ADDRESS	4	ATRRIDINTERESTTYPEPTR	Address of interest type
28	(1C)	ADDRESS	4	ATRRIDEXPOFINTTYPEPTR	Address of exp of int type
32	(20)	ADDRESS	4	ATRRIDROLEPTR	Address of role

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4RIDPARMLIST	
0	(0)	ADDRESS	8	ATR4RIDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RIDURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4RIDNONPERSISTENTDATAPTR	Address of nonpersistent data
24	(18)	ADDRESS	8	ATR4RIDPDATABUFFERLENGTHPTR	Address of pdata buffer length
32	(20)	ADDRESS	8	ATR4RIDPDATALENGTHPTR	Address of persistent data length
40	(28)	ADDRESS	8	ATR4RIDPDATAPTR	Address of persistent data
48	(30)	ADDRESS	8	ATR4RIDINTERESTTYPEPTR	Address of interest type
56	(38)	ADDRESS	8	ATR4RIDEXPOFINTTYPEPTR	Address of exp of int type
64	(40)	ADDRESS	8	ATR4RIDROLEPTR	Address of role

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRURDPARMLIST	
0	(0)	ADDRESS	4	ATRRURDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRURDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRRURDURIDPTR	Address of URID
12	(C)	ADDRESS	4	ATRRURDURSTATEPTR	Address of UR state

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRUSIPARMLIST	
0	(0)	ADDRESS	4	ATRRUSIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRUSIURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRRUSIELEMENTCOUNTPTR	Address of element count
12	(C)	ADDRESS	4	ATRRUSISIDEINFOARRAYPTR	Address of side info array
16	(10)	ADDRESS	4	ATRRUSISIDEINFOSTATEARRAYPTR	Address of side info state array

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRWIDPARMLIST	
0	(0)	ADDRESS	4	ATRRWIDRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRWIDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRRWIDRETRIEVEOPTIONPTR	Address of retrieve option
12	(C)	ADDRESS	4	ATRRWIDGENERATEOPTIONPTR	Address of generate option
16	(10)	ADDRESS	4	ATRRWIDUWIDTYPEPTR	Address of uwid type
20	(14)	ADDRESS	4	ATRRWIDUWIDBUFFERLENPTR	Address of uwid buffer length
24	(18)	ADDRESS	4	ATRRWIDUWIDLENPTR	Address of uwid length
28	(1C)	ADDRESS	4	ATRRWIDUWIDDATAPTR	Address of uwid data

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4SITPARMLIST	
0	(0)	ADDRESS	8	ATR4SITRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SITURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4SITURIDPTR	Address of URID
24	(18)	ADDRESS	8	ATR4SITINTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	8	ATR4SITFAILUREACTIONPTR	Address of failure action
40	(28)	ADDRESS	8	ATR4SITPDATALENGTHPTR	Address of persistent data length
48	(30)	ADDRESS	8	ATR4SITPDATAPTR	Address of persistent data

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	ADDRESS	4	ATRSPIDURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSPIDPDATALENGTHPTR	Address of persistent data length
12	(C)	ADDRESS	4	ATRSPIDPDATAPTR	Address of persistent data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4SPIDPARMLIST	
0	(0)	ADDRESS	8	ATR4SPIDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4SPIDURITOKENPTR	Address of URI token
16	(10)	ADDRESS	8	ATR4SPIDPDATALENGTHPTR	Address of persistent data length
24	(18)	ADDRESS	8	ATR4SPIDPDATAPTR	Address of persistent data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSROIPARMLIST	
0	(0)	ADDRESS	4	ATRSROIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSROIURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSROINEWURITOKENPTR	Address of new URI token
12	(C)	ADDRESS	4	ATRSROIURIDPTR	Address of URID
16	(10)	ADDRESS	4	ATRSROIINTERESTTYPEPTR	Address of interest type
20	(14)	ADDRESS	4	ATRSROIFAILUREACTIONPTR	Address of failure action
24	(18)	ADDRESS	4	ATRSROINONPERSISTENTDATAPTR	Address of nonpersistent data
28	(1C)	ADDRESS	4	ATRSROIPDATALENGTHPTR	Address of persistent data length
32	(20)	ADDRESS	4	ATRSROIPDATAPTR	Address of persistent data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSROI1PARMLIST	
0	(0)	ADDRESS	4	ATRSROI1RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSROI1URITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSROI1NEWURITOKENPTR	Address of new URI token
12	(C)	ADDRESS	4	ATRSROI1URIDPTR	Address of URID
16	(10)	ADDRESS	4	ATRSROI1INTERESTOPTIONSPTR	Address of interest options
20	(14)	ADDRESS	4	ATRSROI1NONPERSISTENTDATAPTR	Address of nonpersistent data
24	(18)	ADDRESS	4	ATRSROI1PDATALENGTHPTR	Address of persistent data lgth
28	(1C)	ADDRESS	4	ATRSROI1PDATAPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of persistent data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4SROIPARMLIST	
0	(0)	ADDRESS	8	ATR4SROIRETURNCODEPTR	
					Address of return code
8	(8)	ADDRESS	8	ATR4SROIURITOKENPTR	
					Address of URI token
16	(10)	ADDRESS	8	ATR4SROINEWURITOKENPTR	
					Address of new URI token
24	(18)	ADDRESS	8	ATR4SROIURIDPTR	
					Address of URID
32	(20)	ADDRESS	8	ATR4SROIINTERESTOPTIONSPTR	
					Address of interest options
40	(28)	ADDRESS	8	ATR4SROINONPERSISTENTDATAPTR	
					Address of nonpersistent data
48	(30)	ADDRESS	8	ATR4SROIPDATALENGTHPTR	
					Address of persistent data length
56	(38)	ADDRESS	8	ATR4SROIPDATAPTR	
					Address of persistent data

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	ADDRESS	4	ATRSUSIRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSUSIURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRSUSIELEMENTCOUNTPTR	Address of element count
12	(C)	ADDRESS	4	ATRSUSISIDEINFOARRAYPTR	Address of side info array

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

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRURD1PARMLIST	
0	(0)	ADDRESS	4	ATRRURD1RETURNCODEPTR	Address of return code

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRURD2PARMLIST	
0	(0)	ADDRESS	4	ATRRURD2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRURD2URORURITOKENPTR	Address of UR or URI token
8	(8)	ADDRESS	4	ATRRURD2URIDPTR	Address of URID
12	(C)	ADDRESS	4	ATRRURD2URSTATEPTR	Address of UR state
16	(10)	ADDRESS	4	ATRRURD2STATESOPTIONPTR	Address of states option
20	(14)	ADDRESS	4	ATRRURD2URTOKENPTR	Address of UR token

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4CCURPARMLIST	
0	(0)	ADDRESS	8	ATR4CCURRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4CCURPARENTURTOKENPTR	Address of Parent UR Token
16	(10)	ADDRESS	8	ATR4CCURCHILDCONTEXTTOKENPTR	Address of Child Context Token
24	(18)	ADDRESS	8	ATR4CCURCHILDURTOKEN	Address of Child UR Token
32	(20)	ADDRESS	8	ATR4CCURCHILDURID	Address of Child UR ID
40	(28)	ADDRESS	8	ATR4CCURCREATEOPTIONS	Address of create options

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATREINT2PARMLIST	
0	(0)	ADDRESS	4	ATREINT2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINT2RMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINT2CONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINT2URITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINT2CURRCONTEXTTOKENPTR	Address of current context token
20	(14)	ADDRESS	4	ATREINT2URIDPTR	Address of URID
24	(18)	ADDRESS	4	ATREINT2MULTIPLEINTERESTOPTION	Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT2INTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	4	ATREINT2FAILUREACTIONPTR	Address of failure action
36	(24)	ADDRESS	4	ATREINT2TWOPHASEPROTOCOLPTR	Address of two phase protocol
40	(28)	ADDRESS	4	ATREINT2NONPERSISTENTDATAPTR	Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINT2CURRNONPDATAPTR	Address of current nonp data
48	(30)	ADDRESS	4	ATREINT2PDATALENGTHPTR	Address of persistent data length
52	(34)	ADDRESS	4	ATREINT2PDATAPTR	Address of persistent data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
56	(38)	ADDRESS	4	ATREINT2XIDLENGTHPTR	Address of XID length
60	(3C)	ADDRESS	4	ATREINT2XIDPTR	Address of XID
64	(40)	ADDRESS	4	ATREINT2URFAMILYOPTIONPTR	Address of UR Family option
68	(44)	ADDRESS	4	ATREINT2PARENTURTOKENPTR	Address of parent ur token

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATREINT3PARMLIST	
0	(0)	ADDRESS	4	ATREINT3RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINT3RMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINT3CONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINT3URITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINT3CURRCONTEXTTOKENPTR	Address of current context token
20	(14)	ADDRESS	4	ATREINT3URIDPTR	Address of URID
24	(18)	ADDRESS	4	ATREINT3MULTIPLEINTERESTOPTION	Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT3INTERESTTYPEPTR	Address of interest type
32	(20)	ADDRESS	4	ATREINT3FAILUREACTIONPTR	Address of failure action
36	(24)	ADDRESS	4	ATREINT3TWOPHASEPROTOCOLPTR	Address of two phase protocol
40	(28)	ADDRESS	4	ATREINT3NONPERSISTENTDATAPTR	Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINT3CURRNONPDATAPTR	Address of current nonp data
48	(30)	ADDRESS	4	ATREINT3PDATALENGTHPTR	Address of persistent data length
52	(34)	ADDRESS	4	ATREINT3PDATAPTR	Address of persistent data
56	(38)	ADDRESS	4	ATREINT3XIDLENGTHPTR	Address of XID length
60	(3C)	ADDRESS	4	ATREINT3XIDPTR	Address of XID
64	(40)	ADDRESS	4	ATREINT3DIAGAREAPTR	Address of diagnostic area
68	(44)	ADDRESS	4	ATREINT3TRANMODEPTR	Address of transaction mode

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATREINT4PARMLIST	
0	(0)	ADDRESS	4	ATREINT4RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATREINT4RMTOKENPTR	Address of resource manager token
8	(8)	ADDRESS	4	ATREINT4CONTEXTTOKENPTR	Address of context token
12	(C)	ADDRESS	4	ATREINT4URITOKENPTR	Address of URI token
16	(10)	ADDRESS	4	ATREINT4CURRCONTEXTTOKENPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of current context token
20	(14)	ADDRESS	4	ATREINT4URIDPTR	
					Address of URID
24	(18)	ADDRESS	4	ATREINT4MULTIPLEINTERESTOPTION	
					Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT4INTERESTTYPEPTR	
					Address of interest type
32	(20)	ADDRESS	4	ATREINT4FAILUREACTIONPTR	
					Address of failure action
36	(24)	ADDRESS	4	ATREINT4TWOPHASEPROTOCOLPTR	
					Address of two phase protocol
40	(28)	ADDRESS	4	ATREINT4NONPERSISTENTDATAPTR	
					Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINT4CURRNONPDATAPTR	
					Address of current nonp data
48	(30)	ADDRESS	4	ATREINT4PDATALENGTHPTR	
					Address of persistent data length
52	(34)	ADDRESS	4	ATREINT4PDATAPTR	
					Address of persistent data
56	(38)	ADDRESS	4	ATREINT4XIDLENGTHPTR	
					Address of XID length
60	(3C)	ADDRESS	4	ATREINT4XIDPTR	
					Address of XID
64	(40)	ADDRESS	4	ATREINT4URFAMILYOPTIONPTR	
					Address of UR Family option
68	(44)	ADDRESS	4	ATREINT4PARENTURTOKENPTR	
					Address of parent ur token
72	(48)	ADDRESS	4	ATREINT4DIAGAREAPTR	
					Address of diagnostic area
76	(4C)	ADDRESS	4	ATREINT4TRANMODEPTR	
					Address of transaction mode

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATREINT5PARMLIST	
0	(0)	ADDRESS	4	ATREINT5RETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATREINT5RMTOKENPTR	
					Address of resource manager token
8	(8)	ADDRESS	4	ATREINT5CONTEXTTOKENPTR	
					Address of context token
12	(C)	ADDRESS	4	ATREINT5URITOKENPTR	
					Address of URI token
16	(10)	ADDRESS	4	ATREINT5URTOKENPTR	
					Address of UR Itoken
20	(14)	ADDRESS	4	ATREINT5CURRCONTEXTTOKENPTR	
					Address of current context token
24	(18)	ADDRESS	4	ATREINT5URIDPTR	
					Address of URID
28	(1C)	ADDRESS	4	ATREINT5INTERESTOPTIONS	
					Address of interest options
32	(20)	ADDRESS	4	ATREINT5NONPERSISTENTDATAPTR	
					Address of nonpersistent data
36	(24)	ADDRESS	4	ATREINT5CURRNONPDATAPTR	
					Address of current nonp data
40	(28)	ADDRESS	4	ATREINT5PDATALENGTHPTR	
					Address of persistent data length
44	(2C)	ADDRESS	4	ATREINT5PDATAPTR	
					Address of persistent data
48	(30)	ADDRESS	4	ATREINT5XIDLENGTHPTR	
					Address of XID length
52	(34)	ADDRESS	4	ATREINT5XIDPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of XID
56	(38)	ADDRESS	4	ATREINT5PARENTURTOKENPTR	
					Address of parent ur token
60	(3C)	ADDRESS	4	ATREINT5DIAGAREAPTR	
					Address of diagnostic area
64	(40)	ADDRESS	4	ATREINT5TRANMODEPTR	
					Address of transaction mode

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4EINTPARMLIST	
0	(0)	ADDRESS	8	ATR4EINTRETURNCODEPTR	
					Address of return code
8	(8)	ADDRESS	8	ATR4EINTRMTOKENPTR	
					Address of resource manager token
16	(10)	ADDRESS	8	ATR4EINTCONTEXTTOKENPTR	
					Address of context token
24	(18)	ADDRESS	8	ATR4EINTURITOKENPTR	
					Address of URI token
32	(20)	ADDRESS	8	ATR4EINTURTOKENPTR	
					Address of UR Itoken
40	(28)	ADDRESS	8	ATR4EINTCURRCONTEXTTOKENPTR	
					Address of current context token
48	(30)	ADDRESS	8	ATR4EINTURIDPTR	
					Address of URID
56	(38)	ADDRESS	8	ATR4EINTINTERESTOPTIONS	
					Address of interest options
64	(40)	ADDRESS	8	ATR4EINTNONPERSISTENTDATAPTR	
					Address of nonpersistent data
72	(48)	ADDRESS	8	ATR4EINTCURRNONPDATAPTR	
					Address of current nonp data
80	(50)	ADDRESS	8	ATR4EINTPDATALENGTHPTR	
					Address of persistent data length
88	(58)	ADDRESS	8	ATR4EINTPDATAPTR	
					Address of persistent data
96	(60)	ADDRESS	8	ATR4EINTXIDLENGTHPTR	
					Address of XID length
104	(68)	ADDRESS	8	ATR4EINTXIDPTR	
					Address of XID
112	(70)	ADDRESS	8	ATR4EINTPARENTURTOKENPTR	
					Address of parent ur token
120	(78)	ADDRESS	8	ATR4EINTDIAGAREAPTR	
					Address of diagnostic area
128	(80)	ADDRESS	8	ATR4EINTTRANMODEPTR	
					Address of transaction mode

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSWID2PARMLIST	
0	(0)	ADDRESS	4	ATRSWID2RETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRSWID2URORURITOKENPTR	
					Address of UR or URI token
8	(8)	ADDRESS	4	ATRSWID2SETOPTIONPTR	
					Address of set option
12	(C)	ADDRESS	4	ATRSWID2UWIDTYPEPTR	
					Address of uwid type
16	(10)	ADDRESS	4	ATRSWID2UWIDLENPTR	
					Address of uwid length
20	(14)	ADDRESS	4	ATRSWID2UWIDDATAPTR	
					Address of uwid data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4SWIDPARMLIST	

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRWID2PARMLIST	
0	(0)	ADDRESS	4	ATRRWID2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRWID2URORURITOKENPTR	Address of UR or URI token
8	(8)	ADDRESS	4	ATRRWID2RETRIEVEOPTIONPTR	Address of retrieve option
12	(C)	ADDRESS	4	ATRRWID2GENERATEOPTIONPTR	Address of generate option
16	(10)	ADDRESS	4	ATRRWID2UWIDTYPEPTR	Address of uwid type
20	(14)	ADDRESS	4	ATRRWID2UWIDBUFFERLENPTR	Address of uwid buffer length
24	(18)	ADDRESS	4	ATRRWID2UWIDLENPTR	Address of uwid length
28	(1C)	ADDRESS	4	ATRRWID2UWIDDATAPTR	Address of uwid data

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSPSP2PARMLIST	
0	(0)	ADDRESS	4	ATRSPSP2RETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRSPSP2URTOKENPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of UR token
8	(8)	ADDRESS	4	ATRSPSP2PETOKENPTR	
					Address of PE token

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRDPSP2PARMLIST	
0	(0)	ADDRESS	4	ATRDPSP2RETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRDPSP2URTOKENPTR	
					Address of UR token
8	(8)	ADDRESS	4	ATRDPSP2PETOKENPTR	
					Address of PE token

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATREINT1PARMLIST	
0	(0)	ADDRESS	4	ATREINT1RETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATREINT1RMTOKENPTR	
					Address of resource manager token
8	(8)	ADDRESS	4	ATREINT1CONTEXTTOKENPTR	
					Address of context token
12	(C)	ADDRESS	4	ATREINT1URITOKENPTR	
					Address of URI token
16	(10)	ADDRESS	4	ATREINT1CURRCONTEXTTOKENPTR	
					Address of current context token
20	(14)	ADDRESS	4	ATREINT1URIDPTR	
					Address of URID
24	(18)	ADDRESS	4	ATREINT1MULTIPLEINTERESTOPTION	
					Address of multiple interest option
28	(1C)	ADDRESS	4	ATREINT1INTERESTTYPEPTR	
					Address of interest type
32	(20)	ADDRESS	4	ATREINT1FAILUREACTIONPTR	
					Address of failure action
36	(24)	ADDRESS	4	ATREINT1TWOPHASEPROTOCOLPTR	
					Address of two phase protocol

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
40	(28)	ADDRESS	4	ATREINT1NONPERSISTENTDATAPTR	Address of nonpersistent data
44	(2C)	ADDRESS	4	ATREINT1CURRNONPDATAPTR	Address of current nonp data
48	(30)	ADDRESS	4	ATREINT1PDATALENGTHPTR	Address of persistent data length
52	(34)	ADDRESS	4	ATREINT1PDATAPTR	Address of persistent data
56	(38)	ADDRESS	4	ATREINT1XIDLENGTHPTR	Address of XID length
60	(3C)	ADDRESS	4	ATREINT1XIDPTR	Address of XID

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

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

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

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

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

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

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

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	ADDRESS	4	ATRAPRPRETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRAPRPURITOKENPTR	Address of URI token
8	(8)	ADDRESS	4	ATRAPRPLOGOPTIONPTR	Address of log option

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRXPARMEXITFLAGS	
0	(0)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE1	Byte1 of Exit Flags
		1...		ATRXFLAGRESTARTINTEREST	"X'80'" This exit was invoked for a restart expression of interest.
		.1..		ATRXFLAGTERMINATINGSYNCPOINT	"X'40'" Terminating Syncpoint in progress. RRS/MVS has issued an implicit commit or backout because the context is terminating. There cannot be any more new URs for this context.
		..1.		ATRXFLAGRESOLVEDBYINSTALLATION	"X'20'" Indicates the In-Doubt state of this UR was resolved by the installation (e.g. by forcing a COMMIT or BACKOUT decision via the RRS/MVS ISPF interface.
		...1		ATRXFLAGHEURISTICMIXED	"X'10'" Indicates that a Hueristic mixed condition was detected for this UR.
		.... 1...		ATRXFLAGRESYNCINPROGRESS	"X'08'" Indicates that a Resync-In-Progress (RIP) condition is present for this UR.
		.... .1..		ATRXFLAGPREPARERESULTFORGET	"X'04'" Indicates that the prepare vote for this expression of interest was ABSTAIN, and the overall prepare vote result for the UR was FORGET.
		.... ..1.		ATRXFLAGIMMEDIATEBACKOUT	"X'02'" Indicates that the backout operation was requested by the application and was not the result of a resource manager being unable to commit its resources.
		1		ATRXFLAGREDRIVELIMIT	"X'01'" Indicates that the STATE_CHECK redrive limit has been reached for this UR, so the ATRX_REDRIVE return code is not valid.
1	(1)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE2	Byte2 of Exit Flags
		1...		ATRXFLAGCOMMIT	"X'80'" Indicates that the overall decision of this UR was to commit the UR.
		.1..		ATRXFLAGAPPLICATIONASYNCABEND	"X'40'"
		..1.		ATRXFLAGRETAININTINV	"X'20'"
		...1		ATRXFLAGCASCADEDUR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'10'"
		.... 11..		ATRXFLAGTRANSACTIONMODE	
					"X'0C'"
2	(2)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE3	
					Byte3 of Exit Flags
3	(3)	BITSTRING	1	ATRXPARMEXITFLAGSBYTE4	
					Byte4 of Exit Flags

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRUSFPARMLIST	
0	(0)	ADDRESS	4	ATRRUSFRETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRRUSFCONTEXTTOKENPTR	
					Address of context token
8	(8)	ADDRESS	4	ATRRUSFENVINFOPTR	
					Address of environment info

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRUSF1PARMLIST	
0	(0)	ADDRESS	4	ATRRUSF1RETURNCODEPTR	
					Address of return code
4	(4)	ADDRESS	4	ATRRUSF1CONTEXTTOKENPTR	
					Address of context token
8	(8)	ADDRESS	4	ATRRUSF1ENVINFOPTR	
					Address of environment info
12	(C)	ADDRESS	4	ATRRUSF1SIDEINFOOPTIONSPTR	
					Address of side info options

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4SDTAPARMLIST	
0	(0)	ADDRESS	8	ATR4SDTARETURNCODEPTR	Address of return code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	ADDRESS	8	ATR4SDTARMTOKENPTR	Address of RM token
16	(10)	ADDRESS	8	ATR4SDTARMMETADATALENGTHPTR	Address of RM meta data length
24	(18)	ADDRESS	8	ATR4SDTARMMETADATAPTR	Address of RM meta data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRRDTAPARMLIST	
0	(0)	ADDRESS	4	ATRRDTARETURNCODEPTR	Address of return code
4	(4)	ADDRESS	4	ATRRDTARMTOKENPTR	Address of RM token
8	(8)	ADDRESS	4	ATRRDTARMMETADATABUFFERLENGTHPTR	Address of RM meta data buffer length
12	(C)	ADDRESS	4	ATRRDTARMMETADATALENGTHPTR	Address of RM meta data length
16	(10)	ADDRESS	4	ATRRDTARMMETADATAPTR	Address of RM meta data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4RDTAPARMLIST	
0	(0)	ADDRESS	8	ATR4RDTARETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4RDTARMTOKENPTR	Address of RM token
16	(10)	ADDRESS	8	ATR4RDTARMMETADATABUFFERLENGTHPTR	Address of RM meta data buffer length
24	(18)	ADDRESS	8	ATR4RDTARMMETADATALENGTHPTR	Address of RM meta data length
32	(20)	ADDRESS	8	ATR4RDTARMMETADATAPTR	Address of RM meta data

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4ENDPARMLIST	
0	(0)	ADDRESS	8	ATR4ENDRETURNCODEPTR	Address of return code
8	(8)	ADDRESS	8	ATR4ENDDIAGAREAPTR	Address of diagnostic area
16	(10)	ADDRESS	8	ATR4ENDACTIONPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of action
24	(18)	ADDRESS	8	ATR4ENDCURRURTOKENPTR	
					Address of current UR token

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4RUSFPARMLIST	
0	(0)	ADDRESS	8	ATR4RUSFRETURNCODEPTR	
					Address of return code
8	(8)	ADDRESS	8	ATR4RUSFCONTEXTTOKENPTR	
					Address of context token
16	(10)	ADDRESS	8	ATR4RUSFENVINFOPTR	
					Address of environment info
24	(18)	ADDRESS	8	ATR4RUSFSIDEINFOOPTIONSPTR	
					Address of side info options

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4SENVPARMLIST	
0	(0)	ADDRESS	8	ATR4SENVRETURNCODEPTR	
					Address of return code
8	(8)	ADDRESS	8	ATR4SENVDIAGAREAPTR	
					Address of diagnostic area
16	(10)	ADDRESS	8	ATR4SENVSCOPEPTR	
					Address of env setting scope
24	(18)	ADDRESS	8	ATR4SENVCONTEXTTOKENPTR	
					Address of context token
32	(20)	ADDRESS	8	ATR4SENVSTOKENPTR	
					Address of Stoken
40	(28)	ADDRESS	8	ATR4SENVELEMENTCOUNTPTR	
					Address of element count
48	(30)	ADDRESS	8	ATR4SENVENVSETTINGIDPTR	
					Address of env setting id
56	(38)	ADDRESS	8	ATR4SENVENVSETTINGPTR	
					Address of env setting
64	(40)	ADDRESS	8	ATR4SENVENVSETTINGPROCTPTR	
					Address of env setting protection

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATR4RENVPARMLIST	
0	(0)	ADDRESS	8	ATR4RENVRETURNCODEPTR	
					Address of return code
8	(8)	ADDRESS	8	ATR4RENVDIAGAREAPTR	
					Address of diagnostic area
16	(10)	ADDRESS	8	ATR4RENVSCOPEPTR	
					Address of env setting scope
24	(18)	ADDRESS	8	ATR4RENVCONTEXTTOKENPTR	
					Address of context token
32	(20)	ADDRESS	8	ATR4RENVSTOKENPTR	
					Address of Stoken
40	(28)	ADDRESS	8	ATR4RENVELEMENTCOUNTPTR	
					Address of element count
48	(30)	ADDRESS	8	ATR4RENVENVSETTINGIDPTR	
					Address of env setting id
56	(38)	ADDRESS	8	ATR4RENVENVSETTINGPTR	
					Address of env setting
64	(40)	ADDRESS	8	ATR4RENVENVSETTINGPROCTPTR	
					Address of env setting protection

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ATRRINST	
0	(0)	CHARACTER	8	ATRRINST_EYECATCHER	
8	(8)	BITSTRING	1	ATRRINST_VERSIONNUMBER	
9	(9)	BITSTRING	3	ATRRINST_LENGTH	
12	(C)	ADDRESS	4	ATRRINST_SELFADDRESS	
16	(10)	BITSTRING	4	ATRRINST_INSTALLEDFUNCTIONFLAGS (0)	
16	(10)	BITSTRING	1	ATRRINST_INSTALLEDFUNCTIONBYTE1	Byte 1 of function flag
		1...		ATRLOCALTRANSACTIONSSUPPORTINSTALLED	"X'80'" Indicates that the RRS Local Transactions SPE is installed on this system.
		.1..		ATRMULTISYSTEMCASCADEDINSTALLED	"X'40'" Indicates that the RRS Multi-system cascaded Transactions are supported on this system.
		..1.		ATRSUBORDINATEFAILEDEXITSUPPORT	"X'20'" Indicates that resource managers can set a subordinate failed exit on this system
		...1		ATRRESTARTANYTIMESUPPORTED	"X'10'" Indicates that RRS supports RM restart anywhere on the plex where RRS is active.
		.... 1...		ATR64BITADDRESSABILITYSUPPORTED	"X'08'" Indicates that RRS supports 64 bit addressible callers.
		.... .1..		ATRCOMMITEXITTIERLEVELSUPPORTED	"X'04'" Indicates that RRS supports tier level scheduling of Commit exit routines.
		.... ..1.		ATREXITDEFERSUPPORT	"X'02'" Indicates that resource managers can defer its exits
		1		ATRATRQUERYPDATASUPPORTED	"X'01'" Indicates retrievel of Pi data is allowed on atrquery
17	(11)	BITSTRING	1	ATRRINST_INSTALLEDFUNCTIONBYTE2	Byte 2 of function flag
		1...		ATRDELETERMSUPPORTED	"X'80'" Indicates that RRS supports the deleting of RMs that don't have outstanding interests.
		.1..		ATRRMMETADATA8KSUPPORTED	"X'40'" Indicates that RRS supports 8K RM Meta Data.
		..1.		ATRPRE_PREPAREEXITSUPPORT	"X'20'" Indicates that RRS supports Pre-Prepare Exits.
18	(12)	BITSTRING	1	ATRRINST_INSTALLEDFUNCTIONBYTE3	Byte 3 of function flag
19	(13)	BITSTRING	1	ATRRINST_INSTALLEDFUNCTIONBYTE4	Byte 4 of function flag
20	(14)	CHARACTER	12		RESERVED

ATRRASM Cross Reference

Name	Hex Offset	Hex Value
ATR_ABAK_NOT_ADDR	0	1A0001
ATR_ABAK_PRIM_ADDR	0	1A0000
ATR_ACMT_NOT_ADDR	0	1B0001
ATR_ACMT_PRIM_ADDR	0	1B0000
ATR_ACTION_INV	0	36B
ATR_ADCT_NOT_ADDR	0	220001
ATR_ADCT_PRIM_ADDR	0	220000
ATR_ADDRESS_SPACE_SCOPE	0	1
ATR_AFGT_NOT_ADDR	0	1C0001
ATR_AFGT_PRIM_ADDR	0	1C0000
ATR_AFTER_IN_PREPARE	0	745
ATR_AFTER_NEW_UR	0	73C
ATR_ALCC_NOT_ADDR	0	1E0001
ATR_ALCC_PRIM_ADDR	0	1E0000
ATR_ALL_DEFERRED	0	C

Name	Hex Offset	Hex Value
ATR_ALREADY_DEFERRED	0	B
ATR_APPL_COMPLETE	0	21
ATR_APPL_COMPLETE_INV	0	758
ATR_APPL_COMPLETE_INV_STATE	0	761
ATR_APRP_NOT_ADDR	0	1D0001
ATR_APRP_PRIM_ADDR	0	1D0000
ATR_ASCMODE_INV	0	101
ATR_ASYNC_ABEND	0	8
ATR_ASYNC_ABEND_RSN	0	9
ATR_ASYNC_MEMTERM	0	A
ATR_AUTH_FAILURE	0	3AB
ATR_AUTH_FAILURE_GENERATE_OPTION	0	3B5
ATR_AUTH_FAILURE_RETRIEVE_OPTION	0	3B4
ATR_BACKED_OUT	0	12C
ATR_BACKED_OUT_OUTCOME_MIXED	0	12E
ATR_BACKED_OUT_OUTCOME_PENDING	0	12D
ATR_BACKOUT_CODE_INV	0	394
ATR_BACKOUT_EXIT	0	5
ATR_BACKOUT_OK	0	0
ATR_BACKOUT_REQUIRED	0	1
ATR_BEG_NOT_ADDR	0	230001
ATR_BEG_PRIM_ADDR	0	230000
ATR_BREAK_TREE	0	10
ATR_CASCADED	0	1
ATR_CASCADED_UR	0	760
ATR_CASCADED_UR_DISALLOWS_COMMIT	0	756
ATR_CCUR_NOT_ADDR	0	1F0001
ATR_CCUR_PRIM_ADDR	0	1F0000
ATR_CHILD_AUTH_FAILURE	0	3A5
ATR_CHILD_CONTEXT_TOKEN_INV	0	39B
ATR_CHILD_DU_TERMINATING	0	39F
ATR_CHILD_UR_STATE_ERROR	0	744
ATR_COMMIT_ACTION	0	1
ATR_COMMIT_CODE_INV	0	374
ATR_COMMIT_EXIT	0	4
ATR_COMMIT_NO_PRIORITY	0	0
ATR_COMMIT_OK	0	0
ATR_COMMIT_OPTIONS_INV	0	3AE
ATR_COMMIT_TIER_ONE_MISMATCH	0	3B7
ATR_COMMIT_TIER_ONE_PRIORITY	0	20000
ATR_COMMIT_TIER_ONE_SRB_INV	0	3B3
ATR_COMMITTED	0	18
ATR_COMMITTED_OUTCOME_MIXED	0	66
ATR_COMMITTED_OUTCOME_PENDING	0	65
ATR_COMP_CODE_INV	0	379
ATR_COMPLETION_EXIT	0	8
ATR_CONDITIONAL	0	1
ATR_CONDITIONAL_INT_MASK	0	0
ATR_CONTEXT_SCOPE	0	2
ATR_CONTEXT_TOKEN_INV	0	361
ATR_CREATE_CASCADED_UR_MASK	0	1000
ATR_CREATE_OPTIONS_INV	0	3AD
ATR_CREATE_STANDARD_UR_MASK	0	0
ATR_CRGSEIF_VALUE_2	0	
ATR_CRGSEIF_VALUE_2_BYTE1	0	
ATR_CRGSEIF_VALUE_2_BYTE2	0	
ATR_CRGSEIF_VALUE_2_BYTE3	0	
ATR_CRGSEIF_VALUE_2_BYTE4	1	
ATR_CTOKEN_NOT_ZERO	0	803
ATR_CUR_UR_TOKEN_NOT_CURRENT	0	805
ATR_CURRENT	0	0
ATR_DEFAULT_SCOPE	0	3
ATR_DEFER	0	0
ATR_DEFER_EXPLICIT	0	1
ATR_DEFER_IMPLICIT	0	0
ATR_DEFER_MULT	0	1
ATR_DEFER_NOT_VALID		

Name	Hex Offset	Hex Value
	0	D
ATR_DEFER_SINGLE		
	0	2
ATR_DEFER_SRB_NOT_VALID		
	0	E
ATR_DINT_NOT_ADDR		
	0	10001
ATR_DINT_PRIM_ADDR		
	0	10000
ATR_DISTRIBUTED_SYNCPOINT_EXIT		
	0	3
ATR_DO_NOT_GENERATE		
	0	0
ATR_DONT_END_CONTEXT_MASK		
	0	0
ATR_DPSP_NOT_ADDR		
	0	210001
ATR_DPSP_PRIM_ADDR		
	0	210000
ATR_DRIVE_BACKOUT		
	0	11
ATR_DRIVE_BACKOUT_EXIT		
	0	FFF
ATR_DRIVE_COMMIT_EXIT		
	0	FFF
ATR_DRIVE_COMPLETION		
	0	14
ATR_DRIVE_PREPARE_EXIT		
	0	FFF
ATR_DSRM	0	2
ATR_DU_TERMINATING		
	0	36A
ATR_EF_ON_LATER_WITH_ASYNC		
	0	80
ATR_EID	0	1
ATR_EINT_NOT_ADDR		
	0	20001
ATR_EINT_PRIM_ADDR		
	0	20000
ATR_ELEMENT_COUNT_INV		
	0	392
ATR_EM_UNAVAILABLE		
	0	8009
ATR_EM_WRONG_STATE		
	0	8007
ATR_END_CONTEXT_MASK		
	0	100
ATR_END_NOT_ADDR		
	0	240001
ATR_END_PRIM_ADDR		
	0	240000
ATR_END_UR_EXIT		
	0	6
ATR_ENV_SETTING_ID_INV		
	0	364
ATR_ENV_SETTING_INV		
	0	365
ATR_ENVIRONMENT_INV		
	0	109
ATR_ENVIRONMENT_NOT_SET		
	0	0
ATR_EXIT_ABENDED		
	0	2
ATR_EXIT_ABENDED_RSN		
	0	7
ATR_EXIT_BACKOUT_NOT_SPECIFIED		
	0	8002
ATR_EXIT_COMMIT_NOT_SPECIFIED		
	0	8001
ATR_EXIT_EXIT_FAILED_NOT_SPECIFIED		
	0	8003
ATR_EXIT_FAILED_EXIT		
	0	7
ATR_EXIT_NUMBER_INV		
	0	378
ATR_EXIT_OPTS_RSRVD		
	0	7F
ATR_EXIT_PREPARE_NOT_SPECIFIED		
	0	8000
ATR_EXIT_RC_NOT_VALID		
	0	1
ATR_EXIT_TYPE_PC		
	0	2
ATR_EXIT_TYPE_PCS		
	0	4
ATR_EXIT_TYPE_SRB		
	0	1
ATR_EXTENDED_STATES		
	0	1
ATR_FAIL_FORGET		
	0	2
ATR_FAIL_FUTURE		
	0	1
ATR_FAIL_STANDARD		
	0	0
ATR_FAILURE_ACTION_INCORRECT		
	0	386
ATR_FAILURE_ACTION_INV		
	0	372
ATR_FLIGHT_OPTION_INV		
	0	396
ATR_FORGET	0	8
ATR_FORGET_NOT_REQUIRED		
	0	11
ATR_FORGET_NOT_VALID		
	0	6
ATR_FORGOTTEN		
	0	A
ATR_GEN_LUWID_NOT_ALLOWED_LOCAL		
	0	765
ATR_GEN_NOT_ALLOWED_EID		
	0	74D
ATR_GEN_NOT_ALLOWED_NO_LUNAME		
	0	748
ATR_GEN_NOT_ALLOWED_NO_URI_TOKEN		
	0	753
ATR_GEN_REQUIRED_XID		
	0	751
ATR_GEN_XID_NOT_ALLOWED_LOCAL		
	0	767
ATR_GENERATE	0	1
ATR_GENERATE_OPTION_INV		
	0	388
ATR_GLOBAL_MODE		
	0	1
ATR_GLOBAL_MODE_MASK		
	0	10000
ATR_HARDENED_DATA_LOST		
	0	F01
ATR_HEURISTIC_MIX		

Name	Hex Offset	Hex Value
	0	0
ATR_HYBRID_GLOBAL_MODE		
	0	3
ATR_HYBRID_GLOBAL_MODE_ERROR		
	0	804
ATR_HYBRID_GLOBAL_MODE_MASK		
	0	40000
ATR_IBRS_NOT_ADDR		
	0	30001
ATR_IBRS_PRIM_ADDR		
	0	30000
ATR_ID_CONFLICT		
	0	757
ATR_IERS_NOT_ADDR		
	0	40001
ATR_IERS_PRIM_ADDR		
	0	40000
ATR_IGNORE_SUBORDINATE_FAILURE_MASK		
	0	0
ATR_IMMED	0	0
ATR_IMMEDIATE		
	0	2
ATR_IMMEDIATE_BACKOUT		
	0	20
ATR_IN_BACKOUT		
	0	6
ATR_IN_COMMIT		
	0	5
ATR_IN_COMPLETION		
	0	9
ATR_IN_DOUBT	0	4
ATR_IN_END	0	7
ATR_IN_FLIGHT		
	0	1
ATR_IN_FORGET		
	0	B
ATR_IN_ONLY_AGENT		
	0	8
ATR_IN_PREPARE		
	0	3
ATR_IN_RESET	0	0
ATR_IN_STATE_CHECK		
	0	2
ATR_INTEREST_COUNT_MASK		
	0	1
ATR_INTEREST_OPTIONS_INV		
	0	3AC
ATR_INTEREST_TYPE_INV		
	0	371
ATR_INTERRUPT_STATUS_INV		
	0	103
ATR_INV_FOR_RESTART_INTEREST		
	0	73D
ATR_IRLN_NOT_ADDR		
	0	50001
ATR_IRLN_PRIM_ADDR		
	0	50000
ATR_IRNI_NOT_ADDR		
	0	60001
ATR_IRNI_PRIM_ADDR		
	0	60000
ATR_IRRI_NOT_ADDR		
	0	70001
ATR_IRRI_PRIM_ADDR		
	0	70000
ATR_ISLN_NOT_ADDR		
	0	80001
ATR_ISLN_PRIM_ADDR		
	0	80000
ATR_LAST_AGENT		
	0	1
ATR_LATER_INV		
	0	381
ATR_LOCAL_MODE		
	0	2
ATR_LOCAL_MODE_MASK		
	0	20000
ATR_LOCAL_TRAN_MODE_INV		
	0	764
ATR_LOCKS_HELD		
	0	105
ATR_LOG_OPT_INV		
	0	395
ATR_LUWID	0	0
ATR_LUWID_DATA_INV		
	0	393
ATR_LUWID_NOT_AVAILABLE		
	0	73F
ATR_MAX_EID_LENGTH		
	0	2C
ATR_MAX_LUWID_LENGTH		
	0	1A
ATR_MAX_PDATA_LENGTH		
	0	1000
ATR_MAX_RM_LOGNAME_LENGTH		
	0	40
ATR_MAX_RM_METADATA_LENGTH		
	0	2000
ATR_MAX_UR_LOG_DATA_EXCEEDED		
	0	749
ATR_MAX_XID_LENGTH		
	0	8C
ATR_MEMTERM	0	5
ATR_MIN_EID_LENGTH		
	0	C
ATR_MIN_LUWID_LENGTH		
	0	A
ATR_MIN_XID_LENGTH		
	0	D
ATR_MODE_INV	0	104
ATR_MULTIPLE_INTEREST_COUNT_MASK		
	0	40
ATR_MULTIPLE_INTEREST_OPTION_INV		
	0	391
ATR_MULTIPLE_INTERESTS		
	0	2
ATR_NEW_LUWID_PSH_UNACCEPTABLE		
	0	13
ATR_NEXT	0	1
ATR_NO_CASCADE_TO_PARENT		
	0	763
ATR_NO_COMPLETION_EXIT_SET		
	0	73E
ATR_NO_DIST_SYNC_EXIT		
	0	732
ATR_NO_FAMILY		
	0	0
ATR_NO_INTERESTS_MASK		
	0	1
ATR_NO_LUWID_GEN_FOR_UR		

Name	Hex Offset	Hex Value
	0	765
ATR_NO_MORE_INCOMPLETE_INTERESTS		
	0	4
ATR_NO_MORE_THAN_ONE_INTEREST		
	0	1
ATR_NO_SIDE_INFO_FOR_UR		
	0	766
ATR_NO_XID_GEN_FOR_UR		
	0	767
ATR_NORM_CTX_END_SETTING		
	0	2
ATR_NORMAL_INTEREST		
	0	0
ATR_NOT_ALLOWED_FOR_UR		
	0	764
ATR_NOT_AVAILABLE		
	0	F00
ATR_NOT_PROTECTED_INTEREST		
	0	730
ATR_NOT_RETRIEVED_INTEREST		
	0	741
ATR_NOT_SERVER_DSRM		
	0	74A
ATR_NOT_SET	0	0
ATR_NOTIFY_SUBORDINATE_FAILURE_MASK		
	0	200000
ATR_OK	0	0
ATR_OK_NO_CONTEXT		
	0	10
ATR_ONE_INTEREST_COUNT_MASK		
	0	20
ATR_ONLY_AGENT_EXIT		
	0	9
ATR_PARENT_AUTH_FAILURE		
	0	3A4
ATR_PARENT_DU_TERMINATING		
	0	39E
ATR_PARENT_LOCAL_TRAN_MODE_INV		
	0	763
ATR_PARENT_UR_STATE_ERROR		
	0	743
ATR_PARENT_UR_TOKEN_INV		
	0	39A
ATR_PARTIAL_PERSISTENT_DATA		
	0	5
ATR_PARTIAL_RM_LOGNAME		
	0	9
ATR_PARTIAL_RM_METADATA		
	0	B
ATR_PARTIAL_UWID_DATA		
	0	A
ATR_PARTICIPANT		
	0	0
ATR_PDUE_NOT_ADDR		
	0	90001
ATR_PDUE_PRIM_ADDR		
	0	90000
ATR_PERSIS_DATA_BUF_LEN_INV		
	0	37D
ATR_PERSISTENT_DATA_LEN_INV		
	0	376
ATR_PERSISTENT_DATA_NOT_ALLOWED		
	0	389
ATR_PET_AUTH_FAILURE		
	0	3A8
ATR_PET_INV	0	3A6
ATR_PET_NOT_ASSOCIATED		
	0	3AA
ATR_PET_OUTDATED		
	0	3A7
ATR_PET_SPACE_FAILURE		
	0	3A9
ATR_POST_NOT_PENDING		
	0	740
ATR_PRE_PREPARE_EXIT		
	0	B
ATR_PREFLIGHT		
	0	C
ATR_PREPARE_ABSTAIN		
	0	14
ATR_PREPARE_CODE_INCORRECT		
	0	387
ATR_PREPARE_CODE_INV		
	0	373
ATR_PREPARE_EXIT		
	0	2
ATR_PREPARE_OK		
	0	0
ATR_PRESUME_ABORT_MASK		
	0	10000
ATR_PRESUME_NOTHING_MASK		
	0	0
ATR_PRESUMED_ABORT		
	0	1
ATR_PRESUMED_NOTHING		
	0	0
ATR_PRESUMED_NOTHING_INVALID		
	0	762
ATR_PROGRAM_STATE_CHECK		
	0	C8
ATR_PROT_LOGGED		
	0	2
ATR_PROTECTED		
	0	1
ATR_PROTECTED_INT_MASK		
	0	0
ATR_PROTECTED_INTEREST		
	0	739
ATR_PROTECTED_SETTING		
	0	2
ATR_PROTLEVEL_INV		
	0	36C
ATR_RC_INCORRECT_AFTER_POST		
	0	4
ATR_RDTA_NOT_ADDR		
	0	290001
ATR_RDTA_PRIM_ADDR		
	0	290000
ATR_REDRIVE_LIMIT		
	0	3
ATR_REIC_NOT_ADDR		
	0	A0001
ATR_REIC_PRIM_ADDR		
	0	A0000
ATR_REMOVE_INT_ON_FAIL_MASK		
	0	100000
ATR_REMOVE_SDSRM_INTEREST_MASK		
	0	0
ATR_RENV_NOT_ADDR		
	0	270001

Name	Hex Offset	Hex Value
ATR_RENV_PRIM_ADDR	0	270000
ATR_REQUESTED_WID_UNAVAILABLE	0	7
ATR_RESET_APPL_COMPLETE	0	22
ATR_RESET_STATE	0	6
ATR_RESOLVED_BY_INSTALLATION	0	16
ATR_RESPOND_COMPLETE	0	1
ATR_RESPOND_CONTINUE	0	0
ATR_RESPOND_CONTINUE_REQUIRED	0	750
ATR_RESPONSE_CODE_INCORRECT	0	385
ATR_RESPONSE_CODE_INV	0	384
ATR_RESPONSE_NOT_PENDING	0	742
ATR_RESTART_COMPLETE_STATE	0	3
ATR_RESTART_IN_PROGRESS_STATE	0	7
ATR_RESTART_INCOMPLETE	0	73A
ATR_RESTART_INTEREST	0	1
ATR_RESTART_STATE	0	2
ATR_RESTART_WRONG_SYSTEM	0	F02
ATR_RESYNC_IN_PROGRESS	0	12
ATR_RETRIEVE_NEXT_EID_INV	0	754
ATR_RETRIEVE_NEXT_XID_INV	0	755
ATR_RETRIEVE_OPTION_INV	0	37E
ATR_RID_NOT_ADDR	0	B0001
ATR_RID_PRIM_ADDR	0	B0000
ATR_RM_ACTIVE_ON_ANOTHER_SYSTEM	0	8004
ATR_RM_ALREADY_HAS_INTEREST	0	8
ATR_RM_ATTR_INCORRECT	0	738
ATR_RM_COORD_OK_MASK	0	2
ATR_RM_EXITS_UNSET	0	702
ATR_RM_GROUP_RRS_DOWNLEVEL	0	F07
ATR_RM_IS_THE_SDSRM	0	748
ATR_RM_LOGNAME_BUF_LEN_INV	0	37C
ATR_RM_LOGNAME_INV	0	37A
ATR_RM_LOGNAME_LEN_INV	0	37B
ATR_RM_LOGNAME_NOT_SET	0	6
ATR_RM_METADATA_BUFFER_LEN_INV	0	38B
ATR_RM_METADATA_LEN_INV	0	38A
ATR_RM_METADATA_LOG_UNAVAILABLE	0	38C
ATR_RM_METADATA_UNSUPPORTED	0	800A
ATR_RM_NEW_KEY_INV	0	8005
ATR_RM_OPTS_RSRVD	0	3F
ATR_RM_STATE_ERROR	0	701
ATR_RM_TOKEN_INV	0	301
ATR_RM_WRONG_STATE	0	8008
ATR_RM_8K_METADATA_NOT_ALLOWED	0	38D
ATR_ROLE_CHANGE_AFTER_SYNC	0	74F
ATR_ROLE_ERROR_CASCADED_UR	0	759
ATR_ROLE_INCORRECT	0	746
ATR_ROLE_INV	0	390
ATR_ROLLBACK_ACTION	0	2
ATR_RRS_MUST_COORD_MASK	0	4
ATR_RRS_STOKEN	0	
ATR_RRS_STOKEN_NAME	0	C1E3D9D9
ATR_RUN_STATE	0	4
ATR_RURD_NOT_ADDR	0	C0001
ATR_RURD_PRIM_ADDR	0	C0000
ATR_RUSI_NOT_ADDR	0	D0001
ATR_RUSI_PRIM_ADDR	0	D0000
ATR_RWID_NOT_ADDR	0	E0001
ATR_RWID_PRIM_ADDR	0	E0000
ATR_SAME_CHILD_CONTEXT_INV	0	3A2
ATR_SAME_CURRENT_CONTEXT_INV	0	3A0
ATR_SAME_PARENT_CONTEXT_INV	0	3A1
ATR_SCOPE_INV	0	366
ATR_SDSRM	0	3
ATR_SDSRM_DISALLOWS_COMMIT	0	74C
ATR_SDSRM_INITIATED	0	15

Name	Hex Offset	Hex Value
ATR_SDTA_NOT_ADDR	0	280001
ATR_SDTA_PRIM_ADDR	0	280000
ATR_SEIF_PARM_NOT_ADDR	0	8006
ATR_SEIF_REMD_BAD_RC	0	150000
ATR_SEIF_SEMD_BAD_RC	0	150001
ATR_SENV_NOT_ADDR	0	260001
ATR_SENV_PRIM_ADDR	0	260000
ATR_SET_NEXT_EID_INV	0	74E
ATR_SET_NEXT_XID_INV	0	752
ATR_SET_OPTION_INV	0	37F
ATR_SET_STATE	0	1
ATR_SETTING_PROTECTED	0	801
ATR_SI_GLOBAL_MODE	0	24
ATR_SI_LOCAL_MODE	0	23
ATR_SIDE_INFO_ID_INV	0	383
ATR_SIDE_INFO_ID_LOCAL_INV	0	766
ATR_SIDE_INFORMATION_OPTIONS_INVALID	0	3AF
ATR_SIDE_VALUE_NOT_SET	0	0
ATR_SIDE_VALUE_SET	0	1
ATR_SIT_NOT_ADDR	0	F0001
ATR_SIT_PRIM_ADDR	0	F0000
ATR_SPID_NOT_ADDR	0	100001
ATR_SPID_PRIM_ADDR	0	100000
ATR_SPSP_NOT_ADDR	0	200001
ATR_SPSP_PRIM_ADDR	0	200000
ATR_SROI_ALREADY_DONE	0	736
ATR_SROI_NOT_ADDR	0	110001
ATR_SROI_PRIM_ADDR	0	110000
ATR_SSPC_NOT_ADDR	0	120001
ATR_SSPC_PRIM_ADDR	0	120000
ATR_SSPC_ROLE_ERROR_DSRM	0	733
ATR_SSPC_ROLE_ERROR_LAST_AGENT	0	734
ATR_SSPC_ROLE_ERROR_SERVER_DSRM	0	74B
ATR_STANDARD_COMMIT_MASK	0	0
ATR_STANDARD_FAIL_MASK	0	0
ATR_STANDARD_STATES	0	0
ATR_STANDARD_XID_MASK	0	0
ATR_STATE_CHECK_EXIT	0	1
ATR_STATES_OPTION_INV	0	398
ATR_STKN_TOKEN	0	
ATR_STOKEN_INV	0	362
ATR_STOKEN_NOT_ZERO	0	802
ATR_SUBORDINATE_FAILED_EXIT	0	A
ATR_SUBORDINATE_FAILED_EXIT_INV	0	3B2
ATR_SUBORDINATE_FAILED_EXIT_NOT_DEFINED	0	3B1
ATR_SUPPORTS_LOCAL_TRAN_MODE	0	80
ATR_SUSI_NOT_ADDR	0	130001
ATR_SUSI_PRIM_ADDR	0	130000
ATR_SWID_NOT_ADDR	0	140001
ATR_SWID_PRIM_ADDR	0	140000
ATR_TERM_SYNCPOINT	0	17
ATR_TERMINATING_SYNCPOINT	0	747
ATR_TOKEN_LEVEL	8	
ATR_TOKEN_LEVEL_VALUE	0	1
ATR_TRAN_MODE_INV	0	363
ATR_TRAN_MODE_SETTING	0	1
ATR_TWO_PHASE_PROTOCOL_INV	0	375
ATR_UNCOND_INT_MASK	0	0
ATR_UNCONDITIONAL	0	0
ATR_UNEXPECTED_CTX_ERROR	0	F05
ATR_UNEXPECTED_ERROR	0	FFF
ATR_UNEXPECTED_UR_ERROR	0	F04
ATR_UNPROT_INT_MASK	0	0
ATR_UNPROTECTED	0	0
ATR_UNPROTECTED_SETTING	0	1

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

Name	Hex Offset	Hex Value
ATRCCUR3CHILDURID	10	
ATRCCUR3CHILDURTOKEN	C	
ATRCCUR3CREATEOPTIONS	14	
ATRCCUR3PARENTURTOKENPTR	4	
ATRCCUR3PARMLIST	0	
ATRCCUR3RETURNCODEPTR	0	
ATRCMITPARMLIST	0	
ATRCMITRETURNCODEPTR	0	
ATRCOMMITEXITTIERLEVELSUPPORTED	10	4
ATRDELETERMSUPPORTED	11	80
ATRDINTPARMLIST	0	
ATRDINTRETURNCODEPTR	0	
ATRDINTURITOKENPTR	4	
ATRDPSP2PARMLIST	0	
ATRDPSP2PETOKENPTR	8	
ATRDPSP2RETURNCODEPTR	0	
ATRDPSP2URTOKENPTR	4	
ATREINTCONTEXTTOKENPTR	8	
ATREINTCURRCONTEXTTOKENPTR	10	
ATREINTCURRNONPDATAPTR	2C	
ATREINTFAILUREACTIONPTR	20	
ATREINTINTERESTTYPEPTR	1C	
ATREINTMULTIPLEINTERESTOPTION	18	
ATREINTNONPERSISTENTDATAPTR	28	
ATREINTPARMLIST	0	
ATREINTPDATALENGTHPTR	30	
ATREINTPDATAPTR	34	
ATREINTRETURNCODEPTR	0	
ATREINTRMTOKENPTR	4	
ATREINTTWOPHASEPROTOCOLPTR	24	
ATREINTURIDPTR	14	
ATREINTURITOKENPTR	C	
ATREINT1CONTEXTTOKENPTR	8	
ATREINT1CURRCONTEXTTOKENPTR	10	
ATREINT1CURRNONPDATAPTR	2C	
ATREINT1FAILUREACTIONPTR	20	
ATREINT1INTERESTTYPEPTR	1C	
ATREINT1MULTIPLEINTERESTOPTION	18	
ATREINT1NONPERSISTENTDATAPTR	28	
ATREINT1PARMLIST	0	
ATREINT1PDATALENGTHPTR	30	
ATREINT1PDATAPTR	34	
ATREINT1RETURNCODEPTR	0	
ATREINT1RMTOKENPTR	4	
ATREINT1TWOPHASEPROTOCOLPTR	24	
ATREINT1URIDPTR	14	
ATREINT1URITOKENPTR	C	
ATREINT1XIDLENGTHPTR	38	
ATREINT1XIDPTR	3C	
ATREINT2CONTEXTTOKENPTR	8	
ATREINT2CURRCONTEXTTOKENPTR	10	
ATREINT2CURRNONPDATAPTR	2C	
ATREINT2FAILUREACTIONPTR	20	
ATREINT2INTERESTTYPEPTR	1C	
ATREINT2MULTIPLEINTERESTOPTION	18	
ATREINT2NONPERSISTENTDATAPTR	28	
ATREINT2PARENTURTOKENPTR	44	
ATREINT2PARMLIST	0	
ATREINT2PDATALENGTHPTR	30	
ATREINT2PDATAPTR	34	
ATREINT2RETURNCODEPTR	0	
ATREINT2RMTOKENPTR	4	
ATREINT2TWOPHASEPROTOCOLPTR	24	
ATREINT2URFAMILYOPTIONPTR	40	
ATREINT2URIDPTR	14	

Name	Hex Offset	Hex Value
ATREINT2URITOKENPTR	C	
ATREINT2XIDLENGTHPTR	38	
ATREINT2XIDPTR	3C	
ATREINT3CONTEXTTOKENPTR	8	
ATREINT3CURRCONTEXTTOKENPTR	10	
ATREINT3CURRNONPDATAPTR	2C	
ATREINT3DIAGAREAPTR	40	
ATREINT3FAILUREACTIONPTR	20	
ATREINT3INTERESTTYPEPTR	1C	
ATREINT3MULTIPLEINTERESTOPTION	18	
ATREINT3NONPERSISTENTDATAPTR	28	
ATREINT3PARMLIST	0	
ATREINT3PDATALENGTHPTR	30	
ATREINT3PDATAPTR	34	
ATREINT3RETURNCODEPTR	0	
ATREINT3RMTOKENPTR	4	
ATREINT3TRANMODEPTR	44	
ATREINT3TWOPHASEPROTOCOLPTR	24	
ATREINT3URIDPTR	14	
ATREINT3URITOKENPTR	C	
ATREINT3XIDLENGTHPTR	38	
ATREINT3XIDPTR	3C	
ATREINT4CONTEXTTOKENPTR	8	
ATREINT4CURRCONTEXTTOKENPTR	10	
ATREINT4CURRNONPDATAPTR	2C	
ATREINT4DIAGAREAPTR	48	
ATREINT4FAILUREACTIONPTR	20	
ATREINT4INTERESTTYPEPTR	1C	
ATREINT4MULTIPLEINTERESTOPTION	18	
ATREINT4NONPERSISTENTDATAPTR	28	
ATREINT4PARENTURTOKENPTR	44	
ATREINT4PARMLIST	0	
ATREINT4PDATALENGTHPTR	30	
ATREINT4PDATAPTR	34	
ATREINT4RETURNCODEPTR	0	
ATREINT4RMTOKENPTR	4	
ATREINT4TRANMODEPTR	4C	
ATREINT4TWOPHASEPROTOCOLPTR	24	
ATREINT4URFAMILYOPTIONPTR	40	
ATREINT4URIDPTR	14	
ATREINT4URITOKENPTR	C	
ATREINT4XIDLENGTHPTR	38	
ATREINT4XIDPTR	3C	
ATREINT5CONTEXTTOKENPTR	8	
ATREINT5CURRCONTEXTTOKENPTR	14	
ATREINT5CURRNONPDATAPTR	24	
ATREINT5DIAGAREAPTR	3C	
ATREINT5INTERESTOPTIONS	1C	
ATREINT5NONPERSISTENTDATAPTR	20	
ATREINT5PARENTURTOKENPTR	38	
ATREINT5PARMLIST	0	
ATREINT5PDATALENGTHPTR	28	
ATREINT5PDATAPTR	2C	
ATREINT5RETURNCODEPTR	0	
ATREINT5RMTOKENPTR	4	
ATREINT5TRANMODEPTR	40	
ATREINT5URIDPTR	18	
ATREINT5URITOKENPTR	C	
ATREINT5URTOKENPTR	10	
ATREINT5XIDLENGTHPTR	30	
ATREINT5XIDPTR	34	
ATRENDACTIONPTR	8	
ATRENDCURRURTOKENPTR	C	
ATRENDDIAGAREAPTR	4	
ATRENDPARMLIST	0	

Name	Hex Offset	Hex Value
ATRENDRETURNCODEPTR	0	
ATREXITDEFERSUPPORT	10	2
ATRIBRSPARMLIST	0	
ATRIBRSRETURNCODEPTR	0	
ATRIBRSRMTOKENPTR	4	
ATRIERSPARMLIST	0	
ATRIERSRETURNCODEPTR	0	
ATRIERSRMTOKENPTR	4	
ATRIRLNPARMLIST	0	
ATRIRLNRETURNCODEPTR	0	
ATRIRLNRMLOGNAMEBUFLENPTR	8	
ATRIRLNRMLOGNAMELENGTHPTR	C	
ATRIRLNRMLOGNAMEPTR	10	
ATRIRLNRMTOKENPTR	4	
ATRIRLNRRSLOGNAMELENGTHPTR	14	
ATRIRLNRRSLOGNAMEPTR	18	
ATRIRNICONTEXTTOKENPTR	8	
ATRIRNIPARMLIST	0	
ATRIRNIPDATABUFFERLENGTHPTR	1C	
ATRIRNIPDATALENGTHPTR	20	
ATRIRNIPDATAPTR	24	
ATRIRNIRETURNCODEPTR	0	
ATRIRNIRMTOKENPTR	4	
ATRIRNIROLEPTR	14	
ATRIRNIURIDPTR	10	
ATRIRNIURITOKENPTR	C	
ATRIRNIURSTATEPTR	18	
ATRIRRINONPERSISTENTDATAPTR	C	
ATRIRRIPARMLIST	0	
ATRIRRIRESPONSECODEPTR	8	
ATRIRRIRETURNCODEPTR	0	
ATRIRRIURITOKENPTR	4	
ATRISLNPARMLIST	0	
ATRISLNRETURNCODEPTR	0	
ATRISLNRMLOGNAMELENGTHPTR	8	
ATRISLNRMLOGNAMEPTR	C	
ATRISLNRMTOKENPTR	4	
ATRLOCALTRANSACTIONSSUPPORTINSTALLED	10	80
ATRMULTISYSTEMCASCADEDINSTALLED	10	40
ATRPDUECOMPLETIONCODEPTR	C	
ATRPDUEEXITNUMBERPTR	8	
ATRPDUEPARMLIST	0	
ATRPDUERETURNCODEPTR	0	
ATRPDUEURITOKENPTR	4	
ATRPETRELCODE	0	
ATRPRE_PREPAREEXITSUPPORT	11	20
ATRRCDOERESYNCINPROGRESS	1	8
ATRRCODEBYTE1	0	
ATRRCODEBYTE2	1	
ATRRCODEBYTE3	2	
ATRRCODECASCADEDUR	2	10
ATRRCODECOMMIT	2	80
ATRRCODEHEURISTICMIXED	1	10
ATRRCODEIMMEDIATEBACKOUT	1	2
ATRRCODENONRRS	0	80
ATRRCODEPREPARERESULTFORGET	1	4
ATRRCODERESOLVEDBYINSTALLATION	1	20
ATRRCODERRSFAILED	0	40
ATRRCODETERMINATINGSYNCPOINT	1	40
ATRRCODETRANSACTIONMODE	2	C
ATRRDTAPARMLIST	0	
ATRRDTARETURNCODEPTR	0	
ATRRDTARMMETADATABUFFERLENGTHPTR	8	
ATRRDTARMMETADATALENGTHPTR	C	
ATRRDTARMMETADATAPTR	10	

Name	Hex Offset	Hex Value
ATRRDTARMTOKENPTR	4	
ATRREICCONTEXTTOKENPTR	4	
ATRREICINTERESTCOUNTINFOPTR	8	
ATRREICPARMLIST	0	
ATRREICRETURNCODEPTR	0	
ATRRENVCONTEXTTOKENPTR	C	
ATRRENVDIAGAREAPTR	4	
ATRRENVELEMENTCOUNTPTR	14	
ATRRENVENVSETTINGIDPTR	18	
ATRRENVENVSETTINGPROCTPTR	20	
ATRRENVENVSETTINGPTR	1C	
ATRRENVPARMLIST	0	
ATRRENVRETURNCODEPTR	0	
ATRRENVSCOPEPTR	8	
ATRRENVSTOKENPTR	10	
ATRRESTARTANYTIMESUPPORTED	10	10
ATRRIDEXPOFINTTYPEPTR	1C	
ATRRIDINTERESTTYPEPTR	18	
ATRRIDNONPERSISTENTDATAPTR	8	
ATRRIDPARMLIST	0	
ATRRIDPDATABUFFERLENGTHPTR	C	
ATRRIDPDATALENGTHPTR	10	
ATRRIDPDATAPTR	14	
ATRRIDRETURNCODEPTR	0	
ATRRIDROLEPTR	20	
ATRRIDURITOKENPTR	4	
ATRRINST	0	
ATRRINST_EYECATCHER	0	
ATRRINST_INSTALLEDFUNCTIONBYTE1	10	
ATRRINST_INSTALLEDFUNCTIONBYTE2	11	
ATRRINST_INSTALLEDFUNCTIONBYTE3	12	
ATRRINST_INSTALLEDFUNCTIONBYTE4	13	
ATRRINST_INSTALLEDFUNCTIONFLAGS	10	
ATRRINST_LENGTH	9	
ATRRINST_SELFADDRESS	C	
ATRRINST_VERSIONNUMBER	8	
ATRRMMETADATA8KSUPPORTED	11	40
ATRRURDPARMLIST	0	
ATRRURDRETURNCODEPTR	0	
ATRRURDURIDPTR	8	
ATRRURDURITOKENPTR	4	
ATRRURDURSTATEPTR	C	
ATRRURD1PARMLIST	0	
ATRRURD1RETURNCODEPTR	0	
ATRRURD1STATESOPTIONPTR	10	
ATRRURD1URIDPTR	8	
ATRRURD1URITOKENPTR	4	
ATRRURD1URSTATEPTR	C	
ATRRURD2PARMLIST	0	
ATRRURD2RETURNCODEPTR	0	
ATRRURD2STATESOPTIONPTR	10	
ATRRURD2URIDPTR	8	
ATRRURD2URORURITOKENPTR	4	
ATRRURD2URSTATEPTR	C	
ATRRURD2URTOKENPTR	14	
ATRRUSFCONTEXTTOKENPTR	4	
ATRRUSFENVINFOPTR	8	
ATRRUSFPARMLIST	0	
ATRRUSFRETURNCODEPTR	0	
ATRRUSF1CONTEXTTOKENPTR	4	
ATRRUSF1ENVINFOPTR	8	
ATRRUSF1PARMLIST	0	
ATRRUSF1RETURNCODEPTR	0	
ATRRUSF1SIDEINFOOPTIONSPTR	C	
ATRRUSIELEMENTCOUNTPTR	8	
ATRRUSIPARMLIST		

Name	Hex Offset	Hex Value
ATRRUSIRETURNCODEPTR	0	
ATRRUSISIDEINFOARRAYPTR	0	
ATRRUSISIDEINFOSTATEARRAYPTR	C	
ATRRUSIURITOKENPTR	10	
ATRRUSI2ELEMENTCOUNTPTR	4	
ATRRUSI2PARMLIST	8	
ATRRUSI2RETURNCODEPTR	0	
ATRRUSI2SIDEINFOARRAYPTR	0	
ATRRUSI2SIDEINFOSTATEARRAYPTR	C	
ATRRUSI2URORURITOKENPTR	10	
ATRRWIDGENERATEOPTIONPTR	4	
ATRRWIDPARMLIST	C	
ATRRWIDRETRIEVEOPTIONPTR	0	
ATRRWIDRETURNCODEPTR	8	
ATRRWIDURITOKENPTR	0	
ATRRWIDUWIDBUFFERLENPTR	4	
ATRRWIDUWIDDATAPTR	14	
ATRRWIDUWIDLENPTR	1C	
ATRRWIDUWIDTYPEPTR	18	
ATRRWID2GENERATEOPTIONPTR	10	
ATRRWID2PARMLIST	C	
ATRRWID2RETRIEVEOPTIONPTR	0	
ATRRWID2RETURNCODEPTR	8	
ATRRWID2URORURITOKENPTR	0	
ATRRWID2UWIDBUFFERLENPTR	4	
ATRRWID2UWIDDATAPTR	14	
ATRRWID2UWIDLENPTR	1C	
ATRRWID2UWIDTYPEPTR	18	
ATRSDTAPARMLIST	10	
ATRSDTARETURNCODEPTR	0	
ATRSDTARMMETADATALENGTHPTR	0	
ATRSDTARMMETADATAPTR	8	
ATRSDTARMTOKENPTR	C	
ATRSENVCONTEXTTOKENPTR	4	
ATRSENVDIAGAREAPTR	C	
ATRSENVELEMENTCOUNTPTR	4	
ATRSENVENVSETTINGIDPTR	14	
ATRSENVENVSETTINGPROCTPTR	18	
ATRSENVENVSETTINGPTR	20	
ATRSENVPARMLIST	1C	
ATRSENVRETURNCODEPTR	0	
ATRSENVSCOPEPTR	0	
ATRSENVSTOKENPTR	8	
ATRSITFAILUREACTIONPTR	10	
ATRSITINTERESTTYPEPTR	10	
ATRSITPARMLIST	C	
ATRSITPDATALENGTHPTR	0	
ATRSITPDATAPTR	14	
ATRSITRETURNCODEPTR	18	
ATRSITURIDPTR	0	
ATRSITURITOKENPTR	8	
ATRSPIDPARMLIST	4	
ATRSPIDPDATALENGTHPTR	0	
ATRSPIDPDATAPTR	8	
ATRSPIDRETURNCODEPTR	C	
ATRSPIDURITOKENPTR	0	
ATRSPSP2PARMLIST	4	
ATRSPSP2PETOKENPTR	0	
ATRSPSP2RETURNCODEPTR	8	
ATRSPSP2URTOKENPTR	0	
ATRSROIFAILUREACTIONPTR	4	
ATRSROIINTERESTTYPEPTR	14	
ATRSROINEWURITOKENPTR	10	
ATRSROINONPERSISTENTDATAPTR	8	
ATRSROIPARMLIST	18	

Name	Hex Offset	Hex Value
	0	
ATRSROIPDATALENGTHPTR		
	1C	
ATRSROIPDATAPTR		
	20	
ATRSROIRETURNCODEPTR		
	0	
ATRSROIURIDPTR		
	C	
ATRSROIURITOKENPTR		
	4	
ATRSROI1INTERESTOPTIONSPTR		
	10	
ATRSROI1NEWURITOKENPTR		
	8	
ATRSROI1NONPERSISTENTDATAPTR		
	14	
ATRSROI1PARMLIST		
	0	
ATRSROI1PDATALENGTHPTR		
	18	
ATRSROI1PDATAPTR		
	1C	
ATRSROI1RETURNCODEPTR		
	0	
ATRSROI1URIDPTR		
	C	
ATRSROI1URITOKENPTR		
	4	
ATRSSPCBACKOUTEXITCODEPTR		
	10	
ATRSSPCCOMMITEXITCODEPTR		
	C	
ATRSSPCPARMLIST		
	0	
ATRSSPCPREPAREEXITCODEPTR		
	8	
ATRSSPCRETURNCODEPTR		
	0	
ATRSSPCROLEPTR		
	14	
ATRSSPCURITOKENPTR		
	4	
ATRSUBORDINATEFAILEDEXITSUPPORT		
	10	20
ATRSUSIELEMENTCOUNTPTR		
	8	
ATRSUSIPARMLIST		
	0	
ATRSUSIRETURNCODEPTR		
	0	
ATRSUSISIDEINFOARRAYPTR		
	C	
ATRSUSIURITOKENPTR		
	4	
ATRSUSI2ELEMENTCOUNTPTR		
	8	
ATRSUSI2PARMLIST		
	0	
ATRSUSI2RETURNCODEPTR		
	0	
ATRSUSI2SIDEINFOARRAYPTR		
	C	
ATRSUSI2URORURITOKENPTR		
	4	
ATRSWIDPARMLIST		
	0	
ATRSWIDRETURNCODEPTR		
	0	
ATRSWIDSETOPTIONPTR		
	8	
ATRSWIDURITOKENPTR		
	4	
ATRSWIDUWIDDATAPTR		
	14	
ATRSWIDUWIDLENPTR		
	10	
ATRSWIDUWIDTYPEPTR		
	C	
ATRSWID2PARMLIST		
	0	
ATRSWID2RETURNCODEPTR		
	0	
ATRSWID2SETOPTIONPTR		
	8	
ATRSWID2URORURITOKENPTR		
	4	
ATRSWID2UWIDDATAPTR		
	14	
ATRSWID2UWIDLENPTR		
	10	
ATRSWID2UWIDTYPEPTR		
	C	
ATRX_ABSTAIN	0	14
ATRX_BACKOUT	0	8
ATRX_BACKOUT_OUTCOME_PENDING		
	0	C
ATRX_DEFER	0	40
ATRX_FORGET	0	10
ATRX_HC	0	24
ATRX_HM	0	2C
ATRX_HM_BACKOUT		
	0	38
ATRX_HM_COMMIT		
	0	3C
ATRX_HR	0	28
ATRX_LATER	0	30
ATRX_LATER_CONTINUE		
	0	34
ATRX_OK	0	0
ATRX_OK_OUTCOME_PENDING		
	0	4
ATRX_REDRIVE	0	1C
ATRX_STATE_INCORRECT		
	0	20
ATRX_UNSET_RM		
	0	404
ATRXFLAGAPPLICATIONASYNCABEND		
	1	40
ATRXFLAGCASCADEDUR		
	1	10
ATRXFLAGCOMMIT		
	1	80
ATRXFLAGHEURISTICMIXED		
	0	10
ATRXFLAGIMMEDIATEBACKOUT		
	0	2
ATRXFLAGPREPARERESULTFORGET		
	0	4
ATRXFLAGREDRIVELIMIT		

Name	Hex Offset	Hex Value
	0	1
ATRXFLAGRESOLVEDBYINSTALLATION		
	0	20
ATRXFLAGRESTARTINTEREST		
	0	80
ATRXFLAGRESYNCINPROGRESS		
	0	8
ATRXFLAGRETAININTINV		
	1	20
ATRXFLAGTERMINATINGSYNCPOINT		
	0	40
ATRXFLAGTRANSACTIONMODE		
	1	C
ATRXPARMEMNAMEPTR		
	10	
ATRXPARMEXITFLAGS		
	0	
ATRXPARMEXITFLAGSBYTE1		
	0	
ATRXPARMEXITFLAGSBYTE2		
	1	
ATRXPARMEXITFLAGSBYTE3		
	2	
ATRXPARMEXITFLAGSBYTE4		
	3	
ATRXPARMEXITFLAGSPTR		
	20	
ATRXPARMEXITNUMBERPTR		
	8	
ATRXPARMLIST	0	
ATRXPARMNONPERSISTENTDATAPTR		
	1C	
ATRXPARMRETURNCODEPTR		
	0	
ATRXPARMRMGLOBALDATAPTR		
	14	
ATRXPARMRMTOKENPTR		
	C	
ATRXPARMURITOKENPTR		
	18	
ATRXPARMVALUE1PTR		
	24	
ATRXPARMVALUE2PTR		
	28	
ATRXPARMVALUE3PTR		
	2C	
ATRXPARMVALUE4PTR		
	30	
ATRXPARMVALUE5PTR		
	34	
ATRXPARMVERSIONPTR		
	4	
ATRXVERSION1	0	1
ATR4ABAKLOGOPTIONPTR		
	10	
ATR4ABAKPARMLIST		
	0	
ATR4ABAKRETURNCODEPTR		
	0	
ATR4ABAKURITOKENPTR		
	8	
ATR4ACMTLOGOPTIONPTR		
	10	
ATR4ACMTPARMLIST		
	0	
ATR4ACMTRETURNCODEPTR		
	0	
ATR4ACMTURITOKENPTR		
	8	
ATR4ADCTCOMMITOPTIONSPTR		
	18	
ATR4ADCTLOGOPTIONPTR		
	10	
ATR4ADCTPARMLIST		
	0	
ATR4ADCTRETURNCODEPTR		
	0	
ATR4ADCTURITOKENPTR		
	8	
ATR4AFGTLOGOPTIONPTR		
	10	
ATR4AFGTPARMLIST		
	0	
ATR4AFGTRETURNCODEPTR		
	0	
ATR4AFGTURITOKENPTR		
	8	
ATR4APRPLOGOPTIONPTR		
	10	
ATR4APRPPARMLIST		
	0	
ATR4APRPRETURNCODEPTR		
	0	
ATR4APRPURITOKENPTR		
	8	
ATR4BACKPARMLIST		
	0	
ATR4BACKRETURNCODEPTR		
	0	
ATR4BEGDIAGAREAPTR		
	8	
ATR4BEGPARMLIST		
	0	
ATR4BEGRETURNCODEPTR		
	0	
ATR4BEGTRANMODEPTR		
	10	
ATR4BEGURIDPTR		
	20	
ATR4BEGURTOKENPTR		
	18	
ATR4CCURCHILDCONEXTTOKENPTR		
	10	
ATR4CCURCHILDURID		
	20	
ATR4CCURCHILDURTOKEN		
	18	
ATR4CCURCREATEOPTIONS		
	28	
ATR4CCURPARENTURTOKENPTR		
	8	
ATR4CCURPARMLIST		
	0	
ATR4CCURRETURNCODEPTR		
	0	
ATR4CMITPARMLIST		
	0	
ATR4CMITRETURNCODEPTR		
	0	
ATR4DINTPARMLIST		

Name	Hex Offset	Hex Value
	0	
ATR4DINTRETURNCODEPTR		
	0	
ATR4DINTURITOKENPTR		
	8	
ATR4DPSPPARMLIST		
	0	
ATR4DPSPPETOKENPTR		
	10	
ATR4DPSPRETURNCODEPTR		
	0	
ATR4DPSPURTOKENPTR		
	8	
ATR4EINTCONTEXTTOKENPTR		
	10	
ATR4EINTCURRCONTEXTTOKENPTR		
	28	
ATR4EINTCURRNONPDATAPTR		
	48	
ATR4EINTDIAGAREAPTR		
	78	
ATR4EINTINTERESTOPTIONS		
	38	
ATR4EINTNONPERSISTENTDATAPTR		
	40	
ATR4EINTPARENTURTOKENPTR		
	70	
ATR4EINTPARMLIST		
	0	
ATR4EINTPDATALENGTHPTR		
	50	
ATR4EINTPDATAPTR		
	58	
ATR4EINTRETURNCODEPTR		
	0	
ATR4EINTRMTOKENPTR		
	8	
ATR4EINTTRANMODEPTR		
	80	
ATR4EINTURIDPTR		
	30	
ATR4EINTURITOKENPTR		
	18	
ATR4EINTURTOKENPTR		
	20	
ATR4EINTXIDLENGTHPTR		
	60	
ATR4EINTXIDPTR		
	68	
ATR4ENDACTIONPTR		
	10	
ATR4ENDCURRURTOKENPTR		
	18	
ATR4ENDDIAGAREAPTR		
	8	
ATR4ENDPARMLIST		
	0	
ATR4ENDRETURNCODEPTR		
	0	
ATR4IBRSPARMLIST		
	0	
ATR4IBRSRETURNCODEPTR		
	0	
ATR4IBRSRMTOKENPTR		
	8	
ATR4IERSPARMLIST		
	0	
ATR4IERSRETURNCODEPTR		
	0	
ATR4IERSRMTOKENPTR		
	8	
ATR4IRLNPARMLIST		
	0	
ATR4IRLNRETURNCODEPTR		
	0	
ATR4IRLNRMLOGNAMEBUFLENPTR		
	10	
ATR4IRLNRMLOGNAMELENGTHPTR		
	18	
ATR4IRLNRMLOGNAMEPTR		
	20	
ATR4IRLNRMTOKENPTR		
	8	
ATR4IRLNRRSLOGNAMELENGTHPTR		
	28	
ATR4IRLNRRSLOGNAMEPTR		
	30	
ATR4IRNICONTEXTTOKENPTR		
	10	
ATR4IRNIPARMLIST		
	0	
ATR4IRNIPDATABUFFERLENGTHPTR		
	38	
ATR4IRNIPDATALENGTHPTR		
	40	
ATR4IRNIPDATAPTR		
	48	
ATR4IRNIRETURNCODEPTR		
	0	
ATR4IRNIRMTOKENPTR		
	8	
ATR4IRNIROLEPTR		
	28	
ATR4IRNIURIDPTR		
	20	
ATR4IRNIURITOKENPTR		
	18	
ATR4IRNIURSTATEPTR		
	30	
ATR4IRRINONPERSISTENTDATAPTR		
	18	
ATR4IRRIPARMLIST		
	0	
ATR4IRRIRESPONSECODEPTR		
	10	
ATR4IRRIRETURNCODEPTR		
	0	
ATR4IRRIURITOKENPTR		
	8	
ATR4ISLNPARMLIST		
	0	
ATR4ISLNRETURNCODEPTR		
	0	
ATR4ISLNRMLOGNAMELENGTHPTR		
	10	
ATR4ISLNRMLOGNAMEPTR		
	18	
ATR4ISLNRMTOKENPTR		
	8	
ATR4PDUECOMPLETIONCODEPTR		

Name	Hex Offset	Hex Value
	18	
ATR4PDUEEXITNUMBERPTR		
	10	
ATR4PDUEPARMLIST		
	0	
ATR4PDUERETURNCODEPTR		
	0	
ATR4PDUEURITOKENPTR		
	8	
ATR4RDTAPARMLIST		
	0	
ATR4RDTARETURNCODEPTR		
	0	
ATR4RDTARMMETADATABUFFERLENGTHPTR		
	10	
ATR4RDTARMMETADATALENGTHPTR		
	18	
ATR4RDTARMMETADATAPTR		
	20	
ATR4RDTARMTOKENPTR		
	8	
ATR4REICCONTEXTTOKENPTR		
	8	
ATR4REICINTERESTCOUNTINFOPTR		
	10	
ATR4REICPARMLIST		
	0	
ATR4REICRETURNCODEPTR		
	0	
ATR4RENVCONTEXTTOKENPTR		
	18	
ATR4RENVDIAGAREAPTR		
	8	
ATR4RENVELEMENTCOUNTPTR		
	28	
ATR4RENVENVSETTINGIDPTR		
	30	
ATR4RENVENVSETTINGPROCTPTR		
	40	
ATR4RENVENVSETTINGPTR		
	38	
ATR4RENVPARMLIST		
	0	
ATR4RENVRETURNCODEPTR		
	0	
ATR4RENVSCOPEPTR		
	10	
ATR4RENVSTOKENPTR		
	20	
ATR4RIDEXPOFINTTYPEPTR		
	38	
ATR4RIDINTERESTTYPEPTR		
	30	
ATR4RIDNONPERSISTENTDATAPTR		
	10	
ATR4RIDPARMLIST		
	0	
ATR4RIDPDATABUFFERLENGTHPTR		
	18	
ATR4RIDPDATALENGTHPTR		
	20	
ATR4RIDPDATAPTR		
	28	
ATR4RIDRETURNCODEPTR		
	0	
ATR4RIDROLEPTR		
	40	
ATR4RIDURITOKENPTR		
	8	
ATR4RURDPARMLIST		
	0	
ATR4RURDRETURNCODEPTR		
	0	
ATR4RURDSTATESOPTIONPTR		
	20	
ATR4RURDURIDPTR		
	10	
ATR4RURDURORURITOKENPTR		
	8	
ATR4RURDURSTATEPTR		
	18	
ATR4RURDURTOKENPTR		
	28	
ATR4RUSFCONTEXTTOKENPTR		
	8	
ATR4RUSFENVINFOPTR		
	10	
ATR4RUSFPARMLIST		
	0	
ATR4RUSFRETURNCODEPTR		
	0	
ATR4RUSFSIDEINFOOPTIONSPTR		
	18	
ATR4RUSIELEMENTCOUNTPTR		
	10	
ATR4RUSIPARMLIST		
	0	
ATR4RUSIRETURNCODEPTR		
	0	
ATR4RUSISIDEINFOARRAYPTR		
	18	
ATR4RUSISIDEINFOSTATEARRAYPTR		
	20	
ATR4RUSIURORURITOKENPTR		
	8	
ATR4RWIDGENERATEOPTIONPTR		
	18	
ATR4RWIDPARMLIST		
	0	
ATR4RWIDRETRIEVEOPTIONPTR		
	10	
ATR4RWIDRETURNCODEPTR		
	0	
ATR4RWIDURORURITOKENPTR		
	8	
ATR4RWIDUWIDBUFFERLENPTR		
	28	
ATR4RWIDUWIDDATAPTR		
	38	
ATR4RWIDUWIDLENPTR		
	30	
ATR4RWIDUWIDTYPEPTR		
	20	
ATR4SDTAPARMLIST		
	0	
ATR4SDTARETURNCODEPTR		
	0	
ATR4SDTARMMETADATALENGTHPTR		
	10	
ATR4SDTARMMETADATAPTR		

Name	Hex Offset	Hex Value
	18	
ATR4SDTARMTOKENPTR		
	8	
ATR4SENVCONTEXTTOKENPTR		
	18	
ATR4SENVDIAGAREAPTR		
	8	
ATR4SENVELEMENTCOUNTPTR		
	28	
ATR4SENVENVSETTINGIDPTR		
	30	
ATR4SENVENVSETTINGPROCTPTR		
	40	
ATR4SENVENVSETTINGPTR		
	38	
ATR4SENVPARMLIST		
	0	
ATR4SENVRETURNCODEPTR		
	0	
ATR4SENVSCOPEPTR		
	10	
ATR4SENVSTOKENPTR		
	20	
ATR4SITFAILUREACTIONPTR		
	20	
ATR4SITINTERESTTYPEPTR		
	18	
ATR4SITPARMLIST		
	0	
ATR4SITPDATALENGTHPTR		
	28	
ATR4SITPDATAPTR		
	30	
ATR4SITRETURNCODEPTR		
	0	
ATR4SITURIDPTR		
	10	
ATR4SITURITOKENPTR		
	8	
ATR4SPIDPARMLIST		
	0	
ATR4SPIDPDATALENGTHPTR		
	10	
ATR4SPIDPDATAPTR		
	18	
ATR4SPIDRETURNCODEPTR		
	0	
ATR4SPIDURITOKENPTR		
	8	
ATR4SPSPPARMLIST		
	0	
ATR4SPSPPETOKENPTR		
	10	
ATR4SPSPRETURNCODEPTR		
	0	
ATR4SPSPURTOKENPTR		
	8	
ATR4SROIINTERESTOPTIONSPTR		
	20	
ATR4SROINEWURITOKENPTR		
	10	
ATR4SROINONPERSISTENTDATAPTR		
	28	
ATR4SROIPARMLIST		
	0	
ATR4SROIPDATALENGTHPTR		
	30	
ATR4SROIPDATAPTR		
	38	
ATR4SROIRETURNCODEPTR		
	0	
ATR4SROIURIDPTR		
	18	
ATR4SROIURITOKENPTR		
	8	
ATR4SSPCBACKOUTEXITCODEPTR		
	20	
ATR4SSPCCOMMITEXITCODEPTR		
	18	
ATR4SSPCPARMLIST		
	0	
ATR4SSPCPREPAREEXITCODEPTR		
	10	
ATR4SSPCRETURNCODEPTR		
	0	
ATR4SSPCROLEPTR		
	28	
ATR4SSPCURITOKENPTR		
	8	
ATR4SUSIELEMENTCOUNTPTR		
	10	
ATR4SUSIPARMLIST		
	0	
ATR4SUSIRETURNCODEPTR		
	0	
ATR4SUSISIDEINFOARRAYPTR		
	18	
ATR4SUSIURORURITOKENPTR		
	8	
ATR4SWIDPARMLIST		
	0	
ATR4SWIDRETURNCODEPTR		
	0	
ATR4SWIDSETOPTIONPTR		
	10	
ATR4SWIDURORURITOKENPTR		
	8	
ATR4SWIDUWIDDATAPTR		
	28	
ATR4SWIDUWIDLENPTR		
	20	
ATR4SWIDUWIDTYPEPTR		
	18	
ATR64BITADDRESSABILITYSUPPORTED		
	10	8

ATRSASM Programming Interface information

Programming Interface information

ATRSASM

End of Programming Interface information

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ATRSASM Heading Information

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

ATRSASM Map

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

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

ATRSZAUR Programming Interface information

Programming Interface information

ATRSZAUR

End of Programming Interface information

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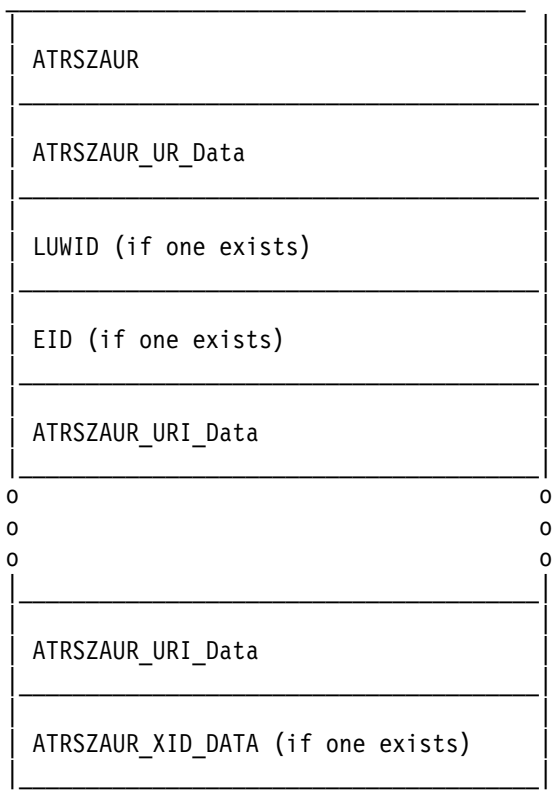
ATRSZAUR Heading Information

Common Name: RRS Archive Log Block
Macro ID: ATRSZAUR
DSECT Name: ATRSZAUR, ATRSZAUR_UR_DATA, ATRSZAUR_URI_DATA, ATRSZAUR_XID_DATA
Owning Component: Resource Recovery Services (SCRRS)
Eye-Catcher ID: ATRSCAUR
Offset: 0
Length: 8
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: ATRSZAUR (36 bytes)
ATRSZAUR_UR_DATA (152 bytes)
ATRSZAUR_URI_DATA (100 bytes)
ATRSZAUR_XID_DATA (13 bytes minimum,
140 bytes maximum)
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: This macro contains constants and declares for
the RRS Archive log block
The log block is comprised of the following data
areas:
- Header information (mapped by ATRSZAUR)
- UR information (mapped by ATRSZAUR_UR_DATA)
- Base data portion
- Offset of the XID within the log block
- a LUWID, if one exists
- an EID, if one exists
- one or more URI information blocks (mapped by
ATRSZAUR_URI_DATA)
- an XID, if one exists (mapped by
ATRSZAUR_XID_DATA)

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



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

ATRSZAUR Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSZAUR	
0	(0)	DBL WORD	8	AUR_HEADER (0)	AUR header mapping
0	(0)	CHARACTER	8	AUR_EYECATCHER	Control block identifier
8	(8)	SIGNED	4	AUR_VERSION	Control block version
12	(C)	SIGNED	4	AUR_LENGTH	AUR header length
16	(10)	CHARACTER	8	AUR_SYSTEM_NAME	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Name of system that wrote this block
24	(18)	SIGNED	4	AUR_INTEREST_COUNT	
					Number of URI data blocks
28	(1C)	SIGNED	4	AUR_AMOUNTTRUNCATED	
					Amount of data truncated when the AUR was written to the RRS Archive log.
32	(20)	CHARACTER	4	AUR_RSV	Reserved
32	(20)	X'24'	0	ATRSZAUR_VERS_2_DATA	
					"*" AUR_UR Version 2 Data
36	(24)	SIGNED	4	AUR_TOTALNUMBEROFBLOCKS	
					Total number of log blocks required to log the cascaded UR family
40	(28)	SIGNED	4	AUR_BLOCKNUMBER	
					Block number
44	(2C)	CHARACTER	8	AUR_NEXTBLOCKID	
					Block ID of the previously logged block - used to perform a direct read for the next block of a multi-block log record
44	(2C)	X'34'	0	ATRSZAUR_VERS_3_DATA	
					"*" AUR_UR Version 3 Data
52	(34)	BITSTRING	4	AUR_FLAGS (0)	Indicator flags
52	(34)	BITSTRING	1	AUR_FLAGSBYTE1	
					Byte 1
		1...		AUR_CFAMILY	"X'80'" This log block is part of a cascaded UR family
		.1..		AUR_SYSPLEXFAMILY	
					"X'40'" This log block is part of a sysplex cascaded UR family
53	(35)	BITSTRING	1	AUR_FLAGSBYTE2	
					Byte 2
54	(36)	BITSTRING	1	AUR_FLAGSBYTE3	
					Byte 3
55	(37)	BITSTRING	1	AUR_FLAGSBYTE4	
					Byte 4
56	(38)	CHARACTER	32	AUR_SURID	SURID

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
108	(6C)	SIGNED	4	AUR_UR_EID_LENGTH	EID length. If zero, no EID for this UR
112	(70)	CHARACTER	4	AUR_UR_RSV	Reserved
112	(70)	X'74'	0	ATR_UR_MORE_DATA	"*"
112	(70)	X'74'	0	ATRSZAUR_UR_MORE_DATA	"*"
112	(70)	X'74'	0	ATRSZAUR_UR_VERS_2_DATA	"*" AUR_UR Version 2 Data
116	(74)	SIGNED	4	AUR_UR_XID_OFFSET	Offset of an XID within the log block
116	(74)	X'78'	0	ATRSZAUR_UR_VERS_3_DATA	"*" AUR_UR Version 3 Data
120	(78)	CHARACTER	32	AUR_UR_WORK_MANAGER_NAME	Work Manager Name.
120	(78)	X'98'	0	ATRSZAUR_UR_VERS_4_DATA	"*" AUR_UR Version 4 Data
152	(98)	BITSTRING	16	AUR_UR_PARENT_URID	UR identifier of the parent UR
168	(A8)	SIGNED	4	AUR_UR_NEXTAUR_OFFSET	Offset of the next UR entry within the log block

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSZAUR_URI_DATA	URI data mapping
0	(0)	SIGNED	4	AUR_URI_VERSION	Control block version
4	(4)	SIGNED	4	AUR_URI_LENGTH	URI data length
8	(8)	CHARACTER	32	AUR_URI_RMNAME	Resource manager name
40	(28)	SIGNED	4	AUR_URI_ROLE	URI role. Possible values (defined in ATRRASM): ATR_PARTICIPANT ATR_LAST_AGENT ATR_DSRM ATR_SDSRM
44	(2C)	BITSTRING	4	AUR_URI_FLAGS	Exit flags
48	(30)	SIGNED	4	AUR_URI_EXIT_RESULT (9)	Array of exit results
84	(54)	SIGNED	4	AUR_URI_TWO_PHASE_PROTOCOL	URI protocol. Possible values (defined in ATRRASM): ATR_PRESUMED_NOTHING ATR_PRESUMED_ABORT
88	(58)	SIGNED	4	AUR_URI_INTEREST_TYPE	URI interest type. Possible values (defined in ATRRASM): ATR_PROTECTED ATR_UNPROTECTED

ATRSZAUR Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
92	(5C)	CHARACTER	4	AUR_URI_RSV	Reserved
92	(5C)	X'60'	0	AUR_URI_MORE_DATA	"*" !
92	(5C)	X'60'	0	AUR_URI_VERS_2_DATA	"*" AUR_URI Version 2 Data !
96	(60)	SIGNED	4	AUR_URI_PRE_PREPARE_EXIT_RESULT	

ATRSZAUR Cross Reference

Name	Hex Offset	Hex Value
ATR_UR_BASE_DATA	0	0
ATR_UR_MORE_DATA	70	74
ATRSZAUR	0	
ATRSZAUR_UR_DATA	0	
ATRSZAUR_UR_MORE_DATA	70	74
ATRSZAUR_UR_READ_DATA	0	
ATRSZAUR_UR_VERS_2_DATA	70	74
ATRSZAUR_UR_VERS_3_DATA	74	78
ATRSZAUR_UR_VERS_4_DATA	78	98
ATRSZAUR_URI_DATA	0	
ATRSZAUR_VERS_2_DATA	20	24
ATRSZAUR_VERS_3_DATA	2C	34
AUR_AMOUNTTRUNCATED	1C	
AUR_BLOCKNUMBER	28	
AUR_CFAMILY	34	80
AUR_EYECATCHER	0	
AUR_FLAGS	34	
AUR_FLAGSBYTE1	34	
AUR_FLAGSBYTE2	35	
AUR_FLAGSBYTE3	36	
AUR_FLAGSBYTE4	37	
AUR_HEADER	0	
AUR_INTEREST_COUNT	18	
AUR_LENGTH	C	
AUR_NEXTBLOCKID	2C	
AUR_RSV	20	
AUR_SURID	38	
AUR_SYSPLEXFAMILY	34	40
AUR_SYSTEM_NAME	10	
AUR_TOTALNUMBEROFBLOCKS	24	
AUR_UR_EID_LENGTH	6C	
AUR_UR_ENDURTIME	2C	
AUR_UR_EXITRESULT	34	
AUR_UR_FLAGS	1C	
AUR_UR_JOBNAME	58	
AUR_UR_LENGTH	4	
AUR_UR_LUWID_LENGTH	68	
AUR_UR_NEXTAUR_OFFSET	A8	
AUR_UR_PARENT_URID	98	
AUR_UR_R_BASE_DATA	0	
AUR_UR_R_NEXTAUR_OFFSET	A8	
AUR_UR_R_PARENT_URID	98	
AUR_UR_R_WORK_MANAGER_NAME	78	
AUR_UR_R_XID_OFFSET	74	
AUR_UR_RSV	70	
AUR_UR_STARTTIME	24	
AUR_UR_SYNCPOINT_RC	20	
AUR_UR_SYNCPOINT_TYPE	18	
AUR_UR_URID	8	
AUR_UR_USERID	60	
AUR_UR_VERSION	0	
AUR_UR_WORK_MANAGER_NAME	78	
AUR_UR_XID_OFFSET	74	
AUR_URI_EXIT_RESULT	30	
AUR_URI_FLAGS	2C	
AUR_URI_INTEREST_TYPE	58	
AUR_URI_LENGTH	4	
AUR_URI_MORE_DATA	5C	60

Name	Hex Offset	Hex Value
AUR_URI_PRE_PREPARE_EXIT_RESULT	60	
AUR_URI_RMNAME	8	
AUR_URI_ROLE	28	
AUR_URI_RSV	5C	
AUR_URI_TWO_PHASE_PROTOCOL	54	
AUR_URI_VERS_2_DATA	5C	60
AUR_URI_VERSION	0	
AUR_VERSION	8	

ATRSZPUR Programming Interface information

Programming Interface information

ATRSZPUR

End of Programming Interface information

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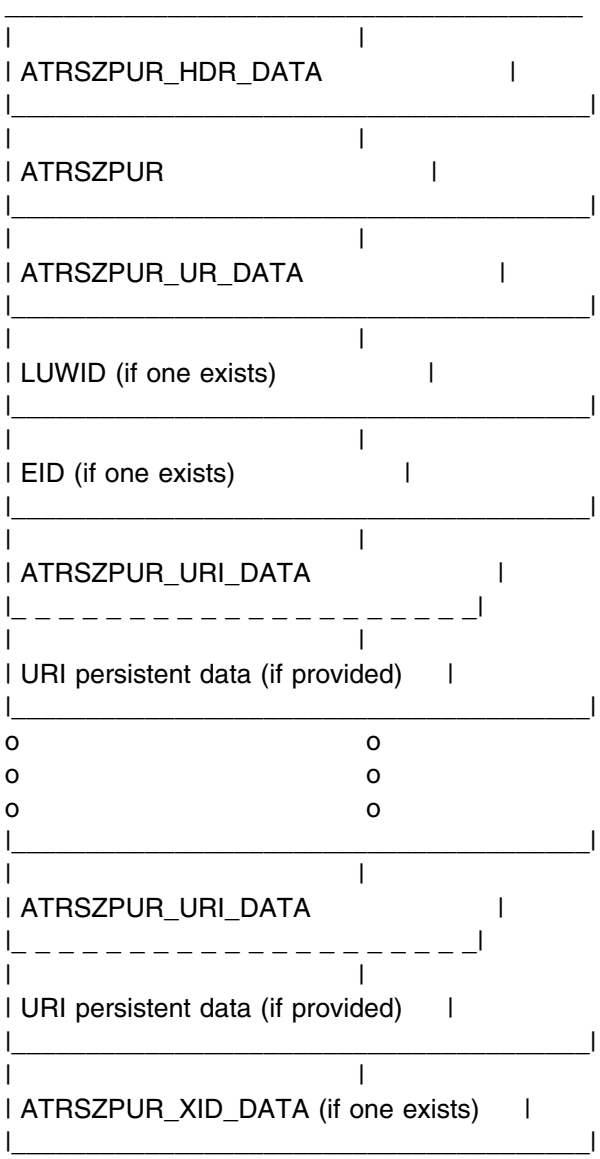
ATRSZPUR Heading Information

Common Name:	RRS UR/Restart Log Block
Macro ID:	ATRSZPUR
DSECT Name:	ATRSZPUR, ATRSZPUR_HDR_DATA, ATRSZPUR_UR_DATA, ATRSZPUR_URI_DATA, ATRSZPUR_XID_DATA
Owning Component:	Resource Recovery Services (SCRRS)
Eye-Catcher ID:	ATRSCPUR Offset: 0 Length: 8
Storage Attributes:	Subpool: N/A Key: N/A Residency: N/A
Size:	ATRSZPUR (24 bytes) ATRSZPUR_HDR_DATA (62 bytes) ATRSZPUR_UR_DATA (100 bytes) ATRSZPUR_URI_DATA (72 bytes) ATRSZPUR_XID_DATA (13 bytes minimum, 140 bytes maximum)
Created by:	N/A
Pointed to by:	N/A
Serialization:	N/A

Function:

This macro contains constants and declares for the RRS UR and Restart log blocks
The log block is comprised of the following data areas:
- Block information (mapped by ATRSZPUR_HEADER)
- Header information (mapped by ATRSZPUR)
- UR information (mapped by ATRSZPUR_UR_DATA)
- Base data portion
- Offset of the XID within the log block
- UR function map
- a LUWID, if one exists
- an EID, if one exists
- one or more URI information groups containing:
- URI information (mapped by ATRSZPUR_URI_DATA)
- URI persistent data, if it exists
- an XID, if one exists (mapped by ATRSZPUR_XID_DATA)

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



ATRSZPUR Map

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSZPUR_UR_READ_DATA	UR data mapping - for read use only
0	(0)	CHARACTER	48	PUR_UR_R_BASE_DATA	UR data that is logged for all RRS releases
48	(30)	SIGNED	4	PUR_UR_R_XID_OFFSET	Offset of the XID within the log block
52	(34)	BITSTRING	8	PUR_UR_R_FUNCTION_MAP	UR function map
60	(3C)	CHARACTER	32	PUR_UR_R_WORK_MANAGER_NAME	Work Manager Name
92	(5C)	CHARACTER	8	PUR_UR_R_CREATE_TIME	GMT Time of UR Creation.
100	(64)	BITSTRING	16	PUR_UR_R_PARENT_URID	UR identifier of the parent UR
116	(74)	SIGNED	4	PUR_UR_R_NEXTPUR_OFFSET	Offset of the next UR entry within the log block

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ATRSZPUR_HDR_DATA	Block header mapping
0	(0)	X'0'	0	LOGRECORD_HDR_BASE_DATA	"*" PUR_HDR base data
0	(0)	CHARACTER	8	LOGRECORDEYECATCHER	Log Block Eyecatcher
8	(8)	SIGNED	4	LOGRECORDVERSION	Log Block Version Number
12	(C)	SIGNED	4	BASELENGTH	Control block length
16	(10)	SIGNED	4	VARIABLELENGTH	Length of logged data
20	(14)	CHARACTER	8	LOGGINGSYSTEMNAME	

ATRSZPUR Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Logging system name
28	(1C)	CHARACTER	26	LOGRECORDSTREAMNAME	
					Log stream name
54	(36)	CHARACTER	8	PREVIOUSBLOCKID	
					Block ID of previous logging for this UR
62	(3E)	CHARACTER	2	NOTUSED	Not used - force word boundary
				Comment	
BufferBlockSize ..... Not Used in ASM mapping					
				End of Comment	
62	(3E)	X'40'	0	LOGRECORD_HDR_VERS_2_DATA	
					"*" PUR_HDR Version 2 Data
64	(40)	CHARACTER	8	NEXTBLOCKID	The block ID of the previously logged block - used to perform a direct read for the next block of a multiblock log record
72	(48)	SIGNED	4	NEXTBLOCKPTR	Pointer to the next block within a multiblock log record (only meaningful while the log blocks are in storage)
76	(4C)	SIGNED	4	TOTALNUMOFBLOCKS	
					Total number of log blocks required to log the cascaded UR family
80	(50)	SIGNED	4	BLOCKNUMBER	Block number
80	(50)	X'54'	0	LOGRECORD_HDR_VERS_3_DATA	
					"*" PUR_HDR Version 3 Data
84	(54)	BITSTRING	4	LOGRECORDFLAGS	
				(0)	
					Indicator flags
84	(54)	BITSTRING	1	LOGRECORDFLAGSBYTE1	
					Byte 1
		1...		LOGRECORDCFAMILY	
					"X'80'" This log block is part of a cascaded UR family
		.1..		LOGRECORDSYSPLEXFAMILY	
					"X'40'" This log block is part of a sysplex cascaded UR family
85	(55)	BITSTRING	1	LOGRECORDFLAGSBYTE2	
					Byte 2
86	(56)	BITSTRING	1	LOGRECORDFLAGSBYTE3	
					Byte 3
87	(57)	BITSTRING	1	LOGRECORDFLAGSBYTE4	
					Byte 4
88	(58)	CHARACTER	32	LOGRECORDSURID	
					SURID

ATRSZPUR Cross Reference

Name	Hex Offset	Hex Value
ATRSZPUR	0	
ATRSZPUR_HDR_DATA	0	
ATRSZPUR_UR_BASE_DATA	0	0
ATRSZPUR_UR_DATA	0	
ATRSZPUR_UR_MORE_DATA	2C	30
ATRSZPUR_UR_READ_DATA	0	
ATRSZPUR_UR_VERS_2_DATA	2C	30
ATRSZPUR_UR_VERS_3_DATA	34	3C
ATRSZPUR_UR_VERS_4_DATA	5C	64
ATRSZPUR_URI_DATA		

Name	Hex Offset	Hex Value
	0	
BASELENGTH	C	
BLOCKNUMBER	50	
LOGGINGSYSTEMNAME	14	
LOGRECORD_HDR_BASE_DATA	0	0
LOGRECORD_HDR_VERS_2_DATA	3E	40
LOGRECORD_HDR_VERS_3_DATA	50	54
LOGRECORDCFAMILY	54	80
LOGRECORDEYECATCHER	0	
LOGRECORDFLAGS	54	
LOGRECORDFLAGSBYTE1		

Name	Hex Offset	Hex Value
LOGRECORDFLAGSBYTE2	54	
LOGRECORDFLAGSBYTE3	55	
LOGRECORDFLAGSBYTE4	56	
LOGRECORDSTREAMNAME	57	
LOGRECORDSURID	1C	
LOGRECORDSYSPLEXFAMILY	58	
LOGRECORDVERSION	54	40
NEXTBLOCKID	8	
NEXTBLOCKPTR	40	
NOTUSED	48	
PREVIOUSBLOCKID	3E	
PUR_AMOUNTTRUNCATED	36	
PUR_EYECATCHER	14	
PUR_HEADER	0	
PUR_INTEREST_COUNT	0	
PUR_LENGTH	10	
PUR_UR_CREATE_TIME	C	
PUR_UR_EID_LENGTH	5C	
PUR_UR_EXIT_FLAGS	28	
PUR_UR_FLAGS	1C	
PUR_UR_FUNCTION_MAP	20	
PUR_UR_LENGTH	34	
PUR_UR_LUWID_LENGTH	4	
PUR_UR_NEXTPUR_OFFSET	24	
PUR_UR_PARENT_URID	74	
PUR_UR_R_BASE_DATA	64	
PUR_UR_R_CREATE_TIME	0	
PUR_UR_R_FUNCTION_MAP	5C	
PUR_UR_R_NEXTPUR_OFFSET	34	
PUR_UR_R_PARENT_URID	74	
PUR_UR_R_WORK_MANAGER_NAME	64	
PUR_UR_R_XID_OFFSET	3C	
PUR_UR_RSV	30	
PUR_UR_STATE	2C	
PUR_UR_URID	18	
PUR_UR_VERSION	8	
PUR_UR_WORK_MANAGER_NAME	0	
PUR_UR_XID_OFFSET	3C	
PUR_URI_BACKOUT_EXITCODE	30	
PUR_URI_COMMIT_EXITCODE	34	
PUR_URI_LENGTH	30	
PUR_URI_PDATA_LENGTH	4	
PUR_URI_RM_INSTANCE_NUMBER	38	
PUR_URI_RMNAME	3C	
PUR_URI_ROLE	8	
PUR_URI_RSV	28	
PUR_URI_TWO_PHASE_PROTOCOL	44	
PUR_URI_VERSION	2C	
PUR_VERSION	0	
TOTALNUMOFBLOCKS	8	
VARIABLELENGTH	4C	
	10	

ATRTZRMD Programming Interface information

Programming Interface information

ATRTZRMD

End of Programming Interface information

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ATRTZRMD Heading Information

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

ATRTZRMD Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		The log stream versions are valid only for the RRS resource manager log entry			
				End of Comment	
144	(90)	CHARACTER	8	RMD_MAINURLOGSTREAMVERSION	Main UR log stream version token
152	(98)	CHARACTER	8	RMD_DELAYEDURLOGSTREAMVERSION	Delayed UR log stream version token
160	(A0)	CHARACTER	8	RMD_RESTARTLOGSTREAMVERSION	Restart log stream version token
168	(A8)	CHARACTER	8	RMD_RMMETADATALOGSTREAMVERSION	RM Meta Data log stream version token !
144	(90)	CHARACTER	24		Unused space to get RMD_LOG_INSTANCE_NUMBER at the correct offset. !
168	(A8)	CHARACTER	8	RMD_LOG_INSTANCE_NUMBER	RM Instance Number used to differentiate log entries in the UR state logs that completed, logically deleted, but have yet to be compressed out of the logs.
252	(FC)	X'FC'	0	ATRTZRMD_LEN	"*-ATRTZRMD"

ATRTZRMD Cross Reference

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

ATTCH Heading Information

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

ATTCH Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	72	ATTCHLST	
0	(0)	ADDRESS	4	ATPGNADA	ENTRY ADDRESS
4	(4)	ADDRESS	4	ATDCBADA	DCB ADDRESS
8	(8)	ADDRESS	4	ATECBADR	ECB ADDRESS
		1...		ATNFORM	INDICATES PLIST FORMAT NUMBER IN FIELD ATFORMNM
12	(C)	ADDRESS	4	ATGSFLDA	SUBPOOL VAL OR ADDR
16	(10)	ADDRESS	4	ATSHFLDA	SHARE SUBPOOL VALUE OR ADDRESS
20	(14)	ADDRESS	4	ATETXRA	ETXR ADDRESS
24	(18)	SIGNED	2	ATDPMOD	DISPATCHING PRIORITY
26	(1A)	ADDRESS	1	ATLPMOD	LIMIT PRIORITY
27	(1B)	CHARACTER	1	ATINDS	OPTION FLAGS
		Comment			
		OPTION FLAGS BIT ON = KEYWORD PROVIDED			
		End of Comment			
		1...		ATDISP	'DISP=NO' KEYWORD PROVIDED
		.1..		ATJSCB	'JSCB' ADDRESS GIVEN
		..1.		ATJPQ	'GIVEJPQ=YES' GIVEN
		...1		ATKEY	'KEY=ZERO' KEYWORD
		.... 1...		ATSZERO	'SZERO=NO' KEYWORD
		.... .1..		ATSVAREA	'SVAREA=NO' KEYWORD
		.... ..1.		ATJSTCB	'JSTCB=YES' KEYWORD
		1		ATMODE	'SM=SUPV' KEYWORD
28	(1C)	CHARACTER	8	ATPRGNM	PROGRAM NAME
36	(24)	ADDRESS	4	ATJSCBAD	JSCB ADDRESS
40	(28)	ADDRESS	4	ATSTAIAD	ADDR OF E/STAI PLIST
44	(2C)	ADDRESS	4	ATSTAIEX	ADDR OF E/STAI EXIT
48	(30)	ADDRESS	4	ATTASKLB	ADDR OF TASK LIB DCB
52	(34)	ADDRESS	1	ATFLAGS1	FLAGS
		1...		ATNSHRSP	0-FIELD ATTNSHLV CONTAINS A SUBPOOL NUMBER, 1-FIELD ATTNSHLV CONTAINS THE ADDRESS OF A LIST
		.1..		ATRSAPF	IF ON, ATTACHOR REQUESTED APF AUTHORIZATION RESET (MDC300)
		..1.		ATALCOPY	COPY THE ATTACHING TASK'S ACCESS LIST AND EAX TO THE NEW TASK.
		...1		ATNTERM	1-TERM=YES,0-TERM=NO
		.... 1...		ATNESTAI	1-ESTAI SPECIFIED 0-NOT SPECIFIED
		.... .1..		ATNSYNCH	1-ASYNCH=YES 0-ASYNCH=NO

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ATTCH Cross Reference

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
		11		ATNPURGE	PURGE PARM VALUES
53	(35)	ADDRESS	1	ATNTID	TASK ID
54	(36)	SIGNED	2	ATTPLNG	LENGTH OF THIS PARM LIST, IN BYTES
56	(38)	ADDRESS	4	ATTNSHLV	NSHSPV OR NSHSPL
60	(3C)	ADDRESS	1	ATFLAGS2	FLAGS
		1...		ATNDENT	DIRECTORY ENTRY
		.1..		ATNGIVSP	SUBPOOLS TO BE GIVEN ARE IN LIST
		..1.		ATNSHSP	SUBPOOLS TO BE SHARED ARE IN LIST
		...1		ATAPFLIB	1 - MODULE MUST COME FROM APF LIBRARY
		.... 1...		ATRSV042	RESERVED
		.... .1..		ATRSV043	RESERVED
		.... ..1.		ATNTSKLB	TASKLIB DCB PRESENT
		1		ATNTSTAI	STAI OR ESTAI EXIT ADDR PRESENT
61	(3D)	CHARACTER	1	ATFORMNM	FORMAT NUMBER 1 = SP2.1-31-BIT SUPPORT 2 = SP3.1-AR SUPPORT 3 = SP4.3-DISP(RESET) WITH TCB
62	(3E)	CHARACTER	10	ATRSV040	RESERVED

ATTCH Cross Reference

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

AXAT Heading Information

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

AXAT Map

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

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AXAT Cross Reference

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

BASEA Heading Information

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

BASEA Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	224	BASE	
				Comment	
				FOLLOWING VALUES DEFINE BIT PATTERNS FOR SWITCHES	
				End of Comment	
0	(0)	ADDRESS	4	BACHN	HANDLE TO COMMAND SCHEDULING CHAIN Y01939
4	(4)	CHARACTER	4	BACBID	CONTROL BLOCK ID
8	(8)	SIGNED	4	BASCPLID	UTOKEN CELL POLL ID
12	(C)	SIGNED	4	BAIPL	COMMUNICATION WORD
12	(C)	CHARACTER	3	*	
15	(F)	CHARACTER	1	BAIPLCC	USED BY TOD CLOCK MANAGEMENT
16	(10)	ADDRESS	4	BAQ	OVERLAYED BY BAMSLNK WORD1
20	(14)	ADDRESS	4	BAPRC	OVERLAYED BY BAMSLNK WORD2
24	(18)	CHARACTER	8	BALGSTAT	
24	(18)	ADDRESS	4	MSLOGSVC	
28	(1C)	ADDRESS	4	BALOG	POINTER TO LOG CONTROL TABLE Y01939
		1...		BALOGINT	INITIALIZED LOG INDICATOR Y01939
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
32	(20)	ADDRESS	4	BAEBAPTR	POINTER TO EXTENDED MASTER SCHEDULER RESIDENT DATA AREA (INITIALIZED BY IEEMB860)
36	(24)	CHARACTER	1	BASFL	
36	(24)	CHARACTER	1	BARSW	

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Offsets					
Dec	Hex	Type	Len	Name (Dim)	Description
		1...		BAIN	IPL FLAG
		.1..		*	RESERVED
		..1.		BAINTSET	INDICATES INTERNAL SET FOR TOD
		...1		BAFSTOR	ALL LOG BUFFERS ARE BEING FREED
		 1111		*	RESERVED BITS
37	(25)	UNSIGNED	1	BAVERN	VERSION LEVEL
38	(26)	SIGNED	2	BASPHW04	RESERVED
40	(28)	SIGNED	2	BAPKES	MASK OF INITIATOR PROTECT KEYS
42	(2A)	SIGNED	2	BASPHW01	RESERVED HALF WORD
44	(2C)	SIGNED	2	BASPHW02	RESERVED HALFWORD
46	(2E)	CHARACTER	1	MSLOGST	LOG STATUS XMCS
		1...		MSLOGENQ	LOG DATASET SCHEDULED TO BE XMCS QUEUED TO SYSOUT WRITER XMCS
		.1..		MSLOGTHD	LOG NOT SUPPORTED BIT XMCS
		..1.		MSLOGCOM	SIGNAL FOR COM TASK TO STOP XMCS ISSUING WTLS XMCS
		...1		MSLOGDAR	LOG INTERNAL ABEND FLAG
		.... 1...		MSLOGIPL	LOG FIRST-TIME ENTRY SWITCH
		.... .1..		MSLOGSTA	LOG STAE ENVIRONMENT SWITCH
		.... ..1.		MSLOGCHN	LOG CHAIN MANIPULATION ERROR
		1		MSLOGTND	LOG TASK END INDICATOR
47	(2F)	CHARACTER	1	BASPBYTE	MSTR SCH INIT CPL 20030
		1...		BAMSSTAR	STAR RECURSION POINTER Y01037
		.1..		*	RESERVED
		..1.		BAMASCH	MASTER SCHEDULER REGION INITIALIZATION STARTED
		...1		BAMSINIT	MASTER SCHEDULER INITIALIZATION IS COMPLETE
		.... 1...		BAOKDUMP	A DUMP WAS TAKEN BY THE INITIATOR DURING MASTER SCHED INIT
		.... .1..		MSLOGCL	Hardcopy was turned off with a VARY,SYSLOG,HARDCPY, OFF,UNCOND cmd
		.... ..1.		MSLOGVH	Hardcopy was turned back on after a VARY,SYSLOG, HARDCPY,OFF,UNCOND
		1		*	RESERVED
48	(30)	SIGNED	4	BALOGECB	LOG ECB XMCS
52	(34)	ADDRESS	4	*	Reserved (was BAMTTWKP)
56	(38)	CHARACTER	1	BAMONITR	MONITOR FLAGS (TERMINALS-TJB CHAIN, 20030 CONSOLES-UCME CHAIN) 20030
		1...		BADSN	DSNAME ARE BEING MONITORED
		.1..		BASPACE	SPACE IS BEING MONITORED Y02669
57	(39)	CHARACTER	1	BAMONTR2	SETCON/MONITOR FLAGS
		1...		BASC_MN_JOBS	SETCON MN: JOBNAMES MSGS ENABLED
		.1..		BASC_MN_JOBS_LOG	SETCON MN: JOBNAMES MSGS LOGGED
		..1.		BASC_MN_SESS	SETCON MN: SESS MSGS ENABLED
		...1		BASC_MN_SESS_LOG	SETCON MN: SESS MSGS LOGGED
		.... 1...		BASC_MN_STAT	SETCON MN: STATUS MSGS ENABLED
		.... .1..		BASC_MN_STAT_LOG	SETCON MN: STATUS MSGS LOGGED
		.... ..1.		BASC_MN_TIMESTAMP	SETCON MN: CURRENT TIMESTAMP SETTING
58	(3A)	CHARACTER	1	BACHFLGS	CSCB FLAGS
		1...		BACSCBA	CSCB LOCATION IS ABOVE 16M
		.1..		BACSCXB	RESERVED
59	(3B)	CHARACTER	1	BARESV	RESERVED
60	(3C)	SIGNED	4	BAMSIECB	MASTER SCHEDULER INITIALIZATION ECB
64	(40)	ADDRESS	4	BALOGSAV	Saved value of BALOG when VARY SYSLOG,HARDCPY,OFF,UNCOND issued
68	(44)	CHARACTER	8	BARSV1	RESERVED
76	(4C)	SIGNED	4	BALOGCOM	SYSLOG DEB TABLE ADDRESS
80	(50)	SIGNED	4	BASUBECB	SUBSYSTEM SERIALIZATION ECB Y02668
84	(54)	SIGNED	2	BAJNCNT	# OF DEVICES MONITORING JOBNAMES Y02669
86	(56)	SIGNED	2	BASESCT	# OF DEVICES MONITORING SESSIONS Y02669
88	(58)	SIGNED	2	BASTCNT	# OF DEVICES MONITORING STATUS Y02669

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
90	(5A)	SIGNED	2	BARSV2	RESERVED
92	(5C)	ADDRESS	4	MSSCHED	POINTER TO SCHEDULER NIP PARAMETER LIST
96	(60)	ADDRESS	4	MSSMFPRM	POINTER TO THE SMF PARMLIB MEMBER Y02675
100	(64)	ADDRESS	4	BAASCB	MASTER SCHEDULER ASCB ADDRESS R20290
104	(68)	CHARACTER	4	*	Y02669
104	(68)	CHARACTER	1	MSLOGCLS	LOG OUTPUT CLASS Y02669
105	(69)	UNSIGNED	3	MSLOGLMT	NO. OF WTLS IN ONE DATA SET
108	(6C)	ADDRESS	4	MSLGCLOZ	LOG TERMINATION ECB
108	(6C)	ADDRESS	1	MSCLOSSW	ECB WAIT/POST FIELD
		1...		MSCLOSW	ECB WAIT BIT
		.1..		MSCLOSP	ECB POST BIT
		..11 1111		*	RESERVED
112	(70)	ADDRESS	4	MSLGWLOG	LOG DATA SET SWITCH ECB
112	(70)	ADDRESS	1	MSWLOGSW	ECB WAIT/POST FIELD
		1...		MSWLOGW	ECB WAIT BIT
		.1..		MSWLOGP	ECB POST BIT
		..11 1111		*	RESERVED
116	(74)	ADDRESS	4	MSLGWTR	LOG WTL QUEUE WRITER ECB
116	(74)	ADDRESS	1	MSWTRSW	ECB WAIT/POST FIELD
		1...		MSWTRW	ECB WAIT BIT
		.1..		MSWTRP	ECB POST BIT
		..11 1111		*	RESERVED
117	(75)	ADDRESS	3	*	RESERVED
120	(78)	ADDRESS	4	MSLGSTRT	LOG RE-ACTIVATION ECB
120	(78)	ADDRESS	1	MSSTRTSW	ECB WAIT/POST FIELD
		1...		MSSTRTW	ECB WAIT BIT
		.1..		MSSTRTP	ECB POST BIT
		..11 1111		*	RESERVED
121	(79)	ADDRESS	3	MSSTRTRB	ECB RB ADDRESS
124	(7C)	SIGNED	4	MSLGJSCB	LOG SWAPPED JSCB ADDRESS
128	(80)	ADDRESS	4	BASCTPTR	POINTER TO SCHEDULED COMMANDS TABLE (IEEMB884)
132	(84)	ADDRESS	4	BACASTPT	POINTER TO CAST
136	(88)	CHARACTER	88	MS1BASEX	

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
136	(88)	STRUCTURE	88	BASES01	
136	(88)	CHARACTER	1	BASPBT02	RESERVED BYTE
137	(89)	CHARACTER	1	MSSSB	MONITOR TIME NOTE BYTE
137	(89)	CHARACTER	1	MSBTN	TIME NOTE BIT IS BIT 6
		1...		*	RESERVED BIT
		.1..		*	RESERVED BIT
		..1.		*	RESERVED BIT
		...1		*	RESERVED BIT
		.... 1...		*	RESERVED BIT
		.... .1..		*	RESERVED BIT
		.... ..1.		MSTN	VALUE TO TURN ON TIME NOTE (DECLARED ABNORMAL SO ASSEMBLER GENERATES COMPARE AND SWAP)
		1		*	RESERVED
138	(8A)	CHARACTER	1	BASPBT03	RESERVED BYTE
139	(8B)	CHARACTER	1	MSECBFL	SCHEDULER FLAG BYTE
		1...		BAMSJOBS	IEFJOBS DD IS IN MASTER JCL
		.1..		*	RESERVED BIT
		..1.		MSWTL	LOG ABEND RECURSION BIT
		...1		*	RESERVED BIT
		.... 1...		*	RESERVED BIT
		.... .1..		*	RESERVED BIT
		.... ..1.		MSSUMR	MSSUM bit has been reset
		1		MSSUM	SUMMARY BIT, VARY UCB SCAN REQUIRED.
140	(8C)	ADDRESS	4	BAMTTBL	MASTER TRACE TABLE ADDRESS
144	(90)	ADDRESS	4	BAMTRTN	MASTER TRACE DATA ENTRY ROUTINE ADDRESS
148	(94)	CHARACTER	4	BAMTSPSZ	MASTER TRACE TABLE SUBPOOL AND SIZE

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
148	(94)	CHARACTER	1	BAMTSP	SUBPOOL OF MASTER TRACE TABLE
149	(95)	CHARACTER	3	BAMTLEN	SIZE OF MASTER TRACE TABLE
152	(98)	SIGNED	4	BASPWD0F	RESERVED
156	(9C)	ADDRESS	4	BAMTCDR	MASTER TRACE TABLE CHANGE ROUTINE ADDRESS
160	(A0)	ADDRESS	4	BAMTDTAB	ADDR OF TABLE DUMPED BY THE MASTER TRACE RECOVERY ROUTINE
164	(A4)	CHARACTER	4	BAMTDTSZ	SIZE AND SUBPOOL OF TABLE DUMPED BY THE MASTER TRACE RECOVERY ROUTINE
164	(A4)	CHARACTER	1	BAMTDTSP	SUBPOOL OF RECOVERY DUMPED TABLE
165	(A5)	CHARACTER	3	BAMTDTLN	SIZE OF RECOVERY DUMPED TABLE
168	(A8)	BITSTRING	1	*	Reserved (was BAMTCNTL)
169	(A9)	BITSTRING	1	*	Reserved (was BAMTRECF)
170	(AA)	BITSTRING	1	BAMTITFL	INTERNAL PROCESSING FLAG USED BY MASTER TRACE FACILITY
		1...		BAMTITAB	MASTER TRACE TABLE REQUIRED AT SYSTEM INITIALIZATION BIT
		.111 1111		*	RESERVED
171	(AB)	CHARACTER	1	BASPBT04	RESERVED BYTE
172	(AC)	SIGNED	4	*	Reserved (was BAMTDECB)
176	(B0)	SIGNED	4	BAMTINIT	DEFAULT MASTER TRACE TABLE SIZE AND SUBPOOL REQUESTED AT SYSTEM INITIALIZATION
176	(B0)	CHARACTER	1	BAMTINSP	DEFAULT SUBPOOL
177	(B1)	CHARACTER	3	BAMTINLN	DEFAULT SIZE
180	(B4)	SIGNED	4	BAMTVTCB	ADDRESS OF IEEVIPLS TCB FOR MASTER TRACE TABLE GETMAIN AND FREEMAIN IN CNZM1TRC
184	(B8)	ADDRESS	4	BAMJSCB	ADDRESS OF MASTER SCHEDULER JSCB
188	(BC)	ADDRESS	4	BAMTIOT	ADDRESS OF MASTER SCHEDULER TIOT
192	(C0)	SIGNED	2	MSDDNAME	DDNAME OF SYSLOG DATASET
194	(C2)	CHARACTER	2	BASPWD0A	RESERVED
196	(C4)	ADDRESS	4	BACHNL	LAST CSCB ON PERSISTENT CHAIN
200	(C8)	ADDRESS	4	BASEXP	ADDRESS OF BASEA EXTENSION
204	(CC)	UNSIGNED	4	MSMSGID	MSGID of IEE012A
208	(D0)	SIGNED	4	BAJNCNT4	REAL # OF DEVICES MONITORING JOBNAMES. BAJNCNT CANT HOLD SUPPORTED HIGH NUMBER. IT IS MAINTAINED UP TO 7FFF
212	(D4)	SIGNED	4	BASESCT4	REAL # OF DEVICES MONITORING SESS .BASESCT CANT HOLD SUPPORTED HIGH NUMBER. IT IS MAINTAINED UP TO 7FFF
216	(D8)	SIGNED	4	BASTCNT4	REAL # OF DEVICES MONITORING STATUS. BASTCNT CANT HOLD SUPPORTED HIGH NUMBER. IT IS MAINTAINED UP TO 7FFF
220	(DC)	SIGNED	4	BASPRSV1	RESERVED FULL WORD

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

BASEA Constants

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

BASEA Cross Reference

Name	Hex Offset	Hex Value
BAASCB	64	
BACASTPT	84	
BACBID	4	
BACHFLGS	3A	
BACHID	10	
BACHN	0	
BACHNL	C4	
BACHNLST	18	
BACHXID	14	
BACMDL	C	
BACMDP	8	
BACMFA@	2C	
BACRSV	30	
BACSCBA	3A	80
BACSCXB	3A	40
BADSN	38	80
BAEBAPTR	20	
BAESTAE	28	
BAFSTOR	24	10
BAGFSR	1C	
BAIN	24	80
BAINTSET	24	20
BAIPL	C	
BAIPLCC	F	
BAJNCNT	54	
BAJNCNT4	D0	
BALGSTAT	18	
BALOG	1C	
BALOGCOM	4C	
BALOGECB	30	
BALOGINT	1C	80
BALOGSAV	40	
BAMANR	20	
BAMASCH	2F	20
BAMJSCB	B8	
BAMONITR	38	
BAMONTR2	39	
BAMSIECB	3C	
BAMSINIT	2F	10
BAMSJOBS	8B	80
BAMSSTAR	2F	80
BAMTCDR	9C	
BAMTDTAB	A0	
BAMTDTLN	A5	
BAMTDTSP	A4	
BAMTDTSZ	A4	
BAMTINIT	B0	
BAMTINLN	B1	
BAMTINSP	B0	
BAMTIOT	BC	
BAMTITAB	AA	80
BAMTITFL	AA	
BAMTLEN	95	
BAMTRTN	90	
BAMTSP	94	
BAMTSPSZ	94	
BAMTTBL	8C	
BAMTVTCB	B4	
BAOKDUMP	2F	08
BAPKES	28	
BAPRC	14	
BAQ	10	
BAREBREC	24	
BARESV	3B	
BARSV1	44	
BARSV2	5A	
BARSW	24	
BASC_MN_JOBS	39	80
BASC_MN_JOBS_LOG	39	40
BASC_MN_SESS	39	20
BASC_MN_SESS_LOG	39	10
BASC_MN_STAT	39	08
BASC_MN_STAT_LOG	39	04
BASC_MN_TIMESTAMP	39	02

Name	Hex Offset	Hex Value
BASCPLID	8	
BASCTPTR	80	
BASE	0	
BASESCT	56	
BASESCT4	D4	
BASES01	88	
BASEX	0	
BASEXP	C8	
BASFL	24	
BASPACE	38	40
BASPBT02	88	
BASPBT03	8A	
BASPBT04	AB	
BASPBYTE	2F	
BASPHW01	2A	
BASPHW02	2C	
BASPHW04	26	
BASPRSV1	DC	
BASPWD0A	C2	
BASPWD0F	98	
BASTCNT	58	
BASTCNT4	D8	
BASUBECB	50	
BAVERN	25	
BAXACR	0	
BAXFLGX	5	
BAXINIT	5	80
BAXRES	6	
BAXVERS	4	
MSBTN	89	
MSCLOSP	6C	40
MSCLOSSW	6C	
MSCLOSW	6C	80
MSDDNAME	C0	
MSECBFL	8B	
MSLGCLOZ	6C	
MSLGJSCB	7C	
MSLGSTRT	78	
MSLGWLOG	70	
MSLGWTR	74	
MSLOGCHN	2E	02
MSLOGCL	2F	04
MSLOGCLS	68	
MSLOGCOM	2E	20
MSLOGDAR	2E	10
MSLOGENQ	2E	80
MSLOGIPL	2E	08
MSLOGLMT	69	
MSLOGST	2E	
MSLOGSTA	2E	04
MSLOGSVC	18	
MSLOGTHD	2E	40
MSLOGTND	2E	01
MSLOGVH	2F	02
MSMSGID	CC	
MSSCHED	5C	
MSSMFPRM	60	
MSSSB	89	
MSSTRTP	78	40
MSSTRTRB	79	
MSSTRTSW	78	
MSSTRTW	78	80
MSSUM	8B	01
MSSUMR	8B	02
MSTN	89	02
MSWLOGP	70	40
MSWLOGSW	70	
MSWLOGW	70	80
MSWTL	8B	20
MSWTRP	74	40
MSWTRSW	74	
MSWTRW	74	80
MS1BASEX	88	

BEB Heading Information

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

BEB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	BEB	
0	(0)	ADDRESS	4	BEBCHAIN	BEB block chain pointer
4	(4)	BITSTRING	1	BEBFLAG	BEB flags----------
		1...		BEB2INUS	"X'80'" 2nd chan program segment pointers in use
		.1..		BEBNOPTC	"X'40'" NOP TIC used for TIC insertion
		..1.		BEB3INUS	"X'20'" 3rd channel program segment pointers in use
		...1		BEBRSVF2	"X'10'" Reserved
		.... 1...		BEBRSVF3	"X'08'" Reserved
		.... .1..		BEBRSVF4	"X'04'" Reserved
		.... ..1.		BEBRSVF5	"X'02'" Reserved
		1		BEBRSVF6	"X'01'" Reserved
5	(5)	BITSTRING	1	BEBCPKEY	Virtual Channel program key
		1...		BEBPPKEY	"X'80'" Problem program key
6	(6)	BITSTRING	1	BEBCLRKY	TCCW callers key
7	(7)	ADDRESS	1	BEBRSVB1	Reserved
8	(8)	BITSTRING	16	BEBSGMT1 (0)	1st Channel program segment.....
8	(8)	ADDRESS	4	BEBRLST	Start of real chan program
12	(C)	ADDRESS	4	BEBRLEN	End of real chan program
16	(10)	ADDRESS	4	BEBVRST	Start of virtual chan program
20	(14)	ADDRESS	4	BEBVREN	End of virtual chan program
24	(18)	BITSTRING	16	BEBSGMT2 (0)	2nd Channel program segment.....
24	(18)	ADDRESS	4	BEBRLST2	Start of real chan program
28	(1C)	ADDRESS	4	BEBRLEN2	End of real chan program
32	(20)	ADDRESS	4	BEBVRST2	Start of virtual chan program
36	(24)	ADDRESS	4	BEBVREN2	End of virtual chan program
40	(28)	BITSTRING	16	BEBSGMT3 (0)	3rd Channel program segment.....
40	(28)	ADDRESS	4	BEBRLST3	Start of real chan program
44	(2C)	ADDRESS	4	BEBRLEN3	End of real chan program
48	(30)	ADDRESS	4	BEBVRST3	Start of virtual chan program
52	(34)	ADDRESS	4	BEBVREN3	End of virtual chan program

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BEB Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
		Start of real channel program area------			
			End of Comment		
56	(38)	DBL WORD	8	BEBSCCW	First real CCW area
			Comment		
		BEB block constants			
			End of Comment		
56	(38)	X'10'	0	BEBPTRLN	"BEBVREN+L'BEBVREN-BEBRLST" Length of set of segment pointers
56	(38)	X'8'	0	BEBEL	"L'BEBSCCW" length of a CCW
56	(38)	X'D'	0	BEBNE	"13" Maximun number of CCWs when caller provides 160 byte BEB
56	(38)	X'18'	0	BEBNEL	"24" Maximum number of CCWs when caller provides 248 byte BEB

BEB Cross Reference

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

BLSABDPL Programming Interface information

Programming Interface information

BLSABDPL

End of Programming Interface information

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BLSABDPL Heading Information

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

BLSABDPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ABDPL	, Common IPCS/SNAP parameter list to exits
0	(0)	ADDRESS	4	ADPLCBP (0)	Address of block for exit
0	(0)	ADDRESS	4	ADPLTCB	TCB of task being displayed
4	(4)	SIGNED	2	ADPLASID	Address space identifier
6	(6)	BITSTRING	1	ADPLSBPL	Subpool used to get save area by component routine
7	(7)	BITSTRING	1	ADPLFLAG	Flag field
		1...		ADPLSNPR	"BIT0" 0=Module loaded by SNAP 1=Module loaded by IPCS
		.1..		ADPLSYTM	"BIT1" 0=System is OS/VS2 1=System is OS/VS1
		..1.		ADPLDMGT	"BIT2" 0=Format DEB only (SNAP caller) 1=Format DEB, DCB, IOB (SNAP caller)
		...1		ADPLIPCS	"BIT3" Called by IPCS
		.... 1...		ADPLPRT	"BIT4" On, SYSPRINT data set request Off, PRINTER data set request
		.... .1..		ADPLSYNO	"BIT5" Exit given control for syntax checking only
		.... ..1.		ADPLEJEC	"BIT6" For a write to PRINTER data set eject page first
8	(8)	ADDRESS	4	ADPLBUF	Pointer to output buffer
12	(C)	ADDRESS	4	ADPLPRNT	Address of print routine
16	(10)	ADDRESS	4	ADPLCVT	Address of CVT
20	(14)	ADDRESS	4	ADPLMEMA	Address of memory access routine
24	(18)	ADDRESS	4	ADPLFRMT	Address of format routine
28	(1C)	ADDRESS	4	ADPLCOM1	Reserved for component use
32	(20)	ADDRESS	4	ADPLCOM2	Reserved for component use
36	(24)	ADDRESS	4	ADPLCOM3	Reserved for component use
40	(28)	ADDRESS	4	ADPLCOM4	Reserved for component use
44	(2C)	ADDRESS	4	ADPLFMT1	Reserved for format routine
48	(30)	ADDRESS	4	ADPLFMT2	Reserved for format routine
52	(34)	ADDRESS	4	ADPLEXT	Address of extension, whose 1st word contains the address of the operands list or zero if none.
56	(38)	ADDRESS	4	ADPLABDA	Address of host internal parameter list
60	(3C)	ADDRESS	4	ADPLTRFM	Address of trace control block (SNAP only)
64	(40)	ADDRESS	4	ADPLSERV	->Services router
68	(44)	ADDRESS	1	ADPLLEV	Index indentation level
69	(45)	ADDRESS	1		Entry code number corresponding to AMDMNDXT macro entries Support of this interface ended this release
70	(46)	SIGNED	2	ADPLLNCT	Line count per output page
72	(48)	SIGNED	2	ADPLLNRM	Current number of lines remaining on the output page
74	(4A)	SIGNED	2	ADPLDLEN	Storage access request length
76	(4C)	SIGNED	2	ADPLOPLN	Length of verb operand list
78	(4E)	BITSTRING	1	ADPLPRDP	Dump read/format flags
		1...		ADPLVIRT	"BIT0" Virtual address read
		.1..		ADPLREAL	"BIT1" Real address read
		..1.		ADPLCPU	"BIT2" CPU data read
		...1		ADPLHDR	"BIT3" Dump header read

Comment

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

End of Comment

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

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

Comment

Service codes defining services to router

End of Comment

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	AMDCPMAP	, CPU status record data mapping
0	(0)	BITSTRING	1	AMDCFLAG	CPU status flags

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ADPLPFMT	, Common parameter list
0	(0)	BITSTRING	1	ADPLPOPT	Option flags
		1...		ADPLPOAC	"BIT0" Check acronym
		.1..		ADPLPOIX	"BIT1" Index entry wanted
		..1.		ADPLPOLM	"BIT2" Line mode
		...1		ADPLPOCL	"BIT3" Final host invocation to delete modules and freemain CBAT load table storage
		.... 1...		ADPLPSOF	"BIT4" Suppress offsets
		.... .1..		ADPLPPDA	"BIT5" Print dump address
		.... ..1.		ADPLPSDH	"BIT6" Suppress dump header
		1		ADPLPSTM	"BIT7" Suppress truncation msg
1	(1)	BITSTRING	2	ADPLPRET (0)	Flags for returning information to caller
1	(1)	BITSTRING	1	ADPLPRE1	
		1...		ADPLPRAC	"BIT0" Bad acronym check
		.1..		ADPLPRNL	"BIT1" Unable to load model/formatter
		..1.		ADPLPRNB	"BIT2" Unavailable control block
		...1		ADPLPRNF	"BIT3" Unable to format
		.... 1...		ADPLPRTB	"BIT4" Truncated block
		.... .1..		ADPLPRNC	"BIT5" No CBAT entry
		.... ..1.		ADPLPRNE	"BIT6" Null CBAT entry
		1		ADPLPRNG	"BIT7" No CBAT load table storage
2	(2)	BITSTRING	1	ADPLPRE2	
		1...		ADPLPRUU	"BIT0" Entry previously marked unuseable
		.1..		ADPLPRIM	"BIT1" Invalid model specification
		..1.		ADPLPRCM	"BIT2" Model error
		...1		ADPLPNVM	"BIT3" No view match, nothing printed
		.... 1...		ADPLPBXI	"BIT4" Bad extension identifier
		.... .1..		ADPLPFEF	"BIT5" Formatting exit failure
		.... ..1.		ADPLPNXD	"BIT6" No EXIT DATA
3	(3)	SIGNED	1	ADPLPBLC	Blank line count
4	(4)	CHARACTER	8	ADPLPCHA	Control block acronym or model name
12	(C)	ADDRESS	4	ADPLPPTR	Model address
16	(10)	ADDRESS	4	ADPLPBAS	Buffer address if block is in main storage

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
20	(14)	SIGNED	2	ADPLPDAC	Dynamic array count
22	(16)	SIGNED	2	ADPLPBLS	Length of block in main storage
24	(18)	ADDRESS	4	ADPLPBAV	Virtual block address in dump
28	(1C)	ADDRESS	4	ADPLPLME	Line mode exit entry point address
32	(20)	BITSTRING	2	ADPLPVCL (0)	Field viewing control
32	(20)	BITSTRING	1	ADPLPVC1	
		1...		ADPLPKEY	"BIT0" Keyfield
		.1..		ADPLPSUM	"BIT1" Summary field
		..1.		ADPLPREG	"BIT2" Register save area
		...1		ADPLPLIN	"BIT3" Linkage field
		.... 1...		ADPLPEFD	"BIT4" Error fields
		.... .1..		ADPLPHEX	"BIT5" Hex dump
		.... ..1.		ADPLPNOR	"BIT6" All non reserved fields
		1		ADPLPRES	"BIT7" Reserved fields
33	(21)	BITSTRING	1	ADPLPVC2	
		1...		ADPLPSTA	"BIT0" Static array
		1...		ADPLPDCD	"BIT0" Decode flagfields
		.1..		ADPLPDYN	"BIT1" Dynamic array
		..1.		ADPLPINP	"BIT2" Input field
		...1		ADPLPOUT	"BIT3" Output field
		.... 1...		ADPLPCV1	"BIT4" Component use
		.... .1..		ADPLPCV2	"BIT5" Component use
		.... ..1.		ADPLPCV3	"BIT6" Component use
		1		ADPLPCV4	"BIT7" Component use
34	(22)	SIGNED	2	ADPLPOSI	Starting offset
36	(24)	SIGNED	4	ADPLPDL (2)	Dimension lower limits
36	(24)	SIGNED	4	ADPLPDL1	Dimension 1 lower limit
40	(28)	SIGNED	4	ADPLPDL2	Dimension 2 lower limit
44	(2C)	SIGNED	4	ADPLPDU (2)	Dimension upper limits
44	(2C)	SIGNED	4	ADPLPDU1	Dimension 1 upper limit
48	(30)	SIGNED	4	ADPLPDU2	Dimension 2 upper limit
52	(34)	BITSTRING	4		Reserved
56	(38)	SIGNED	4	ADPLPEXP	-> Format parameter extension
60	(3C)	SIGNED	4	ADPLPFXC	Format exit communication
60	(3C)	X'40'	0	ADPLLFMT	"*-ADPLPFMT" Length of ADPLPFMT

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ADPLOSNT	, Array, 1 per selected ASID
0	(0)	ADDRESS	4	ADPLOSAP	Pointer to ASCB
4	(4)	BITSTRING	4	ADPLOSCW (0)	Control word
4	(4)	BITSTRING	1	ADPLOSF1	Flag for selection match
		1...		ADPLOSCR	"BIT0" Current on CPU=ASLCPUX
		.1..		ADPLOSJN	"BIT1" Matches jobnames(ASLJOBX)
		..1.		ADPLOSER	"BIT2" ASID in error
		...1		ADPLOSTE	"BIT3" TCBERROR
		.... 1...		ADPLOSAS	"BIT4" Selected by ASIDLIST
		.... .1..		ADPLOSAL	"BIT5" Selected by ALL
5	(5)	BITSTRING	1	ADPLOSF2	Status flags
		1...		ADPLOSHA	"BIT0" CURRENT HOME ASID
		.1..		ADPLOSPA	"BIT1" CURRENT PRIMARY ASID
		..1.		ADPLOSSA	"BIT2" CURRENT SECONDARY ASID
		...1		ADPLOSCM	"BIT3" ASID HOLDS CML LOCK
		.... 1...		ADPLOSND	"BIT4" Address space not in dump
		.... .1..		ADPLOSNA	"BIT5" Private area not accessed
6	(6)	BITSTRING	1	ADPLOSCP	CPUID where current
7	(7)	BITSTRING	5		Reserved
12	(C)	SIGNED	2	ADPLOSAI	ASID
14	(E)	BITSTRING	2		Reserved

BLSABDPL Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
16	(10)	CHARACTER	8	ADPLOSJB	Jobname
24	(18)	BITSTRING	8		RESERVED
24	(18)	X'20'	0	ADPLOSNL	"*-ADPLOSNT" Length of ADPLOSNT

BLSABDPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ABDPL	0		ADPLOSAU	4	40
ADPLABDA	38		ADPLOSCM	5	10
ADPLASID	4	0	ADPLOSCP	6	0
ADPLBUF	8		ADPLOSCR	4	80
ADPLCBP	0		ADPLOSCT	2	0
ADPLCODE	C	0	ADPLOSCW	4	
ADPLCOLS	12		ADPLOSDF	5	0
ADPLCOM1	1C		ADPLOSEL	0	
ADPLCOM2	20		ADPLOSER	4	20
ADPLCOM3	24		ADPLOSF1	4	0
ADPLCOM4	28		ADPLOSF2	5	0
ADPLCPPL	4		ADPLOSHA	5	80
ADPLCPU	4E	20	ADPLOSHD	0	
ADPLCVT	10		ADPLOSJB	10	40404040
ADPLDLEN	4A	0	ADPLOSJM	4	80
ADPLDMGT	7	20	ADPLOSJN	4	40
ADPLEFAC	14	2	ADPLOSLL	8	8
ADPLEFAN	14	1	ADPLOSNA	5	4
ADPLEFAS	F	80	ADPLOSNB	8	
ADPLEFCD	14	0	ADPLOSND	5	8
ADPLEFLE	16	0	ADPLOSNL	18	20
ADPLEFLG	F	0	ADPLOSNT	0	
ADPLEFSR	14	4	ADPLOSPA	5	40
ADPLEFTC	14	3	ADPLOSSA	5	20
ADPLEJEC	7	2	ADPLOSSD	5	80
ADPLESAME	16	80	ADPLOSSF	4	0
ADPLESYP	8		ADPLOSSP	7	0
ADPLEXT	34		ADPLOSSZ	0	0
ADPLEXTL	17	40	ADPLOSTE	4	10
ADPLEXTN	0		ADPLPAAD	0	
ADPLFLAG	7	0	ADPLPACC	0	
ADPLFMT1	2C		ADPLPART	4	
ADPLFMT2	30		ADPLPBAS	10	
ADPLFRMT	18		ADPLPBAV	18	
ADPLHDR	4E	10	ADPLPBLC	3	0
ADPLIPCS	7	10	ADPLPBLS	16	0
ADPLLACC	8	40	ADPLPBXI	2	8
ADPLLECT	14	40	ADPLPCHA	4	40404040
ADPLLEN	5C	60	ADPLPCV1	21	8
ADPLLEV	44		ADPLPCV2	21	4
ADPLLFMT	3C	40	ADPLPCV3	21	2
ADPLLNCT	46	0	ADPLPCV4	21	1
ADPLLNRM	48	0	ADPLPDAC	14	0
ADPLLSEL	14	40	ADPLPDCD	21	80
ADPLMAXL	10		ADPLPDL	24	
ADPLMEMA	14		ADPLPDL1	24	0
ADPLNDX	50		ADPLPDL2	28	0
ADPLNMSG	E	80	ADPLPDU	2C	
ADPLNPRT	E	40	ADPLPDU1	2C	0
ADPLOPLN	4C	0	ADPLPDU2	30	0
ADPLOPTR	0		ADPLPDYN	21	40
ADPLOSAI	C	0	ADPLPEAS	0	40
ADPLOSAL	4	4	ADPLPECF	2	0
ADPLOSAM	4	20	ADPLPECP	2	80
ADPLOSAP	0		ADPLPECT	0	
ADPLOSAS	4	8	ADPLPEFD	20	8

Name	Hex Offset	Hex Value
ADPLPEFG	0	0
ADPLPELI	1	20
ADPLPEMA	2	40
ADPLPENE	1	10
ADPLPENM	0	2
ADPLPENV	1	40
ADPLPEPL	C	
ADPLPERR	1	0
ADPLPESC	0	10
ADPLPESP	0	4
ADPLPESR	0	1
ADPLPEST	1	80
ADPLPESY	10	
ADPLPETB	0	80
ADPLPEVB	4	40404040
ADPLPEVR	0	20
ADPLPEXP	38	0
ADPLPFEF	2	4
ADPLPFLG	E	0
ADPLPFMT	0	
ADPLPFXC	3C	0
ADPLPGNO	54	0
ADPLPHEX	20	4
ADPLPINP	21	20
ADPLPKEY	20	80
ADPLPLIN	20	10
ADPLPLME	1C	
ADPLPNOR	20	2
ADPLPNVM	2	10
ADPLPNXD	2	2
ADPLPOAC	0	80
ADPLPOCL	0	10
ADPLPOIX	0	40
ADPLPOLM	0	20
ADPLPOPT	0	0
ADPLPOSI	22	0
ADPLPOUT	21	10
ADPLPPDA	0	4
ADPLPPTR	C	
ADPLPRAC	1	80
ADPLPRCM	2	20
ADPLPRDP	4E	0
ADPLPREG	20	20
ADPLPRES	20	1
ADPLPRET	1	
ADPLPRE1	1	0
ADPLPRE2	2	0
ADPLPRIM	2	40
ADPLPRNB	1	20
ADPLPRNC	1	4
ADPLPRNE	1	2
ADPLPRNF	1	10
ADPLPRNG	1	1
ADPLPRNL	1	40
ADPLPRNT	C	
ADPLPRT	7	8
ADPLPRTB	1	8
ADPLPRUU	2	80
ADPLPSAF	1	40
ADPLPSAI	C	
ADPLPSAL	0	80
ADPLPSAS	0	4
ADPLPSCF	3	0
ADPLPSCR	0	40
ADPLPSDH	0	2
ADPLPSEL	0	
ADPLPSER	0	20
ADPLPSF1	0	0
ADPLPSF2	1	0
ADPLPSJL	0	8
ADPLPSJN	8	
ADPLPSNV	3	80
ADPLPSOF	0	8
ADPLPSOL	4	
ADPLPSTA	21	80
ADPLPSTE	0	10
ADPLPSTM	0	1
ADPLPSUM	20	40
ADPLPSXL	1	80
ADPLPS31	10	0
ADPLPTOC	2	20
ADPLPVCL	20	
ADPLPVC1	20	3
ADPLPVC2	21	0
ADPLREAL	4E	40
ADPLRSV1	17	0
ADPLSACC	17	1
ADPLSADS	17	D
ADPLSAMK	4E	1
ADPLSBPL	6	0
ADPLSCBF	17	4
ADPLSCBS	17	B
ADPLSCOL	11	
ADPLSCQE	17	A
ADPLSCSI	17	13
ADPLSECT	17	6
ADPLSEQS	17	8
ADPLSERV	40	
ADPLSFMT	17	3
ADPLSGTS	17	9
ADPLSMAP	17	11
ADPLSNAM	17	F
ADPLSNDX	17	5
ADPLSNPR	7	80
ADPLSNTK	17	12
ADPLSPRT	17	2
ADPLSPR2	17	C
ADPLSRA	58	
ADPLSSEL	17	7
ADPLSSTR	17	14
ADPLSSYD	17	15
ADPLSSYM	17	10
ADPLSWHS	17	E
ADPLSYNO	7	4
ADPLSYTM	7	40
ADPLS000	17	1
ADPLS999	17	15
ADPLTCB	0	
ADPLTRFM	3C	
ADPLVIRT	4E	80
ADPLZARCH	16	80
AMDCCPSW	A4	0
AMDCCREG	64	0
AMDCFLAG	0	0
AMDCFREG	4	0
AMDCGPRV	0	20
AMDCGREG	24	0
AMDCLOCK	B8	0
AMDCPADR	2	0
AMDCPAD1	1	0

BLSABDPL Cross Reference

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

BLSACBSP Programming Interface information

Programming Interface information

BLSACBSP

End of Programming Interface information

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BLSACBSP Heading Information

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

BLSACBSP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	STRUCTURE	0	ACBSP	, IPCS CBSTAT parameter list
0	(0)	CHARACTER	1	ACBSP000 (0)	Begin BLSACBSP #MD99266

Comment

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

End of Comment

0	(0)	CHARACTER	5	ACBSPID (0)	CBSTAT parameter list identifier
0	(0)	CHARACTER	4	ACBSPIDC	CBSP acronym
4	(4)	CHARACTER	1	ACBSPIDL	BLSACBSP subtype - ABITS=31
4	(4)	X'F1'	0	ACBSPIDL31	"C'1'" BLSACBSP subtype - ABITS=31
4	(4)	X'F2'	0	ACBSPIDL64	"C'2'" BLSACBSP subtype - ABITS=64
5	(5)	BITSTRING	3		reserved

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

Comment

An IPCS address space is specified by three values:

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

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

		End of Comment			
8	(8)	SIGNED	4	(0)	Align on word boundary
8	(8)	CHARACTER	16	ACBSPAS (0)	IPCS address space descriptor
8	(8)	CHARACTER	1	ACBSPAS0 (0)	Begin BLSRDATS #MD03009
8	(8)	CHARACTER	2	ACBSPAST (0)	Address space type code
8	(8)	ADDRESS	2		Address space type code
8	(8)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
8	(8)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
8	(8)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
8	(8)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
8	(8)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
8	(8)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
8	(8)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
8	(8)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
8	(8)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
8	(8)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
8	(8)	X'C840'	0	ZZZASTH	"C'H '" HEADER
8	(8)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
8	(8)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
8	(8)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
8	(8)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
8	(8)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
8	(8)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
8	(8)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
10	(A)	BITSTRING	2	ACBSPASH	Reserved
12	(C)	SIGNED	4	ACBSPAS1 (0)	Integer 1
12	(C)	SIGNED	4		Integer 1
16	(10)	CHARACTER	8	ACBSPASC (0)	Second qualifier
16	(10)	SIGNED	4	ACBSPAS2 (0)	Integer 2
16	(10)	SIGNED	4		Integer 2
20	(14)	BITSTRING	4	ACBSPAS3	Reserved
24	(18)	CHARACTER	1	ACBSPAS9 (0)	End BLSRDATS #MD03009
24	(18)	ADDRESS	4	ACBSPLAD	CBSP address
24	(18)	X'80'	0	BIT0	"128"
24	(18)	X'40'	0	BIT1	"64"
24	(18)	X'20'	0	BIT2	"32"
24	(18)	X'10'	0	BIT3	"16"
24	(18)	X'8'	0	BIT4	"8"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
24	(18)	X'4'	0	BIT5	"4"
24	(18)	X'2'	0	BIT6	"2"
24	(18)	X'1'	0	BIT7	"1"
				Comment	

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

				End of Comment	
28	(1C)	SIGNED	4	(0)	Align structure on boundary
28	(1C)	CHARACTER	60	ACBSPD (0)	IPCS attribute descriptor
28	(1C)	CHARACTER	1	ACBSPD00 (0)	Begin BLSRDATC #MD03007
28	(1C)	ADDRESS	4	ACBSPDOF	Offset in bytes
32	(20)	ADDRESS	4	ACBSPDLE	Length in bytes
36	(24)	SIGNED	1	ACBSPDOB	
37	(25)	SIGNED	1	ACBSPDLB	
38	(26)	SIGNED	2	(0)	Align structure on boundary
38	(26)	CHARACTER	34	ACBSPDT (0)	IPCS data type descriptor
38	(26)	CHARACTER	1	ACBSPDT0 (0)	Begin BLSRDATT #MD04356
38	(26)	CHARACTER	1	ACBSPDTY (0)	Data type code
38	(26)	ADDRESS	1		Data type code
				Comment	
					------- The following data type codes are supported by IPCS -----
				End of Comment	
38	(26)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
38	(26)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
38	(26)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
38	(26)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
38	(26)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
38	(26)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
38	(26)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
38	(26)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
38	(26)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
38	(26)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
38	(26)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
38	(26)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
39	(27)	BITSTRING	1		
40	(28)	CHARACTER	31	ACBSPDTD	Data name
71	(47)	CHARACTER	1	ACBSPDTE	reserved
72	(48)	CHARACTER	1	ACBSPDT9 (0)	End BLSRDATT #MD04356
72	(48)	SIGNED	4	ACBSPDIM	Array entry count
76	(4C)	SIGNED	4	ACBSPDIL	Subscript of initial array entry
80	(50)	BITSTRING	4	ACBSPDF	Flags
		1...		ACBSPDFA	"BIT0" Array
84	(54)	BITSTRING	4		
88	(58)	CHARACTER	1	ACBSPD99 (0)	End BLSRDATC #MD03007
88	(58)	ADDRESS	4	ACBSPBFAD	Address of buffer containing a copy of the control block being processed
92	(5C)	CHARACTER	8	ACBSPMODN	Name of module requesting the service @L1P
100	(64)	BITSTRING	32		Reserved
132	(84)	CHARACTER	1	ACBSP999 (0)	End BLSACBSP #MD99266

BLSACBSP Cross Reference

Name	Hex Offset	Hex Value
ACBSP	0	
ACBSPAS	8	
ACBSPASC	10	
ACBSPASH	A	0
ACBSPAST	8	
ACBSPAS0	8	
ACBSPAS1	C	
ACBSPAS2	10	
ACBSPAS3	14	0
ACBSPAS9	18	
ACBSPBFAD	58	
ACBSPD	1C	
ACBSPDF	50	0
ACBSPDFA	50	80
ACBSPDIL	4C	0
ACBSPDIM	48	0
ACBSPDLB	25	0
ACBSPDLE	20	
ACBSPDOB	24	0
ACBSPDOF	1C	
ACBSPDT	26	
ACBSPDTD	28	40404040
ACBSPDTE	47	40
ACBSPDTY	26	
ACBSPDT0	26	
ACBSPDT9	48	
ACBSPD00	1C	
ACBSPD99	58	
ACBSPID	0	
ACBSPIDC	0	C3C2E2D7
ACBSPIDL	4	F1
ACBSPIDL31	4	F1
ACBSPIDL64	4	F2
ACBSPLAD	18	
ACBSPMODN	5C	40404040
ACBSP000	0	
ACBSP999	84	
BIT0	18	80
BIT1	18	40
BIT2	18	20
BIT3	18	10
BIT4	18	8
BIT5	18	4
BIT6	18	2
BIT7	18	1
ZZZASTA	8	C140
ZZZASTBL	8	C2D3
ZZZASTBS	8	C2E2
ZZZASTBT	8	C2E3
ZZZASTC	8	C340
ZZZASTCE	8	C3C5
ZZZASTCR	8	C3D9
ZZZASTCT	8	C3E3
ZZZASTCV	8	C3E5
ZZZASTDS	8	C4E2
ZZZASTH	8	C840
ZZZASTLI	8	D3C9
ZZZASTNO	8	4040
ZZZASTSB	8	E2C2
ZZZASTSC	8	E2C3
ZZZASTSD	8	E2C4
ZZZASTSS	8	E2E2
ZZZASTSV	8	E2E5
ZZZDTYA	26	C1
ZZZDTYB	26	C2
ZZZDTYC	26	C3
ZZZDTYE	26	C5
ZZZDTYF	26	C6
ZZZDTYI	26	C9
ZZZDTYL	26	D3
ZZZDTYM	26	D4
ZZZDTYP	26	D7
ZZZDTYU	26	E4
ZZZDTYY	26	E8
ZZZDTYZ	26	E9

BLSADSY Programming Interface Information

Programming Interface Information

BLSADSY

End of Programming Interface Information

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BLSADSY Heading Information

Common Name: Add symptom service parameter list
Macro ID: BLSADSY
DSECT Name: DSECT name is chosen by user on macro invocation. The DSECT statement may be suppressed on macro invocation.
Owning Component: Interactive problem control system (SC132)
Eye-Catcher ID: ADSY
Offset: 0
Length: 4
Storage Attributes: Subpool: 0 throu 127, or 251
Key: 8
Residency: Pageable storage that may both be read and written by key 8 application programs.
Size: 64 bytes
Created by: Calling program in the IPCS host environment
Pointed to by: N/a
Serialization: N/A
Function: This parameter list is used by IPCS exits to provide
additional symptoms to the dump header record.
OPERATION = Create a mapping for BLSADSY
METHOD OF ACCESS
PLS = The macro can expand in a LIST or SUBLIST format.
Set macro variable EHBENDCHAR to comma or semicolon.
Defaults to semicolon for LIST form and must be set
for the SUBLIST form. For example:
%DCL EHBENDCHAR EXTERNAL CHAR
%EHBENDCHAR=','
LIST FORM = ?BLSADSY MF(LIST,PREFIX,STORCLASS)
SUBLIST FORM = ?BLSADSY MF(SUBLIST,PREFIX,STORCLASS,LEVEL)
MF
PARM Meaning
---- ----------
1 LIST or L for LIST form
SUBLIST or S for SUBLIST form
2 PREFIX is from 1 to 4 alpha-numeric starting with
an alpha character. e.g. 'ADSY'
3 STORAGE CLASS and initialization attribute
COMPLETE keyword will cause initial values to
be generated. Default storage class with COMPLETE
is STATIC LOCAL. Can specify BASED, DEFINED ...
4 Structure level number to start with. This can
only be specified on the SUBLIST form.
ASM = The assembler format takes the form
LABEL BLSADSY DSECT=YES
NO
The LABEL is used as the prefix for all the
field names. The label cannot exceed 4 characters.
For example code 'ADSY BLSADSY DSECT=YES'
DSECT=YES will cause a DSECT to be generated.
The initial values will be ignored.
DSECT=NO will cause a set of initialized DCs
to be generated.

BLSADSY Map

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

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

Comment

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

End of Comment

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

BLSADSY Cross Reference

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

BLSAPCQE Programming Interface information

Programming Interface information

BLSAPCQE

End of Programming Interface information

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BLSAPCQE Heading Information

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

BLSAPCQE Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	APCQE	, CQE create parameter list
0	(0)	CHARACTER	1	APCQE000 (0)	Begin BLSAPCQE #MD85283

Comment

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

End of Comment

0	(0)	CHARACTER	5	APCQEID (0)	Control block identifier
0	(0)	CHARACTER	4	APCQEIDC	Control block acronym
4	(4)	CHARACTER	1	APCQEIDL	Control block level indicator
5	(5)	BITSTRING	3		Reserved
8	(8)	ADDRESS	4	APCQERSA	Address of resource name
12	(C)	ADDRESS	4	APCQEADA	Address of additional data
16	(10)	SIGNED	4		Reserved
20	(14)	SIGNED	2	APCQERSL	Length of resource name

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
22	(16)	SIGNED	2	APCQEADL	Length of additional data
24	(18)	CHARACTER	8	APCQESYNM	System name (e.g.CVTSNAME)
32	(20)	CHARACTER	8	APCQEJOBN	Jobname or component specific id
40	(28)	CHARACTER	2	APCQEOW	O=Owner W=Waiter
42	(2A)	BITSTRING	2		Reserved

Comment

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
44	(2C)	SIGNED	4	(0)	Align on word boundary
44	(2C)	CHARACTER	16	APCQEAS (0)	IPCS address space descriptor
44	(2C)	CHARACTER	1	APCQEAS0 (0)	Begin BLSRDATS #MD03009
44	(2C)	CHARACTER	2	APCQEAST (0)	Address space type code
44	(2C)	ADDRESS	2		Address space type code
44	(2C)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
44	(2C)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
44	(2C)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
44	(2C)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
44	(2C)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
44	(2C)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
44	(2C)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
44	(2C)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
44	(2C)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
44	(2C)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
44	(2C)	X'C840'	0	ZZZASTH	"C'H '" HEADER
44	(2C)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
44	(2C)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
44	(2C)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
44	(2C)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
44	(2C)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
44	(2C)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
44	(2C)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
46	(2E)	BITSTRING	2	APCQEASH	Reserved
48	(30)	SIGNED	4	APCQEAS1 (0)	Integer 1
48	(30)	SIGNED	4		Integer 1
52	(34)	CHARACTER	8	APCQEASC (0)	Second qualifier
52	(34)	SIGNED	4	APCQEAS2 (0)	Integer 2
52	(34)	SIGNED	4		Integer 2
56	(38)	BITSTRING	4	APCQEAS3	Reserved
60	(3C)	CHARACTER	1	APCQEAS9 (0)	End BLSRDATS #MD03009
60	(3C)	ADDRESS	4	APCQELAD	Logical address

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

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

				End of Comment	
64	(40)	SIGNED	4	(0)	Align structure on boundary
64	(40)	CHARACTER	60	APCQED (0)	IPCS attribute descriptor
64	(40)	CHARACTER	1	APCQED00 (0)	Begin BLSRDATC #MD03007
64	(40)	ADDRESS	4	APCQEDOF	Offset in bytes
68	(44)	ADDRESS	4	APCQEDLE	Length in bytes
72	(48)	SIGNED	1	APCQEDOB	
73	(49)	SIGNED	1	APCQEDLB	
74	(4A)	SIGNED	2	(0)	Align structure on boundary
74	(4A)	CHARACTER	34	APCQEDT (0)	IPCS data type descriptor
74	(4A)	CHARACTER	1	APCQEDT0 (0)	Begin BLSRDATT #MD04356
74	(4A)	CHARACTER	1	APCQEDTY (0)	Data type code
74	(4A)	ADDRESS	1		Data type code
				Comment	
				------- The following data type codes are supported by IPCS -----	
				End of Comment	
74	(4A)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
74	(4A)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
74	(4A)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
74	(4A)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
74	(4A)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
74	(4A)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
74	(4A)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
74	(4A)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
74	(4A)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
74	(4A)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
74	(4A)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
74	(4A)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
75	(4B)	BITSTRING	1		
76	(4C)	CHARACTER	31	APCQEDTD	Data name
107	(6B)	CHARACTER	1	APCQEDTE	reserved
108	(6C)	CHARACTER	1	APCQEDT9 (0)	End BLSRDATT #MD04356
108	(6C)	SIGNED	4	APCQEDIM	Array entry count
112	(70)	SIGNED	4	APCQEDIL	Subscript of initial array entry
116	(74)	BITSTRING	4	APCQEDF	Flags
		1...		APCQEDFA	"BIT0" Array
120	(78)	BITSTRING	4		
124	(7C)	CHARACTER	1	APCQED99 (0)	End BLSRDATC #MD03007
124	(7C)	CHARACTER	8	APCQEMODN	Name of module requesting the service
132	(84)	BITSTRING	22		Reserved
154	(9A)	CHARACTER	1	APCQE999 (0)	End BLSAPCQE #MD85283

BLSAPCQE Cross Reference

Name	Hex Offset	Hex Value
APCQE	0	
APCQEADA	C	
APCQEADL	16	0
APCQEAS	2C	
APCQEASC	34	
APCQEASH	2E	0
APCQEAST	2C	
APCQEAS0	2C	
APCQEAS1	30	
APCQEAS2	34	
APCQEAS3	38	0
APCQEAS9	3C	
APCQED	40	
APCQEDF	74	0
APCQEDFA	74	80
APCQEDIL	70	0
APCQEDIM	6C	0
APCQEDLB	49	0
APCQEDLE	44	
APCQEDOB	48	0
APCQEDOF	40	
APCQEDT	4A	
APCQEDTD	4C	40404040
APCQEDTE	6B	40
APCQEDTY	4A	
APCQEDT0	4A	
APCQEDT9	6C	
APCQED00	40	
APCQED99	7C	
APCQEID	0	
APCQEIDC	0	D7C3D8C5
APCQEIDL	4	F1
APCQEJOBN	20	40404040
APCQELAD	3C	
APCQEMODN	7C	40404040
APCQEOW	28	D640
APCQERSA	8	
APCQERSL	14	0
APCQESYNM	18	40404040
APCQE000	0	
APCQE999	9A	
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
ZZZASTA	2C	C140
ZZZASTBL	2C	C2D3
ZZZASTBS	2C	C2E2
ZZZASTBT	2C	C2E3
ZZZASTC	2C	C340
ZZZASTCE	2C	C3C5
ZZZASTCR	2C	C3D9
ZZZASTCT	2C	C3E3
ZZZASTCV	2C	C3E5
ZZZASTDS	2C	C4E2
ZZZASTH	2C	C840
ZZZASTLI	2C	D3C9
ZZZASTNO	2C	4040
ZZZASTSB	2C	E2C2
ZZZASTSC	2C	E2C3
ZZZASTSD	2C	E2C4
ZZZASTSS	2C	E2E2
ZZZASTSV	2C	E2E5
ZZZDTYA	4A	C1
ZZZDTYB	4A	C2
ZZZDTYC	4A	C3
ZZZDTYE	4A	C5
ZZZDTYF	4A	C6
ZZZDTYI	4A	C9
ZZZDTYL	4A	D3
ZZZDTYM	4A	D4
ZZZDTYP	4A	D7
ZZZDTYU	4A	E4
ZZZDTYY	4A	E8
ZZZDTYZ	4A	E9

BLSQEXTP Programming Interface information

Programming Interface information

BLSQEXTP

End of Programming Interface information

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BLSQEXTP Heading Information

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

BLSQEXTP Map

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

BLSQEXTP 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
EXTP	0	
EXTPDEL	0	40
EXTPFUNC	0	0
EXTPINIT	0	80
EXTPRETN	4	
EXTPSERV	1	0
EXTPSFMT	1	80
QEXTP	0	

BLSQFXL Programming Interface Information

Programming Interface Information

BLSQFXL

End of Programming Interface Information

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BLSQFXL Heading Information

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

BLSQFXL Map

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.1..		FXLHEX	"BIT1" Hex field
		..1.		FXLSHDR	"BIT2" Subheader field
		.... 1...		FXLBYPS	"BIT4" Bypass this entry

BLSQFXL Cross Reference

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

BLSQNTKP Programming Interface Information

Programming Interface Information

BLSQNTKP

The following fields are **NOT** part of the programming interface:

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

End of Programming Interface Information

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BLSQNTKP Heading Information

Common Name: Name/Token Service Parameter List
Macro ID: BLSQNTKP
DSECT Name: Caller supplied
Owning Component: IPCS (SC132)
Eye-Catcher ID: NTKP
Offset: 0
Length: 4
Storage Attributes: Main Storage: N/A
Virtual Storage: Yes
Auxiliary Storage: N/A
Subpool: 0
Key: 8
Data Space: N/A
Residency: Either above or below
Size: 132 bytes
Created by: Calling program
Pointed to by: parameter list
Serialization: N/A
Function: BLSQNTKP contains the mapping of the parameters used for communication between IPCS exits and the Name/Token service exit.

BLSQNTKP Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	QNTKP	, IPCS name service parameter list
0	(0)	CHARACTER	1	QNTKP000 (0)	Begin BLSQNTKP
0	(0)	CHARACTER	6	QNTKPID (0)	Name/Token service parameter identifier
0	(0)	CHARACTER	4	QNTKPIDC	NTKP acronym
4	(4)	CHARACTER	1	QNTKPIDL	NTKP level indicator
5	(5)	CHARACTER	1		Reserved
6	(6)	SIGNED	2	QNTKPLCODE	Level code
8	(8)	CHARACTER	8	QNTKPMODN	The name of the module requesting the service
16	(10)	CHARACTER	16	QNTKPNAME	The input NAME to be translated
32	(20)	ADDRESS	4	QNTKPTCBP	The TCB the input NAME is associated with
36	(24)	BITSTRING	2	QNTKPASID	The ASID the input NAME is associated with
38	(26)	BITSTRING	2	QNTKPPFLG (0)	Processing flags
38	(26)	BITSTRING	1	QNTKPPFL1	First byte of flags (input)
		1...		QNTKPFNOT	"X'80'" No output requested Set by caller, not housekept
39	(27)	BITSTRING	1	QNTKPPFL2	Second byte of flags (output)
		1...		QNTKPNOTF	"X'80'" Requested Name/Token not found
		.1..		QNTKPAUTH	"X'40'" The Name/Token element creator was authorized
		..1.		QNTKPPRST	"X'20'" The Name/Token element was marked persistent

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		...1		QNTKPMSTG	"X'10'" Missing storage
		.... 1...		QNTKPFLERR	"X'08'" Logical error in data
40	(28)	ADDRESS	4	QNTKPRBAD	Referenced block address, ASSB/STCB
44	(2C)	BITSTRING	16	QNTKPTOKN	The output TOKEN
60	(3C)	SIGNED	4	QNTKPOUTL	Length of contents of NTKPOUT field
64	(40)	CHARACTER	40	QNTKPOUT	Name/Token service output area
104	(68)	BITSTRING	2	QNTKPCASID	The ASID the input NAME is associated with, for system level requests
106	(6A)	BITSTRING	26	QNTKPRSVD	Reserved
132	(84)	CHARACTER	1	QNTKP999 (0)	End BLSQNTKP
132	(84)	X'1'	0	QNTKPTLEV	"1,C'H',2" Task level
132	(84)	X'2'	0	QNTKPALEV	"2,C'H',2" Address space level
132	(84)	X'3'	0	QNTKPSLEV	"3,C'H',2" System level

BLSQNTKP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
QNTKP	0	
QNTKPALEV	84	2
QNTKPASID	24	0
QNTKPAUTH	27	40
QNTKPCASID	68	0
QNTKPFLERR	27	8
QNTKPFNOT	26	80
QNTKPID	0	
QNTKPIDC	0	D5E3D2D7
QNTKPIDL	4	F1
QNTKPLCODE	6	0
QNTKPMODN	8	40404040
QNTKPMSTG	27	10
QNTKPNAME	10	40404040
QNTKPNOTF	27	80
QNTKPOUT	40	40404040
QNTKPOUTL	3C	0
QNTKPPFLG	26	
QNTKPPFL1	26	0
QNTKPPFL2	27	0
QNTKPPRST	27	20
QNTKPRBAD	28	
QNTKPRSVD	6A	0
QNTKPSLEV	84	3
QNTKPTCBP	20	
QNTKPTLEV	84	1
QNTKPTOKN	2C	0
QNTKP000	0	
QNTKP999	84	

BLSRDATC Programming Interface information

Programming Interface information

BLSRDATC

End of Programming Interface information

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BLSRDATC Heading Information

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

BLSRDATC Map

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

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

Comment

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

End of Comment

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
10	(A)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
10	(A)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
10	(A)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
10	(A)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
10	(A)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
10	(A)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
10	(A)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
10	(A)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
10	(A)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
10	(A)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
10	(A)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
10	(A)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
11	(B)	BITSTRING	1		
12	(C)	CHARACTER	31	DA31TD	Data name
43	(2B)	CHARACTER	1	DA31TE	reserved
44	(2C)	CHARACTER	1	DA31T9 (0)	End BLSRDATT #MD04356
44	(2C)	SIGNED	4	DA31IM	Array entry count
48	(30)	SIGNED	4	DA31IL	Subscript of initial array entry
52	(34)	BITSTRING	4	DA31F	Flags
		1...		DA31FA	"BIT0" Array
56	(38)	BITSTRING	4		
60	(3C)	CHARACTER	1	DA3199 (0)	End BLSRDATC #MD03007

BLSRDATC Cross Reference

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

BLSRDATS Programming Interface information

Programming Interface information

BLSRDATS

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BLSRDATS Heading Information

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

BLSRDATS Map

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	BITSTRING	4	DATS3	Reserved
16	(10)	CHARACTER	1	DATS9 (0)	End BLSRDATS #MD03009

BLSRDATS Cross Reference

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

BLSRDATT Programming Interface information

Programming Interface information

BLSRDATT

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BLSRDATT Heading Information

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

BLSRDATT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	STRUCTURE	0	DATT	, IPCS data type descriptor
0	(0)	CHARACTER	1	DATT0 (0)	Begin BLSRDATT #MD04356
0	(0)	CHARACTER	1	DATTY (0)	Data type code
0	(0)	ADDRESS	1		Data type code
				Comment	
------- The following data type codes are supported by IPCS -----					
				End of Comment	
0	(0)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
0	(0)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
0	(0)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
0	(0)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
0	(0)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
0	(0)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
0	(0)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
0	(0)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
0	(0)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
0	(0)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
0	(0)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
0	(0)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
1	(1)	BITSTRING	1		
2	(2)	CHARACTER	31	DATTD	Data name
33	(21)	CHARACTER	1	DATTE	reserved
34	(22)	CHARACTER	1	DATT9 (0)	End BLSRDATT #MD04356

BLSRDATT Cross Reference

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

BLSRDA64 Programming Interface information

Programming Interface information

BLSRDA64

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BLSRDATC Heading Information

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

BLSRDA64 Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DA64	, IPCS attribute descriptor
0	(0)	CHARACTER	1	DA6400 (0)	Begin BLSRDATC #MD03007
0	(0)	SIGNED	8	DA64OF (0)	Offset in bytes
0	(0)	ADDRESS	8		Offset in bytes
8	(8)	ADDRESS	8	DA64LE	Length in bytes
16	(10)	SIGNED	1	DA64OB	
17	(11)	SIGNED	1	DA64LB	
18	(12)	SIGNED	2	(0)	Align structure on boundary
18	(12)	CHARACTER	34	DA64T (0)	IPCS data type descriptor
18	(12)	CHARACTER	1	DA64T0 (0)	Begin BLSRDATT #MD04356
18	(12)	CHARACTER	1	DA64TY (0)	Data type code
18	(12)	ADDRESS	1		Data type code
				Comment	
------- The following data type codes are supported by IPCS -----					
				End of Comment	
18	(12)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
18	(12)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
18	(12)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
18	(12)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
18	(12)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
18	(12)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
18	(12)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
18	(12)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
18	(12)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
18	(12)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
18	(12)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
18	(12)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
19	(13)	BITSTRING	1		
20	(14)	CHARACTER	31	DA64TD	Data name
51	(33)	CHARACTER	1	DA64TE	reserved
52	(34)	CHARACTER	1	DA64T9 (0)	End BLSRDATT #MD04356
52	(34)	BITSTRING	8	DA64IM	Array entry count
60	(3C)	BITSTRING	8	DA64IL	Subscript of initial array entry
68	(44)	BITSTRING	4	DA64F	Flags
		1...		DA64FA	"BIT0" Array
72	(48)	BITSTRING	4		
76	(4C)	CHARACTER	1	DA6499 (0)	End BLSRDATC #MD03007

BLSRDA64 Cross Reference

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

BLSRDRPX Programming Interface information

Programming Interface information

BLSRDRPX

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BLSRDRPX Heading Information

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

BLSRDRPX Map

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

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

Comment

```
------------------------------------------------------------------
Dump record prefix #MD04169
------------------------------------------------------------------
```

End of Comment

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

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

Comment

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	DR31AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	DR31AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	DR31AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H '" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
6	(6)	BITSTRING	2	DR31ASH	Reserved
8	(8)	SIGNED	4	DR31AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	DR31ASC (0)	Second qualifier
12	(C)	SIGNED	4	DR31AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	DR31AS3	Reserved
20	(14)	CHARACTER	1	DR31AS9 (0)	End BLSRDATS #MD03009
20	(14)	ADDRESS	4	DR31LAD	Logical address
24	(18)	SIGNED	4	DR31SEQ	Sequence number used to prevent dumps from merging
28	(1C)	SIGNED	4	(2)	Reserved for data common to all types of dump records
36	(24)	BITSTRING	28	DR31TYPD	Record type specific data
64	(40)	CHARACTER	1	DR31999 (0)	End BLSRDRPX #MD04169

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

		Store Status Record (type C) Data			

				End of Comment	
36	(24)	BITSTRING	1	DR31FLAGS	Store status flags
		1...		DR31SSINV	"BIT0" Store status may be invalid
		.1..		DR31SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		DR31GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		DR31BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		DR31BFPV	"BIT4" FPRs valid in extended status
		.... .1..		DR31BFPH	"BIT5" Binary floating point hardware
		1		DR31ZARCH	"BIT7" Status in z/Architecture format
		1		DR31ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved
				Comment	

		Dump Header Record (type H) Data			

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

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

				End of Comment	
36	(24)	BITSTRING	1	DR31KEY	Storage key for page
		1111 1111		DR31KEYQ	"X'FF'" Storage key not known
		1111		DR31KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		DR31KEYF	"BIT4" Fetch-protection indicator
		.... .11.		DR31KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		DR31KEYR	"BIT5" Page referenced
		.... ..1.		DR31KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	DR31TYPS	Record type specific data
				Comment	

		Data Space Storage Record (type DS, SS) Data.			
				End of Comment	
42	(2A)	SIGNED	2		Reserved

BLSRDRPX Cross Reference

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		The following supplements the ASID and Data Space information. ----------			
		End of Comment			
44	(2C)	ADDRESS	4	DR31ASTE	Absolute address of ASTE
48	(30)	BITSTRING	8	DR31STOKN	STOKEN
56	(38)	BITSTRING	8		Reserved
		Comment			
		---------- Storage Record (types CV, SV and SC) data. Note: The only COMPDATA record for which this information is regarded as present is COMPDATA(IARHVSHR) at this time. ----------			
		End of Comment			
42	(2A)	BITSTRING	1	DR31STYP	System area type
		1...		DR31COMM	"BIT0" Common area
		.1..		DR31AAF	"BIT1" Absolute address given
43	(2B)	BITSTRING	1		Reserved
44	(2C)	ADDRESS	4	DR31AAP	Absolute address
48	(30)	BITSTRING	16		Reserved

BLSRDRPX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	DR31IDV	2	F1
BIT1	0	40	DR31IDV31	2	F1
BIT2	0	20	DR31IDV64	2	F2
BIT3	0	10	DR31KEY	24	
BIT4	0	8	DR31KEYA	24	F0
BIT5	0	4	DR31KEYC	24	2
BIT6	0	2	DR31KEYF	24	8
BIT7	0	1	DR31KEYQ	24	FF
DR31	0		DR31KEYR	24	4
DR31AAF	2A	40	DR31KEYU	24	6
DR31AAP	2C		DR31LAD	14	
DR31AS	4		DR31LEN	3	
DR31ASC	C		DR31SADP	24	1
DR31ASH	6	0	DR31SEQ	18	0
DR31AST	4		DR31SIGPF	24	40
DR31ASTE	2C		DR31SIZ	0	40
DR31AS0	4		DR31SLPDP	24	4
DR31AS1	8		DR31SMDP	24	3
DR31AS2	C		DR31SSINV	24	80
DR31AS3	10	0	DR31STOKN	30	
DR31AS9	14		DR31STYP	2A	
DR31BFP	24	10	DR31SVCDP	24	2
DR31BFPH	24	4	DR31TYPD	24	0
DR31BFPV	24	8	DR31TYPS	2A	
DR31BLSDP	24	5	DR31ZARCH	24	1
DR31COMM	2A	80	DR31999	40	
DR31DUMPT	24		ZZZASTA	4	C140
DR31ESAME	24	1	ZZZASTBL	4	C2D3
DR31FLAGS	24		ZZZASTBS	4	C2E2
DR31GPRVL	24	20	ZZZASTBT	4	C2E3
DR31ID	0		ZZZASTC	4	C340
DR31IDC	0	C4D9	ZZZASTCE	4	C3C5
DR31IDCV	0	C4D9	ZZZASTCR	4	C3D9

Name	Hex Offset	Hex Value
ZZZASTCT	4	C3E3
ZZZASTCV	4	C3E5
ZZZASTDS	4	C4E2
ZZZASTH	4	C840
ZZZASTLI	4	D3C9
ZZZASTNO	4	4040
ZZZASTSB	4	E2C2
ZZZASTSC	4	E2C3
ZZZASTSD	4	E2C4
ZZZASTSS	4	E2E2
ZZZASTSV	4	E2E5

BLSRDR64 Programming Interface information

Programming Interface information

BLSRDR64

End of Programming Interface information

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BLSRDR64 Heading Information

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

BLSRDR64 Map

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

Comment

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

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

- Code CR indicates that the file contains an MVS high-speed dump and that real main storage seen by one CPU is being referenced (CPU REAL)
- Code CT indicates that the file contains an MVS high-speed dump and that a console loop trace for one CPU is being referenced (CPU DOMAIN(CPUTRACE))
- Code CV indicates that the file contains an MVS high-speed dump and that virtual main storage seen by one MVS address space dispatched on a designated CPU is being referenced (CPU ASID)
- Code DS indicates that the file contains an MVS high-speed dump and that a data space is being referenced (ASID DSPNAME)
- Letter code H indicates that the file contains an MVS high-speed dump and that the header data for the dump is being referenced (HEADER)
- Code LI refers to a literal value associated with a symbol (LITERAL)
- Code SB indicates that the file contains an MVS high-speed dump and that the SDUMP 4K buffer is being referenced (DOMAIN(SDUMPBUFFER))
- Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA)
- Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP))
- Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP)
- Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP)

(2) A binary integer whose interpretation depends on the preceding code:

- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space.
- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.

(3) A doubleword whose interpretation depends on the preceding code:

- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
- For codes DS and SS the doubleword is interpreted as the

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		DSPNAME for the referenced data space.			
		- For code SC the doubleword is interpreted as a component identifier.			
		- For other codes this doubleword has no meaning and should be set to zero.			

		End of Comment			
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	DR64AS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	DR64AS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	DR64AST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H '" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
6	(6)	BITSTRING	2	DR64ASH	Reserved
8	(8)	SIGNED	4	DR64AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	DR64ASC (0)	Second qualifier
12	(C)	SIGNED	4	DR64AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	DR64AS3	Reserved
20	(14)	CHARACTER	1	DR64AS9 (0)	End BLSRDATS #MD03009
20	(14)	BITSTRING	8	DR64LAD	Logical address
28	(1C)	SIGNED	4	DR64SEQ	Sequence number used to prevent dumps from merging
32	(20)	BITSTRING	3		Reserved for data common to all types of dump records
35	(23)	ADDRESS	1	DR64PHASE	Phase of dumping program
35	(23)	X'0'	0	DR64PHASE0	"0" No phase recorded
35	(23)	X'1'	0	DR64PHASESADMPA	"1" SADMP early real data collection
35	(23)	X'2'	0	DR64PHASESADMPB	"2" SADMP virtual data collection
35	(23)	X'3'	0	DR64PHASESADMPC	"3" SADMP added real data collection
36	(24)	BITSTRING	28	DR64TYPD	Record type specific data
64	(40)	CHARACTER	1	DR64999 (0)	End BLSRDRPX #MD04169
		Comment			

		Store Status Record (type C) Data			

		End of Comment			
36	(24)	BITSTRING	1	DR64FLAGS	Store status flags
		1...		DR64SSINV	"BIT0" Store status may be invalid

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.1..		DR64SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		DR64GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		DR64BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		DR64BFPV	"BIT4" FPRs valid in extended status
		.... .1..		DR64BFPH	"BIT5" Binary floating point hardware
		1		DR64ZARCH	"BIT7" Status in z/Architecture format
		1		DR64ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved
				Comment	

		Dump Header Record (type H) Data			

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

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

				End of Comment	
36	(24)	BITSTRING	1	DR64KEY	Storage key for page
		1111 1111		DR64KEYQ	"X'FF'" Storage key not known
		1111		DR64KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		DR64KEYF	"BIT4" Fetch-protection indicator
		.... .11.		DR64KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		DR64KEYR	"BIT5" Page referenced
		.... ..1.		DR64KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	DR64TYPS	Record type specific data
				Comment	

		Data Space Storage Record (type DS, SS) Data.			
				End of Comment	
42	(2A)	SIGNED	2		Reserved
				Comment	

				End of Comment	
44	(2C)	BITSTRING	20		Reserved

BLSRDR64 Cross Reference

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		---------- Storage Record (types CV, SV and SC) data. Note: The only COMPDATA record for which this information is regarded as present is COMPDATA(IARHVSHR) at this time. ----------			
		End of Comment			
42	(2A)	BITSTRING	1	DR64STYP	System area type
		1...		DR64COMM	"BIT0" Common area
		.1..		DR64AAF	"BIT1" Absolute address given
43	(2B)	BITSTRING	1		Reserved
44	(2C)	BITSTRING	8	DR64AAP	Absolute address
52	(34)	BITSTRING	12		Reserved

BLSRDR64 Cross Reference

Name	Hex Offset	Hex Value
DR64	0	
DR64AAF	2A	40
DR64AAP	2C	
DR64AS	4	
DR64ASC	C	
DR64ASH	6	0
DR64AST	4	
DR64AS0	4	
DR64AS1	8	
DR64AS2	C	
DR64AS3	10	0
DR64AS9	14	
DR64BFP	24	10
DR64BFPH	24	4
DR64BFPV	24	8
DR64BLSDP	24	5
DR64COMM	2A	80
DR64DUMPT	24	
DR64ESAME	24	1
DR64FLAGS	24	
DR64GPRVL	24	20
DR64ID	0	
DR64IDC	0	C4D9
DR64IDCV	0	C4D9
DR64IDV	2	F2
DR64IDV31	2	F1
DR64IDV64	2	F2
DR64KEY	24	
DR64KEYA	24	F0
DR64KEYC	24	2
DR64KEYF	24	8
DR64KEYQ	24	FF
DR64KEYR	24	4
DR64KEYU	24	6
DR64LAD	14	0
DR64LEN	3	
DR64PHASE	23	
DR64PHASESADMPA	23	1
DR64PHASESADMPB	23	2
DR64PHASESADMPC	23	3
DR64PHASE0	23	0
DR64SADP	24	1
DR64SEQ	1C	0
DR64SIGPF	24	40
DR64SLPDP	24	4
DR64SMDP	24	3
DR64SSINV	24	80
DR64STYP	2A	
DR64SVCDP	24	2
DR64TYPD	24	0
DR64TYPS	2A	
DR64ZARCH	24	1
DR64999	40	
ZZZASTA	4	C140
ZZZASTBL	4	C2D3
ZZZASTBS	4	C2E2
ZZZASTBT	4	C2E3
ZZZASTC	4	C340
ZZZASTCE	4	C3C5
ZZZASTCR	4	C3D9
ZZZASTCT	4	C3E3
ZZZASTCV	4	C3E5
ZZZASTDS	4	C4E2
ZZZASTH	4	C840
ZZZASTLI	4	D3C9
ZZZASTNO	4	4040
ZZZASTSB	4	E2C2
ZZZASTSC	4	E2C3
ZZZASTSD	4	E2C4
ZZZASTSS	4	E2E2
ZZZASTSV	4	E2E5

BLSRESSY Programming Interface information

Programming Interface information

BLSRESSY

End of Programming Interface information

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BLSRESSY Heading Information

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

BLSRESSY Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ES31	, IPCS Equate Symbol Record
0	(0)	CHARACTER	1	ES31000 (0)	Begin BLSRESSY #MD99236
0	(0)	CHARACTER	2	ES31RID	Record type==>ES
2	(2)	BITSTRING	6		
8	(8)	CHARACTER	8		
16	(10)	BITSTRING	8		

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

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

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

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		- Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP) (2) A binary integer whose interpretation depends on the preceding code: - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
60	(3C)	SIGNED	4	(0)	Align on word boundary
60	(3C)	CHARACTER	16	ES31AS (0)	IPCS address space descriptor
60	(3C)	CHARACTER	1	ES31AS0 (0)	Begin BLSRDATS #MD03009
60	(3C)	CHARACTER	2	ES31AST (0)	Address space type code
60	(3C)	ADDRESS	2		Address space type code
60	(3C)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
60	(3C)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
60	(3C)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
60	(3C)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
60	(3C)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
60	(3C)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
60	(3C)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
60	(3C)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
60	(3C)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
60	(3C)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
60	(3C)	X'C840'	0	ZZZASTH	"C'H '" HEADER
60	(3C)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
60	(3C)	X'4040'	0	ZZZASTNO	"C' '" No address space type code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
60	(3C)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
60	(3C)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
60	(3C)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
60	(3C)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
60	(3C)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
62	(3E)	BITSTRING	2	ES31ASH	Reserved
64	(40)	SIGNED	4	ES31AS1 (0)	Integer 1
64	(40)	SIGNED	4		Integer 1
68	(44)	CHARACTER	8	ES31ASC (0)	Second qualifier
68	(44)	SIGNED	4	ES31AS2 (0)	Integer 2
68	(44)	SIGNED	4		Integer 2
72	(48)	BITSTRING	4	ES31AS3	Reserved
76	(4C)	CHARACTER	1	ES31AS9 (0)	End BLSRDATS #MD03009
76	(4C)	ADDRESS	4	ES31LAD	Logical address

Comment

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

End of Comment

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

Comment

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

End of Comment

90	(5A)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
90	(5A)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
90	(5A)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
90	(5A)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
90	(5A)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
90	(5A)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
90	(5A)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
90	(5A)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
90	(5A)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
90	(5A)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
90	(5A)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
90	(5A)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
91	(5B)	BITSTRING	1		
92	(5C)	CHARACTER	31	ES31DTD	Data name
123	(7B)	CHARACTER	1	ES31DTE	reserved
124	(7C)	CHARACTER	1	ES31DT9 (0)	End BLSRDATT #MD04356
124	(7C)	SIGNED	4	ES31DIM	Array entry count

BLSRESSY Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dec)**	**Description**
128	(80)	SIGNED	4	ES31DIL	Subscript of initial array entry
132	(84)	BITSTRING	4	ES31DF	Flags
		1...		ES31DFA	"BIT0" Array
136	(88)	BITSTRING	4		
140	(8C)	CHARACTER	1	ES31D99 (0)	End BLSRDATC #MD03007
140	(8C)	ADDRESS	4	ES31MAD	Address of 1st missing byte
144	(90)	BITSTRING	15		
159	(9F)	BITSTRING	1	ES31SRC	Scan result code
160	(A0)	BITSTRING	1	ES31KEY	Storage key, X'FF'=indeterminate

Comment

Flags

End of Comment

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

Comment

Remark--LENGTH(0:512) characters

End of Comment

180	(B4)	CHARACTER	1	ES31R (0)	Remark data
180	(B4)	SIGNED	2	ES31RL	Length of remark text
180	(B4)	X'0'	0	ES31LTL	"0" Minimum remark text length
180	(B4)	X'200'	0	ES31HTL	"512" Maximum remark text length
182	(B6)	CHARACTER	1	ES31RT (0)	Remark text
694	(2B6)	CHARACTER	1	ES31999 (0)	End BLSRESSY #MD99236
694	(2B6)	X'B6'	0	ES31LRL	"ES31RT-ES31000" Minimum record length
694	(2B6)	X'2B6'	0	ES31HRL	"ES31999-ES31000" Maximum record length

BLSRESSY Cross Reference

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

BLSRES64 Programming Interface information

Programming Interface information

BLSRES64

End of Programming Interface information

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BLSRES64 Heading Information

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

BLSRES64 Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ES64	, IPCS Equate Symbol Record
0	(0)	CHARACTER	1	ES64000 (0)	Begin BLSRESSY #MD99236
0	(0)	CHARACTER	2	ES64RID	Record type==>ES
2	(2)	BITSTRING	6		
8	(8)	CHARACTER	8		
16	(10)	BITSTRING	8		
				Comment	
				An Equate Symbol record defines one symbol, associating it with a contiguous block of storage in an address space.	
				End of Comment	
24	(18)	SIGNED	4	ES64RDX	Data set index
28	(1C)	CHARACTER	31	ES64SYM	Equated symbol
59	(3B)	CHARACTER	1	ES64ELK (0)	End of logical key
59	(3B)	X'3B'	0	ES64LKL	"ES64ELK-ES64000" Logical key length
59	(3B)	CHARACTER	1	ES64RST	BLSRESSY subtype - ABITS=64
59	(3B)	X'40'	0	ES64RST31	"C' '" BLSRESSY subtype - ABITS=31
59	(3B)	X'F2'	0	ES64RST64	"C'2'" BLSRESSY subtype - ABITS=64

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

Comment

An IPCS address space is specified by three values:

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

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

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

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

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

			End of Comment		
84	(54)	SIGNED	4	(0)	Align structure on boundary
84	(54)	CHARACTER	76	ES64D (0)	IPCS attribute descriptor
84	(54)	CHARACTER	1	ES64D00 (0)	Begin BLSRDATC #MD03007
84	(54)	SIGNED	8	ES64DOF (0)	Offset in bytes
84	(54)	ADDRESS	8		Offset in bytes
92	(5C)	ADDRESS	8	ES64DLE	Length in bytes
100	(64)	SIGNED	1	ES64DOB	
101	(65)	SIGNED	1	ES64DLB	
102	(66)	SIGNED	2	(0)	Align structure on boundary
102	(66)	CHARACTER	34	ES64DT (0)	IPCS data type descriptor
102	(66)	CHARACTER	1	ES64DT0 (0)	Begin BLSRDATT #MD04356
102	(66)	CHARACTER	1	ES64DTY (0)	Data type code
102	(66)	ADDRESS	1		Data type code
			Comment		
		------- The following data type codes are supported by IPCS -----			
			End of Comment		
102	(66)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
102	(66)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
102	(66)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
102	(66)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
102	(66)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
102	(66)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
102	(66)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
102	(66)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
102	(66)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
102	(66)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
102	(66)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
102	(66)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
103	(67)	BITSTRING	1		
104	(68)	CHARACTER	31	ES64DTD	Data name
135	(87)	CHARACTER	1	ES64DTE	reserved
136	(88)	CHARACTER	1	ES64DT9 (0)	End BLSRDATT #MD04356
136	(88)	BITSTRING	8	ES64DIM	Array entry count
144	(90)	BITSTRING	8	ES64DIL	Subscript of initial array entry
152	(98)	BITSTRING	4	ES64DF	Flags
		1...		ES64DFA	"BIT0" Array
156	(9C)	BITSTRING	4		
160	(A0)	CHARACTER	1	ES64D99 (0)	End BLSRDATC #MD03007
160	(A0)	BITSTRING	8	ES64MAD	Address of 1st missing byte
168	(A8)	BITSTRING	15		
183	(B7)	BITSTRING	1	ES64SRC	Scan result code
184	(B8)	BITSTRING	1	ES64KEY	Storage key, X'FF'=indeterminate

BLSRES64 Cross Reference

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

		Flags			

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

		Remark--LENGTH(0:512) characters			

		End of Comment			
208	(D0)	CHARACTER	1	ES64R (0)	Remark data
208	(D0)	SIGNED	2	ES64RL	Length of remark text
208	(D0)	X'0'	0	ES64LTL	"0" Minimum remark text length
208	(D0)	X'200'	0	ES64HTL	"512" Maximum remark text length
210	(D2)	CHARACTER	1	ES64RT (0)	Remark text
722	(2D2)	CHARACTER	1	ES64999 (0)	End BLSRESSY #MD99236
722	(2D2)	X'D2'	0	ES64LRL	"ES64RT-ES64000" Minimum record length
722	(2D2)	X'2D2'	0	ES64HRL	"ES64999-ES64000" Maximum record length

BLSRES64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ES64	0		ES64DLB	65	0
ES64ABS	BC	0	ES64DLE	5C	
ES64AS	3C		ES64DOB	64	0
ES64ASC	44		ES64DOF	54	
ES64ASH	3E	0	ES64DT	66	
ES64AST	3C		ES64DTD	68	40404040
ES64AS0	3C		ES64DTE	87	40
ES64AS1	40		ES64DTY	66	
ES64AS2	44		ES64DT0	66	
ES64AS3	48	0	ES64DT9	88	
ES64AS9	4C		ES64D00	54	
ES64D	54		ES64D99	A0	
ES64DF	98	0	ES64ELK	3B	
ES64DFA	98	80	ES64F	B9	
ES64DIL	90	0	ES64FC	BA	0
ES64DIM	88	0	ES64FCD	BA	80

Name	Hex Offset	Hex Value
ES64FCO	BB	80
ES64FFP	BB	40
ES64FF9	BA	40
ES64FRA	BB	20
ES64FS	B9	0
ES64FSA	B9	10
ES64FSC	B9	80
ES64FSM	B9	20
ES64FSP	B9	8
ES64FSR	B9	4
ES64FSS	B9	1
ES64FSX	B9	2
ES64FS2	B9	40
ES64HRL	2D2	2D2
ES64HTL	D0	200
ES64KEY	B8	0
ES64LAD	4C	0
ES64LKL	3B	3B
ES64LRL	2D2	D2
ES64LTL	D0	0
ES64MAD	A0	0
ES64R	D0	
ES64RDX	18	0
ES64RID	0	C5E2
ES64RL	D0	0
ES64RST	3B	F2
ES64RST31	3B	40
ES64RST64	3B	F2
ES64RT	D2	40404040
ES64SRC	B7	0
ES64SYM	1C	40404040
ES64000	0	
ES64999	2D2	
ZZZASTA	3C	C140
ZZZASTBL	3C	C2D3
ZZZASTBS	3C	C2E2
ZZZASTBT	3C	C2E3
ZZZASTC	3C	C340
ZZZASTCE	3C	C3C5
ZZZASTCR	3C	C3D9
ZZZASTCT	3C	C3E3
ZZZASTCV	3C	C3E5
ZZZASTDS	3C	C4E2
ZZZASTH	3C	C840
ZZZASTLI	3C	D3C9
ZZZASTNO	3C	4040
ZZZASTSB	3C	E2C2
ZZZASTSC	3C	E2C3
ZZZASTSD	3C	E2C4
ZZZASTSS	3C	E2E2
ZZZASTSV	3C	E2E5
ZZZDTYA	66	C1
ZZZDTYB	66	C2
ZZZDTYC	66	C3
ZZZDTYE	66	C5
ZZZDTYF	66	C6
ZZZDTYI	66	C9
ZZZDTYL	66	D3
ZZZDTYM	66	D4
ZZZDTYP	66	D7
ZZZDTYU	66	E4
ZZZDTYY	66	E8
ZZZDTYZ	66	E9

BLSRNAMP Programming Interface information

Programming Interface information

BLSRNAMP

End of Programming Interface information

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BLSRNAMP Heading Information

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

BLSRNAMP Map

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

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

Comment

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

End of Comment

0	(0)	CHARACTER	5	NAMPID (0)	Name service parameter identifier
0	(0)	CHARACTER	4	NAMPIDC	NAMP acronym
4	(4)	CHARACTER	1	NAMPIDL	NAMP level indicator
5	(5)	BITSTRING	3	NAMPPFLG (0)	Processing flags
5	(5)	BITSTRING	1	NAMPFL1 (0)	First byte of flags (name 1)
5	(5)	BITSTRING	1	NAMPPFL1	First byte of flags (name 2)
		1...		NAMPFNOT	"BIT0" No output requested
		.1..		NAMPFAS	"BIT1" STOKEN identified as an address space

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		NAMPFDS	"BIT2" STOKEN identified as a data space
		...1		NAMPF141	"BIT3" Suppress message BLS18141I
		.... 1...		NAMPFHS	"BIT4" STOKEN identified as a HIPER space
		.... .1..		NAMPFCAD	"BIT5" STOKEN identified as a common area data space
		.... ..1.		NAMPFSSP	"BIT6" STOKEN identified as a subspace
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	NAMPMODN	Name of module requesting the service
16	(10)	ADDRESS	4	NAMPASTE	Real address of a data space ASTE
20	(14)	BITSTRING	8		Reserved
28	(1C)	BITSTRING	8	NAMPSTKN	The input STOKEN to be translated
36	(24)	BITSTRING	4	NAMPASID	The address space ASID or owning ASID if the STOKEN is a data space
40	(28)	BITSTRING	8		Reserved
48	(30)	CHARACTER	8	NAMPDSPN	Data Space Name
48	(30)	CHARACTER	8	NAMPSSPN	Subspace name
56	(38)	SIGNED	4	NAMPOUTL	Length of contents of NAMPOUT field
60	(3C)	CHARACTER	40	NAMPOUT	Space addressable by the STOKEN in standard IPCS display format
100	(64)	BITSTRING	28		Reserved
128	(80)	CHARACTER	1	NAMP999 (0)	End BLSRNAMP #MD93124

BLSRNAMP Cross Reference

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

BLSRPRD Programming Interface information

Programming Interface information

BLSRPRD

End of Programming Interface information

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BLSRPRD Heading Information

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

BLSRPRD Map

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
Comment					
---------- Dump record prefix #MD04169 ----------					
End of Comment					
0	(0)	CHARACTER	3	PRDID (0)	Dump record prefix identifier
0	(0)	CHARACTER	2	PRDIDC	Dump record prefix eye-catcher
0	(0)	X'C4D9'	0	PRDIDCV	"C'DR',2,C'C'" Dump record prefix eye-catcher
2	(2)	CHARACTER	1	PRDIDV	Dump record prefix version
2	(2)	X'F1'	0	PRDIDV31	"C'1',1,C'C'" 31-bit support levels
2	(2)	X'F2'	0	PRDIDV64	"C'2',1,C'C'" 64-bit support levels
3	(3)	ADDRESS	1	PRDLEN	Dump record prefix length
Comment					

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		- Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP) (2) A binary integer whose interpretation depends on the preceding code: - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
4	(4)	SIGNED	4	(0)	Align on word boundary
4	(4)	CHARACTER	16	PRDAS (0)	IPCS address space descriptor
4	(4)	CHARACTER	1	PRDAS0 (0)	Begin BLSRDATS #MD03009
4	(4)	CHARACTER	2	PRDAST (0)	Address space type code
4	(4)	ADDRESS	2		Address space type code
4	(4)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
4	(4)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
4	(4)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
4	(4)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
4	(4)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
4	(4)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
4	(4)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
4	(4)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
4	(4)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
4	(4)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
4	(4)	X'C840'	0	ZZZASTH	"C'H '" HEADER
4	(4)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
4	(4)	X'4040'	0	ZZZASTNO	"C' '" No address space type code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
4	(4)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
4	(4)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
4	(4)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
4	(4)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
6	(6)	BITSTRING	2	PRDASH	Reserved
8	(8)	SIGNED	4	PRDAS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRDASC (0)	Second qualifier
12	(C)	SIGNED	4	PRDAS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRDAS3	Reserved
20	(14)	CHARACTER	1	PRDAS9 (0)	End BLSRDATS #MD03009
20	(14)	ADDRESS	4	PRDLAD	Logical address
24	(18)	SIGNED	4	PRDSEQ	Sequence number used to prevent dumps from merging
28	(1C)	SIGNED	4	(2)	Reserved for data common to all types of dump records
36	(24)	BITSTRING	28	PRDTYPD	Record type specific data
64	(40)	CHARACTER	1	PRD999 (0)	End BLSRDRPX #MD04169
				Comment	

				Store Status Record (type C) Data	

				End of Comment	
36	(24)	BITSTRING	1	PRDFLAGS	Store status flags
		1...		PRDSSINV	"BIT0" Store status may be invalid
		.1..		PRDSIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRDGPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRDBFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRDBFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRDBFPH	"BIT5" Binary floating point hardware
		1		PRDZARCH	"BIT7" Status in z/Architecture format
		1		PRDESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved
				Comment	

				Dump Header Record (type H) Data	

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

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

				End of Comment	
36	(24)	BITSTRING	1	PRDKEY	Storage key for page
		1111 1111		PRDKEYQ	"X'FF'" Storage key not known
		1111		PRDKEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code

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

Comment

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

End of Comment

42	(2A)	SIGNED	2		Reserved

Comment

The following supplements the ASID and Data Space information.

End of Comment

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

Comment

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

End of Comment

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

Comment

Dump record prefix #MD04169

End of Comment

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	SIGNED	4	PRD64AS1 (0)	Integer 1
8	(8)	SIGNED	4		Integer 1
12	(C)	CHARACTER	8	PRD64ASC (0)	Second qualifier
12	(C)	SIGNED	4	PRD64AS2 (0)	Integer 2
12	(C)	SIGNED	4		Integer 2
16	(10)	BITSTRING	4	PRD64AS3	Reserved
20	(14)	CHARACTER	1	PRD64AS9 (0)	End BLSRDATS #MD03009
20	(14)	BITSTRING	8	PRD64LAD	Logical address
28	(1C)	SIGNED	4	PRD64SEQ	Sequence number used to prevent dumps from merging
32	(20)	BITSTRING	3		Reserved for data common to all types of dump records
35	(23)	ADDRESS	1	PRD64PHASE	Phase of dumping program
35	(23)	X'0'	0	PRD64PHASE0	"0" No phase recorded
35	(23)	X'1'	0	PRD64PHASESADMPA	"1" SADMP early real data collection
35	(23)	X'2'	0	PRD64PHASESADMPB	"2" SADMP virtual data collection
35	(23)	X'3'	0	PRD64PHASESADMPC	"3" SADMP added real data collection
36	(24)	BITSTRING	28	PRD64TYPD	Record type specific data
64	(40)	CHARACTER	1	PRD64999 (0)	End BLSRDRPX #MD04169

Comment

Store Status Record (type C) Data

End of Comment

36	(24)	BITSTRING	1	PRD64FLAGS	Store status flags
		1...		PRD64SSINV	"BIT0" Store status may be invalid
		.1..		PRD64SIGPF	"BIT1" SIGP Stop and Store Status failed. The GPR designated by the R1 field of the SIGP instruction is stored at offset X'110' (PRDSIGPS) of the CPU status record.
		..1.		PRD64GPRVL	"BIT2" GPRs valid despite invalid Store Status.
		...1		PRD64BFP	"BIT3" OS/390 R6 or later - BFP support
		.... 1...		PRD64BFPV	"BIT4" FPRs valid in extended status
		.... .1..		PRD64BFPH	"BIT5" Binary floating point hardware
		1		PRD64ZARCH	"BIT7" Status in z/Architecture format
		1		PRD64ESAME	"BIT7" Status in z/Architecture format
37	(25)	BITSTRING	27		Reserved

Comment

Dump Header Record (type H) Data

End of Comment

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

Comment

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

End of Comment

36	(24)	BITSTRING	1	PRD64KEY	Storage key for page

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1111 1111		PRD64KEYQ	"X'FF'" Storage key not known
		1111		PRD64KEYA	"BIT0+BIT1+BIT2+BIT3" Access-control code
		.... 1...		PRD64KEYF	"BIT4" Fetch-protection indicator
		.... .11.		PRD64KEYU	"BIT5+BIT6" Page usage indicators
		.... .1..		PRD64KEYR	"BIT5" Page referenced
		.... ..1.		PRD64KEYC	"BIT6" Page changed
37	(25)	BITSTRING	5		Reserved for common fields
42	(2A)	BITSTRING	22	PRD64TYPS	Record type specific data

Comment

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

End of Comment

42	(2A)	SIGNED	2		Reserved

Comment

End of Comment

44	(2C)	BITSTRING	20		Reserved

Comment

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

End of Comment

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PRDINPUT	,
64	(40)	CHARACTER	8	PRDMODNM	NAME OF PGM REQUESTING DUMP
72	(48)	CHARACTER	8	PRDTODVL	CLOCK VALUE AT TIME OF DUMP
80	(50)	CHARACTER	8	PRDCPU (0)	PROCESSOR IDENTIFICATION
80	(50)	CHARACTER	1	PRDPVRSN	PROCESSOR VERSION CODE IN HEX
81	(51)	CHARACTER	3	PRDPSERL	PROCESSOR SERIAL NUMBER IN HEX
84	(54)	CHARACTER	2	PRDPMODL	PROCESSOR MODEL NUMBER IN HEX
86	(56)	CHARACTER	2	PRDPCPU@	PHYSICAL CPU ADDRESS IN HEX
88	(58)	CHARACTER	100	PRDTITLE	TITLE FROM DUMP
188	(BC)	CHARACTER	8	PRDDSPB	TIME SYSTEM SET NON-DISPATCHABLE
196	(C4)	CHARACTER	8	PRDDSPE	TIME SYSTEM RESET DISPATCHABLE
204	(CC)	CHARACTER	8	PRDSNAME	SYSTEM NAME
212	(D4)	CHARACTER	12		RESERVED - Aligns PRDSDRSN
224	(E0)	CHARACTER	16	PRDSDRSN	SVC Dump reason code (only for SVC dump captured dumps)
240	(F0)	SIGNED	4	PRDSDBLK	Number of blocks in a captured dump (est. for auto alloc)
244	(F4)	CHARACTER	16	PRDPRODN	Product name
260	(104)	CHARACTER	2	PRDPRODV	Product version
262	(106)	CHARACTER	2	PRDPRODR	Product release
264	(108)	CHARACTER	2	PRDPRODM	Product modification
266	(10A)	CHARACTER	90		RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
356	(164)	SIGNED	4	PRDSDFWD	POINTER USED FOR HEADER CHAIN

Comment

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

End of Comment

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
264	(108)	CHARACTER	8	PRDPSW	CALLERS PSW BEFORE SDUMP
272	(110)	CHARACTER	64	PRDAR	ACCESS REGS UPON ENTERING SDUMP
336	(150)	CHARACTER	128	PRDFPR	FPR'S UPON ENTERING SDUMP
464	(1D0)	CHARACTER	4	PRDFPCR	FPCR
468	(1D4)	CHARACTER	4		RESERVED
472	(1D8)	SIGNED	4	(0)	
472	(1D8)	CHARACTER	64	PRDG64H	G64H UPON ENTERING SDUMP
536	(218)	CHARACTER	128	PRDC64S	ESAME CRs at SDUMP entry
664	(298)	SIGNED	4	PRDCSA	START OF COMMON STORAGE
668	(29C)	SIGNED	4	PRDEPVT	END OF COMMON STORAGE
672	(2A0)	CHARACTER	8	PRDHJOBN	PRDHASID JOBNAME
680	(2A8)	CHARACTER	8	PRDHVSS	START OF HIGH VIRTUAL SHARED AREA
688	(2B0)	CHARACTER	8	PRDHVHP	START OF HIGH VIRTUAL HIGH PRIVATE AREA

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PRDSLIP	,
0	(0)	CHARACTER	8	PRDSLPSW	PSW WHEN SLIP WAS ENTERED
8	(8)	CHARACTER	8		Was PRDSLPC3/C4
16	(10)	CHARACTER	64	PRDSLGPR	GPR'S WHEN SLIP WAS ENTERED
80	(50)	CHARACTER	64	PRDSLAR	ACCESS REGISTERS WHEN SLIP WAS ENTERED
144	(90)	CHARACTER	64	(0)	Was PRDSLCR
144	(90)	DBL WORD	8	PRDSLPC3	CONTROL REG 3
152	(98)	DBL WORD	8	PRDSLPC4	CONTROL REG 4
160	(A0)	CHARACTER	48		Reserved
208	(D0)	CHARACTER	64	PRDSLG6H	High halves of GPRs when SLIP was entered
272	(110)	CHARACTER	128	PRDSLC64	ESAME CRs when SLIP WAS ENTERED

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

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PRDINPUT	
64	(40)	CHARACTER	4096	PRXSTATS (0)	ESAME STORE STATUS DATA.
64	(40)	CHARACTER	512		PAD.
576	(240)	CHARACTER	512	PRXSTST (0)	
576	(240)	CHARACTER	256	PRXSTST1 (0)	
576	(240)	CHARACTER	128	PRXFPRSA (0)	FLOATING POINT REGISTER SAVE AREA.
576	(240)	CHARACTER	8	PRXFLPTR (16)	FLOATING POINT REGISTERS 0-15.
704	(2C0)	CHARACTER	128	PRXGPRSA (0)	GENERAL PURPOSE REGISTERS SAVE AREA.
704	(2C0)	CHARACTER	8	PRXGREGS (16)	GENERAL PURPOSE REGISTERS 0-15.
832	(340)	CHARACTER	256	PRXSTST2 (0)	
832	(340)	CHARACTER	16	PRXPSW	CURRENT PSW.
848	(350)	CHARACTER	1	PRXARCID	ARCHITECTURE ID.
		1		PRXESAME	"X'01'"
849	(351)	CHARACTER	3		PAD.
852	(354)	CHARACTER	4	PRXSIGPS	SIGP SENSE INFORMATION.
856	(358)	CHARACTER	4	PRXPSA	PREFIX VALUE.
860	(35C)	CHARACTER	4	PRXFPCTL	FLOATING POINT CONTROL.
864	(360)	CHARACTER	8	PRXTIMER	CPU TIMER.
872	(368)	CHARACTER	8	PRXCLKCP	CPU CLOCK COMPARATOR.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
880	(370)	CHARACTER	16		PAD.
896	(380)	CHARACTER	64	PRXARSA (0)	ACCESS REGISTER SAVE AREA.
896	(380)	CHARACTER	4	PRXAREGS (16)	ACCESS REGISTERS 0-15.
960	(3C0)	CHARACTER	128	PRXCRSA (0)	CONTROL REGISTERS SAVE AREA.
960	(3C0)	CHARACTER	8	PRXCTL (16)	CONTROL REGISTERS 0-15.
1088	(440)	CHARACTER	3072		PAD.

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

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

Comment

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

End of Comment

2112	(840)	CHARACTER	2048	PRDSR (0)	PRINT DUMP SYMTOM RECORD AREA
2112	(840)	CHARACTER	2	SR	'SR' SYMPTOM AREA ID
2112	(840)	X'E2D9'	0	SRECID	"C'SR'" 'SR' IDENTIFIER
2114	(842)	CHARACTER	40		RESERVED FOR FUTURE USE
2154	(86A)	CHARACTER	9	SRID	SYSTEM IDENTIFIER (DERIVED FROM FESN SYSTEM IDENTIFIER) OS/VS2(MVS) C'5752 '
2163	(873)	CHARACTER	5		RESERVED FOR FUTURE USE
2168	(878)	CHARACTER	8	SRDTYPE	TYPE OF DUMP, SUCH AS C'SVC DUMP'
2176	(880)	CHARACTER	8		RESERVED FOR FUTURE USE
2184	(888)	SIGNED	2	SRSLEN	LENGTH OF BASIC SYSTEM STRING IN SYSTEM DATA BASE (SDB) FORMAT FOR APARS
2186	(88A)	SIGNED	2	SRSOFF	OFFSET TO BASIC SYMPTOM STRING
2188	(88C)	SIGNED	2	SROLEN1	LENGTH OF OPTIONAL SYMPTOM STRING IN SDB FMT
2190	(88E)	SIGNED	2	SROFF1	OFFSET TO OPTIONAL SYMPTOM STRING IN SDB FORMAT
2192	(890)	SIGNED	2	SROLEN2	LENGTH OF OPTIONAL SYMP STRING 2, MAY OR MAY NOT BE IN SDB FORMAT. MAY BE CLUES THAT ARE NOT REPEATABLE, SO THEY MAY NOT BE USEFUL FOR DUPLICATE PROBLEM RECOGNITION
2194	(892)	SIGNED	2	SROFF2	OFFSET TO OPTIONAL SYMPTOM STRING 2

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
2196	(894)	SIGNED	2	SRLENCS	LENGTH OF COMPONENT SYMPTOM AREA. ZERO IF NOT SUPPLIED.
2198	(896)	SIGNED	2	SROFFCS	OFFSET TO COMPONENT SYMPTOM AREA. ZERO IF NOT IN SYMPTOM AREA. SRADDRCS CAN BE SUPPLIED IF THIS FIELD IS ZERO.
2200	(898)	SIGNED	4	SRADDRCS	VIRTUAL ADDRESS OF COMPONENT SYMPTOM AREA
2204	(89C)	CHARACTER	4	SRASID	SYSTEM DEPENDENT FIELD (ASID FOR MVS)
2208	(8A0)	CHARACTER	16		RESERVED FOR FUTURE USE
2224	(8B0)	SIGNED	4	SRHDEND (0)	END OF HEADER RECORD
2224	(8B0)	CHARACTER	112	SRBASIC (0)	BASIC SYMPTOM STRING
2224	(8B0)	CHARACTER	8	SRABD	ABEND CODE IN SDB FORMAT EX. AB/SC0D
2232	(8B8)	CHARACTER	16	SRRC	REASON CODE (IF EXISTS) EX. PRCS/1C08
2248	(8C8)	CHARACTER	16	SRCID	COMPONENT ID EX. PIDS/5752SC1C3
2264	(8D8)	CHARACTER	16	SRLM	LOAD MODULE NAME EX.RIDS/IECIOSAM#L
2280	(8E8)	CHARACTER	16	SRCSECT	CSECT NAME EX. RIDS/IECIOSCN
2296	(8F8)	CHARACTER	16	SRFRR	RECOVERY ROUTINE NAME EX.RIDS/IECIOFRR#R
2312	(908)	CHARACTER	24	SREGPSW	REGISTER/PSW DIFFERENCES EX. REGS/0C01B REGS/FFFFF
2336	(920)	SIGNED	4	SRBASEND (0)	END OF BASIC SYMPTOM STRING
2336	(920)	CHARACTER	1	SROPT1 (0)	OPTIONAL STRING 1 STRING - SDB FMT
2336	(920)	SIGNED	4	SROP1END (0)	END OF OPTIONAL STRING 1
2336	(920)	CHARACTER	84	SROPT2 (0)	OPTIONAL STRING 2 STRING 2 - NON-SDB
2336	(920)	CHARACTER	16	SRPGM	ABENDING PROGRAM NAME EX. PGM=IEFBR14
2352	(930)	CHARACTER	24	SRLVL	ASSEMBLY MODULE LEVEL EX. MODLVL=09/10/80UZ19271
2376	(948)	CHARACTER	28	SRSC	COMPONENT/SUBCOMPONENT/ SUBFUNCTION DESCRIPTION EX. SC=IOS-EXCP
2404	(964)	CHARACTER	16	SRRRL	RECOVERY ROUTINE LABEL EX. RRL=ESTAERTN
2420	(974)	SIGNED	4	SROP2END (0)	END OF OPTIONAL STRING 2

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

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ADSSRNSD	OPTIONAL SYMPTOM DATA, NONRETAIN FORMAT
0	(0)	CHARACTER	291	ADSSDAE (0)	DUMP ANALYSIS AND ELIMINATION (DAE) SECTION
0	(0)	CHARACTER	2	DAESSHDR (0)	HEADER TO MVS FORMAT SYMPTOM STRING
0	(0)	CHARACTER	1	DAESSHT	DATA TYPE. 'F0'X FOR PRINTABLE
1	(1)	SIGNED	1	DAESSHL	DATA LENGTH EQUAL TO LENGTH(DAESSMVS)
2	(2)	CHARACTER	150	DAESSMVS	MVS FORMAT SYMPTOM STRING
152	(98)	CHARACTER	2	DAENSHDR (0)	HEADER TO NONSYMPTOM STRING DATA
152	(98)	CHARACTER	1	DAENSHT	DATA TYPE. 'FF'X FOR NONPRINTABLE
153	(99)	BITSTRING	1	DAENSHL	DATA LENGTH EQUAL TO LENGTH(DAEDATA)
154	(9A)	CHARACTER	137	DAEDATA (0)	NONSYMPTOM STRING DATA
154	(9A)	CHARACTER	4	DAELVL	DAE LEVEL WHICH CREATED THIS DATA. (ACRONYM AND VERSION NUMBER FROM ADYDFLM).
158	(9E)	CHARACTER	84	DAECRIT (0)	CRITERIA FOR SYMPTOM STRING TO BE CONSIDERED AS A UNIQUE IDENTIFIER BY DAE
158	(9E)	SIGNED	2	DAEMINC	MINIMUM NUMBER OF SYMPTOMS IN THE SYMPTOM STRING FOR IT TO BE CONSIDERED UNIQUE.

BLSRPRD Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
160	(A0)	SIGNED	2	DAEMINL	MINIMUM LENGTH OF THE SYMPTOM STRING TO BE CONSIDERED UNIQUE.
162	(A2)	CHARACTER	40	DAEREQ	KEYS REQUIRED FOR MATCHING
202	(CA)	CHARACTER	40	DAEOPT	KEYS WHICH ARE OPTIONAL
242	(F2)	CHARACTER	4	DAESSACT (0)	ACTUAL VALUES USED TO DETERMINE IF THE SYMPTOM STRING MAY BE CONSIDERED UNIQUE.
242	(F2)	SIGNED	2	DAESLN	ACTUAL NUMBER OF BYTES OF UNIQUE.
244	(F4)	SIGNED	2	DAESCNT	ACTUAL COUNT OF THE NUMBER OF SYMPTOM STRINGS TO BE CONSIDERED UNIQUE.
246	(F6)	CHARACTER	8	DAESTAT	ADYDSTAT
254	(FE)	CHARACTER	6		RESERVED FOR EXPANSION OF DAESTAT
260	(104)	CHARACTER	21	DAEORIG (0)	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM
260	(104)	CHARACTER	10	DAEERID (0)	ERROR ID
260	(104)	SIGNED	2	DAEERSEQ	ERROR ID SEQUENCE NUMBER
262	(106)	SIGNED	2	DAEERCPU	ERROR ID CPU ID
264	(108)	SIGNED	2	DAEERAS	ERROR ID ADDRESS SPACE ID
266	(10A)	SIGNED	4	DAETIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
270	(10E)		4	DAEDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
274	(112)	CHARACTER	6	DAECPUO	CPUID FROM STIDP INSTRUCTION
280	(118)	BITSTRING	1	DAEFLG	FLAGS
		1...		DAESVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		DAESYSMD	"BIT1" A SYSMDUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		DAETRUM	"BIT2" ORIGINAL MVS SYMPTOM STRING WAS TRUNCATED
		...1		DAERCDA	"BIT3" Entry was recorded because of RECORDALL
281	(119)	CHARACTER	10	DAECURR (0)	IDENTIFICATION OF THE CURRENT PROBLEM
281	(119)	SIGNED	4	DAEDTIM	TIME OF CURRENT PROBLEM (BINARY NUMBER, TENTHS OF A SECOND SINCE MIDNIGHT
285	(11D)		4	DAEDDAT	DATE OF CURRENT PROBLEM (PACKED DECIMAL JULIAN-00YYDDDF)
289	(121)	SIGNED	2	DAEDCNT	NUMBER OF OCCURRENCES
291	(123)	CHARACTER	8	DAESNAMO	SYSNAME - ORIGINAL
299	(12B)	CHARACTER	8	DAESNAML	SYSNAME - LAST OCCUR

Comment

CONSTANT VALUES FOR VARIABLE DATA AREAS

End of Comment

		1111 1111		ADSSTPNP	"X'FF'" DATA TYPE IS NOT PRINTABLE
		1111		ADSSTPPR	"X'F0'" DATA TYPE IS PRINTABLE
299	(12B)	X'F'	0	SRSYMML	"15" SYMPTOM MAXIMUM LENGTH

BLSRPRD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ADSSDAE	0		BIT7	0	1
ADSSRCRS	0		DAECPUO	112	
ADSSRCSS	0		DAECRIT	9E	
ADSSRNSD	0		DAECURR	119	
ADSSTPNP	12B	FF	DAEDATA	9A	
ADSSTPPR	12B	F0	DAEDATE	10E	
BIT0	0	80	DAEDCNT	121	
BIT1	0	40	DAEDDAT	11D	
BIT2	0	20	DAEDTIM	119	
BIT3	0	10	DAEERAS	108	
BIT4	0	8	DAEERCPU	106	
BIT5	0	4	DAEERID	104	
BIT6	0	2	DAEERSEQ	104	

Name	Hex Offset	Hex Value
DAEFLG	118	
DAELVL	9A	
DAEMINC	9E	
DAEMINL	A0	
DAENSHDR	98	
DAENSHL	99	
DAENSHT	98	
DAEOPT	CA	
DAEORIG	104	
DAERCDA	118	10
DAEREQ	A2	
DAESCNT	F4	
DAESLN	F2	
DAESNAML	12B	
DAESNAMO	123	
DAESSACT	F2	
DAESSHDR	0	
DAESSHL	1	
DAESSHT	0	
DAESSMVS	2	
DAESTAT	F6	
DAESVCD	118	80
DAESYSMD	118	40
DAETIME	10A	
DAETRUM	118	20
IATB	0	
IATBCR	50	
IATBCTR	A0	
IATBFRN	0	
IATBGPR	10	
IATBICN	98	
IATBPSW	8	
IATBPSW1	8	
IATBPSW2	C	
IATBTFM	96	
IATBTM1	0	
PRD	0	
PRDAAF	2A	40
PRDAAP	2C	
PRDAR	110	
PRDAREGS	160	
PRDARSA	160	
PRDAS	4	
PRDASC	C	
PRDASH	6	0
PRDAST	4	
PRDASTE	2C	
PRDAS0	4	
PRDAS1	8	
PRDAS2	C	
PRDAS3	10	0
PRDAS9	14	
PRDBFP	24	10
PRDBFPH	24	4
PRDBFPV	24	8
PRDBLSDP	24	5
PRDCID	178	
PRDCLKCP	120	
PRDCML	3C	
PRDCOMM	2A	80
PRDCPU	50	
PRDCPURC	40	
PRDCPUST	68	
PRDCR	C8	
PRDCRSA	200	

Name	Hex Offset	Hex Value
PRDCSA	298	
PRDCTL	200	
PRDCVT	0	
PRDC64S	218	
PRDDATA	40	
PRDDIDCO	64	
PRDDSNAM	10	
PRDDSPB	BC	
PRDDSPE	C4	
PRDDUMPT	24	
PRDEPVT	29C	
PRDERRID	6	
PRDESAME	24	1
PRDFLAGS	24	
PRDFLG1	4	
PRDFLPT	1A0	
PRDFLPTX	2C0	
PRDFPCR	1D0	
PRDFPCTL	250	
PRDFPR	150	
PRDFPRSA	1A0	
PRDFPRSX	2C0	
PRDGPR	88	
PRDGPRSA	1C0	
PRDGPRVL	24	20
PRDGREGS	1C0	
PRDG64H	1D8	
PRDHASID	4C	
PRDHJOBN	2A0	
PRDHVHP	2B0	
PRDHVSS	2A8	
PRDID	0	
PRDIDC	0	C4D9
PRDIDCV	0	C4D9
PRDIDV	2	F1
PRDIDV31	2	F1
PRDIDV64	2	F2
PRDINPUT	0	
PRDINPUT	0	
PRDINPUT	0	
PRDINPUT	0	
PRDINPUT	0	
PRDINPUTLENGTH		
	0	1040
PRDINTKD	0	
PRDINTKN	0	
PRDINTKO	1AA	
PRDKEY	24	
PRDKEYA	24	F0
PRDKEYC	24	2
PRDKEYF	24	8
PRDKEYQ	24	FF
PRDKEYR	24	4
PRDKEYU	24	6
PRDLAD	14	
PRDLEN	3	
PRDLGPRF	4	20
PRDMDF	14C	
PRDME	4	80
PRDMGPRF	4	10
PRDMODNM	40	
PRDOFSET	168	
PRDPASID	48	
PRDPCPU@	56	
PRDPMODL	54	

Name	Hex Offset	Hex Value
PRDPREF	0	
PRDPRODM	108	
PRDPRODN	F4	
PRDPRODR	106	
PRDPRODV	104	
PRDPSA	148	
PRDPSERL	51	
PRDPSW	108	
PRDPSW2	140	
PRDPVRSN	50	
PRDREGS	68	
PRDSADDR	50	
PRDSADP	24	1
PRDSASID	4A	
PRDSDBLK	F0	
PRDSDFWD	164	
PRDSDMPL	16A	
PRDSDMPO	168	
PRDSDOPL	5E	
PRDSDOPO	5C	
PRDSDOPS	0	
PRDSDPL	5A	
PRDSDPM	0	
PRDSDPO	58	
PRDSDRSN	E0	
PRDSDSM	0	
PRDSDWA	0	
PRDSDWAL	176	
PRDSDWAO	174	
PRDSEQ	18	0
PRDSIGPF	24	40
PRDSIGPS	150	
PRDSIGP2	154	
PRDSIZ	0	40
PRDSLAR	50	
PRDSLC64	110	
PRDSLGPR	10	
PRDSLG6H	D0	
PRDSLIP	0	
PRDSLIPL	16E	
PRDSLIPO	16C	
PRDSLPC3	90	
PRDSLPC4	98	
PRDSLPDP	24	4
PRDSLPSW	0	
PRDSMABD	0	
PRDSMAR	6C	
PRDSMC64	12C	
PRDSMDP	24	3
PRDSMGPR	28	
PRDSMG6H	EC	
PRDSMLMA	14	
PRDSMLMN	C	
PRDSMLMO	18	
PRDSMPDA	1C	
PRDSMPSW	4	
PRDSMRSN	68	
PRDSNAME	CC	
PRDSR	840	
PRDSSINV	24	80
PRDSTATS	40	
PRDSTOKN	30	
PRDSTST	118	
PRDSTSTX	240	
PRDSTST1	118	
PRDSTST2	140	
PRDSTYP	2A	
PRDSVCDP	24	2
PRDSYSMD	0	
PRDSYSML	172	
PRDSYSMO	170	
PRDTCB	60	
PRDTIMER	118	
PRDTITLE	58	
PRDTODVL	48	
PRDTTCH	54	
PRDTYPD	24	0
PRDTYPS	2A	
PRDVGPRF	4	40
PRDWASID	4E	
PRDXADDR	114	
PRDXM	3C	
PRDXMPSW	40	
PRDZARCH	24	1
PRD64	0	
PRD64AAF	2A	40
PRD64AAP	2C	
PRD64AS	4	
PRD64ASC	C	
PRD64ASH	6	0
PRD64AST	4	
PRD64AS0	4	
PRD64AS1	8	
PRD64AS2	C	
PRD64AS3	10	0
PRD64AS9	14	
PRD64BFP	24	10
PRD64BFPH	24	4
PRD64BFPV	24	8
PRD64BLSDP	24	5
PRD64COMM	2A	80
PRD64DUMPT	24	
PRD64ESAME	24	1
PRD64FLAGS	24	
PRD64GPRVL	24	20
PRD64ID	0	
PRD64IDC	0	C4D9
PRD64IDCV	0	C4D9
PRD64IDV	2	F2
PRD64IDV31	2	F1
PRD64IDV64	2	F2
PRD64KEY	24	
PRD64KEYA	24	F0
PRD64KEYC	24	2
PRD64KEYF	24	8
PRD64KEYQ	24	FF
PRD64KEYR	24	4
PRD64KEYU	24	6
PRD64LAD	14	0
PRD64LEN	3	
PRD64PHASE	23	
PRD64PHASESADMPA	23	1
PRD64PHASESADMPB	23	2
PRD64PHASESADMPC	23	3
PRD64PHASE0	23	0
PRD64SADP	24	1
PRD64SEQ	1C	0

Name	Hex Offset	Hex Value
PRD64SIGPF	24	40
PRD64SIZ	0	40
PRD64SLPDP	24	4
PRD64SMDP	24	3
PRD64SSINV	24	80
PRD64STYP	2A	
PRD64SVCDP	24	2
PRD64TYPD	24	0
PRD64TYPS	2A	
PRD64ZARCH	24	1
PRD64999	40	
PRD999	40	
PRXARCID	350	
PRXAREGS	380	
PRXARSA	380	
PRXCLKCP	368	
PRXCRSA	3C0	
PRXCTL	3C0	
PRXESAME	350	1
PRXFLPTR	240	
PRXFPCTL	35C	
PRXFPRSA	240	
PRXGPRSA	2C0	
PRXGREGS	2C0	
PRXPSA	358	
PRXPSW	340	
PRXSIGPS	354	
PRXSTATS	40	
PRXSTST	240	
PRXSTST1	240	
PRXSTST2	340	
PRXTIMER	360	
RETANPSS	0	
RETANSSS	0	
SR	840	
SRABD	8B0	
SRADDRCS	898	
SRASID	89C	
SRBASEND	920	
SRBASIC	8B0	
SRCID	8C8	
SRCSECT	8E8	
SRDTYPE	878	
SRECID	840	E2D9
SREGPSW	908	
SRFRR	8F8	
SRHDEND	8B0	
SRID	86A	
SRLENCS	894	
SRLM	8D8	
SRLVL	930	
SROFFCS	896	
SROFF1	88E	
SROFF2	892	
SROLEN1	88C	
SROLEN2	890	
SROPT1	920	
SROPT2	920	
SROP1END	920	
SROP2END	974	
SRPGM	920	
SRRC	8B8	
SRRRL	964	
SRSC	948	
SRSLEN	888	
SRSOFF	88A	
SRSYMML	12B	F
ZZZASTA	4	C140
ZZZASTBL	4	C2D3
ZZZASTBS	4	C2E2
ZZZASTBT	4	C2E3
ZZZASTC	4	C340
ZZZASTCE	4	C3C5
ZZZASTCR	4	C3D9
ZZZASTCT	4	C3E3
ZZZASTCV	4	C3E5
ZZZASTDS	4	C4E2
ZZZASTH	4	C840
ZZZASTLI	4	D3C9
ZZZASTNO	4	4040
ZZZASTSB	4	E2C2
ZZZASTSC	4	E2C3
ZZZASTSD	4	E2C4
ZZZASTSS	4	E2E2
ZZZASTSV	4	E2E5

BLSRPWHS Programming Interface information

Programming Interface information

BLSRPWHS

End of Programming Interface information

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BLSRPWHS Heading Information

Common Name: IPCS Symbol Table Record
Macro ID: BLSRPWHS
DSECT Name: Selected by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: PWHS
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: No
Auxiliary Storage: Yes
Subpool: Any that may be altered by key 8 programs
Key: 8
Data Space: No
Residency: LOC(ANY,ANY)
Size: ABITS=31: 222 bytes
ABITS=64: 240 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a location of interest as input to the IPCS Where service and a block that contains it on successful return from that service.
Serialization: None
Function: Describe the input to and the output from the WHERE service.
OPERATION = Create a mapping for BLSRPWHS

BLSRPWHS Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PW31	, WHERE service parameter list
0	(0)	DBL WORD	8	PW31000 (0)	Begin BLSRPWHS #MD99139

Comment

A WHERE service parameter list defines the input to and the output from the WHERE service.

End of Comment

0	(0)	CHARACTER	5	PW31ID (0)	Control block identifier
0	(0)	CHARACTER	4	PW31IDC	Control block acronym

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	CHARACTER	1	PW31IDL	Control block level indicator
4	(4)	X'F1'	0	PW31IDL31	"C'1'" ABITS=31
4	(4)	X'F2'	0	PW31IDL64	"C'2'" ABITS=64
5	(5)	BITSTRING	3	PW31PFLG (0)	Processing flags
5	(5)	BITSTRING	1	PW31PFL1	First byte of flags
		1...		PW31PUT	"BIT0" Generate output using the print service
		.1..		PW31RETN	"BIT1" Return nonstandard module name
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	PW31MODN	Name of module requesting the service

Comment

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

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		- Code SC indicates that the file contains an MVS high-speed dump and that component data is being referenced (COMPDATA) - Code SD indicates that the file contains an MVS high-speed dump and that the SDUMP summary dump records are being referenced (DOMAIN(SUMDUMP)) - Code SS indicates that the file contains an MVS high-speed dump and that the portion of a data space represented in summary dump records is being referenced (ASID DSPNAME SUMDUMP) - Code SV indicates that the file contains an MVS high-speed dump and that the portion of one MVS address space represented in summary dump records is being referenced (ASID SUMDUMP) (2) A binary integer whose interpretation depends on the preceding code: - For code BL this integer should be the relative block number - For code BS this integer should be the relative byte address group number - For code BT this integer should be the relative track address - For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
			End of Comment		
16	(10)	SIGNED	4	(0)	Align on word boundary
16	(10)	CHARACTER	16	PW31AS (0)	IPCS address space descriptor
16	(10)	CHARACTER	1	PW31AS0 (0)	Begin BLSRDATS #MD03009
16	(10)	CHARACTER	2	PW31AST (0)	Address space type code
16	(10)	ADDRESS	2		Address space type code
16	(10)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
16	(10)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
16	(10)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
16	(10)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
16	(10)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
16	(10)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
16	(10)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
16	(10)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
16	(10)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
16	(10)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
16	(10)	X'C840'	0	ZZZASTH	"C'H '" HEADER
16	(10)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
16	(10)	X'4040'	0	ZZZASTNO	"C' '" No address space type code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
16	(10)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
16	(10)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
16	(10)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
16	(10)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
16	(10)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
18	(12)	BITSTRING	2	PW31ASH	Reserved
20	(14)	SIGNED	4	PW31AS1 (0)	Integer 1
20	(14)	SIGNED	4		Integer 1
24	(18)	CHARACTER	8	PW31ASC (0)	Second qualifier
24	(18)	SIGNED	4	PW31AS2 (0)	Integer 2
24	(18)	SIGNED	4		Integer 2
28	(1C)	BITSTRING	4	PW31AS3	Reserved
32	(20)	CHARACTER	1	PW31AS9 (0)	End BLSRDATS #MD03009
32	(20)	ADDRESS	4	PW31LAD	WHERE address
36	(24)	BITSTRING	20		Reserved
56	(38)	CHARACTER	120	PW31OUTP (0)	WHERE output area
56	(38)	ADDRESS	4	PW31OLAD	Located object address

Comment

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

End of Comment

60	(3C)	SIGNED	4	(0)	Align structure on boundary
60	(3C)	CHARACTER	60	PW31OD (0)	IPCS attribute descriptor
60	(3C)	CHARACTER	1	PW31OD00 (0)	Begin BLSRDATC #MD03007
60	(3C)	ADDRESS	4	PW31ODOF	Offset in bytes
64	(40)	ADDRESS	4	PW31ODLE	Length in bytes
68	(44)	SIGNED	1	PW31ODOB	
69	(45)	SIGNED	1	PW31ODLB	
70	(46)	SIGNED	2	(0)	Align structure on boundary
70	(46)	CHARACTER	34	PW31ODT (0)	IPCS data type descriptor
70	(46)	CHARACTER	1	PW31ODT0 (0)	Begin BLSRDATT #MD04356
70	(46)	CHARACTER	1	PW31ODTY (0)	Data type code
70	(46)	ADDRESS	1		Data type code

Comment

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

End of Comment

70	(46)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
70	(46)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
70	(46)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
70	(46)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
70	(46)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
70	(46)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
70	(46)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
70	(46)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
70	(46)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
70	(46)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
70	(46)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
70	(46)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
71	(47)	BITSTRING	1		
72	(48)	CHARACTER	31	PW31ODTD	Data name

BLSRPWHS Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
103	(67)	CHARACTER	1	PW31ODTE	reserved
104	(68)	CHARACTER	1	PW31ODT9 (0)	End BLSRDATT #MD04356
104	(68)	SIGNED	4	PW31ODIM	Array entry count
108	(6C)	SIGNED	4	PW31ODIL	Subscript of initial array entry
112	(70)	BITSTRING	4	PW31ODF	Flags
		1...		PW31ODFA	"BIT0" Array
116	(74)	BITSTRING	4		
120	(78)	CHARACTER	1	PW31OD99 (0)	End BLSRDATC #MD03007
120	(78)	SIGNED	4	PW31OOFF	Offset into located object
124	(7C)	SIGNED	2	PW31OSAL	Length of system area name
126	(7E)	CHARACTER	31	PW31OSAN	System area name (e.g. PLPA)
157	(9D)	CHARACTER	1		Reserved
158	(9E)	SIGNED	2	PW31ONOL	Length of NAME+OFFSET string
160	(A0)	CHARACTER	42	PW31ONMO	NAME+OFFSET string
202	(CA)	BITSTRING	2		Reserved
204	(CC)	ADDRESS	4	PW31OMDP	Address of nonstandard module name data or 0
208	(D0)	BITSTRING	14		Reserved
222	(DE)	CHARACTER	1	PW31999 (0)	End BLSRPWHS #MD99139

BLSRPWHS Cross Reference

Name	**Hex Offset**	**Hex Value**	**Name**	**Hex Offset**	**Hex Value**
BIT0	0	80	PW31OD99	78	
BIT1	0	40	PW31OLAD	38	
BIT2	0	20	PW31OMDP	CC	
BIT3	0	10	PW31ONMO	A0	40404040
BIT4	0	8	PW31ONOL	9E	0
BIT5	0	4	PW31OOFF	78	0
BIT6	0	2	PW31OSAL	7C	0
BIT7	0	1	PW31OSAN	7E	40404040
PW31	0		PW31OUTP	38	
PW31AS	10		PW31PFLG	5	
PW31ASC	18		PW31PFL1	5	0
PW31ASH	12	0	PW31PUT	5	80
PW31AST	10		PW31RETN	5	40
PW31AS0	10		PW31000	0	
PW31AS1	14		PW31999	DE	
PW31AS2	18		ZZZASTA	10	C140
PW31AS3	1C	0	ZZZASTBL	10	C2D3
PW31AS9	20		ZZZASTBS	10	C2E2
PW31ID	0		ZZZASTBT	10	C2E3
PW31IDC	0	D7E6C8E2	ZZZASTC	10	C340
PW31IDL	4	F1	ZZZASTCE	10	C3C5
PW31IDL31	4	F1	ZZZASTCR	10	C3D9
PW31IDL64	4	F2	ZZZASTCT	10	C3E3
PW31LAD	20		ZZZASTCV	10	C3E5
PW31MODN	8	40404040	ZZZASTDS	10	C4E2
PW31OD	3C		ZZZASTH	10	C840
PW31ODF	70	0	ZZZASTLI	10	D3C9
PW31ODFA	70	80	ZZZASTNO	10	4040
PW31ODIL	6C	0	ZZZASTSB	10	E2C2
PW31ODIM	68	0	ZZZASTSC	10	E2C3
PW31ODLB	45	0	ZZZASTSD	10	E2C4
PW31ODLE	40		ZZZASTSS	10	E2E2
PW31ODOB	44	0	ZZZASTSV	10	E2E5
PW31ODOF	3C		ZZZDTYA	46	C1
PW31ODT	46		ZZZDTYB	46	C2
PW31ODTD	48	40404040	ZZZDTYC	46	C3
PW31ODTE	67	40	ZZZDTYE	46	C5
PW31ODTY	46		ZZZDTYF	46	C6
PW31ODT0	46		ZZZDTYI	46	C9
PW31ODT9	68		ZZZDTYL	46	D3
PW31OD00	3C		ZZZDTYM	46	D4

Name	Hex Offset	Hex Value
ZZZDTYP	46	D7
ZZZDTYU	46	E4
ZZZDTYY	46	E8
ZZZDTYZ	46	E9

BLSRPW64 Programming Interface information

Programming Interface information

BLSRPW64

End of Programming Interface information

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BLSRPW64 Heading Information

Common Name: IPCS Symbol Table Record
Macro ID: BLSRPWHS
DSECT Name: Selected by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: PWHS
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: No
Auxiliary Storage: Yes
Subpool: Any that may be altered by key 8 programs
Key: 8
Data Space: No
Residency: LOC(ANY,ANY)
Size: ABITS=31: 222 bytes
ABITS=64: 240 bytes
Created by: IPCS subcommands concerned with debugging
Pointed to by: Parameter lists used by IPCS programs to describe a location of interest as input to the IPCS Where service and a block that contains it on successful return from that service.
Serialization: None
Function: Describe the input to and the output from the WHERE service.
OPERATION = Create a mapping for BLSRPWHS

BLSRPW64 Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PW64	, WHERE service parameter list
0	(0)	DBL WORD	8	PW64000 (0)	Begin BLSRPWHS #MD99139
				Comment	

					A WHERE service parameter list defines the input to and the output from the WHERE service.

				End of Comment	
0	(0)	CHARACTER	5	PW64ID (0)	Control block identifier
0	(0)	CHARACTER	4	PW64IDC	Control block acronym
4	(4)	CHARACTER	1	PW64IDL	Control block level indicator
4	(4)	X'F1'	0	PW64IDL31	"C'1'" ABITS=31
4	(4)	X'F2'	0	PW64IDL64	"C'2'" ABITS=64
5	(5)	BITSTRING	3	PW64PFLG (0)	Processing flags
5	(5)	BITSTRING	1	PW64PFL1	First byte of flags
		1...		PW64PUT	"BIT0" Generate output using the print service
		.1..		PW64RETN	"BIT1" Return nonstandard module name
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	PW64MODN	Name of module requesting the service

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

Comment

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

referenced data space.
- For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available.
- For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'.
- For other codes this integer has no meaning and should be set to X'FFFFFFFF'.

(3) A doubleword whose interpretation depends on the preceding code:
- For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases.
- For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes.
- For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space.
- For code SC the doubleword is interpreted as a component identifier.
- For other codes this doubleword has no meaning and should be set to zero.

End of Comment

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	SIGNED	4	(0)	Align on word boundary
16	(10)	CHARACTER	16	PW64AS (0)	IPCS address space descriptor
16	(10)	CHARACTER	1	PW64AS0 (0)	Begin BLSRDATS #MD03009
16	(10)	CHARACTER	2	PW64AST (0)	Address space type code
16	(10)	ADDRESS	2		Address space type code
16	(10)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
16	(10)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
16	(10)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
16	(10)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
16	(10)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
16	(10)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
16	(10)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
16	(10)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
16	(10)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
16	(10)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
16	(10)	X'C840'	0	ZZZASTH	"C'H '" HEADER
16	(10)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
16	(10)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
16	(10)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
16	(10)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
16	(10)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
16	(10)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
16	(10)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
18	(12)	BITSTRING	2	PW64ASH	Reserved
20	(14)	SIGNED	4	PW64AS1 (0)	Integer 1
20	(14)	SIGNED	4		Integer 1
24	(18)	CHARACTER	8	PW64ASC (0)	Second qualifier
24	(18)	SIGNED	4	PW64AS2 (0)	Integer 2
24	(18)	SIGNED	4		Integer 2
28	(1C)	BITSTRING	4	PW64AS3	Reserved
32	(20)	CHARACTER	1	PW64AS9 (0)	End BLSRDATS #MD03009
32	(20)	BITSTRING	8	PW64LAD	WHERE address
40	(28)	BITSTRING	12		Reserved
52	(34)	CHARACTER	120	PW64OUTP (0)	WHERE output area
52	(34)	BITSTRING	8	PW64OLAD	Located object address

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

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

				End of Comment	
60	(3C)	SIGNED	4	(0)	Align structure on boundary
60	(3C)	CHARACTER	76	PW64OD (0)	IPCS attribute descriptor
60	(3C)	CHARACTER	1	PW64OD00 (0)	Begin BLSRDATC #MD03007
60	(3C)	SIGNED	8	PW64ODOF (0)	Offset in bytes
60	(3C)	ADDRESS	8		Offset in bytes
68	(44)	ADDRESS	8	PW64ODLE	Length in bytes
76	(4C)	SIGNED	1	PW64ODOB	
77	(4D)	SIGNED	1	PW64ODLB	
78	(4E)	SIGNED	2	(0)	Align structure on boundary
78	(4E)	CHARACTER	34	PW64ODT (0)	IPCS data type descriptor
78	(4E)	CHARACTER	1	PW64ODT0 (0)	Begin BLSRDATT #MD04356
78	(4E)	CHARACTER	1	PW64ODTY (0)	Data type code
78	(4E)	ADDRESS	1		Data type code
				Comment	
				------- The following data type codes are supported by IPCS -----	
				End of Comment	
78	(4E)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
78	(4E)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
78	(4E)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
78	(4E)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
78	(4E)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
78	(4E)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
78	(4E)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
78	(4E)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
78	(4E)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
78	(4E)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
78	(4E)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
78	(4E)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
79	(4F)	BITSTRING	1		
80	(50)	CHARACTER	31	PW64ODTD	Data name
111	(6F)	CHARACTER	1	PW64ODTE	reserved
112	(70)	CHARACTER	1	PW64ODT9 (0)	End BLSRDATT #MD04356
112	(70)	BITSTRING	8	PW64ODIM	Array entry count
120	(78)	BITSTRING	8	PW64ODIL	Subscript of initial array entry
128	(80)	BITSTRING	4	PW64ODF	Flags
		1...		PW64ODFA	"BIT0" Array
132	(84)	BITSTRING	4		
136	(88)	CHARACTER	1	PW64OD99 (0)	End BLSRDATC #MD03007
136	(88)	BITSTRING	8	PW64OOFF	Offset into located object
144	(90)	SIGNED	2	PW64OSAL	Length of system area name
146	(92)	CHARACTER	31	PW64OSAN	System area name (e.g. PLPA)
177	(B1)	CHARACTER	1		Reserved
178	(B2)	SIGNED	2	PW64ONOL	Length of NAME+OFFSET string
180	(B4)	CHARACTER	42	PW64ONMO	NAME+OFFSET string
222	(DE)	BITSTRING	2		Reserved
224	(E0)	ADDRESS	4	PW64OMDP	Address of nonstandard module name data or 0

BLSRPW64 Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
228	(E4)	BITSTRING	12		Reserved
240	(F0)	CHARACTER	1	PW64999 (0)	End BLSRPWHS #MD99139

BLSRPW64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PW64	0		ZZZASTDS	10	C4E2
PW64AS	10		ZZZASTH	10	C840
PW64ASC	18		ZZZASTLI	10	D3C9
PW64ASH	12	0	ZZZASTNO	10	4040
PW64AST	10		ZZZASTSB	10	E2C2
PW64AS0	10		ZZZASTSC	10	E2C3
PW64AS1	14		ZZZASTSD	10	E2C4
PW64AS2	18		ZZZASTSS	10	E2E2
PW64AS3	1C	0	ZZZASTSV	10	E2E5
PW64AS9	20		ZZZDTYA	4E	C1
PW64ID	0		ZZZDTYB	4E	C2
PW64IDC	0	D7E6C8E2	ZZZDTYC	4E	C3
PW64IDL	4	F2	ZZZDTYE	4E	C5
PW64IDL31	4	F1	ZZZDTYF	4E	C6
PW64IDL64	4	F2	ZZZDTYI	4E	C9
PW64LAD	20	0	ZZZDTYL	4E	D3
PW64MODN	8	40404040	ZZZDTYM	4E	D4
PW64OD	3C		ZZZDTYP	4E	D7
PW64ODF	80	0	ZZZDTYU	4E	E4
PW64ODFA	80	80	ZZZDTYY	4E	E8
PW64ODIL	78	0	ZZZDTYZ	4E	E9
PW64ODIM	70	0			
PW64ODLB	4D	0			
PW64ODLE	44				
PW64ODOB	4C	0			
PW64ODOF	3C				
PW64ODT	4E				
PW64ODTD	50	40404040			
PW64ODTE	6F	40			
PW64ODTY	4E				
PW64ODT0	4E				
PW64ODT9	70				
PW64OD00	3C				
PW64OD99	88				
PW64OLAD	34	0			
PW64OMDP	E0				
PW64ONMO	B4	40404040			
PW64ONOL	B2	0			
PW64OOFF	88	0			
PW64OSAL	90	0			
PW64OSAN	92	40404040			
PW64OUTP	34				
PW64PFLG	5				
PW64PFL1	5	0			
PW64PUT	5	80			
PW64RETN	5	40			
PW64000	0				
PW64999	F0				
ZZZASTA	10	C140			
ZZZASTBL	10	C2D3			
ZZZASTBS	10	C2E2			
ZZZASTBT	10	C2E3			
ZZZASTC	10	C340			
ZZZASTCE	10	C3C5			
ZZZASTCR	10	C3D9			
ZZZASTCT	10	C3E3			
ZZZASTCV	10	C3E5			

BLSRSASY Programming Interface information

Programming Interface information

BLSRSASY

End of Programming Interface information

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BLSRSASY Heading Information

Common Name: IPCS Storage Address Record
Macro ID: BLSRSASY
DSECT Name: defined by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: SA
Offset: 0
Length: 2
Storage Attributes: Main Storage: Pageable
Virtual Storage: Yes
Auxiliary Storage: N/A
Subpool: N/A
Key: 8
Data Space: No
Residency: LOC(ANY)
Size: ABITS(31) - 256-3072 bytes
ABITS(64) - 192-3008 bytes
Created by: Invokers of the IPCS storage map service
Pointed to by: XMSPSAR (macro BLSRXMSP)
Serialization: None
Function: Define the structure of a dump directory storage address (SA) record.

BLSRSASY Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SA31	, IPCS Storage Address Record
0	(0)	CHARACTER	1	SA31000 (0)	Begin BLSRSASY #MD99125
0	(0)	CHARACTER	2	SA31RID	Record type==>SA
2	(2)	BITSTRING	6		

Comment

A Storage Address record defines one storage map record, associating
it with a contiguous block of storage in an address space.

End of Comment

8	(8)	SIGNED	4	SA31RDX	Data set index

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

Comment

An IPCS address space is specified by three values:

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
12	(C)	SIGNED	4	(0)	Align on word boundary
12	(C)	CHARACTER	16	SA31AS (0)	IPCS address space descriptor
12	(C)	CHARACTER	1	SA31AS0 (0)	Begin BLSRDATS #MD03009
12	(C)	CHARACTER	2	SA31AST (0)	Address space type code
12	(C)	ADDRESS	2		Address space type code
12	(C)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
12	(C)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
12	(C)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
12	(C)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
12	(C)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
12	(C)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
12	(C)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
12	(C)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
12	(C)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
12	(C)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
12	(C)	X'C840'	0	ZZZASTH	"C'H '" HEADER
12	(C)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
12	(C)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
12	(C)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
12	(C)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
12	(C)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
12	(C)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
12	(C)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
14	(E)	BITSTRING	2	SA31ASH	Reserved
16	(10)	SIGNED	4	SA31AS1 (0)	Integer 1
16	(10)	SIGNED	4		Integer 1
20	(14)	CHARACTER	8	SA31ASC (0)	Second qualifier
20	(14)	SIGNED	4	SA31AS2 (0)	Integer 2
20	(14)	SIGNED	4		Integer 2
24	(18)	BITSTRING	4	SA31AS3	Reserved
28	(1C)	CHARACTER	1	SA31AS9 (0)	End BLSRDATS #MD03009
28	(1C)	ADDRESS	4	SA31LAD	Logical address
32	(20)	SIGNED	2	(0)	Align structure on boundary
32	(20)	CHARACTER	34	SA31DT (0)	IPCS data type descriptor
32	(20)	CHARACTER	1	SA31DT0 (0)	Begin BLSRDATT #MD04356
32	(20)	CHARACTER	1	SA31DTY (0)	Data type code
32	(20)	ADDRESS	1		Data type code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
------- The following data type codes are supported by IPCS -----					
			End of Comment		
32	(20)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
32	(20)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
32	(20)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
32	(20)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
32	(20)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
32	(20)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
32	(20)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
32	(20)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
32	(20)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
32	(20)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
32	(20)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
32	(20)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
33	(21)	BITSTRING	1		
34	(22)	CHARACTER	31	SA31DTD	Data name
65	(41)	CHARACTER	1	SA31DTE	reserved
66	(42)	CHARACTER	1	SA31DT9 (0)	End BLSRDATT #MD04356
66	(42)	CHARACTER	1	SA31ELK (0)	End of logical key
66	(42)	X'42'	0	SA31LKL	"SA31ELK-SA31000" Logical key length
66	(42)	BITSTRING	2		Reserved
			Comment		
---------- IPCS records the following properties for areas of storage: - The offset between an addressed byte and the physical origin of this area. - The physical length of this area. - A data type. - An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry. ----------					
			End of Comment		
68	(44)	SIGNED	4	(0)	Align structure on boundary
68	(44)	CHARACTER	60	SA31F (0)	IPCS attribute descriptor
68	(44)	CHARACTER	1	SA31F00 (0)	Begin BLSRDATC #MD03007
68	(44)	ADDRESS	4	SA31FOF	Offset in bytes
72	(48)	ADDRESS	4	SA31FLE	Length in bytes
76	(4C)	SIGNED	1	SA31FOB	
77	(4D)	SIGNED	1	SA31FLB	
78	(4E)	SIGNED	2	(0)	Align structure on boundary
78	(4E)	CHARACTER	34	SA31FT (0)	IPCS data type descriptor
78	(4E)	CHARACTER	1	SA31FT0 (0)	Begin BLSRDATT #MD04356
78	(4E)	CHARACTER	1	SA31FTY (0)	Data type code
78	(4E)	ADDRESS	1		Data type code
79	(4F)	BITSTRING	1		
80	(50)	CHARACTER	31	SA31FTD	Data name
111	(6F)	CHARACTER	1	SA31FTE	reserved
112	(70)	CHARACTER	1	SA31FT9 (0)	End BLSRDATT #MD04356
112	(70)	SIGNED	4	SA31FIM	Array entry count
116	(74)	SIGNED	4	SA31FIL	Subscript of initial array entry
120	(78)	BITSTRING	4	SA31FF	Flags
		1...		SA31FFA	"BIT0" Array
124	(7C)	BITSTRING	4		
128	(80)	CHARACTER	1	SA31F99 (0)	End BLSRDATC #MD03007

BLSRSASY Cross Reference

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		--- Scan results--Flags, return codes, and processing summary ---			
		End of Comment			
128	(80)	BITSTRING	8	SA31SF (0)	Scan Flags
128	(80)	BITSTRING	1		
		1...		SA31SF1	"BIT0" Scan started
		.1..		SA31SF9	"BIT1" Scan completed
		..1.		SA31SFI	"BIT2" Initial analysis error
		...1		SA31SFS	"BIT3" Storage required for diagnostic(s)
		.... 1...		SA31SFA	"BIT4" Storage attributes unknown
		.... .1..		SA31SFM	"BIT5" Use model - no scan exit
		.... ..1.		SA31SFF	"BIT6" Find routine exists
		1		SA31SFG	"BIT7" Scan exit accepts ABITS(64) API
129	(81)	BITSTRING	7		Reserved
136	(88)	BITSTRING	8	SA31GMT	TOD clock value when scan was last performed
144	(90)	CHARACTER	8	SA31PGV	Scan program name or model name
152	(98)	SIGNED	1	SA31SRC	Scan result code--0=>Informational, 4=>Warning, 8=>Error, 12=>Serious
153	(99)	BITSTRING	16		Reserved
169	(A9)	ADDRESS	1	SA31RST	BLSRSASY subtype
169	(A9)	X'0'	0	SA31RST31	"0" BLSRSASY subtype - ABITS=31
169	(A9)	X'1'	0	SA31RST64	"1" BLSRSASY subtype - ABITS=64
170	(AA)	BITSTRING	84		Reserved
		Comment			
		--- Scan processing details--Length(0:2816) characters--structured by each scan exit to match its unique requirements ---			
		End of Comment			
254	(FE)	CHARACTER	1	SA31C (0)	Scan routine data
254	(FE)	SIGNED	2	SA31CL	Length of remark text
254	(FE)	X'0'	0	SA31LTL	"0" Minimum remark text length
254	(FE)	X'B00'	0	SA31HTL	"2816" Maximum remark text length
256	(100)	BITSTRING	1	SA31CT (0)	Scan routine data
3072	(C00)	CHARACTER	1	SA31999 (0)	End BLSRSASY #MD99125
3072	(C00)	X'100'	0	SA31LRL	"SA31CT-SA31000" Minimum record length
3072	(C00)	X'C00'	0	SA31HRL	"SA31999-SA31000" Maximum record length

BLSRSASY Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	SA31AS1	10	
BIT1	0	40	SA31AS2	14	
BIT2	0	20	SA31AS3	18	0
BIT3	0	10	SA31AS9	1C	
BIT4	0	8	SA31C	FE	
BIT5	0	4	SA31CL	FE	0
BIT6	0	2	SA31CT	100	0
BIT7	0	1	SA31DT	20	
SA31	0		SA31DTD	22	40404040
SA31AS	C		SA31DTE	41	40
SA31ASC	14		SA31DTY	20	
SA31ASH	E	0	SA31DT0	20	
SA31AST	C		SA31DT9	42	
SA31AS0	C		SA31ELK	42	

Name	Hex Offset	Hex Value
SA31F	44	
SA31FF	78	0
SA31FFA	78	80
SA31FIL	74	0
SA31FIM	70	0
SA31FLB	4D	0
SA31FLE	48	
SA31FOB	4C	0
SA31FOF	44	
SA31FT	4E	
SA31FTD	50	40404040
SA31FTE	6F	40
SA31FTY	4E	
SA31FT0	4E	
SA31FT9	70	
SA31F00	44	
SA31F99	80	
SA31GMT	88	
SA31HRL	C00	C00
SA31HTL	FE	B00
SA31LAD	1C	
SA31LKL	42	42
SA31LRL	C00	100
SA31LTL	FE	0
SA31PGV	90	40404040
SA31RDX	8	0
SA31RID	0	E2C1
SA31RST	A9	
SA31RST31	A9	0
SA31RST64	A9	1
SA31SF	80	
SA31SFA	80	8
SA31SFF	80	2
SA31SFG	80	1
SA31SFI	80	20
SA31SFM	80	4
SA31SFS	80	10
SA31SF1	80	80
SA31SF9	80	40
SA31SRC	98	0
SA31000	0	
SA31999	C00	
ZZZASTA	C	C140
ZZZASTBL	C	C2D3
ZZZASTBS	C	C2E2
ZZZASTBT	C	C2E3
ZZZASTC	C	C340
ZZZASTCE	C	C3C5
ZZZASTCR	C	C3D9
ZZZASTCT	C	C3E3
ZZZASTCV	C	C3E5
ZZZASTDS	C	C4E2
ZZZASTH	C	C840
ZZZASTLI	C	D3C9
ZZZASTNO	C	4040
ZZZASTSB	C	E2C2
ZZZASTSC	C	E2C3
ZZZASTSD	C	E2C4
ZZZASTSS	C	E2E2
ZZZASTSV	C	E2E5
ZZZDTYA	20	C1
ZZZDTYB	20	C2
ZZZDTYC	20	C3
ZZZDTYE	20	C5
ZZZDTYF	20	C6
ZZZDTYI	20	C9
ZZZDTYL	20	D3
ZZZDTYM	20	D4
ZZZDTYP	20	D7
ZZZDTYU	20	E4
ZZZDTYY	20	E8
ZZZDTYZ	20	E9

BLSRSA64 Programming Interface information

Programming Interface information

BLSRSA64

End of Programming Interface information

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BLSRSA64 Heading Information

Common Name: IPCS Storage Address Record
Macro ID: BLSRSASY
DSECT Name: defined by invoker
Owning Component: IPCS (SC132)
Eye-Catcher ID: SA
Offset: 0
Length: 2
Storage Attributes: Main Storage: Pageable
Virtual Storage: Yes
Auxiliary Storage: N/A
Subpool: N/A
Key: 8
Data Space: No
Residency: LOC(ANY)
Size: ABITS(31) - 256-3072 bytes
ABITS(64) - 192-3008 bytes
Created by: Invokers of the IPCS storage map service
Pointed to by: XMSPSAR (macro BLSRXMSP)
Serialization: None
Function: Define the structure of a dump directory storage address (SA) record.

BLSRSA64 Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SA64	, IPCS Storage Address Record
0	(0)	CHARACTER	1	SA64000 (0)	Begin BLSRSASY #MD99125
0	(0)	CHARACTER	2	SA64RID	Record type==>SA
2	(2)	BITSTRING	6		

Comment

A Storage Address record defines one storage map record, associating it with a contiguous block of storage in an address space.

End of Comment

8	(8)	SIGNED	4	SA64RDX	Data set index

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

Comment

An IPCS address space is specified by three values:

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

(2) A binary integer whose interpretation depends on the preceding code:
- For code BL this integer should be the relative block number
- For code BS this integer should be the relative byte address group number
- For code BT this integer should be the relative track address
- For codes DS and SS this integer contains the address space identification (ASID) for the address space that owns the

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		referenced data space. - For code LI this integer is an arbitrary number that IPCS associates with the symbolic literal. Zero is used for literals when no storage is available. - For codes beginning with the letter C this integer contains the System/370 CPU address (STAP instruction) for the referenced CPU or X'FFFFFFFF'. - For other codes this integer has no meaning and should be set to X'FFFFFFFF'. (3) A doubleword whose interpretation depends on the preceding code: - For code A the first fullword contains zero normally. A non-zero associated ASID may appear in the first fullword in the dump header of records written by SADUMP. The second fullword contains binary zeroes in all cases. - For codes CV and SV the first fullword is interpreted as a binary integer that contains the address space identification (ASID) for the referenced address space, and the second fullword contains binary zeroes. - For codes DS and SS the doubleword is interpreted as the DSPNAME for the referenced data space. - For code SC the doubleword is interpreted as a component identifier. - For other codes this doubleword has no meaning and should be set to zero. ----------			
				End of Comment	
12	(C)	SIGNED	4	(0)	Align on word boundary
12	(C)	CHARACTER	16	SA64AS (0)	IPCS address space descriptor
12	(C)	CHARACTER	1	SA64AS0 (0)	Begin BLSRDATS #MD03009
12	(C)	CHARACTER	2	SA64AST (0)	Address space type code
12	(C)	ADDRESS	2		Address space type code
12	(C)	X'C140'	0	ZZZASTA	"C'A '" ABSOLUTE
12	(C)	X'C2D3'	0	ZZZASTBL	"C'BL'" BLOCK
12	(C)	X'C2E2'	0	ZZZASTBS	"C'BS'" RBA
12	(C)	X'C2E3'	0	ZZZASTBT	"C'BT'" TTR
12	(C)	X'C340'	0	ZZZASTC	"C'C '" CPU STATUS
12	(C)	X'C3C5'	0	ZZZASTCE	"C'CE'" CPU DOMAIN(VECTOR)
12	(C)	X'C3D9'	0	ZZZASTCR	"C'CR'" CPU REAL
12	(C)	X'C3E3'	0	ZZZASTCT	"C'CT'" CPU DOMAIN(CPUTRACE)
12	(C)	X'C3E5'	0	ZZZASTCV	"C'CV'" CPU ASID
12	(C)	X'C4E2'	0	ZZZASTDS	"C'DS'" ASID DSPNAME
12	(C)	X'C840'	0	ZZZASTH	"C'H '" HEADER
12	(C)	X'D3C9'	0	ZZZASTLI	"C'LI'" LITERAL
12	(C)	X'4040'	0	ZZZASTNO	"C' '" No address space type code
12	(C)	X'E2C2'	0	ZZZASTSB	"C'SB'" DOMAIN(SDUMPBUFFER)
12	(C)	X'E2C3'	0	ZZZASTSC	"C'SC'" COMPDATA
12	(C)	X'E2C4'	0	ZZZASTSD	"C'SD'" DOMAIN(SUMDUMP)
12	(C)	X'E2E2'	0	ZZZASTSS	"C'SS'" ASID DSPNAME SUMDUMP
12	(C)	X'E2E5'	0	ZZZASTSV	"C'SV'" ASID SUMDUMP
14	(E)	BITSTRING	2	SA64ASH	Reserved
16	(10)	SIGNED	4	SA64AS1 (0)	Integer 1
16	(10)	SIGNED	4		Integer 1
20	(14)	CHARACTER	8	SA64ASC (0)	Second qualifier
20	(14)	SIGNED	4	SA64AS2 (0)	Integer 2
20	(14)	SIGNED	4		Integer 2
24	(18)	BITSTRING	4	SA64AS3	Reserved
28	(1C)	CHARACTER	1	SA64AS9 (0)	End BLSRDATS #MD03009
28	(1C)	BITSTRING	8	SA64LAD	Logical address
36	(24)	SIGNED	2	(0)	Align structure on boundary
36	(24)	CHARACTER	34	SA64DT (0)	IPCS data type descriptor
36	(24)	CHARACTER	1	SA64DT0 (0)	Begin BLSRDATT #MD04356
36	(24)	CHARACTER	1	SA64DTY (0)	Data type code
36	(24)	ADDRESS	1		Data type code

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
------- The following data type codes are supported by IPCS -----					
			End of Comment		
36	(24)	X'C1'	0	ZZZDTYA	"C'A',1,C'C'" Pointer
36	(24)	X'C2'	0	ZZZDTYB	"C'B',1,C'C'" Bit
36	(24)	X'C3'	0	ZZZDTYC	"C'C',1,C'C'" Character
36	(24)	X'C5'	0	ZZZDTYE	"C'E',1,C'C'" Float
36	(24)	X'C6'	0	ZZZDTYF	"C'F',1,C'C'" Signed
36	(24)	X'C9'	0	ZZZDTYI	"C'I',1,C'C'" Instruction
36	(24)	X'D3'	0	ZZZDTYL	"C'L',1,C'C' Module @D1A"
36	(24)	X'D4'	0	ZZZDTYM	"C'M',1,C'C'" Structure
36	(24)	X'D7'	0	ZZZDTYP	"C'P',1,C'C'" Packed
36	(24)	X'E4'	0	ZZZDTYU	"C'U',1,C'C'" Area
36	(24)	X'E8'	0	ZZZDTYY	"C'Y',1,C'C'" Unsigned
36	(24)	X'E9'	0	ZZZDTYZ	"C'Z',1,C'C'" Zoned
37	(25)	BITSTRING	1		
38	(26)	CHARACTER	31	SA64DTD	Data name
69	(45)	CHARACTER	1	SA64DTE	reserved
70	(46)	CHARACTER	1	SA64DT9 (0)	End BLSRDATT #MD04356
70	(46)	CHARACTER	1	SA64ELK (0)	End of logical key
70	(46)	X'46'	0	SA64LKL	"SA64ELK-SA64000" Logical key length
70	(46)	BITSTRING	2		Reserved
			Comment		
---------- IPCS records the following properties for areas of storage: - The offset between an addressed byte and the physical origin of this area. - The physical length of this area. - A data type. - An indication whether the area is scalar or an array and, if the area is an array, the number of entries in the array and the subscript which applies to the first entry. ----------					
			End of Comment		
72	(48)	SIGNED	4	(0)	Align structure on boundary
72	(48)	CHARACTER	76	SA64F (0)	IPCS attribute descriptor
72	(48)	CHARACTER	1	SA64F00 (0)	Begin BLSRDATC #MD03007
72	(48)	SIGNED	8	SA64FOF (0)	Offset in bytes
72	(48)	ADDRESS	8		Offset in bytes
80	(50)	ADDRESS	8	SA64FLE	Length in bytes
88	(58)	SIGNED	1	SA64FOB	
89	(59)	SIGNED	1	SA64FLB	
90	(5A)	SIGNED	2	(0)	Align structure on boundary
90	(5A)	CHARACTER	34	SA64FT (0)	IPCS data type descriptor
90	(5A)	CHARACTER	1	SA64FT0 (0)	Begin BLSRDATT #MD04356
90	(5A)	CHARACTER	1	SA64FTY (0)	Data type code
90	(5A)	ADDRESS	1		Data type code
91	(5B)	BITSTRING	1		
92	(5C)	CHARACTER	31	SA64FTD	Data name
123	(7B)	CHARACTER	1	SA64FTE	reserved
124	(7C)	CHARACTER	1	SA64FT9 (0)	End BLSRDATT #MD04356
124	(7C)	BITSTRING	8	SA64FIM	Array entry count
132	(84)	BITSTRING	8	SA64FIL	Subscript of initial array entry
140	(8C)	BITSTRING	4	SA64FF	Flags
		1...		SA64FFA	"BIT0" Array
144	(90)	BITSTRING	4		
148	(94)	CHARACTER	1	SA64F99 (0)	End BLSRDATC #MD03007

BLSRSA64 Cross Reference

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		--- Scan results--Flags, return codes, and processing summary ---			
		End of Comment			
148	(94)	BITSTRING	8	SA64SF (0)	Scan Flags
148	(94)	BITSTRING	1		
		1...		SA64SF1	"BIT0" Scan started
		.1..		SA64SF9	"BIT1" Scan completed
		..1.		SA64SFI	"BIT2" Initial analysis error
		...1		SA64SFS	"BIT3" Storage required for diagnostic(s)
		.... 1...		SA64SFA	"BIT4" Storage attributes unknown
		.... .1..		SA64SFM	"BIT5" Use model - no scan exit
		.... ..1.		SA64SFF	"BIT6" Find routine exists
		1		SA64SFG	"BIT7" Scan exit accepts ABITS(64) API
149	(95)	BITSTRING	3		Reserved
152	(98)	BITSTRING	8	SA64GMT	TOD clock value when scan was last performed
160	(A0)	CHARACTER	8	SA64PGV	Scan program name or model name
168	(A8)	SIGNED	1	SA64SRC	Scan result code--0=>Informational, 4=>Warning, 8=>Error, 12=>Serious
169	(A9)	ADDRESS	1	SA64RST	BLSRSASY subtype
169	(A9)	X'0'	0	SA64RST31	"0" BLSRSASY subtype - ABITS=31
169	(A9)	X'1'	0	SA64RST64	"1" BLSRSASY subtype - ABITS=64
170	(AA)	BITSTRING	20		Reserved
		Comment			
		--- Scan processing details--Length(0:2816) characters--structured by each scan exit to match its unique requirements ---			
		End of Comment			
190	(BE)	CHARACTER	1	SA64C (0)	Scan routine data
190	(BE)	SIGNED	2	SA64CL	Length of remark text
190	(BE)	X'0'	0	SA64LTL	"0" Minimum remark text length
190	(BE)	X'B00'	0	SA64HTL	"2816" Maximum remark text length
192	(C0)	BITSTRING	1	SA64CT (0)	Scan routine data
3008	(BC0)	CHARACTER	1	SA64999 (0)	End BLSRSASY #MD99125
3008	(BC0)	X'C0'	0	SA64LRL	"SA64CT-SA64000" Minimum record length
3008	(BC0)	X'BC0'	0	SA64HRL	"SA64999-SA64000" Maximum record length

BLSRSA64 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SA64	0		SA64DTE	45	40
SA64AS	C		SA64DTY	24	
SA64ASC	14		SA64DT0	24	
SA64ASH	E	0	SA64DT9	46	
SA64AST	C		SA64ELK	46	
SA64AS0	C		SA64F	48	
SA64AS1	10		SA64FF	8C	0
SA64AS2	14		SA64FFA	8C	80
SA64AS3	18	0	SA64FIL	84	0
SA64AS9	1C		SA64FIM	7C	0
SA64C	BE		SA64FLB	59	0
SA64CL	BE	0	SA64FLE	50	
SA64CT	C0	0	SA64FOB	58	0
SA64DT	24		SA64FOF	48	
SA64DTD	26	40404040	SA64FT	5A	

Name	Hex Offset	Hex Value
SA64FTD	5C	40404040
SA64FTE	7B	40
SA64FTY	5A	
SA64FT0	5A	
SA64FT9	7C	
SA64F00	48	
SA64F99	94	
SA64GMT	98	
SA64HRL	BC0	BC0
SA64HTL	BE	B00
SA64LAD	1C	0
SA64LKL	46	46
SA64LRL	BC0	C0
SA64LTL	BE	0
SA64PGV	A0	40404040
SA64RDX	8	0
SA64RID	0	E2C1
SA64RST	A9	
SA64RST31	A9	0
SA64RST64	A9	1
SA64SF	94	
SA64SFA	94	8
SA64SFF	94	2
SA64SFG	94	1
SA64SFI	94	20
SA64SFM	94	4
SA64SFS	94	10
SA64SF1	94	80
SA64SF9	94	40
SA64SRC	A8	0
SA64000	0	
SA64999	BC0	
ZZZASTA	C	C140
ZZZASTBL	C	C2D3
ZZZASTBS	C	C2E2
ZZZASTBT	C	C2E3
ZZZASTC	C	C340
ZZZASTCE	C	C3C5
ZZZASTCR	C	C3D9
ZZZASTCT	C	C3E3
ZZZASTCV	C	C3E5
ZZZASTDS	C	C4E2
ZZZASTH	C	C840
ZZZASTLI	C	D3C9
ZZZASTNO	C	4040
ZZZASTSB	C	E2C2
ZZZASTSC	C	E2C3
ZZZASTSD	C	E2C4
ZZZASTSS	C	E2E2
ZZZASTSV	C	E2E5
ZZZDTYA	24	C1
ZZZDTYB	24	C2
ZZZDTYC	24	C3
ZZZDTYE	24	C5
ZZZDTYF	24	C6
ZZZDTYI	24	C9
ZZZDTYL	24	D3
ZZZDTYM	24	D4
ZZZDTYP	24	D7
ZZZDTYU	24	E4
ZZZDTYY	24	E8
ZZZDTYZ	24	E9

BLSRXMSP Programming Interface information

Programming Interface information

BLSRXMSP

End of Programming Interface information

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BLSRXMSP Heading Information

Common Name: IPCS storage map service parameter list
Macro ID: BLSRSMSP
DSECT Name: Not applicable
Owning Component: IPCS (SC132)
Eye-Catcher ID: XMSP
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: No
Auxiliary Storage: Yes
Subpool: Not applicable
Key: 8
Data Space: No
Residency: LOC(ANY)
Size: 64 bytes
Created by: User code for use by the IPCS storage map service
Pointed to by: IPCS storage map service parameter list
Serialization: None
Function: This parameter list is used by IPCS exits to request services involving Storage address records.

BLSRXMSP Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	XMSP	, IPCS storage map service parameter list
0	(0)	CHARACTER	1	XMSP000 (0)	Begin BLSRXMSP #MD99116

Comment

A storage map service (XMSP) parameter list contains fields pointing to a Storage Address record and a buffer address in which to place data. The type of service requested is identified in field XMSPCODE.

End of Comment

0	(0)	CHARACTER	5	XMSPID (0)	Storage map service parameter identifier
0	(0)	CHARACTER	4	XMSPIDC	XMSP acronym
4	(4)	CHARACTER	1	XMSPIDL	XMSP level indicator
5	(5)	BITSTRING	3	XMSPPFLG (0)	Processing flags
5	(5)	BITSTRING	1	XMSPPFL1	First byte of flags
		1...		XMSPNOMS	"BIT0" No error or diagnostic messages to be issued
		.1..		XMSPDCS	"BIT1" Data characteristics have been supplied

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		XMSPDEFR	"BIT2" Defer Scan routine
		Comment			
		P.LDEL EQU BIT3 Used internally by OS/390 MVS			
		End of Comment			
		.... 1...		XMSPV64	"BIT4" 64-bit API for validity check
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	XMSPMODN	Name of module requesting the service
16	(10)	ADDRESS	4	XMSPSAR	Address of Storage Map record being processed
20	(14)	ADDRESS	4	XMSPSAL	Address of Storage Map record used in locating the control block being validity checked by the current SCAN routine
24	(18)	ADDRESS	4	XMSPBUF	Pointer to user buffer to contain accessed storage
28	(1C)	ADDRESS	4		Reserved pointer
32	(20)	ADDRESS	2	XMSPCODE	Function code bytes
32	(20)	X'1'	0	XMSPACC	"1,2,C'Y'" Access storage described by Storage Address record
32	(20)	X'2'	0	XMSPVAL	"2,2,C'Y'" Validity check storage
32	(20)	X'3'	0	XMSPDIAG	"3,2,C'Y'" Diagnose block of storage described as being in error
34	(22)	BITSTRING	34	XMSPRV2	Reserved
68	(44)	CHARACTER	1	XMSP999 (0)	End BLSRXMSP #MD99116

BLSRXMSP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
XMSP	0	
XMSPACC	20	1
XMSPBUF	18	
XMSPCODE	20	0
XMSPDCS	5	40
XMSPDEFR	5	20
XMSPDIAG	20	3
XMSPID	0	
XMSPIDC	0	E7D4E2D7
XMSPIDL	4	F1
XMSPMODN	8	40404040
XMSPNOMS	5	80
XMSPPFLG	5	
XMSPPFL1	5	0
XMSPRV2	22	0
XMSPSAL	14	
XMSPSAR	10	
XMSPVAL	20	2
XMSPV64	5	8
XMSP000	0	
XMSP999	44	

BLSRXSSP Programming Interface information

Programming Interface information

BLSRXSSP

End of Programming Interface information

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BLSRXSSP Heading Information

Common Name: IPCS Symbol Service Parameter List
Macro ID: BLSRXSSP
DSECT Name: Selected by user of macro
Owning Component: IPCS (SC132)
Eye-Catcher ID: XSSP
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: No
Auxiliary Storage: Yes
Subpool: Any that may be altered by key 8 programs
Key: 8
Data Space: No
Residency: LOC(ANY,ANY)
Size: 64 bytes
Created by: Calling program in the IPCS host environment
Pointed to by: N/A
Serialization: None
Function: This parameter list is used by IPCS exits to request services involving the Equate Symbol records.
OPERATION = Create a mapping for BLSRXSSP

BLSRXSSP Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	XSSP	, IPCS symbol service parameter list
0	(0)	CHARACTER	1	XSSP000 (0)	Begin BLSRXSSP #MD99193

Comment

A symbol service (XSSP) parameter list contains fields pointing
to an Equate Symbol record and a buffer address in which to place
data. The type of service requested is identified in field XSSPCODE.

End of Comment

0	(0)	CHARACTER	5	XSSPID (0)	Symbol service parameter identifier
0	(0)	CHARACTER	4	XSSPIDC	XSSP acronym
4	(4)	CHARACTER	1	XSSPIDL	XSSP level indicator
5	(5)	BITSTRING	3	XSSPPFLG (0)	Processing flags
5	(5)	BITSTRING	1	XSSPPFL1	First byte of flags
		1...		XSSPNOMS	"BIT0" No error or diagnostic messages to be issued

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		XSSPDCS	"BIT1" Data characteristics have been supplied
		..1.		XSSPBIT64	"BIT2" BLSRESSY structures should be returned in ABITS(64) format
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	XSSPMODN	Name of module requesting the service
16	(10)	ADDRESS	4	XSSPESR	Address of Equate Symbol record being processed
20	(14)	ADDRESS	4	XSSPBUF	Pointer to user buffer to contain accessed storage
24	(18)	ADDRESS	4		Reserved pointer
28	(1C)	ADDRESS	2	XSSPCODE	Function code bytes
28	(1C)	X'1'	0	XSSPEQU	"1,2,C'Y'" Store Equate Symbol record
28	(1C)	X'2'	0	XSSPGET	"2,2,C'Y'" Get Equate Symbol record for symbol passed
28	(1C)	X'3'	0	XSSPACC	"3,2,C'Y'" Access storage described by Equate Symbol record
28	(1C)	X'4'	0	XSSPACCN	"4,2,C'Y'" Resolve symbol definition and access storage
28	(1C)	X'5'	0	XSSPVAL	"5,2,C'Y'" Validity check storage
28	(1C)	X'6'	0	XSSPACTV	"6,2,C'Y'" Check for active task
28	(1C)	X'7'	0	XSSPACCV	"7,2,C'Y'" Validity check and access stg.
30	(1E)	BITSTRING	34	XSSPRV2	Reserved
64	(40)	CHARACTER	1	XSSP999 (0)	End BLSRXSSP #MD99193

BLSRXSSP Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
XSSP	0	
XSSPACC	1C	3
XSSPACCN	1C	4
XSSPACCV	1C	7
XSSPACTV	1C	6
XSSPBIT64	5	20
XSSPBUF	14	
XSSPCODE	1C	0
XSSPDCS	5	40
XSSPEQU	1C	1
XSSPESR	10	
XSSPGET	1C	2
XSSPID	0	
XSSPIDC	0	E7E2E2D7
XSSPIDL	4	F1
XSSPMODN	8	40404040
XSSPNOMS	5	80
XSSPPFLG	5	
XSSPPFL1	5	0
XSSPRV2	1E	0
XSSPVAL	1C	5
XSSP000	0	
XSSP999	40	

BLSUPPR2 Programming Interface information

Programming Interface information

BLSUPPR2

End of Programming Interface information

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BLSUPPR2 Heading Information

Common Name: Expanded Print Parameter List
Macro ID: BLSUPPR2
DSECT Name: Dynamic, supplied by user as BLSUPPR2 macro parm
Owning Component: IPCS (SC132)
Eye-Catcher ID: PPR2
Offset: 0
Length: 4
Storage Attributes: Subpool: N/A
Key: 8 (IPCS), 0 (SNAP)
Data Space: No
Residency: LOC(ANY)
Size: 56 bytes
Created by: Invokers of IPCS expanded print service
Pointed to by: N/A
Serialization: N/A
Function: Describe the type of printing function to perform.

BLSUPPR2 Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PPR2	, IPCS print parameter list
0	(0)	CHARACTER	1	PPR2000 (0)	Begin BLSUPPR2 #MD85283

Comment

A print service parameter list (PPR2) defines the print options
desired for the data in the print buffer.

End of Comment

0	(0)	CHARACTER	5	PPR2ID (0)	Control block identifier
0	(0)	CHARACTER	4	PPR2IDC	Control block acronym
4	(4)	CHARACTER	1	PPR2IDL	Control block level indicator
5	(5)	BITSTRING	3	PPR2PFLG (0)	Processing flags
5	(5)	BITSTRING	1	PPR2PFL1	First byte of flags
		1...		PPR2CNH	"BIT0" Conditional header request
		.1..		PPR2OCOL	"BIT1" Offset column by ADPLSCOL
		..1.		PPR2CCNH	"BIT2" Cancel conditional header request
		...1		PPR2TRUN	"BIT3" Truncate output to 1 line
		.... 1...		PPR2MSG	"BIT4" Print buffer contains a message
		.... .1..		PPR2EJEC	"BIT5" Cause page eject
		.... ..1.		PPR2NL	"BIT6" Treat X'15' as New Line request
		1		PPR2TERM	"BIT7" Only send output to the terminal

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
6	(6)	BITSTRING	1	PPR2PFL2	Second byte of flags
		1...		PPR2PLW	"BIT0" Use print file line width
7	(7)	BITSTRING	1		Reserved
8	(8)	ADDRESS	4	PPR2BUF	Address of buffer containing the data to be printed
12	(C)	SIGNED	4	PPR2BUFL	Length of data in the buffer to be printed
16	(10)	SIGNED	2	PPR2OVIN	Overflow indentation level
18	(12)	CHARACTER	8	PPR2TOKN	Token for identifying a conditional header
26	(1A)	CHARACTER	8	PPR2MODN	Name of module requesting the service
34	(22)	BITSTRING	22		Reserved
56	(38)	CHARACTER	1	PPR2999 (0)	End BLSUPPR2 #MD85283

BLSUPPR2 Cross Reference

Name	Hex Offset	Hex Value
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
PPR2	0	
PPR2BUF	8	
PPR2BUFL	C	0
PPR2CCNH	5	20
PPR2CNH	5	80
PPR2EJEC	5	4
PPR2ID	0	
PPR2IDC	0	D7D7D9F2
PPR2IDL	4	F1
PPR2MODN	1A	40404040
PPR2MSG	5	8
PPR2NL	5	2
PPR2OCOL	5	40
PPR2OVIN	10	2
PPR2PFLG	5	
PPR2PFL1	5	0
PPR2PFL2	6	0
PPR2PLW	6	80
PPR2TERM	5	1
PPR2TOKN	12	40404040
PPR2TRUN	5	10
PPR2000	0	
PPR2999	38	

BPXYOSMF Programming Interface information

Programming Interface information

BPXYOSMF

End of Programming Interface information

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BPXYOSMF Heading Information

Common Name: OpenMVS SMF Job/Step Accounting data mapping
Macro ID: BPXYOSMF
DSECT Name: OSMF
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: OSMF
Offset: 0
Length: 4
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: OSMF#LENGTH
Created by: Storage obtained by caller of BPXESMF
Pointed to by: OsmfPtr
Serialization: N/A
Function: The OSMF maps the structure returned by executable macro, BPXESMF. This macro collects OpenMVS process accounting data for the current address space.

BPXYOSMF 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	OSMF	,
0	(0)	CHARACTER	4	OSMFID	EBCDIC ID - OSMF
4	(4)	SIGNED	1	OSMFVERSION	Version of System SMF
5	(5)	SIGNED	3	OSMFLENGTH	Length used by System SMF
8	(8)	CHARACTER	28	OSMFUSERID (0)	
8	(8)	SIGNED	4	OSMFRUID	OpenMVS real user ID number
12	(C)	SIGNED	4	OSMFRGID	OpenMVS real group ID number
16	(10)	SIGNED	4	OSMFPROCESSID	OpenMVS process ID number
20	(14)	SIGNED	4	OSMFPROCGRPID	OpenMVS process group ID number
24	(18)	SIGNED	4	OSMFSESSIONID	OpenMVS session ID number
28	(1C)	SIGNED	4	OSMFPARENTPID	OpenMVS parent process ID number
32	(20)	CHARACTER	4		Reserved
36	(24)	CHARACTER	20	OSMFKERNEL (0)	
36	(24)	BITSTRING	8	OSMFSYSTIME	Total CPU time spent in OpenMVS kernel (TOD clock format)
44	(2C)	SIGNED	4	OSMFSYSCALLCOUNT	Total OpenMVS callable services. This includes callable services done internally by the kernel. It does not include all trivial callable services.
48	(30)	CHARACTER	8		Reserved
56	(38)		0	OSMFFILESYS	
56	(38)		0	OSMFDIRR	Directory read I/O blocks
60	(3C)		0	OSMFSTDR	Standard file read I/O blocks
64	(40)		0	OSMFSTDW	Standard file write I/O blocks
68	(44)		0	OSMFCHRSR	Character special read I/O blocks
72	(48)		0	OSMFCHRSW	Character special write I/O blocks
76	(4C)		0	OSMFPIPER	Pipe read I/O blocks
80	(50)		0	OSMFPIPEW	Pipe write I/O blocks

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
84	(54)		0	OSMFLKLFS	Path name lookup calls to logical file system lookup routine
88	(58)		0	OSMFLKPFS	Path name lookup calls to physical file system lookup routine
92	(5C)		0	OSMFGNPLFS	Path name generation calls to logical file system
96	(60)		0	OSMFGNPPFS	Path name generation calls to physical file system lookup routine
100	(64)		0	OSMFSCKR	Remote socket read I/O blocks
104	(68)		0	OSMFSCKW	Remote socket write I/O blocks
108	(6C)		0		reserved VERSION 1
112	(70)		0	OSMFEXECPNAME	Exec'ed program name
128	(80)		0		reserved VERSION 2
132	(84)		0	OSMFMSQSEND	# Message send bytes
136	(88)		0	OSMFMSQRCV	# Message receive bytes
140	(8C)		0	OSMFSYNCCOUNT	# calls to sync() VERSION 3
140	(8C)	X'E2D4C6'	0	OSMF#ID	"C'OSMF'"
140	(8C)	X'3'	0	OSMF#VERSION	"3" Current Version of OSMF
140	(8C)	X'90'	0	OSMF#LENGTH	"*-OSMF" Length of OSMF

Comment

BPXYOSMF End

End of Comment

BPXYOSMF Cross Reference

Name	Hex Offset	Hex Value
OSMF	0	
OSMF#ID	8C	E2D4C6
OSMF#LENGTH	8C	90
OSMF#VERSION	8C	3
OSMFCHRSR	44	
OSMFCHRSW	48	
OSMFDIRR	38	
OSMFEXECPNAME	70	
OSMFFILESYS	38	
OSMFGNPLFS	5C	
OSMFGNPPFS	60	
OSMFID	0	
OSMFKERNEL	24	
OSMFLENGTH	5	
OSMFLKLFS	54	
OSMFLKPFS	58	
OSMFMSQRCV	88	
OSMFMSQSEND	84	
OSMFPARENTPID	1C	
OSMFPIPER	4C	
OSMFPIPEW	50	
OSMFPROCESSID	10	
OSMFPROCGRPID	14	
OSMFRGID	C	
OSMFRUID	8	
OSMFSCKR	64	
OSMFSCKW	68	
OSMFSESSIONID	18	
OSMFSTDR	3C	
OSMFSTDW	40	
OSMFSYNCCOUNT	8C	
OSMFSYSCALLCOUNT	2C	
OSMFSYSTIME	24	
OSMFUSERID	8	
OSMFVERSION	4	

BPXYPEDB Programming Interface information

Programming Interface information

BPXYPEDB

End of Programming Interface information

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BPXYPEDB Heading Information

Common Name: Mapping of the Process Exit Data Block
Macro ID: BPXYPEDB
DSECT Name: PEDB
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: PEDB
Offset: 0
Length: 4
Storage Attributes: Subpool: N/A
Key: 0 or 8
Residency: Autodata of modules used
Size: PEDB#LEN
PEDB -- X'019C' bytes
Created by: N/A
Pointed to by: PEDBPtr
Serialization: N/A
Function: Mapping of the Process Exit Data Block which is input to the following exits:
BPX_PREPROC_INIT - pre-process initialization
BPX_POSPROC_INIT - post process initialization
BPX_IMAGE_INIT - process image change
BPX_PREPROC_TERM - pre-process termination

BPXYPEDB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PEDB	PEDB - Process Exit Data Block
0	(0)	CHARACTER	4	PEDBEYE	Eye catcher - 'PEDB'
4	(4)	SIGNED	2	PEDBLENGTH	Length of structure
6	(6)	SIGNED	1	PEDBVERSION	Version number
7	(7)	SIGNED	1	PEDBEXITPOINTID	Unique value identifying exit point, these constants are defined below
8	(8)	SIGNED	4	PEDBFLAGS (0)	Flags
8	(8)	CHARACTER	1	PEDBCREATEDVIAFLAGS (0)	Bits indicating what the process is being created via
		1...		PEDBVIAFORK	"X'80'" On = process is being created via fork()
		.1..		PEDBVIASPAWN	"X'40'" On = process is being created via spawn()
		..1.		PEDBVIAATTEXEC	"X'20'" On = process is being created via attach_exec()
		...1		PEDBVIAATTEXECMVS	"X'10'" On = process is being created via attach_execmvs()
		.... 1...		PEDBVIA1STCALLABLE	"X'08'" On = process is being created via the 1st callable service from a non-USS address space
9	(9)	CHARACTER	1	PEDBFLAGS2 (0)	2nd flag byte
		1...		PEDBVIAMEMTERM	"X'80'" On = process is being terminated via memterm
		.1..		PEDBVIAABTERM	"X'40'" On = process is being terminated via abterm
10	(A)	CHARACTER	1	PEDBFLAGS3	3rd flag byte
11	(B)	CHARACTER	1	PEDBFLAGS4	4th flag byte
12	(C)	BITSTRING	8	PEDBUNIQUEID	A Unique Id identifying this process's set of exits. This Id is the same starting at the pre-process initialization exit all the way to the pre-process term exit. It also happens to be TOD when the pre-process initial- zation exit was called.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Information specific to Initiator of the new process (creator) This section is filled out ONLY when the following exits hit: BPX_PREPROC_INIT - pre-process initialization BPX_POSPROC_INIT - post process initialization BPX_IMAGE_INIT - process image change This section is NOT filled out by the following exits: BPX_PREPROC_TERM - pre-process termination	
				End of Comment	
20	(14)	CHARACTER	164	PEDBCREATORINFO (0)	
20	(14)	SIGNED	4	PEDBCREATORPROCID	Process ID initiating New process
24	(18)	SIGNED	2	PEDBCREATORASID	ASID of initiating new process
26	(1A)	SIGNED	1	PEDBCREATORUSERIDLEN	Length of the Userid initiating the new process
27	(1B)	SIGNED	1	PEDBCREATORALIASLEN	Length of the Alias initiating the new process
28	(1C)	SIGNED	2	PEDBCREATORPROGNAMELEN	Length of the Program Name initiating new process
30	(1E)	SIGNED	2		Reserved
32	(20)	CHARACTER	8	PEDBCREATORJOBNAME	Jobname initiating the new process
40	(28)	CHARACTER	8	PEDBCREATORUSERID	Userid initiating the new process
48	(30)	CHARACTER	8	PEDBCREATORALIAS	Alias initiating the new process
56	(38)	CHARACTER	128	PEDBCREATORPROGNAME	Program Name of the initiating new process
				Comment	
				New Process / Terminating Process Information (child) This section is filled out ONLY when the following exits hit: BPX_POSPROC_INIT - post process initialization BPX_IMAGE_INIT - process image change BPX_PREPROC_TERM - pre-process termination This section is NOT filled out by the following exits: BPX_PREPROC_INIT - pre-process initialization	
				End of Comment	
184	(B8)	CHARACTER	164	PEDBNEWINFO (0)	
184	(B8)	CHARACTER	164	PEDBTERMINFO (0)	
184	(B8)	SIGNED	4	PEDBNEWPROCID (0)	Process ID of New process
184	(B8)	SIGNED	4	PEDBTERMPROCID	Process ID for the terminating process
188	(BC)	SIGNED	2	PEDBNEWASID (0)	ASID of new process
188	(BC)	SIGNED	2	PEDBTERMASID	ASID of the terminating process
190	(BE)	SIGNED	1	PEDBNEWUSERIDLEN (0)	Length of the Userid of the new process
190	(BE)	SIGNED	1	PEDBTERMUSERIDLEN	Length of the Userid of the terminating process
191	(BF)	SIGNED	1	PEDBNEWALIASLEN (0)	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Length of the Alias of the new process
191	(BF)	SIGNED	1	PEDBTERMALIASLEN	
					Length of the Alias of the terminating process
192	(C0)	SIGNED	2	PEDBNEWPROGNAMELEN	
				(0)	
					Length of the Program Name of the new process
192	(C0)	SIGNED	2	PEDBTERMPROGNAMELEN	
					Length of Program Name of the terminating process
194	(C2)	SIGNED	2		Reserved
196	(C4)	CHARACTER	8	PEDBNEWJOBNAME	
				(0)	
					Jobname of new process
196	(C4)	CHARACTER	8	PEDBTERMJOBNAME	
					Jobname of terminating process
204	(CC)	CHARACTER	8	PEDBNEWUSERID	
				(0)	
					Userid of the new process
204	(CC)	CHARACTER	8	PEDBTERMUSERID	
					Userid of the terminating process
212	(D4)	CHARACTER	8	PEDBNEWALIAS	Alias of the new process
				(0)	
212	(D4)	CHARACTER	8	PEDBTERMALIAS	
					Alias of the terminating process
220	(DC)	CHARACTER	128	PEDBNEWPROGNAME	
				(0)	
					Program Name of the new process
220	(DC)	CHARACTER	128	PEDBTERMPROGNAME	
					Program Name of the terminating process
348	(15C)	CHARACTER	64		Reserved for future use
412	(19C)	CHARACTER	1	PEDBVER1LEN	End of Version 1
				(0)	
412	(19C)	X'C5C4C2'	0	PEDB#ID	"C'PEDB'" Eye catcher
412	(19C)	X'1'	0	PEDB#VER	"1" Current version of this control block
412	(19C)	X'1'	0	PEDB#VER01	"1" Version 1 of control block
412	(19C)	X'19C'	0	PEDB#LEN01	"412" Version 1 of PEDB control block len
412	(19C)	X'19C'	0	PEDB#LEN	"412" Length of PEDB
				Comment	
				Constants to fill in PEDBExitPointId field	
				End of Comment	
412	(19C)	X'1'	0	PEDB_BPX_PREPROC_INIT	
					"1" Identifies that this this structure was built for the pre-process initiation exit
412	(19C)	X'2'	0	PEDB_BPX_POSPROC_INIT	
					"2" Identifies that this this structure was built for the post process initiation exit
412	(19C)	X'3'	0	PEDB_BPX_IMAGE_INIT	
					"3" Identifies that this this structure was built for the process image change exit
412	(19C)	X'4'	0	PEDB_BPX_PREPROC_TERM	
					"4" Identifies that this this structure was built for the pre-process termination
412	(19C)	X'19C'	0	PEDB_LEN	"*-PEDB"

BPXYPEDB Cross Reference

Name	Hex Offset	Hex Value
PEDB	0	
PEDB_BPX_IMAGE_INIT	19C	3
PEDB_BPX_POSPROC_INIT	19C	2
PEDB_BPX_PREPROC_INIT	19C	1
PEDB_BPX_PREPROC_TERM	19C	4
PEDB_LEN	19C	19C
PEDB#ID	19C	C5C4C2
PEDB#LEN	19C	19C
PEDB#LEN01	19C	19C
PEDB#VER	19C	1
PEDB#VER01	19C	1
PEDBCREATEDVIAFLAGS	8	
PEDBCREATORALIAS	30	
PEDBCREATORALIASLEN	1B	
PEDBCREATORASID	18	
PEDBCREATORINFO	14	
PEDBCREATORJOBNAME	20	
PEDBCREATORPROCID	14	
PEDBCREATORPROGNAME	38	
PEDBCREATORPROGNAMELEN	1C	
PEDBCREATORUSERID	28	
PEDBCREATORUSERIDLEN	1A	
PEDBEXITPOINTID	7	
PEDBEYE	0	
PEDBFLAGS	8	
PEDBFLAGS2	9	
PEDBFLAGS3	A	
PEDBFLAGS4	B	
PEDBLENGTH	4	
PEDBNEWALIAS	D4	
PEDBNEWALIASLEN	BF	
PEDBNEWASID	BC	
PEDBNEWINFO	B8	
PEDBNEWJOBNAME	C4	
PEDBNEWPROCID	B8	
PEDBNEWPROGNAME	DC	
PEDBNEWPROGNAMELEN	C0	
PEDBNEWUSERID	CC	
PEDBNEWUSERIDLEN	BE	
PEDBTERMALIAS	D4	
PEDBTERMALIASLEN	BF	
PEDBTERMASID	BC	
PEDBTERMINFO	B8	
PEDBTERMJOBNAME	C4	
PEDBTERMPROCID	B8	
PEDBTERMPROGNAME	DC	
PEDBTERMPROGNAMELEN	C0	
PEDBTERMUSERID	CC	
PEDBTERMUSERIDLEN	BE	
PEDBUNIQUEID	C	
PEDBVERSION	6	
PEDBVER1LEN	19C	
PEDBVIAABTERM	9	40
PEDBVIAATTEXEC	8	20
PEDBVIAATTEXECMVS	8	10
PEDBVIAFORK	8	80
PEDBVIAMEMTERM	9	80
PEDBVIASPAWN	8	40
PEDBVIA1STCALLABLE	8	8

BPXYTCPP Programming Interface information

Programming Interface information

BPXYTCPP

End of Programming Interface information

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BPXYTCPP Heading Information

Common Name: TCP Parameter list
Macro ID: BPXYTCPP
DSECT Name: TcpParm
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: TCPP
Offset: 0
Length: 4
Storage Attributes: Subpool: Dataspace
Key: 0
Residency: Inet Sockets dataspace
Size: TcpParm#Len
Created by: Tcp/Ip caller (See the BPXXTCP macro)
Pointed to by: TcpParmPtr
Serialization: TcppCSwapCtr
Function: The TcpParm maps the parameter list that is passed to Tcp/Ip fo
Inet Sockets system calls.

BPXYTCPP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	TCPPARM	,
0	(0)	SIGNED	4	TCPPARMBEGIN (0)	
		Comment			
		TcpParm Assembler Declarations TcpParm Header			
		End of Comment			
0	(0)	CHARACTER	4	TCPPEYE	Eye Catcher
4	(4)	SIGNED	4	TCPPGARBQNEXTPTR (0)	Ptr to next free Tcpparm
4	(4)	ADDRESS	4	TCPPLEN	Length of the structure
8	(8)	SIGNED	4	TCPPTYPE	See TcppType# for types
12	(C)	ADDRESS	4	TCPPHOMEPTR	Ptr to original TcpParm
16	(10)	SIGNED	4	TCPPCSWAPCTR	Counter area to Compare and Swap for Cleanup
20	(14)	SIGNED	4	TCPPMSGID	MsgId (Filled in by TCP/IP) and used on Cancel
24	(18)	BITSTRING	1	TCPPFLAGS	Flags - Byte 1
		1...		TCPPNOIOCTL	"X'80'" No IoCtl to be done by TcpIp
		.1..		TCPPSRBSCHED	"X'40'" Sched SRB instead of Post
		..1.		TCPPGOODCANCEL	"X'20'" TCP/IP cancel cancelled EQU X'1F' Reserved
25	(19)	CHARACTER	1	TCPPRESERVED7 (7)	Reserved
32	(20)	SIGNED	4	TCPPCALLERSPID	Callers Pid for SigPipe Signal
36	(24)	SIGNED	4	TCPPTRGCLS	Target class (Filled in by Tcp/Ip) and used on Cancel
40	(28)	CHARACTER	24	TCPPWPTOKEN	Kernel Post Token
64	(40)	CHARACTER	32	TCPPIPWORKAREA	TcpIp Work area
96	(60)	CHARACTER	8	TCPPSOCKETTOKEN (0)	Socket Token
96	(60)	SIGNED	4	TCPPPATHID	IUCV Pathid id
100	(64)	SIGNED	4	TCPPSOCKID	Socket Id

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
104	(68)	SIGNED	4	TCPPRETCODE	Return Code
108	(6C)	SIGNED	4	TCPPERRNO	Errno
112	(70)	CHARACTER	60	TCPPSPECIFIC	Call Specific Output area
				Comment	
				Cancel: (Read/Write/Accept/Select only)	
				End of Comment	
172	(AC)	CHARACTER	12	TCPPCANCEL (0)	Cancel
172	(AC)	SIGNED	4	TCPPCLTRGCLS	TrgCls of request to cancel
176	(B0)	SIGNED	4	TCPPCLSOCKID (0)	SocketId of request to cancel
176	(B0)	SIGNED	4	TCPPCLSLDESCSS	Descriptor set size of select request
180	(B4)	SIGNED	4	TCPPCLMSGID	MsgId of original cancel
184	(B8)	CHARACTER	8	TCPPASYTOK	TOken for Ifs Asynch CB
192	(C0)	CHARACTER	16		RESERVED
				Comment	
				Constants used in the Header	
				End of Comment	
192	(C0)	X'D0'	0	TCPPARM#LEN	"*-TCPPARM" Constant - Length of TcpParm
				Comment	
				Call Specific Assembler Declarations Init/Term Calls IUCV Connect: (Get PathId)	
				End of Comment	
112	(70)	SIGNED	4	TCPPIUCVCONNECT (0)	IUCV Connect
112	(70)	CHARACTER	8	TCPPRCUSERID	MVS UserId (boundary word)
120	(78)	SIGNED	4	TCPPRCSOCKPERPATH	Number of Sockets per Path
124	(7C)	SIGNED	4	TCPPRRETPATHID	Returned: PathId
124	(7C)	X'10'	0	TCPPIUCV#LEN	"*-TCPPIUCVCONNECT" Length of TCPPIUCVCONNECT
				Comment	
				Initial Send:	
				End of Comment	
112	(70)	SIGNED	4	TCPPINITSEND (0)	InitSend
112	(70)	CHARACTER	8	TCPPRSUBTASKID	Unique subtask Id
120	(78)	SIGNED	4	TCPPRISOCKPERPATH	Number of Sockets per Path
124	(7C)	SIGNED	4	TCPPRRETSOCKPERPATH	Returned: Sockets per Path
124	(7C)	X'10'	0	TCPPINITSEND#LEN	"*-TCPPINITSEND" Length of TPCCINITSEND
				Comment	
				Sever:	
				End of Comment	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
112	(70)	SIGNED	4	TCPPSEVER (0)	Sever
112	(70)	CHARACTER	8	TCPPSUSERID	UserId to sever
112	(70)	X'8'	0	TCPPSEVER#LEN	"*-TCPPSEVER" Length of TCPPSEVER
				Comment	
				Socket Calls	
				Accept:	
				End of Comment	
112	(70)	SIGNED	4	TCPPACCEPT (0)	Accept
112	(70)	SIGNED	4	TCPPAPATHID	Pathid for new socket
116	(74)	BITSTRING	1	TCPPARETADDRNPLEN	Returned: Length of "peer"
116	(74)	CHARACTER	16	TCPPARETADDRNPORT	Returned: Address of "peer"
132	(84)	SIGNED	4	TCPPARETSOCKID	Returned: Socket Id
136	(88)	SIGNED	4	TCPPAASYNCIDXSAVE	Paid Index save area
140	(8C)	CHARACTER	8	TCPPAASYNCTNODSAVE	Tnod Token save area
140	(8C)	X'24'	0	TCPPACCEPT#LEN	"*-TCPPACCEPT" Length of TCPPACCEPT
				Comment	
				Bind:	
				End of Comment	
112	(70)	SIGNED	4	TCPPBIND (0)	Bind
112	(70)	BITSTRING	1	TCPPBADDRNPLEN	Address to bind to length
112	(70)	CHARACTER	16	TCPPBADDRNPORT	Address to bind to
112	(70)	X'10'	0	TCPPBIND#LEN	"*-TCPPBIND" Length of TCPPBIND
				Comment	
				Close: (No mapping necessary)	
				Connect:	
				End of Comment	
112	(70)	SIGNED	4	TCPPCONNECT (0)	Connect
112	(70)	BITSTRING	1	TCPPCOADDRNPLEN	Address to connect to len
112	(70)	CHARACTER	16	TCPPCOADDRNPORT	Address to connect to
112	(70)	X'10'	0	TCPPCONNECT#LEN	"*-TCPPCONNECT" Length of TCPPCONNECT
				Comment	
				Fcntl:	
				End of Comment	
112	(70)	SIGNED	4	TCPPFCNTL (0)	Fcntl
112	(70)	SIGNED	4	TCPPFCOMMAND	Command options currently: F_SETFL (4) or F_GETFL (3)
116	(74)	SIGNED	4	TCPPFARGUMENT	Arguments currently: FNDELAY (x'00000004')
116	(74)	X'8'	0	TCPPFCNTL#LEN	"*-TCPPFCNTL" Length of TCPPFCNTL

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				GetHostId: (No mapping necessary) GetHostName:	
				End of Comment	
112	(70)	SIGNED	4	TCPPGETHOSTNAME (0)	
					GetHostName
112	(70)	SIGNED	4	TCPPGHOSTNAMELEN	
					Input: Host Name LENGTH
116	(74)	SIGNED	4	TCPPGRETHOSTNAMELEN	
					Returned: Host Name LENGTH
120	(78)	CHARACTER	35	TCPPGRETHOSTNAME	
					Returned: Host Name
120	(78)	X'2B'	0	TCPPGETHOSTNAME#LEN	
					"*-TCPPGETHOSTNAME" Length of TCPPGETHOSTNAME
				Comment	
				The following constant is used with TCPPGRETHOSTNAME. If the value of TCPP#MAXHOSTNAMELEN changes then change TCPPGRETHOSTNAME.	
				End of Comment	
120	(78)	X'23'	0	TCPP#MAXHOSTNAMELEN	
					"35" HostName Length 35 chars=wwwwwwww.xxxxxxxx.yyyyyyyy.zzzzzzzz
				Comment	
				GetPeerName:	
				End of Comment	
112	(70)	SIGNED	4	TCPPGETPEERNAME (0)	
					GetPeerName
112	(70)	BITSTRING	1	TCPPGPRETADDRNPLEN	
					Returned: Length of Pee
112	(70)	CHARACTER	16	TCPPGPRETADDRNPORT	
					Returned: Address of Peer
112	(70)	X'10'	0	TCPPGETPEERNAME#LEN	
					"*-TCPPGETPEERNAME" Length of TCPPGETPEERNAME
				Comment	
				GetSockName:	
				End of Comment	
112	(70)	SIGNED	4	TCPPGETSOCKNAME (0)	
					GetSockName
112	(70)	BITSTRING	1	TCPPGSRETADDRNPLEN	
					Returned: Lenght of sel
112	(70)	CHARACTER	16	TCPPGSRETADDRNPORT	
					Returned: Address of self
112	(70)	X'10'	0	TCPPGETSOCKNAME#LEN	
					"*-TCPPGETSOCKNAME" Length of TCPPGETSOCKNAME
				Comment	
				GetsockOpt:	
				End of Comment	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
112	(70)	SIGNED	4	TCPPGETSOCKOPT (0)	
					GetSockOpt
112	(70)	SIGNED	4	TCPPGSOLEVEL	Level
116	(74)	SIGNED	4	TCPPGSOOPTNAME	
					Option name
120	(78)	SIGNED	4	TCPPGSOOPTLEN	
					Option value length
124	(7C)	CHARACTER	8	TCPPGSORETOPTVALUE	
					Option value
132	(84)	SIGNED	4	TCPPGSORETOPTLEN	
					Returned opt val len
132	(84)	X'18'	0	TCPPGETSOCKOPT#LEN	
					"*-TCPPGETSOCKOPT" Length of TCPPGETSOCKOPT
				Comment	
Ioctl:					
				End of Comment	
112	(70)	SIGNED	4	TCPPIOCTL (0)	Ioctl
112	(70)	SIGNED	4	TCPPIREQUESTTYPE	
					Ioctl Request Type
116	(74)	SIGNED	4	TCPPIARGPLEN (0)	Argp Length (Input)
116	(74)	SIGNED	4	TCPPIRETARGPLEN	
					Argp Length (Output)
120	(78)	CHARACTER	48	TCPPIARGP (0)	Argp (Input)
120	(78)	CHARACTER	48	TCPPIRETARGP	Argp (Output)
120	(78)	X'38'	0	TCPPIOCTL#LEN	
					"*-TCPPIOCTL" Length of TCPPIOCTL
120	(78)	SIGNED	4	TCPPIOCTLARGP (0)	
120	(78)	SIGNED	4	TCPPIFCLEN	Length of returning IArgp area
124	(7C)	SIGNED	4	TCPPIFRIFRU	
128	(80)	ADDRESS	4	TCPPIWAADDR	WORK AREA ADDRESS OF TEMP BUF
120	(78)	SIGNED	4	TCPPIRETIOCTLARGP (0)	
120	(78)	ADDRESS	4	TCPPIRETIFCADDR	
					Address of buffers in home AS
124	(7C)	SIGNED	4	TCPPIRETIFCLEN	
					Size of buffers returned
128	(80)	ADDRESS	4	TCPPIRETWAADDR	
					WORK AREA ADDRESS OF TEMP BUF
128	(80)	X'C80'	0	TCPP#MAXSIOCGIFCONF	
					"3200" Maximum Ioctl SIOCGIFCONF Reply length (32*100)
				Comment	
Listen:					
				End of Comment	
112	(70)	SIGNED	4	TCPPLISTEN (0)	Listen
112	(70)	SIGNED	4	TCPPLBACKLOGCT	
					Back log count
112	(70)	X'4'	0	TCPPLISTEN#LEN	
					"*-TCPPLISTEN" Length of TCPPLISTEN

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		Read/Readv/Recv/RecvFrom/RecvMsg: Write/Writev/Send/SendTo/SendMsg: All of the Read/Readv/Recv/RecvFrom/RecvMsg and Write/WriteV/ Send/SendTo/SendMsg declarations are consolidated into one declare, which is mapped by TcppSndRecv. The flags field, TcppSRFlags, is specifically broken down in TcppSendFlags for send(etc) and TcppRecvFlags for recv(etc).			
				End of Comment	
112	(70)	SIGNED	4	TCPPSNDRECV (0)	Send/Recv etc
112	(70)	SIGNED	4	TCPPSRFLAGS	Send/Recv Flags: See below
116	(74)	BITSTRING	1	TCPPSRADDRNPLEN	Send: Address of msg rec len
116	(74)	CHARACTER	16	TCPPSRADDRNPORT	Send: Address of msg receiver Recv: Address of msg source
132	(84)	SIGNED	4	TCPPSRLEN (0)	Send/Recv buffer length
132	(84)	SIGNED	4	TCPPSRVECTCNT	Number of Vector Pairs
136	(88)	SIGNED	4	TCPPSRADDR (0)	Send/Recv buffer address
136	(88)	SIGNED	4	TCPPSRVECTADDR	Vector buffer address
140	(8C)	SIGNED	4	TCPPSRVECTALET	Vector Alet
144	(90)	SIGNED	4	TCPPSRBUFFALET	Buffer Alet
148	(94)	BITSTRING	1	TCPPSRKEY	Send: Key of Source buffer Recv: Key of Destination buf
		1111		TCPPSRKEY4	"X'F0'" Key (upper 4 bits) EQU X'0F' Reserved (lower 4 bits)
149	(95)	BITSTRING	1	TCPPSRTFLAGS	Non-Socket Flags (1 byte)
		1...		TCPPSFSMALL	"X'80'" Small Msg (Send*,Write Only)
		.1..		TCPPSRFLUSH	"X'40'" Flush buffers, don't copy
		..1.		TCPPSRSENDEND	"X'20'" Send Complete
		...1		TCPPSRDOFLUSH	"X'10'" Flush required from RW2
		.... 1...		TCPPSRZEROBYTES	"X'08'" Zero Byte Send/Recv
		.... .1..		TCPPSRNOPRIMECK	"X'04'" Data not chked til move
		.... ..1.		TCPPSRBULK	"X'02'" Bulkmode request EQU X'01' Reserved
150	(96)	CHARACTER	2	TCPPSRRESERV	Reserved (2 bytes)
152	(98)	SIGNED	4	TCPPSRRETLEN	Returned: Bytes Read/Write
156	(9C)	SIGNED	4	TCPPSRRETSMFRECCNT	Returned: Approximate number of IOs per send
160	(A0)	SIGNED	4	TCPPSRMSGHFLAGS	Returned: Output flags EQU X'FFFFFFC0' Reserved (26 bits)
		..1.		TCPPSRMSGHCTRUNC	"X'00000020'" MSG_CTRUNC Flag
		...1		TCPPSRMSGHTRUNC	"X'00000010'" MSG_TRUNC Flag
		.... 1...		TCPPSRMSGHEOR	"X'00000008'" MSG_EOR Flag EQU X'00000004' Reserved EQU X'00000002' Reserved
		1		TCPPSRMSGHOOB	"X'00000001'" MSG_OOB Flag
160	(A0)	X'34'	0	TCPPSNDRECV#LEN	"*-TCPPSNDRECV" Length of TCPPSNDRECV

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
				Declare send bit flags mapped over TcppSRFlags	
				End of Comment	
112	(70)	SIGNED	4	TCPPSENDFLAGS	Send Flags EQU X'FFFFFFF8' Reserved (29 bits)
		.... .1..		TCPPSFMDNTRT	"X'00000004'" MSG_DONTROUTE FLAG (1 bit) EQU X'00000002' Reserved (1 bit)
		1		TCPPSFMOOB	"X'00000001'" MSG_OOB flag (1 bit)
				Comment	
				Declare recv bit flags mapped over TcppSRFlags	
				End of Comment	
112	(70)	SIGNED	4	TCPPRECVFLAGS	Recv Flags EQU X'FFFFFFFC' Reserved (30 bits)
		.... ..1.		TCPPREFMPEEK	"X'00000002'" MSG_PEEK Flag
		1		TCPPREFMOOB	"X'00000001'" MSG_OOB Flag
				Comment	
				Select:	
				End of Comment	
112	(70)	SIGNED	4	TCPPSELECT (0)	Select
112	(70)	SIGNED	4	TCPPSLNFDS	Current # Sockets per Path
116	(74)	BITSTRING	1	TCPPSLTOFLAGS	Timer Flags
		1...		TCPPSLTOQUICK	"X'80'" No wait if on EQU X'7F' Reserved (7 bits)
117	(75)	BITSTRING	1	TCPPSLFLAGS	Select flags EQU X'80' Reserved - do not use
		.1..		TCPPSLREADFDS	"X'40'" Readfds flags
		..1.		TCPPSLWRITEFDS	"X'20'" Writefds flags
		...1		TCPPSLEXCEPTFDS	"X'10'" Exceptfds flags EQU X'0F' Reserved (4 bits)
118	(76)	BITSTRING	1	TCPPSLRETFLAGS	Select Return Flags EQU X'80' Reserved - do not use
		.1..		TCPPSLRETREADFDS	"X'40'" Return Readfds flags
		..1.		TCPPSLRETWRITEFDS	"X'20'" Return Writefds flags
		...1		TCPPSLRETEXCEPTFDS	"X'10'" Return Exceptfds flags EQU X'0F' Reserved (4 bits)
119	(77)	CHARACTER	1	TCPPRESERVED1	Reserved
120	(78)	ADDRESS	4	TCPPSLTBSIPTR	TBSI Ptr on Batch Select
				Comment	

				Poll Events	

				End of Comment	
124	(7C)	BITSTRING	2	TCPPPOLLEVENTS	Mapped by PollEvents (BPXYPOLL)

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

				Poll Returned Events	

				End of Comment	
126	(7E)	BITSTRING	2	TCPPPOLLREVENTS	
					Mapped by PollRevents (BPXYPOLL)
126	(7E)	X'10'	0	TCPPSELECT#LEN	
					"*-TCPPSELECT" Length of TCPPSELECT
				Comment	
				SetIBMSockOpt:	
				End of Comment	
112	(70)	SIGNED	4	TCPPSETISOCKOPT	
				(0)	
					SetIBMSockOpt
112	(70)	SIGNED	4	TCPPSISOLEVEL	
					Level
116	(74)	SIGNED	4	TCPPSISOOPTNAME	
					Option name
120	(78)	SIGNED	4	TCPPSISOOPTLEN	
					Option value length
124	(7C)	CHARACTER	32	TCPPSISOOPTVAL	
					Option value
124	(7C)	X'2C'	0	TCPPSETISOCKOPT#LEN	
					"*-TCPPSETISOCKOPT" Length of TCPPSETIBMSOCKOPT
				Comment	
				SetsockOpt:	
				End of Comment	
112	(70)	SIGNED	4	TCPPSETSOCKOPT	
				(0)	
					SetSockOpt
112	(70)	SIGNED	4	TCPPSSOLEVEL	Level
116	(74)	SIGNED	4	TCPPSSOOPTNAME	
					Option name
120	(78)	SIGNED	4	TCPPSSOOPTLEN	
					Option value length
124	(7C)	CHARACTER	8	TCPPSSOOPTVAL	
					Option value
124	(7C)	X'14'	0	TCPPSETSOCKOPT#LEN	
					"*-TCPPSETSOCKOPT" Length of TCPPSETSOCKOPT
				Comment	
				Shutdown:	
				End of Comment	
112	(70)	SIGNED	4	TCPPSHUTDOWN	Shutdown
				(0)	
112	(70)	SIGNED	4	TCPPSHHOW	Shutdown flags
112	(70)	X'4'	0	TCPPSHUTDOWN#LEN	
					"*-TCPPSHUTDOWN" Length of TCPPSHUTDOWN

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
Socket:					
				End of Comment	
112	(70)	SIGNED	4	TCPPSOCKET (0)	Socket
112	(70)	SIGNED	4	TCPPSODOMAIN	Domain of socket
116	(74)	SIGNED	4	TCPPSOTYPE	Type of socket
120	(78)	SIGNED	4	TCPPSOPROTOCOL	Protocol of socket
124	(7C)	SIGNED	4	TCPPSORETSOCKID	Returned: Socket Id
124	(7C)	X'10'	0	TCPPSOCKET#LEN	"*-TCPPSOCKET" Length of TCPPSOCKET
				Comment	
CONSTANTS					
				End of Comment	
124	(7C)	X'FFFFFF'	0	TCPP#REQUESTPATHID	"-1" IUCV Connect pathid for Tcp/Ip to assign
124	(7C)	X'FFFFFF'	0	TCPP#REQUESTSOCKID	"-1" Socket/Accept SockId to have Tcp/Ip assign SockId for the caller
128	(80)	CHARACTER	8	TCPP#OMVSNAME	OMVS Userid
128	(80)	X'7D0'	0	TCPP#MAXSOCKPERPATH	"2000" Maximum sockets per Tcp/Ip path
128	(80)	X'FFFF'	0	TCPP#MAXPAIDE	"65535" Maximum number of pathids used with subtask Id assignment in BPXTUNWK
				Comment	
Tcp/Ip PC Catcher Return Code Constants					
				End of Comment	
128	(80)	X'0'	0	TCPPARM#OK	"0" Request queued to processor
128	(80)	X'4'	0	TCPPARM#RESNOTAVAILABLE	"4" Tcp/Ip not able to field request due to resource contraints
128	(80)	X'8'	0	TCPPARM#BADTYPECODE	"8" Bad type code passed to PC routine
128	(80)	X'C'	0	TCPPARM#BADDATA	"12" Bad data passed to Tcp/Ip
128	(80)	X'10'	0	TCPPARM#UNEXPECTEDABEND	"16" Unexpected Abend in Tcp/Ip
				Comment	
TcppType constants:					
				End of Comment	
128	(80)	X'0'	0	TCPPTYPE#INITSEND	"0" INITIAL SEND
128	(80)	X'1'	0	TCPPTYPE#ACCEPT	"1" ACCEPT
128	(80)	X'2'	0	TCPPTYPE#BIND	"2" BIND
128	(80)	X'3'	0	TCPPTYPE#CLOSE	"3" CLOSE
128	(80)	X'4'	0	TCPPTYPE#CONNECT	"4" CONNECT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
128	(80)	X'5'	0	TCPPTYPE#FCNTL	"5" FCNTL
128	(80)	X'7'	0	TCPPTYPE#GETHOSTID	"7" GETHOSTID
128	(80)	X'8'	0	TCPPTYPE#GETHOSTNAME	"8" GETHOSTNAME
128	(80)	X'9'	0	TCPPTYPE#GETPEERNAME	"9" GETPEERNAME
128	(80)	X'A'	0	TCPPTYPE#GETSOCKNAME	"10" GETSOCKNAME
128	(80)	X'B'	0	TCPPTYPE#GETSOCKOPT	"11" GETSOCKOPT
128	(80)	X'C'	0	TCPPTYPE#IOCTL	"12" IOCTL
128	(80)	X'D'	0	TCPPTYPE#LISTEN	"13" LISTEN
128	(80)	X'E'	0	TCPPTYPE#PRIMEREAD	"14" PRIME FOR READ
128	(80)	X'F'	0	TCPPTYPE#PRIMEREADV	"15" PRIME FOR READV
128	(80)	X'10'	0	TCPPTYPE#PRIMERECV	"16" PRIME FOR RECV
128	(80)	X'11'	0	TCPPTYPE#PRIMERECVFROM	"17" PRIME " RECVFROM
128	(80)	X'12'	0	TCPPTYPE#PRIMERECVMSG	"18" PRIME " RECVMSG
128	(80)	X'13'	0	TCPPTYPE#READ	"19" READ
128	(80)	X'14'	0	TCPPTYPE#READV	"20" READV
128	(80)	X'15'	0	TCPPTYPE#RECV	"21" RECV
128	(80)	X'16'	0	TCPPTYPE#RECVFROM	"22" RECVFROM
128	(80)	X'17'	0	TCPPTYPE#RECVMSG	"23" RECVMSG
128	(80)	X'18'	0	TCPPTYPE#PRIMEWRITE	"24" PRIME FOR WRITE
128	(80)	X'19'	0	TCPPTYPE#PRIMEWRITEV	"25" PRIME FOR WRITEV
128	(80)	X'1A'	0	TCPPTYPE#PRIMESEND	"26" PRIME FOR SEND
128	(80)	X'1B'	0	TCPPTYPE#PRIMESENDTO	"27" PRIME FOR SENDTO
128	(80)	X'1C'	0	TCPPTYPE#PRIMESENDMSG	"28" PRIME SENDMSG
128	(80)	X'1D'	0	TCPPTYPE#WRITE	"29" WRITE
128	(80)	X'1E'	0	TCPPTYPE#WRITEV	"30" WRITEV
128	(80)	X'1F'	0	TCPPTYPE#SEND	"31" SEND
128	(80)	X'20'	0	TCPPTYPE#SENDTO	"32" SENDTO
128	(80)	X'21'	0	TCPPTYPE#SENDMSG	"33" SENDMSG
128	(80)	X'22'	0	TCPPTYPE#SETSOCKOPT	"34" SETSOCKOPT
128	(80)	X'23'	0	TCPPTYPE#SHUTDOWN	"35" SHUTDOWN
128	(80)	X'24'	0	TCPPTYPE#SOCKET	"36" SOCKET
128	(80)	X'25'	0	TCPPTYPE#SELECT	"37" SELECT WAIT

BPXYTCPP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
128	(80)	X'26'	0	TCPPTYPE#CANCEL	"38" CANCEL
128	(80)	X'27'	0	TCPPTYPE#IUCVCONNECT	"39" IUCV CONNECT
128	(80)	X'28'	0	TCPPTYPE#SEVER	"40" SEVER TYPE CODE
128	(80)	X'29'	0	TCPPTYPE#SELECTBATCH	"41" BATCH SELECT
128	(80)	X'2A'	0	TCPPTYPE#POLL	"42" POLL WAIT
128	(80)	X'2B'	0	TCPPTYPE#POLLBATCH	"43" BATCH POLL
128	(80)	X'2C'	0	TCPPTYPE#SETISOCKOPT	"44" SETIBMSOCKOPT

Comment

BPXYTCPP End

End of Comment

BPXYTCPP Cross Reference

Name	Hex Offset	Hex Value
TCPP#MAXHOSTNAMELEN	78	23
TCPP#MAXPAIDE	80	FFFF
TCPP#MAXSIOCGIFCONF	80	C80
TCPP#MAXSOCKPERPATH	80	7D0
TCPP#OMVSNAME	80	D6D4E5E2
TCPP#REQUESTPATHID	7C	FFFFFF
TCPP#REQUESTSOCKID	7C	FFFFFF
TCPPAASYNCIDXSAVE	88	
TCPPAASYNCTNODSAVE	8C	
TCPPACCEPT	70	
TCPPACCEPT#LEN	8C	24
TCPPAPATHID	70	
TCPPARETADDRNPLEN	74	
TCPPARETADDRNPORT	74	
TCPPARETSOCKID	84	
TCPPARM	0	
TCPPARM#BADDATA	80	C
TCPPARM#BADTYPECODE	80	8
TCPPARM#LEN	C0	D0
TCPPARM#OK	80	0
TCPPARM#RESNOTAVAILABLE	80	4
TCPPARM#UNEXPECTEDABEND	80	10
TCPPARMBEGIN	0	
TCPPASYTOK	B8	
TCPPBADDRNPLEN	70	
TCPPBADDRNPORT	70	
TCPPBIND	70	
TCPPBIND#LEN	70	10
TCPPCALLERSPID	20	0
TCPPCANCEL	AC	
TCPPCLMSGID	B4	
TCPPCLSLDESCSS	B0	
TCPPCLSOCKID	B0	
TCPPCLTRGCLS	AC	
TCPPCOADDRNPLEN	70	
TCPPCOADDRNPORT	70	
TCPPCONNECT	70	
TCPPCONNECT#LEN	70	10
TCPPCSWAPCTR	10	0
TCPPERRNO	6C	0
TCPPEYE	0	E3C3D7D7
TCPPFARGUMENT	74	
TCPPFCNTL	70	
TCPPFCNTL#LEN	74	8
TCPPFCOMMAND	70	
TCPPFLAGS	18	
TCPPGARBQNEXTPTR	4	
TCPPGETHOSTNAME	70	
TCPPGETHOSTNAME#LEN	78	2B

Name	Hex Offset	Hex Value
TCPPGETPEERNAME	70	
TCPPGETPEERNAME#LEN	70	10
TCPPGETSOCKNAME	70	
TCPPGETSOCKNAME#LEN	70	10
TCPPGETSOCKOPT	70	
TCPPGETSOCKOPT#LEN	84	18
TCPPGHOSTNAMELEN	70	
TCPPGOODCANCEL	18	20
TCPPGPRETADDRNPLEN	70	
TCPPGPRETADDRNPORT	70	
TCPPGRETHOSTNAME	78	
TCPPGRETHOSTNAMELEN	74	
TCPPGSOLEVEL	70	
TCPPGSOOPTLEN	78	
TCPPGSOOPTNAME	74	
TCPPGSORETOPTLEN	84	
TCPPGSORETOPTVALUE	7C	
TCPPGSRETADDRNPLEN	70	
TCPPGSRETADDRNPORT	70	
TCPPHOMEPTR	C	
TCPPIARGP	78	
TCPPIARGPLEN	74	
TCPPIFCLEN	78	
TCPPIFRIFRU	7C	
TCPPINITSEND	70	
TCPPINITSEND#LEN	7C	10
TCPPIOCTL	70	
TCPPIOCTL#LEN	78	38
TCPPIOCTLARGP	78	
TCPPIPWORKAREA	40	
TCPPIREQUESTTYPE	70	
TCPPIRETARGP	78	
TCPPIRETARGPLEN	74	
TCPPIRETIFCADDR	78	
TCPPIRETIFCLEN	7C	
TCPPIRETIOCTLARGP	78	
TCPPIRETWAADDR	80	
TCPPIUCV#LEN	7C	10
TCPPIUCVCONNECT	70	
TCPPIWAADDR	80	
TCPPLBACKLOGCT	70	
TCPPLEN	4	
TCPPLISTEN	70	
TCPPLISTEN#LEN	70	4
TCPPMSGID	14	
TCPPNOIOCTL	18	80
TCPPPATHID	60	
TCPPPOLLEVENTS	7C	
TCPPPOLLREVENTS	7E	
TCPPRCSOCKPERPATH	78	
TCPPRCUSERID	70	
TCPPRECVFLAGS	70	
TCPPREFMOOB	70	1
TCPPREFMPEEK	70	2
TCPPRESERVED1	77	
TCPPRESERVED7	19	
TCPPRETCODE	68	0
TCPPRISOCKPERPATH	78	
TCPPRRETPATHID	7C	
TCPPRRETSOCKPERPATH	7C	
TCPPRSUBTASKID	70	
TCPPSELECT	70	
TCPPSELECT#LEN	7E	10
TCPPSENDFLAGS	70	
TCPPSETISOCKOPT	70	
TCPPSETISOCKOPT#LEN	7C	2C
TCPPSETSOCKOPT	70	
TCPPSETSOCKOPT#LEN	7C	14
TCPPSEVER	70	
TCPPSEVER#LEN	70	8
TCPPSFMDNTRT	70	4
TCPPSFMOOB	70	1
TCPPSFSMALL	95	80
TCPPSHHOW	70	
TCPPSHUTDOWN	70	
TCPPSHUTDOWN#LEN	70	4
TCPPSISOLEVEL	70	
TCPPSISOOPTLEN	78	0
TCPPSISOOPTNAME		

Name	Hex Offset	Hex Value
	74	
TCPPSISOOPTVAL		
	7C	
TCPPSLEXCEPTFDS		
	75	10
TCPPSLFLAGS	75	0
TCPPSLNFDS	70	0
TCPPSLREADFDS		
	75	40
TCPPSLRETEXCEPTFDS		
	76	10
TCPPSLRETFLAGS		
	76	0
TCPPSLRETREADFDS		
	76	40
TCPPSLRETWRITEFDS		
	76	20
TCPPSLTBSIPTR		
	78	
TCPPSLTOFLAGS		
	74	
TCPPSLTOQUICK		
	74	80
TCPPSLWRITEFDS		
	75	20
TCPPSNDRECV	70	
TCPPSNDRECV#LEN		
	A0	34
TCPPSOCKET	70	
TCPPSOCKET#LEN		
	7C	10
TCPPSOCKETTOKEN		
	60	
TCPPSOCKID	64	
TCPPSODOMAIN	70	0
TCPPSOPROTOCOL		
	78	0
TCPPSORETSOCKID		
	7C	0
TCPPSOTYPE	74	0
TCPPSPECIFIC	70	
TCPPSRADDR	88	
TCPPSRADDRNPLEN		
	74	
TCPPSRADDRNPORT		
	74	
TCPPSRBSCHED	18	40
TCPPSRBUFFALET		
	90	0
TCPPSRBULK	95	2
TCPPSRDOFLUSH		
	95	10
TCPPSRFLAGS	70	0
TCPPSRFLUSH	95	40
TCPPSRKEY	94	
TCPPSRKEY4	94	F0
TCPPSRLEN	84	
TCPPSRMSGHCTRUNC		
	A0	20
TCPPSRMSGHEOR		
	A0	8
TCPPSRMSGHFLAGS		
	A0	0
TCPPSRMSGHOOB		
	A0	1
TCPPSRMSGHTRUNC		
	A0	10
TCPPSRNOPRIMECK		
	95	4
TCPPSRRESERV	96	
TCPPSRRETLEN	98	0
TCPPSRRETSMFRECCNT		
	9C	0
TCPPSRSENDEND		
	95	20
TCPPSRTFLAGS	95	0
TCPPSRVECTADDR		
	88	0
TCPPSRVECTALET		
	8C	0
TCPPSRVECTCNT		
	84	0
TCPPSRZEROBYTES		
	95	8
TCPPSSOLEVEL	70	
TCPPSSOOPTLEN		
	78	0
TCPPSSOOPTNAME		
	74	
TCPPSSOOPTVAL		
	7C	
TCPPSUSERID	70	
TCPPTRGCLS	24	
TCPPTYPE	8	0
TCPPTYPE#ACCEPT		
	80	1
TCPPTYPE#BIND		
	80	2
TCPPTYPE#CANCEL		
	80	26
TCPPTYPE#CLOSE		
	80	3
TCPPTYPE#CONNECT		
	80	4
TCPPTYPE#FCNTL		
	80	5
TCPPTYPE#GETHOSTID		
	80	7
TCPPTYPE#GETHOSTNAME		
	80	8
TCPPTYPE#GETPEERNAME		
	80	9
TCPPTYPE#GETSOCKNAME		
	80	A
TCPPTYPE#GETSOCKOPT		
	80	B
TCPPTYPE#INITSEND		
	80	0
TCPPTYPE#IOCTL		
	80	C
TCPPTYPE#IUCVCONNECT		
	80	27
TCPPTYPE#LISTEN		
	80	D
TCPPTYPE#POLL		
	80	2A
TCPPTYPE#POLLBATCH		
	80	2B
TCPPTYPE#PRIMEREAD		
	80	E

Name	Hex Offset	Hex Value
TCPPTYPE#PRIMEREADV		
	80	F
TCPPTYPE#PRIMERECV		
	80	10
TCPPTYPE#PRIMERECVFROM		
	80	11
TCPPTYPE#PRIMERECVMSG		
	80	12
TCPPTYPE#PRIMESEND		
	80	1A
TCPPTYPE#PRIMESENDMSG		
	80	1C
TCPPTYPE#PRIMESENDTO		
	80	1B
TCPPTYPE#PRIMEWRITE		
	80	18
TCPPTYPE#PRIMEWRITEV		
	80	19
TCPPTYPE#READ		
	80	13
TCPPTYPE#READV		
	80	14
TCPPTYPE#RECV		
	80	15
TCPPTYPE#RECVFROM		
	80	16
TCPPTYPE#RECVMSG		
	80	17
TCPPTYPE#SELECT		
	80	25
TCPPTYPE#SELECTBATCH		
	80	29
TCPPTYPE#SEND		
	80	1F
TCPPTYPE#SENDMSG		
	80	21
TCPPTYPE#SENDTO		
	80	20
TCPPTYPE#SETISOCKOPT		
	80	2C
TCPPTYPE#SETSOCKOPT		
	80	22
TCPPTYPE#SEVER		
	80	28
TCPPTYPE#SHUTDOWN		
	80	23
TCPPTYPE#SOCKET		
	80	24
TCPPTYPE#WRITE		
	80	1D
TCPPTYPE#WRITEV		
	80	1E
TCPPWPTOKEN	28	

BPXYTCPX Programming Interface information

Programming Interface information

BPXYTCPX

End of Programming Interface information

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BPXYTCPX Heading Information

Common Name: TCP Initialization Parameter list
Macro ID: BPXYTCPX
DSECT Name: TcpXParm
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: TCPX
Offset: 0
Length: 4
Storage Attributes: Subpool: Dataspace
Key: 0
Residency: Inet Sockets dataspace
Size: TcpXParm#Len
Created by: Tcp/Ip caller (See the BPXXTCP macro)
Pointed to by: TcpXParmPtr
Serialization: None
Function: The TcpXParm maps the parameter list that is passed to Tcp/Ip for initialization of the Tcp/IP-OE Sockets connection

BPXYTCPX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	TCPXPARM	,
0	(0)	DBL WORD	8	TCPXPARMBEGIN (0)	
				Comment	
				TcpXParm Assembler Declarations TcpXParm Header	
				End of Comment	
0	(0)	SIGNED	4	TCPXHEADER (0)	Header
0	(0)	CHARACTER	4	TCPXEYE	Eye Catcher
4	(4)	ADDRESS	4	TCPXLEN	Length of the structure
8	(8)	SIGNED	4	TCPXBODY (0)	Body
8	(8)	SIGNED	4	TCPXEXTOKEN	Token to be passed back to Tcp/IP in the reg 2 of PC
12	(C)	SIGNED	2	TCPXAXNUMBER	Ax value for Tcp/Ip AS
14	(E)	SIGNED	2	TCPXRESV1	RESERVED
16	(10)	SIGNED	4	TCPXLXNUMBER	Lx value for Tcp/Ip AS
20	(14)	SIGNED	4	TCPXETTOKEN	Et Token for Tcp/Ip AS
24	(18)	ADDRESS	4	TCPXASCBPTR	Pointer to Ascb of Tcp/Ip AS
28	(1C)	ADDRESS	4	TCPXECBPTR	Miscellaneous Ecb Ptr
				Comment	
				Constants used in the Header	
				End of Comment	
28	(1C)	X'20'	0	TCPXPARM#LEN	"*-TCPXPARM" Constant - Length of TcpXParm
				Comment	
				TcpXReturn	
				End of Comment	
8	(8)	SIGNED	4	TCPXRETURN (0)	Area returned by OE to Tcp
8	(8)	CHARACTER	8	TCPXSOCKETSTOKEN	Dataspace Stoken
16	(10)	SIGNED	4	TCPXTCPPGARBQPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
16	(10)	X'C'	0	TCPXRETURN#LEN	TcpParm Garbage (Free) Q "*-TCPXRETURN" Length of TCPXRETURN

Comment

BPXYTCPX End

End of Comment

BPXYTCPX Cross Reference

Name	Hex Offset	Hex Value
TCPXASCBPTR	18	
TCPXAXNUMBER	C	
TCPXBODY	8	
TCPXECBPTR	1C	
TCPXETTOKEN	14	
TCPXEXTOKEN	8	
TCPXEYE	0	E3C3D7E7
TCPXHEADER	0	
TCPXLEN	4	
TCPXLXNUMBER	10	
TCPXPARM	0	
TCPXPARM#LEN	1C	20
TCPXPARMBEGIN	0	
TCPXRESV1	E	
TCPXRETURN	8	
TCPXRETURN#LEN	10	C
TCPXSOCKETSTOKEN	8	
TCPXTCPPGARBQPTR	10	

BPXZOAPB Programming Interface information

Programming Interface information

BPXZOAPB

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

- OapbDefaultGroupid
- OapbDefaultGroupidLen
- OapbDefaultUserid
- OapbDefaultUseridLen

End of Programming Interface information

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BPXZOAPB Heading Information

Common Name: OpenMVS address space per-process extension
Macro ID: BPXZOAPB
DSECT Name: N/A
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: OAPB
Offset: 0
Length: 4
Storage Attributes: Subpool: 241
Key: 0, non fetch protected
Residency: ECSA
Size: Release dependent. Refer to the mapping.
OAPB -- X'0198' bytes
Created by: OpenMVS Process Initialization (BPXPRIN1)
Pointed to by: 1) OtcbOapb, PprpOapb
Serialization: N/A
Function: This maps the OpenMVS extension to the ASSB.

BPXZOAPB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	OAPB	
0	(0)	CHARACTER	256	OAPB1	
256	(100)	CHARACTER	20	OAPB2	
256	(100)	SIGNED	1	OAPBDEFAULTUSERIDLEN	Length of default userid
257	(101)	CHARACTER	8	OAPBDEFAULTUSERID	Default userid
265	(109)	SIGNED	1	OAPBDEFAULTGROUPIDLEN	Length default groupid
266	(10A)	CHARACTER	8	OAPBDEFAULTGROUPID	Default groupid
274	(112)	CHARACTER	2		reserved
276	(114)	CHARACTER	132	OAPB3	
276	(114)	X'198'	0	OAPB_LEN	"*-OAPB"

BPXZOAPB Cross Reference

Name	Hex Offset	Hex Value
OAPB	0	
OAPB_LEN	114	198
OAPBDEFAULTGROUPID	10A	
OAPBDEFAULTGROUPIDLEN	109	
OAPBDEFAULTUSERID	101	
OAPBDEFAULTUSERIDLEN	100	
OAPB1	0	
OAPB2	100	
OAPB3	114	

BPXZODMV Programming Interface information

Programming Interface information

BPXZODMV

End of Programming Interface information

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BPXZODMV Heading Information

Common Name: OpenMVS Display Command Interface
Macro ID: BPXZODMV
DSECT Name: BPXZODMV
Owning Component: OpenMVS (SCPX1)
Eye-Catcher ID: ODMV
Offset: 0
Length: 4
Storage Attributes: Residency: Data Space
Size: Release dependent. Refer to the mapping.
ODMVSOCKET -- X'0090' bytes
ODMVDYNSERV -- X'0014' bytes
ODMVDYNACT -- X'0070' bytes
ODMVDYNACTITEM -- X'0008' bytes
ODMVMFHEADER -- X'001C' bytes
ODMVMFENTRY -- X'00F0' bytes
ODMVIPV6 -- X'0010' bytes
ODMVCINET6 -- X'0044' bytes
ODMVDWHEADER -- X'0034' bytes
ODMVDWELEMENT -- X'01CD' bytes
ODMVSERHDR -- X'000C' bytes
ODMVSEROBJ -- X'0028' bytes
ODMVSERREQ -- X'001C' bytes
ODMVEXTOPTIONSDATA -- X'0028' bytes
ODMVSYSL -- X'0078' bytes
ODMVPRCL -- X'00AC' bytes
ODMV -- X'0060' bytes
ODMVOUT -- X'0660' bytes
ODMVOUTARRAY -- X'0004' bytes
ODMVTHDARRAY -- X'0004' bytes
ODMVFILE -- X'0234' bytes
ODMVPROCESS -- X'00A4' bytes
ODMVTHREADS -- X'00AC' bytes
ODMVPFS -- X'00EC' bytes
ODMVCINET -- X'0044' bytes
Created by: Display OMVS Command (BPXOMAST)
Pointed to by: Pointer passed as input parameter.
Serialization: None
Function: This file contains the mapping of the DISPLAY OMVS interface between BPXOMAST, BPXAMRMF and BPXODMVS

BPXZODMV Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMV	
0	(0)	CHARACTER	4	ODMVID	EBCDIC ID - ODMV
4	(4)	ADDRESS	4	ODMVOUTPTR	Address of Output area ODMVOUT

Comment

Input parm area supplied to BPXEKDA

End of Comment

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	CHARACTER	88	ODMVINPUTPARMS	Input parameters
8	(8)	BITSTRING	4	ODMVINFLAGS	Input Flags (Non-mutually exclusive)
8	(8)	BITSTRING	1	ODMVINBYTE1	
				Comment	
				Bit definitions:	
				End of Comment	
		1...		ODMVSUMMARY	"X'80'" Summary specified or defaulted
		.1..		ODMVBRLS	"X'40'" Byte Range Lock Wait for
				Comment	
				Process. Only processed when OdmvPIDs=On	
				End of Comment	
		..1.		ODMVRESETSYSLHW	"X'20'" Reset Highwatermark of System before gathering limit data
12	(C)	BITSTRING	4	ODMVINFLAGSM	Mutually Exclusive Input Flags
12	(C)	BITSTRING	1	ODMVINBYTEM1	
				Comment	
				Bit definitions:	
				End of Comment	
		1...		ODMVFILES	"X'80'" FILE operand specified
		.1..		ODMVASIDALLS	"X'40'" ASID=ALL or VSERVER specified
		..1.		ODMVASIDS	"X'20'" ASID specified and not ALL
		...1		ODMVUS	"X'10'" User Name specified
		.... 1...		ODMVVSERVER	"X'08'" VSERVER Specified
		.... .1..		ODMVOPTIONS	"X'04'" OPTIONS specified
		.... ..1.		ODMVPIDS	"X'02'" PID specified
		1		ODMVPFSBIT	"X'01'" PFS operand specified
13	(D)	BITSTRING	1	ODMVINBYTEM2	
				Comment	
				Bit definitions:	
				End of Comment	
		1...		ODMVCINETALL	"X'80'" CINET=ALL specified
		.1..		ODMVCINETTP	"X'40'" CINET=tpname specified
		..1.		ODMVLIMITS	"X'20'" LIMITS specified. Gathers
				Comment	
				System or Process Limit Data. PID is set in OdmvPidParm then Process Limits are returned, else Sustem Limits.	
				End of Comment	
		...1		ODMVSER	"X'10'" SER specified. Gathers USS Serialization data
		.... 1...		ODMVSHORTMF	"X'08'" MF specified
		.... .1..		ODMVALLMF	"X'04'" MF=ALL specified
		.... ..1.		ODMVPURGEMF	"X'02'" MF=PURGE specified
		1		ODMVACTSERV	"X'01'" ACTIVATE=SERVICE
14	(E)	BITSTRING	1	ODMVINBYTEM3	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
Bit definitions:					
				End of Comment	
		1...		ODMVSOCKETS	"X'80'" SOCKETS specified
		.1..		ODMVWAITERS	"X'40'" D OMVS,WAITERS
		..1.		ODMVOWNER	"X'20'" D OMVS,F,OWNER=
		...1		ODMVTYPE	"X'10'" D OMVS,F,TYPE=
		.... 1...		ODMVNAME	"X'08'" D OMVS,F,NAME=
		.... .1..		ODMVEXCEPTION	"X'04'" D OMVS,F,EXCEPTION
		.... ..1.		ODMVADUBWS	"X'02'" D OMVS,ASID=DUBW
15	(F)	BITSTRING	1	ODMVINBYTEM4	
16	(10)	SIGNED	4	ODMVPIDPARM	PID valid when OdmvPIDs=On
20	(14)	SIGNED	2	ODMVASIDPARM	ASID valid when OdmvASIDs=On
22	(16)	CHARACTER	8	ODMVUPARM	User name valid when OdmvUd=On or sysname when OdmvOwner or type when OdmvType
30	(1E)	CHARACTER	8	ODMVCINETTPNAME	When OdmvCinetTP, this field holds tpname
38	(26)	CHARACTER	44	ODMVUPARM2	Filename valid when OdmvName is given
82	(52)	CHARACTER	10	ODMVRESERVED1	Reserved
92	(5C)	CHARACTER	1	ODMVINPUTEND (0)	End of Input Block
96	(60)	X'60'	0	ODMV_LEN	"*-ODMV"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVOUT	
0	(0)	SIGNED	4	ODMVVERNUM	Version Number of Output Area
4	(4)	CHARACTER	52	ODMVSUMMARYDATA	Summary data returned on all invocations
4	(4)	CHARACTER	8	ODMVOMVSPROC	OMVS Procedure name
12	(C)	SIGNED	4	ODMVGEN01	
12	(C)	SIGNED	2	ODMVGEN02	
14	(E)	SIGNED	2	ODMVKERNELASID	Kernel's address space
16	(10)	CHARACTER	40	ODMVPARMMEMLIST	List of OMVS Parmlib member suffixes (XX,YY,ZZ,..)
56	(38)	CHARACTER	1060	ODMVOPTIONSDATA	Options data returned for OdmvOptions
56	(38)	SIGNED	4	ODMVMAXPROCSYS	Max processes on system
60	(3C)	SIGNED	4	ODMVCHILDMAX	Max processes per User ID
64	(40)	SIGNED	4	ODMVMAXFILEPROC	Max number of allocated files for a single process
68	(44)	SIGNED	4	ODMVMAXFILESIZE	Max file size
72	(48)	SIGNED	4	ODMVMAXCPUTIME	Max CPU time
76	(4C)	SIGNED	4	ODMVMAXUSERS	Max number of users on system
80	(50)	SIGNED	4	ODMVMAXRTYS	Max number of remote-terminal sessions
84	(54)	SIGNED	4	ODMVMAXPTYS	Max number of pseudo-terminal sessions
88	(58)	SIGNED	4	ODMVMAXMMAPAREA	Max size of Memory Map Area in PAGES
92	(5C)	SIGNED	4	ODMVMAXASSIZE	Max address space size
96	(60)	SIGNED	4	ODMVMAXTHREADS	Max # of Threads
100	(64)	SIGNED	4	ODMVMAXTHREADTASKS	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Max number of tasks running Pthreads per process
104	(68)	SIGNED	4	ODMVMAXCORESIZE	
					Max core size
108	(6C)	SIGNED	4	ODMVMAXSHRPAGES	
					Maximum number of pages that can be in a shared relationship in the system
112	(70)	SIGNED	4	ODMVMAXMSGNIDS	
					Max system message queue IDs
116	(74)	SIGNED	4	ODMVMAXMSGQBYTES	
					Max bytes per message queue
120	(78)	SIGNED	4	ODMVMAXMSGQMNUM	
					Max messages per queue
124	(7C)	SIGNED	4	ODMVMAXSHMNIDS	
					Max system shared memory IDs
128	(80)	SIGNED	4	ODMVMAXSHMSPAGES	
					Max system shared memory pages for all segements
132	(84)	SIGNED	4	ODMVMAXSHMMPAGES	
					Max shared memory pages per segment
136	(88)	SIGNED	4	ODMVMAXSHMNSEGS	
					Max shared memory segments per process
140	(8C)	SIGNED	4	ODMVMAXSEMNIDS	
					Max system semaphore IDs
144	(90)	SIGNED	4	ODMVMAXSEMNSEMS	
					Max number of semaphores per semaphore set
148	(94)	SIGNED	4	ODMVMAXSEMNOPS	
					Max number of operations per BPX1SOP (SEMOP) call
152	(98)	CHARACTER	8	ODMVSUPERUSER	
					SuperUser
160	(A0)	BITSTRING	1	ODMVSTEPLIBLISTLEN	
					Length of STEPLIB name
161	(A1)	CHARACTER	255	ODMVSTEPLIBLIST	
					Name of STEPLIB dataset
416	(1A0)	BITSTRING	1	ODMVSETPPGCNT	
					Priority PG count
417	(1A1)	BITSTRING	1	ODMVSETPGOALCNT	
					Priority Goal count
418	(1A2)	BITSTRING	1	ODMVUSERIDTABLELEN	
					Length of table name
419	(1A3)	CHARACTER	2	ODMVRESERVED02	
					Reserved
421	(1A5)	CHARACTER	255	ODMVUSERIDTABLE	
					Name of Userid table
676	(2A4)	SIGNED	2	ODMVPRIORITYPG	
					performance group numbers for compatibility mode 40 possible entries
756	(2F4)	CHARACTER	4	ODMVRESERVED10	
					Reserved
760	(2F8)	CHARACTER	1	ODMVGEN04 (0)	Ensure array on DWD
760	(2F8)	CHARACTER	8	ODMVPRIORITYGOAL	
					service classes for goal mode 40 possible entries
1080	(438)	CHARACTER	4	RESERVED09	Reserved
1084	(43C)	CHARACTER	8	ODMVTTYGROUP	TTY Group name
1092	(444)	SIGNED	4	ODMVMAXQUEUEDSIGS	
					MaxQueuedSigs from Optn
1096	(448)	SIGNED	4	ODMVSHRLIBRGNSIZE	
					ShrLibRgnSize from Optn
1100	(44C)	SIGNED	4	ODMVSHRLIBMAXPAGES	
					ShrLibMaxPages from Optn
1104	(450)	CHARACTER	8	ODMVVERSION	OS/390 Version String
1112	(458)	SIGNED	4	ODMVFLAGWORD01	
					Flag word
1112	(458)	BITSTRING	1	ODMVFLAGBYTE01	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
		Bit definitions:			
				End of Comment	
		1...		ODMVFORKCOPY	"X'80'" ON = Copy parent data to child at the time of fork, OFF= Use Copy-on-Write for parent data (Default)
		.1..		ODMVSYSCALL_COUNTS	"X'40'" ON = counts being traced OFF= counts not being done
		..1.		ODMVSYSPLEX	"X'20'" ON= IPLed sysplex = Y OFF= local system
		...1		ODMVSETPEXIST	"X'10'" If SETP was created
		.... 1...		ODMVLIMMSGSYS	"X'08'" Level of warning messages for
		.... .1..		ODMVLIMMSGPROC	"X'04'" reached limits. Can be SYS=OFF PROC=OFF is NONE SYS=ON PROC=OFF is SYSTEM SYS=ON PROC=ON is ALL
		.... ..1.		ODMVAUTOCVT	"X'02'" AutoCvt On or Off
		1		ODMVSWAABOVE	"X'01'" SWA above if on
1113	(459)	BITSTRING	1	ODMVFLAGBYTE02	
				Comment	
		Bit definitions:			
				End of Comment	
		1...		ODMVMAXCORESIZEBIN	"X'80'" MaxCoreSize type On = BinMult, Off = Bin
1116	(45C)	CHARACTER	100	ODMVSECONDARYDATA	Secondary Output Data
1116	(45C)	SIGNED	4	ODMVOUTARRAYSIZE	Number of entries in secondary output data pointer array
1120	(460)	ADDRESS	4	ODMVOUTARRAYPTR	Address of output data pointer array
1124	(464)	SIGNED	4	ODMVTHDARRAYSIZE	Number of entries in output thread data pointer array
1128	(468)	ADDRESS	4	ODMVTHDARRAYPTR	Address of thread data pointer array
1132	(46C)	CHARACTER	12	ODMVPFSCOUNTS	Counts of PFS Array entries
1132	(46C)	SIGNED	4	ODMVPFSTYPECOUNT	Number of PFS 'type' entries
1136	(470)	SIGNED	4	ODMVPFSNAMECOUNT	Number of PFS 'name' entries
1140	(474)	SIGNED	4	ODMVPFSPARMCOUNT	Number of Parm entries
1144	(478)	CHARACTER	12	ODMVCINETCOUNTS	Counts of CINET Array entries
1144	(478)	SIGNED	4	ODMVCINETHOMECNT	Number of CINET home entries
1148	(47C)	SIGNED	4	ODMVCINETHOSTCNT	Number of CINET host entries
1152	(480)	SIGNED	4	ODMVCINETNETWCNT	Number of CINET netw entries
1156	(484)	SIGNED	4	ODMVFLAGWORD02	Flag word
				Comment	
		Bit definitions:			
				End of Comment	
		1...		ODMVPARTIAL	"X'80'" Partial thread data

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.1..		ODMVSYSLIMITS	
					"X'40'" Sytem Limits returned
		..1.		ODMVPRCLIMITS	
					"X'20'" Process Limits returned
1160	(488)	CHARACTER	8	ODMVBRLMSRV	ByterangelockMgr Server
1168	(490)	ADDRESS	4	ODMVLIMITSPTR	
					Address of limits data pointer When OdmvSysLimits is on it points to a structure OdmvSysL. When OdmvPrcLimits is on it points to a structure OdmvPrcL
1172	(494)	ADDRESS	4	ODMVEXTOPTDATAPTR	
					Address of pointer to the Extended Options Dat
1176	(498)	ADDRESS	4	ODMVIPV6PTR	Address of pointer to the OdmvIpv6 structure
1180	(49C)	ADDRESS	4	ODMVSERPTR	Address of serialization data header OdmvSerHdr
1184	(4A0)	ADDRESS	4	ODMVDYNSERVPTR	
					Address of ACTIVATE=SERVICE Data header OdmvDynServ
1188	(4A4)	CHARACTER	28	ODMVRESERVED11	
					Reserved for future extensions. Consider adding only pointers to structures here!
1216	(4C0)	CHARACTER	416	ODMVRESERVEDDATA	
					Reserved Output Area for Operating System Usage
1216	(4C0)	CHARACTER	8	ODMVCBGEN06	Address of output area
1216	(4C0)	CHARACTER	8	ODMVOUTPUTALETADDR	
					Assembler users can use this
1216	(4C0)	SIGNED	4	ODMVOUTPUTALET	
1220	(4C4)	ADDRESS	4	ODMVOUTPUTADDR	
1224	(4C8)	CHARACTER	8	ODMVSTOKEN	Stoken of Data Space
1232	(4D0)	ADDRESS	4	ODMVODCA	Address of Odca
1236	(4D4)	SIGNED	4	ODMVRETCODE	Return Code from BPXODMVS
1240	(4D8)	SIGNED	4	ODMVCINETMSGNUM	
					Error Message Number
1244	(4DC)	SIGNED	4	ODMVFLAGWORD03	
					Flag word

Comment

Bit definitions:

End of Comment

		1...		ODMVCAPS	"X'80'" CAPS Specified on D OMVS
1248	(4E0)	ADDRESS	4	ODMVPROTPGPTR	
					Ptr. to begin of prot. Pg.
1252	(4E4)	BITSTRING	1	ODMVAUTHPGMLISTLEN	
					Length of Authpgm name
1253	(4E5)	CHARACTER	255	ODMVAUTHPGMLIST	
					Name of Authpgm dataset
1508	(5E4)	BITSTRING	1	ODMVSERVLINKLIBLEN	
					Length of Serv_Linklib DS
1509	(5E5)	CHARACTER	44	ODMVSERVLINKLIB	
					Name of Serv_Linklib DS
1553	(611)	BITSTRING	1	ODMVSERVLPALIBLEN	
					Length of Serv_Lpalib DS
1554	(612)	CHARACTER	44	ODMVSERVLPALIB	
					Name of Serv_Lpalib DS
1598	(63E)	BITSTRING	1	ODMVSERVLINKLIBVOLLEN	
					Length of Serv_Lpalib DS
1599	(63F)	CHARACTER	6	ODMVSERVLINKLIBVOL	
					Name of Serv_Lpalib DS
1605	(645)	BITSTRING	1	ODMVSERVLPALIBVOLLEN	
					Length of Serv_Lpalib DS
1606	(646)	CHARACTER	6	ODMVSERVLPALIBVOL	
					Name of Serv_Lpalib DS
1612	(64C)	SIGNED	2	ODMVCINETPORT	
					INADDRANYPORT
1614	(64E)	SIGNED	2	ODMVCINETCOUNT	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					INADDRANYCOUNT
1616	(650)	CHARACTER	16	ODMVRESERVED03	
					reserved
1632	(660)	CHARACTER	1	ODMVEND (0)	End of Block
1632	(660)	X'660'	0	ODMVOUT_LEN	"*-ODMVOUT"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVOUTARRAY	
0	(0)	ADDRESS	4	ODMVOUTARRAYELEMPTR	
0	(0)	X'4'	0	ODMVOUTARRAY_LEN	
					"*-ODMVOUTARRAY"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVTHDARRAY	
0	(0)	ADDRESS	4	ODMVTHDARRAYELEMPTR	
0	(0)	X'4'	0	ODMVTHDARRAY_LEN	
					"*-ODMVTHDARRAY"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVFILE	
0	(0)	SIGNED	4	ODMVDEVICE	Device Name the st_dev value that is returned by the stat system call for each file in the file system.
4	(4)	CHARACTER	8	ODMVTYPENAME	File System Type name from the FILESYSTYPE parmlib statement
12	(C)	SIGNED	4	ODMVSTATUS	Status matches MSG BPXO45Ie 1= FORCE UNMOUNT 2= DRAIN UNMOUNT 3= IMMEDIATE UNMOUNT 4= NORMAL UNMOUNT 5= RESET UNMOUNT 6= IMMEDIATE UNMOUNT ATTEMPTED 7= ACTIVE 8= QUIESCED 9= NOT ACTIVE 10= MOUNT IN PROGRESS 11= ASYNCH MOUNT IN PROGRESS 12= IN RECOVERY 13= UNOWNED
16	(10)	CHARACTER	8	ODMVQJOBNAME	Quiesce Job Name
24	(18)	SIGNED	4	ODMVQPID	Quiesce Process ID
28	(1C)	SIGNED	4	ODMVMOUNTMODE	
					Mount mode for filesystem 1 = R/W, 2 = R/O
32	(20)	CHARACTER	44	ODMVFSNAME	File System name for PDSE/X
76	(4C)	CHARACTER	63	ODMVPATH	Path or Directory name converted to upper case characters
139	(8B)	CHARACTER	57	ODMVMOUNTPARM	
					Mount parm truncated and optionally converted to upper case
196	(C4)	CHARACTER	8	ODMVFSOWNER	FS Owner name
204	(CC)	SIGNED	4	ODMVFSNOAUTOMOVE	
					1 = fs is AUTOMOVEable 2 = fs is Not AUTOMOVEable
208	(D0)	CHARACTER	8	ODMVQSYSTEM	Quiesce system
216	(D8)	SIGNED	4	ODMVFSCLIENT	1 = Yes is a client 2 = No is not a client
220	(DC)	CHARACTER	4	ODMVFSFILETAG	
					Mount TAG data @DNC
224	(E0)	CHARACTER	260	ODMVSYSLIST	System list
224	(E0)	SIGNED	2	ODMVSLNUM	Number of systems in list
226	(E2)	SIGNED	2		
228	(E4)	CHARACTER	8	ODMVSLNAME	System names
484	(1E4)	CHARACTER	44	ODMVAGGNAME	Aggregate Name
528	(210)	CHARACTER	8	ODMVROSECL	ROSeclabel
536	(218)	SIGNED	4	ODMVFSLATNUM	File System Latch Number
540	(21C)	SIGNED	4	ODMVFSQLATNUM	
					Quiesce Latch Number
544	(220)	CHARACTER	18	ODMVFSMTDATA	Mount Date,time in EBCDIC
544	(220)	CHARACTER	10	ODMVFSMTDATE	yyyy/mm/dd

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
544	(220)	CHARACTER	4	ODMVFSMTYEAR	yyyy
544	(220)	CHARACTER	2		yy (2004...the 20)
546	(222)	CHARACTER	2	ODMVFSMTYY	yy (2004...the 04)
548	(224)	CHARACTER	1	ODMVFSSLASH1	/
549	(225)	CHARACTER	2	ODMVFSMTMONTH	mm
551	(227)	CHARACTER	1	ODMVFSSLASH2	/
552	(228)	CHARACTER	2	ODMVFSMTDAY	dd
554	(22A)	CHARACTER	8	ODMVFSMTTIME	hh:mm:ss
554	(22A)	CHARACTER	2	ODMVFSHH	hh
556	(22C)	CHARACTER	1	ODMVFSDOT1	:
557	(22D)	CHARACTER	2	ODMVFSMM	mm
559	(22F)	CHARACTER	1	ODMVFSDOT2	:
560	(230)	CHARACTER	2	ODMVFSSS	ss
562	(232)	CHARACTER	2		alignment
562	(232)	X'234'	0	ODMVFILE_LEN	"*-ODMVFILE"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVPROCESS	
0	(0)	CHARACTER	8	ODMVJOBNAME	Job name from ASCBJBNI or ASCBJBNS
8	(8)	CHARACTER	8	ODMVUSER	User Name from OasbLoginName
16	(10)	SIGNED	4	ODMVPID	Process ID
20	(14)	SIGNED	4	ODMVPPID	Parent's Process ID
24	(18)	SIGNED	2	ODMVASID	Address space ID or zero for zombie state
26	(1A)	CHARACTER	5	ODMVRESERVED04	Reserved
31	(1F)	CHARACTER	7	ODMVSTARTYD	Local Start Time YYYYDDD
31	(1F)	CHARACTER	4	ODMVSTYY	Start Time Year
35	(23)	CHARACTER	3	ODMVSTDD	Start Time Day of year (1-366)
38	(26)	CHARACTER	6	ODMVSTART	Start Time hhmmss
38	(26)	CHARACTER	2	ODMVSTHH	Start Time hours
40	(28)	CHARACTER	2	ODMVSTMM	Start Time minutes
42	(2A)	CHARACTER	2	ODMVSTSS	Start Time seconds
44	(2C)	CHARACTER	8	ODMVCT	Process system and user compute time
52	(34)	BITSTRING	4	ODMVCSTATE	Process state
52	(34)	BITSTRING	1	ODMVSTATUS1	MVS status

Comment

Bit definitions:

End of Comment

		1...		ODMVSWAP	"X'80'" Swapped out
		.1..		ODMVWAITP	"X'40'" Ptrace Kernel Wait
53	(35)	BITSTRING	1	ODMVSTATUS2	Process status

Comment

Bit definitions:

End of Comment

		1...		ODMVSTOPPED	"X'80'" Stopped process
		.1..		ODMVGEN05	"X'40'"
		..1.		ODMVMULTHREAD	"X'20'" 0=One OpenMVS active task
		...1		ODMVPTHREAD	"X'10'" 0=No pthread task in process
		.... 1...		ODMVBLOCKREG	"X'08'" registered blocker
		.... .1..		ODMVPERMREG	"X'04'" registered permanent proc
		.... ..1.		ODMVRESPAWN	"X'02'" process started with respawn capability
		1		RESERVED	"X'01'" reserved for future

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
54	(36)	CHARACTER	1	ODMVSTATUS3	State of reported task - with PgpsPthread=0 the most recent created thread, PgpsPthread=1 the initial pthread task (IPT)
55	(37)	BITSTRING	1	ODMVRESERVED05	Reserved
56	(38)	SIGNED	4	ODMVLATCHWAITPID	Latch Process ID the process is waiting for (Zero=not waiting)
60	(3C)	BITSTRING	4	ODMVGENERALFLAGS	General flags

Comment

Bit definitions:

End of Comment

		1...		ODMVSERVER	"X'80'" OdmvServerInfo data is valid
64	(40)	CHARACTER	44	ODMVSERVERINFO	Server Information
64	(40)	CHARACTER	32	ODMVSERVERNAME	SabServerName SERVER=
96	(60)	SIGNED	4	ODMVACTIVEFILES	SabVDECount AF=
100	(64)	SIGNED	4	ODMVMAXFILES	SabMaxFiles MF=
104	(68)	SIGNED	4	ODMVSERVERTYPE	SabServerType TYPE= See NRegSType information in BPXYNREG for definition of Server Types.
108	(6C)	CHARACTER	40	ODMVCMD	Command String buffer
148	(94)	SIGNED	4	ODMVRUID	Process Real User Id
152	(98)	SIGNED	4	ODMVEUID	Process Effective User Id
156	(9C)	CHARACTER	8	ODMVSECLABEL	Process Seclabel
156	(9C)	X'A4'	0	ODMVPROCESS_LEN	"*-ODMVPROCESS"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVTHREADS	Thread info
0	(0)	CHARACTER	8	ODMVTHDID	Thread ID
8	(8)	ADDRESS	4	ODMVTHDTCB	TCB address
12	(C)	CHARACTER	8	ODMVTHDJOBNAME	Primary Address space job name, if primary ¬= home, otherwise blanks
20	(14)	CHARACTER	8	ODMVTHDUSERNAME	User name if a task level security environment created by pthread_security_np exists, otherwise blanks
28	(1C)	SIGNED	4	ODMVTHDSYSCALL	Syscall code
32	(20)	BITSTRING	8	ODMVTHDTTIME	TCB's accumulated CPU time
40	(28)	CHARACTER	65	ODMVTHDTAG	Tag data
105	(69)	CHARACTER	1	ODMVTHDSTATUS1	Pthread created/Dubbed
106	(6A)	CHARACTER	1	ODMVTHDSTATUS2	Wait/Running status
107	(6B)	CHARACTER	1	ODMVTHDSTATUS3	Creation type
108	(6C)	CHARACTER	1	ODMVTHDSTATUS4	Detached/undetached
109	(6D)	CHARACTER	1	ODMVTHDSTATUS5	Ptrace held
110	(6E)	BITSTRING	1	ODMVTHDFLAGS	Thread flags

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
Bit definitions:					
		End of Comment			
		1...		ODMVTHDTAGSET	
					"X'80'" Thread has tag data
111	(6F)	CHARACTER	1	ODMVRESERVED06	
					Reserved
112	(70)	CHARACTER	28	ODMVTHDBRL	Byte Range Lock Waiter Data valid for OdmvBrl only
112	(70)	SIGNED	4	ODMVTHDBRLDEVNO	
					Dev # of BRL Wait File
116	(74)	SIGNED	4	ODMVTHDBRLINO	
					Inode # of BRL Wait File
120	(78)	SIGNED	4	ODMVTHDBRLOWNERPID	
					BRL Wait FileOwner PID
124	(7C)	CHARACTER	16	ODMVTHDBRLFILE	
					BRL Wait File Name
140	(8C)	CHARACTER	32	ODMVRESERVEDDATA2	
					For BRLM usage only
140	(8C)	ADDRESS	4	ODMVTHDBRLOFTE	
					No longer used
144	(90)	ADDRESS	4	ODMVTHDBRLVNOD	
					For use in frbrl getlk call
148	(94)	ADDRESS	4	ODMVTHDBRLREQPTR	
152	(98)	ADDRESS	4	ODMVTHDBRLRESERVED1	
156	(9C)	CHARACTER	8	ODMVTHDBRLSYSNAME	
					System of blocking process
164	(A4)	CHARACTER	8	ODMVTHDBRLRESERVEDATA	
					possible size change
172	(AC)	CHARACTER	1	ODMVTHDEND	End of thread info
				(0)	
172	(AC)	X'AC'	0	ODMVTHREADS_LEN	
					"*-ODMVTHREADS"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVPFS	
0	(0)	CHARACTER	212	ODMVPFSCHARS	EBCDIC data
0	(0)	CHARACTER	8	ODMVPFSNAME	PFS nameltype from the GFS
8	(8)	CHARACTER	20	ODMVPFSDESCRIPTION	
					Brief description of PFS
8	(8)	CHARACTER	8	ODMVPFSSOCKET	
					if socket, the word SOCKET
16	(10)	CHARACTER	12	ODMVPFSVFS	if socket, AF_INET, etc.
28	(1C)	CHARACTER	8	ODMVPFSENTRY	EntryPoint name
36	(24)	CHARACTER	5	ODMVPFSSTATUS	
					Status
41	(29)	CHARACTER	3	ODMVPFSFLAGS	Flags
44	(2C)	CHARACTER	165	ODMVPFSPARMS	Parameter data
44	(2C)	CHARACTER	1	ODMVPFSBLANK	a blank - special for HFS
45	(2D)	CHARACTER	164	ODMVGEN07	
209	(D1)	CHARACTER	3	ODMVRESERVED07	
					Reserved
212	(D4)	CHARACTER	24	ODMVPFSNUMS	NUMERIC data
212	(D4)	SIGNED	4	ODMVPFSMAXSOCK	
					MAXSOCKETS
216	(D8)	SIGNED	4	ODMVPFSOPNSOCK	
					Open Sockets
220	(DC)	SIGNED	4	ODMVPFSHWMSOCK	
					Highwater mark

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
224	(E0)	SIGNED	4	ODMVPFSPARMLEN	
					The length of OdmvPFSparms
228	(E4)	CHARACTER	8	ODMVPFSCURRENTVALUES	
					Data for CURRENT VALUES
228	(E4)	SIGNED	4	ODMVPFSFIXED	FIXED
232	(E8)	SIGNED	4	ODMVPFSVIRTUAL	
					VIRTUAL
232	(E8)	X'EC'	0	ODMVPFS_LEN	"*-ODMVPFS"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVSYSL	
0	(0)	BITSTRING	4	ODMVSYSLFCHANGED	
					Flag field for changed System limits
0	(0)	BITSTRING	1	ODMVSYSLFBYTE1	

Comment

Bit definitions:

End of Comment

		1...		ODMVSYSLFMAXPROCSYS	
					"X'80'" MaxProcSys changed
		.1..		ODMVSYSLFMAXUIDS	
					"X'40'" MaxUids changed
		..1.		ODMVSYSLFMAXPTYS	
					"X'20'" MaxPtys changed
		...1		ODMVSYSLFMAXMMAPAREA	
					"X'10'" MaxMmapArea changed
		.... 1...		ODMVSYSLFMAXSHRPAGES	
					"X'08'" MaxShrPages changed
		.... .1..		ODMVSYSLFIPCMSGNIDS	
					"X'04'" IpcMsgNids changed
		.... ..1.		ODMVSYSLFIPCSEMNIDS	
					"X'02'" IpcSemNids changed
		1		ODMVSYSLFIPCSHMNIDS	
					"X'01'" IpcShmNids changed
1	(1)	BITSTRING	1	ODMVSYSLFBYTE2	

Comment

Bit definitions:

End of Comment

		1...		ODMVSYSLFIPCSHMSPAGES	
					"X'80'" IpcShmSPages changed
		.1..		ODMVSYSLFIPCMSGQBYTES	
					"X'40'"
		..1.		ODMVSYSLFIPCMSGQMNUM	
					"X'20'"
		...1		ODMVSYSLFIPCSHMMPAGES	
					"X'10'"
		.... 1...		ODMVSYSLFSHRLIBRGNSIZE	
					"X'08'" ShrLibRgnSize changed
		.... .1..		ODMVSYSLFSHRLIBMAXPAGES	
					"X'04'" ShrLibMaxPages changed
2	(2)	BITSTRING	1	ODMVSYSLFBYTE3	
3	(3)	BITSTRING	1	ODMVSYSLFBYTE4	
4	(4)	SIGNED	4	ODMVSYSLMAXPROCSYSC	
					Current # of processes
8	(8)	SIGNED	4	ODMVSYSLMAXPROCSYSH	
					Highwater # of processes

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	SIGNED	4	ODMVSYSLMAXUIDSC	Current # of userids
16	(10)	SIGNED	4	ODMVSYSLMAXUIDSH	Highwater # of userids
20	(14)	SIGNED	4	ODMVSYSLMAXPTYSC	Current # of ptys in use
24	(18)	SIGNED	4	ODMVSYSLMAXPTYSH	Highwater # of ptys in use
28	(1C)	SIGNED	4	ODMVSYSLMAXMMAPAREAC	Current # of mmap pages
32	(20)	SIGNED	4	ODMVSYSLMAXMMAPAREAH	Highwater # of mmap pages
36	(24)	SIGNED	4	ODMVSYSLMAXSHRPAGESC	Current # of shared pages
40	(28)	SIGNED	4	ODMVSYSLMAXSHRPAGESH	Highwater # of shared pages
44	(2C)	SIGNED	4	ODMVSYSLIPCMSGNIDSC	Current # of message queue IDs in use
48	(30)	SIGNED	4	ODMVSYSLIPCMSGNIDSH	Highwater # of message queue IDs in use
52	(34)	SIGNED	4	ODMVSYSLIPCSEMNIDSC	Current # of semaphore IDs in use
56	(38)	SIGNED	4	ODMVSYSLIPCSEMNIDSH	Highwater # of semaphore IDs in use
60	(3C)	SIGNED	4	ODMVSYSLIPCSHMNIDSC	Current # of shared memory IDs in use
64	(40)	SIGNED	4	ODMVSYSLIPCSHMNIDSH	Highwater # of shared memory IDs in use
68	(44)	SIGNED	4	ODMVSYSLIPCSHMSPAGESC	Current # of shared memory pages in use
72	(48)	SIGNED	4	ODMVSYSLIPCSHMSPAGESH	Highwater # of shared memory pages in use
76	(4C)	SIGNED	4	ODMVSYSLIPCMSGQBYTESH	Highwater # of bytes used in a msg queue for process
80	(50)	SIGNED	4	ODMVSYSLIPCMSGQBYTESM	Maximum # of bytes allowed in a msg queue for process
84	(54)	SIGNED	4	ODMVSYSLIPCMSGQMNUMH	Highwater # of msgs used in a msg queue for process
88	(58)	SIGNED	4	ODMVSYSLIPCMSGQMNUMM	Maximum # of msgs allowed in a msg queue for process
92	(5C)	SIGNED	4	ODMVSYSLIPCSHMMPAGESH	Highwater # of shr mem pages in a segment for process
96	(60)	SIGNED	4	ODMVSYSLIPCSHMMPAGESM	Maximum # of shr mem pages allowed in segment for process
100	(64)	SIGNED	4	ODMVSYSLSHRLIBRGNSIZEC	Current usage of system shared library region
104	(68)	SIGNED	4	ODMVSYSLSHRLIBRGNSIZEH	Highwater usage of system shared library region
108	(6C)	SIGNED	4	ODMVSYSLSHRLIBMAXPAGESC	Current # of pages of user shared library region
112	(70)	SIGNED	4	ODMVSYSLSHRLIBMAXPAGESH	Highwater # of pages of user shared library pgms
116	(74)	SIGNED	4	ODMVSYSLIPCSHMMPAGESMBM	Maximum # of shr mem pages allowed in segment for process in BinMult form
116	(74)	X'78'	0	ODMVSYSL_LEN	"*-ODMVSYSL"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVPRCL	
0	(0)	BITSTRING	4	ODMVPRCLFCHANGED	Flag field for changed process limits

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	1	ODMVPRCLFBYTE1	
		Comment			
		Bit definitions:			
		End of Comment			
		1...		ODMVPRCLFMAXASSIZE	
					"X'80'" RESERVED MaxAsSize changed
		.1..		ODMVPRCLFMAXCPU	
					"X'40'" RESERVED MaxCpu changed
		..1.		ODMVPRCLFMAXFILEPROC	
					"X'20'" MaxFileProc changed
		...1		ODMVPRCLFMAXPROCUSER	
					"X'10'" MaxProcUser changed
		.... 1...		ODMVPRCLFMAXQUEUEDSIGS	
					"X'08'" MaxQueuedSigs changed
		.... .1..		ODMVPRCLFMAXTHREADS	
					"X'04'" MaxThreads changed
		.... ..1.		ODMVPRCLFMAXTHREADTASKS	
					"X'02'" MaxThreadTasks changed
		1		ODMVPRCLFIPCSHMNSEGS	
					"X'01'" IpcShmNSegs changed
1	(1)	BITSTRING	1	ODMVPRCLFBYTE2	
		Comment			
		Bit definitions:			
		End of Comment			
		1...		ODMVPRCLFCORESIZSBIN	
					"X'80'" Soft Core value is bin
		.1..		ODMVPRCLFMAXFILESIZE	
					"X'40'" MaxFileSize changed
		..1.		ODMVPRCLFMAXMEMLIMIT	
					"X'20'" MaxMemLimit changed
		...1		ODMVPRCLFMAXMLIMITSET	
					"X'10'" Set MaxMemLimit
		.... 1...		ODMVPRCLFMAXMEMLSBIN	
					"X'08'" Soft MLimit value is bin
		.... .1..		ODMVPRCLFMAXMEMLHBIN	
					"X'04'" Hard MLimit value is bin
		.... ..1.		ODMVPRCLFMAXCORESIZE	
					"X'02'" MaxCoreSize changed
2	(2)	BITSTRING	1	ODMVPRCLFBYTE3	
		Comment			
		Bit definitions:			
		End of Comment			
		1...		ODMVPRCLFCORESIZHBIN	
					"X'80'" Hard Core value is bin
3	(3)	BITSTRING	1	ODMVPRCLFBYTE4	
4	(4)	SIGNED	4	ODMVPRCLMAXASSIZEC	
					RESERVED Current user region usage for address space
8	(8)	SIGNED	4	ODMVPRCLMAXASSIZEH	
					RESERVED Highw. user region usage for address space
12	(C)	SIGNED	4	ODMVPRCLMAXASSIZEM	
					RESERVED Max. user region size for address space
16	(10)	SIGNED	4	ODMVPRCLMAXCPUC	
					RESERVED Current CPU usage for address space
20	(14)	SIGNED	4	ODMVPRCLMAXCPUH	
					RESERVED Highwater CPU usage for address space

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	SIGNED	4	ODMVPRCLMAXCPUM	RESERVED Max. CPU usage for address space
28	(1C)	SIGNED	4	ODMVPRCLMAXFILEPROCC	Current # of files in use for process
32	(20)	SIGNED	4	ODMVPRCLMAXFILEPROCH	Highwater # of files in use for process
36	(24)	SIGNED	4	ODMVPRCLMAXFILEPROCMSL	Soft Maximum # of files allowed for process
40	(28)	SIGNED	4	ODMVPRCLMAXFILEPROCMHL	Hard Maximum # of files allowed for process
44	(2C)	SIGNED	4	ODMVPRCLMAXFILESIZEMSL	Soft Maximum size of files allowed for process
48	(30)	SIGNED	4	ODMVPRCLMAXFILESIZEMHL	Hard Maximum size of files allowed for process
52	(34)	SIGNED	4	ODMVPRCLMAXPROCUSERC	Current # of processes for user
56	(38)	SIGNED	4	ODMVPRCLMAXPROCUSERH	Highwater # of processes for user
60	(3C)	SIGNED	4	ODMVPRCLMAXPROCUSERM	Maximum # of processes allowed for user
64	(40)	SIGNED	4	ODMVPRCLMAXQUEUEDSIGSC	Current # of queued signals for process
68	(44)	SIGNED	4	ODMVPRCLMAXQUEUEDSIGSH	Highwater # of queued sigs for process
72	(48)	SIGNED	4	ODMVPRCLMAXQUEUEDSIGSM	Maximum # of queued signals for process
76	(4C)	SIGNED	4	ODMVPRCLMAXTHREADSC	Current # of threads for process
80	(50)	SIGNED	4	ODMVPRCLMAXTHREADSH	Highwater # of threads for process
84	(54)	SIGNED	4	ODMVPRCLMAXTHREADSM	Maximum # of threads for process
88	(58)	SIGNED	4	ODMVPRCLMAXTHREADTASKSC	Current # of thd tasks for process
92	(5C)	SIGNED	4	ODMVPRCLMAXTHREADTASKSH	Highwater # of thd tasks for process
96	(60)	SIGNED	4	ODMVPRCLMAXTHREADTASKSM	Maximum # of thd tasks for process
100	(64)	SIGNED	4	ODMVPRCLIPCSHMNSEGSC	Current # of shr mem allowed segments in a process
104	(68)	SIGNED	4	ODMVPRCLIPCSHMNSEGSH	Highwater shr mem allowed segments in a process
108	(6C)	SIGNED	4	ODMVPRCLIPCSHMNSEGSM	Maximum # of shr mem allowed segments in a process
112	(70)	SIGNED	4	ODMVPRCLMAXCORESIZEMSL	Max Size core dumps SOFT

Comment

See OdmvPrcLFCoreSizSBin, off - fullword Binary value, on - binary value with a multiplier

End of Comment

116	(74)	SIGNED	4	ODMVPRCLMAXCORESIZEMHL	Max Size core dumps HARD

Comment

See OdmvPrcLFCoreSizHBin, off - fullword Binary value, on - binary value with a multiplier

End of Comment

120	(78)	CHARACTER	8	ODMVPRCLMAXMEMLIMITCDW	Current process memlimit

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
120	(78)	SIGNED	4	ODMVPRCLMAXMEMLIMITCH	
124	(7C)	SIGNED	4	ODMVPRCLMAXMEMLIMITCL	
128	(80)	CHARACTER	8	ODMVPRCLMAXMEMLIMITHDW	High process memlimit
128	(80)	SIGNED	4	ODMVPRCLMAXMEMLIMITHH	
132	(84)	SIGNED	4	ODMVPRCLMAXMEMLIMITHL	
136	(88)	SIGNED	4	ODMVPRCLMAXMEMLIMITMDWS	

Comment

asid memlimit soft See OdmvPrcLFMaxMemLSBin, off - fullword
Binary value, on - binary value with a multiplier

End of Comment

136	(88)	SIGNED	3	ODMVPRCLMAXMEMLIMITMDWSBIN	binary value
139	(8B)	CHARACTER	1	ODMVPRCLMAXMEMLIMITMDWSM	Multiplier
140	(8C)	SIGNED	4	ODMVPRCLMAXMEMLIMITMDWH	

Comment

asid memlimit hard See OdmvPrcLFMaxMemLSBin, off - fullword
Binary value, on - binary value with a multiplier

End of Comment

140	(8C)	SIGNED	3	ODMVPRCLMAXMEMLIMITMDWHBIN	binary value
143	(8F)	CHARACTER	1	ODMVPRCLMAXMEMLIMITMDWHM	Multiplier
144	(90)	SIGNED	4	ODMVMAXFILESIZEMHLBINM	

Comment

BinMult version of MaxFileSize hardlimit. Valid only if
equal to OdmvPrcLMaxFileSizeMHL. This is how it was entered
via SETOMVS.

End of Comment

148	(94)	SIGNED	4	ODMVMAXFILESIZEMSLBINM	

Comment

BinMult version of MaxFileSize softlimit. Valid only if
equal to OdmvPrcLMaxFileSizeMSL. This is how it was entered
via SETOMVS.

End of Comment

152	(98)	CHARACTER	20		Reserved for future use
152	(98)	X'AC'	0	ODMVPRCL_LEN	"*-ODMVPRCL"

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ODMVEXTOPTIONSDATA	
0	(0)	SIGNED	4	ODMVRESPROCLEN	Length of String
4	(4)	CHARACTER	8	ODMVRESPROCNAME	Name of Resolver started procedure or NONE/RESOLVER
12	(C)	SIGNED	4	ODMVMAXFILESIZEBINM	MaxFileSize BinMult
12	(C)	SIGNED	3	ODMVMAXFILESIZEBIN	Bin part of BinMult

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
15	(F)	CHARACTER	1	ODMVMAXFILESIZEM	Multiplier part of BinM
16	(10)	SIGNED	4	ODMVMAXCORESIZEBINM	MaxCoreSize BinMult
16	(10)	SIGNED	3	ODMVMAXCORESIZEB	Bin part of BinMult
19	(13)	CHARACTER	1	ODMVMAXCORESIZEM	Multiplier part of BinM
20	(14)	SIGNED	4	ODMVMAXASSIZEBINM	MaxASSize BinMult
20	(14)	SIGNED	3	ODMVMAXASSIZEBIN	Bin part of BinMult
23	(17)	CHARACTER	1	ODMVMAXASSIZEM	Multiplier part of BinM
24	(18)	SIGNED	4	ODMVMAXMMAPAREABINM	MaxMMapArea BinMult
24	(18)	SIGNED	3	ODMVMAXMMAPAREABIN	Bin part of BinMult
27	(1B)	CHARACTER	1	ODMVMAXMMAPAREAM	Multiplier part of BinM
28	(1C)	SIGNED	4	ODMVMAXSHRPAGESBINM	MaxShrPages BinMult
28	(1C)	SIGNED	3	ODMVMAXSHRPAGESBIN	Bin part of BinMult
31	(1F)	CHARACTER	1	ODMVMAXSHRPAGESM	Multiplier part of BinM
32	(20)	SIGNED	4	ODMVMAXSHMSPAGESBM	MaxIPCSHMSPages BinMult
32	(20)	SIGNED	3	ODMVMAXSHMSPAGESBIN	Bin part of BinMult
35	(23)	CHARACTER	1	ODMVMAXSHMSPAGESM	Multiplier part of BinM
36	(24)	SIGNED	4	ODMVMAXSHMMPAGESBM	MaxIPCSHMMPages BinMult
36	(24)	SIGNED	3	ODMVMAXSHMMPAGESBIN	Bin part of BinMult
39	(27)	CHARACTER	1	ODMVMAXSHMMPAGESM	Multiplier part of BinM
39	(27)	X'28'	0	ODMVEXTOPTIONSDATA_LEN	"*-ODMVEXTOPTIONSDATA"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVIPV6	IPV6 Data
0	(0)	SIGNED	4	ODMVCINETHOMECNT6	Number of CINET6 home.
4	(4)	SIGNED	4	ODMVCINETHOSTCNT6	Number of CINET6 host.
8	(8)	SIGNED	4	ODMVCINETNETWCNT6	Number of CINET6 net.
12	(C)	ADDRESS	4	ODMVCINET6PTR	Ptr to the first OdmvCinet6 in OdmvOutPut area.

Comment

Declare Constants for the PFS output data:

End of Comment

12	(C)	X'C6E240'	0	ODMVPFS#HFS_0TO3	"C'HFS '" This is the first 4-byte segment of an 8-byte constant.
12	(C)	X'404040'	0	ODMVPFS#HFS_4TO7	"C' '" This is the second 4-byte segment of an 8-byte constant.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	X'10'	0	ODMVIPV6_LEN	"*-ODMVIPV6"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVCINET	
0	(0)	CHARACTER	8	ODMVCINETETPNAME	
					Tp name
8	(8)	CHARACTER	12	ODMVCINETHOME@	
					Home IP address in EBCDIC
8	(8)	CHARACTER	8		Not Specified
16	(10)	CHARACTER	4	ODMVCINETRTYPE	
					Host and Net route Type
20	(14)	CHARACTER	12	ODMVCINETHOST@	
					Host IP address in EBCDIC
32	(20)	CHARACTER	12	ODMVCINETNETW@	
					Net IP address in EBCDIC
44	(2C)	CHARACTER	12	ODMVCINETMASK	
					Net Mask in EBCDIC
56	(38)	SIGNED	4	ODMVCINETMETRIC	
					Metric
60	(3C)	CHARACTER	3	ODMVCINETFLAGS	
					Flags
63	(3F)	BITSTRING	1	ODMVRESERVED08	
					Reserved

Comment

Bit definitions:

End of Comment

		1		ODMVCINETHIFACTIVE
				"X'01'" On=active Off=Inactive
64	(40)	SIGNED	4	ODMVCINETHOMEIF@
				Home Interface @ in Hex
64	(40)	X'44'	0	ODMVCINET_LEN
				"*-ODMVCINET"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVCINET6	
0	(0)	CHARACTER	8	ODMVCINET6ETPNAME	
					Tp name
8	(8)	CHARACTER	32	ODMVCINET6IPV6@	
					IPV6 Address in EBCDIC
40	(28)	CHARACTER	12	ODMVCINET6PLEN	
					Net Prefix Length
52	(34)	SIGNED	4	ODMVCINET6METRIC	
					Metric
56	(38)	CHARACTER	3	ODMVCINET6FLAGS	
					Flags for display
59	(3B)	BITSTRING	1	ODMVCINET6BITS	
					Flags for testing

Comment

Bit definitions:

End of Comment

		.... .1..		ODMVCINET6HOME
				"X'04'" Home route
		.... ..1.		ODMVCINET6HOST

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1		ODMVCINET6NET	"X'02'" Host route "X'01'" Net route
60	(3C)	CHARACTER	4	ODMVCINET6RTYPE	Host and Net Route Type
64	(40)	CHARACTER	4		Must be as long as OdmvCinet
64	(40)	X'44'	0	ODMVCINET6_#LEN	"68"
64	(40)	X'44'	0	ODMVCINET6_LEN	"*-ODMVCINET6"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVSERHDR	Serialization Header
0	(0)	SIGNED	4	ODMVSERVERNUM	Version Number Of SER Data
4	(4)	SIGNED	4	ODMVSERRESCNT	Number of resources
8	(8)	ADDRESS	4	ODMVSERRESPTR	Ptr to the first OdmvSerObj structure. Each Subsequent odmvSerObj element follows sequentially in storage after the last OdmvSerReq entry for the prior OdmvSerObj element.
8	(8)	X'C'	0	ODMVSERHDR_LEN	"*-ODMVSERHDR"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVSEROBJ	
0	(0)	CHARACTER	8	ODMVSERTYPE	Resource Type
8	(8)	SIGNED	4	ODMVSERREQCNT	Number of requestor entries
12	(C)	SIGNED	4	ODMVSERLOCID	Resource Location, for a Mutex or Condvar this will be a shared memory ID
16	(10)	CHARACTER	8	ODMVSERADDR	Resource Address, for a Mutex or Condvar this will be a shared memory segment offset
16	(10)	ADDRESS	4	ODMVSERADDRHI	High end of address
20	(14)	ADDRESS	4	ODMVSERADDRLO	Low end of address
24	(18)	SIGNED	4	ODMVSERLOCIDA	Resource Location - For a Condvar this will be the associated mutex's shared memory ID
28	(1C)	CHARACTER	8	ODMVSERADDRA	Resource Address - For a Condvar this will be the associated mutex's shared memory segment offset
28	(1C)	ADDRESS	4	ODMVSERADDRHIA	High end of address
32	(20)	ADDRESS	4	ODMVSERADDRLOA	Low end of address
36	(24)	ADDRESS	4	ODMVSERREQPTR	Ptr to the 1st OdmvSerReq area Subsequent OdmvSerReq areas following sequentially in storage.

Comment

Declare Constants for the OdmvSer Output data:

End of Comment

36	(24)	X'E4E3C5'	0	ODMVSER#MUTEX_0TO3	"C'MUTE'" This is the first 4-byte segment of an 8-byte constant.
36	(24)	X'404040'	0	ODMVSER#MUTEX_4TO7	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"C'X '" This is the second 4-byte segment of an 8-byte constant.
36	(24)	X'D6D5C4'	0	ODMVSER#CONDVAR_0TO3	
					"C'COND'" This is the first 4-byte segment of an 8-byte constant.
36	(24)	X'C1D940'	0	ODMVSER#CONDVAR_4TO7	
					"C'VAR '" This is the second 4-byte segment of an 8-byte constant.
36	(24)	X'1'	0	ODMVSERVER#01	
					"1"
36	(24)	X'28'	0	ODMVSEROBJ_LEN	
					"*-ODMVSEROBJ"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVSERREQ	
0	(0)	SIGNED	2	ODMVSERFLAGS	Requestor Flags

Comment

Bit definitions:

End of Comment

		1...		ODMVSEROWNER	"X'80'" 1=Owner of resource
		.1..		ODMVSERWAITER	
					"X'40'" 1=Waiter for resource
		..1.		ODMVSEREXC	"X'20'" 1=Exclusive request
		...1		ODMVSERSHR	"X'10'" 1=Shared request
2	(2)	SIGNED	2	ODMVSERASID	Requestor Address Space ID
4	(4)	CHARACTER	8	ODMVSERJOBNAME	
					Requestor Jobname
12	(C)	SIGNED	4	ODMVSERPID	Requestor Process ID
16	(10)	ADDRESS	4	ODMVSERTCB	Requestor Tcb Address
20	(14)	CHARACTER	8	ODMVSERUSERDATA	
					Requestor User Data
20	(14)	ADDRESS	4	ODMVSERUSERDATAHI	
24	(18)	ADDRESS	4	ODMVSERUSERDATALO	
24	(18)	X'1C'	0	ODMVSERREQ_LEN	
					"*-ODMVSERREQ"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVDWHEADER	
0	(0)	ADDRESS	4	ODMVDWHMLHCNT	
					1 = There's a mount latch holder
4	(4)	ADDRESS	4	ODMVDWHMLHPTR	
					Address of Holder's Element
8	(8)	SIGNED	4	ODMVDWHMLWCNT	
					Number of mount latch waiters
12	(C)	ADDRESS	4	ODMVDWHMLWPTR	
					Address of 1st Waiter's Element
16	(10)	SIGNED	4	ODMVDWHXSENTCNT	
					Number of SENT xsys messages
20	(14)	ADDRESS	4	ODMVDWHXSENTPTR	
					Address of 1st "SENT" Element
24	(18)	SIGNED	4	ODMVDWHXRECVCNT	
					Number of RECEIVED xsys msgs
28	(1C)	ADDRESS	4	ODMVDWHXRECVPTR	
					Address of 1st "RECV" Element
32	(20)	BITSTRING	1	ODMVDWHFLAGS	Header Flags @E2C

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
Bit definitions:					
				End of Comment	
		1...		ODMVDWHSYSPLEX	"X'80'" 1 = Member of a Sysplex
33	(21)	BITSTRING	1	ODMVDWHDRLEN	Header length, for growth
34	(22)	SIGNED	2	ODMVDWHELEN	Element Length, for growth
36	(24)	SIGNED	4	ODMVDWHVLCCNT	Number of Vfs latches causing
				Comment	
contention					
				End of Comment	
40	(28)	ADDRESS	4	ODMVDWHVLHPTR	Address of 1st VFS holder
44	(2C)	SIGNED	4	ODMVDWHOWTCNT	Number of other waiting threads
48	(30)	ADDRESS	4	ODMVDWHOWTPTR	Address of 1st other waiters
48	(30)	X'34'	0	ODMVDWHEAD_#LEN	"52"
48	(30)	X'34'	0	ODMVDWHEADER_LEN	"*-ODMVDWHEADER"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVDWELEMENT	Mount Latch / Xsys Elem
				Comment	
---------- HOLDER IS DOING: ----------					
				End of Comment	
0	(0)	CHARACTER	8	ODMVDWEPFSNAME	Pfs Name / Glue Exit Name
8	(8)	CHARACTER	12	ODMVDWEOP	Vfs or Vnod Operation
20	(14)	CHARACTER	16	ODMVDWESTATE	State of operation
36	(24)	SIGNED	4	ODMVDWELATNUM	Latch Number
40	(28)	CHARACTER	9	ODMVDWESYSNAME	BROADCAST or Xsys Member Name
40	(28)	CHARACTER	8	ODMVDWESYSNAME8	8 char member name
48	(30)	CHARACTER	1	ODMVDWESYSNAME1	T when BROADCAST or blank
				Comment	
---------- common section for the latch holder, waiters and XSYS Message. ----------					
				End of Comment	
49	(31)	BITSTRING	1	ODMVDWEFLAGS	Flags

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		Bit definitions:			
		End of Comment			
		1...		ODMVDWEFLAGFS	"X'80'" 1 = OdmvDweFileSys has name
		.1..		ODMVDWEFLAG99	"X'40'" 1 = OdmvDweHrs > 99
		..1.		ODMVDWELATCH	"X'20'" 1 = Holder has latch number
		...1		ODMVDWEISDOING	"X'10'" 1 = display ID DOING data
		.... 1...		ODMVDWELATACC	"X'08'" 1 = Latch held EXCL for HOLDING line
		.... .1..		ODMVDWEVFSACC	"X'04'" 1 = Latch held EXCL for File system latch table
		.... ..1.		ODMVDWEISVFSHOLDER	"X'02'" 1 = Vfs table holder
		1		ODMVDWEVNODFILEOP	"X'01'" 1 = display FILE data
50	(32)	SIGNED	2	ODMVDWEASID	Asid of holder,waiter,XSYS
52	(34)	CHARACTER	8	ODMVDWEUSERID	Userid of holder,waiter,XSYS
60	(3C)	CHARACTER	8	ODMVDWESYSMEM	Sysplex Member name
68	(44)	SIGNED	4	ODMVDWETCB	Tcb of holder,waiter,XSYS
72	(48)	CHARACTER	20	ODMVDWEREASON	Reason for holding,waiting
92	(5C)	SIGNED	4	ODMVDWEAGE	Age holding,waiting,XSYS
92	(5C)	BITSTRING	1	ODMVDWEHRS	Hours
93	(5D)	BITSTRING	1	ODMVDWEMINS	Minutes
94	(5E)	BITSTRING	1	ODMVDWESECS	Seconds
95	(5F)	BITSTRING	1		Reserved
96	(60)	CHARACTER	44	ODMVDWEFILESYS	File System of holder,waiter
		Comment			

		Unique declares for XSYS Messages.			

		End of Comment			
140	(8C)	CHARACTER	12	ODMVDWEMSGTYPE	Message Type
152	(98)	SIGNED	2	ODMVDWEFCODE	Function Code
154	(9A)	CHARACTER	1	ODMVDWEREQUEST	* = ASYNC, blank = SYNC
155	(9B)	CHARACTER	1		Reserved (padding)
156	(9C)	SIGNED	4	ODMVDWEONTCB	On TCB for RECV Xsys MSG
160	(A0)	CHARACTER	4	ODMVDWEREQID	Request Id
160	(A0)	BITSTRING	1	ODMVDWESYSNUM	System Number
161	(A1)	SIGNED	3	ODMVDWESEQNO	Sequence Number
164	(A4)	SIGNED	4	ODMVDWEMEMCNT	Number of OdmvDWeMemName
168	(A8)	CHARACTER	8	ODMVDWEMEMNAME	broadcast members @E2C

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

				File system latch activity table	

				End of Comment	
424	(1A8)	SIGNED	4	ODMVDWEVLWCNT	
					Number of Vfs latch waiters
				Comment	
				Only valid on last holder for each latch	

				HOLDING:	

				End of Comment	
428	(1AC)	SIGNED	4	ODMVDWEHELDLATNUM	
				Comment	

				FILE:	

				End of Comment	
432	(1B0)	CHARACTER	16	ODMVDWEFILENAME	
					Files name
448	(1C0)	SIGNED	4	ODMVDWEDEVNO	Files device number
452	(1C4)	SIGNED	4	ODMVDWEINO	Files Inode number
				Comment	

				OTHER WAITING THREADS:	

				End of Comment	
456	(1C8)	SIGNED	4	ODMVDWEPID	Pid of waiter
460	(1CC)	BITSTRING	1	ODMVDWEFLAGS2	
					Flags2
				Comment	
				Bit definitions:	
				End of Comment	
		1...		ODMVDWEHSM	"X'80'" 1 = Doing an HSM recall
460	(1CC)	X'1CD'	0	ODMVDWELEM_#LEN	
					"461"
461	(1CD)	X'1CD'	0	ODMVDWELEMENT_LEN	
					"*-ODMVDWELEMENT"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVSOCKET	
0	(0)	CHARACTER	8	ODMVSOCKETJOBNAME	
					Job name of socket owner
8	(8)	SIGNED	4	ODMVINODENUM	Socket inode number

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	SIGNED	4	ODMVPINODENUM	Socket peer inode number
16	(10)	SIGNED	4	ODMVSTATE	Current socket state
20	(14)	SIGNED	4	ODMVBYTESREAD	Bytes read on socket
24	(18)	SIGNED	4	ODMVBYTESWRITTEN	Bytes written on socket
28	(1C)	CHARACTER	1	ODMVSOCKETNAMEFLG	Non 0 indicates socket has a name
29	(1D)	CHARACTER	57	ODMVSOCKETNAME	Sockets name
86	(56)	CHARACTER	1	ODMVPEERNAMEFLG	Non 0 indicates peer has a name
87	(57)	CHARACTER	57	ODMVPEERNAME	Sockets peer name

Comment

Decalre constant for OdmvSockets
Constants for OdmvState @DVA

End of Comment

87	(57)	X'1'	0	ODMV#STRM	"1" Unconnected stream socket
87	(57)	X'2'	0	ODMV#DGRAM	"2" Datagram socket
87	(57)	X'3'	0	ODMV#LISTEN	"3" Stream socket that accepts conections
87	(57)	X'4'	0	ODMV#ACP	"4" Accepted stream socket
87	(57)	X'5'	0	ODMV#CONN	"5" Connected stream socket
87	(57)	X'90'	0	ODMVSOCKET_LEN	"*-ODMVSOCKET"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVDYNSERV	Dynamic Service Header
0	(0)	SIGNED	4	ODMVDYNSERVVERNUM	Version Number Of OdmvDynServ Structure
4	(4)	SIGNED	4	ODMVDYNSERVACTCNT	Number of dynamic service activations
8	(8)	SIGNED	4	ODMVDYNSERVCSASTG	Amount of CSA storage used for all activations
12	(C)	SIGNED	4	ODMVDYNSERVPVTSTG	Amount of OMVS PVT storage used for all activations
16	(10)	ADDRESS	4	ODMVDYNSERVACTPTR	Ptr to the first DynAct structure.
16	(10)	X'14'	0	ODMVDYNSERV_LEN	"*-ODMVDYNSERV"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVDYNACT	
0	(0)	CHARACTER	44	ODMVDYNACTLINKLIB	LinkLib library name
44	(2C)	CHARACTER	6	ODMVDYNACTLINKLIBVOL	LinkLib volume
50	(32)	CHARACTER	44	ODMVDYNACTLPALIB	Lpalib library name
94	(5E)	CHARACTER	6	ODMVDYNACTLPAVOL	Lpalib volume
100	(64)	SIGNED	4	ODMVDYNACTITEMCNT	Number of Service Items in the activation instance
104	(68)	ADDRESS	4	ODMVDYNACTNEXTPTR	Address of Next OdmvDynAct
108	(6C)	ADDRESS	4	ODMVDYNACTITEMPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of 1st OdmvDynActItem
108	(6C)	X'70'	0	ODMVDYNACT_LEN	
					"*-ODMVDYNACT"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVDYNACTITEM	
					Service items in dynamic activation
0	(0)	CHARACTER	7	ODMVDYNACTITEMNAME	
					Service Item Name
7	(7)	CHARACTER	1		
7	(7)	X'8'	0	ODMVDYNACTITEM_LEN	
					"*-ODMVDYNACTITEM"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVMFHEADER	Mount Failure Header
0	(0)	SIGNED	4	ODMVMFHCOUNT	Count of Mount Failures
4	(4)	ADDRESS	4	ODMVMFHENTRYPTR	
					Ptr to 1st OdmvMFEntry
8	(8)	CHARACTER	18	ODMVMFHPTIME	Purge date & time in EBCDIC
8	(8)	CHARACTER	10	ODMVMFHDATE	yyyy/mm/dd
8	(8)	CHARACTER	4	ODMVMFHYEAR	
12	(C)	CHARACTER	1	ODMVMFHSLASH1	
13	(D)	CHARACTER	2	ODMVMFHMONTH	
15	(F)	CHARACTER	1	ODMVMFHSLASH2	
16	(10)	CHARACTER	2	ODMVMFHDAY	
18	(12)	CHARACTER	8	ODMVMFHTIME	hh:mm:ss
18	(12)	CHARACTER	2	ODMVMFHHH	
20	(14)	CHARACTER	1	ODMVMFHDOT1	
21	(15)	CHARACTER	2	ODMVMFHMM	
23	(17)	CHARACTER	1	ODMVMFHDOT2	
24	(18)	CHARACTER	2	ODMVMFHSS	
26	(1A)	CHARACTER	2		Alignment
28	(1C)	CHARACTER	1	ODMVMFHEND	
				(0)	
28	(1C)	X'1C'	0	ODMVMFHDR#LEN	
					"28"
28	(1C)	X'1C'	0	ODMVMFHEADER_LEN	
					"*-ODMVMFHEADER"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ODMVMFENTRY	Mount Failure Entry
0	(0)	ADDRESS	4	ODMVMFNEXT	+00 Next OdmvMF on the chain

Comment

Any changes to OdmvMFDspInfo should also be made to MfdbDspInfo.

End of Comment

4	(4)	CHARACTER	236	ODMVMFDSPINFO	
					Displayable Information:
4	(4)	SIGNED	4	ODMVMFMNTCODE	
					+04 Mount Entry Code
8	(8)	SIGNED	4	ODMVMFRETCODE	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					+08 Failing Return Code
12	(C)	SIGNED	4	ODMVMFRSNCODE	
					+0C Failing Reason Code
16	(10)	SIGNED	4	ODMVMFPATHNAMELEN	
					+10 Path Name Length
20	(14)	SIGNED	4	ODMVMFPARMDATALEN	
					+14 Parameter Length
24	(18)	CHARACTER	18	ODMVMFTODEBC	+18 OdmvMFTOD in EBCDIC
24	(18)	CHARACTER	10	ODMVMFDATE	+18 yyyy/mm/dd
24	(18)	CHARACTER	4	ODMVMFYEAR	
28	(1C)	CHARACTER	1	ODMVMFSLASH1	
29	(1D)	CHARACTER	2	ODMVMFMONTH	
31	(1F)	CHARACTER	1	ODMVMFSLASH2	
32	(20)	CHARACTER	2	ODMVMFDAY	
34	(22)	CHARACTER	8	ODMVMFTIME	+22 hh:mm:ss
34	(22)	CHARACTER	2	ODMVMFHH	
36	(24)	CHARACTER	1	ODMVMFDOT1	
37	(25)	CHARACTER	2	ODMVMFMM	
39	(27)	CHARACTER	1	ODMVMFDOT2	
40	(28)	CHARACTER	2	ODMVMFSS	
42	(2A)	BITSTRING	2	ODMVMFFLAGS	+2A Flags
		Comment			
		Bit definitions:			
		End of Comment			
		1...		ODMVMFMOVEFAILURE	
					"X'80'" Move operation failed
44	(2C)	CHARACTER	8	ODMVMFFSTYPE	+2C File System Type
52	(34)	CHARACTER	8	ODMVMFDDNAME	+34 DD Name (or zeros)
60	(3C)	CHARACTER	8	ODMVMFSYSNAME	
					+3C System Name (or zeros)
68	(44)	CHARACTER	8	ODMVMFPARMMEM	
					+44 Parmlib member (or zeros)
76	(4C)	CHARACTER	44	ODMVMFFSNAME	+4C File System Name
120	(78)	CHARACTER	60	ODMVMFPATHNAME	
					+78 Path Name Buffer
180	(B4)	CHARACTER	60	ODMVMFPARMDATA	
					+B4 Parameter Buffer
240	(F0)	CHARACTER	1	ODMVMFEND (0)	+F0
240	(F0)	X'F0'	0	ODMVMFENTRY#LEN	
					"240"
		Comment			
		VersionNumber values are defined here			
		End of Comment			
240	(F0)	X'10'	0	ODMVVER#ONE	"16" Version 1.0 Constant
240	(F0)	X'11'	0	ODMVVER#ONEONE	
					"17" Version 1.1 Constant
240	(F0)	X'12'	0	ODMVVER#ONETWO	
					"18" Version 1.2 Constant
		Comment			
		Return Code values are defined here			
		End of Comment			
240	(F0)	X'0'	0	ODMVSUCCESS	"0" Execution successful
240	(F0)	X'4'	0	ODMVNOTFOUND	"4" ASID or UID not found
240	(F0)	X'8'	0	ODMVFSGMNERROR	
					"8" Error calling FSGMN

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
240	(F0)	X'C'	0	ODMVBUFFER	"12" Buffer to small
240	(F0)	X'10'	0	ODMVFLAGS	"16" Input flags invalid
240	(F0)	X'14'	0	ODMVAUTH	"20" Wrong authority
240	(F0)	X'18'	0	ODMVINVPTR	"24" Ptr. to ODMVOUT zero
240	(F0)	X'1C'	0	ODMVOMVSINACT	"28" OMVS Inactive
240	(F0)	X'1D'	0	ODMV#MFDBLATCH	"29" Mfdb latch failure
240	(F0)	X'20'	0	ODMV#ISGLSLSPERR	"32" ISGLSLSP failed

Comment

OdmvPrcLimits/OdmvSystemLimits constant defined here

End of Comment

240	(F0)	BITSTRING	0	ODMV#UNLIMITED	"X'FFFFFFFF'"

Comment

OdmvStatus/OdmvThdStatus constants are defined here
Constants for OdmvStatus3

End of Comment

240	(F0)	X'E9'	0	ODMVZOMBIE	"C'Z'" Process terminated and parent has not complete wait
240	(F0)	X'D3'	0	ODMVZOMBIE2	"C'L' Process terminated and still session or " process group leader
240	(F0)	X'D8'	0	ODMVQUIESCET	"C'Q'" Quiese termination wait

Comment

Constants for OdmvStatus3 and OdmvThdStatus2

End of Comment

240	(F0)	X'C1'	0	ODMVMSGRCV	"C'A'" IPC msgrcv wait
240	(F0)	X'C2'	0	ODMVMSGSND	"C'B'" IPC msgsnd wait
240	(F0)	X'C3'	0	ODMVWAITC	"C'C'" Comm KernelWait

Comment

When a PID value is present in the message, D means Semop
When there is no PID yet, D means waiting to be dubbed

End of Comment

240	(F0)	X'C4'	0	ODMVSEMOP	"C'D'" IPC semop wait
240	(F0)	X'C4'	0	ODMVDUBWAIT	"C'D'" Waiting for DUB
240	(F0)	X'C6'	0	ODMVWAITF	"C'F'" File System Kernel Wait
240	(F0)	X'C7'	0	ODMVMVSPAUSE	"C'G'" MVSPause
240	(F0)	X'D9'	0	ODMVRUN	"C'R'" Not kernel wait
240	(F0)	X'E2'	0	ODMVSLEEP	"C'S'" sleep() issued
240	(F0)	X'E3'	0	ODMVBRL	"C'T'" Byte Range Lock WaiT
240	(F0)	X'E7'	0	ODMVFORK	"C'X'" fork new process
240	(F0)	X'E6'	0	ODMVCHILD	"C'W'" Waiting for child

Comment

Constants for OdmvStatus3 and OdmvThdStatus5

End of Comment

240	(F0)	X'C5'	0	ODMVFREEZE	"C'E'" Quiesce Freeze

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
		Constants for OdmvThdStatus1			
				End of Comment	
240	(F0)	X'D1'	0	ODMVPTHDCREATED	"C'J'" Pthread created
				Comment	
		Constants for OdmvThdStatus2			
				End of Comment	
240	(F0)	X'E8'	0	ODMVMVSWAIT	"C'Y'" MVS wait
				Comment	
		Constants for OdmvThdStatus3			
				End of Comment	
240	(F0)	X'D5'	0	ODMVMEDIUMWGHT	"C'N'" Medium weight thread
240	(F0)	X'D6'	0	ODMVASYNCH	"C'O'" Asynchronous thread
240	(F0)	X'E4'	0	ODMVIPT	"C'U'" Initial process thread
				Comment	
		Constants for OdmvThdStatus4			
				End of Comment	
240	(F0)	X'E5'	0	ODMVDETACHED	"C'V'" Thread is detached
				Comment	
		Constants for OdmvThdStatus5			
				End of Comment	
240	(F0)	X'D7'	0	ODMVPTRACE	"C'P'" Ptrace kernel wait
				Comment	
		Constants for OdmvThdStatus6			
				End of Comment	
240	(F0)	X'C2'	0	ODMVBLOCKED	"C'B'" registered blocker
240	(F0)	X'D7'	0	ODMVPERM	"C'P'" registered perm process
240	(F0)	X'D9'	0	ODMVCRESPAWN	"C'R'" respawnable process
				Comment	
		Following constant are not returned by BPXEKDA. See remarks how to get those information			
				End of Comment	
240	(F0)	X'F1'	0	ODMVONETASK	"C'1'" Only one dubbed task
				Comment	
		OdmvMulThread=On			
				End of Comment	
240	(F0)	X'D4'	0	ODMVMULTTHDS	"C'M'" Multiple threads which were NOT pthread_create()'ed and has not issued a wait

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		OdmvPthread=On			
				End of Comment	
240	(F0)	X'C8'	0	ODMVPTHREADS	"C'H'" Multiple threads exist. Some created by pthread_create
				Comment	
		OdmvStopped=On			
				End of Comment	
240	(F0)	X'E3'	0	ODMVSTOPST	"C'T'" stopped
				Comment	
		OdmvSwap=On			
				End of Comment	
240	(F0)	X'C9'	0	ODMVSWAPPED	"C'I'" Swapped out
				Comment	
		Reserved Constants			
				End of Comment	
240	(F0)	X'D2'	0	ODMVWAITO	"C'K'" Other Kernel Wait
240	(F0)	X'F0'	0	ODMVMFENTRY_LEN	"*-ODMVMFENTRY"

BPXZODMV Cross Reference

Name	Hex Offset	Hex Value
ODMV	0	
ODMV_LEN	60	60
ODMV#ACP	57	4
ODMV#CONN	57	5
ODMV#DGRAM	57	2
ODMV#ISGLSLSPERR	F0	20
ODMV#LISTEN	57	3
ODMV#MFDBLATCH	F0	1D
ODMV#STRM	57	1
ODMV#UNLIMITED	F0	FFFFFF
ODMVACTIVEFILES	60	
ODMVACTSERV	D	1
ODMVADUBWS	E	2
ODMVAGGNAME	1E4	
ODMVALLMF	D	4
ODMVASID	18	
ODMVASIDALLS	C	40
ODMVASIDPARM	14	
ODMVASIDS	C	20
ODMVASYNCH	F0	D6
ODMVAUTH	F0	14
ODMVAUTHPGMLIST	4E5	
ODMVAUTHPGMLISTLEN	4E4	

Name	Hex Offset	Hex Value
ODMVAUTOCVT	458	2
ODMVBLOCKED	F0	C2
ODMVBLOCKREG	35	8
ODMVBRL	F0	E3
ODMVBRLMSRV	488	
ODMVBRLS	8	40
ODMVBUFFER	F0	C
ODMVBYTESREAD	14	
ODMVBYTESWRITTEN	18	
ODMVCAPS	4DC	80
ODMVCBGEN06	4C0	
ODMVCHILD	F0	E6
ODMVCHILDMAX	3C	
ODMVCINET	0	
ODMVCINET_LEN	40	44
ODMVCINETALL	D	80
ODMVCINETCOUNT	64E	
ODMVCINETCOUNTS	478	
ODMVCINETETPNAME	0	
ODMVCINETFLAGS	3C	
ODMVCINETHIFACTIVE	3F	1

Name	Hex Offset	Hex Value
ODMVCINETHOME@	8	
ODMVCINETHOMECNT	478	
ODMVCINETHOMECNT6	0	
ODMVCINETHOMEIF@	40	
ODMVCINETHOST@	14	
ODMVCINETHOSTCNT	47C	
ODMVCINETHOSTCNT6	4	
ODMVCINETMASK	2C	
ODMVCINETMETRIC	38	
ODMVCINETMSGNUM	4D8	
ODMVCINETNETW@	20	
ODMVCINETNETWCNT	480	
ODMVCINETNETWCNT6	8	
ODMVCINETPORT	64C	
ODMVCINETRTYPE	10	
ODMVCINETTP	D	40
ODMVCINETTPNAME	1E	
ODMVCINET6	0	
ODMVCINET6_#LEN	40	44
ODMVCINET6_LEN	40	44
ODMVCINET6BITS	3B	
ODMVCINET6ETPNAME	0	
ODMVCINET6FLAGS	38	
ODMVCINET6HOME	3B	4
ODMVCINET6HOST	3B	2
ODMVCINET6IPV6@	8	
ODMVCINET6METRIC	34	
ODMVCINET6NET	3B	1
ODMVCINET6PLEN	28	
ODMVCINET6PTR	C	
ODMVCINET6RTYPE	3C	
ODMVCMD	6C	
ODMVCRESPAWN	F0	D9
ODMVCSTATE	34	
ODMVCT	2C	
ODMVDETACHED	F0	E5
ODMVDEVICE	0	
ODMVDUBWAIT	F0	C4
ODMVDWEAGE	5C	
ODMVDWEASID	32	
ODMVDWEDEVNO	1C0	
ODMVDWEFCODE	98	
ODMVDWEFILENAME	1B0	
ODMVDWEFILESYS	60	
ODMVDWEFLAGFS	31	80
ODMVDWEFLAGS	31	
ODMVDWEFLAGS2	1CC	
ODMVDWEFLAG99	31	40
ODMVDWEHELDLATNUM	1AC	
ODMVDWEHRS	5C	
ODMVDWEHSM	1CC	80
ODMVDWEINO	1C4	
ODMVDWEISDOING	31	10
ODMVDWEISVFSHOLDER	31	2
ODMVDWELATACC	31	8
ODMVDWELATCH	31	20
ODMVDWELATNUM	24	
ODMVDWELEM_#LEN	1CC	1CD
ODMVDWELEMENT	0	
ODMVDWELEMENT_LEN	1CD	1CD
ODMVDWEMEMCNT	A4	
ODMVDWEMEMNAME	A8	
ODMVDWEMINS	5D	
ODMVDWEMSGTYPE	8C	
ODMVDWEONTCB	9C	
ODMVDWEOP	8	
ODMVDWEPFSNAME	0	
ODMVDWEPID	1C8	
ODMVDWEREASON	48	
ODMVDWEREQID	A0	
ODMVDWEREQUEST	9A	
ODMVDWESECS	5E	
ODMVDWESEQNO	A1	
ODMVDWESTATE	14	
ODMVDWESYSMEM	3C	
ODMVDWESYSNAME	28	
ODMVDWESYSNAME1	30	
ODMVDWESYSNAME8	28	

Name	Hex Offset	Hex Value
ODMVDWESYSNUM		
	A0	
ODMVDWETCB	44	
ODMVDWEUSERID		
	34	
ODMVDWEVFSACC		
	31	4
ODMVDWEVLWCNT		
	1A8	
ODMVDWEVNODFILEOP		
	31	1
ODMVDWHDRLEN	21	
ODMVDWHEAD_#LEN		
	30	34
ODMVDWHEADER	0	
ODMVDWHEADER_LEN		
	30	34
ODMVDWHELEN	22	
ODMVDWHFLAGS	20	
ODMVDWHMLHCNT		
	0	
ODMVDWHMLHPTR		
	4	
ODMVDWHMLWCNT		
	8	
ODMVDWHMLWPTR		
	C	
ODMVDWHOWTCNT		
	2C	
ODMVDWHOWTPTR		
	30	
ODMVDWHSYSPLEX		
	20	80
ODMVDWHVLCCNT		
	24	
ODMVDWHVLHPTR		
	28	
ODMVDWHXRECVCNT		
	18	
ODMVDWHXRECVPTR		
	1C	
ODMVDWHXSENTCNT		
	10	
ODMVDWHXSENTPTR		
	14	
ODMVDYNACT	0	
ODMVDYNACT_LEN		
	6C	70
ODMVDYNACTITEM		
	0	
ODMVDYNACTITEM_LEN		
	7	8
ODMVDYNACTITEMCNT		
	64	
ODMVDYNACTITEMNAME		
	0	
ODMVDYNACTITEMPTR		
	6C	
ODMVDYNACTLINKLIB		
	0	
ODMVDYNACTLINKLIBVOL		
	2C	
ODMVDYNACTLPALIB		
	32	
ODMVDYNACTLPAVOL		
	5E	
ODMVDYNACTNEXTPTR		
	68	
ODMVDYNSERV	0	
ODMVDYNSERV_LEN		
	10	14
ODMVDYNSERVACTCNT		
	4	
ODMVDYNSERVACTPTR		
	10	
ODMVDYNSERVCSASTG		
	8	
ODMVDYNSERVPTR		
	4A0	
ODMVDYNSERVPVTSTG		
	C	
ODMVDYNSERVVERNUM		
	0	
ODMVEND	660	
ODMVEUID	98	
ODMVEXCEPTION		
	E	4
ODMVEXTOPTDATAPTR		
	494	
ODMVEXTOPTIONSDATA		
	0	
ODMVEXTOPTIONSDATA_LEN		
	27	28
ODMVFILE	0	
ODMVFILE_LEN	232	234
ODMVFILES	C	80
ODMVFLAGBYTE01		
	458	
ODMVFLAGBYTE02		
	459	
ODMVFLAGS	F0	10
ODMVFLAGWORD01		
	458	
ODMVFLAGWORD02		
	484	
ODMVFLAGWORD03		
	4DC	
ODMVFORK	F0	E7
ODMVFORKCOPY	458	80
ODMVFREEZE	F0	C5
ODMVFSCLIENT	D8	
ODMVFSDOT1	22C	
ODMVFSDOT2	22F	
ODMVFSFILETAG		
	DC	
ODMVFSGMNERROR		
	F0	8
ODMVFSHH	22A	
ODMVFSLATNUM	218	
ODMVFSMM	22D	
ODMVFSMTDATA	220	
ODMVFSMTDATE	220	
ODMVFSMTDAY	228	
ODMVFSMTMONTH		
	225	
ODMVFSMTTIME	22A	
ODMVFSMTYEAR	220	
ODMVFSMTYY	222	
ODMVFSNAME	20	
ODMVFSNOAUTOMOVE		

Name	Hex Offset	Hex Value
	CC	
ODMVFSOWNER	C4	
ODMVFSQLATNUM		
	21C	
ODMVFSSLASH1	224	
ODMVFSSLASH2	227	
ODMVFSSS	230	
ODMVGENERALFLAGS		
	3C	
ODMVGEN01	C	
ODMVGEN02	C	
ODMVGEN04	2F8	
ODMVGEN05	35	40
ODMVGEN07	2D	
ODMVID	0	
ODMVINBYTEM1	C	
ODMVINBYTEM2	D	
ODMVINBYTEM3	E	
ODMVINBYTEM4	F	
ODMVINBYTE1	8	
ODMVINFLAGS	8	
ODMVINFLAGSM	C	
ODMVINODENUM	8	
ODMVINPUTEND	5C	
ODMVINPUTPARMS		
	8	
ODMVINVPTR	F0	18
ODMVIPT	F0	E4
ODMVIPV6	0	
ODMVIPV6_LEN	C	10
ODMVIPV6PTR	498	
ODMVJOBNAME	0	
ODMVKERNELASID		
	E	
ODMVLATCHWAITPID		
	38	
ODMVLIMITS	D	20
ODMVLIMITSPTR		
	490	
ODMVLIMMSGPROC		
	458	4
ODMVLIMMSGSYS		
	458	8
ODMVMAXASSIZE		
	5C	
ODMVMAXASSIZEBIN		
	14	
ODMVMAXASSIZEBINM		
	14	
ODMVMAXASSIZEM		
	17	
ODMVMAXCORESIZE		
	68	
ODMVMAXCORESIZEB		
	10	
ODMVMAXCORESIZEBIN		
	459	80
ODMVMAXCORESIZEBINM		
	10	
ODMVMAXCORESIZEM		
	13	
ODMVMAXCPUTIME		
	48	
ODMVMAXFILEPROC		
	40	

Name	Hex Offset	Hex Value
ODMVMAXFILES	64	
ODMVMAXFILESIZE		
	44	
ODMVMAXFILESIZEBIN		
	C	
ODMVMAXFILESIZEBINM		
	C	
ODMVMAXFILESIZEM		
	F	
ODMVMAXFILESIZEMHLBINM		
	90	
ODMVMAXFILESIZEMSLBINM		
	94	
ODMVMAXMMAPAREA		
	58	
ODMVMAXMMAPAREABIN		
	18	
ODMVMAXMMAPAREABINM		
	18	
ODMVMAXMMAPAREAM		
	1B	
ODMVMAXMSGNIDS		
	70	
ODMVMAXMSGQBYTES		
	74	
ODMVMAXMSGQMNUM		
	78	
ODMVMAXPROCSYS		
	38	
ODMVMAXPTYS	54	
ODMVMAXQUEUEDSIGS		
	444	
ODMVMAXRTYS	50	
ODMVMAXSEMNIDS		
	8C	
ODMVMAXSEMNOPS		
	94	
ODMVMAXSEMNSEMS		
	90	
ODMVMAXSHMMPAGES		
	84	
ODMVMAXSHMMPAGESBIN		
	24	
ODMVMAXSHMMPAGESBM		
	24	
ODMVMAXSHMMPAGESM		
	27	
ODMVMAXSHMNIDS		
	7C	
ODMVMAXSHMNSEGS		
	88	
ODMVMAXSHMSPAGES		
	80	
ODMVMAXSHMSPAGESBIN		
	20	
ODMVMAXSHMSPAGESBM		
	20	
ODMVMAXSHMSPAGESM		
	23	
ODMVMAXSHRPAGES		
	6C	
ODMVMAXSHRPAGESBIN		
	1C	
ODMVMAXSHRPAGESBINM		
	1C	

Name	Hex Offset	Hex Value
ODMVMAXSHRPAGESM		
	1F	
ODMVMAXTHREADS		
	60	
ODMVMAXTHREADTASKS		
	64	
ODMVMAXUSERS	4C	
ODMVMEDIUMWGHT		
	F0	D5
ODMVMFDATE	18	
ODMVMFDAY	20	
ODMVMFDDNAME	34	
ODMVMFDOT1	24	
ODMVMFDOT2	27	
ODMVMFDSPINFO		
	4	
ODMVMFEND	F0	
ODMVMFENTRY	0	
ODMVMFENTRY_LEN		
	F0	F0
ODMVMFENTRY#LEN		
	F0	F0
ODMVMFFLAGS	2A	
ODMVMFFSNAME	4C	
ODMVMFFSTYPE	2C	
ODMVMFHCOUNT	0	
ODMVMFHDATE	8	
ODMVMFHDAY	10	
ODMVMFHDOT1	14	
ODMVMFHDOT2	17	
ODMVMFHDR#LEN		
	1C	1C
ODMVMFHEADER	0	
ODMVMFHEADER_LEN		
	1C	1C
ODMVMFHEND	1C	
ODMVMFHENTRYPTR		
	4	
ODMVMFHH	22	
ODMVMFHHH	12	
ODMVMFHMM	15	
ODMVMFHMONTH	D	
ODMVMFHPTIME	8	
ODMVMFHSLASH1		
	C	
ODMVMFHSLASH2		
	F	
ODMVMFHSS	18	
ODMVMFHTIME	12	
ODMVMFHYEAR	8	
ODMVMFMM	25	
ODMVMFMNTCODE		
	4	
ODMVMFMONTH	1D	
ODMVMFMOVEFAILURE		
	2A	80
ODMVMFNEXT	0	
ODMVMFPARMDATA		
	B4	
ODMVMFPARMDATALEN		
	14	
ODMVMFPARMMEM		
	44	
ODMVMFPATHNAME		
	78	
ODMVMFPATHNAMELEN		
	10	
ODMVMFRETCODE		
	8	
ODMVMFRSNCODE		
	C	
ODMVMFSLASH1	1C	
ODMVMFSLASH2	1F	
ODMVMFSS	28	
ODMVMFSYSNAME		
	3C	
ODMVMFTIME	22	
ODMVMFTODEBC	18	
ODMVMFYEAR	18	
ODMVMOUNTMODE		
	1C	
ODMVMOUNTPARM		
	8B	
ODMVMSGRCV	F0	C1
ODMVMSGSND	F0	C2
ODMVMULTHREAD		
	35	20
ODMVMULTTHDS	F0	D4
ODMVMVSPAUSE	F0	C7
ODMVMVSWAIT	F0	E8
ODMVNAME	E	8
ODMVNOTFOUND	F0	4
ODMVODCA	4D0	
ODMVOMVSINACT		
	F0	1C
ODMVOMVSPROC	4	
ODMVONETASK	F0	F1
ODMVOPTIONS	C	4
ODMVOPTIONSDATA		
	38	
ODMVOUT	0	
ODMVOUT_LEN	660	660
ODMVOUTARRAY	0	
ODMVOUTARRAY_LEN		
	0	4
ODMVOUTARRAYELEMPTR		
	0	
ODMVOUTARRAYPTR		
	460	
ODMVOUTARRAYSIZE		
	45C	
ODMVOUTPTR	4	
ODMVOUTPUTADDR		
	4C4	
ODMVOUTPUTALET		
	4C0	
ODMVOUTPUTALETADDR		
	4C0	
ODMVOWNER	E	20
ODMVPARMMEMLIST		
	10	
ODMVPARTIAL	484	80
ODMVPATH	4C	
ODMVPEERNAME	57	
ODMVPEERNAMEFLG		
	56	
ODMVPERM	F0	D7
ODMVPERMREG	35	4
ODMVPFS	0	
ODMVPFS_LEN	E8	EC

Name	Hex Offset	Hex Value
ODMVPFS#HFS_0TO3	C	C6E240
ODMVPFS#HFS_4TO7	C	404040
ODMVPFSBIT	C	1
ODMVPFSBLANK	2C	
ODMVPFSCHARS	0	
ODMVPFSCOUNTS	46C	
ODMVPFSCURRENTVALUES	E4	
ODMVPFSDESCRIPTION	8	
ODMVPFSENTRY	1C	
ODMVPFSFIXED	E4	
ODMVPFSFLAGS	29	
ODMVPFSHWMSOCK	DC	
ODMVPFSMAXSOCK	D4	
ODMVPFSNAME	0	
ODMVPFSNAMECOUNT	470	
ODMVPFSNUMS	D4	
ODMVPFSOPNSOCK	D8	
ODMVPFSPARMCOUNT	474	
ODMVPFSPARMLEN	E0	
ODMVPFSPARMS	2C	
ODMVPFSSOCKET	8	
ODMVPFSSTATUS	24	
ODMVPFSTYPECOUNT	46C	
ODMVPFSVFS	10	
ODMVPFSVIRTUAL	E8	
ODMVPID	10	
ODMVPIDPARM	10	
ODMVPIDS	C	2
ODMVPINODENUM	C	
ODMVPPID	14	
ODMVPRCL	0	
ODMVPRCL_LEN	98	AC
ODMVPRCLFBYTE1	0	
ODMVPRCLFBYTE2	1	
ODMVPRCLFBYTE3	2	
ODMVPRCLFBYTE4	3	
ODMVPRCLFCHANGED	0	
ODMVPRCLFCORESIZHBIN	2	80
ODMVPRCLFCORESIZSBIN	1	80
ODMVPRCLFIPCSHMNSEGS	0	1
ODMVPRCLFMAXASSIZE	0	80
ODMVPRCLFMAXCORESIZE	1	2
ODMVPRCLFMAXCPU	0	40
ODMVPRCLFMAXFILEPROC	0	20
ODMVPRCLFMAXFILESIZE	1	40
ODMVPRCLFMAXMEMLHBIN	1	4
ODMVPRCLFMAXMEMLIMIT	1	20
ODMVPRCLFMAXMEMLSBIN	1	8
ODMVPRCLFMAXMLIMITSET	1	10
ODMVPRCLFMAXPROCUSER	0	10
ODMVPRCLFMAXQUEUEDSIGS	0	8
ODMVPRCLFMAXTHREADS	0	4
ODMVPRCLFMAXTHREADTASKS	0	2
ODMVPRCLIMITS	484	20
ODMVPRCLIPCSHMNSEGSC	64	
ODMVPRCLIPCSHMNSEGSH	68	
ODMVPRCLIPCSHMNSEGSM	6C	
ODMVPRCLMAXASSIZEC	4	
ODMVPRCLMAXASSIZEH	8	
ODMVPRCLMAXASSIZEM	C	
ODMVPRCLMAXCORESIZEMHL	74	
ODMVPRCLMAXCORESIZEMSL	70	
ODMVPRCLMAXCPUC	10	
ODMVPRCLMAXCPUH	14	
ODMVPRCLMAXCPUM	18	
ODMVPRCLMAXFILEPROCC	1C	
ODMVPRCLMAXFILEPROCH	20	
ODMVPRCLMAXFILEPROCMHL	28	
ODMVPRCLMAXFILEPROCMSL	24	
ODMVPRCLMAXFILESIZEMHL	30	
ODMVPRCLMAXFILESIZEMSL	2C	
ODMVPRCLMAXMEMLIMITCDW	78	
ODMVPRCLMAXMEMLIMITCH	78	

Name	Hex Offset	Hex Value
ODMVPRCLMAXMEMLIMITCL		
	7C	
ODMVPRCLMAXMEMLIMITHDW		
	80	
ODMVPRCLMAXMEMLIMITHH		
	80	
ODMVPRCLMAXMEMLIMITHL		
	84	
ODMVPRCLMAXMEMLIMITMDWH		
	8C	
ODMVPRCLMAXMEMLIMITMDWHBIN		
	8C	
ODMVPRCLMAXMEMLIMITMDWHM		
	8F	
ODMVPRCLMAXMEMLIMITMDWS		
	88	
ODMVPRCLMAXMEMLIMITMDWSBIN		
	88	
ODMVPRCLMAXMEMLIMITMDWSM		
	8B	
ODMVPRCLMAXPROCUSERC		
	34	
ODMVPRCLMAXPROCUSERH		
	38	
ODMVPRCLMAXPROCUSERM		
	3C	
ODMVPRCLMAXQUEUEDSIGSC		
	40	
ODMVPRCLMAXQUEUEDSIGSH		
	44	
ODMVPRCLMAXQUEUEDSIGSM		
	48	
ODMVPRCLMAXTHREADSC		
	4C	
ODMVPRCLMAXTHREADSH		
	50	
ODMVPRCLMAXTHREADSM		
	54	
ODMVPRCLMAXTHREADTASKSC		
	58	
ODMVPRCLMAXTHREADTASKSH		
	5C	
ODMVPRCLMAXTHREADTASKSM		
	60	
ODMVPRIORITYGOAL		
	2F8	
ODMVPRIORITYPG		
	2A4	
ODMVPROCESS	0	
ODMVPROCESS_LEN		
	9C	A4
ODMVPROTPGPTR		
	4E0	
ODMVPTHDCREATED		
	F0	D1
ODMVPTHREAD	35	10
ODMVPTHREADS	F0	C8
ODMVPTRACE	F0	D7
ODMVPURGEMF	D	2
ODMVQJOBNAME	10	
ODMVQPID	18	
ODMVQSYSTEM	D0	
ODMVQUIESCET	F0	D8
ODMVRESERVEDDATA		
	4C0	

Name	Hex Offset	Hex Value
ODMVRESERVEDDATA2		
	8C	
ODMVRESERVED02		
	1A3	
ODMVRESERVED03		
	650	
ODMVRESERVED04		
	1A	
ODMVRESERVED05		
	37	
ODMVRESERVED06		
	6F	
ODMVRESERVED07		
	D1	
ODMVRESERVED08		
	3F	
ODMVRESERVED1		
	52	
ODMVRESERVED10		
	2F4	
ODMVRESERVED11		
	4A4	
ODMVRESETSYSLHW		
	8	20
ODMVRESPAWN	35	2
ODMVRESPROCLEN		
	0	
ODMVRESPROCNAME		
	4	
ODMVRETCODE	4D4	
ODMVROSECL	210	
ODMVRUID	94	
ODMVRUN	F0	D9
ODMVSECLABEL	9C	
ODMVSECONDARYDATA		
	45C	
ODMVSEMOP	F0	C4
ODMVSER	D	10
ODMVSER#CONDVAR_0TO3		
	24	D6D5C4
ODMVSER#CONDVAR_4TO7		
	24	C1D940
ODMVSER#MUTEX_0TO3		
	24	E4E3C5
ODMVSER#MUTEX_4TO7		
	24	404040
ODMVSERADDR	10	
ODMVSERADDRA	1C	
ODMVSERADDRHI		
	10	
ODMVSERADDRHIA		
	1C	
ODMVSERADDRLO		
	14	
ODMVSERADDRLOA		
	20	
ODMVSERASID	2	
ODMVSEREXC	0	20
ODMVSERFLAGS	0	
ODMVSERHDR	0	
ODMVSERHDR_LEN		
	8	C
ODMVSERJOBNAME		
	4	
ODMVSERLOCID	C	

Name	Hex Offset	Hex Value
ODMVSERLOCIDA	18	
ODMVSEROBJ	0	
ODMVSEROBJ_LEN	24	28
ODMVSEROWNER	0	80
ODMVSERPID	C	
ODMVSERPTR	49C	
ODMVSERREQ	0	
ODMVSERREQ_LEN	18	1C
ODMVSERREQCNT	8	
ODMVSERREQPTR	24	
ODMVSERRESCNT	4	
ODMVSERRESPTR	8	
ODMVSERSHR	0	10
ODMVSERTCB	10	
ODMVSERTYPE	0	
ODMVSERUSERDATA	14	
ODMVSERUSERDATAHI	14	
ODMVSERUSERDATALO	18	
ODMVSERVER	3C	80
ODMVSERVER#01	24	1
ODMVSERVERINFO	40	
ODMVSERVERNAME	40	
ODMVSERVERNUM	0	
ODMVSERVERTYPE	68	
ODMVSERVLINKLIB	5E5	
ODMVSERVLINKLIBLEN	5E4	
ODMVSERVLINKLIBVOL	63F	
ODMVSERVLINKLIBVOLLEN	63E	
ODMVSERVLPALIB	612	
ODMVSERVLPALIBLEN	611	
ODMVSERVLPALIBVOL	646	
ODMVSERVLPALIBVOLLEN	645	
ODMVSERWAITER	0	40
ODMVSETPEXIST	458	10
ODMVSETPGOALCNT	1A1	
ODMVSETPPGCNT	1A0	
ODMVSHORTMF	D	8
ODMVSHRLIBMAXPAGES	44C	
ODMVSHRLIBRGNSIZE	448	
ODMVSLEEP	F0	E2
ODMVSLNAME	E4	
ODMVSLNUM	E0	
ODMVSOCKET	0	
ODMVSOCKET_LEN	57	90
ODMVSOCKETJOBNAME	0	
ODMVSOCKETNAME	1D	
ODMVSOCKETNAMEFLG	1C	
ODMVSOCKETS	E	80
ODMVSTART	26	
ODMVSTARTYD	1F	
ODMVSTATE	10	
ODMVSTATUS	C	
ODMVSTATUS1	34	
ODMVSTATUS2	35	
ODMVSTATUS3	36	
ODMVSTDD	23	
ODMVSTEPLIBLIST	A1	
ODMVSTEPLIBLISTLEN	A0	
ODMVSTHH	26	
ODMVSTMM	28	
ODMVSTOKEN	4C8	
ODMVSTOPPED	35	80
ODMVSTOPST	F0	E3
ODMVSTSS	2A	
ODMVSTYY	1F	
ODMVSUCCESS	F0	0
ODMVSUMMARY	8	80
ODMVSUMMARYDATA	4	
ODMVSUPERUSER	98	
ODMVSWAABOVE	458	1
ODMVSWAP	34	80
ODMVSWAPPED	F0	C9
ODMVSYSCALL_COUNTS	458	40
ODMVSYSL	0	
ODMVSYSL_LEN	74	78
ODMVSYSLFBYTE1	0	
ODMVSYSLFBYTE2	1	
ODMVSYSLFBYTE3	2	
ODMVSYSLFBYTE4	3	
ODMVSYSLFCHANGED	0	
ODMVSYSLFIPCMSGNIDS	0	4
ODMVSYSLFIPCMSGQBYTES	1	40
ODMVSYSLFIPCMSGQMNUM	1	20
ODMVSYSLFIPCSEMNIDS		

Name	Hex Offset	Hex Value
	0	2
ODMVSYSLFIPCSHMMPAGES		
	1	10
ODMVSYSLFIPCSHMNIDS		
	0	1
ODMVSYSLFIPCSHMSPAGES		
	1	80
ODMVSYSLFMAXMMAPAREA		
	0	10
ODMVSYSLFMAXPROCSYS		
	0	80
ODMVSYSLFMAXPTYS		
	0	20
ODMVSYSLFMAXSHRPAGES		
	0	8
ODMVSYSLFMAXUIDS		
	0	40
ODMVSYSLFSHRLIBMAXPAGES		
	1	4
ODMVSYSLFSHRLIBRGNSIZE		
	1	8
ODMVSYSLIMITS		
	484	40
ODMVSYSLIPCMSGNIDSC		
	2C	
ODMVSYSLIPCMSGNIDSH		
	30	
ODMVSYSLIPCMSGQBYTESH		
	4C	
ODMVSYSLIPCMSGQBYTESM		
	50	
ODMVSYSLIPCMSGQMNUMH		
	54	
ODMVSYSLIPCMSGQMNUMM		
	58	
ODMVSYSLIPCSEMNIDSC		
	34	
ODMVSYSLIPCSEMNIDSH		
	38	
ODMVSYSLIPCSHMMPAGESH		
	5C	
ODMVSYSLIPCSHMMPAGESM		
	60	
ODMVSYSLIPCSHMMPAGESMBM		
	74	
ODMVSYSLIPCSHMNIDSC		
	3C	
ODMVSYSLIPCSHMNIDSH		
	40	
ODMVSYSLIPCSHMSPAGESC		
	44	
ODMVSYSLIPCSHMSPAGESH		
	48	
ODMVSYSLIST	E0	
ODMVSYSLMAXMMAPAREAC		
	1C	
ODMVSYSLMAXMMAPAREAH		
	20	
ODMVSYSLMAXPROCSYSC		
	4	
ODMVSYSLMAXPROCSYSH		
	8	
ODMVSYSLMAXPTYSC		
	14	
ODMVSYSLMAXPTYSH		
	18	
ODMVSYSLMAXSHRPAGESC		
	24	
ODMVSYSLMAXSHRPAGESH		
	28	
ODMVSYSLMAXUIDSC		
	C	
ODMVSYSLMAXUIDSH		
	10	
ODMVSYSLSHRLIBMAXPAGESC		
	6C	
ODMVSYSLSHRLIBMAXPAGESH		
	70	
ODMVSYSLSHRLIBRGNSIZEC		
	64	
ODMVSYSLSHRLIBRGNSIZEH		
	68	
ODMVSYSPLEX	458	20
ODMVTHDARRAY	0	
ODMVTHDARRAY_LEN		
	0	4
ODMVTHDARRAYELEMPTR		
	0	
ODMVTHDARRAYPTR		
	468	
ODMVTHDARRAYSIZE		
	464	
ODMVTHDBRL	70	
ODMVTHDBRLDEVNO		
	70	
ODMVTHDBRLFILE		
	7C	
ODMVTHDBRLINO		
	74	
ODMVTHDBRLOFTE		
	8C	
ODMVTHDBRLOWNERPID		
	78	
ODMVTHDBRLREQPTR		
	94	
ODMVTHDBRLRESERVEDATA		
	A4	
ODMVTHDBRLRESERVED1		
	98	
ODMVTHDBRLSYSNAME		
	9C	
ODMVTHDBRLVNOD		
	90	
ODMVTHDEND	AC	
ODMVTHDFLAGS	6E	
ODMVTHDID	0	
ODMVTHDJOBNAME		
	C	
ODMVTHDSTATUS1		
	69	
ODMVTHDSTATUS2		
	6A	
ODMVTHDSTATUS3		
	6B	
ODMVTHDSTATUS4		
	6C	
ODMVTHDSTATUS5		
	6D	
ODMVTHDSYSCALL		
	1C	

Name	Hex Offset	Hex Value
ODMVTHDTAG	28	
ODMVTHDTAGSET	6E	80
ODMVTHDTCB	8	
ODMVTHDTTIME	20	
ODMVTHDUSERNAME	14	
ODMVTHREADS	0	
ODMVTHREADS_LEN	AC	AC
ODMVTTYGROUP	43C	
ODMVTYPE	E	10
ODMVTYPENAME	4	
ODMVUPARM	16	
ODMVUPARM2	26	
ODMVUS	C	10
ODMVUSER	8	
ODMVUSERIDTABLE	1A5	
ODMVUSERIDTABLELEN	1A2	
ODMVVER#ONE	F0	10
ODMVVER#ONEONE	F0	11
ODMVVER#ONETWO	F0	12
ODMVVERNUM	0	
ODMVVERSION	450	
ODMVVSERVER	C	8
ODMVWAITC	F0	C3
ODMVWAITERS	E	40
ODMVWAITF	F0	C6
ODMVWAITO	F0	D2
ODMVWAITP	34	40
ODMVZOMBIE	F0	E9
ODMVZOMBIE2	F0	D3
RESERVED	35	1
RESERVED09	438	

CAFM Heading Information

Common Name: Common Allocation Function Map
Macro ID: IEFZB428
DSECT Name: FUNCMAP
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
Key: 1
Residency: Any
Size: 4 decimal bytes
Created by: Callers of Common Allocation
Pointed to by: Parameter list to IEFAB421
Serialization: None
Function: Indicates what functions are required in Common Allocation

CAFM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	FUNCMAP	COMMON ALLOC FUNCTION MAP
		1...		VOLMNTSW	ALLOW VOLUME MOUNTING
		1...		ALCMOUNT	
		.1..		WRTMSGSW	ALLOC MSGLEVEL INDICATOR
		.1..		ALCMSGLV	
		..1.		UWAITSW	OK TO WAIT FOR UNITS
		..1.		ALCWTUNT	
		...1		VWAITSW	OK TO WAIT FOR VOLUMES
		...1		ALCWTVOL	
		.... 1...		MSSTRMSW	ISSUE MSS TERM CALL
		.... 1...		ALCMSSTM	
		.... .1..		OFFDEVSW	OK TO CONSIDER OFFLINE UNITS
		.... .1..		ALCOFFDV	
		.... ..1.		CCLMNTSW	ALLOW OPERATOR TO CANCEL VOL MOUNTS WITHOUT CANCELING JOB
		.... ..1.		ALCCANCL	
		1		GENLOKSW	FOR SOME (MARKED) SPECIFIC VOL REQS,LOCK WHOLE GENERIC
		1		ALCGENER	
1	(1)	1...		SSEMSGSW	SUBSYSTEM TO RETURN
		1...		ALCSSMSG	ERROR MESSAGES
		.1..		HDRMSGSW	WRITE ALLOC HEADER MSG
		.1..		ALCHDMSG	
		..1.		MTRJOBSW	MONITOR JOBNAMES SWITCH
		..1.		ALCJOBNM	
		...1		NOTIOTNQ	DONT HAVE SCRATCH ENQ TIOT
		...1		ALCNOENQ	
		.... 1...		TRKMSW	ASSIGN TRACK MASK TO SYSOUT DATA SETS
		.... 1...		ALCATRKM	
		.... .1..		WAITOKSW	OK TO WAIT FOR SUBSYSTEM D.S
		.... .1..		ALCSUBWT	
		.... ..1.		ASNMSW	ASSIGN DATA SET NAME TO SUBSYSTEM DATA SET
		.... ..1.		ALCASDSN	
		1		EXTRACAL	CALL FOR RETRY OR REQUEUE
2	(2)	1...		NOBUFWRT	DO NOT CALL IEEAB401 TO WRITE MESSAGE BUFFER
		.1..		CAFMSGS	GET MESSAGES DURING SMS EXITS
		..1.		ALCXTIOT	XTIOT REQUESTED (DYNAMIC ALLOCATION ONLY)
		...1		ALCMNTCR	Allocation request on behalf of the MOUNT command
		.... 1...		ALCNOCAP	NOCAPTURE request (Dynamic Allocation only)

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CAFM Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... .1..		LOGSMSER	Request SMS LOGREC entry. Is only to be set by IEFDB413, as Batch callers will always have messages issued.
		.... ..1.		FNCDSABA	Propagation bit for SVC 99 request for DSAB above the 16MB line. Set by: IEFDB413 Read by: IEFAB421
2	(2)	BITSTRING	1	*	RESERVED

CAFM Cross Reference

Name	Hex Offset	Hex Value
ALCASDSN	1	02
ALCATRKM	1	08
ALCCANCL	0	02
ALCGENER	0	01
ALCHDMSG	1	40
ALCJOBNM	1	20
ALCMNTCR	2	10
ALCMOUNT	0	80
ALCMSGLV	0	40
ALCMSSTM	0	08
ALCNOCAP	2	08
ALCNOENQ	1	10
ALCOFFDV	0	04
ALCSSMSG	1	80
ALCSUBWT	1	04
ALCWTUNT	0	20
ALCWTVOL	0	10
ALCXTIOT	2	20
ASNMSW	1	02
CAFMSGS	2	40
CCLMNTSW	0	02
EXTRACAL	1	01
FNCDSABA	2	02
FUNCMAP	0	
GENLOKSW	0	01
HDRMSGSW	1	40
LOGSMSER	2	04
MSSTRMSW	0	08
MTRJOBSW	1	20
NOBUFWRT	2	80
NOTIOTNQ	1	10
OFFDEVSW	0	04
SSEMSGSW	1	80
TRKMSW	1	08
UWAITSW	0	20
VOLMNTSW	0	80
VWAITSW	0	10
WAITOKSW	1	04
WRTMSGSW	0	40

CBDZCIP Programming Interface information

Programming Interface information

CBDZCIP

End of Programming Interface information

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CBDZCIP Heading Information

Common Name: Control Unit Information Parameters (CIP)
Macro ID: CBDZCIP
DSECT Name: CIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: CIP
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by UIM
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Control Unit Information Parameters

CBDZCIP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	CIP (0)	CU Information Parameters
0	(0)	CHARACTER	4	CIPID	CIP identifier ('CIP ')
4	(4)	ADDRESS	1	CIPVER	CIP version number X'01'
5	(5)	BITSTRING	3		Reserved
8	(8)	CHARACTER	12	CIPUNMD (0)	Control unit type and model
8	(8)	CHARACTER	8	CIPUNIT	Control unit type
16	(10)	CHARACTER	4	CIPMODL	Model number (hex zero if not present)
20	(14)	ADDRESS	4	CIPGROUP	Control Unit grouping
		....		CIPGDASD	"X'80000000'" .. DASD
		....		CIPGTAPE	"X'40000000'" .. Tape
		....		CIPGCLUS	"X'20000000'" .. Cluster Controller
		....		CIPGCOMM	"X'10000000'" .. Communication Controller
		....		CIPGMICR	"X'08000000'" .. MICR/OCR
		....		CIPGGRPH	"X'04000000'" .. Graphics device
		....		CIPGUR	"X'02000000'" .. Unit Record
		....		CIPGOTHR	"X'01000000'" .. Other
24	(18)	BITSTRING	3		Reserved
27	(1B)	BITSTRING	1	CIPFLAG	Flag byte
		1...		CIPFCUD	"X'80'" .. Device and CU are physically the same
		.1..		CIPFDMOD	"X'40'" .. This model is the default model for this CU
		..1.		CIPFRAID	"X'20'" .. Reserved
28	(1C)	BITSTRING	4		Reserved
32	(20)	BITSTRING	12		Reserved

Comment

Special validation flags

End of Comment

44	(2C)	BITSTRING	1	CIPVALF	Validation flags
		1...		CIPUAES0	"X'80'" .. If 1, indicates that the unit address range must start with 00 when the control unit is connected to an ESCON channel path
		.1..		CIPXHCON	"X'40'" .. If 1, indicates that the control unit can only be connected to one host (LPAR) at a time
		..1.		CIPNOMIF	"X'20'" .. If 1, indicates that the control unit can not be connected to a shared channel path.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		...1		CIPCUSTR	"X'10'" .. If 1, indicates that the control unit needs to be customized, if the link address changes.
		.... .1..		CIPFCNMX	"X'04'" .. If 1, indicates that the control unit does not support an intermix of ESCON and native FICON channels
45	(2D)	BITSTRING	1		Reserved
		Comment			
		Processing Flags			
		End of Comment			
46	(2E)	BITSTRING	1	CIPPRFLG	Processing flags
		1...		CIPPTUDL	"X'80'" .. Update attachable device list only
		.1..		CIPFINT	"X'40'" .. if 1, internal CIT to be built
		..1.		CIPNOFCV	"X'20'" .. if 1, CNC attachment support is not defaulted to FCV
47	(2F)	BITSTRING	1		Reserved
		Comment			
		Attachment Information			
		End of Comment			
48	(30)	ADDRESS	2	CIPMXDEV	maximum number of devices which can be attached to CU (contains hex zero, if no upper limit is defined)
50	(32)	ADDRESS	2	CIPRUAN	recommended number of unit addresses (contains hex zero, if no value is defined)
52	(34)	BITSTRING	2	CIPATTT	Attachment type
52	(34)	BITSTRING	0	CIPATBL	"X'8000'" .. attachable to BlockMPX (par.)
52	(34)	BITSTRING	0	CIPATBY	"X'4000'" .. attachable to ByteMPX (par.)
52	(34)	BITSTRING	0	CIPATSER	"X'2000'" .. attachable to ESCON channel (TYPE=CNC)
52	(34)	BITSTRING	0	CIPATCTC	"X'1000'" .. attachable to ESCON CTC
52	(34)	BITSTRING	0	CIPATFX	"X'0800'" .. attachable to ESCON converter channel (TYPE=CVC)
52	(34)	BITSTRING	0	CIPATIOC	"X'0400'" .. attachable to IOC channel
52	(34)	BITSTRING	0	CIPATIRC	"X'0200'" .. attachable to IRC CHPID
52	(34)	BITSTRING	0	CIPATISC	"X'0100'" .. attachable to ISC CHPID
		1...		CIPATCBY	"X'0080'" .. attachable to CBY CHPID
		.1..		CIPATOSA	"X'0040'" .. attachable to OSA CHPID
		..1.		CIPATISD	"X'0020'" .. attachable to ISD CHPID
		...1		CIPATDSD	"X'0010'" .. attachable to DSD chpid
		.... .1..		CIPATFC	"X'0004'" .. attachable to FC CHPID
		.... ..1.		CIPATFCV	"X'0002'" .. attachable to FCV CHPID
54	(36)	BITSTRING	1	CIPSPROT	Supported protocols
		1...		CIPSPINT	"X'80'" .. DC interlock
		.1..		CIPSPSTR	"X'40'" .. Data streaming
		..1.		CIPSP4MB	"X'20'" .. 4.5MB data streaming
55	(37)	ADDRESS	1	CIPMXCHP	Maximum number of CHPIDs which can be attached to control unit (contains hex zero, if no value is defined)
		Comment			
		Control Unit Type information			
		End of Comment			
56	(38)	BITSTRING	2	CIPCUTYP	CU type
56	(38)	BITSTRING	0	CIPCUCTC	"X'8000'" .. CU type = CTC
56	(38)	BITSTRING	0	CIPCUSWI	"X'4000'" .. CU type = Switch
56	(38)	BITSTRING	0	CIPCUOSA	"X'2000'" .. CU type = OSA
58	(3A)	BITSTRING	2		Reserved

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
		Logical CU addressing			
				End of Comment	
60	(3C)	BITSTRING	1	CIPLFLGS	Logical CU addressing flags
		1...		CIPLFRS	"X'80'" .. allowed range for CUADD specified
		.1..		CIPLFMHC	"X'40'" .. multiple hosts can connect to the same CU address
		..1.		CIPLFCUS	"X'20'" .. control unit supports CUADD
61	(3D)	ADDRESS	1	CIPLMIN	Minimum value of allowed CUADD
62	(3E)	ADDRESS	1	CIPLMAX	Maximum value of allowed CUADD
63	(3F)	ADDRESS	1	CIPLMXNO	Maximum number of logical control units supported (contains hex zero, if no value is defined)
				Comment	
		Default Settings			
				End of Comment	
64	(40)	ADDRESS	1	CIPDIOCL	Default I/O concurrency level
64	(40)	X'1'	0	CIPDIOT1	"1" .. one I/O request at a time
64	(40)	X'2'	0	CIPDIOT2	"2" .. multiple I/O requests
64	(40)	X'3'	0	CIPDIOT3	"3" .. multiple I/O requests until dedicated allegiance
65	(41)	ADDRESS	1	CIPDPROT	Default protocol used
65	(41)	X'1'	0	CIPDPDC	"1" .. DC interlock protocol
65	(41)	X'2'	0	CIPDPDS	"2" .. 3.0MB data streaming prot
65	(41)	X'3'	0	CIPDPDS4	"3" .. 4.5MB data streaming prot
66	(42)	BITSTRING	2		Reserved
68	(44)	BITSTRING	8		Reserved
				Comment	
		Attachable device information			
				End of Comment	
76	(4C)	ADDRESS	4	CIPDVLC	Count of device names in list
80	(50)	ADDRESS	4	CIPDVLP	Pointer to device list
84	(54)	ADDRESS	4		Reserved
				Comment	
		Unit address/range Rules Note: if any of the below values is zero, no policing will be done.			
				End of Comment	
88	(58)	CHARACTER	8	CIPUADEF (0)	Unit address rules for control unit
88	(58)	ADDRESS	2	CIPMINUA	Minimum number of unit addresses
90	(5A)	ADDRESS	2	CIPMAXUA	Maximum number of unit addresses
92	(5C)	ADDRESS	2	CIPMXUAR	Maximum number of unit address ranges supported by control unit
94	(5E)	ADDRESS	2		Reserved
				Comment	
		Logical Path Rules			
				End of Comment	
96	(60)	ADDRESS	2	CIPMXPTH	Maximum number of logical paths supported by the control unit. (contains hex zero if no maximum is defined)
98	(62)	ADDRESS	2	CIPMNGRP	Minimum group attachment value
100	(64)	ADDRESS	2	CIPMXPRT	Maximum number of logical paths on a single ESCON control unit port (contains hex zero if no maximum is defined)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
102	(66)	ADDRESS	2	CIPMXPFC	Maximum number of logical paths on a single FICON control unit port (contains hex zero if no maximum is defined)
104	(68)	BITSTRING	4		Reserved
				Comment	
		Attachment Information Part 2			
				End of Comment	
108	(6C)	ADDRESS	2	CIPMINDV	minimum number of devices which can be connected to CU (contains hex zero, if no lower limit is defined)
110	(6E)	ADDRESS	2	CIPRAID	Reserved
112	(70)	ADDRESS	2	CIPNRAID	Reserved
114	(72)	BITSTRING	2		Reserved
				Comment	
		Pointer to CIP extension			
				End of Comment	
116	(74)	ADDRESS	4	CIPEXTPT	Pointer to extension area
120	(78)	BITSTRING	8		Reserved
				Comment	
		The following array maps the attachable device list. If more than one device exists which can be attached to the control unit you must code DEV=n on the macro statement where 'n' is the number of devices.			
				End of Comment	
128	(80)	SIGNED	4	CIPADEV (0)	Attachable device list
128	(80)	BITSTRING	12		Device type/model
128	(80)	X'C'	0	CIPALENG	"*-CIPADEV" Length of attachable device list
				Comment	
		CIP Extension Area			
				End of Comment	
140	(8C)	SIGNED	4	CIPEXTAR (0)	Extension area mapping
140	(8C)	BITSTRING	32	CIPVALUA	
172	(AC)	BITSTRING	32	CIPREQUA	Required unit addresses
204	(CC)	CHARACTER	17	CIPPROUA (0)	Recommended unit addresses
204	(CC)	BITSTRING	1	CIPRUARN	Number of UA ranges
205	(CD)	BITSTRING	2	CIPRUARS (8)	Array of ranges
205	(CD)	BITSTRING	1	CIPRUA	Starting unit address
206	(CE)	BITSTRING	1	CIPRUARF	Replication factor
221	(DD)	X'10'	0	CIPRUALN	"*-CIPRUARS" Length of array
221	(DD)	BITSTRING	15		Reserved
236	(EC)	BITSTRING	8	CIPCHPAT (0)	Chpid type attachments
236	(EC)	BITSTRING	2		Chpid type attachments 1
238	(EE)	BITSTRING	2	CIPATTT2	Chpid type attachments 2
238	(EE)	BITSTRING	0	CIPATCBR	"X'8000'" .. attachable to CBR chpid
238	(EE)	BITSTRING	0	CIPATCBS	"X'4000'" .. attachable to CBS chpid
238	(EE)	BITSTRING	0	CIPATICR	"X'2000'" .. attachable to ICR chpid
238	(EE)	BITSTRING	0	CIPATICS	"X'1000'" .. attachable to ICS chpid
238	(EE)	BITSTRING	0	CIPATOSD	"X'0800'" .. attachable to OSD chpid
238	(EE)	BITSTRING	0	CIPATOSE	"X'0400'" .. attachable to OSE chpid
238	(EE)	BITSTRING	0	CIPATEIO	"X'0200'" .. attachable to EIO chpid
238	(EE)	BITSTRING	0	CIPATCFP	"X'0100'" .. attachable to CFP chpid
		1...		CIPATCBP	"X'0080'" .. attachable to CBP chpid
		.1..		CIPATICP	"X'0040'" .. attachable to ICP chpid
		..1.		CIPATIQD	"X'0020'" .. attachable to IQD chpid

CBDZCIP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		...1		CIPATFCP	"X'0010'" .. attachable to FCP chpid
		.... .1..		CIPATOSC	"X'0004'" .. attachable to OSC chpid
240	(F0)	BITSTRING	4		Reserved
244	(F4)	BITSTRING	24		Reserved
244	(F4)	X'80'	0	CIPEXTLN	"*-CIPEXTAR" Length of extension area

CBDZCIP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CIP	0		CIPFINT	2E	40
CIPADEV	80		CIPFLAG	1B	0
CIPALENG	80	C	CIPFRAID	1B	20
CIPATBL	34	8000	CIPGCLUS	14	0
CIPATBY	34	4000	CIPGCOMM	14	0
CIPATCBP	EE	80	CIPGDASD	14	0
CIPATCBR	EE	8000	CIPGGRPH	14	0
CIPATCBS	EE	4000	CIPGMICR	14	0
CIPATCBY	34	80	CIPGOTHR	14	0
CIPATCFP	EE	100	CIPGROUP	14	
CIPATCTC	34	1000	CIPGTAPE	14	0
CIPATDSD	34	10	CIPGUR	14	0
CIPATEIO	EE	200	CIPID	0	C3C9D740
CIPATFC	34	4	CIPLFCUS	3C	20
CIPATFCP	EE	10	CIPLFLGS	3C	0
CIPATFCV	34	2	CIPLFMHC	3C	40
CIPATFX	34	800	CIPLFRS	3C	80
CIPATICP	EE	40	CIPLMAX	3E	
CIPATICR	EE	2000	CIPLMIN	3D	
CIPATICS	EE	1000	CIPLMXNO	3F	
CIPATIOC	34	400	CIPMAXUA	5A	
CIPATIQD	EE	20	CIPMINDV	6C	
CIPATIRC	34	200	CIPMINUA	58	
CIPATISC	34	100	CIPMNGRP	62	
CIPATISD	34	20	CIPMODL	10	40404040
CIPATOSA	34	40	CIPMXCHP	37	
CIPATOSC	EE	4	CIPMXDEV	30	
CIPATOSD	EE	800	CIPMXPFC	66	
CIPATOSE	EE	400	CIPMXPRT	64	
CIPATSER	34	2000	CIPMXPTH	60	
CIPATTT	34	0	CIPMXUAR	5C	
CIPATTT2	EE	0	CIPNOFCV	2E	20
CIPCHPAT	EC		CIPNOMIF	2C	20
CIPCUCTC	38	8000	CIPNRAID	70	
CIPCUOSA	38	2000	CIPPRFLG	2E	0
CIPCUSTR	2C	10	CIPPROUA	CC	
CIPCUSWI	38	4000	CIPPTUDL	2E	80
CIPCUTYP	38	0	CIPRAID	6E	
CIPDIOCL	40		CIPREQUA	AC	0
CIPDIOT1	40	1	CIPRUA	CD	
CIPDIOT2	40	2	CIPRUALN	DD	10
CIPDIOT3	40	3	CIPRUAN	32	
CIPDPDC	41	1	CIPRUARF	CE	
CIPDPDS	41	2	CIPRUARN	CC	0
CIPDPDS4	41	3	CIPRUARS	CD	0
CIPDPROT	41		CIPSPINT	36	80
CIPDVLC	4C		CIPSPROT	36	0
CIPDVLP	50		CIPSPSTR	36	40
CIPEXTAR	8C		CIPSP4MB	36	20
CIPEXTLN	F4	80	CIPUADEF	58	
CIPEXTPT	74		CIPUAES0	2C	80
CIPFCNMX	2C	4	CIPUNIT	8	40404040
CIPFCUD	1B	80	CIPUNMD	8	
CIPFDMOD	1B	40	CIPVALF	2C	0

Name	Hex Offset	Hex Value
CIPVALUA	8C	FFFFFFFF
CIPVER	4	
CIPXHCON	2C	40

CBDZDCP Programming Interface information

Programming Interface information

CBDZDCP

End of Programming Interface information

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CBDZDCP Heading Information

Common Name: Device Characteristics Parameters
Macro ID: CBDZDCP
DSECT Name: DCP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: DCP
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Device Characteristics Parameters for DASD UIMs

CBDZDCP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Device Characteristics Parms.
0	(0)	CHARACTER	4	DCPID	DCP identifier
4	(4)	CHARACTER	4	DCPHDR (0)	Word of control information
4	(4)	BITSTRING	1	DCPTYPE	DASD type code (same as UCBTBYT4)
5	(5)	SIGNED	1	DCPLNGTH	Length of DCT entry
6	(6)	BITSTRING	2		Reserved and should be zero
6	(6)	X'8'	0	DCPHDEND	"*" End of DCP header
8	(8)	CHARACTER	22	DCPENTRY (0)	Device Characteristics Parameters entry. Note that its length must change when fields are added or deleted from the MVSCP.
8	(8)	SIGNED	2	DCPCYL	Physical number of cylinders per volume
10	(A)	SIGNED	2	DCPTRK	Number of tracks per cylinder
12	(C)	SIGNED	2	DCPTRKLN	Number of bytes per track
14	(E)	SIGNED	2	DCPOVHD (0)	Overhead for all records
14	(E)	SIGNED	1	DCPOVHNL	Overhead for not last records
15	(F)	SIGNED	1	DCPOVHL	Overhead for last record
16	(10)	SIGNED	1	DCFOVNK	Decrement for non-keyed records
17	(11)	BITSTRING	1	DCPFLAGS	Flags
		...1		DCPMODU	"X'10'" Track requires modulo arithmetic
		.... 1...		DCP2BOV	"X'08'" DCPOVHD field valid
		.... .1..		DCPBI	"X'04'" Device has 2301 related addressing.
		.... ..1.		DCPBB	"X'02'" Device has BB and CCHHR addressing
		1		DCPFTOL	"X'01'" Apply tolerance factor
18	(12)	SIGNED	2	DCPTOL	Tolerance
20	(14)	SIGNED	2	DCPALT	Alternate tracks
22	(16)	SIGNED	2	DCPOVR0	Record 0 overhead
24	(18)	SIGNED	1	DCPSECT	Number of sectors in full track
25	(19)	SIGNED	1	DCPDSECT	Number of data sectors
26	(1A)	SIGNED	2	DCPBPSEC	Bytes per sector
28	(1C)	SIGNED	2	DCPMOD1	Modulo factor
28	(1C)	X'1E'	0	DCPEND	"*" End of DCP header and entry.
0	(0)	CHARACTER	30	DCP	Device Characteristics Parms.
30	(1E)	CHARACTER	4	DCPIDNM	Constant for DCPID.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		The following constants are used to fill in the DCPINDEX field which indicates the DASD type code for the particular entry.			
		End of Comment			
		.... .111		DCP23052	"X'07'" DASD type code for 2305-2 entry.
		.... 1..1		DCP3330	"X'09'" DASD type code for 3330 entry.
		.... 1.1.		DCP3340	"X'0A'" DASD type code for 3340 entry.
		.... 1.11		DCP3350	"X'0B'" DASD type code for 3350 entry.
		.... 11..		DCP3375	"X'0C'" DASD type code for 3375 entry.
		.... 11.1		DCP33301	"X'0D'" DASD type code for 3330, Mod 11 entry.
		.... 111.		DCP3380	"X'0E'" DASD type code for 3380 entry.
		 1111		DCP3390	"X'0F'" DASD type code for 3390 entry.

CBDZDCP Cross Reference

Name	Hex Offset	Hex Value
DCFOVNK	10	
DCP	0	
DCPALT	14	
DCPBB	11	2
DCPBI	11	4
DCPBPSEC	1A	
DCPCYL	8	
DCPDSECT	19	
DCPEND	1C	1E
DCPENTRY	8	
DCPFLAGS	11	
DCPFTOL	11	1
DCPHDEND	6	8
DCPHDR	4	
DCPID	0	
DCPIDNM	1E	C4C3D740
DCPLNGTH	5	
DCPMODU	11	10
DCPMOD1	1C	
DCPOVHD	E	
DCPOVHL	F	
DCPOVHNL	E	
DCPOVR0	16	
DCPSECT	18	
DCPTOL	12	
DCPTRK	A	
DCPTRKLN	C	
DCPTYPE	4	
DCP2BOV	11	8
DCP23052	1E	7
DCP3330	1E	9
DCP33301	1E	D
DCP3340	1E	A
DCP3350	1E	B
DCP3375	1E	C
DCP3380	1E	E
DCP3390	1E	F

CBDZDEVL Programming Interface information

Programming Interface information

CBDZDEVL

End of Programming Interface information

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CBDZDEVL Heading Information

Common Name: Device Information Look-up Parameter List
Macro ID: CBDZDEVL
DSECT Name: DEVL
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: DEVL
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by UIM
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Device Information Lookup Parameter List

CBDZDEVL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	DEVL (0)	Device Information lookup parameters
0	(0)	CHARACTER	4	DEVLID	DEVL identifier ('DEVL')
4	(4)	ADDRESS	1	DEVLVER	Version number '01'
4	(4)	X'1'	0	DEVLVERN	"1" .. Version number of DEVL
5	(5)	ADDRESS	1	DEVLFUNC	Function to be performed by the Look-Up Routine
5	(5)	X'1'	0	DEVLSPCU	"1" .. Return device information in the format of an internal text record Return all devices which are grouped together via the same PCU value.
5	(5)	X'2'	0	DEVLSCU	"2" .. Return device information in the format of an internal text record Return all devices which are attached to the same control unit
5	(5)	X'3'	0	DEVLCU	"3" .. Return control unit information, such as type & model of the control unit identified by DEVLQCU
5	(5)	X'4'	0	DEVLDEV	"4" .. Return OS device information, identified by DEVLDPTR
6	(6)	BITSTRING	2		Reserved, must be zero
8	(8)	ADDRESS	2	DEVLDLEN	Length of data area used to contain the IODV on return
10	(A)	ADDRESS	2		Reserved
12	(C)	ADDRESS	4	DEVLDPTR	Address of data area containing the internal text record, representing the device
16	(10)	ADDRESS	4	DEVLRETC	Return code

Comment

The following fields define the qualifiers. The allow the calling routine to narrow the device records being accessed

End of Comment

20	(14)	ADDRESS	2	DEVLQPCU	PCU number
22	(16)	ADDRESS	2	DEVLQCU	Control unit number
24	(18)	ADDRESS	2	DEVLADDR	Device address
26	(1A)	BITSTRING	18		Reserved

Comment

The following fields define the control unit information returned by the device look-up routine.

End of Comment

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
44	(2C)	CHARACTER	32	DEVLINFO (0)	Control unit information
44	(2C)	CHARACTER	8	DEVLCTYP	Control unit type
52	(34)	CHARACTER	4	DEVLCMOD	Control unit model
56	(38)	BITSTRING	20		Reserved
		Comment			
		The following workarea is only used by the Look-up Routine			
		End of Comment			
76	(4C)	BITSTRING	32	DEVLWORK	DEVL Workarea
76	(4C)	X'6C'	0	DEVLLENG	"*-DEVL" Length of parameter list
108	(6C)	CHARACTER	4	DEVLIDNM	Constant for DEVL control block id

CBDZDEVL Cross Reference

Name	Hex Offset	Hex Value
DEVL	0	
DEVLADDR	18	
DEVLCMOD	34	
DEVLCTYP	2C	
DEVLCU	5	3
DEVLDEV	5	4
DEVLDLEN	8	
DEVLDPTR	C	
DEVLFUNC	5	
DEVLID	0	C4C5E5D3
DEVLIDNM	6C	C4C5E5D3
DEVLINFO	2C	
DEVLLENG	4C	6C
DEVLQCU	16	
DEVLQPCU	14	
DEVLRETC	10	
DEVLSCU	5	2
DEVLSPCU	5	1
DEVLVER	4	
DEVLVERN	4	1
DEVLWORK	4C	0

CBDZDFP Programming Interface information

Programming Interface information

CBDZDFP

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

- DFPIOSUS

End of Programming Interface information

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CBDZDFP Heading Information

Common Name: Device Features Parameters
Macro ID: CBDZDFP
DSECT Name: DFP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: DFP
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by UIM
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Device Features Parameters

CBDZDFP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Device Features Parameters.
0	(0)	CHARACTER	4	DFPID	DFP identifier
4	(4)	BITSTRING	1	DFPVER	DFP version number
		1		DFPVERN	"X'01'" .. Version number X'01'
5	(5)	BITSTRING	3		Reserved
8	(8)	CHARACTER	8	DFPNAME	Generic name
16	(10)	SIGNED	4	DFPDNBR	Binary device number used to set the UCBNAME field
20	(14)	SIGNED	4	DFPCHAN	Binary device number used to fill in UCBCHAN field for a multiple exposure device
24	(18)	ADDRESS	4	DFPDDSP	Address of UCB device dependent segment information
28	(1C)	SIGNED	4	DFPDDSL	Length of UCB device dependent segment information
32	(20)	ADDRESS	4	DFPDDEP	Address of UCB device dependent extension information
36	(24)	SIGNED	4	DFPDDEL	Length of UCB device dependent extension information
40	(28)	ADDRESS	4	DFPDCEP (0)	Address of UCB device class extension information
40	(28)	SIGNED	4	DFPDCEN	Device number for the UCB whose device class extension this UCB should point to (valid when DFPMXDCE is set)
44	(2C)	SIGNED	4	DFPDCEL	Length of UCB device class extension information
48	(30)	SIGNED	4	DFPUCBTY (0)	UCB device type information
48	(30)	BITSTRING	1	DFPTBYT1	Model bits
49	(31)	BITSTRING	1	DFPTBYT2	Option flags
		1...		DFP2OPT0	"X'80'" Flag 0
		.1..		DFP2OPT1	"X'40'" Flag 1
		..1.		DFP2OPT2	"X'20'" Flag 2
		..1.		DFPDUDN1	"X'20'" Value used to fill in UCBDUDN1 field
		..1.		DFPRR	"X'20'" Value used to fill in UCBRR field
		...1		DFP2OPT3	"X'10'" Flag 3
		...1		DFPDUDN2	"X'10'" Value used to fill in UCBDUDN2 field
		.... 1...		DFP2OPT4	"X'08'" Flag 4
		.... .1..		DFP2OPT5	"X'04'" Flag 5
		.... ..1.		DFP2OPT6	"X'02'" Flag 6
		1		DFP2OPT7	"X'01'" Flag 7
		1		DFPDVPWR	"X'01'" Value used to fill in UCBDVPWR field
50	(32)	BITSTRING	1	DFPTBYT3	Class bits
51	(33)	BITSTRING	1	DFPTBYT4	Device code
52	(34)	BITSTRING	1	DFPETI	A binary number used to fill in UCBETI field (this field is used by the exit effector routine to complete the 8-byte name of an IBM-supplied error routine for this device)
53	(35)	BITSTRING	1	DFPFL5	Value used to fill in UCBFL5 field

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1...		DFPDCC	"X'80'" Disconnect command chain device
		...1		DFPVSDR	"X'10'" Device has variable length SDRs
		.... 1...		DFPENVRD	"X'08'" Device returns environmental data
		.... .1..		DFPNALOC	"X'04'" Last path to device must not be varied offline
		.... ..1.		DFPALTCU	"X'02'" Device has alternate control unit
54	(36)	BITSTRING	1	DFPFL6	Value used to fill in UCBFL6 field (this field is device dependent)
		1...		DFPASUN	"X'80'" Assign/unassign commands supported
		.1..		DFPMDISP	"X'40'" Device has message display
		..1.		DFPDBUF	"X'20'" Data is buffered prior to storing on permanent media
		...1		DFPIDS	"X'10'" Block ID
		.... 1...		DFPSELFD	"X'08'" Device supports self description
		.... .1..		DFPSMSMM	"X'04'" SMS Managed Mountable
		1		DFPIOT	"X'01'" Flag indicating that the I/O timing functions are supported for this device
55	(37)	BITSTRING	1	DFPFLP1	Value used to fill in UCBFLP1 field
		.1..		DFPSHRUP	"X'40'" Device is sharable when in UP mode
		..1.		DFPRERP	"X'20'" Resident ERP routine
		.... 1...		DFPSWAPF	"X'08'" Device can be swapped by DDR
		.... .1..		DFPERLOG	"X'04'" Error log present in this device
		.... ..1.		DFPDYNPH	"X'02'" Dynamic pathing availability is an optional feature for this device
		1		DFPRALOC	"X'01'" Device cannot be allocated
56	(38)	BITSTRING	1	DFPATI	Attention table index, used to fill in UCBATI field
57	(39)	BITSTRING	1	DFPSNSCT	Number of sense bytes to be read from this device, this value is used to fill in UCBSNSCT field
58	(3A)	BITSTRING	1	DFPFLAG1	DFP flag field
		1...		DFPPRES	"X'80'" Device is physically non-removable, used to fill in UCBPRES field
		.1..		DFPMTPXP	"X'40'" Device has multiple exposures
		..1.		DFPMIHPB	"X'20'" MIH processing should be bypassed
		...1		DFPOFFLN	"X'10'" Device should be offline when the operating system is IPLed
		.... ..1.		DFPEIDAW	"X'02'" If set, indicates that device supports the 64-bit IDAW format.
		1		DFP2IDAW	"X'01'" If set, indicates that device supports 2K 64-bit IDAW format.
59	(3B)	BITSTRING	1	DFPFLAG2	DFP flag field
		1...		DFPMXDCE	"X'80'" The UCB corresponding to this DFP should point to the device class extension for the UCB for device number DFPDCEN
		.1..		DFPNOEDT	"X'40'" This device number should not be represented in the EDT
		..1.		DFPNOESO	"X'20'" This device number should not be included in any system-generated esoteric when building the EDT.
		...1		DFPPAVB	"X'10'" Indicates device is a PAV-base device. If set, DFPMTPXP is also set
		.... 1...		DFPPAVA	"X'08'" Indicates device is a PAV-alias device. If set, DFPMTPXP is also set
		.... .1..		DFPDE31	"X'04'" If on, indicates that device support code supports 31 bit storage.
		.... ..1.		DFPMIDAW	"X'02'" If on, indicates that device support code supports MIDAWs.
60	(3C)	BITSTRING	1	DFPDSTCT	Number of 10 byte statistics table entries to be used by the ERP for this device
61	(3D)	CHARACTER	1		Reserved, must be zero
62	(3E)	BITSTRING	1		Reserved, must be zero
63	(3F)	BITSTRING	1	DFPDCES	Subchannel set ID of device number in DFPDCEN for the UCB whose DCE this UCB should point to (valid when DFPMXDCE is set)
64	(40)	ADDRESS	4	DFPRELP	Pointer to array containing UCB relocation information
68	(44)	SIGNED	4	DFPRELCT	Number of entries in array of UCB relocation information
72	(48)	CHARACTER	4	DFPDFLTM	Default model number
76	(4C)	CHARACTER	4	DFPIOSUS	For IOS use

CBDZDFP Cross Reference

Offsets Dec	Offsets Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	CHARACTER	20		Reserved, must be zero
80	(50)	X'64'	0	DFPEND	"*" End of DFP.
0	(0)	CHARACTER	100	DFP	Device Features Parameters.
100	(64)	CHARACTER	4	DFPCBID	Constant for DFPCBID.

Comment

The following maps the array of UCB relocation information.
If n greater than zero arrays are required, you must code
RELOC=n on the macro statement.

End of Comment

104	(68)	CHARACTER	12	DFPRELAR (0)	Array of UCB relocation information
104	(68)	BITSTRING	1	DFPPSEG	UCB segment type where the ACON is located
105	(69)	BITSTRING	1	DFPPALEN	ACON length if not specified, default = 4
106	(6A)	SIGNED	2	DFPPOFF	Offset into segment where the ACON is located
108	(6C)	BITSTRING	1	DFPRSEG	UCB segment type where the ACON points
109	(6D)	CHARACTER	2		Reserved, must be zero
111	(6F)	BITSTRING	1	DFPRSSID	Subchannel set ID of device number in field DFPRDNBR of the UCB where the ACON points
112	(70)	SIGNED	4	DFPRDNBR	Device number of the UCB where the ACON points
104	(68)	X'68'	0	DFPREND	"*" End of DFPRELAR
104	(68)	X'0'	0	DFPRLEN	"DFPREND-DFPRELAR" Total length of DFPRELAR array.

Comment

The following constants are used to fill in the DFPPSEG
and DFPRSEG fields. Note - DFPCMSEG and DFPPREFX can only
be used to fill in the DFPRSEG field.

End of Comment

....1	DFPDDSEG	"X'01'" .. Device dependent segment
.... ..1.	DFPDDEXT	"X'02'" .. Device dependent extension
.... ..11	DFPDCEXT	"X'03'" .. Device class extension
.... .1..	DFPCMSEG	"X'04'" .. Common segment
.... .1.1	DFPPREFX	"X'05'" .. Prefix

CBDZDFP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DFP	0		DFPDSTCT	3C	
DFPALTCU	35	2	DFPDUDN1	31	20
DFPASUN	36	80	DFPDUDN2	31	10
DFPATI	38		DFPDVPWR	31	1
DFPCBID	64	C4C6D740	DFPDYNPH	37	2
DFPCHAN	14		DFPEIDAW	3A	2
DFPCMSEG	68	4	DFPEND	50	64
DFPDBUF	36	20	DFPENVRD	35	8
DFPDCC	35	80	DFPERLOG	37	4
DFPDCEL	2C		DFPETI	34	
DFPDCEN	28		DFPFLAG1	3A	
DFPDCEP	28		DFPFLAG2	3B	
DFPDCES	3F		DFPFLP1	37	
DFPDCEXT	68	3	DFPFL5	35	
DFPDDEL	24		DFPFL6	36	
DFPDDEP	20		DFPID	0	
DFPDDEXT	68	2	DFPIDS	36	10
DFPDDSEG	68	1	DFPIOSUS	4C	
DFPDDSL	1C		DFPIOT	36	1
DFPDDSP	18		DFPMDISP	36	40
DFPDE31	3B	4	DFPMIDAW	3B	2
DFPDFLTM	48		DFPMIHPB	3A	20
DFPDNBR	10		DFPMTPXP	3A	40

Name	Hex Offset	Hex Value
DFPMXDCE	3B	80
DFPNALOC	35	4
DFPNAME	8	
DFPNOEDT	3B	40
DFPNOESO	3B	20
DFPOFFLN	3A	10
DFPPALEN	69	
DFPPAVA	3B	8
DFPPAVB	3B	10
DFPPOFF	6A	
DFPPREFX	68	5
DFPPRES	3A	80
DFPPSEG	68	
DFPRALOC	37	1
DFPRDNBR	70	
DFPRELAR	68	
DFPRELCT	44	
DFPRELP	40	
DFPREND	68	68
DFPRERP	37	20
DFPRLEN	68	0
DFPRR	31	20
DFPRSEG	6C	
DFPRSSID	6F	
DFPSELFD	36	8
DFPSHRUP	37	40
DFPSMSMM	36	4
DFPSNSCT	39	
DFPSWAPF	37	8
DFPTBYT1	30	
DFPTBYT2	31	
DFPTBYT3	32	
DFPTBYT4	33	
DFPUCBTY	30	
DFPVER	4	
DFPVERN	4	1
DFPVSDR	35	10
DFP2IDAW	3A	1
DFP2OPT0	31	80
DFP2OPT1	31	40
DFP2OPT2	31	20
DFP2OPT3	31	10
DFP2OPT4	31	8
DFP2OPT5	31	4
DFP2OPT6	31	2
DFP2OPT7	31	1

CBDZGETM Programming Interface information

Programming Interface information

CBDZGETM

End of Programming Interface information

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CBDZGETM Heading Information

Common Name: HCD Getmain Storage Routine Parameter List
Macro ID: CBDZGETM
DSECT Name: GETM
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: GETM
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: 24 bytes
Created by: UIM and other HCD routines
Pointed to by: N/A
Serialization: None
Function: Maps the GETMAIN Parameters for Hardware Configuration Definition (HCD) routines and UIMs requesting storage. This storage is zeroed by the service routine which does the getmain.

CBDZGETM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
		Comment			
		END OF SPECIFICATIONS %GOTO GETM01; GETM Parameter List WS			
		End of Comment			
0	(0)	SIGNED	4	GETM (0)	Getmain parameters list.
0	(0)	CHARACTER	4	GETMSD	Getmain parameters ID.
4	(4)	BITSTRING	1	GETMFLG	Flag byte.
		1...		GETMFBLW	"X'80'" .. Storage below the 16-megabyte line is requested.
		.1..		GETMFPG	"X'40'" .. Boundary=Page requested
		..1.		GETMFMSG	"X'20'" .. Message request on error
		...1		GETMFCON	"X'10'" .. Conditional request specified
		1		GETMFDSP	"X'01'" .. Data Space is to be created
5	(5)	BITSTRING	1	GETMSPN	Subpool number (contains binary zero if not specified)
6	(6)	BITSTRING	1		Reserved and must be zero.
7	(7)	BITSTRING	1		Reserved and must be zero.
8	(8)	SIGNED	4	GETMLNTH	Length of storage requested.
12	(C)	SIGNED	4	GETMADDR	Address of getmained storage returned here.
16	(10)	SIGNED	4	GETMREAS	Reason code
20	(14)	SIGNED	4	GETMRETC	Return code
24	(18)	SIGNED	4	GETMBLKS	Number of blocks for data space
28	(1C)	CHARACTER	8	GETMSTOK	Data space token
36	(24)	SIGNED	4	GETMALET	Data space ALET
40	(28)	CHARACTER	12		Reserved and must be zero
40	(28)	X'34'	0	GETMLN	"*-GETM" Length of parameter list
52	(34)	CHARACTER	4	GETMSDNM	Constant for GETMSD.

CBDZGETM Cross Reference

Name	Hex Offset	Hex Value
GETM	0	
GETMADDR	C	
GETMALET	24	
GETMBLKS	18	
GETMFBLW	4	80
GETMFCON	4	10
GETMFDSP	4	1
GETMFLG	4	
GETMFMSG	4	20
GETMFPG	4	40
GETMLN	28	34
GETMLNTH	8	
GETMREAS	10	
GETMRETC	14	
GETMSD	0	
GETMSDNM	34	C7C5E3D4
GETMSPN	5	
GETMSTOK	1C	

CBDZGIP Programming Interface information

Programming Interface information

CBDZGIP

End of Programming Interface information

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CBDZGIP Heading Information

Common Name: Generic Information Parameters (GIP)
Macro ID: CBDZGIP
DSECT Name: GIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: GIP
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: This macro maps the input parameters to CBDMBGIT.
It is built by the Unit Information Module and contains device dependent information which is used to build the Generic Information Table (GIT).
GIPAFFIX is an index that relates compatible devices, when UNIT=AFF is specified via JCL.
IBM has defined the following affinity indexes:
'0000'X - No special affinity considerations (default)
'0001'X - Affinity to 3330 device types
'0002'X - Affinity to 3330-1 device types
'0004'X - Affinity to 3340 device types
'0008'X - Affinity to 3480, 3400-9 device types
'0010'X - Affinity to 3400-6,3400-5 device types
'0020'X - Affinity to 3400-4,2400-4,2400 device types
'0030'X - Affinity to 3400-3,2400-3 device types
'0040'X - Affinity to 3400-2, 2400-2, 2400-1 dev types
'0080'X - Affinity to 3490 device types
'0108'X - Affinity to 3480X device types
'0400'X - IBM affinity
'0800'X \ Reserved for IBM use
'1000'X /
'2000'X \
'4000'X | Reserved for customer use
'8000'X /
'FFFF'X - No special affinity considerations (specified)

CBDZGIP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Generic Information Parameters.
0	(0)	CHARACTER	4	GIPID	GIP identifier ('GIP ')
4	(4)	CHARACTER	1	GIPVER	GIP version number x'01'
5	(5)	CHARACTER	3		Reserved
8	(8)	CHARACTER	8	GIPNAME	Generic device name
16	(10)	SIGNED	4	GIPUCBTY	UCB device type information for allocation
20	(14)	SIGNED	4	GIPGPTPR	Generic Preference Table priority

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
24	(18)	ADDRESS	4	GIPCDVLP	Pointer to the list of generic names of compatible devices (zero if there is no list)
28	(1C)	SIGNED	4	GIPCDVLC	Count of the generic names in the compatible device list
32	(20)	ADDRESS	4	GIPDENPR	Pointer to the list of densities supported by this device
36	(24)	SIGNED	4	GIPDENNO	Count of densities supported
40	(28)	CHARACTER	2	GIPAFFIX	Affinity index, 0 if none
42	(2A)	CHARACTER	38		Reserved, must be zero
42	(2A)	X'50'	0	GIPEND	"*" GIP End
0	(0)	CHARACTER	1	GIP	Generic Information Parameters.

Comment

The following constants are used to place an identifier and version number into the GIP.

End of Comment

		1		GIPVERN	"X'01'" GIP version number
80	(50)	CHARACTER	4	GIPIDNM	Constant for GIPID.

Comment

The following constants are used to place an affinity index in the GIPAFFIX field.

End of Comment

80	(50)	BITSTRING	0	GIPNOAFF	"X'FFFF'" No affinity consideration
		1		GIPAFF1	"X'0001'" Affinity to 3330
		.... ..1.		GIPAFF2	"X'0002'" Affinity to 3330-1
		.... .1..		GIPAFF3	"X'0004'" Affinity to 3340
		.... 1...		GIPAFF4	"X'0008'" Affinity to 3480, 3400-9
		...1		GIPAFF5	"X'0010'" Affinity to 3400-6, 3400-5
		..1.		GIPAFF6	"X'0020'" Affinity to 3400-4, 2400-4 2400
		..11		GIPAFF7	"X'0030'" Affinity to 3400-3, 2400-3
		.1..		GIPAFF8	"X'0040'" Affinity to 3400-2, 2400-2, 2400-1
		1...		GIPAFF9	"X'0080'" Affinity to 3490
80	(50)	BITSTRING	0	GIPAFF10	"X'0108'" Affinity to 3480X
80	(50)	BITSTRING	0	GIPAFF11	"X'0400'" IBM affinity
80	(50)	BITSTRING	0	GIPUSRA1	"X'2000'" User-defined affinity 1
80	(50)	BITSTRING	0	GIPUSRA2	"X'4000'" User-defined affinity 2
80	(50)	BITSTRING	0	GIPUSRA3	"X'8000'" User-defined affinity 3

Comment

The following array maps the list of compatible generic device types. If a list of compatible generic device name(s) are required, you must code GENDNMS=n on the macro statement where 'n' is the number of names.

End of Comment

84	(54)	CHARACTER	1	(0)	Compatible generic device name list
84	(54)	CHARACTER	8	GIPCMPNM (0)	Compatible generic device name
84	(54)	X'54'	0	GIPCEND	"*" End of GIPCMPNM array.
84	(54)	X'0'	0	GIPCMPNL	"0" Compatible generic device name list

Comment

The following array maps the list of densities supported by this device. If a list of supported densities are required, you must code DENS=n on the macro statement where 'n' is the number of densities supported.

End of Comment

84	(54)	BITSTRING	1	(0)	Densities supported list
84	(54)	BITSTRING	1	GIPDENSY (0)	Density or densities.

CBDZGIP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
84	(54)	X'54'	0	GIPDEND	"*" End of GIPDENL array.
84	(54)	X'0'	0	GIPDENL	"0" Densities supported list

CBDZGIP Cross Reference

Name	Hex Offset	Hex Value
GIP	0	
GIPAFFIX	28	
GIPAFF1	50	1
GIPAFF10	50	108
GIPAFF11	50	400
GIPAFF2	50	2
GIPAFF3	50	4
GIPAFF4	50	8
GIPAFF5	50	10
GIPAFF6	50	20
GIPAFF7	50	30
GIPAFF8	50	40
GIPAFF9	50	80
GIPCDVLC	1C	
GIPCDVLP	18	
GIPCEND	54	54
GIPCMPNL	54	0
GIPCMPNM	54	
GIPDEND	54	54
GIPDENL	54	0
GIPDENNO	24	
GIPDENPR	20	
GIPDENSY	54	
GIPEND	2A	50
GIPGPTPR	14	
GIPID	0	
GIPIDNM	50	C7C9D740
GIPNAME	8	
GIPNOAFF	50	FFFF
GIPUCBTY	10	
GIPUSRA1	50	2000
GIPUSRA2	50	4000
GIPUSRA3	50	8000
GIPVER	4	
GIPVERN	0	1

CBDZHCEX Programming Interface information

Programming Interface information

CBDZHCEX

End of Programming Interface information

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CBDZHCEX Heading Information

Common Name: HCD object management (HOM) constants.
Macro ID: CBDZHCEX
DSECT Name:
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Obtained by caller
Residency: Determined by caller
Size:
Created by: Routines using HOM
Pointed to by: N/A
Serialization: None
Function: Contains all constants that are valid within
the HOM for
- storage descriptors
- function codes specified in HRB_FUNCTION
- object codes
- attributes specified in HRB_ATTRIBUTE
- request modes for 'get' requests
specified in HRB_REQ_MODE
- return codes in HRB_RETURN_CODE
- reason codes in HRB_REASON_CODE
- attributes that have to be specified
in data input blocks,
e.g. for processor configuration mode,
channel path types, ...

CBDZHCEX Map

CBDZHCEX Constants

Len	Type	Value	Name	Description
1	CHARACTER	Y	HRB_YES	Indicates YES
1	CHARACTER	N	HRB_NO	Indicates NO
Comment				
Constant definitions for HOM storage descriptors				
End of Comment				
4	CHARACTER	HRB	HRB_SDESC_C	Request block
4	CHARACTER	HSB	HSB_SDESC_C	Status block
4	CHARACTER	HSI	HSICSD	HCD Session Interface Record
4	CHARACTER	IOI	IOICSD	IODF Interface Record
4	CHARACTER	MSI	MSICSD	Message Interface Record
4	CHARACTER	PRI	PRICSD	Processor Interface Record
4	CHARACTER	CPI	CPICSD	Channel Path Interface Record
4	CHARACTER	SWI	SWICSD	Switch Interface Record
4	CHARACTER	CUI	CUICSD	Physical Control Unit Interface Record
4	CHARACTER	DVI	DVICSD	Device Interface Record
4	CHARACTER	LTI	LTICSD	Logical Token Interface Record
4	CHARACTER	ASI	ASICSD	Activation Status Interface Record

Len	Type	Value	Name	Description
			Comment	
			Constant definitions for HRB_FUNCTION	
			End of Comment	
4	DECIMAL	1	HRB_SETUP	HCD-Setup request
4	DECIMAL	2	HRB_TERMINATE	HCD-Terminate request
4	DECIMAL	3	HRB_RECOVERY	HCD-Recovery request
4	DECIMAL	5	HRB_OPEN	IODF-Open request
4	DECIMAL	6	HRB_CLOSE	IODF-Close request
4	DECIMAL	9	HRB_IVIEW	IODF-View request
4	DECIMAL	11	HRB_DGET	Data-Get request
4	DECIMAL	12	HRB_MGET	Message-Get request
4	DECIMAL	16	HRB_GET	Get request
4	DECIMAL	42	HRB_ACT_STATUS	Get Activation status
4	DECIMAL	0	HRB_NOO	No object specified
4	DECIMAL	1	HRB_HCD	Object is whole HCD
4	DECIMAL	2	HRB_IODF	Object is whole IODF
4	DECIMAL	3	HRB_DATA	Object is any output-data
4	DECIMAL	4	HRB_MESSAGE	Object is message
4	DECIMAL	5	HRB_PROCESSOR	Object is processor. ID is char.
4	DECIMAL	8	HRB_CHANNEL	Object is channel. ID is fixed.
4	DECIMAL	9	HRB_SWITCH	Object is switch. ID is fixed.
4	DECIMAL	13	HRB_PCU	Object is physical control unit. ID is fixed.
4	DECIMAL	15	HRB_DEVICE	Object is device. ID is fixed.
			Comment	
			Constant definitions for attribute-codes	
			End of Comment	
4	DECIMAL	81	HRB_LTOKEN	Attribute to get logical token
4	DECIMAL	92	HRB_MAXATTR	Maximum allowed attribute in HOM. Used for syntax check. If constants are added or removed this maximum must be updated.
			Comment	
			Constant definitions for HRB_REQ_MODE	
			End of Comment	
4	DECIMAL	1	HRB_MODE_ID	Get objects starting with ID specified. ID of object must be set in HRB_OBJECT. Also HRB_RANGE_VALUE must be set unequal to zero. ID of object must be set in HRB_OBJECT.
4	DECIMAL	2	HRB_MODE_FIRST	Get first object in the defined scope.
4	DECIMAL	3	HRB_MODE_LAST	Get last object in the defined scope.
4	DECIMAL	4	HRB_MODE_ALL	Get all objects in the defined scope.
4	DECIMAL	5	HRB_MODE_CHAIN	Get all objects within the chain defined by the given object, for example all exposure devices.
			Comment	
			Constant definitions for HRB_RETURN_CODE	
			End of Comment	
4	DECIMAL	0	HRB_OK	Request done succesfully.
4	DECIMAL	4	HRB_WARNING	Request done but warning issued.

Len	Type	Value	Name	Description
4	DECIMAL	8	HRB_ERROR	Request not done. No data provided. Additional message is issued.
4	DECIMAL	12	HRB_SYNTAX	Request not done. Syntax incorrect.
4	DECIMAL	16	HRB_SEVERE	Request not done. Processing was terminated due to severe error. HCD is not active. New Setup required.
Comment				
Constant definitions for HRB_REASON_CODE				
End of Comment				
4	DECIMAL	1	HRB_SPACE	No more space available
4	DECIMAL	2	HRB_VALIDATE	Validation error
4	DECIMAL	3	HRB_EXISTENCE	Existence check error
4	DECIMAL	4	HRB_VERIFY	Verification error
4	DECIMAL	5	HRB_ALRDY_SETUP	Setup rejected. HCD is already active.
4	DECIMAL	6	HRB_NOT_SETUP	Request rejected. HCD is not active.
4	DECIMAL	7	HRB_ABEND	Error occured because of HCD internal logic abend.
4	DECIMAL	8	HRB_AUTH	Error occured because caller is authorized, HOM may be invoked from unauthorized callers only.
4	DECIMAL	9	HRB_IODF_DEFECT	Defect detected in IODF
4	DECIMAL	10	HRB_IODF_DEFECT_CORR	IODF defect, has been corrected
4	DECIMAL	16	HRB_NOTFOUND	The mixing of function, object, qualifiers and attributes results into a not allowed request. The request can not be found in the table of valid requests. See the HOM interface description for a correct syntax.
4	DECIMAL	17	HRB_NODINPUT	A data input block is mandatory for this request. Specify one within HRB_HDBI_ADDR and specify a valid length.
4	DECIMAL	18	HRB_NODOUTPUT	A data output block is mandatory for this request. Specify one within HRB_HDBO_ADDR.
4	DECIMAL	19	HRB_NOMODE	The specified mode is not supported for this special request. Refer to HOM interface description.
4	DECIMAL	20	HRB_NOFILTER	Filtering is not supported for this special request. Do not set the filter flag.
4	DECIMAL	21	HRB_WRONGSD	The content of the data input block - identified by the storage descriptors of the contained records - is wrong or not conforming to the request. Initialize the input records correctly.
4	DECIMAL	22	HRB_WRONGFUNC	The function specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	23	HRB_WRONGOBJ	The object specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	24	HRB_WRONGQUAL	One of the qualifiers specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	25	HRB_WRONGATTR	One of the attributes specified is not supported by the HOM. Refer to HOM interface description.
4	DECIMAL	26	HRB_NOHRB	A request-block is missing for the request.
4	DECIMAL	27	HRB_INITCFAILED	Initchange failed.
4	DECIMAL	28	HRB_FULLY_DEFINED	CTC fully defined
4	DECIMAL	29	HRB_WRONGLGTH	Wrong length

Len	Type	Value	Name	Description
		Comment		
		Constant definitions for HRB_IODF_INFO		
		End of Comment		
4	DECIMAL	1	HRB_INSYNCH	HW and SW of the active IODF are in synch.
4	DECIMAL	2	HRB_NOTINSYNCH	HW and SW are out of sync.
4	DECIMAL	3	HRB_NOTOKEN	No valid HW token exists.
		Comment		
		Constant definition for not supported fixed fields		
		End of Comment		
4	DECIMAL	-1	HRB_NSF	Field is not supported
		Comment		
		Constant definition for not supported char fields		
		End of Comment		
1	CHARACTER		HRB_NSC	Field is not supported
		Comment		
		Constant definitions for NLS code		
		End of Comment		
1	CHARACTER	E	HSIENG	English
1	CHARACTER	J	HSIKAN	Kanji
		Comment		
		Constant definitions for IODF type		
		End of Comment		
1	CHARACTER	P	IOIFPROD	File is compacted version of IODF
1	CHARACTER	W	IOIFWORK	File is working version of IODF
1	CHARACTER	I	IOIFINIT	File is initialized empty IODF file
		Comment		
		Constant definitions for IODF access mode		
		End of Comment		
1	CHARACTER	R	IOIREAD	File is in read mode
1	CHARACTER	U	IOIUPDAT	File is in update mode
		Comment		
		Constant definitions for IODF size		
		End of Comment		
4	DECIMAL	16	IOIBLMIN	Minimum number is 16*4K blocks
4	DECIMAL	1024	IOIBLDEF	Default number is 1024*4K blocks
		Comment		
		Constant definitions for message severity		
		End of Comment		
4	DECIMAL	4	MSISEVI	information message
4	DECIMAL	8	MSISEVW	warning message
4	DECIMAL	12	MSISEVE	error message

Len	Type	Value	Name	Description
4	DECIMAL	16	MSISEVT	termination message
		Comment		
		Constant definitions for processor configuration mode		
		End of Comment		
4	DECIMAL	1	PRICBAS	BASIC mode (early LPAR=NO)
4	DECIMAL	2	PRICLPAR	LPAR mode (early LPAR=YES)
4	DECIMAL	3	PRICVM	VM (MBASIC) mode
		Comment		
		Constant definitions for channel path types		
		End of Comment		
4	DECIMAL	1	CPITBLMX	Block multiplexor
4	DECIMAL	2	CPITBMX	Byte multiplexor
4	DECIMAL	3	CPITSER	Serial (CNC)
4	DECIMAL	4	CPITCTC	CTC
4	DECIMAL	5	CPITCVC	Escon conversion channel (CVC)
4	DECIMAL	6	CPITIOC	I/O controller (IOC)
4	DECIMAL	7	CPITIRC	Coupling facility - receiver channel
4	DECIMAL	8	CPITISC	Coupling facility - sender channel
4	DECIMAL	9	CPITCBY	Byte pacer channel
4	DECIMAL	10	CPITOSA	OSA channel Use same constants as in CPD-record !!!
4	DECIMAL	11	CPITISD	Falcon ISD
4	DECIMAL	12	CPITDSD	DSD channel
4	DECIMAL	14	CPITFC	FC channel
4	DECIMAL	15	CPITFCV	FCV channel
4	DECIMAL	17	CPITCBR	CBR channel
4	DECIMAL	18	CPITCBS	CBS channel
4	DECIMAL	19	CPITICR	ICR channel
4	DECIMAL	20	CPITICS	ICS channel
4	DECIMAL	21	CPITOSD	OSD channel
4	DECIMAL	22	CPITOSE	OSE channel
4	DECIMAL	23	CPITEIO	EIO channel
4	DECIMAL	24	CPITCFP	CFP channel
4	DECIMAL	25	CPITCBP	CBP channel
4	DECIMAL	26	CPITICP	ICP channel
4	DECIMAL	27	CPITIQD	IQD channel
4	DECIMAL	28	CPITFCP	FCP channel
4	DECIMAL	29	CPITSTV	STV channel
4	DECIMAL	30	CPITOSC	OSC channel
4	DECIMAL	31	CPITOSN	OSN channel
		Comment		
		Constant definitions for channel access mode		
		End of Comment		
4	DECIMAL	1	CPIADED	Channel is dedicated to one partition
4	DECIMAL	2	CPIAREC	Channel can be reconfigured to authorized partitions
4	DECIMAL	3	CPIASHR	Channel can be shared by authorized partitions
4	DECIMAL	4	CPIASPN	Channel is shared and spanned across Channel Subsystems
		Comment		
		Constant definitions for device groups		
		End of Comment		
4	DECIMAL	1	DVIGDASD	DASD
4	DECIMAL	2	DVIGTAPE	Tape
4	DECIMAL	3	DVIGCLUS	Cluster Controller

Len	Type	Value	Name	Description
4	DECIMAL	4	DVIGCOMM	Communications
4	DECIMAL	5	DVIGMICR	MICR/OCR
4	DECIMAL	6	DVIGGRPH	Graphics
4	DECIMAL	7	DVIGPRT	Printer
4	DECIMAL	8	DVIGCARD	Card reader/punch
4	DECIMAL	9	DVIGDISP	Display
4	DECIMAL	10	DVIGTPRT	Terminal printer
4	DECIMAL	255	DVIGOTHR	Other

CBDZHIEX Programming Interface Information

Programming Interface information

CBDZHIEX

End of Programming Interface information

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CBDZHIEX Heading Information

Common Name: HCD object management (HOM) object interface records
Macro ID: CBDZHIEX
DSECT Name: ASI, LTI
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: ASI and LTI
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Residency: Determined by caller
Size: ASI - 232 bytes
LTI - 60 bytes
Created by: routines using HOM
Pointed to by: N/A
Serialization: None
Function: Contains further mappings for interface records.

CBDZHIEX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	60	LTI	Basic area definition
0	(0)	CHARACTER	4	LTISD	Storage descriptor
4	(4)	UNSIGNED	4	LTILGTH	Length of area
8	(8)	CHARACTER	32	LTITOKEN	Token, World Wide Unique Value
8	(8)	CHARACTER	8	LTINAME	Character ID of object the token corresponds to
16	(10)	UNSIGNED	4	LTINR	Numerical ID of object
16	(10)	UNSIGNED	2	LTIBASIC	Base part of device ID
18	(12)	UNSIGNED	2	LTISUFFIX	Internal suffix for device ID
20	(14)	CHARACTER	16	LTIWWUV	Token, World Wide Unique Value
20	(14)	CHARACTER	1	*	Token, reserved byte
21	(15)	CHARACTER	2	LTITCPU	Token, CPU address
23	(17)	CHARACTER	3	LTITSER	Token, CPU serial number
26	(1A)	CHARACTER	2	LTITMODL	Token, CPU model number
28	(1C)	CHARACTER	8	LTITTOD	Token, time stamp from TOD clock
36	(24)	CHARACTER	4	*	Reserved
40	(28)	CHARACTER	20	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	232	ASI	Basic area definition
0	(0)	CHARACTER	4	ASISD	Storage descriptor
4	(4)	UNSIGNED	4	ASILGTH	Length of area
8	(8)	CHARACTER	44	ASIAIODF	Active IODF
52	(34)	CHARACTER	8	ASIAPROC	Active processor
60	(3C)	CHARACTER	8	ASIDPROC	Default processor for target IODF
68	(44)	CHARACTER	8	ASIACFID	Active configuration ID
76	(4C)	CHARACTER	8	ASIDCFID	Default configuration ID for target IODF
84	(54)	CHARACTER	2	ASIAEDT	Active EDT
86	(56)	CHARACTER	2	ASIDEDT	Default EDT for target IODF
88	(58)	CHARACTER	4	*	Reserved
92	(5C)	CHARACTER	140	*	Not externalized

CBDZHIEX Cross Reference

Name	Hex Offset	Hex Value
ASI	0	
ASIACFID	44	
ASIAEDT	54	
ASIAIODF	8	
ASIAPROC	34	
ASIDCFID	4C	
ASIDEDT	56	
ASIDPROC	3C	
ASILGTH	4	
ASISD	0	
LTI	0	
LTIBASIC	10	
LTILGTH	4	
LTINAME	8	
LTINR	10	
LTISD	0	
LTISUFFIX	12	
LTITCPU	15	
LTITMODL	1A	
LTITOKEN	8	
LTITSER	17	
LTITTOD	1C	
LTIWWUV	14	

CBDZHOEX Programming Interface information

Programming Interface information

CBDZHOEX

End of Programming Interface information

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CBDZHOEX Heading Information

Common Name: HCD object management (HOM) object records
Macro ID: CBDZHOEX
DSECT Name: CPI, CUI, DVI, HSI, IOI, MSI, PRI, SWI
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: CPI, CUI, DVI, HSI, IOI, MSI, PRI, SWI
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Residency: Determined by caller
Size: CPI - 112 bytes
CUI - 124 bytes
DVI - 140 bytes
HSI - 64 bytes
IOI - 720 bytes
MSI - 72 bytes
PRI - 220 bytes
SWI - 100 bytes
Created by: routines using HOM
Pointed to by: N/A
Serialization: None
Function: Contains mappings for interface records of objects that are processable by HOM. The interface records contain all the attributes that are necessary to define an object or a link between two objects. The interface records must be provided together with every reqeust that needs input data or are given on output for requests which create it. The interface records always contain a storage descriptor at the first position and the length of the data area following the storage descriptor.

CBDZHOEX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	64	HSI	Basic area definition
0	(0)	CHARACTER	4	HSISD	Storage descriptor
4	(4)	UNSIGNED	4	HSILGTH	Length of area
8	(8)	CHARACTER	12	HSIIN	Input area
8	(8)	CHARACTER	8	HSIHLQ	High Level Qualifier for setup. Optional field. If omitted HCD tries to identify the HLQ on its own.
16	(10)	CHARACTER	1	HSINLS	NLS code. Constants: HSIENG = English HSIKAN = Kanji
17	(11)	CHARACTER	1	HSILCHK	Reserved for HCM only
18	(12)	CHARACTER	1	HSICAUT	Reserved for HCM only
19	(13)	CHARACTER	1	*	Reserved
20	(14)	CHARACTER	20	HSIOUT	Output area
20	(14)	UNSIGNED	4	HSIOSYS	Identification of operating system HCD is running in. Constants: OSIMVS = MVS OSIVM = VM
24	(18)	UNSIGNED	4	HSIVERS	Identification of HOM/HCD version Constants: HSIAVERS (actual version)
28	(1C)	UNSIGNED	4	HSISUBV	Identification of HOM/HCD subversion Constants: HSIASUBV (actual sub-version)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
32	(20)	UNSIGNED	4	HSISUP1	Internal Information Part 1
36	(24)	UNSIGNED	4	HSISUP2	Internal Information Part 2
40	(28)	CHARACTER	24	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	720	IOI	Basic area definition
0	(0)	CHARACTER	4	IOISD	Storage descriptor
4	(4)	UNSIGNED	4	IOILGTH	Length of area
8	(8)	CHARACTER	1	IOIFTYPE	IODF file type. Constants: IOIFPROD = File is compacted version of IODF IOIFWORK = File is working version of IODF IOIFINIT = File is initialized empty IODF file
9	(9)	CHARACTER	1	IOIFMODE	IODF access mode. Constants: IOIREAD = File is in read mode IOIUPDAT = File is in update mode
10	(A)	CHARACTER	10	IOICXDAT	IODF creation date (yyyy-mm-dd)
10	(A)	CHARACTER	2	*	Reserved
12	(C)	CHARACTER	8	IOICDATE	IODF creation date (yy-mm-dd)
20	(14)	CHARACTER	8	IOIUDATE	Date of last update (yy-mm-dd)
28	(1C)	CHARACTER	8	IOIUTIME	Time of last update (hh:mm:ss)
36	(24)	UNSIGNED	4	IOIBLAC	Number of 4K blocks allocated to IODF. Constants: IOIBLMIN = Minimum number is 16*4K blocks IOIBLDEF = Default number is 256*4K blocks
40	(28)	UNSIGNED	4	IOIBLUC	Number of 4K blocks used by IODF
44	(2C)	CHARACTER	44	IOIBUPDS	Name of backup dataset for work-IODF Full qualified DSN without quotes
88	(58)	CHARACTER	44	IOINAME	IODF name of IODF to use Full qualified DSN without quotes
132	(84)	CHARACTER	8	IOIVOLUM	Volume the IODF is on
140	(8C)	CHARACTER	8	IOIDESC1	IODF Descriptor 1
148	(94)	CHARACTER	8	IOIDESC2	IODF Descriptor 2
156	(9C)	CHARACTER	1	IOIALINF	If yes, activity logging is enabled
157	(9D)	CHARACTER	1	IOICHGLO	If yes, IODF was changed since last open-IODF.
158	(9E)	CHARACTER	1	IOIACT	If yes, specified IODF is currently active IODF.
159	(9F)	CHARACTER	1	IOIVALID	If yes, the WORK IODF is a validated one
160	(A0)	UNSIGNED	4	IOIAREF	Activity log reference number Only valid if IOIALINF is set
164	(A4)	CHARACTER	256	IOITOKEN	IODF Token Area.
164	(A4)	CHARACTER	16	IOIWWUV	Token, World Wide Unique Value
164	(A4)	CHARACTER	1	*	Token, reserved byte
165	(A5)	CHARACTER	2	IOITCPU	Token, CPU address
167	(A7)	CHARACTER	3	IOITSER	Token, CPU serial number
170	(AA)	CHARACTER	2	IOITMODL	Token, CPU model number
172	(AC)	CHARACTER	8	IOITTOD	Token, time stamp from TOD clock
180	(B4)	CHARACTER	240	*	Reserved
420	(1A4)	CHARACTER	10	IOIUXDAT	Date of last update (yyyy-mm-dd)
430	(1AE)	CHARACTER	34	*	Reserved
464	(1D0)	CHARACTER	128	IOIIDESC	IODF description
592	(250)	CHARACTER	128	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	MSI	Basic area definition
0	(0)	CHARACTER	72	MSIHEAD	Header definition
0	(0)	CHARACTER	4	MSISD	Storage descriptor
4	(4)	UNSIGNED	4	MSILGTH	Length of area
8	(8)	CHARACTER	8	MSIID	Message identifier
16	(10)	UNSIGNED	4	MSISEV	Severity of message. Constants: MSISEVI = information message MSISEVW = warning message MSISEVE = error message MSISEVT = termination message
20	(14)	CHARACTER	8	MSIFERR	Field of interface record in error
28	(1C)	UNSIGNED	4	MSIMID	WTOR message identifier
32	(20)	CHARACTER	8	MSIRPYID	ID of message reply
40	(28)	CHARACTER	8	MSIHELP	Help panel name

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
48	(30)	CHARACTER	20	*	Reserved
68	(44)	UNSIGNED	4	MSITEXTL	Length of message text
72	(48)	CHARACTER	*	MSITEXT	Message text

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	220	PRI	Basic area definition
0	(0)	CHARACTER	4	PRISD	Storage descriptor
4	(4)	UNSIGNED	4	PRILGTH	Length of area
8	(8)	CHARACTER	24	PRITOKEN	Token, World Wide Unique Value
8	(8)	CHARACTER	8	PRIPRID	Processor name
16	(10)	CHARACTER	16	PRITWWUV	Token, World Wide Unique Value
16	(10)	CHARACTER	1	*	Token, reserved byte
17	(11)	CHARACTER	2	PRITCPU	Token, CPU address
19	(13)	CHARACTER	3	PRITSER	Token, CPU serial number
22	(16)	CHARACTER	2	PRITMODL	Token, CPU model number
24	(18)	CHARACTER	8	PRITTOD	Token, time stamp from TOD clock
32	(20)	UNSIGNED	4	PRICONFM	Processor configuration mode. Constants: PRICBAS = BASIC mode (early LPAR=NO) PRICLPAR = LPAR mode (early LPAR=YES) PRICVM = VM (MBASIC) mode
36	(24)	CHARACTER	8	PRIUNIT	Unit
44	(2C)	CHARACTER	8	PRIMODL	Model
52	(34)	CHARACTER	8	PRIECLVL	Processor EC level
60	(3C)	CHARACTER	32	PRILOC	Location of processor
92	(5C)	CHARACTER	10	PRISER	Serial number of processor
102	(66)	CHARACTER	1	PRIXMP	Indication for HCM if a processor is an XMP processor
103	(67)	CHARACTER	1	*	Reserved
104	(68)	UNSIGNED	4	PRIGUESC	Count of preferred guests, only if configuration mode is VM.
108	(6C)	CHARACTER	8	PRIRULET	Name of processor rules table
116	(74)	CHARACTER	16	PRISNAAD	SNA address of support element
116	(74)	CHARACTER	8	PRINETWN	Network name
124	(7C)	CHARACTER	8	PRISYSTN	System name
132	(84)	CHARACTER	8	PRIPNID	New Processor name
140	(8C)	CHARACTER	64	PRISUPPL	Support level
204	(CC)	UNSIGNED	4	PRISYLBL	System Label
208	(D0)	UNSIGNED	4	PRICSC	Count of CSS
212	(D4)	CHARACTER	8	*	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	112	CPI	Basic area definition
0	(0)	CHARACTER	4	CPISD	Storage descriptor
4	(4)	UNSIGNED	4	CPILGTH	Length of area
8	(8)	UNSIGNED	4	CPICPID	Channel path identifier (CHPID)
12	(C)	CHARACTER	8	CPIPRID	Processor name
20	(14)	UNSIGNED	4	CPITYPE	Channel path type. Constants: For possible values, see macro CBDZHCON.
24	(18)	UNSIGNED	4	CPIAMODE	Channel access mode. Constants: CPIADED = Channel is dedicated to one partition CPIASHR = Channel can be shared by authorized partitions CPIAREC = Channel can be reconfigured to authorized partitions
28	(1C)	CHARACTER	1	CPIFSV	If yes, channel path connects to a dynamic switch
29	(1D)	CHARACTER	1	CPIFLOAT	If yes, channel path is floating
30	(1E)	CHARACTER	1	CPIFSPLX	If yes, channel path has sysplex specified
31	(1F)	CHARACTER	1	CPIFPCHD	Indicates, that CPIPCHID is set (if yes)
32	(20)	UNSIGNED	4	CPISWID	Dynamic switch identifier, only valid if CPIFSV is set.
36	(24)	CHARACTER	32	CPILOC	Location information of channel path
68	(44)	UNSIGNED	4	CPICNID	New channel path identifier
72	(48)	UNSIGNED	4	CPICDID	Default channel path ID, taken from PIT. Only set for GET DEFAULT request.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
76	(4C)	CHARACTER	1	CPISIDE	Processor side of channel path. Only set for GET DEFAULT request.
77	(4D)	CHARACTER	1	CPIOCC	Indicates, that CHPID is occupied (valid for CFS/CFR not connected to other CHPID
78	(4E)	CHARACTER	6	*	Reserved
84	(54)	UNSIGNED	4	CPICSRC	count of channel subsystems if the channel is spanned
88	(58)	UNSIGNED	4	CPIPCHID	PCHID - physical channel path identifier
92	(5C)	CHARACTER	8	CPISPLEX	Sysplex name for floating channel path.
100	(64)	BITSTRING	1	CPIOSPRM	OS parameters
101	(65)	CHARACTER	1	CPICSRAM	Channel Subsystem mask
102	(66)	CHARACTER	1	*	reserved
103	(67)	CHARACTER	1	CPIDISPQ	OSD Multiple CUs: if priority queue is enabled, then HRB_YES is set, HRB_NO otherwise
104	(68)	UNSIGNED	4	CPISMTU	MTU size for IQD
108	(6C)	UNSIGNED	4	CPICSID	Channel Subsystem Id

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	100	SWI	Basic area definition
0	(0)	CHARACTER	4	SWISD	Storage descriptor
4	(4)	UNSIGNED	4	SWILGTH	Length of area
8	(8)	UNSIGNED	4	SWISWR	Logical Switch Number
12	(C)	CHARACTER	8	SWIUNIT	Unit
20	(14)	CHARACTER	4	SWIMODL	Model
24	(18)	CHARACTER	32	SWILOC	Location information of switch
56	(38)	CHARACTER	10	SWISER	Switch serial number
66	(42)	CHARACTER	2	*	Reserved
68	(44)	CHARACTER	1	SWICUIDP	If yes, SWICUID is present
69	(45)	CHARACTER	1	SWIDVIDP	If yes, SWIDVID is present
70	(46)	CHARACTER	1	SWISWADS	If yes, SWISWAD is set
71	(47)	CHARACTER	1	*	Reserved
72	(48)	UNSIGNED	4	SWICUID	Switch control unit number only valid if SWICUIDP is set
76	(4C)	UNSIGNED	4	SWIDVID	Switch device number only valid if SWIDVIDP is set
80	(50)	UNSIGNED	4	SWISWAD	switch address
84	(54)	CHARACTER	16	*	Reserved $H5C

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	124	CUI	Basic area definition
0	(0)	CHARACTER	4	CUISD	Storage descriptor
4	(4)	UNSIGNED	4	CUILGTH	Length of area
8	(8)	UNSIGNED	4	CUICUID	Physical control unit number
12	(C)	CHARACTER	8	CUIUNIT	Unit
20	(14)	CHARACTER	4	CUIMODL	Model
24	(18)	CHARACTER	8	CUIGROUP	Control unit group definitions
24	(18)	CHARACTER	1	CUIGDASD	If yes, DASD control unit
25	(19)	CHARACTER	1	CUIGTAPE	If yes, TAPE control unit
26	(1A)	CHARACTER	1	CUIGCLUS	If yes, Cluster controller
27	(1B)	CHARACTER	1	CUIGUNIT	If yes, Unit record device control unit
28	(1C)	CHARACTER	1	CUIGCOMM	If yes, Telecommunication control unit
29	(1D)	CHARACTER	1	CUIGMICR	If yes, MICR/OCR control unit
30	(1E)	CHARACTER	1	CUIGGRPH	If yes, Graphics system control unit
31	(1F)	CHARACTER	1	CUIGOTHR	If yes, Other
32	(20)	CHARACTER	32	CUILOC	Location of control unit
64	(40)	CHARACTER	10	CUISER	Serial number of control unit
74	(4A)	CHARACTER	1	CUIFIMPL	If yes, PCU is handled under the cover
75	(4B)	CHARACTER	1	CUIFCF	If yes, CU is for Coupling and handled under the cover
76	(4C)	UNSIGNED	4	CUICNID	New Physical Control Unit number
80	(50)	UNSIGNED	4	CUIPRIO	Control Unit Priority
84	(54)	CHARACTER	22	*	Reserved
106	(6A)	CHARACTER	18	*	Reserved

CBDZHOEX Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	140	DVI	Basic area definition
0	(0)	CHARACTER	4	DVISD	Storage descriptor
4	(4)	UNSIGNED	4	DVILGTH	Length of area
8	(8)	UNSIGNED	4	DVIDVID	Structure, Device number
12	(C)	CHARACTER	1	DVIFMULT	If yes, multiple exposure device
13	(D)	CHARACTER	1	DVIFCSS	If yes, device defined in CSS
14	(E)	CHARACTER	1	DVIFGRP	If yes, group device
15	(F)	CHARACTER	1	*	Reserved
16	(10)	UNSIGNED	4	DVIGROUP	Device group identifier. Constants: DVIGDASD = DASD DVIGTAPE = Tape DVIGCLUS = Cluster Controller DVIGCOMM = Communications DVIGMICR = MICR/OCR DVIGGRPH = Graphics DVIGPRT = Printer DVIGCARD = Card reader/punch DVIGDISP = Display station DVIGTPRT = Terminal printer DVIGOTHR = Other
20	(14)	CHARACTER	8	DVIUNIT	Unit
28	(1C)	CHARACTER	4	DVIMODL	Model
32	(20)	UNSIGNED	4	DVIBASE	Base device number valid only if DVIFMULT is set
36	(24)	UNSIGNED	4	DVINEXP	Next exposure device number valid only if DVIFMULT is set
40	(28)	CHARACTER	8	DVIUIM	UIM name of UIM that contains CSS definition for device
48	(30)	CHARACTER	32	DVILOC	Location of device
80	(50)	CHARACTER	10	DVISER	Serial number of device
90	(5A)	CHARACTER	1	DVIFIMPL	If yes, device is handled under the cover
91	(5B)	CHARACTER	1	DVIFCF	If yes, device is for Coupling Facility and handled under the cover
92	(5C)	CHARACTER	4	*	Reserved
96	(60)	CHARACTER	8	*	To contain VOLSER
96	(60)	CHARACTER	2	*	Reserved
98	(62)	CHARACTER	6	DVIVOLUM	Volume serial number
104	(68)	CHARACTER	18	*	Reserved
122	(7A)	CHARACTER	8	DVIFLAG2	
122	(7A)	CHARACTER	1	DVIFPAV	Indicates device is a PAV device
123	(7B)	CHARACTER	1	DVIFBASE	Indicates device is a PAV-base device. DVIFPAV is also set.
124	(7C)	CHARACTER	1	DVIFALIA	Indicates device is a PAV-alias device. DVIFPAV is also set.
130	(82)	CHARACTER	10	*	Reserved

CBDZHOEX Cross Reference

Name	**Hex Offset**	**Hex Value**	**Name**	**Hex Offset**	**Hex Value**
CPI	0		CUI	0	
CPIAMODE	18		CUICNID	4C	
CPICDID	48		CUICUID	8	
CPICNID	44		CUIFCF	4B	
CPICPID	8		CUIFIMPL	4A	
CPICSID	6C		CUIGCLUS	1A	
CPICSRAM	65		CUIGCOMM	1C	
CPICSRC	54		CUIGDASD	18	
CPIDISPQ	67		CUIGGRPH	1E	
CPIFLOAT	1D		CUIGMICR	1D	
CPIFPCHD	1F		CUIGOTHR	1F	
CPIFSPLX	1E		CUIGROUP	18	
CPIFSV	1C		CUIGTAPE	19	
CPILGTH	4		CUIGUNIT	1B	
CPILOC	24		CUILGTH	4	
CPIOCC	4D		CUILOC	20	
CPIOSPRM	64		CUIMODL	14	
CPIPCHID	58		CUIPRIO	50	
CPIPRID	C		CUISD	0	
CPISD	0		CUISER	40	
CPISIDE	4C		CUIUNIT	C	
CPISMTU	68		DVI	0	
CPISPLEX	5C		DVIBASE	20	
CPISWID	20		DVIDVID	8	
CPITYPE	14		DVIFALIA	7C	

Name	Hex Offset	Hex Value
DVIFBASE	7B	
DVIFCF	5B	
DVIFCSS	D	
DVIFGRP	E	
DVIFIMPL	5A	
DVIFLAG2	7A	
DVIFMULT	C	
DVIFPAV	7A	
DVIGROUP	10	
DVILGTH	4	
DVILOC	30	
DVIMODL	1C	
DVINEXP	24	
DVISD	0	
DVISER	50	
DVIUIM	28	
DVIUNIT	14	
DVIVOLUM	62	
HSI	0	
HSICAUT	12	
HSIHLQ	8	
HSIIN	8	
HSILCHK	11	
HSILGTH	4	
HSINLS	10	
HSIOSYS	14	
HSIOUT	14	
HSISD	0	
HSISUBV	1C	
HSISUP1	20	
HSISUP2	24	
HSIVERS	18	
IOI	0	
IOIACT	9E	
IOIALINF	9C	
IOIAREF	A0	
IOIBLAC	24	
IOIBLUC	28	
IOIBUPDS	2C	
IOICDATE	C	
IOICHGLO	9D	
IOICXDAT	A	
IOIDESC1	8C	
IOIDESC2	94	
IOIFMODE	9	
IOIFTYPE	8	
IOIIDESC	1D0	
IOILGTH	4	
IOINAME	58	
IOISD	0	
IOITCPU	A5	
IOITMODL	AA	
IOITOKEN	A4	
IOITSER	A7	
IOITTOD	AC	
IOIUDATE	14	
IOIUTIME	1C	
IOIUXDAT	1A4	
IOIVALID	9F	
IOIVOLUM	84	
IOIWWUV	A4	
MSI	0	
MSIFERR	14	
MSIHEAD	0	
MSIHELP	28	
MSIID	8	
MSILGTH	4	
MSIMID	1C	
MSIRPYID	20	
MSISD	0	
MSISEV	10	
MSITEXT	48	
MSITEXTL	44	
PRI	0	
PRICONFM	20	
PRICSC	D0	
PRIECLVL	34	
PRIGUESC	68	
PRILGTH	4	
PRILOC	3C	
PRIMODL	2C	
PRINETWN	74	
PRIPNID	84	
PRIPRID	8	
PRIRULET	6C	
PRISD	0	
PRISER	5C	
PRISNAAD	74	
PRISUPPL	8C	
PRISYLBL	CC	
PRISYSTN	7C	
PRITCPU	11	
PRITMODL	16	
PRITOKEN	8	
PRITSER	13	
PRITTOD	18	
PRITWWUV	10	
PRIUNIT	24	
PRIXMP	66	
SWI	0	
SWICUID	48	
SWICUIDP	44	
SWIDVID	4C	
SWIDVIDP	45	
SWILGTH	4	
SWILOC	18	
SWIMODL	14	
SWISD	0	
SWISER	38	
SWISWAD	50	
SWISWADS	46	
SWISWR	8	
SWIUNIT	C	

CBDZHRB Programming Interface information

Programming Interface information

CBDZHRB

End of Programming Interface information

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CBDZHRB Heading Information

Common Name: HCD object management (HOM) request block.
Macro ID: CBDZHRB
DSECT Name: HRB
Owning Component: Hardware configuration dialog (SC1XL)
Eye-Catcher ID: HRB
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Residency: Determined by caller
Size: 748
Created by: Routines using HOM
Pointed to by: N/A
Serialization: None
Function: The request block (HRB) contains the detailed request to the HOM on input and the result of the given request generated on output. On input it contains data elements and control information that HOM needs, to know how to process the request.

CBDZHRB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	748	HRB	
0	(0)	CHARACTER	4	HRB_SDESC	Storage descriptor
4	(4)	UNSIGNED	4	HRB_LENGTH	Length of area
8	(8)	CHARACTER	44	HRB_USE_IODF	Identifies the IODF to be used, if not specified the last IODF is reused. Full qualified DSN without quotes.
52	(34)	CHARACTER	1	HRB_ACTIVE_IODF	If yes, the active IODF is used instead of HRB_USE_IODF.
53	(35)	CHARACTER	3	*	Reserved
56	(38)	UNSIGNED	4	HRB_FUNCTION	Function code
60	(3C)	CHARACTER	4	*	Reserved
64	(40)	CHARACTER	120	HRB_OBJECT	Specification of the object in the request together with all its qualifiers which may be mandatory, optional or unnecessary depending on the request and the object.
64	(40)	UNSIGNED	4	HRB_OBJ_CODE	Object code
68	(44)	CHARACTER	8	HRB_OBJ_NAME	Name of object
76	(4C)	UNSIGNED	4	HRB_OBJ_NR	Fixed ID of object fullword
80	(50)	CHARACTER	16	HRB_Q_ARR (4294967301:540465696)	Array of qualifiers
80	(50)	UNSIGNED	4	HRB_Q_CODE	Code of the qualifier
84	(54)	CHARACTER	8	HRB_Q_NAME	Name of qualifier
92	(5C)	UNSIGNED	4	HRB_Q_NR	Fixed ID of qualifier fullword
160	(A0)	CHARACTER	24	*	Reserved
184	(B8)	CHARACTER	120	HRB_SOBJECT	Specification of second object involved in request with all its qualifiers. Only needed for requests with two objects.
184	(B8)	UNSIGNED	4	HRB_SOBJ_CODE	Object code of second object
188	(BC)	CHARACTER	8	HRB_SOBJ_NAME	Name of object
196	(C4)	UNSIGNED	4	HRB_SOBJ_NR	Fixed ID of object fullword
200	(C8)	CHARACTER	16	HRB_SQ_ARR (4294967301:540467624)	Array of qualifiers
200	(C8)	UNSIGNED	4	HRB_SQ_CODE	Code of the qualifier
204	(CC)	CHARACTER	8	HRB_SQ_NAME	Name of qualifier
212	(D4)	UNSIGNED	4	HRB_SQ_NR	Fixed ID of qualifier fullword

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
280	(118)	CHARACTER	24	*	Reserved
304	(130)	CHARACTER	16	HRB_ATTRIBUTE (4294967300:540468704)	Specification of additional attributes involved in the request. This fields are only needed for specific requests and objects.
304	(130)	UNSIGNED	4	HRB_A_CODE	Code of the first attribute
308	(134)	CHARACTER	8	HRB_A_NAME	Char value of attribute
316	(13C)	UNSIGNED	4	HRB_A_NR	Fixed value of attribute
368	(170)	CHARACTER	96	*	Reserved
464	(1D0)	UNSIGNED	4	HRB_REQ_MODE	Mode of the request. Only to be set for the GET request. See constant definition for details.
468	(1D4)	SIGNED	4	HRB_RANGE_VALUE	Number and direction of objects to process. If range is > 0 following objects are referenced. If range is < 0 preceding objects are referenced. The range includes the object with the given ID.
472	(1D8)	CHARACTER	8	HRB_PARMS	Additional parameters for specific requests only.
472	(1D8)	CHARACTER	1	HRB_TRACE	If yes, HOM request will be traced
473	(1D9)	CHARACTER	7	*	Reserved
480	(1E0)	CHARACTER	32	HRB_APPLICATION	Application maintained area. No support by HOM.
512	(200)	CHARACTER	108	HRB_INTERN	HOM internal used area. Layout not externalized.
620	(26C)	CHARACTER	64	*	Reserved
684	(2AC)	CHARACTER	64	HRB_RESULT	Section containing result of the request
684	(2AC)	UNSIGNED	4	HRB_DATA_NR	Number of all output-data records available for request. Data may be obtained via the additional HRB_DGET request.
688	(2B0)	UNSIGNED	4	HRB_DATA_SIZE	Size for output-data generated. This is the minimum size necessary for the data-output-block in the additional HRB_DGET request.
692	(2B4)	UNSIGNED	4	HRB_DATA_MAXS	Maximum size of one output-data record for these request.
696	(2B8)	UNSIGNED	4	HRB_MSG_NR	Number of all messages available for request. Messages may be obtained by the additional HRB_MGET request.
700	(2BC)	UNSIGNED	4	HRB_MSG_SIZE	Size for messages generated. This is the minimum size necessary for the data-output-block in the additional HRB_MGET request.
704	(2C0)	UNSIGNED	4	HRB_MSG_MAXS	Maximum size of one message for these request.
708	(2C4)	CHARACTER	16	*	Reserved
724	(2D4)	UNSIGNED	4	HRB_IODF_INFO	IODF status information field, only set on output if HRB_ACTIVE_IODF specified. Constants: HRB_INSYNCH = HW and SW of the active IODF are in sync, HRB_NOTINSYNCH = HW and SW are out of sync, HRB_NOTOKEN = No valid HW token exists.
728	(2D8)	UNSIGNED	4	HRB_RETURN_CODE	Return code.
732	(2DC)	UNSIGNED	4	HRB_REASON_CODE	Reason-code.
736	(2E0)	CHARACTER	12	*	Reserved

CBDZHRB Cross Reference

Name	Hex Offset	Hex Value
HRB	0	
HRB_A_CODE	130	
HRB_A_NAME	134	
HRB_A_NR	13C	
HRB_ACTIVE_IODF	34	
HRB_APPLICATION	1E0	
HRB_ATTRIBUTE	130	
HRB_DATA_MAXS	2B4	
HRB_DATA_NR	2AC	
HRB_DATA_SIZE	2B0	
HRB_FUNCTION	38	
HRB_INTERN	200	
HRB_IODF_INFO	2D4	
HRB_LENGTH	4	
HRB_MSG_MAXS	2C0	
HRB_MSG_NR	2B8	
HRB_MSG_SIZE	2BC	
HRB_OBJ_CODE	40	
HRB_OBJ_NAME	44	
HRB_OBJ_NR	4C	
HRB_OBJECT	40	
HRB_PARMS	1D8	
HRB_Q_ARR	50	
HRB_Q_CODE	50	
HRB_Q_NAME	54	
HRB_Q_NR	5C	
HRB_RANGE_VALUE	1D4	
HRB_REASON_CODE	2DC	
HRB_REQ_MODE	1D0	
HRB_RESULT	2AC	
HRB_RETURN_CODE	2D8	
HRB_SDESC	0	
HRB_SOBJ_CODE	B8	
HRB_SOBJ_NAME	BC	
HRB_SOBJ_NR	C4	
HRB_SOBJECT	B8	
HRB_SQ_ARR	C8	
HRB_SQ_CODE	C8	
HRB_SQ_NAME	CC	
HRB_SQ_NR	D4	
HRB_TRACE	1D8	
HRB_USE_IODF	8	

CBDZIODV Programming Interface information

Programming Interface information

CBDZIODV

End of Programming Interface information

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CBDZIODV Heading Information

Common Name: IODEVICE Internal Text Record Mapping Macro
Macro ID: CBDZIODV
DSECT Name: IODV, IODVCUNL, IODVFEAL, IODVPARL, IODVDESL, PPVA, PPVAIX, PPVAVAL
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: IODEVICE
Offset: 0
Length: 8
Storage Attributes: Main Storage: Obtained by caller
Residency: Determined by caller
Size: 164 bytes fixed part plus variable length
extensions (IODV)
2nd section: 16 bytes (IODVCUNL)
3rd section: a variable number of 10 byte fields (IODVFEAL)
4th section: a variable number of 8 byte fields (IODVPARL)
5th section: a variable number of 44 byte fields (IODVDESL)
6th section: 12 byte header (PPVA) followed by 64 array
entries (PPVAIX) which are 32 bytes each
7th section: a variable length field (PPVAVAL)
Created by: Assembler using CBDZPARS macro, HCD routines
Pointed to by: N/A
Serialization: None
Function: The CBDZIODV mapping contains:
- The I/O device address and number,
- The device characteristics, and
- The control units to which the device is assigned,
- The Private Parameter Value Array.

CBDZIODV Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	IODV	"*" IODEVICE Internal Text Record
0	(0)	CHARACTER	28		Internal text record header (ITRH)
28	(1C)	CHARACTER	8	IODVUNIT	Unit name specified
36	(24)	SIGNED	2		Reserved.
38	(26)	BITSTRING	1	IODVUNIA	Unit address
39	(27)	BITSTRING	1	IODVCSID	Channel Subsystem ID
40	(28)	BITSTRING	2	IODVDEVN	Device Number from DEVNUMBR
42	(2A)	BITSTRING	2	IODVDNBR	Hex device number
44	(2C)	SIGNED	2	IODVNBRD	Number of devices, default=1
46	(2E)	BITSTRING	1	IODVUIMF	UIM Internal flag byte
		1...		IODVUCNT	"X'80'" 1= IODVNBRD default device count
47	(2F)	BITSTRING	1	IODVPRCF	Processing flag byte
		1...		IODVPMOD	"X'80'" Model is a supported parameter for this device type
		.1..		IODVPREJ	"X'40'" Do not process this IODEVICE stmt
		..1.		IODVPDEF	"X'20'" Define this I/O device
		...1		IODVPISC	"X'10'" Device is an ISC device
		.... 1...		IODVSDEF	"X'08'" DAD record has been created
		.... .1..		IODVPGRP	"X'04'" Process as a device group
48	(30)	ADDRESS	4	IODVCUPT	Pointer to control unit list (IODVCUNL), zero when no list. Each entry is 2 bytes long
52	(34)	SIGNED	2	IODVCUCT	Number of control units in list
54	(36)	SIGNED	2	IODVFCNT	Number of features in FEATURE list (IODVFEAL)
56	(38)	ADDRESS	4	IODVFPTR	Pointer to features list (IODVFEAL), zero when no features specified (each entry in the list is ten bytes long)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
60	(3C)	SIGNED	4	(0)	Word alignment for bit map
60	(3C)	BITSTRING	8	IODVPARM (0)	Parameter bits
60	(3C)	BITSTRING	8	IODVPRMS (0)	Parameter bits
60	(3C)	ADDRESS	1	IODVFLG1	Keyword flag byte 1
				Comment	
				Equates for MVS IODEVICE record	
				End of Comment	
		1...		IODVFADP	"X'80'" 1= ADAPTER keyword
		.1..		IODVFADD	"X'40'" 1= ADDRESS keyword
		...1		IODVFFEA	"X'10'" 1= FEATURE keyword
		.... .1..		IODVFMOD	"X'04'" 1= MODEL keyword
		.... ..1.		IODVFNUM	"X'02'" 1= NUMSECT keyword
		1		IODVFOFF	"X'01'" 1= OFFLINE=YES
				Comment	
				Equates for VM RDEVICE record	
				End of Comment	
		1...		IODVVADP	"X'80'" 1= ADAPTER keyword
		.1..		IODVVAFP	"X'40'" 1= AFP keyword
		..1.		IODVVBAD	"X'20'" 1= BASEADD keyword
		...1		IODVVCHR	"X'10'" 1= CHARS keyword
		.... 1...		IODVVCLS	"X'08'" 1= CLASS keyword
		.... .1..		IODVVCPN	"X'04'" 1= CPNAME keyword
		.... ..1.		IODVVDST	"X'02'" 1= DEST keyword
		1		IODVVDPM	"X'01'" 1= DPMSIZE keyword
61	(3D)	ADDRESS	1	IODVFLG2	Keyword flag byte 2
				Comment	
				Equates for MVS IODEVICE record	
				End of Comment	
		1...		IODVFPCU	"X'80'" 1= PCU keyword
		.1..		IODVFSET	"X'40'" 1= SETADDR keyword
		..1.		IODVFTCU	"X'20'" 1= TCU keyword
		...1		IODVFUNI	"X'10'" 1= UNIT keyword
		.... 1...		IODVFDYN	"X'08'" 1= DYNAMIC keyword
		.... .1..		IODVFOWN	"X'04'" 1= OWNER keyword
		.... ..1.		IODVFLOC	"X'02'" 1= LOCANY keyword
				Comment	
				Equates for VM RDEVICE record	
				End of Comment	
		1...		IODVVFCB	"X'80'" 1= FCB keyword
		.1..		IODVVFLH	"X'40'" 1= FLASH keyword
		..1.		IODVVFLD	"X'20'" 1= FOLD keyword
		...1		IODVVFRM	"X'10'" 1= FORM keyword
		.... 1...		IODVVIMG	"X'08'" 1= IMAGE keyword
		.... .1..		IODVVIND	"X'04'" 1= INDEX keyword
		.... ..1.		IODVVMOD	"X'02'" 1= MODEL keyword
		1		IODVVOFF	"X'01'" 1= OFFLINE keyword
62	(3E)	ADDRESS	1	IODVFLG3	Keyword flag byte 3

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		Equates for VM RDEVICE record			
		End of Comment			
		1...		IODVVSEP	"X'80'" 1= SEP keyword
		.1..		IODVVSET	"X'40'" 1= SETADDR keyword
		..1.		IODVVSHR	"X'20'" 1= SHARED keyword
		...1		IODVVUIR	"X'10'" 1= UIRATE keyword
		.... 1...		IODVVMRK	"X'08'" 1= MARK keyword
		.... .1..		IODVVLIM	"X'04'" 1= LIMIT keyword
		.... ..1.		IODVVMDC	"X'02'" 1= MDC keyword
		1		IODVVDYN	"X'01'" 1= DYNAMIC keyword
63	(3F)	BITSTRING	1	IODVFLG4	Reserved
64	(40)	BITSTRING	1	IODVFLG5	Reserved
		Comment			
		Equates for VM RDEVICE record for DEVTYPE=FBASCSI			
		End of Comment			
		.... 1...		IODVVATT	"X'08'" 1= ATTR keyword
		.... .1..		IODVVFCP	"X'04'" 1= FCPDEV keyword
		.... ..1.		IODVVWWP	"X'02'" 1= WWPN keyword
		1		IODVVLUN	"X'01'" 1= LUN keyword
65	(41)	BITSTRING	3		Reserved
68	(44)	SIGNED	4	IODVIOCP (0)	IOCP-only parameter bits
68	(44)	BITSTRING	4	IODVIPRM (0)	IOCP-only parameter bits
68	(44)	ADDRESS	1	IODVIOF1	IOCP-only keyword flag byte
		1...		IODVICUN	"X'80'" 1= CUNUMBR keyword
		.1..		IODVIPTH	"X'40'" 1= PATH keyword
		..1.		IODVISTA	"X'20'" 1= STADET=N
		...1		IODVITIM	"X'10'" 1= TIMEOUT=N
		.... 1...		IODVIUNA	"X'08'" 1= UNITADD keyword
		.... .1..		IODVIDEV	"X'04'" 1= DEVNUMBR keyword
		.... ..1.		IODVISTY	"X'02'" 1= STADET=Y
		1		IODVITMY	"X'01'" 1= TIMEOUT=Y
69	(45)	ADDRESS	1	IODVIOF2	IOCP-only keyword flag byte 2
		1...		IODVIPAR	"X'80'" 1= PARTITION keyword
		.1..		IODVINPA	"X'40'" 1= NOTPART keyword
		..1.		IODVIPCS	"X'20'" 1= CSS specified with PART
		...1		IODVICCS	"X'10'" 1= CSS specified with PATH
70	(46)	BITSTRING	2		Reserved
72	(48)	CHARACTER	4	IODVMODL	Model number (valid only when IODVFMOD is set)
76	(4C)	BITSTRING	1	IODVPFLG	Parameter flags
		1...		IODVPOFF	"X'80'" .. ON = OFFLINE=YES, otherwise NO
		.1..		IODVPDYN	"X'40'" .. ON = DYNAMIC=YES, otherwise NO
		..1.		IODVPLOC	"X'20'" .. ON = LOCANY=YES, otherwise NO
77	(4D)	BITSTRING	1		Reserved
78	(4E)	SIGNED	2	IODVNUMS	Number of 256-byte buffer sections in a 2840 display control unit to be assigned to a 2250 Model 3 (valid only when IODVFNUM is set)
80	(50)	CHARACTER	4	IODVTCU	Transmission control unit (valid only when IODVFTCU is set)
84	(54)	SIGNED	2	IODVCHPC	Number of entries in preferred CHPID list (IODVCHPL)
86	(56)	BITSTRING	1	IODVPATH	Channel Path (valid only when IODVFPTH is set)
87	(57)	BITSTRING	1	IODVSETA	Set address command indicator for 2702 (valid only when IODVFSET is set)
88	(58)	CHARACTER	5	IODVADPT	Transmission adapter specified on ADAPTER keyword (valid only when IODVFADP is set)
93	(5D)	BITSTRING	1	IODVSSID	Subchannel set number
94	(5E)	BITSTRING	2	IODVPCU	Physical control unit ID (valid only when IODVFPCU is set)
96	(60)	ADDRESS	4	IODVPPVA	Address to Private Parameter Value Array (PPVA)
100	(64)	CHARACTER	2		Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
102	(66)	ADDRESS	2	IODVXLEN	Length of extension area
104	(68)	ADDRESS	4	IODVXPTR	Address to extension area
108	(6C)	BITSTRING	8	IODVFEAT (0)	Feature bit string
108	(6C)	ADDRESS	1	IODVFEA1	Feature flag byte 1
				Comment	
				Equates for VM RDEVICE record	
				End of Comment	
		1...		IODVFCNV	"X'80'" 1= CONV feature
		.1..		IODVFDUA	"X'40'" 1= DUALDENS feature
		..1.		IODVFEMU	"X'20'" 1= EMUL3270 feature
		...1		IODVFHLD	"X'10'" 1= E3270HLD feature
		.... 1...		IODVFOPR	"X'08'" 1= OPRDR feature
		.... .1..		IODVFTRN	"X'04'" 1= TRANS feature
		.... ..1.		IODVFUNV	"X'02'" 1= UNVCHSET feature
		1		IODVF4WC	"X'01'" 1= 4WCGMS feature
109	(6D)	ADDRESS	1	IODVFEA2	Feature flag byte 2
				Comment	
				Equates for VM RDEVICE record	
				End of Comment	
		1...		IODVF7TR	"X'80'" 1= 7-TRACK feature
		.1..		IODVFDPS	"X'40'" 1= DPS feature
		..1.		IODVFRES	"X'20'" 1= RESERVE feature
110	(6E)	BITSTRING	6		Feature flag bytes 3 to 8
116	(74)	CHARACTER	8	IODVOWNR	Owner identification
124	(7C)	ADDRESS	4	IODVPARP	Pointer to partition list (IODVPARL) zero when no partition specified (each entry in the list is eigth bytes long)
128	(80)	SIGNED	2	IODVPARC	Number of entries in partition list (IODVPARL)
130	(82)	SIGNED	2	IODVDESC	Number of entries in IODVDESL
132	(84)	ADDRESS	4	IODVDESP	Pointer to list of serial number and description of devices (IODVDESL) zero when list not available
136	(88)	SIGNED	2	IODVEXPO	First non-base exposure device number, only valid when IODVMULT is set
138	(8A)	BITSTRING	1	IODVFLB	Flag byte
		1...		IODVMULT	"X'80'" Device is a multi-exposure device and IODVEXPO contains the starting device number of the first non-base exposure
		.1..		IODVFPAV	"X'40'" If set, indicates that device is a PAV device
		..1.		IODVFBAS	"X'20'" If set, indicates device is a PAV-base device. IODVFPAV is also set.
		...1		IODVFALI	"X'10'" If set, indicates device is a PAV-alias device. IODVFPAV is also set.
139	(8B)	BITSTRING	1	IODVCSSM	Internal CSS mask
140	(8C)	CHARACTER	3		Reserved
143	(8F)	BITSTRING	1	IODVCCSM	Internally used 002A
144	(90)	CHARACTER	6	IODVVOL	Reserved
150	(96)	BITSTRING	1	IODVXCSM	Internal existence mask
151	(97)	BITSTRING	1	IODVNCMK	CSS mask of null device cand list
152	(98)	ADDRESS	4	IODVPARS	Pointer to partition status list (IODVPAST), contains zero when no CSS is specified (number of entries contained in IODVPARC)
156	(9C)	ADDRESS	4	IODVCHPP	Pointer to preferred CHPID list
160	(A0)	CHARACTER	4		Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IODVCUNL	Control Unit list - pointed to by IODVCUPT

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	SIGNED	2	IODVCUNO (8)	8 is a maximum - may be less or 0

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IODVFEAL	Features list - pointed to by IODVFPTR
0	(0)	CHARACTER	10	IODVFNAM (0)	Unknown number of features

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IODVPARL	Partition list - pointed to by IODVPARP
0	(0)	CHARACTER	8	IODVPANM (0)	Partition name - unknown number of entries

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IODVPAST	Partition status list - pointed to by IODVPARS
0	(0)	CHARACTER	2	(0)	Partition name - unknown number of entries
0	(0)	ADDRESS	1	IODVPACS	CSS id
1	(1)	BITSTRING	1	IODVPAIX	Inclusion/exclusion status
		1...		IODVPAIN	"X'80'" .. Partition included
		.1..		IODVPAEX	"X'40'" .. Partition excluded

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IODVCHPL	Preferred CHPID list - pointed to by IODVCHPP
0	(0)	BITSTRING	1	IODVCHP	Id of channel path used as preferred channel path
1	(1)	ADDRESS	1	IODVCHCS	CSS id of channel path

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IODVDESL	Device description list
0	(0)	CHARACTER	10	IODVSER	- Serial number
10	(A)	CHARACTER	2		- Reserved
12	(C)	CHARACTER	32	IODVDES	- Description

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PPVA	Private Parameter Value Array
0	(0)	CHARACTER	4	PPVASD	Storage descriptor ('PPVA')
4	(4)	ADDRESS	4	PPVAAVAL	address to value area
8	(8)	SIGNED	4	PPVASVAL	size of value area
12	(C)	SIGNED	4	PPVAAIX (0)	the index area

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PPVAIX	Private Parameter Value Array
0	(0)	BITSTRING	1	PPVATYP	parameter type
0	(0)	X'1'	0	PPVATDEC	"1" .. Decimal data
0	(0)	X'2'	0	PPVACHAR	"2" .. Character data
0	(0)	X'3'	0	PPVAHEX	"3" .. Hexadecimal data
0	(0)	X'4'	0	PPVAANUM	"4" .. Alphanumeric data
0	(0)	X'5'	0	PPVAANUX	"5" .. Alphanumeric data or '*'
0	(0)	X'6'	0	PPVAYN	"6" .. YES / NO

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	X'7'	0	PPVANAMC	"7" .. Character name
0	(0)	X'8'	0	PPVANAMX	"8" .. Character name or '*'
0	(0)	X'9'	0	PPVANAM_	"9" .. Character name including '_'
1	(1)	BITSTRING	1	PPVALEN	length of parameter value
2	(2)	BITSTRING	1	PPVACNT	number of specified parameter values
3	(3)	CHARACTER	1		reserved
4	(4)	CHARACTER	24		reserved for later use
28	(1C)	ADDRESS	4	PPVAVALP	address to the parameter value in the value area

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	PPVAVAL	PPVA index area
0	(0)	CHARACTER	1	PPVAVNAM (0)	the parameter value

Comment

The following definitions used for field PPVAPNAM if the parameter value is of type PPVAYN.

End of Comment

0	(0)	X'F0'	0	PPVAPNO	"C'0'" 'NO' is parameter value
0	(0)	X'F1'	0	PPVAPYES	"C'1'" 'YES' is parameter value

CBDZIODV Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IODV	0	0	IODVFFEA	3C	10
IODVADPT	58		IODVFHLD	6C	10
IODVCCSM	8F		IODVFLB	8A	
IODVCHCS	1		IODVFLG1	3C	
IODVCHP	0		IODVFLG2	3D	
IODVCHPC	54		IODVFLG3	3E	
IODVCHPL	0		IODVFLG4	3F	
IODVCHPP	9C		IODVFLG5	40	
IODVCSID	27		IODVFLOC	3D	2
IODVCSSM	8B		IODVFMOD	3C	4
IODVCUCT	34		IODVFNAM	0	
IODVCUNL	0		IODVFNUM	3C	2
IODVCUNO	0		IODVFOFF	3C	1
IODVCUPT	30		IODVFOPR	6C	8
IODVDES	C		IODVFOWN	3D	4
IODVDESC	82		IODVFPAV	8A	40
IODVDESL	0		IODVFPCU	3D	80
IODVDESP	84		IODVFPTR	38	
IODVDEVN	28		IODVFRES	6D	20
IODVDNBR	2A		IODVFSET	3D	40
IODVEXPO	88		IODVFTCU	3D	20
IODVFADD	3C	40	IODVFTRN	6C	4
IODVFADP	3C	80	IODVFUNI	3D	10
IODVFALI	8A	10	IODVFUNV	6C	2
IODVFBAS	8A	20	IODVF4WC	6C	1
IODVFCNT	36		IODVF7TR	6D	80
IODVFCNV	6C	80	IODVICCS	45	10
IODVFDPS	6D	40	IODVICUN	44	80
IODVFDUA	6C	40	IODVIDEV	44	4
IODVFDYN	3D	8	IODVINPA	45	40
IODVFEAL	0		IODVIOCP	44	
IODVFEAT	6C		IODVIOF1	44	
IODVFEA1	6C		IODVIOF2	45	
IODVFEA2	6D		IODVIPAR	45	80
IODVFEMU	6C	20	IODVIPCS	45	20

CBDZIODV Cross Reference

Name	Hex Offset	Hex Value
IODVIPRM	44	
IODVIPTH	44	40
IODVISTA	44	20
IODVISTY	44	2
IODVITIM	44	10
IODVITMY	44	1
IODVIUNA	44	8
IODVMODL	48	
IODVMULT	8A	80
IODVNBRD	2C	
IODVNCMK	97	
IODVNUMS	4E	
IODVOWNR	74	
IODVPACS	0	
IODVPAEX	1	40
IODVPAIN	1	80
IODVPAIX	1	
IODVPANM	0	
IODVPARC	80	
IODVPARL	0	
IODVPARM	3C	
IODVPARP	7C	
IODVPARS	98	
IODVPAST	0	
IODVPATH	56	
IODVPCU	5E	
IODVPDEF	2F	20
IODVPDYN	4C	40
IODVPFLG	4C	
IODVPGRP	2F	4
IODVPISC	2F	10
IODVPLOC	4C	20
IODVPMOD	2F	80
IODVPOFF	4C	80
IODVPPVA	60	
IODVPRCF	2F	
IODVPREJ	2F	40
IODVPRMS	3C	
IODVSDEF	2F	8
IODVSER	0	
IODVSETA	57	
IODVSSID	5D	
IODVTCU	50	
IODVUCNT	2E	80
IODVUIMF	2E	
IODVUNIA	26	
IODVUNIT	1C	
IODVVADP	3C	80
IODVVAFP	3C	40
IODVVATT	40	8
IODVVBAD	3C	20
IODVVCHR	3C	10
IODVVCLS	3C	8
IODVVCPN	3C	4
IODVVDPM	3C	1
IODVVDST	3C	2
IODVVDYN	3E	1
IODVVFCB	3D	80
IODVVFCP	40	4
IODVVFLD	3D	20
IODVVFLH	3D	40
IODVVFRM	3D	10
IODVVIMG	3D	8
IODVVIND	3D	4
IODVVLIM	3E	4
IODVVLUN	40	1
IODVVMDC	3E	2
IODVVMOD	3D	2
IODVVMRK	3E	8
IODVVOFF	3D	1
IODVVOL	90	
IODVVSEP	3E	80
IODVVSET	3E	40
IODVVSHR	3E	20
IODVVUIR	3E	10
IODVVWWP	40	2
IODVXCSM	96	
IODVXLEN	66	
IODVXPTR	68	
PPVA	0	
PPVAAIX	C	
PPVAANUM	0	4
PPVAANUX	0	5
PPVAAVAL	4	
PPVACHAR	0	2
PPVACNT	2	
PPVAHEX	0	3
PPVAIX	0	
PPVALEN	1	
PPVANAM_	0	9
PPVANAMC	0	7
PPVANAMX	0	8
PPVAPNO	0	F0
PPVAPYES	0	F1
PPVASD	0	
PPVASVAL	8	
PPVATDEC	0	1
PPVATYP	0	
PPVAVAL	0	
PPVAVALP	1C	
PPVAVNAM	0	
PPVAYN	0	6

CBDZITRH Programming Interface information

Programming Interface information

CBDZITRH

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CBDZITRH Heading Information

Common Name: Internal Text Record Header Mapping Macro
Macro ID: CBDZITRH
DSECT Name: ITRH
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: RESOURCE, CHPID, IODEVICE, CNTLUNIT, EDT, UNITNAME, NIPCON, ID, IOCONFIG, RDEVICE, SWITCH, PORT, SWCONF, POCONF, RIOGEN, HCDSEP, or HCDEND
Offset: 0
Length: 8
Storage Attributes: Main Storage: Obtained by caller
Key: Caller
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: 28 bytes
Created by: Assembler using CBDZPARS macro, HCD modules
Pointed to by: N/A
Serialization: None
Function: Maps the Internal Text Record Header.

CBDZITRH Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	ITRH	CBDZITRH Internal Text Record Header
0	(0)	CHARACTER	8	ITRHID	Internal text record type (CHPID, CNTLUNIT, EDT, ID, IOCONFIG, IODEVICE, NIPCON, HCDEND, HCDSEP, RDEVICE, RIOGEN, or UNITNAME)
8	(8)	CHARACTER	6	ITRHSNBR	statement number, right aligned
14	(E)	BITSTRING	1		Reserved
15	(F)	CHARACTER	1	ITRHFNBR	File number
16	(10)	ADDRESS	4	ITRHNEXT	Pointer to next internal text record, zero if last record
20	(14)	BITSTRING	4		Reserved
24	(18)	BITSTRING	4	ITRHUSER	For component use
28	(1C)	BITSTRING	1	ITRHTEXT (0)	Start of internal text

CBDZITRH Cross Reference

Name	Hex Offset	Hex Value
ITRH	0	
ITRHFNBR	F	
ITRHID	0	
ITRHNEXT	10	
ITRHSNBR	8	
ITRHTEXT	1C	
ITRHUSER	18	

CBDZMSG Programming Interface information

Programming Interface information

CBDZMSG

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CBDZMSG Heading Information

Common Name: HCD Message Routine Parameter List
Macro ID: CBDZMSG
DSECT Name: MSGR
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: MSG
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: 128 bytes
Created by: UIM and other HCD routines
Pointed to by: N/A
Serialization: None
Function: Maps the HCD Message Routine Parameter List

CBDZMSG Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	Message Routine Input Parameter
0	(0)	CHARACTER	4	MSGSD	Storage descriptor
4	(4)	CHARACTER	8	MSGMID	Message identifier
12	(C)	CHARACTER	1	MSGSEV	Severity level
12	(C)	X'C9'	0	MSGINFO	"C'I'" .. Informational message
12	(C)	X'E6'	0	MSGWARN	"C'W'" .. Warning message
12	(C)	X'C5'	0	MSGERR	"C'E'" .. Error message
12	(C)	X'E3'	0	MSGTERM	"C'T'" .. Terminating message
13	(D)	BITSTRING	1	MSGFLGS	Flags
		1...		MSGFUIM	"B'10000000'" .. Caller is a UIM
		.1..		MSGFSTMT	"B'01000000'" .. STMT=YES was specified
		..1.		MSGFFILE	"B'00100000'" .. STMT=FILE was specified
		.... 1...		MSGFCNTL	"B'00001000'" .. Is a CONTROL message
14	(E)	ADDRESS	1	MSGROUTE	Message Routing Code
14	(E)	X'1'	0	MSGRSCRN	"1" .. Default destination (screen or SYSPRINT depending on mode
14	(E)	X'2'	0	MSGRSLOG	"2" .. Message is destined for HCD log (HCDMLOG)
14	(E)	X'3'	0	MSGRTLOG	"3" .. Message is destined for temporary log for message fullist
15	(F)	CHARACTER	1	MSGSEVC	Control severity level, this field overrules MSGSEV, it may be used if a message is to be logged into a severity queue deviating from the queue specified in MSGSEV.
16	(10)	CHARACTER	8	MSGCURS	Identifier of dialog variable the cursor is to be positioned
24	(18)	ADDRESS	4	MSGPTR1	Pointer to message variable 1
28	(1C)	SIGNED	1	MSGLEN1	Length of message variable 1
29	(1D)	BITSTRING	1	MSGTYP1	Type of message variable 1
30	(1E)	BITSTRING	2		Reserved
32	(20)	ADDRESS	4	MSGPTR2	Pointer to message variable 2
36	(24)	SIGNED	1	MSGLEN2	Length of message variable 2
37	(25)	BITSTRING	1	MSGTYP2	Type of message variable 2
38	(26)	BITSTRING	2		Reserved
40	(28)	ADDRESS	4	MSGPTR3	Pointer to message variable 3
44	(2C)	SIGNED	1	MSGLEN3	Length of message variable 3
45	(2D)	BITSTRING	1	MSGTYP3	Type of message variable 3
46	(2E)	BITSTRING	2		Reserved
48	(30)	ADDRESS	4	MSGPTR4	Pointer to message variable 4
52	(34)	SIGNED	1	MSGLEN4	Length of message variable 4
53	(35)	BITSTRING	1	MSGTYP4	Type of message variable 4
54	(36)	BITSTRING	2		Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
56	(38)	ADDRESS	4	MSGPTR5	Pointer to message variable 5
60	(3C)	SIGNED	1	MSGLEN5	Length of message variable 5
61	(3D)	BITSTRING	1	MSGTYP5	Type of message variable 5
62	(3E)	BITSTRING	2		Reserved
64	(40)	ADDRESS	4	MSGPTR6	Pointer to message variable 6
68	(44)	SIGNED	1	MSGLEN6	Length of message variable 6
69	(45)	BITSTRING	1	MSGTYP6	Type of message variable 6
70	(46)	BITSTRING	2		Reserved
72	(48)	ADDRESS	4	MSGPTR7	Pointer to message variable 7
76	(4C)	SIGNED	1	MSGLEN7	Length of message variable 7
77	(4D)	BITSTRING	1	MSGTYP7	Type of message variable 7
78	(4E)	BITSTRING	2		Reserved
80	(50)	ADDRESS	4	MSGPTR8	Pointer to message variable 8
84	(54)	SIGNED	1	MSGLEN8	Length of message variable 8
85	(55)	BITSTRING	1	MSGTYP8	Type of message variable 8
86	(56)	BITSTRING	2		Reserved
88	(58)	ADDRESS	4	MSGPTR9	Pointer to message variable 9
92	(5C)	SIGNED	1	MSGLEN9	Length of message variable 9
93	(5D)	BITSTRING	1	MSGTYP9	Type of message variable 9
94	(5E)	BITSTRING	2		Reserved
96	(60)	BITSTRING	16		Reserved
112	(70)	BITSTRING	16	MSGFPOS	Position field name
112	(70)	X'80'	0	MSGEND	"*" End of MSGR.
0	(0)	CHARACTER	1	MSGR	Message Log Routine Input Parms.

Comment

The following constants are used for the message variable type

End of Comment

0	(0)	X'C3'	0	MSGTCHAR	"C'C'" .. Message variable is character
0	(0)	X'C2'	0	MSGTBIN	"C'B'" .. Message variable is binary
0	(0)	X'C8'	0	MSGTHEX	"C'H'" .. Message variable is hexadecimal
128	(80)	CHARACTER	4	MSGIDNM	Constant for storage descriptor

CBDZMSG Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MSGCURS	10	40404040	MSGPTR5	38	
MSGEND	70	80	MSGPTR6	40	
MSGERR	C	C5	MSGPTR7	48	
MSGFCNTL	D	8	MSGPTR8	50	
MSGFFILE	D	20	MSGPTR9	58	
MSGFLGS	D	0	MSGR	0	
MSGFPOS	70	0	MSGROUTE	E	
MSGFSTMT	D	40	MSGRSCRN	E	1
MSGFUIM	D	80	MSGRSLOG	E	2
MSGIDNM	80	D4E2C740	MSGRTLOG	E	3
MSGINFO	C	C9	MSGSD	0	D4E2C740
MSGLEN1	1C	0	MSGSEV	C	40
MSGLEN2	24	0	MSGSEVC	F	40
MSGLEN3	2C	0	MSGTBIN	0	C2
MSGLEN4	34	0	MSGTCHAR	0	C3
MSGLEN5	3C	0	MSGTERM	C	E3
MSGLEN6	44	0	MSGTHEX	0	C8
MSGLEN7	4C	0	MSGTYP1	1D	0
MSGLEN8	54	0	MSGTYP2	25	0
MSGLEN9	5C	0	MSGTYP3	2D	0
MSGMID	4	40404040	MSGTYP4	35	0
MSGPTR1	18		MSGTYP5	3D	0
MSGPTR2	20		MSGTYP6	45	0
MSGPTR3	28		MSGTYP7	4D	0
MSGPTR4	30		MSGTYP8	55	0

CBDZMSG Cross Reference

Name	Hex Offset	Hex Value
MSGTYP9	5D	0
MSGWARN	C	E6

CBDZSIP Programming Interface information

Programming Interface information

CBDZSIP

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CBDZSIP Heading Information

Common Name: Switch Information Parameters (SIP)
Macro ID: CBDZSIP
DSECT Name: SIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: SIP
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by UIM
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: See generated data
Created by: UIM
Pointed to by: N/A
Serialization: None
Function: Maps the Switch Information Parameters

CBDZSIP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	SIP (0)	CU Information Parameters
0	(0)	CHARACTER	4	SIPID	SIP identifier ('SIP ')
4	(4)	ADDRESS	1	SIPVER	SIP version number
5	(5)	BITSTRING	1	SIPFLAG	Flag byte
		1...		SIPFDMOD	"X'80'" .. This model is the default model for this switch
6	(6)	ADDRESS	1	SIPATYPE	Switch type
6	(6)	X'0'	0	SIPATESC	"0" - ESCON type
6	(6)	X'1'	0	SIPATFIC	"1" - FICON type
7	(7)	BITSTRING	9		Reserved
16	(10)	CHARACTER	12	SIPUNMD (0)	Switch type and model
16	(10)	CHARACTER	8	SIPUNIT	.. Type
24	(18)	CHARACTER	4	SIPMODL	.. Model number (binary zero if not present)
28	(1C)	BITSTRING	4		Reserved
		Comment			
		Attachment Information			
		End of Comment			
32	(20)	BITSTRING	4	SIPATTT	Attachment type
		Comment			
		EQU X'80000000' .. Reserved			
		EQU X'40000000' .. Reserved			
		End of Comment			
		....		SIPATCNC	"X'20000000'" .. attachable to ESCON channel (TYPE=CNC)
		....		SIPATCTC	"X'10000000'" .. attachable to ESCON CTC
		....		SIPATCVC	"X'08000000'" .. attachable to CVC channel (ESCON converter)
		....		SIPATIOC	"X'04000000'" .. attachable to IOC channel
		Comment			
		EQU X'02000000' .. Reserved			
		EQU X'01000000' .. Reserved			
		End of Comment			

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
32	(20)	BITSTRING	0	SIPATCBY	"X'00800000'" .. attachable to CBY channel

Comment

EQU X'00400000' .. Reserved
EQU X'00200000' .. Reserved

End of Comment

32	(20)	BITSTRING	0	SIPATFC	"X'00040000'" .. attachable to FC channel
32	(20)	BITSTRING	0	SIPATFCV	"X'00020000'" .. attachable to FCV channel
36	(24)	ADDRESS	4	SIPSWLC	Count of switch types and models in list
40	(28)	ADDRESS	4	SIPSWLP	Pointer to attachable switch list
44	(2C)	ADDRESS	4	SIPCULC	Count of switch control unit type/models in list
48	(30)	ADDRESS	4	SIPCULP	Pointer to switch control unit type/models in list
52	(34)	ADDRESS	4	SIPCHPC	Count of CHPID types with CHPID related information
56	(38)	ADDRESS	4	SIPCHPP	Pointer to CHPID type related information

Comment

The following bitmaps define the port characteristics
- o Control unit port usage mask
- o support mask (maximum port range)
- o minimum port range
- o CHPID attachment mask
- o Control unit attachment mask
- o Switch attachment mask

End of Comment

60	(3C)	BITSTRING	32	SIPCUPUM	Control unit port usage mask indicates if the port can be used as control unit port (CUP)
92	(5C)	BITSTRING	32	SIPPOSUP	Port support mask, indicates if the port is supported by the switch
124	(7C)	BITSTRING	32	SIPPOMIN	Minimum port range, indicates if the port belongs to the minimum port range
156	(9C)	BITSTRING	32	SIPPOCHP	CHPID attachment mask, indicates if the port allows that a CHPID can be attached to the port
188	(BC)	BITSTRING	32	SIPPOCU	Control unit attachment mask, indicates if the port allows that a control unit can be connected to it
220	(DC)	BITSTRING	32	SIPPOSW	Switch attachment mask, indicates if the port allows the attachment of another switch

Comment

The following array maps the attachable switch list. If more than one switch exists which can be attached to the switch, described by this SIP,
you must code SWL=n on the macro statement where 'n' is the number of switches.

End of Comment

252	(FC)	SIGNED	4	SIPASWL (0)	Attachable switch list
252	(FC)	BITSTRING	12		Switch type/model

Comment

The following array maps the switch control unit list. Each entry defines a control unit, by type and model, which can be defined as "switch" control unit.
You must code CUL=n on the macro statement where 'n' is the number of switch control units.

End of Comment

264	(108)	SIGNED	4	SIPCULST (0)	Switch control unit list
264	(108)	BITSTRING	12		Switch control unit type/models

CBDZSIP Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
		The following array maps the CHPID type related connection information.			
		End of Comment			
276	(114)	SIGNED	4	SIPCPLST (0)	CHPID type related connection information
276	(114)	BITSTRING	80		CHPID type related entry

CBDZSIP Cross Reference

Name	Hex Offset	Hex Value
SIP	0	
SIPASWL	FC	
SIPATCBY	20	800000
SIPATCNC	20	0
SIPATCTC	20	0
SIPATCVC	20	0
SIPATESC	6	0
SIPATFC	20	40000
SIPATFCV	20	20000
SIPATFIC	6	1
SIPATIOC	20	0
SIPATTT	20	0
SIPATYPE	6	
SIPCHPC	34	
SIPCHPP	38	
SIPCPLST	114	
SIPCULC	2C	
SIPCULP	30	
SIPCULST	108	
SIPCUPUM	3C	0
SIPFDMOD	5	80
SIPFLAG	5	0
SIPID	0	E2C9D740
SIPMODL	18	40404040
SIPPOCHP	9C	0
SIPPOCU	BC	0
SIPPOMIN	7C	0
SIPPOSUP	5C	0
SIPPOSW	DC	0
SIPSWLC	24	
SIPSWLP	28	
SIPUNIT	10	40404040
SIPUNMD	10	
SIPVER	4	

CBDZUCA Programming Interface information

Programming Interface information

CBDZUCA

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CBDZUCA Heading Information

Common Name: UIM Communication Area
Macro ID: CBDZUCA
DSECT Name: UCA
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: UIM
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by caller
Data Space: SUBPOOL AND KEY:
Residency: Determined by caller
Size: 164 bytes
Created by: UIM and other HCD routines
Pointed to by: N/A
Serialization: None
Function: Maps the UIM Communication Area

CBDZUCA Map

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UCA	UIM Communication Area
0	(0)	CHARACTER	4	UCAID	UCA identifier
4	(4)	BITSTRING	1	UCAVER	UCA version number
		1		UCAVERN	"X'01'" .. Version number X'01'
		.... ..1.		UCAVER2	"X'02'" .. Version number X'02'
		11		UCAVER3	"X'03'" .. Version number X'03'
		.... .1..		UCAVER4	"X'04'" .. Version number X'04'
4	(4)	X'4'	0	UCAVERC	"UCAVER4" .. Current version number
5	(5)	BITSTRING	3		Reserved
8	(8)	ADDRESS	4	UCACPVTP	CPVT Address
		Comment			
		UIM Service Routine Addresses			
		End of Comment			
12	(C)	ADDRESS	4	UCADCTP	DCT Build Routine address
16	(10)	ADDRESS	4	UCADFTP	DFT Build Routine address
20	(14)	ADDRESS	4	UCAGITP	GIT Build Routine address
24	(18)	ADDRESS	4	UCAUITP	UIT Build Routine address
28	(1C)	ADDRESS	4	UCACITP	CIT Build Routine address
32	(20)	ADDRESS	4	UCAUGNP	Update generic name Routine addr
36	(24)	ADDRESS	4	UCADEVP	Device Look-up Routine address
40	(28)	ADDRESS	4	UCASITP	SIT Build Routine address
44	(2C)	ADDRESS	4	(3)	Reserved, must be zero
		Comment			
		General Service Routine Addresses			
		End of Comment			
56	(38)	ADDRESS	4	UCAMGETM	GETMAIN Service Routine address
60	(3C)	ADDRESS	4	UCAMPPDS	Push/Pop Diagnostic Stack Routine address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
64	(40)	ADDRESS	4	UCAMMSG	Message Routine address
68	(44)	ADDRESS	4	UCATRCEP	Address of trace service routine
72	(48)	ADDRESS	4	(6)	Reserved, must be zero
				Comment	
				UIM Interface Information	
				End of Comment	
96	(60)	ADDRESS	4	UCAIODVP	IODEVICE internal text record address
100	(64)	BITSTRING	1	UCAUIMRT	UIM request type
		1		UCARINIT	"X'01'" .. Initialization request
		.... ..1.		UCARDFTB	"X'02'" .. DFT build request
		11		UCAREOD	"X'03'" .. End of data processing
		.... .1..		UCARADDR	"X'04'" .. Device Number check
		.... .1.1		UCARPARM	"X'05'" .. Parameter check
		.... .11.		UCARFEAT	"X'06'" .. Feature check
		.... .111		UCARUADD	"X'07'" .. Unit Address check
101	(65)	BITSTRING	1	UCAFLAG1	Flags set by UIMs
		1...		UCAEODAT	"X'80'" .. UIM should be called again to perform end of data checking
102	(66)	BITSTRING	1		Reserved, must be zero
103	(67)	BITSTRING	1	UCAOSTP	OS type for which parameter and feature checks have to be performed
		....		UCAMVS	"X'00'" .. MVS
		1		UCAVM	"X'01'" .. VM
104	(68)	ADDRESS	4	UCAUSER	UIM user value for device
108	(6C)	SIGNED	2	UCAPID	Identifier of the parameter where the message issued by a UIM belongs to
110	(6E)	SIGNED	2	UCAPPOS	Position of feature in feature bitstring where the message issued by a UIM belongs to
112	(70)	SIGNED	4	UCARETC	Return Code, set by UIM
112	(70)	X'0'	0	UCARCOK	"0" .. OK, everything alright
112	(70)	X'4'	0	UCARWARN	"4" .. Warning issued
112	(70)	X'8'	0	UCARCERR	"8" .. Error occurred
116	(74)	CHARACTER	32		Reserved, must be zero
				Comment	
				DFT/UCB Build Information	
				End of Comment	
148	(94)	ADDRESS	4	UCADDSP	Address of UCB device dependent segment information
152	(98)	ADDRESS	4	UCADDEP	Address of UCB device dependent extension information
156	(9C)	ADDRESS	4	UCADCEP	Address of UCB device class extension information
160	(A0)	CHARACTER	4		Reserved, must be zero
160	(A0)	X'A4'	0	UCALENG	"*-UCA" Length of control block
				Comment	
				The following constants are used to determine the support level HCD provides for the UIMs	
				End of Comment	
160	(A0)	X'2'	0	UCASLSW	"UCAVER2" Lowest UCA version number that supports switches
160	(A0)	X'3'	0	UCASLSE	"UCAVER3" UCA version number 3
160	(A0)	X'4'	0	UCASLSH	"UCAVER4" Lowest UCA version number that supports SHARK

CBDZUCA Cross Reference

Name	Hex Offset	Hex Value
UCA	0	
UCACITP	1C	
UCACPVTP	8	
UCADCEP	9C	
UCADCTP	C	
UCADDEP	98	
UCADDSP	94	
UCADEVP	24	
UCADFTP	10	
UCAEODAT	65	80
UCAFLAG1	65	
UCAGITP	14	
UCAID	0	
UCAIODVP	60	
UCALENG	A0	A4
UCAMGETM	38	
UCAMMSG	40	
UCAMPPDS	3C	
UCAMVS	67	0
UCAOSTP	67	
UCAPID	6C	
UCAPPOS	6E	
UCARADDR	64	4
UCARCERR	70	8
UCARCOK	70	0
UCARDFTB	64	2
UCAREOD	64	3
UCARETC	70	
UCARFEAT	64	6
UCARINIT	64	1
UCARPARM	64	5
UCARUADD	64	7
UCARWARN	70	4
UCASITP	28	
UCASLSE	A0	3
UCASLSH	A0	4
UCASLSW	A0	2
UCATRCEP	44	
UCAUGNP	20	
UCAUIMRT	64	
UCAUITP	18	
UCAUSER	68	
UCAVER	4	
UCAVERC	4	4
UCAVERN	4	1
UCAVER2	4	2
UCAVER3	4	3
UCAVER4	4	4
UCAVM	67	1

CBDZUIP Programming Interface information

Programming Interface information

CBDZUIP

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CBDZUIP Heading Information

Common Name: Unit Information Parameters
Macro ID: CBDZUIP
DSECT Name: UIP
Owning Component: Hardware Configuration Definition (SC1XL)
Eye-Catcher ID: UIP
Offset: 0
Length: 4
Storage Attributes: Main Storage: Obtained by UIM
Residency: Determined by caller
Size: 232 bytes
Created by: UIM
Pointed to by: N/A
Serialization: NONE
Function: Maps the Unit Information Parameters.

CBDZUIP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	UIP (0)	Unit Information Parameters
			Comment		
		UIP Header			
			End of Comment		
0	(0)	SIGNED	4	UIPGHDS (0)	UIP Header Section
0	(0)	CHARACTER	4	UIPGID	Control block identifier ("UIP ")
4	(4)	ADDRESS	1	UIPGVER	UIP version number
		1		UIPGVER1	"X'01'" .. Version 1 of UIP
5	(5)	BITSTRING	1		Reserved
6	(6)	ADDRESS	2	UIPGELEN	Entire Length of UIP
			Comment		
		General Section			
			End of Comment		
8	(8)	SIGNED	4	UIPGENS (0)	UIP General Section
			Comment		
		Header of General Section			
			End of Comment		
8	(8)	ADDRESS	2	UIPGLEN	Length of general section
10	(A)	ADDRESS	1	UIPGTYP	Type of section
		1111 1111		UIPGEN	"X'FF'" .. 255 for general section
11	(B)	BITSTRING	1		Reserved
			Comment		
		Body of General Section			
			End of Comment		
12	(C)	CHARACTER	12	UIPGUNMD (0)	Unit and model
12	(C)	CHARACTER	8	UIPGUNIT	Unit name
20	(14)	BITSTRING	4	UIPGMODL	Model number (must be binary zero if model is not specified)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
24	(18)	ADDRESS	1	UIPGDESI	Index to unit description in associated UDT
25	(19)	ADDRESS	1	UIPGGRP	Device type grouping
25	(19)	X'1'	0	UIPGDASD	"1" .. DASD
25	(19)	X'2'	0	UIPGTAPE	"2" .. Tape
25	(19)	X'3'	0	UIPGCLUS	"3" .. Cluster Controller
25	(19)	X'4'	0	UIPGCOMM	"4" .. Communications
25	(19)	X'5'	0	UIPGMICR	"5" .. MICR/OCR
25	(19)	X'6'	0	UIPGGRPH	"6" .. Graphics
25	(19)	X'7'	0	UIPGPRT	"7" .. Printer
25	(19)	X'8'	0	UIPGCARD	"8" .. Card reader/punch
25	(19)	X'9'	0	UIPGDISP	"9" .. Display
25	(19)	X'A'	0	UIPGTPRT	"10" .. Terminal printer
25	(19)	X'FF'	0	UIPGOTHR	"255" .. Other
26	(1A)	BITSTRING	2		Reserved
28	(1C)	ADDRESS	4	UIPGUSER	UIM user value for device
32	(20)	CHARACTER	1	UIPGDFLT (0)	Default values for replication information
32	(20)	ADDRESS	2	UIPGDDRF	Default replication factor
34	(22)	ADDRESS	2	UIPGDLRF	Minimum replication factor
36	(24)	ADDRESS	2	UIPGDHRF	Maximum replication factor (if binary zero, the value enforced by the dialog, is taken)
38	(26)	ADDRESS	2	UIPGDNC	Count of device numbers to generate for each device if multiple-exposure device
40	(28)	ADDRESS	2	UIPGDNI	Interval between device numbers when multiple device numbers are generated for the same device (valid only when the value of UIPDNC is greater than one)
42	(2A)	BITSTRING	1	UIPGRFLG	Replication factor flags
		1...		UIPGFMEX	"X'80'" .. device is multi-exposure device
		.1..		UIPGFGRP	"X'40'" .. device builds a group of devices
		..1.		UIPGFPAV	"X'20'" .. If set, indicates that device is a PAV device
		...1		UIPGFBAS	"X'10'" .. If set, indicates that device is a PAV-base device. UIPGFPAV is also set.
		.... 1...		UIPGFALI	"X'08'" .. If set, indicates that device is a PAV-alias device. UIPGFPAV is also set.
43	(2B)	BITSTRING	1	UIPGPFLG	Processing flag
		1...		UIPGFIGN	"X'80'" .. device to be ignored by NOCHECK
44	(2C)	ADDRESS	1	UIPGDFLG	Default Flag byte
		1...		UIPGFTOU	"X'80'" .. TIMEOUT=NO is default
		.1..		UIPGFSTA	"X'40'" .. STADET=NO is default
		1		UIPGFDMD	"X'01'" .. Device model is default
45	(2D)	ADDRESS	1	UIPGFLG2	Flag byte 2
		1		UIPGFSCH	"X'01'" .. Device supports multiple subchannel sets.
46	(2E)	BITSTRING	2		Reserved
48	(30)	CHARACTER	8	UIPGATT (0)	Attachment information
48	(30)	ADDRESS	2	UIPGMNCU	maximum number of CUs a device can be attached to (if binary zero, the value enforced by the dialog, is taken)
50	(32)	BITSTRING	6		Reserved for attachment info
56	(38)	BITSTRING	1	UIPGPR	Processing Flags
		1...		UIPGFINT	"X'80'" .. Internal UIT to be built
57	(39)	BITSTRING	15		Reserved
57	(39)	X'40'	0	UIPGLN1	"*-UIPGENS" Length of general section

Comment

MVS Section

End of Comment

72	(48)	SIGNED	4	UIPMVSS (0)	UIP MVS Section

Comment

Header of MVS Section

End of Comment

72	(48)	ADDRESS	2	UIPMLEN	Length of MVS section

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
74	(4A)	ADDRESS	1	UIPMTYP	Type of section
		....		UIPMVS	"X'00'" .. 0 for MVS section
75	(4B)	BITSTRING	1		Reserved
		Comment			
		Body of MVS Section			
		End of Comment			
76	(4C)	CHARACTER	8	UIPMGNNM	Generic name of device
84	(54)	SIGNED	4	UIPMSIMC	Count of similar device list entries
88	(58)	ADDRESS	4	UIPMSIMP	Pointer to similar device list entries
92	(5C)	BITSTRING	8	UIPMRPRM	Map of parameters that are required (maps the parameters in the same way as they are mapped in the IODEVICE internal text record field IODVPRMS)
100	(64)	BITSTRING	8	UIPMOPRM	Map of parameters that are optional for this device (maps the parameters in the same way as they are mapped in the internal text record field IODVPRMS)
108	(6C)	BITSTRING	8	UIPMSFEA	Map of features that are supported for this unit and model (bits map into features listed in UDTFEATL in associated UDT - valid only if IODVFFEA flag within UIPOPARM is set)
116	(74)	BITSTRING	8	UIPMDFEA	Map of features that are default for this unit and model (bits map into features listed in UDTFEATL in associated UDT - valid only if IODVFFEA flag within UIPOPARM is set)
124	(7C)	BITSTRING	8	UIPMCFEA	Map of features that are recognized for migration compatibility (bits map into features listed in UDTCOMPL in associated UDT - valid only if IODVFFEA flag within UIPOPARM is set)
132	(84)	BITSTRING	8		Reserved
140	(8C)	ADDRESS	1	UIPMDFLG	Default Flag byte
		1...		UIPMFOFF	"X'80'" .. OFFLINE=YES is default
		.1..		UIPMFGEN	"X'40'" .. UIM determines which generic name is taken after feature check (only for tapes)
		..1.		UIPMFDMD	"X'20'" .. MODEL= is default (value is taken from MODL)
141	(8D)	ADDRESS	1	UIPMFLG2	Flag byte 2
		1...		UIPMFDYC	"X'80'" .. device supports dynamic configuration
		.1..		UIPMFDVN	"X'40'" .. device supports device number > 4095
		..1.		UIPMFDSE	"X'20'" .. device allows statistics table entry to reside in 31 bit storage
		...1		UIPMFDCX	"X'10'" .. device allows device class extension to reside in 31 bit storage
		.... 1...		UIPMFUCB	"X'08'" .. device allows UCB related control blocks to reside in 31 bit storage
142	(8E)	BITSTRING	2		Reserved
144	(90)	CHARACTER	4	UIPMATT (0)	Attachment information
144	(90)	BITSTRING	1	UIPMNIPC	NIPCON device type code
145	(91)	BITSTRING	3		Reserved
148	(94)	SIGNED	4	UIPMDLFC	Count of parameter default list entries
152	(98)	ADDRESS	4	UIPMDLFP	Pointer to parameter default list entries
156	(9C)	SIGNED	4	UIPMSELC	Count of parameter selection list entries
160	(A0)	ADDRESS	4	UIPMSELP	Pointer to parameter selection list entries
164	(A4)	BITSTRING	36		Reserved
200	(C8)	CHARACTER	8	UIPMDDTN	Entry point name of the Device Descriptor Table (DDT)
208	(D0)	ADDRESS	4	UIPMMLTP	Address of list of MLT names
212	(D4)	SIGNED	4	UIPMMLTC (0)	Count of MLT names in list
212	(D4)	SIGNED	4	UIPMMLTL	Count of MLT names in list
212	(D4)	X'90'	0	UIPMLN1	"*-UIPMVSS" Length of MVS section
212	(D4)	X'D8'	0	UIPGELN1	"*-UIP" Length of whole UIP

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				The following array maps the similar device list. If a similar devices exist, you must code SIM=n on the macro statement where 'n' is the number of devices in the list.	
				End of Comment	
216	(D8)	SIGNED	4	UIPSIMIL (0)	Similar device list entries
216	(D8)	BITSTRING	16	(0)	Device type/model and reserved
216	(D8)	X'0'	0	UIPSIMLN	"*-UIPSIMIL" Length of similar device list
				Comment	
				The following array defines the parameter defaults. If defaults exist for parameters, you must code DFLT=n on the macro statement where 'n' is the number of parameters for which defaults exist.	
				End of Comment	
216	(D8)	SIGNED	4	UIPPDFLT (0)	Default parameter list entries
216	(D8)	BITSTRING	8	(0)	
216	(D8)	X'0'	0	UIPPDFLN	"*-UIPPDFLT" Length of parameter defaults
				Comment	
				The following array defines the parameter selection lists. If one or more selection lists exist you must code SEL=n on the macro statement, where 'n' is the number of parameters for which selection(s) are available.	
				End of Comment	
216	(D8)	SIGNED	4	UIPPSEL (0)	Parameter selection list entries
216	(D8)	BITSTRING	12	(0)	
216	(D8)	X'0'	0	UIPPSELN	"*-UIPPSEL" Length of parameter selection list entries
				Comment	
				The following maps the list of MLT names. If n greater than one MLT lists are required, you must code MLTS=n on the macro statement.	
				End of Comment	
216	(D8)	CHARACTER	12	UIPMLTNL	List of MLT names
216	(D8)	X'C'	0	UIPMLTTL	"*-UIPMLTNL" .. Total length of MLT array.
216	(D8)	CHARACTER	8	UIPMLTNM	Module name of the Module Lists Table (MLT)
224	(E0)	BITSTRING	1	UIPMLTFL	Flags
		1...		UIPMLTOP	"X'80'" .. MLT contains module names associated with a product that provides optional support for this device
225	(E1)	CHARACTER	3		Reserved, must be zero
225	(E1)	X'C'	0	UIPMLTLN	"*-UIPMLTNM" .. Length of one entry
				Comment	
				The following constant is used to place an identifier into the UIP.	
				End of Comment	
228	(E4)	CHARACTER	4	UIPIDNM	Constant for storage descriptor

CBDZUIP Cross Reference

Name	Hex Offset	Hex Value
UIP	0	
UIPGATT	30	
UIPGCARD	19	8
UIPGCLUS	19	3
UIPGCOMM	19	4
UIPGDASD	19	1
UIPGDDRF	20	
UIPGDESI	18	
UIPGDFLG	2C	
UIPGDFLT	20	
UIPGDHRF	24	
UIPGDISP	19	9
UIPGDLRF	22	
UIPGDNC	26	
UIPGDNI	28	
UIPGELEN	6	
UIPGELN1	D4	D8
UIPGEN	A	FF
UIPGENS	8	
UIPGFALI	2A	8
UIPGFBAS	2A	10
UIPGFDMD	2C	1
UIPGFGRP	2A	40
UIPGFIGN	2B	80
UIPGFINT	38	80
UIPGFLG2	2D	
UIPGFMEX	2A	80
UIPGFPAV	2A	20
UIPGFSCH	2D	1
UIPGFSTA	2C	40
UIPGFTOU	2C	80
UIPGGRP	19	
UIPGGRPH	19	6
UIPGHDS	0	
UIPGID	0	E4C9D740
UIPGLEN	8	
UIPGLN1	39	40
UIPGMICR	19	5
UIPGMNCU	30	
UIPGMODL	14	0
UIPGOTHR	19	FF
UIPGPFLG	2B	0
UIPGPR	38	0
UIPGPRT	19	7
UIPGRFLG	2A	0
UIPGTAPE	19	2
UIPGTPRT	19	A
UIPGTYP	A	
UIPGUNIT	C	40404040
UIPGUNMD	C	
UIPGUSER	1C	
UIPGVER	4	
UIPGVER1	4	1
UIPIDNM	E4	E4C9D740
UIPMATT	90	
UIPMCFEA	7C	0
UIPMDDTN	C8	
UIPMDFEA	74	0
UIPMDFLG	8C	
UIPMDLFC	94	0
UIPMDLFP	98	
UIPMFDCX	8D	10
UIPMFDMD	8C	20
UIPMFDSE	8D	20
UIPMFDVN	8D	40
UIPMFDYC	8D	80
UIPMFGEN	8C	40
UIPMFLG2	8D	
UIPMFOFF	8C	80
UIPMFUCB	8D	8
UIPMGNNM	4C	40404040
UIPMLEN	48	
UIPMLN1	D4	90
UIPMLTFL	E0	
UIPMLTLN	E1	C
UIPMLTNL	D8	
UIPMLTNM	D8	
UIPMLTOP	E0	80
UIPMLTTL	D8	C
UIPMMLTC	D4	
UIPMMLTL	D4	
UIPMMLTP	D0	
UIPMNIPC	90	0
UIPMOPRM	64	0
UIPMRPRM	5C	0
UIPMSELC	9C	0
UIPMSELP	A0	
UIPMSFEA	6C	0
UIPMSIMC	54	0
UIPMSIMP	58	
UIPMTYP	4A	
UIPMVS	4A	0
UIPMVSS	48	
UIPPDFLN	D8	0
UIPPDFLT	D8	
UIPPSEL	D8	
UIPPSELN	D8	0
UIPSIMIL	D8	
UIPSIMLN	D8	0

CBLS Heading Information

Common Name: Supervisor Control Block Length Table
Macro ID: IHACBLS
DSECT Name: CBLS
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: CBLS
Offset: 0
Length: 4
Storage Attributes: Residency: Nucleus Resident (Read only Section)
Size: OFFSET OF CBLEND MINUS THE OFFSET OF CBLS
Created by: IEAVCBLS
Pointed to by: SVTCBLS
ECVTCBLS
Serialization: None.
Function: Contains the lengths and level numbers of various control blocks.

CBLS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	144	CBLS	
0	(0)	CHARACTER	4	CBLSCBLS	CBLS ACRONYM
4	(4)	CHARACTER	2	CBLR004	RESERVED
6	(6)	SIGNED	2	CBLCBLSL	Length of the CBLS
8	(8)	SIGNED	2	CBLASCB	LENGTH OF THE ASCB
10	(A)	SIGNED	2	CBLASCBL	ASCB LEVEL NUMBER
12	(C)	SIGNED	2	CBLTCB	TOTAL LENGTH OF THE TCB (PREFIX + MAIN + EXTENSION)
14	(E)	SIGNED	2	CBLTCBP	LENGTH OF THE TCB PREFIX
16	(10)	SIGNED	2	CBLTCBM	LENGTH OF MAIN SECTION OF THE TCB
18	(12)	SIGNED	2	CBLTCBL	TCB LEVEL NUMBER
20	(14)	SIGNED	2	CBLIHSA	LENGTH OF THE IHSA
22	(16)	SIGNED	2	CBLIHSAL	IHSA LEVEL NUMBER
24	(18)	SIGNED	2	CBLWPRB	LENGTH OF THE WPRB
26	(1A)	SIGNED	2	CBLWPRBL	WPRB LEVEL NUMBER
28	(1C)	SIGNED	2	CBLXSB	LENGTH OF THE XSB
30	(1E)	SIGNED	2	CBLXSBL	XSB LEVEL NUMBER
32	(20)	SIGNED	2	CBLSTKH	LENGTH OF THE STACK HEADER
34	(22)	SIGNED	2	CBLSTKHL	STKH LEVEL NUMBER
36	(24)	SIGNED	2	CBLASXB	LENGTH OF THE ASXB
38	(26)	SIGNED	2	CBLASXBL	ASXB LEVEL NUMBER
40	(28)	SIGNED	2	CBLSTCB	LENGTH OF THE STCB
42	(2A)	SIGNED	2	CBLSTCBL	STCB LEVEL NUMBER
44	(2C)	SIGNED	2	CBLVSSA	LENGTH OF STATIC PORTION OF VSSA
46	(2E)	SIGNED	2	CBLVSSAL	VSSA LEVEL NUMBER
48	(30)	SIGNED	2	CBLASSB	LENGTH OF THE ASSB
50	(32)	SIGNED	2	CBLASSBL	ASSB LEVEL NUMBER
52	(34)	SIGNED	2	CBLNSSA	LENGTH OF THE NSSA
54	(36)	SIGNED	2	CBLNSSAL	NSSA LEVEL NUMBER
56	(38)	SIGNED	2	CBLSXSB	LENGTH OF THE SXSB
58	(3A)	SIGNED	2	CBLSXSBL	SXSB LEVEL NUMBER
60	(3C)	SIGNED	2	CBLWEB	LENGTH OF THE WEB
62	(3E)	SIGNED	2	CBLWEBL	WEB LEVEL NUMBER
64	(40)	SIGNED	2	CBLWEE	LENGTH OF THE WEE
66	(42)	SIGNED	2	CBLWEEL	WEE LEVEL NUMBER
68	(44)	SIGNED	2	CBLNSQA	LENGTH OF THE NSQA
70	(46)	SIGNED	2	CBLNSQAL	NSQA LEVEL NUMBER
72	(48)	CHARACTER	4	CBLR048	RESERVED

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CBLS Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
76	(4C)	CHARACTER	2	CBLR04C	RESERVED
78	(4E)	SIGNED	2	CBLPSAL	Length of PSA being used (this is 4K for non-ESAME, 8K for ESAME)
80	(50)	SIGNED	2	CBLSLEN	Length(SDWA)
82	(52)	SIGNED	2	CBLSPTRS	Length(SDWAPTRS)
84	(54)	SIGNED	2	CBLSRC1	Length(SDWARC1)
86	(56)	SIGNED	2	CBLSRC2	Length(SDWARC2)
88	(58)	SIGNED	2	CBLSRC3	Length(SDWARC3)
90	(5A)	SIGNED	2	CBLSRC4	Length(SDWARC4)
92	(5C)	SIGNED	2	CBLSNRC1	Length(SDWANRC1)
94	(5E)	SIGNED	2	CBLSNRC2	Length(SDWANRC2)
96	(60)	SIGNED	2	CBLSNRC3	Length(SDWANRC3)
98	(62)	SIGNED	2	CBLSRLNS	Length(all recordable)
100	(64)	SIGNED	2	CBLSNLNS	Length(all non-recordable)
102	(66)	SIGNED	2	CBLSMLNP	SDWA with only recordable but no "PTRS"
104	(68)	SIGNED	2	CBLSMLEN	SDWA with only recordable
106	(6A)	SIGNED	2	CBLSTLEN	SDWA with all extensions
108	(6C)	SIGNED	2	CBLSOLEN	SDWA with all extensions except ESAME (this is for RTM2 below-16M SDWA)
110	(6E)	SIGNED	2	CBLFWALN	FRR workarea length
112	(70)	SIGNED	2	CBLLCCAL	LCCA
114	(72)	SIGNED	2	CBLPCCAL	PCCA
116	(74)	SIGNED	2	CBLALEL	ALE
118	(76)	SIGNED	2	CBLDUCTL	DUCT
120	(78)	SIGNED	2	CBLLCCXL	LCCX
122	(7A)	SIGNED	2	CBLPCCTL	PCCAVT
124	(7C)	SIGNED	2	CBLRTMC	RTMC within IHART1W
126	(7E)	SIGNED	2	CBLSCWA	SCWA
128	(80)	SIGNED	2	CBLSCWA1	SCWA1
130	(82)	SIGNED	2	CBLSCWA2	SCWA2
132	(84)	SIGNED	2	CBLLAA	Length of LAA
134	(86)	SIGNED	2	CBLSTLAA	Length of LAA+STCB
136	(88)	SIGNED	2	CBLSCWA3	SCWA3
138	(8A)	CHARACTER	6	CBLR08A	Unused
144	(90)	CHARACTER	0	CBLEND	END OF CBLS

CBLS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CBLALEL	74		CBLR004	4	
CBLASCB	8		CBLR04C	4C	
CBLASCBL	A		CBLR048	48	
CBLASSB	30		CBLR08A	8A	
CBLASSBL	32		CBLS	0	
CBLASXB	24		CBLSCBLS	0	
CBLASXBL	26		CBLSCWA	7E	
CBLCBLSL	6		CBLSCWA1	80	
CBLDUCTL	76		CBLSCWA2	82	
CBLEND	90		CBLSCWA3	88	
CBLFWALN	6E		CBLSLEN	50	
CBLIHSA	14		CBLSMLEN	68	
CBLIHSAL	16		CBLSMLNP	66	
CBLLAA	84		CBLSNLNS	64	
CBLLCCAL	70		CBLSNRC1	5C	
CBLLCCXL	78		CBLSNRC2	5E	
CBLNSQA	44		CBLSNRC3	60	
CBLNSQAL	46		CBLSOLEN	6C	
CBLNSSA	34		CBLSPTRS	52	
CBLNSSAL	36		CBLSRC1	54	
CBLPCCAL	72		CBLSRC2	56	
CBLPCCTL	7A		CBLSRC3	58	
CBLPSAL	4E		CBLSRC4	5A	
CBLRTMC	7C		CBLSRLNS	62	

Name	Hex Offset	Hex Value
CBLSTCB	28	
CBLSTCBL	2A	
CBLSTKH	20	
CBLSTKHL	22	
CBLSTLAA	86	
CBLSTLEN	6A	
CBLSXSB	38	
CBLSXSBL	3A	
CBLTCB	C	
CBLTCBL	12	
CBLTCBM	10	
CBLTCBP	E	
CBLVSSA	2C	
CBLVSSAL	2E	
CBLWEB	3C	
CBLWEBL	3E	
CBLWEE	40	
CBLWEEL	42	
CBLWPRB	18	
CBLWPRBL	1A	
CBLXSB	1C	
CBLXSBL	1E	

CDE Programming Interface information

Programming Interface information

CDE

End of Programming Interface information

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CDE Heading Information

Common Name: Contents Directory Entry
Macro ID: IHACDE
DSECT Name: CDE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: none
Storage Attributes: Subpool: 255
Key: 0
Size: 32 bytes
Created by: CSVGETMD
Pointed to by: RBCDE1
Serialization: Local Lock.
Function: The CDE contains information about the location, size and other attributes of a particular module currently in use.
The Link Pack Directory Entry (LPDE) and the Contents Directory Entry (CDE) map identically except for the last eight bytes of the LPDE.
The last eight bytes of a MAJOR LPDE contain extent information. The corresponding area in a MINOR LPDE contains the MAJOR NAME. The CDE lacks the last eight bytes.
A MAJOR CDE points to an EXTENT LIST (XTLST). A MINOR CDE points to the CDE for the MAJOR NAME.
Fields which are only meaningful in a CDE are set to zero in an LPDE.
The CDELPDE bit can be used to differentiate between a CDE and an LPDE.

CDE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CDENTRY	
0	(0)	SIGNED	4	CDCHAIN	- Address of next CDE in queue (either JPAQ or LPAQ)
4	(4)	SIGNED	4	CDRRBP	- If the module is REENTERABLE, this field contains the address of the last RB that controlled the module. If the module is SERIALLY REUSABLE, this field contains the address of the RB at the top of the WAITING (RBPGMQ) QUEUE. If the module was requested ONLY through LOAD macro instructions, CONTAINS ZERO.
8	(8)	CHARACTER	8	CDNAME	- 8-byte name
16	(10)	SIGNED	4	CDENTPT	- Module's relocated Entry Point address
		1...		CDEMODE	"X'80'" Routine runs in 31 bit mode
16	(10)	BITSTRING	3		Bytes 0-2 of CDENTPT
19	(13)	BITSTRING	1	CDENTPT3	Byte 3 of CDENTPT
		1		CDEMOD64	"X'01'" Routine runs in 64 bit mode
20	(14)	SIGNED	4	CDXLMJP	- Extent list address or Major CDE address If this CDE is a MINOR
24	(18)	SIGNED	2	CDUSE	- Value contains the total module use count
26	(1A)	BITSTRING	1	CDATTRB	- Flag byte
		1...		CDEOM	"X'80'" - ON=Delete module at memory termination
		.1..		CDIDENTY	"X'40'" - ON = CDE built by IDENTIFY @02C
		..1.		CDRACDTY	"X'20'" - ON = MODULE WAS LOADED BY 'DIRTY' TASK
		...1		CDCDEX	"X'10'" - ON = CDE extension exists
		.... 1...		CDELPDE	"X'08'" - OFF=CDE, ON=LPDE (Used to distinguish a CDE from an LPDE)
		.... .1..		CDGLOBAL	"X'04'" - ON = Module LOADED to GLOBAL

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... ..1.		CDCONTMN	"X'02'" - ON = Module is contaminated. A module is considered contaminated if it is from an APF authorized library, but was fetched into subpool 251 (it is not reentrant) by a NON authorized caller. @ZA84179
		1		CDRACF	"X'01'" - Used by external security manager. (For RACF: The user has EXECUTE authority rather than READ authority to the module.) @YA22541
27	(1B)	BITSTRING	1	CDSP	Module SUBPOOL ID
28	(1C)	BITSTRING	1	CDATTR	- Attribute flags
		1...		CDNIP	"X'80'" - Module loaded by NIP or FLPA/MLPA or dynamic LPA
		.1..		CDNIC	"X'40'" - Module is in process of being loaded
		..1.		CDREN	"X'20'" - Module is REENTERABLE
		...1		CDSER	"X'10'" - Module is SERIALLY REUSABLE
		.... 1...		CDNFN	"X'08'" - Module is NOT REUSABLE (NON-FUNCTIONAL)
		.... .1..		CDMIN	"X'04'" - This is a MINOR CDE
		.... ..1.		CDJPA	"X'02'" - Module is in JOB PACK AREA
		1		CDNLR	"X'01'" - Module is NOT LOADABLE-ONLY
29	(1D)	BITSTRING	1	CDATTR2	- Second attribute field
		1...		CDSPZ	"X'80'" - Module is in SUBPOOL ZERO
		.1..		CDREL	"X'40'" - Module is INACTIVE and MAY BE RELEASED
		..1.		CDXLE	"X'20'" - EXTENT LIST has been built for module. Main storage occupied by module is described therein.
		...1		CDRLC	"X'10'" - This CDE contains a MINOR ENTRY POINT ADDRESS that has been relocated by the PROGRAM FETCH routine.
		.... 1...		CDEANYM	"X'08'" Routine runs in ANY mode
		.... .1..		CDOLY	"X'04'" - Module is in OVERLAY format A27026
		.... ..1.		CDSYSLIB	"X'02'" - AUTHORIZED LIBRARY module
		1		CDAUTH	"X'01'" - PROGRAM AUTHORIZATION FLAG ICB360
30	(1E)	BITSTRING	1	CDATTR3	- 3rd attribute field
		1...		CDPATHN	"X'80'" - ON = The module represented by this CDE has an associated OpenMVS path name. The CDNAME field contains an EBCDIC value that contents supervision hashes to locate the CDE extension which contains the path name.
		.1..		CDPML	"X'40'" - OFF = PML was not complete when module was loaded ON = PML was up when the module was loaded Used by the CSV delete process to determine which DFP interface CSV should use to delete the module(s).
		..1.		CDESPLIT	"X'20'" - Split RMODE program object
		...1		CDSYSHLB	"X'10'" - HFS System Shared Library Module
		.... 1...		CDERTLS	"X'08'" - RTLS
		.... .1..		CDEDYLPA	"X'04'" - Dynamic LPA. Only on for CDE on active LPA queue
		.... ..1.		CDEPROTP	"X'02'" - Only whole pages are page-protected, as opposed to the entire module. Or module added by CSVDYLPA BYADDR=YES so page protection state not known. Only on for CDE on active LPA queue
31	(1F)	BITSTRING	1	CDATTR4	- RESERVED

CDE Cross Reference

Name	Hex Offset	Hex Value
CDATTR	1C	
CDATTRB	1A	
CDATTR2	1D	
CDATTR3	1E	
CDATTR4	1F	
CDAUTH	1D	1
CDCDEX	1A	10
CDCHAIN	0	
CDCONTMN	1A	2
CDEANYM	1D	8
CDEDYLPA	1E	4
CDELPDE	1A	8
CDEMODE	10	80
CDEMOD64	13	1
CDENTPT	10	
CDENTPT3	13	
CDENTRY	0	
CDEOM	1A	80
CDEPROTP	1E	2
CDERTLS	1E	8
CDESPLIT	1E	20
CDGLOBAL	1A	4
CDIDENTY	1A	40
CDJPA	1C	2
CDMIN	1C	4
CDNAME	8	
CDNFN	1C	8
CDNIC	1C	40
CDNIP	1C	80
CDNLR	1C	1
CDOLY	1D	4
CDPATHN	1E	80
CDPML	1E	40
CDRACDTY	1A	20
CDRACF	1A	1
CDREL	1D	40
CDREN	1C	20
CDRLC	1D	10
CDRRBP	4	
CDSER	1C	10
CDSP	1B	
CDSPZ	1D	80
CDSYSHLB	1E	10
CDSYSLIB	1D	2
CDUSE	18	
CDXLE	1D	20
CDXLMJP	14	

CESRB Heading Information

Common Name: CONFIGURE EXTENDED STORAGE REQUEST BLOCK
Macro ID: IHACESRB
DSECT Name: CESRB
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Virtual Storage: YES
Subpool: USER SPECIFIED.
Key: USER SPECIFIED.
Residency: USER SPECIFIED.
Size: 22 BYTES
Created by: IEEDMSTR, IEEMPDEV, IEEVSTGE
Pointed to by: USER SPECIFIED.
Serialization: USER SPECIFIED.
Function: THIS MACRO PROVIDES A MAPPING OF THE CONFIGURE EXTENDED STORAGE REQUEST BLOCK, AND OF THE STATUS BYTE POINTED TO BY A FIELD IN THE REQUEST BLOCK.

CESRB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	22	CESRB	CONFIGURE EXTENDED STORAGE REQUEST BLOCK
0	(0)	UNSIGNED	4	CESSTART	STARTING EXTENDED STORAGE BLOCK NUMBER TO BE PROCESSED
4	(4)	ADDRESS	4	CESECBP	POINTER TO ECB FOR RSM TO POST WHEN A CONFIGURE OFFLINE IS COMPLETE
8	(8)	ADDRESS	4	CESFLAGP	POINTER TO NON-PAGEABLE STATUS BYTES' STORAGE
12	(C)	UNSIGNED	4	CESNUMB	THE AMOUNT OF EXTENDED STORAGE TO BE PROCESSED (EXPRESSED IN UNITS OF 4K)
16	(10)	ADDRESS	4	CESUSEP	POINTER TO THE EXTENDED STORAGE USEABILITY MAP
20	(14)	SIGNED	2	CESFUNC	FUNCTION INDICATOR - 1 = ONLINE, 2 = OFFLINE, 3 = STATUS, 4 = CANCEL

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	8	CESSTARR	STATUS ARRAY ENTRY
0	(0)	CHARACTER	4	CESSTWD	STATUS WORD
0	(0)	BITSTRING	1	CESFLAGS	STATUS ARRAY BYTE
		1...		CESOFLN	WHEN=1, ALL STORAGE IN THIS EXTENDED STORAGE INCREMENT IS OFFLINE. WHEN=0, NOT ALL STORAGE IN THIS EXTENDED STORAGE INCREMENT IS OFFLINE.
		.1..		CESOFPD	WHEN=1, SOME EXTENDED STORAGE IN THIS EXTENDED STORAGE INCREMENT HAVE AN OFFLINE REQUEST PENDING FOR THEM. WHEN=0, NO EXTENDED STORAGE IN THIS EXTENDED STORAGE INCREMENT HAVE AN OFFLINE REQUEST PENDING FOR THEM.
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
1	(1)	CHARACTER	3	*	RESERVED
4	(4)	SIGNED	4	CESBADCT	COUNT OF THE BAD E-FRAMES IN THIS INCREMENT

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CESRB Cross Reference

Name	Hex Offset	Hex Value
CESBADCT	4	
CESECBP	4	
CESFLAGP	8	
CESFLAGS	0	
CESFUNC	14	
CESNUMB	C	
CESOFLN	0	80
CESOFPD	0	40
CESRB	0	
CESSTARR	0	
CESSTART	0	
CESSTWD	0	
CESUSEP	10	

CIB Programming Interface information

Programming Interface information

CIB

End of Programming Interface information

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CIB Heading Information

Common Name: COMMAND INPUT BUFFER MAPPING MACRO
Macro ID: IEZCIB
DSECT Name: CIBNAME, CIBX
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: NONE.
Storage Attributes: Main Storage: YES
Virtual Storage: NO
Auxiliary Storage: NO
Subpool: 245
Key: 0
Data Space: NO
Residency: BELOW 16M
Size: VARIABLE LENGTH BUT AT LEAST 16 BYTES
CIBNAME -- X'0018' bytes
CIBX -- X'0030' bytes
Created by: IEEVSTAR, IEE0703D, IEEVMNT1
Pointed to by: COMCIBPT FIELD OF THE COM DATA AREA
CHCIBP FIELD OF THE CSCB DATA AREA
Serialization: ENQ ON MAJOR SYSIEFSD MINOR Q10
Function: BUFFER FOR START, STOP, MODIFY AND MOUNT COMMANDS FROM CONSOLE OR TSO TERMINALS.

CIB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	(0)	- CIBPTR
0	(0)	ADDRESS	4	CIBNEXT	- ADDRESS OF NEXT CIB IN QUEUE (ZERO FOR LAST)
4	(4)	CHARACTER	1	CIBVERB	- COMMAND VERB CODE
		.... .1..		CIBSTART	"X'04'" - COMMAND CODE FOR START
		.... 1...		CIBSTCOM	"X'08'" - COMMAND CODE FOR STC COMMUNICATION
		.1.. .1..		CIBMODFY	"X'44'" - COMMAND CODE FOR MODIFY
		.1..		CIBSTOP	"X'40'" - COMMAND CODE FOR STOP
		.... 11..		CIBMOUNT	"X'0C'" - COMMAND CODE FOR MOUNT
5	(5)	SIGNED	1	CIBLEN	- LENGTH IN DOUBLEWORDS OF CIB INCLUDING CIBDATA
6	(6)	SIGNED	2	CIBXOFF	- OFFSET TO CIB EXTENSION
8	(8)	BITSTRING	2		- RESERVED FOR CSCB COMPATIBILITY
10	(A)	SIGNED	2	CIBASID (0)	- ADDRESS SPACE ID (OS/VS2) MDC001
10	(A)	CHARACTER	2	CIBTJID	- TSO TERMINAL JOB IDENTIFIER (OS/VS1) MDC001
12	(C)	CHARACTER	1	CIBRSV01	Reserved - was CIBCONID
13	(D)	ADDRESS	1	CIBRSV1	- VERSION LEVEL
13	(D)	X'1'	0	CIBS313	"1" VERSION LEVEL FOR MVS SP3.1.3
13	(D)	X'2'	0	CIBS410	"2" VERSION LEVEL FOR MVS SP41.0
13	(D)	X'3'	0	CIB15497	"3" VERSION LEVEL WITH OW15497 INSTALLED
13	(D)	X'3'	0	CIBVRSN	"CIB15497" VERSION LEVEL
14	(E)	SIGNED	2	CIBDATLN	- LENGTH IN BYTES OF DATA IN CIBDATA
16	(10)	CHARACTER	8	CIBDATA	- DATA FROM COMMAND OPERAND

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CIBX	- CIB EXTENSION
0	(0)	SIGNED	4	CIBXUTOK	- POINTER TO UTOKEN
4	(4)	CHARACTER	2	CIBXAUTH (0)	- COMMAND AUTHORITY CODE
4	(4)	BITSTRING	1	CIBXAUTA	BYTE ONE
		1...		CIBXAUT1	"X'80'" COMMAND HAS SYS AUTHORITY

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.1..		CIBXAUT2	"X'40'" COMMAND HAS I/O AUTHORITY
		..1.		CIBXAUT3	"X'20'" COMMAND HAS CONS AUTHORITY
		Comment			
		X'1F' RESERVED			
		End of Comment			
5	(5)	BITSTRING	1	CIBXAUTB	BYTE TWO, RESERVED
6	(6)	CHARACTER	1	CIBXDISP	- AUTHORITY OF COMMAND
		1...		CIBXDISA	"X'80'" COMMAND HAS MASTER AUTHORITY (IT IS SUGGESTED THAT CIBXDISM BE USED INSTEAD)
		.1..		CIBXDISM	"X'40'" COMMAND HAS MASTER AUTHORITY
		..1.		CIBXDISC	"X'20'" COMMAND ISSUED FROM AN MCS CONSOLE
		...1		CIBXDISR	"X'10'" COMMAND ISSUED BEFORE RACF ACTIVE
		.... 1...		CIBXDISE	"X'08'" COMMAND WAS ISSUED BY ARM
		Comment			
		X'07' RESERVED			
		End of Comment			
7	(7)	BITSTRING	1	CIBXFLG	Flag byte
		1...		CIBXTJY	"X'80'" CIBASID contains a tjid
8	(8)	CHARACTER	8	CIBXCNNM	- CONSOLE NAME
16	(10)	CHARACTER	8	CIBXCART	- COMMAND & RESPONSE TOKEN
24	(18)	SIGNED	4	CIBXCNID	- CONSOLE ID
28	(1C)	SIGNED	4	CIBXPTRC	RESERVED FOR IBM USE
32	(20)	SIGNED	4	CIBXOCID	ORIGINATING CONSOLE ID (USED FOR AUTHORITY CHECKING)
36	(24)	CHARACTER	12	CIBXRSVD	RESERVED
36	(24)	X'30'	0	CIBXEND	"*" - END OF THE CIB EXTENSION
36	(24)	X'30'	0	CIBXLEN	"CIBXEND-CIBX" LENGTH OF THE CIB EXTENSION

CIB Cross Reference

Name	Hex Offset	Hex Value
CIBASID	A	
CIBDATA	10	
CIBDATLN	E	
CIBLEN	5	
CIBMODFY	4	44
CIBMOUNT	4	C
CIBNEXT	0	
CIBRSV01	C	
CIBRSV1	D	
CIBSTART	4	4
CIBSTCOM	4	8
CIBSTOP	4	40
CIBS313	D	1
CIBS410	D	2
CIBTJID	A	
CIBVERB	4	
CIBVRSN	D	3
CIBX	0	
CIBXAUTA	4	
CIBXAUTB	5	
CIBXAUTH	4	
CIBXAUT1	4	80
CIBXAUT2	4	40
CIBXAUT3	4	20
CIBXCART	10	
CIBXCNID	18	

Name	Hex Offset	Hex Value
CIBXCNNM	8	
CIBXDISA	6	80
CIBXDISC	6	20
CIBXDISE	6	8
CIBXDISM	6	40
CIBXDISP	6	
CIBXDISR	6	10
CIBXEND	24	30
CIBXFLG	7	
CIBXLEN	24	30
CIBXOCID	20	
CIBXOFF	6	
CIBXPTRC	1C	
CIBXRSVD	24	
CIBXTJY	7	80
CIBXUTOK	0	
CIB15497	D	3

CISP Heading Information

Common Name: Console Inactive Signal Parameter List
Macro ID: IEEZB832
DSECT Name: CISP
Owning Component: System command - SVC 34 (SC1B8)
Eye-Catcher ID: CISP
Offset: 0
Length: 4
Storage Attributes: Residency: Caller's storage
Size: 40 bytes
Created by: IEAVG712 - MCSOPER Macro Processor
Pointed to by: IEAVG712 passes the address of this parameter list as part of the overall parameter list to the ENF service.
Serialization: None
Function: This is passed as the user's parameter list by MCSOPER processing to ENF when a signal is issued to say the extended MCS operator has become inactive.

CISP Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	40	CISP	Console Inactive Signal Parameter List
0	(0)	CHARACTER	4	CISPACRN	Acronym - 'CISP'
4	(4)	UNSIGNED	1	CISPVRSN	Version Level
5	(5)	CHARACTER	3	CISPRSV1	Reserved
8	(8)	CHARACTER	8	CISPSYSN	System Name
16	(10)	CHARACTER	8	CISPCNNM	Console Name
24	(18)	UNSIGNED	4	CISPCNID	4-byte Console ID
28	(1C)	CHARACTER	12	CISPRSV2	Reserved

CISP Constants

Len	Type	Value		Name	Description
4	CHARACTER	CISP		CISPACRO	Acronym - 'CISP'
1	DECIMAL		1	CISPSP41	Version Level - HBB4410
1	DECIMAL		1	CISPVERS	Version Level - Current

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CLTE Heading Information

Common Name: CURRENT LOCKS HELD TABLE EXTENSION
Macro ID: IHACLTE
DSECT Name: CLTE
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 239 - CPU RELATED WORK SAVE AREA
Key: 0
Residency: VIRTUAL: ABOVE 16M LINE.
Size: OFFSET OF CLTEEND MINUS THE OFFSET OF CLTE
Created by: IEAVCLTE (TEMPORARY CLTE)
IEAVNIP0
IEEVCPRA
Pointed to by: PSAECLTP
Serialization: COMPARE AND SWAP
Function: PROVIDE DATA MAPPING OF THE CURRENT LOCKS HELD TABLE EXTENSION.

CLTE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	128	CLTE	CURRENT LOCKS HELD TABLE EXTENSION.
0	(0)	ADDRESS	4	CLTEBLSD	BMFLSD LOCK.
4	(4)	ADDRESS	4	CLTEXDS	XCFDS LOCK.
8	(8)	ADDRESS	4	CLTEXRES	XCFRES LOCK.
12	(C)	ADDRESS	4	CLTEXQ	XCFQ LOCK.
		1...		CLTEXQEX	BIT 0 OF CLTEXQ. IF ON, THE XCFQ LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
16	(10)	ADDRESS	4	CLTEESET	ETRSET LOCK.
20	(14)	ADDRESS	4	CLTEIXSC	IXLSCH LOCK.
24	(18)	ADDRESS	4	CLTEIXSH	IXLSHR LOCK.
		1...		CLTEIXEX	BIT 0 OF CLTEIXSH. IF ON, THE IXSH LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
28	(1C)	ADDRESS	4	CLTEIXDS	IXLDS LOCK.
32	(20)	ADDRESS	4	CLTEIXLL	IXLSHELL LOCK.
36	(24)	ADDRESS	4	CLTEULUT	IOSULUT LOCK.
		1...		CLTEULEX	BIT 0 OF CLTEULUT. IF ON, THE IOSULUT LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
40	(28)	ADDRESS	4	CLTEIXRE	IXLREQST LOCK.
44	(2C)	ADDRESS	4	CLTEWLMR	WLMRES LOCK
48	(30)	ADDRESS	4	CLTEWLMQ	WLMQ LOCK.
		1...		CLTEWLMX	BIT 0 OF CLEWLMQ. IF ON, THE WLMQ LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
52	(34)	ADDRESS	4	CLTECNTX	CONTEXT LOCK
56	(38)	ADDRESS	4	CLTEREGS	REGSRV LOCK.
		1...		CLTEREGX	BIT 0 OF CLEREGS. IF ON, THE REGSRV LOCK IS HELD EXCLUSIVE.
		.111 1111		*	
60	(3C)	ADDRESS	4	CLTESSD	SSD LOCK
64	(40)	CHARACTER	64	CLTER040	RESERVED.
128	(80)	CHARACTER	0	CLTEEND	END OF THE CLTE.

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CLTE Cross Reference

Name	Hex Offset	Hex Value
CLTE	0	
CLTEBLSD	0	
CLTECNTX	34	
CLTEEND	80	
CLTEESET	10	
CLTEIXDS	1C	
CLTEIXEX	18	80
CLTEIXLL	20	
CLTEIXRE	28	
CLTEIXSC	14	
CLTEIXSH	18	
CLTEREGS	38	
CLTEREGX	38	80
CLTER040	40	
CLTESSD	3C	
CLTEULEX	24	80
CLTEULUT	24	
CLTEWLMQ	30	
CLTEWLMR	2C	
CLTEWLMX	30	80
CLTEXDS	4	
CLTEXQ	C	
CLTEXQEX	C	80
CLTEXRES	8	

CMB Programming Interface information

Programming Interface information

CMB

End of Programming Interface information

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CMB Heading Information

Common Name: CHANNEL MEASUREMENT BLOCK
Macro ID: IRACMB
DSECT Name: IRACMB
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: CMB
Offset: 0
Length: 4
Storage Attributes: Main Storage: ECSA
Residency: ABOVE 16M LINE
Size: IRACMB -- X'0040' bytes
Created by: IEAVNP1F
@PZJ0030
Pointed to by: THE ADDRESS OF THE CMB IS CONTAINED
IN THE -CMCTCMBV- FIELD OF THE CHANNEL MEASUREMENT
CONTROL TABLE. THE INDEX OF A PARTICULAR ENTRY IS
IS FOUND IN THE -UCBMBI- FIELD OF THAT DEVICE'S UCB.
Serialization: NONE
Function: THE CMB CONSISTS OF CONTIGUOUS REAL
STORAGE CONTAINING INFORMATION STORED DIRECTLY BY THE
CHANNEL. IT INCLUDES ENTRIES FOR TAPE, DASD, AND
OPTIONALLY, INSTALLATION SPECIFIED DEVICES.

CMB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	IRACMB	
0	(0)	CHARACTER	32	CMBHDR (0)	HEADER MUST SAME LENGTH AS CMB ELEMENTS. SEE NOTE
0	(0)	CHARACTER	4	CMBNAME	ACRONYM 'CMB'
4	(4)	SIGNED	4	CMBSIZE	NO. OF BYTES IN CMB
8	(8)	SIGNED	4	CMBMBID	NUMBER OF CMB ENTRIES RESERVED FOR DYNAMICALLY ADDED DASD
12	(C)	CHARACTER	20		RESERVED
32	(20)	CHARACTER	32	CMBNTRY (0)	ARRAY OF CMB ENTRIES
32	(20)	SIGNED	2	CMBSSCHC	NO. OF SSCH INSTRUCTIONS
34	(22)	SIGNED	2	CMBSAMPC	NO. OF SSCH INSTRUCTIONS FOR WHICH DATA WAS COLLECTED
36	(24)	SIGNED	4	CMBCONNT	SUMMATION OF DEVICE CONNECT TIMES
40	(28)	SIGNED	4	CMBPENDT	SUMMATION OF SSCH REQUEST PENDING TIMES
44	(2C)	SIGNED	4	CMBDISCT	SUMMATION OF SUBCHANNEL DISCONNECT TIMES
48	(30)	SIGNED	4	CMBCUQTA	SUMMATION OF CONTROL UNIT QUEUEING TIMES
52	(34)	SIGNED	4	CMBDAO	Summation of Device-active- only times
56	(38)	SIGNED	4	CMBDBT	Device busy time
60	(3C)	SIGNED	4	CMBICMR	Initial command response time
60	(3C)	X'40'	0	IRACMB_LEN	"*-IRACMB"

CMB Cross Reference

Name	Hex Offset	Hex Value
CMBCONNT	24	
CMBCUQTA	30	
CMBDAO	34	
CMBDBT	38	
CMBDISCT	2C	
CMBHDR	0	
CMBICMR	3C	
CMBMBID	8	
CMBNAME	0	
CMBNTRY	20	
CMBPENDT	28	
CMBSAMPC	22	
CMBSIZE	4	
CMBSSCHC	20	
IRACMB	0	
IRACMB_LEN	3C	40

CMCT Programming Interface information

Programming Interface information

CMCT

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

- @WA38548
- @WA38548
- @WA38548
- CMCTCMC2
- CMCTCPMB
- CMCTCpmfStateInfo
- CMCTCPM2
- CMCTCPOK
- CMCTCRCT
- CMCTECMBALET
- CMCTECMBMODE
- CMCTECMBPTR

End of Programming Interface information

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CMCT Heading Information

Common Name: Channel Measurement Control Table
Macro ID: IRACMCT
DSECT Name: CMCT
Owning Component: SRM (SC1CX)
Eye-Catcher ID: 'CMCT'
Offset: 00
Length: 4 bytes
Storage Attributes: Subpool: Extended Nucleus (Module IRARMCNS)
Key: Key 0
Residency: Above 16MB
Size: See Assembler Listing
Created by: IEAVNP10
IEAVNP1F
Pointed to by: RMCTCMCT field of Resource Manager Control Table (RMCT)
Serialization: Updates are serialized by the SRM Lock.
Function: The CMCT contains the information needed to locate the control blocks which are used by the system resource manager for the collection of i/o measurement data. It also contains summary status information related to this function.

CMCT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMCT	
0	(0)	CHARACTER	4	CMCTNAME	- ACRONYM 'CMCT'
4	(4)	BITSTRING	1	CMCTVERS	CMCT Version number
4	(4)	X'0'	0	CMCTVER0	"00" Base CMCT
4	(4)	X'1'	0	CMCTVER1	"01" CMCT includes extended measurement mode support
5	(5)	BITSTRING	3	CMCTRSV1	Reserved
8	(8)	ADDRESS	4	CMCTDBVT	- ADDR OF DBVT
12	(C)	ADDRESS	4	CMCTCPMT	- ADDR OF CHANNEL PATH MEASUREMENT TABLE
16	(10)	SIGNED	4	CMCTCMBR	- REAL ADDR OF CMB
20	(14)	ADDRESS	4	CMCTCMBV	- VIRTUAL ADDR OF CMB
24	(18)	ADDRESS	4	CMCTCPWK	- ADDR OF 32 BYTE WORKAREA FOR STCPS INSTRUCTION
28	(1C)	ADDRESS	4	CMCTHICP	- ADDR OF HIGHEST VALID ENTRY IN CPMT
32	(20)	DBL WORD	8	CMCTPERM	- ALLOCATION BLOCK FOR PERM DMB STORAGE
32	(20)	X'20'	0	CMCTPDMB	"CMCTPERM+0" ADDR OF 1ST IN USE PERM DMB
32	(20)	X'24'	0	CMCTPCID	"CMCTPERM+4" CPOOL ID FOR PERM DMBS
40	(28)	SIGNED	4	CMCTRSV2	
44	(2C)	SIGNED	4	CMCTRSEQ	SEQ. NO. OF LAST DROPOFF READ
48	(30)	SIGNED	2	CMCTHMBI	- THE HIGHEST MBI ASSIGNED BY IOS
50	(32)	SIGNED	2	CMCTCMBT	- THE TOTAL NUMBER OF CMB ENTRIES
52	(34)	SIGNED	4	CMCTUPDT	- TIME OF LAST DMB/CPMT UPDATE
56	(38)	SIGNED	4	CMCTSAMI	- TIME INTERVAL BETWEEN CHAN MEAS SAMPLES IN MILLISECONDS
60	(3C)	SIGNED	2	CMCTCTUN	- TUNTS BETWEEN CHAN MEAS SAMPLES
62	(3E)	SIGNED	2	CMCTCTU	- TUNTS REMAINING TO NEXT CHAN MEAS SAMPL
64	(40)	SIGNED	4	CMCTSTRT	- TIME MEASUREMENTS SET TO START PENDING
68	(44)	SIGNED	4	CMCTELST	- ELAPSED TIME SINCE DMB/CPMT UPDATE IN 128 MICRO SECONDS
72	(48)	SIGNED	4	CMCTSYNI	- TIME TO SYNCH CHAN TIMERS IN MILLISECONDS
76	(4C)	SIGNED	4	CMCTSPIP	- ?SPI CALL PARAMETERS ADDRESS
80	(50)	SIGNED	2	CMCTDSIZ	- NO. OF BYTES TO ALLOC IN NEW DMB CPOOL
82	(52)	SIGNED	2	CMCTRSV5	
84	(54)	SIGNED	2	CMCTSAMC	- NO. OF SAMPLES OF UCB QUEUE LENGTHS

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
86	(56)	SIGNED	2	CMCTMORE	- TOTAL NO. OF ENTRIES REQUIRED IN UPPER PORTION OF CMB
88	(58)	SIGNED	2	CMCTCMBN	- NO. OF ADDITIONAL CMB SLOTS SPECIFIED AS N IN CMB KEYWORD
90	(5A)	BITSTRING	1	CMCTDVCL	DEVICE CLASS REQUEST FLAGS
		1...		CMCTUNTR	"BIT0" - UNIT RECORD DEVICES
		.1..		CMCTCOMM	"BIT1" - COMMUNICATIONS EQUIPMENT
		..1.		CMCTGRPH	"BIT2" - GRAPHICS DEVICES
		...1		CMCTCHRD	"BIT3" - CHARACTER READER DEVICES
91	(5B)	BITSTRING	1	CMCTFLG1	I/O MEASUREMENT CONTROL FLAGS 1
		1...		CMCTDCA	"BIT0" - DCTI MEASUREMENTS ACTIVE
		.1..		CMCTMFA	"BIT1" - CMB DATA COLLECTION ACTIVE
		..1.		CMCTPAA	"BIT2" - CHANNEL PATH STATUS MEASUREMENT ACTIVE
		...1		CMCTMFSP	"BIT3" - CMB DATA COLLECTION START PENDING
		.... 1...		CMCTCPMF	"BIT4" - CPMF INSTALLED INDICATOR
		.... .1..		CMCTCPDR	"BIT5" - CPMF delayed restart issued
		.... ..1.		CMCTECPM	"BIT6" - CPMF extensions installed
		1		CMCTCPOK	"BIT7" - CPMF OPERATIONAL INDICATOR (ON - CPMF IS AVAILABLE FOR USE)
92	(5C)	BITSTRING	1	CMCTFLG2	I/O MEASUREMENT CONTROL FLAGS 2
		1...		CMCTDCOK	"BIT0" - DCTI MEASUREMENTS CONTROL STRUCTURE OK
		.1..		CMCTMFOK	"BIT1" - CMB MEASUREMENT CONTROL STRUCTURE OK
		..1.		CMCTCMOK	"BIT2" - CHANNEL MONITOR FACILITY OK
		...1		CMCTTCOK	"BIT3" - TOD CLOCK FACILITY OK
		.... 1...		CMCTPAOK	"BIT4" - CHANNEL PATH STATUS CONTROL STRUCTURE OK
		.... .1..		CMCTSDOK	"BIT5" - SAD IS INSTALLED AND OPERATIONAL
		.... ..1.		CMCTSCIP	"BIT6" - ASYCHRONOUS SPI CALL IN PROGRESS
93	(5D)	BITSTRING	1	CMCTKEY	- STORAGE KEY OF CMB
94	(5E)	BITSTRING	1	CMCTRSV6	- RESERVED
95	(5F)	BITSTRING	1	CMCTRWCT	- CPMF restart wait count
96	(60)	SIGNED	4	CMCTWORK (4)	- WORKAREA FOR ACCUMULATING CMB VALUES
96	(60)	X'60'	0	CMCTSAM4	"CMCTWORK+0" CMB SAMPLE COUNT @WLMPMCS

Comment

```
CMCTSSCH EQU CMCTWORK+0 CMB SAMPLE COUNT ------- DROPPED
CMCTSAMP EQU CMCTWORK+2 CMB SSCH COUNT ------- DROPPED
```

End of Comment

96	(60)	X'64'	0	CMCTCONN	"CMCTWORK+4" CMB CONNECT TIME
96	(60)	X'68'	0	CMCTPEND	"CMCTWORK+8" CMB PENDING TIME
96	(60)	X'6C'	0	CMCTACTV	"CMCTWORK+12" CMB ACTIVE TIME
112	(70)	ADDRESS	4	CMCTCPFL	ADDR STCPS OR CHAN MON FAILURE
116	(74)	ADDRESS	4	CMCTVDEV	ADDR OF ENF VARY DEVICE RTN IN
120	(78)	ADDRESS	4	CMCTUCBC	ADDR OF ENF VARY PATH RTN IN
124	(7C)	ADDRESS	4	CMCTDDR	ADD OF ENF DDR ENTRY IN IRARMCHM
128	(80)	ADDRESS	4	CMCTMDON	ADDR OF ROUTINE SCHEDULED WHEN
132	(84)	ADDRESS	4	CMCTMDXN	ADDR OF ROUTINE SCHEDULED BY
136	(88)	SIGNED	2	CMCTLTA	LONG TERM AVERAGING FACTOR
138	(8A)	SIGNED	2	CMCTLTA1	LONG TERM AVERAGING FACTOR PLUS ONE
140	(8C)	SIGNED	2	CMCTSTME	TIME BETWEEN STCPS SAMPLES
142	(8E)	SIGNED	2	CMCTRSV3	
144	(90)	SIGNED	4	CMCTSWTH	THRESHOLD TO SWITCH FROM SAD TO STCPS
148	(94)	ADDRESS	4	CMCTSWC	REAL SECONDS (SCALED) FOR SWITCH THRES
152	(98)	SIGNED	4	CMCTDTME	TIME OF LAST SAD DATA DROPOFF - INITIALIZED TO LARGE VALUE TO CAUSE INITIAL START UP
156	(9C)	BITSTRING	4	CMCTRSRT	THRESHOLD TO TRY SAD DATA RESTART (IN SRM TIMER UNITS)
160	(A0)	ADDRESS	4	CMCTSADB	ADDR OF SADB BLOCK
164	(A4)	ADDRESS	4	CMCTSPCS	ADDR OF SPCSP BLOCK
168	(A8)	ADDRESS	4	CMCTCPMB	ADDR OF CHANNEL PATH MEASUREMENT BLOCK (VALID ONLY WHEN CMCTCPOK IN CMCTFLG1 IS ON)
172	(AC)	SIGNED	4	CMCTCRCT	CPMF RESTART COUNT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
176	(B0)	SIGNED	4	CMCTCPCT	LAST RECORDED CPMB SAMPLE COUNT
180	(B4)	SIGNED	4	CMCTTODS	TIME STAMP OF LAST CPMF CHECK
184	(B8)	SIGNED	4	CMCTCMC2	ADDRESS OF CHANNEL MEASUREMENT CHARACTERISITICS BLOCK
188	(BC)	SIGNED	4	CMCTCPM2	ADDRESS OF CHANNEL PATH MEASUREMENT EXTENDED BLOCK
192	(C0)	DBL WORD	8	CMCTCPMFSTATEINFO (0)	CPMF STATE INFORMATION
192	(C0)	BITSTRING	1	CMCTCPMFMODE	CURRENT MEASUREMENT MODE 0 - CPMF NOT ACTIVE 1 - COMPATABILITY MODE 2 - EXTENDED MODE
192	(C0)	X'0'	0	CMCT_CPMF_NA	"00" CPMF NOT ACTIVE
192	(C0)	X'1'	0	CMCT_CPMF_COMPAT	"01" CPMF IN COMPAT MODE
192	(C0)	X'2'	0	CMCT_CPMF_EXTEND	"02" CPMF IN EXTENDED MODE
193	(C1)	BITSTRING	1	CMCTOPTXXMODE	MEASUREMENT MODE SPECIFIED IN IEAOPTXX MEMBER OF SYS1.PARMLIB: 0 - CPMF KEYWORD NOT SET 1 - CPMF COMPATABILITY MODE 2 - CPMF EXTENDED
193	(C1)	X'0'	0	CMCT_OPT_NA	"00" CPMF KEYWORD NOT SET
193	(C1)	X'1'	0	CMCT_OPT_COMPAT	"01" CPMF COMPATABILITY MODE SET
193	(C1)	X'2'	0	CMCT_OPT_EXTEND	"02" CPMF EXTENDED MODE SET
194	(C2)	BITSTRING	1	CMCTCPMFFLAGS	PROCESSING FLAGS
		1...		CMCTEXTENDEDMODECHPID	"BIT0" CHPID REQUIRING EXTENDED MEASUREMENT MODE WAS FOUND IN THE SYSTEM. SET BY IOS.
195	(C3)	BITSTRING	1	CMCTCPMFFLAGS2	PROCESSING FLAGS 2
		1...		CMCTCPMFRESTART	"BIT0" SET ON IF CPMF WAS DETERMINED TO BE STOPPED AND A RESTART IS NEEDED. IF NEW BITS ARE ADDED, THEN CS IS NEEDED WHEN UPDATING CMCTCPMFFLAGS2.
196	(C4)	BITSTRING	1		Reserved
197	(C5)	CHARACTER	2	CMCTCMSTOPRSN	
199	(C7)	BITSTRING	1	CMCTCPFN	FUNCTION CODE FOR STARTING CPMF ROUTINE I14. 0 - NIP CPMF STARTUP 1 - REGULAR CPMF RESTART
199	(C7)	X'0'	0	CMCT_NIP	"00" Nip CPMF startup value
199	(C7)	X'1'	0	CMCT_RESTART	"01" Nip CPMF restart value
200	(C8)	SIGNED	2	CMCTATTEMPTMODESWITCH	COUNT OF ATTEMPTS BEGUN TO SWITCH MEASUREMENT MODES
202	(CA)	SIGNED	2	CMCTCOMPLETEMODESWITCH	COUNT OF COMPLETED ATTEMPTS TO SWITCH MEASUREMENT MODES
204	(CC)	SIGNED	4	CMCTIOSCSCMRC	RC of IOSCSCM
208	(D0)	CHARACTER	25	CMCTECMBINFO (0)	ECMB information
208	(D0)	ADDRESS	4	CMCTECMBPTR	ECMB address
212	(D4)	BITSTRING	8	CMCTECMBSTOKEN	ECMB dataspace STOKEN
220	(DC)	SIGNED	4	CMCTECMBALET	ECMB dataspace alet
224	(E0)	CHARACTER	8	CMCTECMBHIGHMBIS (0)	Highest MBI assigned per Subchannel
224	(E0)	SIGNED	2	CMCTECMBHIGHMBI0	- Subchannel set 0
226	(E2)	SIGNED	2	CMCTECMBHIGHMBI1	- Subchannel set 1

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
228	(E4)	SIGNED	2	CMCTECMBHIGHMBI2	
					- Subchannel set 2
230	(E6)	SIGNED	2	CMCTECMBHIGHMBI3	
					- Subchannel set 3
232	(E8)	BITSTRING	1	CMCTECMBFLAGS	
					ECMB flags
		1...		CMCTECMBMODE	"X'80'" On = ECMB mode
233	(E9)	BITSTRING	7		Reserved
240	(F0)	DBL WORD	8	CMCTEND (0)	- END OF CMCT
240	(F0)	X'F0'	0	CMCTLEN	"CMCTEND-CMCT" - LENGTH OF CMCT

CMCT Cross Reference

Name	Hex Offset	Hex Value
CMCT	0	
CMCT_CPMF_COMPAT		
	C0	1
CMCT_CPMF_EXTEND		
	C0	2
CMCT_CPMF_NA	C0	0
CMCT_NIP	C7	0
CMCT_OPT_COMPAT		
	C1	1
CMCT_OPT_EXTEND		
	C1	2
CMCT_OPT_NA	C1	0
CMCT_RESTART	C7	1
CMCTACTV	60	6C
CMCTATTEMPTMODESWITCH		
	C8	0
CMCTCHRD	5A	10
CMCTCMBN	58	0
CMCTCMBR	10	0
CMCTCMBT	32	0
CMCTCMBV	14	
CMCTCMC2	B8	0
CMCTCMOK	5C	20
CMCTCMSTOPRSN		
	C5	4040
CMCTCOMM	5A	40
CMCTCOMPLETEMODESWITCH		
	CA	0
CMCTCONN	60	64
CMCTCPCT	B0	0
CMCTCPDR	5B	4
CMCTCPFL	70	
CMCTCPFN	C7	0
CMCTCPMB	A8	
CMCTCPMF	5B	8
CMCTCPMFFLAGS		
	C2	0
CMCTCPMFFLAGS2		
	C3	0
CMCTCPMFMODE	C0	0
CMCTCPMFRESTART		
	C3	80
CMCTCPMFSTATEINFO		
	C0	
CMCTCPMT	C	
CMCTCPM2	BC	0
CMCTCPOK	5B	1
CMCTCPWK	18	
CMCTCRCT	AC	0
CMCTCTU	3E	0
CMCTCTUN	3C	0
CMCTDBVT	8	
CMCTDCA	5B	80
CMCTDCOK	5C	80
CMCTDDR	7C	
CMCTDSIZ	50	800
CMCTDTME	98	7FFF
CMCTDVCL	5A	0
CMCTECMBALET	DC	0
CMCTECMBFLAGS		
	E8	0
CMCTECMBHIGHMBIS		
	E0	
CMCTECMBHIGHMBI0		
	E0	0
CMCTECMBHIGHMBI1		
	E2	0
CMCTECMBHIGHMBI2		
	E4	0
CMCTECMBHIGHMBI3		
	E6	0
CMCTECMBINFO	D0	
CMCTECMBMODE	E8	80
CMCTECMBPTR	D0	
CMCTECMBSTOKEN		
	D4	0
CMCTECPM	5B	2
CMCTELST	44	0
CMCTEND	F0	
CMCTEXTENDEDMODECHPID		
	C2	80
CMCTFLG1	5B	0
CMCTFLG2	5C	0
CMCTGRPH	5A	20
CMCTHICP	1C	
CMCTHMBI	30	0
CMCTIOSCSCMRC		
	CC	0
CMCTKEY	5D	50
CMCTLEN	F0	F0
CMCTLTA	88	9
CMCTLTA1	8A	A
CMCTMDON	80	
CMCTMDXN	84	
CMCTMFA	5B	40
CMCTMFOK	5C	40
CMCTMFSP	5B	10
CMCTMORE	56	0

CMCT Cross Reference

Name	Hex Offset	Hex Value
CMCTNAME	0	C3D4C3E3
CMCTOPTXXMODE	C1	0
CMCTPAA	5B	20
CMCTPAOK	5C	8
CMCTPCID	20	24
CMCTPDMB	20	20
CMCTPEND	60	68
CMCTPERM	20	0
CMCTRSEQ	2C	0
CMCTRSRT	9C	8F000
CMCTRSV1	5	0
CMCTRSV2	28	0
CMCTRSV3	8E	0
CMCTRSV5	52	0
CMCTRSV6	5E	0
CMCTRWCT	5F	0
CMCTSADB	A0	
CMCTSAMC	54	0
CMCTSAMI	38	C8
CMCTSAM4	60	60
CMCTSCIP	5C	2
CMCTSDOK	5C	4
CMCTSPCS	A4	
CMCTSPIP	4C	0
CMCTSTME	8C	0
CMCTSTRT	40	0
CMCTSWC	94	
CMCTSWTH	90	0
CMCTSYNI	48	3E80
CMCTTCOK	5C	10
CMCTTODS	B4	0
CMCTUCBC	78	
CMCTUNTR	5A	80
CMCTUPDT	34	0
CMCTVDEV	74	
CMCTVERS	4	2
CMCTVER0	4	0
CMCTVER1	4	1
CMCTWORK	60	0

CMDX Programming Interface information

Programming Interface information

CMDX

End of Programming Interface information

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CMDX Heading Information

Common Name: COMMAND INSTALLATION EXIT ROUTINE PARAMETER LIST
Macro ID: IEZVX101
DSECT Name: CMDX, CMDXCLIB, CMDXCDAM, CMDXOLIB
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: CMDX
Offset: 0
Length: 4
Storage Attributes: Subpool: 252
Key: 0
Residency: Any
Size: CMDX -- X'0070' bytes
CMDXCLIB -- X'0002' bytes
CMDXCDAM -- X'000C' bytes
CMDXOLIB -- X'0002' bytes
Created by: IEECV6CX - THE COMMAND INSTALLATION EXIT INTERFACE ROUTINE
Pointed to by: REGISTER 1 on entry to command installation exit
Serialization: NONE
Function: PROVIDES THE INTERFACE BETWEEN IEECV6CX AND THE COMMAND INSTALLATION EXITS.

CMDX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMDX	Command installation exit parameter list
0	(0)	CHARACTER	4	CMDXACRN	Acronym CMDX
4	(4)	CHARACTER	1	CMDXVRSV	Version Level
5	(5)	BITSTRING	2	CMDXSTAT	Status bytes
5	(5)	BITSTRING	1	CMDXSTU1	Status flags
		Comment			
		Bit definitions:			
		End of Comment			
		1...		CMDXNOCK	"X'80'" No authorization check
		.1..		CMDXFMCS	"X'40'" Command was issued from an MCS console
		..1.		CMDXSPNA	"X'20'" Command was issued before security product was activated
		...1		CMDXSYMS	"X'10'" Command text was changed by substitution of system symbolic variables
		.... 1...		CMDXIDOK	"X'08'" CMDXOCID valid
		.... .1..		CMDXTJY	"X'04'" On indicates CMDXASID contains a tjid
6	(6)	BITSTRING	1		Reserved
7	(7)	CHARACTER	1	CMDXRSV1	Reserved
8	(8)	CHARACTER	8	CMDXISYN	Issuing system name
16	(10)	CHARACTER	8	CMDXCNNM	Issuing console name
24	(18)	SIGNED	4	CMDXC4ID	Issuing console id in 4-byte format
24	(18)	BITSTRING	1	CMDXC4CL	Console class
25	(19)	SIGNED	3	CMDXC4NM	Console number
28	(1C)	CHARACTER	4	CMDXTOKN	Command issuer token

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		CMDXAFLA contains the authority level of the console which issued the command. If the installation exit alters the authority of the command, the new authority overlays the original value.			
				End of Comment	
32	(20)	BITSTRING	2	CMDXAUTH	Command issuer authority
32	(20)	BITSTRING	1	CMDXAFLA	1st byte of authority
				Comment	
		Bit definitions:			
				End of Comment	
		1...		CMDXAMST	"X'80'" Master authority
		.1..		CMDXASYS	"X'40'" SYS command authority
		..1.		CMDXAIO	"X'20'" IO command authority
		...1		CMDXACON	"X'10'" CONS command authority
33	(21)	BITSTRING	1	CMDXAFLB	Reserved
34	(22)	SIGNED	2	CMDXASID	ASID of the CMDX invoker
34	(22)	CHARACTER	2	CMDXTJID	TSO Terminal Job Identifier
36	(24)	ADDRESS	4	CMDXCWKP	Pointer to 12-byte common data area for all exits
40	(28)	ADDRESS	4	CMDXIWKP	Pointer to 8-byte data area for individual exit
44	(2C)	BITSTRING	4	CMDXSRFE	Request make to an exit
44	(2C)	BITSTRING	1	CMDXSRF1	Byte one
				Comment	
		Bit definitions:			
				End of Comment	
		1...		CMDXCCDA	"X'80'" This is the termination call. Cleanup the common data area
		.1..		CMDXCIDA	"X'40'" This is the termination call. Cleanup the individual data area
45	(2D)	BITSTRING	3	CMDXSRF2	Reserved
48	(30)	BITSTRING	4	CMDXRFLG	Request flags. Made by an exit
48	(30)	BITSTRING	1	CMDXRFL1	Byte one
				Comment	
		Bit definitions:			
				End of Comment	
		1...		CMDXRCMI	"X'80'" Change the command image. The new or changed command image must be in CMDXCMDI buffer along with modify length. The change must not be more than 126 characters in length
		.1..		CMDXRAUT	"X'40'" Change the command authority. The new or changed authority must be in CMDXAUTH. If request not valid, the request will be ignored.
49	(31)	BITSTRING	3	CMDXRFL2	Reserved
52	(34)	BITSTRING	4	CMDXPRFL	Previous request flags
52	(34)	BITSTRING	1	CMDXPRF1	Byte one
				Comment	
		Bit definitions:			
				End of Comment	
		1...		CMDXPRCI	"X'80'" Changed the command image

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.1..		CMDXPRAU	"X'40'" Changed the authority of the issuer of the command (for this command only)
53	(35)	BITSTRING	3	CMDXPRF2	Reserved
56	(38)	ADDRESS	4	CMDXCLIP	Pointer to the command length and the command image
60	(3C)	CHARACTER	4	CMDXEDAT	Exit data from MGCRE
64	(40)	CHARACTER	8	CMDXTRNM	Terminal name
72	(48)	CHARACTER	8	CMDXCLNM	Console class name
80	(50)	CHARACTER	8	CMDXCART	Command response token
88	(58)	ADDRESS	4	CMDXUTOK	Pointer to utoken
92	(5C)	ADDRESS	4	CMDXOLIP	If CMDXSYMS = ON, address of structure CMDXOLIB (original command text before symbolic variable substitution)
96	(60)	SIGNED	4	CMDXOCID	Originating console id (use for authority checking
100	(64)	CHARACTER	12	CMDXRSV4	Reserved
100	(64)	X'70'	0	CMDX_LEN	"*-CMDX"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMDXCLIB	Command buffer
0	(0)	SIGNED	2	CMDXCMDL	Length of the command text
2	(2)	CHARACTER	1	CMDXCMDI (0)	Command image text

Comment

THE ACRONYM AND THE VERSION NUMBER TO BE PLACED IN THE COMM
TASK EXIT PARAMETER LIST.

End of Comment

2	(2)	X'D4C4E7'	0	CMDXNAME	"C'CMDX'" ACRONYM
2	(2)	X'1'	0	CMDXS410	"1" LEVEL OS/VS2 HBB4410
2	(2)	X'2'	0	CMDXS520	"2" LEVEL OS/VS2 HBB5520
2	(2)	X'2'	0	CMDXVERN	"2" CURRENT VERSION LEVEL
2	(2)	X'2'	0	CMDXCLIB_LEN	"*-CMDXCLIB"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMDXCDAM	12-BYTE DATA AREA MAPPING
0	(0)	ADDRESS	4	CMDXCRTN	ADDRESS OF CLEANUP ROUTINE TO BE INVOKED AT THE TERMINATION CALL
4	(4)	CHARACTER	8	CMDXCUDA	8 BYTES USER DATA AREA
4	(4)	X'C'	0	CMDXCDAM_LEN	"*-CMDXCDAM"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMDXOLIB	Original command text
0	(0)	SIGNED	2	CMDXOMDL	Length of the command text
2	(2)	CHARACTER	1	CMDXOMDI (0)	Command image text
2	(2)	X'2'	0	CMDXOLIB_LEN	"*-CMDXOLIB"

CMDX Cross Reference

Name	Hex Offset	Hex Value
CMDX	0	
CMDX_LEN	64	70
CMDXACON	20	10
CMDXACRN	0	
CMDXAFLA	20	
CMDXAFLB	21	
CMDXAIO	20	20
CMDXAMST	20	80
CMDXASID	22	
CMDXASYS	20	40
CMDXAUTH	20	
CMDXCART	50	
CMDXCCDA	2C	80
CMDXCDAM	0	
CMDXCDAM_LEN	4	C
CMDXCIDA	2C	40
CMDXCLIB	0	
CMDXCLIB_LEN	2	2
CMDXCLIP	38	
CMDXCLNM	48	
CMDXCMDI	2	
CMDXCMDL	0	
CMDXCNNM	10	
CMDXCRTN	0	
CMDXCUDA	4	
CMDXCWKP	24	
CMDXC4CL	18	
CMDXC4ID	18	
CMDXC4NM	19	
CMDXEDAT	3C	
CMDXFMCS	5	40
CMDXIDOK	5	8
CMDXISYN	8	
CMDXIWKP	28	
CMDXNAME	2	D4C4E7
CMDXNOCK	5	80
CMDXOCID	60	
CMDXOLIB	0	
CMDXOLIB_LEN	2	2
CMDXOLIP	5C	
CMDXOMDI	2	
CMDXOMDL	0	
CMDXPRAU	34	40
CMDXPRCI	34	80
CMDXPRFL	34	
CMDXPRF1	34	
CMDXPRF2	35	
CMDXRAUT	30	40
CMDXRCMI	30	80
CMDXRFLG	30	
CMDXRFL1	30	
CMDXRFL2	31	
CMDXRSV1	7	
CMDXRSV4	64	
CMDXSPNA	5	20
CMDXSRFE	2C	
CMDXSRF1	2C	
CMDXSRF2	2D	
CMDXSTAT	5	
CMDXSTU1	5	
CMDXSYMS	5	10
CMDXS410	2	1
CMDXS520	2	2
CMDXTJID	22	
CMDXTJY	5	4
CMDXTOKN	1C	
CMDXTRNM	40	
CMDXUTOK	58	
CMDXVERN	2	2
CMDXVRSV	4	

CNMB Programming Interface information

Programming Interface information

CNMB

End of Programming Interface information

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CNMB Heading Information

Common Name: Converter Message Buffer Mapping
Macro ID: IEFCNMB
DSECT Name: CNMB
Owning Component: Converter (SC1B9)
Eye-Catcher ID: CNMB
Offset: 0
Length: 4 bytes
Storage Attributes: Subpool: Recommended subpool - 230 Installation specifies subpool in the C/I text exit. Subpool is returned to the converter in the CNMB. Desirable attributes: private, task-related
Key: Same as invoking routine
Residency: BELOW
Size: see CNMBSIZE value
Created by: C/I Text exit
Pointed to by: - CNMBNPTR field of the CNMB data area
- On return from JES2 exit 6, the 5th word of a parameter list pointed to by register 1
- On return from JES3 exit IATUX03, the 2nd word of a parameter list pointed to by register 1
Serialization: None
Function: This macro provides the mapping for a message buffer returned by the C/I text exit. The buffer can be used to pass installation-specific messages to the converter for output to the message dataset. It can also be used to direct the converter to fail a job at the discretion of the installation.

CNMB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CNMB	
0	(0)	X'0'	0	CNMBBGN	"*"
0	(0)	CHARACTER	4	CNMBID	IDENTIFIER (LOADED FROM CNMBCID)
4	(4)	BITSTRING	1	CNMBVER	CNMB VERSION NUMBER (CNMBCVER)
5	(5)	CHARACTER	1	CNMBSUBP	SUBPOOL FROM WHICH CNMB STORAGE WAS OBTAINED (eg E6)
6	(6)	SIGNED	2	CNMBLEN	LENGTH OF CNMB (CNMBSIZE)
8	(8)	BITSTRING	1	CNMBOPTS	OPTION BYTE
		1...		CNMBFJOB	"X'80'" WHEN SET ON BY THE EXIT INDICATES TO THE CONVERTER TO FAIL THE JOB IF SET ON, CONVERSION WILL CONTINUE UNTIL THE ENTIRE JOB HAS BEEN SCANNED. JOB WILL NOT EXECUTE.
9	(9)	CHARACTER	7	CNMBSRV1	RESERVED
16	(10)	ADDRESS	4	CNMBNPTR	POINTER TO NEXT BUFFER OR ZERO
20	(14)	CHARACTER	111	CNMBMSGA (0)	MESSAGE AREA IN VARIABLE LENGTH FORM
20	(14)	BITSTRING	1	CNMBMLEN	LENGTH OF MSG TEXT (EXCLUDING CNMBMLEN FIELD)
21	(15)	CHARACTER	1	CNMBMSG (0)	MESSAGE TEXT (<=110)
21	(15)	X'15'	0	CNMBSIZE	"*-CNMBBGN" Length of the fixed parameters

CNMB Cross Reference

Name	Hex Offset	Hex Value
CNMB	0	
CNMBBGN	0	0
CNMBFJOB	8	80
CNMBID	0	
CNMBLEN	6	
CNMBMLEN	14	
CNMBMSG	15	
CNMBMSGA	14	
CNMBNPTR	10	
CNMBOPTS	8	
CNMBSIZE	15	15
CNMBSRV1	9	
CNMBSUBP	5	
CNMBVER	4	

CNZMYM2S Programming Interface information

Programming Interface information

CNZMYM2S

End of Programming Interface information

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CNZMYM2S Heading Information

Common Name: Message To Syslog Exit Parameter List
Macro ID: CNZMYM2S
DSECT Name: M2SL
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: 'M2SL'
Offset: 0
Length: 4
Storage Attributes: Subpool: 229
Key: 0
Residency: 31-bit Storage
Size: M2SL -- X'0030' bytes
Created by: CNZQ1SLG
Pointed to by: R1 on entry to all CNZ_MSGTOSYSLOG exit routines
Serialization: None
Function: Maps the parameter list passed to CNZ_MSGTOSYSLOG exit routines

CNZMYM2S Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	M2SL	M2SL - Message to SYSLOG parameter list
0	(0)	CHARACTER	4	M2SL_ACRONYM	Acronym - 'M2SL'
4	(4)	BITSTRING	1	M2SL_VERSION	Version level of M2SL
5	(5)	BITSTRING	1		Reserved
6	(6)	SIGNED	2	M2SL_LENGTH	Length of the M2SL
8	(8)	CHARACTER	12	M2SL_VARIABLE (0)	Area to be cleared for each message instance
8	(8)	SIGNED	4	M2SL_FLAGS (0)	Flags
8	(8)	BITSTRING	1	M2SL_FLAG1 (0)	First flag byte
		1...		M2SL_MLWTO	"X'80'" When set, message is a MLWTO
		.1..		M2SL_MINORLINE	"X'40'" When set, this call is for a minor line (M2SL_WMNM is valid)
		..1.		M2SL_LASTLINE	"X'20'" When set, this call is for the last line of a MLWTO
9	(9)	SIGNED	3		
12	(C)	ADDRESS	4	M2SL_WQE@	Pointer to single or major line WQE
16	(10)	ADDRESS	4	M2SL_WMNM@	Pointer to current minor line WQE or zero
20	(14)	ADDRESS	4	M2SL_WORKAREA@	Pointer to 4k workarea for the exit. Each exit routine will share the same 4k workarea. It is up to the exit routine to initialize the workarea.
24	(18)	CHARACTER	24		Reserved
48	(30)	CHARACTER	1	M2SL_END (0)	End of M2SL structure
Comment					
Constants					
End of Comment					
48	(30)	X'1'	0	M2SL_KVERSIONJBB7727	"1"
48	(30)	X'1'	0	M2SL_KVERSIONCURRENT	"1"
48	(30)	X'F2E2D3'	0	M2SL_KACRONYM	"C'M2SL'"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
48	(30)	X'30'	0	M2SL_LEN	"*-M2SL"

CNZMYM2S Cross Reference

Name	Hex Offset	Hex Value
M2SL	0	
M2SL_ACRONYM	0	
M2SL_END	30	
M2SL_FLAGS	8	
M2SL_FLAG1	8	
M2SL_KACRONYM	30	F2E2D3
M2SL_KVERSIONCURRENT	30	1
M2SL_KVERSIONJBB7727	30	1
M2SL_LASTLINE	8	20
M2SL_LEN	30	30
M2SL_LENGTH	6	
M2SL_MINORLINE	8	40
M2SL_MLWTO	8	80
M2SL_VARIABLE	8	
M2SL_VERSION	4	
M2SL_WMNM@	10	
M2SL_WORKAREA@	14	
M2SL_WQE@	C	

CNZMYQUA Programming Interface information

Programming Interface information

CNZMYQUA

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CNZMYQUA Heading Information

Common Name: CNZQUERY Answer Area
Macro ID: CNZMYQUA
DSECT Name: CnzmyquaHdr
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: CnzmyquaHdr -- X'0050' bytes
Created by: Caller. Designated by ANSAREAALET keyword on CNZQUERY
Pointed to by: CNZQUERY parameter list
Serialization: None required
Function: Maps the data returned by the CNZQUERY macro.

The returned information consists of a header (CnzmyquaHdr) which contains queue headers for the requested data.

CNZMYQUA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CNZMYQUAHDR	Header section
0	(0)	ADDRESS	4	CNZMYQUAH_FIRST_IA_WQE_ADDR	Address of first immediate action WQE when AMRF=YES. Mapped by IHAWQE
4	(4)	ADDRESS	4	CNZMYQUAH_FIRST_EA_WQE_ADDR	Address of first eventual action WQE when AMRF=YES. Mapped by IHAWQE
8	(8)	ADDRESS	4	CNZMYQUAH_FIRST_CEA_WQE_ADDR	Address of first critical eventual action WQE when AMRF=YES. Mapped by IHAWQE
12	(C)	ADDRESS	4	CNZMYQUAH_FIRST_ORE_ADDR	First ORE address when WTOR=YES. Mapped by IHAORE. Each ORE contains the address of the associated WQE (mapped by IHAWQE).
16	(10)	CHARACTER	4	CNZMYQUAH_AMRF_STATUS	
16	(10)	BITSTRING	1	CNZMYQUAH_AMRF_STATUS_BYTE0	
				Comment	
				Bit definitions:	
				End of Comment	
		1...		CNZMYQUAH_AMRF_ACTIVE	"X'80'" When 1, AMRF is active
20	(14)	CHARACTER	4	CNZMYQUAH_VALIDITY	
20	(14)	BITSTRING	1	CNZMYQUAH_VALIDITY_BYTE0	
				Comment	
				Bit definitions:	
				End of Comment	
		1...		CNZMYQUAH_VALID_WTOR_INFO	"X'80'" The requested WTOR information is successfully returned
		.1..		CNZMYQUAH_VALID_AMRF_INFO	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'40'" The requested AMRF information is successfully returned
24	(18)	CHARACTER	40		Reserved
64	(40)	CHARACTER	16	CNZMYQUAH_NONINTERFACE1	
64	(40)	X'1000'	0	CNZMYQUAHDR_ADDR	
					"4096" Location within the data space of CnzmyquaHdr
				Comment	
				Return Code / Reason code constants for CNZQUERY. It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.	
				End of Comment	
64	(40)	BITSTRING	0	CNZQUERYRSNCODEMASK	
					"X'0000FFFF'" Use this mask to isolate the non component-diagnostic portion of the reason code.
				Comment	
				CNZQUERY Return and Reason Code definitions	
				End of Comment	
		....		CNZQUERYRC_OK	
					"X'00000000'" Meaning: CNZQUERY request successful. Action: None required.
		.... 1...		CNZQUERYRC_INVPARM	
					"X'00000008'" Meaning: CNZQUERY request specifies invalid parameters. Action: Refer to action under the individual reason code.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADPARMLIST	
					"X'00000801'" Meaning: Unable to access parameter list. Action: Check for possible storage overlay.
64	(40)	BITSTRING	0	CNZQUERYRSN_SRBMODE	
					"X'00000802'" Meaning: SRB mode. Action: Avoid requesting this function in SRB mode.
64	(40)	BITSTRING	0	CNZQUERYRSN_NOTENABLED	
					"X'00000803'" Meaning: Not Enabled. Action: Avoid requesting this function while not enabled.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADANSAREAALET	
					"X'00000804'" Meaning: Bad answer area ALET. Action: Make sure that the ALET associated with the answer area is valid. You might not have set up its access register properly.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADANSAREA	
					"X'00000805'" Meaning: Error accessing answer area. Action: Make sure that the provided answer area is valid.
64	(40)	BITSTRING	0	CNZQUERYRSN_RESERVEDNOT0	
					"X'00000806'" Meaning: Reserved field not 0. Action: Check for possible storage overlay of the parameter list.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADPARMLISTALET	
					"X'00000807'" Meaning: Bad parmlist ALET. Action: Make sure that the ALET of the parameter list is. valid. You might not have set up its access register properly.
64	(40)	BITSTRING	0	CNZQUERYRSN_BADVERSION	
					"X'00000808'" Meaning: Bad version number. Action: Check for possible storage overlay of the parameter list.
64	(40)	BITSTRING	0	CNZQUERYRSN_LOCKED	
					"X'00000809'" Meaning: Locked Action: Avoid requesting this function in this environment.
64	(40)	BITSTRING	0	CNZQUERYRSN_FRR	

CNZMYQUA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'0000080A'" Meaning: An FRR is set Action: Avoid requesting this function in this environment.
		...1		CNZQUERYRC_COMPERROR	
					"X'00000010'" Meaning: Unexpected failure. Action: Refer to the action provided with the specific reason code.
64	(40)	BITSTRING	0	CNZQUERYRSN_COMPERROR	
					"X'00001001'" Meaning: Unexpected failure. The state of the request is unpredictable. Action: Contact your system programmer.
64	(40)	X'50'	0	CNZMYQUAHDR_LEN	
					"*-CnzmyquaHdr"

CNZMYQUA Cross Reference

Name	Hex Offset	Hex Value
CNZMYQUAH_AMRF_ACTIVE	10	80
CNZMYQUAH_AMRF_STATUS	10	
CNZMYQUAH_AMRF_STATUS_BYTE0	10	
CNZMYQUAH_FIRST_CEA_WQE_ADDR	8	
CNZMYQUAH_FIRST_EA_WQE_ADDR	4	
CNZMYQUAH_FIRST_IA_WQE_ADDR	0	
CNZMYQUAH_FIRST_ORE_ADDR	C	
CNZMYQUAH_NONINTERFACE1	40	
CNZMYQUAH_VALID_AMRF_INFO	14	40
CNZMYQUAH_VALID_WTOR_INFO	14	80
CNZMYQUAH_VALIDITY	14	
CNZMYQUAH_VALIDITY_BYTE0	14	
CNZMYQUAHDR	0	
CNZMYQUAHDR_ADDR	40	1000
CNZMYQUAHDR_LEN	40	50
CNZQUERYRC_COMPERROR	40	10
CNZQUERYRC_INVPARM	40	8
CNZQUERYRC_OK	40	0
CNZQUERYRSN_BADANSAREA	40	805
CNZQUERYRSN_BADANSAREAALET	40	804
CNZQUERYRSN_BADPARMLIST	40	801
CNZQUERYRSN_BADPARMLISTALET	40	807
CNZQUERYRSN_BADVERSION	40	808
CNZQUERYRSN_COMPERROR	40	1001
CNZQUERYRSN_FRR	40	80A
CNZQUERYRSN_LOCKED	40	809
CNZQUERYRSN_NOTENABLED	40	803
CNZQUERYRSN_RESERVEDNOT0	40	806
CNZQUERYRSN_SRBMODE	40	802
CNZQUERYRSNCODEMASK	40	FFFF

CNZMYWMX Programming Interface information

Programming Interface information

CNZMYWMX

End of Programming Interface information

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CNZMYWMX Heading Information

Common Name: WTO MDB User Exit Parameter List
Macro ID: CNZMYWMX
DSECT Name: WMDX
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: 'WMDX'
Offset: 0
Length: 4
Storage Attributes: Subpool: 229
Key: 0
Residency: 31-bit Storage
Size: WMDX -- X'00D0' bytes
CNZ_TWMDX_PLIST -- X'0008' bytes
Created by: CNZS1WTO, CNZSCLOT
Pointed to by: R1 points to a parameter list mapped by CNZ_tWMDX_PList which contains a pointer to the WMDX control block and a pointer to 4K user workarea which is shared by users of the CNZ_WTOMDBEXIT exit point.
Serialization: None
Function: Maps the parameter list passed to CNZ_WTOMDBEXIT exit routines

CNZMYWMX Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	WMDX	WMDX - WtoMDB Exit Parameter
0	(0)	CHARACTER	8	WMDX_HEADER	WMDX Header
0	(0)	CHARACTER	4	WMDX_ACRONYM	Acronym - 'WMDX'
4	(4)	BITSTRING	1	WMDX_VERSION	Version level of WMDX
5	(5)	CHARACTER	1		Reserved
6	(6)	SIGNED	2	WMDX_LENGTH	Length of the WMDX
8	(8)	CHARACTER	176	WMDX_MSGDATA	Message data
8	(8)	BITSTRING	2	WMDX_FLAGS	Flags
8	(8)	BITSTRING	1	WMDX_FLAG1	First flag byte
				Comment	
					Bit definitions:
				End of Comment	
		1...		WMDX_SLWTO	"X'80'" Message is a single-line WTO
		.1..		WMDX_MLWTO	"X'40'" Message is a multi-line WTO
		..1.		WMDX_BEWTO	"X'20'" Message is a branch-entry WTO
		...1		WMDX_WTOR	"X'10'" Message is a WTOR
		.... 1...		WMDX_FOREIGN	"X'08'" Message originated from a system outside this system
9	(9)	BITSTRING	1		Reserved
10	(A)	CHARACTER	2		Reserved
12	(C)	BITSTRING	4	WMDX_DOMID	DOMID/Sequence number
16	(10)	SIGNED	2	WMDX_TEXTLEN	Length of imbedded msg text
18	(12)	CHARACTER	128	WMDX_MSGTEXT	First Line of message text
146	(92)	SIGNED	2	WMDX_ASID	ASID of msg issuer
148	(94)	CHARACTER	8	WMDX_REPLYID	Reply ID of WTOR
156	(9C)	CHARACTER	8	WMDX_SYSNM	Message origination system
164	(A4)	CHARACTER	8	WMDX_JOBNM	Jobname
172	(AC)	CHARACTER	4		Reserved
176	(B0)	SIGNED	4	WMDX_MDB_ALET	ALET associated with this MDB

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
180	(B4)	ADDRESS	4	WMDX_MDB_PTR	pointer to MDB
184	(B8)	CHARACTER	24		Reserved
208	(D0)	CHARACTER	1	WMDX_END (0)	End of WMDX structure
				Comment	
				Constants	
				End of Comment	
208	(D0)	X'1'	0	WMDX_KVERSIONHBB7730	"1"
208	(D0)	X'1'	0	WMDX_KVERSIONCURRENT	"1"
208	(D0)	X'D4C4E7'	0	WMDX_KACRONYM	"C'WMDX'"
208	(D0)	X'D0'	0	WMDX_LEN	"*-WMDX"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CNZ_TWMDX_PLIST	Linkage structure for WMDX
0	(0)	ADDRESS	4	WMDX_PTR	Pointer to WMDX
4	(4)	ADDRESS	4	WMDX_WORKAREA@	Pointer to user workarea
4	(4)	X'8'	0	CNZ_TWMDX_PLIST_LEN	"*-CNZ_TWMDX_PLIST"

CNZMYWMX Cross Reference

Name	Hex Offset	Hex Value
CNZ_TWMDX_PLIST	0	
CNZ_TWMDX_PLIST_LEN	4	8
WMDX	0	
WMDX_ACRONYM	0	
WMDX_ASID	92	
WMDX_BEWTO	8	20
WMDX_DOMID	C	
WMDX_END	D0	
WMDX_FLAGS	8	
WMDX_FLAG1	8	
WMDX_FOREIGN	8	8
WMDX_HEADER	0	
WMDX_JOBNM	A4	
WMDX_KACRONYM	D0	D4C4E7
WMDX_KVERSIONCURRENT	D0	1
WMDX_KVERSIONHBB7730	D0	1
WMDX_LEN	D0	D0
WMDX_LENGTH	6	
WMDX_MDB_ALET	B0	
WMDX_MDB_PTR	B4	
WMDX_MLWTO	8	40
WMDX_MSGDATA	8	
WMDX_MSGTEXT	12	
WMDX_PTR	0	
WMDX_REPLYID	94	
WMDX_SLWTO	8	80
WMDX_SYSNM	9C	
WMDX_TEXTLEN	10	
WMDX_VERSION	4	
WMDX_WORKAREA@	4	
WMDX_WTOR	8	10

CNZTRPL Programming Interface information

Programming Interface information

CNZTRPL

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

- TRPL_Workarea

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CNZTRPL Heading Information

Common Name: Console Id Tracking Request Parameter List (TRPL)
Macro ID: CNZTRPL
DSECT Name: TRPL
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: TRPL
Offset: 0
Length: 4
Storage Attributes: Subpool: Caller defined
Key: Caller defined
Residency: Any
Size: TRPL -- 80 bytes
TRPL -- X'0050' bytes
Created by: Issuer of CNZTRKR
Pointed to by: R1 when invoking CNZTRKR
Serialization: None
Function: Parameter list for the CNZTRKR macro

CNZTRPL Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	TRPL	
0	(0)	CHARACTER	4	TRPL_ACRO	"TRPL"
4	(4)	BITSTRING	1	TRPL_VERSION	Version of TRPL
5	(5)	BITSTRING	1	TRPL_REQUESTS	Request flags
		Comment			
		Bit definitions:			
		End of Comment			
		1...		TRPL_DONT_ABEND	"X'80'" Don't ABEND this instance request
6	(6)	CHARACTER	2		Reserved
8	(8)	CHARACTER	28	TRPL_TRACK_INFO	Track info to be recorded
36	(24)	SIGNED	4	TRPL_TRACK_VALUE	Track value to be recorded
40	(28)	ADDRESS	4	TRPL_VIOLATORS_ADDR	Pointer to violator of console id usage. Address will be used to determine program name. If zero, CNZTRKR will attempt to determine program name.
44	(2C)	CHARACTER	4		Reserved
48	(30)	CHARACTER	32	TRPL_WORKAREA	Workarea for CNZTRKR
		Comment			
		Version Levels and Acronym definitions			
		End of Comment			
48	(30)	X'D9D7D3'	0	TRPL_K_CHAR	"C'TRPL'" Acronym
48	(30)	X'1'	0	TRPL_K_CURR_VERSION	"1" Current version level
48	(30)	X'1'	0	TRPL_K_JBB7727	"1" Initial version level

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Return and associated reason codes	
				End of Comment	
48	(30)	X'0'	0	TRPL_K_RC_OK	"0" Request successful
				Comment	

				End of Comment	
48	(30)	X'4'	0	TRPL_K_RC_TRACKING_NOT_AVAIL	"4" Tracking is not available
48	(30)	X'4'	0	TRPL_K_RSN_MAX_INSTANCES_DEFINED	"4" The maximum number of recorded instances has been reached
48	(30)	X'8'	0	TRPL_K_RSN_TRACKING_NOT_ACTIVE	"8" Tracking facility is not active
				Comment	

				End of Comment	
48	(30)	X'C'	0	TRPL_K_RC_INVALID_PARM_DATA	"12" Data in parm list is invalid
48	(30)	X'4'	0	TRPL_K_RSN_INVALID_ACRONYM	"4" Invalid acronym/version level
48	(30)	X'8'	0	TRPL_K_RSN_INVALID_TRACK_INFO	"8" Track information is not valid
48	(30)	X'C'	0	TRPL_K_RSN_INVALID_PARM_LIST_ADDR	"12" Can not access parm list
				Comment	

				End of Comment	
48	(30)	X'10'	0	TRPL_K_RC_SYSTEM_ERROR	"16" A necessary system service was not available
48	(30)	X'4'	0	TRPL_K_RSN_NO_RECOVERY	"4" Could not establish recovery
48	(30)	X'8'	0	TRPL_K_RSN_NO_SERIALIZATION_ENV	"8" Serialization environment could not be established
48	(30)	X'C'	0	TRPL_K_RSN_ABEND	"12" ABEND occurred during processing
48	(30)	X'50'	0	TRPL_LEN	"*-TRPL"

CNZTRPL Cross Reference

Name	Hex Offset	Hex Value
TRPL	0	
TRPL_ACRO	0	
TRPL_DONT_ABEND	5	80
TRPL_K_CHAR	30	D9D7D3
TRPL_K_CURR_VERSION	30	1
TRPL_K_JBB7727	30	1
TRPL_K_RC_INVALID_PARM_DATA	30	C
TRPL_K_RC_OK	30	0
TRPL_K_RC_SYSTEM_ERROR	30	10
TRPL_K_RC_TRACKING_NOT_AVAIL	30	4
TRPL_K_RSN_ABEND	30	C
TRPL_K_RSN_INVALID_ACRONYM	30	4
TRPL_K_RSN_INVALID_PARM_LIST_ADDR	30	C
TRPL_K_RSN_INVALID_TRACK_INFO	30	8
TRPL_K_RSN_MAX_INSTANCES_DEFINED	30	4
TRPL_K_RSN_NO_RECOVERY	30	4
TRPL_K_RSN_NO_SERIALIZATION_ENV	30	8
TRPL_K_RSN_TRACKING_NOT_ACTIVE	30	8
TRPL_LEN	30	50
TRPL_REQUESTS	5	
TRPL_TRACK_INFO	8	
TRPL_TRACK_VALUE	24	
TRPL_VERSION	4	
TRPL_VIOLATORS_ADDR	28	
TRPL_WORKAREA	30	

COM Programming Interface Information

Programming Interface Information

COM

End of Programming Interface Information

COM Heading Information

Common Name: COMMUNICATIONS PARAMETER LIST
Macro ID: IEZCOM
DSECT Name: None
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245
Key: 0
Size: 12 bytes
Created by: EXTRACT macro
Pointed to by: Usre defined field.
Serialization: None
Function: Contains information returned by the EXTRACT macro with the FIELDS=COMM option.

COM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	(0)	
0	(0)	X'0'	0	COMLIST	"*" COMPTR -> COMMUNICATIONS PARAMETER LIST
0	(0)	ADDRESS	4	COMECBPT	- PTR TO ECB FOR STOP OR MODIFY COMMAND
4	(4)	ADDRESS	4	COMCIBPT	- PTR TO COMMAND INPUT BUFFER (CIB) MAPPED BY THE MACRO IEZCIB
8	(8)	CHARACTER	4	COMTOKEN	- 31 BIT RIGHT JUSTIFIED TOKEN (MDC001)
		1...		COMTOKHR	"X'80'" - BIT = 1 INDICATES A TOKEN PRESENT (MDC001)
					END OF IEZCOM

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CONV Programming Interface information

Programming Interface information

CONV

End of Programming Interface information

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CONV Heading Information

Common Name: ConVCon Parameter List (CONV) CnzConv Constants (CnzConv)
Macro ID: IEZVG200
DSECT Name: CONV
Owning Component: CONSOLE (SC1CK)
Eye-Catcher ID: CONV
Offset: 0
Length: 4
Storage Attributes: Subpool: Subpool of caller
Key: Key of caller
Residency: Any
Size: CONV -- X'0034' bytes
Created by: CALLER OF CONVCON SERVICE
Pointed to by: Register 1 of caller
Serialization: NONE
Function: PROVIDES A MAPPING OF THE CONVCON PARAMETER LIST (CONV).
Provides declares for the CnzConv macro.

CONV Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CONV	CONV parameter list
0	(0)	CHARACTER	4	CONVACRO	Acronym - 'CONV'
4	(4)	BITSTRING	1	CONVVRSN	Version level
5	(5)	BITSTRING	1	CONVFLGS	Communication flags
		Comment			
Bit definitions:					
		End of Comment			
		1...		CONVPFLD	"X'80'" ON - indicates process CONVFLD
		.1..		CONVPID	"X'40'" ON - indicates process CONVID
6	(6)	BITSTRING	2	CONVRSV1	Reserved
8	(8)	CHARACTER	10	CONVFLD	EBCDIC input field
18	(12)	CHARACTER	1	CONVAREA	Area ID
19	(13)	CHARACTER	1	CONVRSN	Reason Code
20	(14)	CHARACTER	8	CONVNAME	Console name
28	(1C)	SIGNED	4	CONVID	Console Id
28	(1C)	BITSTRING	1	CONVCLAS	Console Class
29	(1D)	SIGNED	3	CONVCNUM	Console number
32	(20)	BITSTRING	1	CONVGFLG	General Flags
		Comment			
Bit definitions:					
		End of Comment			
		1...		CONVNPAR	"X'80'" ON - indicates do not process area id
		.1..		CONVSMCS	"X'40'" ON indicates SMCS Console
33	(21)	CHARACTER	7	CONVRSV3	Reserved
40	(28)	CHARACTER	8	CONVSYSN	System name
48	(30)	ADDRESS	4	CONVPTR	Pointer to conv
48	(30)	X'2'	0	CONVRID	"2" Current version level
48	(30)	X'30'	0	CONVPLEN	"48" Length of the CONV parameter list
48	(30)	X'D6D5E5'	0	CONVCHRS	"C'CONV'" Characters for acronym
48	(30)	X'1'	0	CONVSP41	"1" Version level for SP

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
48	(30)	X'2'	0	CONV7730	"2" Version level for HBB7730 CONVCON PROCESSOR entry point
				Comment	
				ConVCon Return and Reason Codes CONVCON Return and Reason Code definitions	
				End of Comment	
48	(30)	X'0'	0	CONVCONRET0_CONSOLEACTIVE	"0" Meaning: The input console is active. Action: Examine the reason code to determine how to proceed.
48	(30)	X'0'	0	CONVCONRSN0_AREAIDVALID	"0" Meaning: The area ID (if specified) is syntactically valid. Action: None.
48	(30)	X'C'	0	CONVCONRSNC_AREAIDINVALID	"12" Meaning: Program error. The area id specified is not syntactically valid. Action: Correct the area ID specification. The area ID must be a letter between A-K or Z.
48	(30)	X'10'	0	CONVCONRSN10_AREAIDWRONGLENGTH	"16" Meaning: Program error. The area ID was either not specified after the dash or additional non-blank characters were specified after the area ID in CONVFLD. Action: Correct the area ID specification. The area ID must be a letter between A-K or Z.
48	(30)	X'4'	0	CONVCONRET4_CONSOLEINACTIVE	"4" Meaning: The input console is inactive. Action: Messages cannot be sent to this console. You must direct messages elsewhere. Examine the reason code for additional information.
48	(30)	X'8'	0	CONVCONRET8_CONSOLENAMENOTFOUND	"8" Meaning: An error occurred attempting to process the input console name. Action: Examine the reason code to determine how to proceed.
48	(30)	X'0'	0	CONVCONRSN0_BADNAME	"0" Meaning: Program error. The console name specified is not valid for one of the following reasons: (1) No console with the specified name exists. (2) You specified an area ID with the console name, but you also set the flag CONVNPAR in the CONVFLGS field of the CONV parameter list. (3) You specified a console name with more than 8 characters. Action: Take the action number corresponding to the meaning number. (1) Change the console name to one that is defined in the sysplex. (2) Remove the area ID after the console name, or turn off the CONVNPAR flag in the CONV parameter list. (3) Correct the console name.
48	(30)	X'8'	0	CONVCONRSN8_INVALIDSYNTAX	"8" Meaning: Program error. The console name specified contains invalid syntax. Action: Correct the syntax of the console name and resubmit the request.
48	(30)	X'C'	0	CONVCONRSNC_NAMEISRESERVED	"12" Meaning: Program error. The console name specified is a reserved console name. Action: Correct the problem and resubmit the request.
48	(30)	X'C'	0	CONVCONRETC_INCORRECTCONSOLEID	"12" Meaning: Program error. You specified an incorrect console ID on input. Action: Specify a valid 4-byte console id. Correct the problem and resubmit the request.
48	(30)	X'10'	0	CONVCONRET10_NOTAVAILABLE	"16" Meaning: Environmental error. The ConVCon service is not available Action: Resubmit the request at a later time.
48	(30)	X'14'	0	CONVCONRET14_IBMDIAGNOSTIC	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dec)	Description
					"20" Meaning: System error. These codes are for IBM diagnostic purposes only. Action: Supply the return code, reason code, CNZ0001I message, and the dump to the appropriate IBM support personel.
48	(30)	X'18'	0	CONVCONRET18_NOINPUTSPECIFIED	
					"24" Meaning: Program error. CONVCON processing completed unsuccessfully. You did not specify whether a console name or a console ID was being supplied as input. Action: Ensure that exactly one of the console input flags in field CONVFLGS is on and resubmit the request.
48	(30)	X'1C'	0	CONVCONRET1C_TOOMUCHINPUT	
					"28" Meaning: Program error. CONVCON processing completed unsuccessfully. You specified both the console name and console ID values in CONVFLGS. Action: Ensure that you only have one of the console input flags in field CONVFLGS is on and resubmit the request.
48	(30)	X'20'	0	CONVCONRET20_BADACRONYM	
					"32" Meaning: Program error. CONVCON processing completed unsuccessfully. The CONV acronym was missing in the CONV parameter list. Action: Ensure that you are correctly referencing the parameter list issuing CONVCON, and that the parameter list is correct. Resubmit the request.
48	(30)	X'24'	0	CONVCONRET24_HOLDINGLOCKS	
					"36" Meaning: Program error. CONVCON was called while holding a lock. Action: Correct the program to invoke CONVCON while no locks are held.
				Comment	
				End of CONVCON Return and Reason Code definitions CnzConv declares begin here: Console Types	
				End of Comment	
48	(30)	X'1'	0	CNZCONV_KTYPE_MCS	
					"1"
48	(30)	X'2'	0	CNZCONV_KTYPE_SMCS	
					"2"
48	(30)	X'3'	0	CNZCONV_KTYPE_SUBSYS	
					"3"
48	(30)	X'4'	0	CNZCONV_KTYPE_EMCS	
					"4"
48	(30)	X'5'	0	CNZCONV_KTYPE_SPECIAL	
					"5"
				Comment	
				Console SubTypes Note: The currently defined subtypes will only appear for a console type of special.	
				End of Comment	
48	(30)	X'1'	0	CNZCONV_KSUBTYPE_INTERNAL	
					"1" Possible only for a console type of special
48	(30)	X'2'	0	CNZCONV_KSUBTYPE_INSTREAM	
					"2" Possible only for a console type of special
48	(30)	X'3'	0	CNZCONV_KSUBTYPE_UNKNOWN	
					"3" Possible only for a console type of special
				Comment	
				Console Status	
				End of Comment	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
48	(30)	X'1'	0	CNZCONV_KSTATUS_INACTIVE	"1"
48	(30)	X'2'	0	CNZCONV_KSTATUS_ACTIVE	"2"

Comment

Return and reason code definitions for CNZCONV
CNZCONV Return and Reason Code definitions

End of Comment

		....		CNZCONVRC0_OK	"X'00000000'" Meaning: The input console name or id was found and the requested data was returned. Action: None required.
		.... .1..		CNZCONVRC4_CONDITIONALLYOK	"X'00000004'" Meaning: The request completed successfully with an exception. All, some, or none of the data requested has been returned. Action: Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSN401_IDNOTFOUND	"X'00000401'" Meaning: The console id in InConsoleId is not associated with any console. None of the requested data has been returned. Action: Correct the console id in InConsoleId to be the id of a defined console or take appropriate action when the console id in InConsoleId was not found.
48	(30)	BITSTRING	0	CNZCONVRSN402_NAMENOTFOUND	"X'00000402'" Meaning: The console name in InConsoleName is not associated with any console. None of the requested data has been returned. Action: Correct the console name in InConsoleName to be the name of a defined console or take appropriate action when the console name in InConsoleName was not found.
48	(30)	BITSTRING	0	CNZCONVRSN403_NAMEISRESERVED	"X'00000403'" Meaning: The input console name is a reserved console name. None of the requested data has been returned. Action: Correct the console name in InConsoleName to be the name of a defined console or take appropriate action when the console name in InConsoleName is reserved.
		.... 1...		CNZCONVRC8_SPECIFICATIONERROR	"X'00000008'" Meaning: An error was detected in the CnzConv parameter list. None of the requested data has been returned. Action: Correct the CnzConv parameter list. Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSN801_BADPLISTVER	"X'00000801'" Meaning: The PLISTVER in the CnzConv parameter list is incorrect. Action: Correct the PLISTVER in the CnzConv parameter list.
48	(30)	BITSTRING	0	CNZCONVRSN802_EXTRANEOUSINPUT	"X'00000802'" Meaning: InConsoleName and InConsoleId are mutually exclusive keywords but both were specified. Action: Specify one and only one of the following keywords: InConsoleName or InConsoleId.
48	(30)	BITSTRING	0	CNZCONVRSN803_INCOMPLETEARGS	"X'00000803'" Meaning: Neither InConsoleName or InConsoleId keywords were specified. Action: Specify one and only one of the following keywords: InConsoleName or InConsoleId.
48	(30)	BITSTRING	0	CNZCONVRSN804_NAMEINVALIDSYNTAX	"X'00000804'" Meaning: The console name in InConsoleName is syntactically invalid and cannot be a console name. Action: Correct the input console name.
		.... 11..		CNZCONVRCC_ERROR	

CONV Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'0000000C'" Meaning: The request failed to complete successfully. None of the requested data has been returned. Action: Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSNC01_NOTAVAILABLE	
					"X'00000C01'" Meaning: The CnzConv service is not available at this time. This typically would not occur after system initialization. Action: Resubmit your request at a later time.
48	(30)	BITSTRING	0	CNZCONVRSNC02_INCORRECTENV	
					"X'00000C02'" Meaning: The CnzConv service was invoked in an incorrect environment. Action: Invoke the CnzConv service in the correct environment.
		...1		CNZCONVRC10_UNEXPECTEDERROR	
					"X'00000010'" Meaning: Unexpected failure occurred. The outcome of the request is unpredictable, meaning that it may have completed successfully, or partially, or not at all. All, some, or none of the data requested has been returned. A dump may have been taken. Action: Examine the reason code to determine how to proceed.
48	(30)	BITSTRING	0	CNZCONVRSN1001_SEVEREERROR	
					"X'00001001'" Meaning: The CnzConv service was unable to complete your request due to an unexpected error processing the CnzConv request. Action: Supply the return code, reason code, and the dump to the appropriate IBM support personel.
48	(30)	X'34'	0	CONVGLEN	"*-CONV"

CONV Cross Reference

Name	Hex Offset	Hex Value
CNZCONV_KSTATUS_ACTIVE	30	2
CNZCONV_KSTATUS_INACTIVE	30	1
CNZCONV_KSUBTYPE_INSTREAM	30	2
CNZCONV_KSUBTYPE_INTERNAL	30	1
CNZCONV_KSUBTYPE_UNKNOWN	30	3
CNZCONV_KTYPE_EMCS	30	4
CNZCONV_KTYPE_MCS	30	1
CNZCONV_KTYPE_SMCS	30	2
CNZCONV_KTYPE_SPECIAL	30	5
CNZCONV_KTYPE_SUBSYS	30	3
CNZCONVRCC_ERROR	30	C
CNZCONVRC0_OK	30	0
CNZCONVRC10_UNEXPECTEDERROR	30	10
CNZCONVRC4_CONDITIONALLYOK	30	4
CNZCONVRC8_SPECIFICATIONERROR	30	8
CNZCONVRSNC01_NOTAVAILABLE	30	C01
CNZCONVRSNC02_INCORRECTENV	30	C02
CNZCONVRSN1001_SEVEREERROR	30	1001
CNZCONVRSN401_IDNOTFOUND	30	401
CNZCONVRSN402_NAMENOTFOUND	30	402
CNZCONVRSN403_NAMEISRESERVED	30	403
CNZCONVRSN801_BADPLISTVER	30	801
CNZCONVRSN802_EXTRANEOUSINPUT	30	802
CNZCONVRSN803_INCOMPLETEARGS	30	803
CNZCONVRSN804_NAMEINVALIDSYNTAX	30	804
CONV	0	
CONVACRO	0	
CONVAREA	12	
CONVCHRS	30	D6D5E5
CONVCLAS	1C	
CONVCNUM	1D	
CONVCONRETC_INCORRECTCONSOLEID	30	C
CONVCONRET0_CONSOLEACTIVE	30	0
CONVCONRET1C_TOOMUCHINPUT	30	1C
CONVCONRET10_NOTAVAILABLE	30	10
CONVCONRET14_IBMDIAGNOSTIC	30	14
CONVCONRET18_NOINPUTSPECIFIED	30	18
CONVCONRET20_BADACRONYM	30	20

Name	Hex Offset	Hex Value
CONVCONRET24_HOLDINGLOCKS		
	30	24
CONVCONRET4_CONSOLEINACTIVE		
	30	4
CONVCONRET8_CONSOLENAMENOTFOUND		
	30	8
CONVCONRSNC_AREAIDINVALID		
	30	C
CONVCONRSNC_NAMEISRESERVED		
	30	C
CONVCONRSN0_AREAIDVALID		
	30	0
CONVCONRSN0_BADNAME		
	30	0
CONVCONRSN10_AREAIDWRONGLENGTH		
	30	10
CONVCONRSN8_INVALIDSYNTAX		
	30	8
CONVFLD	8	
CONVFLGS	5	
CONVGFLG	20	
CONVGLEN	30	34
CONVID	1C	
CONVNAME	14	
CONVNPAR	20	80
CONVPFLD	5	80
CONVPID	5	40
CONVPLEN	30	30
CONVPTR	30	
CONVRID	30	2
CONVRSN	13	
CONVRSV1	6	
CONVRSV3	21	
CONVSMCS	20	40
CONVSP41	30	1
CONVSYSN	28	
CONVVRSN	4	
CONV7730	30	2

CPAB Heading Information

Common Name: Cell Pool Anchor Block
Macro ID: IHACPAB
DSECT Name: CPAB
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: CPAB
Offset: 0
Length: 4
Storage Attributes: Subpool: Any valid subpool and its associated protection key
Key: User specified
Size: 32 bytes
Created by: NIP initialization and IEAVBLDP (build cell pool)
Pointed to by: User (first 32 bytes of the GETMAINed area)
PFSTCPAD field of the GDA data area
Serialization: Provided by user.
Function: Used to define a pre-allocated pool of cells for the get and free quick cell services.

CPAB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CPAB	
0	(0)	SIGNED	4	CPABCPID	CPID FOR THIS POOL (ADDRESS OF THE ORIGINAL CPAB IN AN EXTENSION CPAB)
4	(4)	SIGNED	4	CPABCSZE	SIZE OF EACH CELL
8	(8)	SIGNED	4	CPABDEQC	COUNT OF NUMBER OF CELLS CURRENTLY ALLOCATED FROM THIS POOL SEGMENT.
12	(C)	SIGNED	4	CPABFACP	FIRST AVAILABLE CELL POINTER
16	(10)	SIGNED	4	CPABFLGW (0)	FLAG AND COUNT WORD (USED FOR LOCKING A SEGMENT)
16	(10)	CHARACTER	1	CPABSPID	SUBPOOL NUMBER OF POOL (ZERO IN EXTENSION CPABE)
17	(11)	BITSTRING	1	CPABFLGS	FLAGS
		1...		NIPBLDCP	"X'80'" ORIGINAL POOL WAS CREATED DURING NIP AND CANNOT BE DELETED
		.1..		BLDDWORD	"X'40'" CELLS IN THIS POOL MUST BE ALIGNED ON A DOUBLE WORD BOUNDARY.
		..1.		ADELCAND	"X'20'" THIS EXTENT IS A CANDIDATE FOR AUTOMATIC DELETION
		...1		CPABEXTN	"X'10'" FLAGS AN ORIGINAL CPAB (0) OR AN EXTENSION CPAB (1)
		.... 1...		DELETELK	"X'08'" THIS SEGMENT IS IN THE PROCESS OF BEING DELETED
		.... .1..		SERIAL	"X'04'" CALLER HAS GUARANTEED SERIALIZATION
18	(12)	SIGNED	2	CPABUSE#	COUNT OF CONCURRENT OPERATIONS ON THIS SEGMENT
20	(14)	SIGNED	4	CPABSTAD	START ADDRESS OF THIS POOL SEGMENT
24	(18)	SIGNED	4	CPABENAD	END ADDRESS OF THIS POOL SEGMENT
28	(1C)	SIGNED	4	CPABNXTP	PTR TO NEXT CPABE/0
32	(20)	CHARACTER	1	CPABEND (0)	CPAB END
32	(20)	X'20'	0	CPABLEN	"CPABEND-CPAB" LENGTH OF THE CPAB

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CPAB Cross Reference

Name	Hex Offset	Hex Value
ADELCAND	11	20
BLDDWORD	11	40
CPAB	0	
CPABCPID	0	
CPABCSZE	4	
CPABDEQC	8	
CPABENAD	18	
CPABEND	20	
CPABEXTN	11	10
CPABFACP	C	
CPABFLGS	11	
CPABFLGW	10	
CPABLEN	20	20
CPABNXTP	1C	
CPABSPID	10	
CPABSTAD	14	
CPABUSE#	12	
DELETELK	11	8
NIPBLDCP	11	80
SERIAL	11	4

CPMT Heading Information

Common Name: CHANNEL PATH MEASUREMENT TABLE
Macro ID: IRACPMT
DSECT Name: IRACPMT
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: CPMT
Offset: 0
Length: 4
Storage Attributes: Main Storage: ESQA
Subpool: 245
Residency: ABOVE 16M LINE
Size: 12 + 12 X (NUMBER OF CHANNEL PATHS)
Created by: IEAVNP1F
Pointed to by: THE ADDRESS OF THE CPMT IS CONTAINED IN THE -CMCTCPMT- FIELD OF THE CHANNEL MEASUREMENT CONTROL TABLE
Serialization: SRM LOCK
Function: THE CPMT IS USED BY THE SYSTEM RESOURCES MANAGER TO MONITOR THE ACTIVITY ON THE CHANNEL PATHS.

CPMT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	CPMT	
0	(0)	CHARACTER	12	CPMTHDR	
0	(0)	CHARACTER	4	CPMTNAME	ACRONYM 'CPMT'
4	(4)	UNSIGNED	4	CPMTSAMB	STCPS OR SAD SAMPLE COUNT BASE
8	(8)	UNSIGNED	4	CPMTSAMP	STCPS OR SAD SAMPLE COUNT NORMALIZED
12	(C)	CHARACTER	12	CPMTNTRY (*)	ARRAY OF ENTRIES - ONE PER CHPID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	12	CPMTENTY	MAPPING FOR EACH ENTRY
0	(0)	UNSIGNED	4	CPMTBUSB	NUMBER OF TIMES BUSY BASE
4	(4)	UNSIGNED	4	CPMTBUSY	NUMBER OF TIMES BUSY NORMALIZED
8	(8)	SIGNED	2	CPMTUTIL	AGED PERCENT PATH BUSY (PATH UTILIZATION) - PATH OFFLINE IF LESS THAN ZERO
10	(A)	CHARACTER	2	CPMTRSV1	RESERVED

CPMT Cross Reference

Name	Hex Offset	Hex Value
CPMT	0	
CPMTBUSB	0	
CPMTBUSY	4	
CPMTENTY	0	
CPMTHDR	0	
CPMTNAME	0	
CPMTNTRY	C	
CPMTRSV1	A	
CPMTSAMB	4	
CPMTSAMP	8	
CPMTUTIL	8	

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CQE Heading Information

Common Name: Console Queue Element
Macro ID: IEZVD001
DSECT Name: CQE
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Yes
Subpool: 229
Key: 0
Size: 204 bytes
Created by: IEAVMWSV, IEE8B03D, IEAVSWCH
Pointed to by: UCMOUTQ of the UCM Data Area
Serialization: Local and CMS locks
Function: Mapping of the Console Queue Element. Contains information about messages queued to go to particular consoles.

CQE Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	204	CQE	
0	(0)	CHARACTER	4	CQEWQE	CQE ENTRY
0	(0)	BITSTRING	1	CQEFLAG	CONSOLE OUTPUT QUEUE FLAGS
		11..		CQEEOB	END OF CQE BLOCK WHEN BOTH ON
		1...		CQEEOQ	LAST ENTRY ON QUEUE
		.1..		*	NEVER ON ALONE
		..1.		*	RESERVED
		...1		CQEATTOP	START AT TOP OF MLWTO CHAIN
		.... 1...		CQEMLQHC	QUEUED FOR HARDCOPY
		.... .1..		CQEMAJOR	WQE IS MAJOR FOR MLWTO
		.... ..1.		CQEAVAIL	THIS ENTRY NO LONGER NEEDED
		1		CQEENTR	ENTRY EXISTS
1	(1)	ADDRESS	3	CQEWQEA	PTR TO WQE OR NEXT CQE
4	(4)	SIGNED	4	* (4294967345:544870400)	SPACE HOLDER FOR NEXT 49 ENTRIES (X'C8' = 200 BYTES)
200	(C8)	BITSTRING	1	CQEEND	FLAGS FOR LAST CQE ENTRY
201	(C9)	ADDRESS	3	CQEENDA	ADDR OF NEXT CQE

CQE Constants

Len	Type	Value		Name	Description
2	DECIMAL		229	CQESP	COMM TASK PRIVATE
0	BIT	11		KCQEEOB	End of CQE block indicator
4	DECIMAL		204	CQELENG	CQE BLOCK LENGTH

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CQE Cross Reference

Name	Hex Offset	Hex Value
CQE	0	
CQEATTOP	0	10
CQEAVAIL	0	02
CQEEND	C8	
CQEENDA	C9	
CQEENTR	0	01
CQEEOB	0	C0
CQEEOQ	0	80
CQEFLAG	0	
CQEMAJOR	0	04
CQEMLQHC	0	08
CQEWQE	0	
CQEWQEA	1	

CRGASM Programming Interface information

Programming Interface information

CRGASM

End of Programming Interface information

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CRGASM Heading Information

Common Name: Registration Services ASM Declares
Macro ID: CRGASM
DSECT Name: CRGGRMPARMLIST CRGSEIFPARMLIST CRGRRMDPARMLIST CRGDRMPARMLIST CRGXPPARMLIST
Owning Component: Context Services (SCCTX)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: CRGASM defines Registration Service constants, external entries, and parameter list DSECTS for programs written in the 390 ASM language.

CRGASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRGGRMPARMLIST	,
0	(0)	ADDRESS	4	CRGGRMRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGGRMRESOURCEMANAGERNAMEPTR	RM Name Address
8	(8)	ADDRESS	4	CRGGRMRESOURCEMANAGERTOKENPTR	RM Token Address
12	(C)	ADDRESS	4	CRGGRMUNREGISTEROPTIONPTR	Unregister Option Address
16	(10)	ADDRESS	4	CRGGRMRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRGSEIFPARMLIST	,
0	(0)	ADDRESS	4	CRGSEIFRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGSEIFRESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CRGSEIFNOTIFICATIONEXITTYPEPTR	Notification Exit Type Address
12	(C)	ADDRESS	4	CRGSEIFNOTIFICATIONEXITENTRYPTR	Notification Exit Entry Address
16	(10)	ADDRESS	4	CRGSEIFEXITMANAGERNAMEPTR	EM Name Address
20	(14)	ADDRESS	4	CRGSEIFEXITCOUNTPTR	Exit Count Address
24	(18)	ADDRESS	4	CRGSEIFEXITNUMBERARRAYPTR	Exit Number Array Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
28	(1C)	ADDRESS	4	CRGSEIFEXITENTRYARRAYPTR	Exit Entry Array Address
32	(20)	ADDRESS	4	CRGSEIFEXITTYPEARRAYPTR	Exit Type Array Address
36	(24)	ADDRESS	4	CRGSEIFVARIABLEDATA1PTR	Variable Data 1 Address
40	(28)	ADDRESS	4	CRGSEIFVARIABLEDATA2PTR	Variable Data 2 Address
44	(2C)	ADDRESS	4	CRGSEIFVARIABLEDATA3PTR	Variable Data 3 Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRGSEIF1PARMLIST	,
0	(0)	ADDRESS	4	CRGSEIF1RETURNCODEPTR	Return Code Address !
4	(4)	ADDRESS	4	CRGSEIF1RESOURCEMANAGERTOKENPTR	RM Token Address !
8	(8)	ADDRESS	4	CRGSEIF1NOTIFICATIONEXITTYPEPTR	Notification Exit Type Address !
12	(C)	ADDRESS	4	CRGSEIF1NOTIFICATIONEXITENTRYPTR	Notification Exit Entry Address !
16	(10)	ADDRESS	4	CRGSEIF1EXITMANAGERNAMEPTR	EM Name Address !
20	(14)	ADDRESS	4	CRGSEIF1EXITCOUNTPTR	Exit Count Address !
24	(18)	ADDRESS	4	CRGSEIF1EXITNUMBERARRAYPTR	Exit Number Array Address!
28	(1C)	ADDRESS	4	CRGSEIF1EXITENTRYARRAYPTR	Exit Entry Array Address !
32	(20)	ADDRESS	4	CRGSEIF1EXITTYPEARRAYPTR	Exit Type Array Address !
36	(24)	ADDRESS	4	CRGSEIF1VARIABLEDATA1PTR	Variable Data 1 Address !
40	(28)	ADDRESS	4	CRGSEIF1VARIABLEDATA2PTR	Variable Data 2 Address !
44	(2C)	ADDRESS	4	CRGSEIF1VARIABLEDATA3PTR	Variable Data 3 Address !

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRGRRMDPARMLIST	,
0	(0)	ADDRESS	4	CRGRRMDRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CRGRRMDRESOURCEMANAGERNAMEPTR	RM Name Address
8	(8)	ADDRESS	4	CRGRRMDRESOURCEMANAGERTOKENPTR	RM Token Address
12	(C)	ADDRESS	4	CRGRRMDRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRGDRMPARMLIST	,
0	(0)	ADDRESS	4	CRGDRMRETURNCODEPTR	Return Code Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	ADDRESS	4	CRGDRMRESOURCEMANAGERTOKENPTR	RM Token Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRG4GRMPARMLIST	,
0	(0)	ADDRESS	8	CRG4GRMRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4GRMRESOURCEMANAGERNAMEPTR	RM Name Address
16	(10)	ADDRESS	8	CRG4GRMRESOURCEMANAGERTOKENPTR	RM Token Address
24	(18)	ADDRESS	8	CRG4GRMUNREGISTEROPTIONPTR	Unregister Option Address
32	(20)	ADDRESS	8	CRG4GRMRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRG4SEIFPARMLIST	,
0	(0)	ADDRESS	8	CRG4SEIFRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4SEIFRESOURCEMANAGERTOKENPTR	RM Token Address
16	(10)	ADDRESS	8	CRG4SEIFNOTIFICATIONEXITTYPEPTR	Notification Exit Type Address
24	(18)	ADDRESS	8	CRG4SEIFNOTIFICATIONEXITENTRYPTR	Notification Exit Entry Address
32	(20)	ADDRESS	8	CRG4SEIFEXITMANAGERNAMEPTR	EM Name Address
40	(28)	ADDRESS	8	CRG4SEIFEXITCOUNTPTR	Exit Count Address
48	(30)	ADDRESS	8	CRG4SEIFEXITNUMBERARRAYPTR	Exit Number Array Address
56	(38)	ADDRESS	8	CRG4SEIFEXITENTRYARRAYPTR	Exit Entry Array Address
64	(40)	ADDRESS	8	CRG4SEIFEXITTYPEARRAYPTR	Exit Type Array Address
72	(48)	ADDRESS	8	CRG4SEIFVARIABLEDATA1PTR	Variable Data 1 Address
80	(50)	ADDRESS	8	CRG4SEIFVARIABLEDATA2PTR	Variable Data 2 Address
88	(58)	ADDRESS	8	CRG4SEIFVARIABLEDATA3PTR	Variable Data 3 Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRG4RRMDPARMLIST	,
0	(0)	ADDRESS	8	CRG4RRMDRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4RRMDRESOURCEMANAGERNAMEPTR	RM Name Address
16	(10)	ADDRESS	8	CRG4RRMDRESOURCEMANAGERTOKENPTR	RM Token Address
24	(18)	ADDRESS	8	CRG4RRMDRESOURCEMANAGERGLOBALDATAPTR	RM Global Data Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRG4DRMPARMLIST	
0	(0)	ADDRESS	8	CRG4DRMRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CRG4DRMRESOURCEMANAGERTOKENPTR	RM Token Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CRGXPPARMLIST	
0	(0)	ADDRESS	4	CRGXPRETURNCODEPTR	Exit Return Code Address
4	(4)	ADDRESS	4	CRGXPVERSIONPTR	Exit Parameter List Version Number
8	(8)	ADDRESS	4	CRGXPEXITNUMBERPTR	Exit Number Address
12	(C)	ADDRESS	4	CRGXPRESOURCEMANAGERTOKENPTR	Resource Manager Token Address
16	(10)	ADDRESS	4	CRGXPREGSERVEXITMANAGERNAMEPTR	Registration Services Exit Manager Name Address
20	(14)	ADDRESS	4	CRGXPRESOURCEMANAGERGLOBALDATAPTR	Resource Manager Global Data Address
24	(18)	ADDRESS	4	CRGXPEXITMANAGERNAMEPTR	Exit Manager Name Address
28	(1C)	ADDRESS	4	CRGXPVALUE1PTR	Value 1 Address
32	(20)	ADDRESS	4	CRGXPVALUE2PTR	Value 2 Address
36	(24)	ADDRESS	4	CRGXPVALUE3PTR	Value 3 Address
40	(28)	ADDRESS	4	CRGXPVALUE4PTR	Value 4 Address
44	(2C)	ADDRESS	4	CRGXPVALUE5PTR	Value 5 Address

CRGASM Cross Reference

Name	Hex Offset	Hex Value
CRGDRMPARMLIST	0	
CRGDRMRESOURCEMANAGERTOKENPTR	4	
CRGDRMRETURNCODEPTR	0	
CRGGRMPARMLIST	0	
CRGGRMRESOURCEMANAGERGLOBALDATAPTR	10	
CRGGRMRESOURCEMANAGERNAMEPTR	4	
CRGGRMRESOURCEMANAGERTOKENPTR	8	
CRGGRMRETURNCODEPTR	0	
CRGGRMUNREGISTEROPTIONPTR	C	
CRGRRMDPARMLIST	0	
CRGRRMDRESOURCEMANAGERGLOBALDATAPTR	C	
CRGRRMDRESOURCEMANAGERNAMEPTR	4	
CRGRRMDRESOURCEMANAGERTOKENPTR	8	
CRGRRMDRETURNCODEPTR	0	
CRGSEIFEXITCOUNTPTR	14	
CRGSEIFEXITENTRYARRAYPTR	1C	
CRGSEIFEXITMANAGERNAMEPTR	10	
CRGSEIFEXITNUMBERARRAYPTR	18	
CRGSEIFEXITTYPEARRAYPTR	20	
CRGSEIFNOTIFICATIONEXITENTRYPTR	C	
CRGSEIFNOTIFICATIONEXITTYPEPTR	8	
CRGSEIFPARMLIST	0	

Name	Hex Offset	Hex Value
CRGSEIFRESOURCEMANAGERTOKENPTR	4	
CRGSEIFRETURNCODEPTR	0	
CRGSEIFVARIABLEDATA1PTR	24	
CRGSEIFVARIABLEDATA2PTR	28	
CRGSEIFVARIABLEDATA3PTR	2C	
CRGSEIF1EXITCOUNTPTR	14	
CRGSEIF1EXITENTRYARRAYPTR	1C	
CRGSEIF1EXITMANAGERNAMEPTR	10	
CRGSEIF1EXITNUMBERARRAYPTR	18	
CRGSEIF1EXITTYPEARRAYPTR	20	
CRGSEIF1NOTIFICATIONEXITENTRYPTR	C	
CRGSEIF1NOTIFICATIONEXITTYPEPTR	8	
CRGSEIF1PARMLIST	0	
CRGSEIF1RESOURCEMANAGERTOKENPTR	4	
CRGSEIF1RETURNCODEPTR	0	
CRGSEIF1VARIABLEDATA1PTR	24	
CRGSEIF1VARIABLEDATA2PTR	28	
CRGSEIF1VARIABLEDATA3PTR	2C	
CRGXPEXITMANAGERNAMEPTR	18	
CRGXPEXITNUMBERPTR	8	
CRGXPPARMLIST	0	
CRGXPREGSERVEXITMANAGERNAMEPTR	10	
CRGXPRESOURCEMANAGERGLOBALDATAPTR	14	
CRGXPRESOURCEMANAGERTOKENPTR	C	
CRGXPRETURNCODEPTR	0	
CRGXPVALUE1PTR	1C	
CRGXPVALUE2PTR	20	
CRGXPVALUE3PTR	24	
CRGXPVALUE4PTR	28	
CRGXPVALUE5PTR	2C	
CRGXPVERSIONPTR	4	
CRG4DRMPARMLIST	0	
CRG4DRMRESOURCEMANAGERTOKENPTR	8	
CRG4DRMRETURNCODEPTR	0	
CRG4GRMPARMLIST	0	
CRG4GRMRESOURCEMANAGERGLOBALDATAPTR	20	
CRG4GRMRESOURCEMANAGERNAMEPTR	8	
CRG4GRMRESOURCEMANAGERTOKENPTR	10	
CRG4GRMRETURNCODEPTR	0	
CRG4GRMUNREGISTEROPTIONPTR	18	
CRG4RRMDPARMLIST	0	
CRG4RRMDRESOURCEMANAGERGLOBALDATAPTR	18	
CRG4RRMDRESOURCEMANAGERNAMEPTR	8	
CRG4RRMDRESOURCEMANAGERTOKENPTR	10	
CRG4RRMDRETURNCODEPTR	0	
CRG4SEIFEXITCOUNTPTR	28	
CRG4SEIFEXITENTRYARRAYPTR	38	
CRG4SEIFEXITMANAGERNAMEPTR	20	
CRG4SEIFEXITNUMBERARRAYPTR	30	
CRG4SEIFEXITTYPEARRAYPTR	40	
CRG4SEIFNOTIFICATIONEXITENTRYPTR	18	
CRG4SEIFNOTIFICATIONEXITTYPEPTR	10	
CRG4SEIFPARMLIST	0	
CRG4SEIFRESOURCEMANAGERTOKENPTR	8	
CRG4SEIFRETURNCODEPTR	0	
CRG4SEIFVARIABLEDATA1PTR	48	
CRG4SEIFVARIABLEDATA2PTR	50	
CRG4SEIFVARIABLEDATA3PTR	58	

CRW Heading Information

Common Name: CRW - Channel Report Word
Macro ID: IHACRW
DSECT Name: CRW
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID: none
Storage Attributes: Subpool: 245
Key: 0
Size: 4 bytes
Created by: IOSRACRW when obtaining hardware pending CRWs and modules that create software CRWs.
Pointed to by: The CRW is contained in field CRWQCRW of the CRWQ area.
Serialization: None
Function: The CRW maps the hardware defined channel error-related information used by I/O recovery.

CRW Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	4	CRW	
		1...		*	Reserved
		.1..		CRWS	S flag
		..1.		CRWR	CRW overflow condition
		...1		CRWC	Additional CRW's chained
		 1111		CRWRSC	Reporting Source Code
1	(1)	1...		CRWA	Ancillary-Report bit
		.1..		CRWI	Image
		..11 1111		CRWERC	Error Recovery Code
2	(2)	UNSIGNED	2	CRWRSID	Reporting Source Identifier
2	(2)	UNSIGNED	2	CRWRSSCH	Subchannel number
2	(2)	UNSIGNED	1	CRWRSCSS	Channel subsystem image id
3	(3)	UNSIGNED	1	CRWRSCHP	Channel path ID
		11..		*	Reserved
		..11		CRWRSSID	Subchannel set id
		.... 1...		*	Reserved
		.... .111		CRWRSISC	Interrupt Subclass

CRW Constants

Len	Type	Value	Name	Description
		Comment		
		Constants associated with CRWRSC - Reporting Source Code		
		End of Comment		
0	BIT	0010	CRWMF	Monitoring facility
0	BIT	0011	CRWSCH	Subchannel Recovery
0	BIT	0100	CRWCHPID	Channel Path ID
0	BIT	1001	CRWCAF	Configuration-alert facility
0	BIT	1011	CRWCHSUB	Channel Subsystem

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CRW Cross Reference

Len	Type	Value	Name	Description
		Comment		
		Constants associated with CRWERC - Error Reporting Code		
		End of Comment		
0	BIT	000000	CRWINFOP	Event-Information pending
0	BIT	000001	CRWAVAIL	Available state
0	BIT	000010	CRWINIT	Initialized state
0	BIT	000011	CRWTEMP	Temporary error
0	BIT	000100	CRWIINIT	Installed parameters initialized
0	BIT	000101	CRWTERM	Terminal
0	BIT	000110	CRWPERMN	Permanent error with facility not initialized
0	BIT	000111	CRWPERMI	Permanent error with facility initialized
0	BIT	001000	CRWIPM	Installed parameters modified
		Comment		
		Constants associated with CRWERC - Software Generated		
		End of Comment		
0	BIT	111111	CRWFCHP	Force CHP- offline
0	BIT	111110	CRWHREC	HOT CHP- Recover CHP
0	BIT	111101	CRWHOFF	HOT CHP- Force CHP
0	BIT	111100	CRWRSTE	Reset Notification
0	BIT	111011	CRWLERC	Link error recovery

CRW Cross Reference

Name	Hex Offset	Hex Value
CRW	0	
CRWA	1	80
CRWC	0	10
CRWERC	1	3F
CRWI	1	40
CRWR	0	20
CRWRSC	0	0F
CRWRSCHP	3	
CRWRSCSS	2	
CRWRSID	2	
CRWRSISC	3	07
CRWRSSCH	2	
CRWRSSID	3	30
CRWS	0	40

CRWQ Heading Information

Common Name: Channel Recovery Word Queuing Element
Macro ID: IOSDCRWQ
DSECT Name: CRWQ
Owning Component: IOS (SC1C3)
Eye-Catcher ID: CRWQ
Offset: 0
Length: 4
Storage Attributes: Main Storage: YES
Virtual Storage: n/a
Auxiliary Storage: n/a
Subpool: 245
Key: 0
Residency: Above 16MB line
Size: 420 bytes.
Created by: IOSRACRW when obtaining the hardware pending CRWs. By IOS modules when they create software CRWs.
Pointed to by: CHRCHPCR field of the CHRB data area for channel path CRWs.
Serialization: For Subchannel Recovery, the UCB lock. For channel path, the channel path IOS SYNCH lock.
Function: The CRWQ contains all the data and pointers needed by IOS modules to perform Subchannel and Channel Path recovery.

CRWQ Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	436	CRWQ	
0	(0)	CHARACTER	48	CRWQFLD1	
0	(0)	CHARACTER	4	CRWQID	Acronym ('CRWQ')
4	(4)	ADDRESS	4	CRWQNEXT	Pointer to next CRWQ
8	(8)	CHARACTER	4	CRWQCRW	CRW
12	(C)	SIGNED	4	CRWQSQNO	Sequence number of this CRW
16	(10)	CHARACTER	8	CRWQASCR	Associated CRW data (4294967299:540226848)
16	(10)	SIGNED	4	CRWQASNO	Associated sequence number
20	(14)	CHARACTER	4	CRWQDATA	Additional data - module usage
40	(28)	BITSTRING	1	CRWQFLG1	Flag byte
		1...		CRWQSIML	If ON, simulated CRW
		.1..		CRWQSOFT	If ON, the CRW in CRWQCRW is a software generated CRW. The ERC (CRWERC) field is defined by the constants in this mapping macro.
		..1.		CRWQHUNG	If ON, the CRWQDATA(1) field contains a related CRW.
		...1		CRWQSCBV	If ON, the CRWQSCIB field contains valid SCHIB data.
		.... 1...		CRWQECBA	If ON, the CRWQFECB field contains an ECB address.
		.... .1..		CRWQSCHW	If ON, a subchannel recovery process, described by this CRWQ, is waiting for the completion of channel path recovery.
		.... ..1.		CRWQUCBV	If ON, the CRWQUCBA field contains the address of the UCB corresponding to the subchannel identified by the CRW in CRWQDATA.
		1		CRWQCMPL	If ON, this CRWQ has been processed.
41	(29)	UNSIGNED	1	CRWQSP	Subpool of CRWQE

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CRWQ Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
42	(2A)	SIGNED	2	CRWQLENG	Length of CRWQE
44	(2C)	BITSTRING	1	CRWQFLG2	Flag byte
		1...		CRWQNCON	State of UCBNOCON
		.1..		CRWQMSG	Message must be issued for software CRW
		..1.		CRWQTHRD	If the CRWQ element represents a software generated CRW, this bit indicates that the CRW should be treated like a hardware generated CRW.
		...1		CRWQASC2	If ON, the CRWQDATA(2) field contains a related CRW.
		.... 1...		CRWQASC3	If ON, the CRWQDATA(3) field contains a related CRW.
		.... .111		*	Reserved
45	(2D)	CHARACTER	1	CRWQRSV1	Reserved
46	(2E)	ADDRESS	2	CRWQCP	Processor address CRW retreived on
48	(30)	CHARACTER	256	CRWQWORK	256 byte work area
304	(130)	CHARACTER	44	CRWQSRB	SRB
348	(15C)	CHARACTER	52	CRWQFLD2	Recovery dependent data field
348	(15C)	CHARACTER	52	CRWQSCIB	SCHIB data for subchannel recovery
348	(15C)	CHARACTER	28	CRWQCHPA	CHPA data for channel path recovery
376	(178)	ADDRESS	4	CRWQUCBA	UCB common segment address - matches subchannel in CRW in CRWQDATA
400	(190)	CHARACTER	4	CRWQFECB	ECB address
404	(194)	ADDRESS	4	CRWQASCB	ASCB for ECB (zero if masters address space is to be posted
408	(198)	CHARACTER	12	CRWQLEIB	Link error information data
420	(1A4)	CHARACTER	8	CRWQPIN	Pin token for UCB
428	(1AC)	CHARACTER	8	CRWQSTKN	STOKEN for software CRWs that require cross memeory post

CRWQ Cross Reference

Name	**Hex Offset**	**Hex Value**
CRWQ	0	
CRWQASCB	194	
CRWQASCR	10	
CRWQASC2	2C	10
CRWQASC3	2C	08
CRWQASNO	10	
CRWQCHPA	15C	
CRWQCMPL	28	01
CRWQCP	2E	
CRWQCRW	8	
CRWQDATA	14	
CRWQECBA	28	08
CRWQFECB	190	
CRWQFLD1	0	
CRWQFLD2	15C	
CRWQFLG1	28	
CRWQFLG2	2C	
CRWQHUNG	28	20
CRWQID	0	
CRWQLEIB	198	
CRWQLENG	2A	
CRWQMSG	2C	40
CRWQNCON	2C	80
CRWQNEXT	4	
CRWQPIN	1A4	
CRWQRSV1	2D	
CRWQSCBV	28	10
CRWQSCHW	28	04
CRWQSCIB	15C	
CRWQSIML	28	80
CRWQSOFT	28	40
CRWQSP	29	
CRWQSQNO	C	
CRWQSRB	130	
CRWQSTKN	1AC	
CRWQTHRD	2C	20
CRWQUCBA	178	
CRWQUCBV	28	02
CRWQWORK	30	

CSCB Heading Information

Common Name: COMMAND SCHEDULING CONTROL BLOCK
Macro ID: IEECHAIN
DSECT Name: CHAIN
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: CSCB for the CSCB
CSCX for the CSCB extension
Offset: CSCB: 216
CSCX: 0
Length: CSCB: 4
CSCX: 4
Storage Attributes: Subpool: 241 for the CSCB, 245 for the CSCX
Key: 0
Residency: The CSCB is above the 16M line by default, but may be specified as below the 16M line during system initialization. The CSCX is below the 16M line.
Size: 256 bytes for the CSCB
36 bytes for the CSCX
Created by: Callers of the GETCSCB service.
Pointed to by: ASCBCSCB FIELD OF THE ASCB DATA AREA
BACHN FIELD OF THE BASEA DATA AREA
CHPTR FIELD OF THE CSCB DATA AREA
CHPREVP FIELD OF THE CSCB DATA AREA
CHCSCBP FIELD OF THE CSCX DATA AREA
JSCBCSCB FIELD OF THE JSCB DATA AREA
LCTQDRTY FIELD OF THE LCT DATA AREA
Serialization: ENQ on major SYSIEFSD minor Q10
Function: Contains run time job description data passed to command execution routines from command scheduling routines.

CSCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	256	CHAIN	
0	(0)	ADDRESS	4	CHPTR	CHAIN PTR TO NEXT CSCB
4	(4)	CHARACTER	4	CHFLG	FOUR BYTES
4	(4)	CHARACTER	1	CHVCD	COMMAND VERB CODE - FOR DIRECT COMMAND INVOCATION SEE CHDIRINV
5	(5)	ADDRESS	1	CHSZE	SIZE OF THIS CSCB IN DOUBLE WORDS
6	(6)	CHARACTER	1	CHSTS	STATUS FLAGS
		1...		CHAP	ASSIGNMENT PENDING
		.1..		CHINFMT	CSCB IN PRE-INTERPRETATION (INPUT) FORMAT
		..1.		CHSOUT	CANCEL ALL SYSOUT
		...1		CHQSPC	INSUFFICIENT Q SPACE FOR 422 ABEND
		.... 1...		CHAD	ADD THIS CSCB TO CHAIN
		.... .1..		CHDL	DELETE THIS CSCB FROM CHAIN
		.... ..1.		CHFC	FREE THIS CSCB'S CORE
		1		CHABTERM	EXECUTE BRANCH ENTRY TO ABTERM
7	(7)	CHARACTER	1	CHACT	FLAGS INDICATING ACTIVITY INVOLVED
		1...		CHSWAP	SWAPPABLE JOB
		.1..		CHTERM	TERMINAL JOB
		..1.		CHDISC	CANCEL IMPLIES DISCONNECT
		...1		CHDSI	ON MEANS NO DATA SET INTEGRITY (OS/VS1) MDC045
		.... 1...		CHCL	CANCELABLE JOB STEP
		.... .1..		CHCLD	CANCEL COMMUNICATION SWITCH

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Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		CHAIFX	CANCELABLE (OS/VS1)
		.... ..1.		CHPOSTSS	POST EARLY ADDRESS SPACE (MDC313)
		1		CHIFY	SYSTEM ASSIGNED PROCEDURE (OS/VS1)
		1		CHAFORCE	CANCEL ISSUED FOR THIS CSCB (FORCE COMMAND CAN BE ACCEPTED) (OS/VS2) (MDC301)
8	(8)	CHARACTER	8	CHKEY	1. ID OF A STARTED TASK (THIS ID IS THE TASK'S STEPNAME) 2. JOBNAME OF AN EXECUTED JOB. 3. Name of the ATX
8	(8)	ADDRESS	4	CHPARM	POINTER TO PARAMETER LIST USED FOR COMMUNICATION BETWEEN SVC 34 COMMANDS AND MASTER SCHEDULER TASK (OS/VS1) MDC040
		1...		CHPCOI	SUBSYSTEM COMMAND INDICATOR (MDC300)
16	(10)	CHARACTER	8	CHCLS	1.PROCNAME OF A STARTED TASK (THE PROCNAME IS THE TASK'S JOBNAME.) 2. JOBNAME OF AN EXECUTED JOB (SAME AS CHKEY)
24	(18)	CHARACTER	3	CHUNIT	UNITNAME (set for started tasks only) This field is not valid for 4-digit device numbers. Use CHUNIT4 instead
27	(1B)	ADDRESS	1	CHCIBCTR	MAXIMAL NUMBER OF QUEUED CIB'S
28	(1C)	CHARACTER	1	CHPKE	PROTECT KEY (0S/VS1) ICB345
28	(1C)	CHARACTER	1	CHTRKID	CSCB TYPE IDENTIFIER
29	(1D)	CHARACTER	1	CHRSV3	Reserved - was CHUCMP (The 1-byte console id that issued the command) Use CHCNSIDI instead.
30	(1E)	SIGNED	2	CHTJID	TERMINAL ID (OS/VS1)
30	(1E)	SIGNED	2	CHASID	ADDRESS SPACE ID (ASID) (OS/VS2) MDC018
32	(20)	CHARACTER	8	CHPROCSN	PROCEDURE STEP NAME (OS/VS2) (MDC049) YM6960
32	(20)	SIGNED	2	CHQID	QID OF REMOTE USER (OS/VS1) ICB384
34	(22)	UNSIGNED	1	CHRES	RESERVED (WAS CHVERSN)
35	(23)	BITSTRING	1	CHACT1	COMMAND DEPENDENT FLAG BYTE (SEE END OF LISTING)
36	(24)	CHARACTER	4	CHRTOKIN	31 BIT RIGHT JUSTIFIED TOKEN (MDC313)
40	(28)	CHARACTER	144	CHASM	

Comment

BEGINNING OF OVERLAY SEGMENT
BEGINNING OF CONTROL FORMAT MAPPING AFTER
INTERPRETATION OF COMMAND OPERANDS

End of Comment

40	(28)	ADDRESS	4	CHRES1	RESERVED (WAS POINTER TO STOP MODIFY ECB)
44	(2C)	ADDRESS	4	CHRES2	RESERVED (WAS CIB PTR)
48	(30)	ADDRESS	4	CHRES0	RESERVED (WAS CHRTOKEN)
52	(34)	ADDRESS	4	CHRGNAD	STARTING ADDRESS OF REGION IF V=R (OS/VS2) MDC002
56	(38)	SIGNED	4	CHRES3	RESERVED (WAS STOP/MODIFY ECB)
60	(3C)	SIGNED	4	CHCECB	CANCEL ECB
64	(40)	CHARACTER	8	CHSTEP	STEPNAME (OS/VS2) (MDC050) YM6960
64	(40)	CHARACTER	1	CHSWT	COMMUNICATIONS SWITCHES (OS/VS1)
		1...		CHARSV20	RESERVED
		.1..		CHJCT	READER RETURN WITH IN-CORE JCT
		..1.		CHPSD	WRITER PAUSE DATASET
		...1		CHPSF	WRITER PAUSE FORMS
		.... 1...		CHAC	ID SPECIFIED ON S COMMAND
		.... .1..		CHARSV21	RESERVED
		.... ..1.		CHARSV22	RESERVED
		1		CHARSV23	RESERVED
65	(41)	ADDRESS	3	CHTCB	TCB PTR (OS/VS1)
68	(44)	ADDRESS	4	CHSPB	TCB PTR FOR ABTERM (OS/VS1)
72	(48)	SIGNED	4	CHRGNSZ	JOB REGION SIZE IF V=R (OS/VS2) (MDC314)
76	(4C)	SIGNED	4	CHARSV40	RESERVED AFTER IEFSD161 (MDC314)
76	(4C)	ADDRESS	4	CHJCL	JCLS PTR -- IN-CORE JCT PTR -- DA JCT TTR (MDC314)
80	(50)	CHARACTER	104	*	PRESERVE DECLARE STRUCTURE
80	(50)	CHARACTER	4	CHRES4	RESERVED (WAS CHCSIDSH)
84	(54)	BITSTRING	4	CHRES8	RESERVED (WAS CHCMFLSH)
88	(58)	CHARACTER	28	*	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
88	(58)	CHARACTER	28	*	RESERVED
116	(74)	SIGNED	4	CHSQA (4294967305:5448835761)	SYSOUT Q MANAGER PARAMETER AREA NOTE--THIS SQPA EXISTS IN OS/VS2 CSCB'S ONLY BEFORE INITIATOR JOB SELECT TIME.
152	(98)	SIGNED	4	*	TENTH WORD OF CHSQA (OS/VS1) RESERVED (OS/VS2) MDC022,MDC023
156	(9C)	SIGNED	4	*	ELEVENTH WORD OF CHSQA (OS/VS1) RESERVED (OS/VS2) MDC022,MDC024
160	(A0)	SIGNED	4	CHUSCVS	TIOT LENGTH (OS/VS1) MDC025
164	(A4)	ADDRESS	4	CHJSCBVS	JSCB POINTER (OS/VS1) MDC026
168	(A8)	ADDRESS	4	CHSAVWD1	START CMD. TEMP. S/A 1 (MDC311)
172	(AC)	SIGNED	4	CHSAVWD2	RESERVED (MDC314)
176	(B0)	BITSTRING	1	CHJBFLGS	FLAGS FOR STARTED JOBS
		1...		CHJBSTRT	JOBNAME= WAS SPECIFIED ON START COMMAND
		.1..		CHISJOB	MEMBER BEING STARTED WAS A JOB
		..11 1111		CHJBRSV1	RESERVED
177	(B1)	CHARACTER	3	*	RESERVED
180	(B4)	BITSTRING	4	*	SAME AS FIELD CHCMFLGS
184	(B8)	CHARACTER	40	CHRESG	USED TO RETURN PROPER LENGTH
224	(E0)	CHARACTER	8	CHMEMNAM	MEMBER NAME STARTED WITH JOBNAME=
232	(E8)	CHARACTER	4	CHRESF	USED TO RETURN THE PROPER LENGTH FOR THE LENGTH FUNCTION
236	(EC)	CHARACTER	4	*	Do not use - maps chunit
240	(F0)	ADDRESS	4	*	Do not use-maps chsttxta
244	(F4)	CHARACTER	12	CHRESH	Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
40	(28)	STRUCTURE	216	CHAINS01	

Comment

BEGINNING OF INPUT FORMAT MAPPING BEFORE INTERPRETATION OF COMMAND OPERANDS

End of Comment

40	(28)	CHARACTER	124	CHBUF	COMMAND IMAGE (OPERAND FIELD)
40	(28)	ADDRESS	4	CHLOGOPS	POINTER TO MCS LOGON OPERANDS
164	(A4)	SIGNED	4	CHRIMWT	ECB FOR NIP RIM TO WAIT ON (MDC313)
164	(A4)	CHARACTER	1	CHTYPE	FLAGS (MDC313)
		1...		CHDSTAT	STATUS DISPLAY (SVC 104) CMD (MDC313)
		.1..		CHARSV25	RESERVED (MDC313)
		..1.		CHARSV26	RESERVED (MDC313)
		...1		CHARSV27	RESERVED (MDC313)
		.... 1...		CHARSV28	RESERVED (MDC313)
		.... .1..		CHARSV29	RESERVED (MDC313)
		.... ..1.		CHHIAR	ON MEANS H1 SPECIFIED ON COMMAND (MDC313)
		1		CHDEF	ON MEANS DEFAULT TO H0 (MDC313)
165	(A5)	CHARACTER	2	CHRSV4	Reserved - contained CHCNID (display/receiving console id) Use CHCNSIDT instead
167	(A7)	CHARACTER	1	CHARID	DISPLAY SCREEN-AREA ID (MDC313)
168	(A8)	ADDRESS	4	CHPEND	CHAIN PTR FOR PENDING START COMMANDS (OS/VS1)
168	(A8)	SIGNED	4	CHASWT	ECB FOR INITIALIZATION TO WAIT ON
172	(AC)	ADDRESS	2	CHINC	UNIQUE CTR FOR INTERPRETER OR FOR OS/VS2, COMMAND AUTHORITY FOR VARY COMMAND ISSUED FROM THE INPUT STREAM MDC047
174	(AE)	CHARACTER	1	CHCSYSO	EXPRESS CANCEL SYSOUT(OS/VS1)
		1...		CHALL	ALL SPECIFIED
		.1..		CHINN	IN SPECIFIED
		..1.		CHOUT	OUT SPECIFIED
		...1		CHHOLD	HOLD Q SPECIFIED
		.... 1...		CHQUE	SPECIFIC QUEUE

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		CHDUMP	DUMP SPECIFIED
		.... ..1.		CHJB	END SCAN SWITCH
		1		CHUSERID	INDICATES 'USER=' SPECIFIED ON CANCEL COMMAND (OS/VS1) ICB396
175	(AF)	CHARACTER	1	CHSPA	OS/VS1 SYSTEM TASK CONTROL SWITCHES
176	(B0)	CHARACTER	4	CHRES5	RESERVED (WAS CHCSCBID)

Comment

THE FOLLOWING FIELDS ARE COPIED DIRECTLY FROM THE SVC 34 XSA. THE FIELD NAMES ARE IDENTICAL EXCEPT FOR THE FIRST TWO CHARACTERS WHICH ARE XA IN THE XSA (MAPPED BY MACRO IEEXSA).

End of Comment

180	(B4)	BITSTRING	4	CHCMFLGS	COPY OF SVC34 COMMAND FLAGS
180	(B4)	BITSTRING	2	CHCMFLGA	SEE XSA DESCRIPTION
180	(B4)	BITSTRING	1	CHCMFLG1	SEE XSA DESCRIPTION
		1...		CHCMF11	SEE XSA DESCRIPTION
		.1..		CHCMF12	SEE XSA DESCRIPTION
		..1.		CHCMF13	SEE XSA DESCRIPTION
		...1		CHCMF14	SEE XSA DESCRIPTION
		.... 1...		CHCMF15	SEE XSA DESCRIPTION
		.... .1..		CHCMF16	SEE XSA DESCRIPTION
		.... ..1.		CHCMF17	SEE XSA DESCRIPTION
		1		CHCMF18	SEE XSA DESCRIPTION
181	(B5)	BITSTRING	1	CHCMFLG2	SEE XSA DESCRIPTION
		1...		CHCMF21	SEE XSA DESCRIPTION
		.1..		CHCMF22	SEE XSA DESCRIPTION
		..1.		CHCMF23	SEE XSA DESCRIPTION
		...1		CHCMF24	SEE XSA DESCRIPTION
		.... 1...		CHCMF25	SEE XSA DESCRIPTION
		.... .1..		CHCMF26	SEE XSA DESCRIPTION
		.... ..1.		CHCMF27	SEE XSA DESCRIPTION
		1		CHCMF28	SEE XSA DESCRIPTION
182	(B6)	BITSTRING	2	CHCMFLGB	SEE XSA DESCRIPTION
182	(B6)	BITSTRING	1	CHCMFLG3	SEE XSA DESCRIPTION
183	(B7)	BITSTRING	1	CHCMFLG4	SEE XSA DESCRIPTION
		1...		*	SEE XSA DESCRIPTION
		.1..		CHTJY	See XSA Description
		..1.		*	See XSA Description
		...1		CHCMFL44	SEE XSA DESCRIPTION
		...1		CHRTDM	SEE XSA DESCRIPTION
		.... 11..		*	Reserved
		.... ..1.		CHNOBY	See XSA description
		1		*	Reserved

Comment

THE CHAUTH FIELD MUST BE EXACTLY MAPPED BY THE XAAUTH FIELD IN THE XSA (IEEXSA).

End of Comment

184	(B8)	CHARACTER	2	CHAUTH	COMMAND CODE AUTHORITY
184	(B8)	BITSTRING	1	CHAUTHA	1ST BYTE OF COMMAND CODE
		1...		CHAUTH1	COMMAND GROUP 1 (SYS)
		.1..		CHAUTH2	COMMAND GROUP 2 (I/O)
		..1.		CHAUTH3	COMMAND GROUP 3 (CONS)
		...1 1111		*	RESERVED
185	(B9)	BITSTRING	1	CHAUTHB	2ND BYTE OF COMMAND CODE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
		THE CHDISP FIELD MUST BE EXACTLY MAPPED BY THE XADISP FIELD IN THE XSA (IEEXSA).			
		End of Comment			
186	(BA)	CHARACTER	1	CHDISP	AUTHORITY OF COMMAND
		1...		CHDISPA	COMMAND HAS MASTER AUTHORITY IBM RECOMMENDS THE USE OF CHDISPM INSTEAD OF CHDISPA THIS BIT NEVER CAN GO AWAY!
		.1..		CHDISPM	COMMAND HAS MASTER AUTHORITY
		..1.		CHDISPC	COMMAND ISSUED FROM MCS CONSOLE
		...1		CHDISPR	COMMAND ISSUED BEFORE RACF ACTIVE
		.... 1...		CHDISPE	COMMAND ISSUED BY ARM
		.... .111		*	RESERVED
187	(BB)	CHARACTER	1	CHFLGS	FLAGS
		1...		CHPMSI	COMMAND WAS ISSUED BEFORE MSI COMPLETE
		.1..		CHBIGRP	BYPASS INITIATOR GET REGION PROCESSING
		..1.		CHNOALC	Bypass setup of Allocation Environment
		...1 1111		*	RESERVED
188	(BC)	ADDRESS	4	CHUTOK	POINTER TO COMMAND ISSUER UTOKEN
192	(C0)	UNSIGNED	4	CHCNSIDT	TARGET CONSOLE ID
196	(C4)	UNSIGNED	4	CHCNSIDI	ISSUING CONSOLE ID
200	(C8)	CHARACTER	8	CHCART	COMMAND AND RESPONSE TOKEN(CART)
208	(D0)	UNSIGNED	1	CHRSV1	RESERVED
209	(D1)	UNSIGNED	1	CHVERSN	CSCB VERSION ID
210	(D2)	CHARACTER	2	CHRES7	RESERVED
212	(D4)	ADDRESS	4	CHPREVP	PREVIOUS CSCB POINTER
216	(D8)	CHARACTER	4	CHCSCBID	CSCB ACRONYM
220	(DC)	ADDRESS	4	CHCSCXP	POINTER TO THE CSCX
224	(E0)	CHARACTER	4	CHDITOKN	CALLERS TOKEN FOR DIRECT COMMAND INVOCATION
228	(E4)	UNSIGNED	4	CHOCID	ORIGINATING CONSOLE ID
232	(E8)	CHARACTER	4	CHRSV2	RESERVED
236	(EC)	CHARACTER	4	CHUNIT4	UNITNAME (SET FOR STARTED TASKS ONLY)
240	(F0)	ADDRESS	4	CHSTTXTA	POINTER TO SCTS(IEEZB884)
244	(F4)	CHARACTER	8	CHOSYSN	Original issuing system name
252	(FC)	CHARACTER	4	CHRESV	Reserved
		Comment			
		END OF INPUT FORMAT MAPPING BEFORE INTERPRETATION OF COMMAND OPERANDS			
		End of Comment			
256	(100)	CHARACTER	0	CHLAST	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
35	(23)	STRUCTURE	1	CHVARY	VARY DEVICE AND CONSOLE FLAG BYTE
		1...		CHVDIENQ	PERFORM ENQS AND DEQ ON DIRECT INVOCATION OF VARY (VALID ONLY IF CHVCD=0)
		.1..		CHVSUNPM	SUPPRESS 'NO PATHS' MESSAGE
		..1.		CHSMSVL	VARY FOR SMS LIBRARY
		...1		CHVRSV2	RESERVED
		.... 1...		CHVRSV3	RESERVED
		.... .1..		CHVRSV4	RESERVED
		.... ..1.		CHVRSV5	RESERVED
		1		CHVRSV6	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	36	CSCX	CSCX DSECT
0	(0)	CHARACTER	4	CHCSCXID	CSCX ACRONYM
4	(4)	UNSIGNED	1	CHXVERSN	VERSION LEVEL
5	(5)	CHARACTER	3	CHXRES	RESERVED
8	(8)	ADDRESS	4	CHECBP	POINTER TO STOP/MODIFY ECB
12	(C)	ADDRESS	4	CHCIBP	POINTER TO CIB
16	(10)	CHARACTER	4	CHRTOKEN	31 BIT RIGHT JUSTIFIED TOKEN
		1...		CHRTOKHR	BIT = 1 INDICATES A TOKEN

Comment

THE ABOVE ECB AND CIB POINTERS AND TOKEN FORM @G380P2N
THE COMMUNICATIONS PARAMETER LIST MAPPED BY IEZCOM

End of Comment

20	(14)	SIGNED	4	CHECB	STOP/MODIFY ECB
24	(18)	CHARACTER	8	CHNAME	JOBNAME or ATXname of an TP initiated by APPC
32	(20)	ADDRESS	4	CHCSCBP	ADDRESS OF CSCB

CSCB Constants

Len	Type	Value		Name	Description
				Comment	
		MACRO RELATED DECLARATIONS			
				End of Comment	
4	CHARACTER	CSCB		CHCSIDDC	CSCB ACRONYM CONSTANT
1	DECIMAL		1	CHSP13	VERSION LEVEL OS/VS2 JBB1326
1	DECIMAL		2	CHSP41	VERSION LEVEL HBB4410
1	DECIMAL		3	CHSP42	VERSION LEVEL HBB4420
1	DECIMAL		4	CHSP44	VERSION LEVEL HBB5510
1	DECIMAL		5	CHROALL	VERSION LEVEL W/OW15
1	DECIMAL		5	CHVERID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
1	DECIMAL		0	CHDIRINV	VERB CODE FOR DIRECT COMMAND INVOCATION
4	CHARACTER	CSCX		CHXID	CSCX ACRONYM CONSTANT
1	DECIMAL		1	CXSP41	VERSION LEVEL HBB4410
1	DECIMAL		1	CXVERID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE

CSCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CHABTERM	6	01	CHARSV25	A4	40
CHAC	40	08	CHARSV26	A4	20
CHACT	7		CHARSV27	A4	10
CHACT1	23		CHARSV28	A4	08
CHAD	6	08	CHARSV29	A4	04
CHAFORCE	7	01	CHARSV40	4C	
CHAIFX	7	02	CHASID	1E	
CHAIN	0		CHASM	28	
CHAINS01	28		CHASWT	A8	
CHALL	AE	80	CHAUTH	B8	
CHAP	6	80	CHAUTHA	B8	
CHARID	A7		CHAUTHB	B9	
CHARSV20	40	80	CHAUTH1	B8	80
CHARSV21	40	04	CHAUTH2	B8	40
CHARSV22	40	02	CHAUTH3	B8	20
CHARSV23	40	01	CHBIGRP	BB	40

Name	Hex Offset	Hex Value
CHBUF	28	
CHCART	C8	
CHCECB	3C	
CHCIBCTR	1B	
CHCIBP	C	
CHCL	7	08
CHCLD	7	04
CHCLS	10	
CHCMFLGA	B4	
CHCMFLGB	B6	
CHCMFLGS	B4	
CHCMFLG1	B4	
CHCMFLG2	B5	
CHCMFLG3	B6	
CHCMFLG4	B7	
CHCMFL44	B7	10
CHCMF11	B4	80
CHCMF12	B4	40
CHCMF13	B4	20
CHCMF14	B4	10
CHCMF15	B4	08
CHCMF16	B4	04
CHCMF17	B4	02
CHCMF18	B4	01
CHCMF21	B5	80
CHCMF22	B5	40
CHCMF23	B5	20
CHCMF24	B5	10
CHCMF25	B5	08
CHCMF26	B5	04
CHCMF27	B5	02
CHCMF28	B5	01
CHCNSIDI	C4	
CHCNSIDT	C0	
CHCSCBID	D8	
CHCSCBP	20	
CHCSCXID	0	
CHCSCXP	DC	
CHCSYSO	AE	
CHDEF	A4	01
CHDISC	7	20
CHDISP	BA	
CHDISPA	BA	80
CHDISPC	BA	20
CHDISPE	BA	08
CHDISPM	BA	40
CHDISPR	BA	10
CHDITOKN	E0	
CHDL	6	04
CHDSI	7	10
CHDSTAT	A4	80
CHDUMP	AE	04
CHECB	14	
CHECBP	8	
CHFC	6	02
CHFLG	4	
CHFLGS	BB	
CHHIAR	A4	02
CHHOLD	AE	10
CHIFY	7	01
CHINC	AC	
CHINFMT	6	40
CHINN	AE	40
CHISJOB	B0	40
CHJB	AE	02
CHJBFLGS	B0	
CHJBRSV1	B0	3F
CHJBSTRT	B0	80
CHJCL	4C	
CHJCT	40	40
CHJSCBVS	A4	
CHKEY	8	
CHLAST	100	
CHLOGOPS	28	
CHMEMNAM	E0	
CHNAME	18	
CHNOALC	BB	20
CHNOBY	B7	02
CHOCID	E4	
CHOSYSN	F4	
CHOUT	AE	20
CHPARM	8	
CHPCOI	8	80
CHPEND	A8	
CHPKE	1C	
CHPMSI	BB	80
CHPOSTSS	7	02
CHPREVP	D4	
CHPROCSN	20	
CHPSD	40	20
CHPSF	40	10
CHPTR	0	
CHQID	20	
CHQSPC	6	10
CHQUE	AE	08
CHRES	22	
CHRESF	E8	
CHRESG	B8	
CHRESH	F4	
CHRESV	FC	
CHRES0	30	
CHRES1	28	
CHRES2	2C	
CHRES3	38	
CHRES4	50	
CHRES5	B0	
CHRES7	D2	
CHRES8	54	
CHRGNAD	34	
CHRGNSZ	48	
CHRIMWT	A4	
CHRSV1	D0	
CHRSV2	E8	
CHRSV3	1D	
CHRSV4	A5	
CHRTDM	B7	10
CHRTOKEN	10	
CHRTOKHR	10	80
CHRTOKIN	24	
CHSAVWD1	A8	
CHSAVWD2	AC	
CHSMSVL	23	20
CHSOUT	6	20
CHSPA	AF	
CHSPB	44	
CHSQA	74	
CHSTEP	40	
CHSTS	6	
CHSTTXTA	F0	
CHSWAP	7	80

CSCB Cross Reference

Name	Hex Offset	Hex Value
CHSWT	40	
CHSZE	5	
CHTCB	41	
CHTERM	7	40
CHTJID	1E	
CHTJY	B7	40
CHTRKID	1C	
CHTYPE	A4	
CHUNIT	18	
CHUNIT4	EC	
CHUSCVS	A0	
CHUSERID	AE	01
CHUTOK	BC	
CHVARY	23	
CHVCD	4	
CHVDIENQ	23	80
CHVERSN	D1	
CHVRSV2	23	10
CHVRSV3	23	08
CHVRSV4	23	04
CHVRSV5	23	02
CHVRSV6	23	01
CHVSUNPM	23	40
CHXRES	5	
CHXVERSN	4	
CSCX	0	

CSD Programming Interface information

Programming Interface information

CSD

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

- CSD_CP_MASK
- CSD_CPU_ALIVE
- CSD_IFA_MASK
- CSD_NUMBER_ONLINE_CPUS
- CSD_NUMBER_ONLINE_IFAS
- CSD_NUMBER_ONLINE_STANDARD_CPS
- CSD_NUMBER_ONLINE_zIIPS
- CSD_zIIP_MASK
- CSDCPUAL
- CSDCPUOL
- CSDCPUVF
- CSDRCPT

End of Programming Interface information

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CSD Heading Information

Common Name: COMMON SYSTEM DATA AREA (CSD).
Macro ID: IHACSD.
DSECT Name: CSD.
Owning Component: RECONFIGURATION (SC1CZ).
Eye-Catcher ID: CSD.
Offset: 0
Length: 4
Storage Attributes: Subpool: 245.
Key: 0, NOT FETCH PROTECTED.
Residency: BELOW 16M, SQA.
Size: 312 BYTES.
Created by: IEAVNIP0 DURING NIP.
Pointed to by: CVT FIELDS CVTCSD AND CVTCSDRL.
Serialization: COMPARE AND SWAP.
Function: CONTAINS INFORMATION ABOUT THE PROCESSORS IN THE SYSTEM.

CSD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CSD	
0	(0)	CHARACTER	4	CSDCSD	- CONTROL BLOCK ACRONYM IN EBCDIC
4	(4)	SIGNED	4	CSDCPUJW (0)	CPUS AVAILABLE FOR JOB SCHEDULING INFORMATION WORD. SERIALIZATION - SYSZCSD.CSDCPUJS RESOURCE AND CS. ONLY CS DURING ACR.
4	(4)	BITSTRING	2	CSDCPUJS	- Bit mask of CPUs available for Affinity job scheduling: limited to CPUs 0-15
6	(6)	SIGNED	2		- Reserved: (was CSDCHAD)
8	(8)	SIGNED	4	CSDCPUOW (0)	CPUS ONLINE INFORMATION WORD. SERIALIZATION - SYSZVARY.CPU RESOURCE AND CS. ONLY CS DURING ACR.
8	(8)	BITSTRING	2	CSDSAFF (0)	- BIT MASK OF CPUS AVAILABLE TO PROCESS SERVICE REQUESTS (SRB'S)
8	(8)	BITSTRING	2	CSDCPUAL	- Bit mask of CPUs currently alive. Applies only to CPUs 0-15. See CSD_CPU_ALIVE
10	(A)	SIGNED	2	CSDCPUOL	- Number of CPUs currently alive. This includes CPs, IFAs, and SUPs
12	(C)	BITSTRING	4	CSDSCWRD (0)	- SUPERVISOR CONTROL INFORMATION
12	(C)	BITSTRING	1	CSDSCFL1	- FIRST BYTE OF CSDSCWRD
		1...		CSDRV042	"X'80',,C'X'" - RESERVED
		.1..		CSDSYSND	"X'40'" - SYSTEM-WIDE NON-DISPATCHABILITY BIT. INDICATES ALL ADDRESS SPACES (SRB'S AND TASKS) ARE NON-DISPATCHABLE EXCEPT THOSE WITH EXEMPT STATUS (ASCBXMPT)
		..1.		CSDRV001	"X'20',,C'X'" - RESERVED
		...1		CSDRV002	"X'10',,C'X'" - RESERVED
		.... 1...		CSDRV003	"X'08',,C'X'" - RESERVED
		.... .1..		CSDRV004	"X'04',,C'X'" - RESERVED
		.... ..1.		CSDRV005	"X'02',,C'X'" - RESERVED
		1		CSDRV006	"X'01',,C'X'" - RESERVED
13	(D)	BITSTRING	1	CSDSCFL2	- SECOND BYTE OF CSDSCWRD
		1...		CSDRV007	"X'80',,C'X'" - RESERVED
		.1..		CSDRV008	"X'40',,C'X'" - RESERVED
		..1.		CSDRV009	"X'20',,C'X'" - RESERVED
		...1		CSDRV010	"X'10',,C'X'" - RESERVED
		.... 1...		CSDRV011	"X'08',,C'X'" - RESERVED
		.... .1..		CSDRV012	"X'04',,C'X'" - RESERVED
		.... ..1.		CSDRV013	"X'02',,C'X'" - RESERVED
		1		CSDRV014	"X'01',,C'X'" - RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
14	(E)	BITSTRING	1	CSDSCFL3	- THIRD BYTE OF CSDSCWRD
		1...		CSDRV015	"X'80',,C'X'" - RESERVED
		.1..		CSDRV016	"X'40',,C'X'" - RESERVED
		..1.		CSDRV017	"X'20',,C'X'" - RESERVED
		...1		CSDRV018	"X'10',,C'X'" - RESERVED
		.... 1...		CSDRV019	"X'08',,C'X'" - RESERVED
		.... .1..		CSDRV020	"X'04',,C'X'" - RESERVED
		.... ..1.		CSDRV021	"X'02',,C'X'" - RESERVED
		1		CSDRV022	"X'01',,C'X'" - RESERVED
15	(F)	BITSTRING	1	CSDSCFL4	- FOURTH BYTE OF CSDSCWRD
		1...		CSDRV023	"X'80',,C'X'" - RESERVED
		.1..		CSDRV024	"X'40',,C'X'" - RESERVED
		..1.		CSDRV025	"X'20',,C'X'" - RESERVED
		...1		CSDRV026	"X'10',,C'X'" - RESERVED
		.... 1...		CSDRV027	"X'08',,C'X'" - RESERVED
		.... .1..		CSDRV028	"X'04',,C'X'" - RESERVED
		.... ..1.		CSDRV029	"X'02',,C'X'" - RESERVED
		1		CSDRV030	"X'01',,C'X'" - RESERVED
16	(10)	SIGNED	4		Was CSDAXPOW, CSDAXPAL, CSDAXPOL 2
20	(14)	BITSTRING	2	CSDMF1CP	- BIT MASK OF CPUS VARIED ON OR OFFLINE. MF/1 TESTS THESE FLAGS AT REPORTING INTERVALS FOR CPU VARY ACTIVITY AND THEN RESETS THEM TO ZERO
22	(16)	BITSTRING	1	CSDACR	- VALUE OF X'FF' MEANS ACR IS IN PROGRESS
23	(17)	BITSTRING	1	CSDFLAGS	- FLAG BYTE
		1...		CSDMP	"X'80'" - RESERVED - DO NOT USE
		.1..		CSDSTCHK	"X'40'" - STORAGE CHECK INDICATOR - SET BY RSM WHENEVER IT MARKS A FRAME 'BAD' BECAUSE OF A STORAGE ERROR MACHINE CHECK. IT IS TESTED IN VARY STORAGE ELEMENT OFFLINE PROCESSING.
		..1.		CSDCPUDN	"X'20',,C'X'" - GLOBAL BIT INDICATING CPU INITIALIZATION IS COMPLETE SO THAT OTHER COMPONENTS CAN PERFORM THEIR PROCESSING
		...1		CSDNDPAR	"X'10',,C'X'" - RUNNING IN NON-DEDICATED PARTITION.
		.... 1...		CSDPRCPU	"X'08',,C'X'" - Preserve CPU status
		.... .1..		CSDRV036	"X'04',,C'X'" - RESERVED
		.... ..1.		CSDRV037	"X'02',,C'X'" - RESERVED
		1		CSDRV038	"X'01',,C'X'" - RESERVED

Comment

delete CSDMAFF - no longer referenced, length of 80 bytes.
the space is reused by the following fields, down to the reserved field defining the remaining unused space

End of Comment

24	(18)	DBL WORD	8	CSD_CPU_ALIVE	CPU alive data on double word boundary for compare and swap
24	(18)	X'18'	0	CSD_CPU_ALIVE32	"CSD_CPU_ALIVE,4,C'X'" 32-bit mask for processors 0-31
24	(18)	X'18'	0	CSD_CPU_ALIVE0TO31	"CSD_CPU_ALIVE,4,C'X'"
24	(18)	X'1C'	0	CSD_CPU_ALIVE32TO63	"CSD_CPU_ALIVE+4,4,C'X'"
24	(18)	X'18'	0	CSD_CPU_ALIVE_AFFINITY_MASK	"CSD_CPU_ALIVE,2,C'X'" 16-bit mask for processors 0-15 used for CPU affinity checking.
32	(20)	DBL WORD	8	CSD_CPUS_GOING_ON_OR_OFF_MASK	mask of CPUs varied on or off during a reporting interval MF/1 TESTS THESE FLAGS AT REPORTING INTERVALS FOR CPU VARY ACTIVITY AND THEN RESETS THEM TO ZERO
40	(28)	DBL WORD	8	CSD_CPUS_MANIPULATED_BY_WLM	Mask of CPUs manipulated by WLM. If bit x is on, then WLM put the CPU into its current state (online/offline)
48	(30)	DBL WORD	8	CSD_CPUS_VARIED_OFFLINE_BY_OPERATOR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Mask of CPU varied offline by the operator
56	(38)	DBL WORD	8	CSD_CPUS_TAKEN_OFFLINE_BY_ACR	Mask of CPU varied offline by ACR
64	(40)	DBL WORD	8	CSD_CP_MASK	MASK of processors defined as standard processors - not necessarily online
64	(40)	X'40'	0	CSD_CP_MASK32	"CSD_CP_MASK,4,C'X'" 32-bit mask for processors 0-31
64	(40)	X'40'	0	CSD_CP_MASK16	"CSD_CP_MASK,2,C'X'" 16-bit mask for processors 0-15
64	(40)	X'18'	0	CSD_CP_MASK0TO31	"CSD_CPU_ALIVE,4,C'X'"
64	(40)	X'1C'	0	CSD_CP_MASK32TO63	"CSD_CPU_ALIVE+4,4,C'X'"
72	(48)	DBL WORD	8	CSD_IFA_MASK	MASK of processors defined as special processors - not necessarily online
72	(48)	X'48'	0	CSD_IFA_MASK32	"CSD_IFA_MASK,4,C'X'" 32-bit mask for processors 0-31
72	(48)	X'48'	0	CSD_IFA_MASK16	"CSD_IFA_MASK,2,C'X'" 16-bit mask for processors 0-15
80	(50)	DBL WORD	8	CSD_ZIIP_MASK (0)	MASK of processors defined as SUP processors - not necessarily online
80	(50)	DBL WORD	8	CSD_SUP_MASK	
88	(58)	BITSTRING	16	CSDRV04C	Reserved space on Dword Bdy
104	(68)	BITSTRING	2		- Reserved: was CSDCPWLM
106	(6A)	SIGNED	2	CSDDDRCT	- DDR DEVICE ALLOCATION INTERFACE COUNT FIELD. ACCESSED AND MODIFIED UNDER CMS LOCK. INCREMENTED BY DDR TO INDICATE TO DYNAMIC ALLOCATION THAT DDR EXCHANGED ADDRESSES IN THE IOS LOOKUP TABLE.
108	(6C)	SIGNED	4	CSDGDCC	- COUNT OF USABLE CLOCK COMPARATORS CURRENTLY IN THE CONFIGURATION
112	(70)	SIGNED	4	CSDGDINT	- COUNT OF USABLE CPU TIMERS CURRENTLY IN THE CONFIGURATION
116	(74)	SIGNED	4	CSDGDTOD	- COUNT OF CPUS THAT HAVE ACCESS TO A GOOD TOD CLOCK
120	(78)	SIGNED	4	CSDTCNT	- COUNT OF TAPE ALLOCATIONS IN PROGRESS
124	(7C)	SIGNED	4	CSDUCNT	- COUNT OF UNIT RECORD ALLOCATIONS IN PROGRESS
128	(80)	BITSTRING	32	CSDMASK (0)	- TABLE OF BIT MASKS FOR TESTING BITS IN CSDCPUAL, INDEXED FROM 1 TO 16.
128	(80)	BITSTRING	32	CSDMASK0 (0)	- TABLE OF BIT MASKS FOR TESTING BITS IN CSDCPUAL, INDEXED FROM 0 TO 15.
128	(80)	BITSTRING	2		- CPU 0
130	(82)	BITSTRING	2		- CPU 1
132	(84)	BITSTRING	2		- CPU 2
134	(86)	BITSTRING	2		- CPU 3
136	(88)	BITSTRING	2		- CPU 4
138	(8A)	BITSTRING	2		- CPU 5
140	(8C)	BITSTRING	2		- CPU 6
142	(8E)	BITSTRING	2		- CPU 7
144	(90)	BITSTRING	2		- CPU 8
146	(92)	BITSTRING	2		- CPU 9
148	(94)	BITSTRING	2		- CPU A
150	(96)	BITSTRING	2		- CPU B
152	(98)	BITSTRING	2		- CPU C
154	(9A)	BITSTRING	2		- CPU D
156	(9C)	BITSTRING	2		- CPU E
158	(9E)	BITSTRING	2		- CPU F
160	(A0)	BITSTRING	1	CSDIOSID	RESERVED -- DO NOT REUSE
161	(A1)	BITSTRING	1	CSDICPUS	- The number of initial (LPAR-defined) CPUs
162	(A2)	BITSTRING	1	CSDIIFAS	- The number of initial (LPAR-defined) IFA processors
163	(A3)	BITSTRING	1	CSDISUPS	- The number of initial (LPAR-defined) SUP processors

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
164	(A4)	SIGNED	4	CSDCPUVW (0)	VECTORS ONLINE INFORMATION WORD. SERIALIZATION - SYSZVARY.CPU RESOURCE, DISPATCHER LOCK AND CS. ONLY CS DURING ACR AND MCH.
164	(A4)	BITSTRING	2	CSDCPUVF	- BIT MASK OF CPUS WITH ONLINE VECTORS
166	(A6)	BITSTRING	2		- TWO BYTES TO MAKE CSDCPUVF A FULL WORD FOR CS INSTRUCTIONS.
168	(A8)	ADDRESS	4	CSDCMT	- ADDRESS OF THE CONFIGURATION MANAGEMENT TABLE.
172	(AC)	ADDRESS	4	CSDESAT	- ADDRESS OF THE EXCESSIVE SPIN RECOVERY ACTION TABLE USED BY IEEVEXSN.
176	(B0)	ADDRESS	4	CSDTMPES	- ADDRESS OF THE EXCESSIVE SPIN RECOVERY ACTION TABLE SET UP BY IEEVESAI AS A RESULT OF A SET EXS= COMMAND. THE ACTIONS DEFINED BY THIS TABLE BECOME EFFECTIVE THE NEXT TIME IEEVEXSN PROCESSES A NEW SPIN LOOP.
180	(B4)	ADDRESS	4	CSDRCFV	- ADDRESS OF THE RECONFIGURATION VECTOR TABLE.
184	(B8)	CHARACTER	16	CSDCPSID	TABLE OF SIDE ID FOR EACH CPU IN THE SYSTEM
200	(C8)	SIGNED	4		Reserved: was CSDCPACW 2
204	(CC)	ADDRESS	4	CSDLWVCT	- ADDRESS OF THE LOADWAIT VECTOR TABLE AS MAPPED BY BLWMLWVT.
208	(D0)	SIGNED	4	CSDCRWRD (0)	CRYPTO INFORMATION WORD.
208	(D0)	BITSTRING	2	CSDCRYPT	- BIT MASK OF ONLINE CRYPTO FACILITIES.
210	(D2)	BITSTRING	2	CSDCRINS	- BIT MASK OF INSTALLED CRYPTO FACILITIES.
212	(D4)	SIGNED	4	CSD_NUMBER_ONLINE_CPUS	32-bit count of alive CPUs. This includes CPs, IFAs, and SUPs
216	(D8)	ADDRESS	4	CSDUMVCL	- ADDRESS OF THE IEEUMVCL ENTRY POINT
220	(DC)	ADDRESS	4	CSDUSTCK	- ADDRESS OF THE IEEUSTCK ENTRY POINT
224	(E0)	ADDRESS	4	CSD$ESTA	- ADDRESS OF THE ISN$ESTA ENTRY POINT
228	(E4)	ADDRESS	4	CSD$FRR	- ADDRESS OF THE ISN$FRR ENTRY POINT
232	(E8)	ADDRESS	4	CSDSCPIN	- ADDRESS OF THE ISN$SCPI ENTRY POINT
236	(EC)	SIGNED	2	CSDMAXMP	Maximum CPU address in configuration
238	(EE)	BITSTRING	2		- RESERVED.
240	(F0)	DBL WORD	8	CSDEXCDS (0)	DWORD BDY FOR CDS INSTRUCTION TO UPDATE GLOBAL-EXEMPTION COUNT AND END-TIME
240	(F0)	SIGNED	4	CSDEXCNT	COUNT OF ACTIVE USERS OF GLOBAL SPIN-LOOP EXEMPTION. THIS FIELD MUST BE ON A DWORD BOUNDARY AND ADJACENT TO CSDEXSEC FOR THE CDS INSTRUCTION.
244	(F4)	SIGNED	4	CSDEXSEC	EXPIRATION TIME (DOWN TO SECONDS) FOR GLOBAL EXEMPTION FROM SPIN-LOOP RECOVERY (TOP HALF OF TOD CLOCK)
248	(F8)	ADDRESS	4	CSDGLEX	- ADDRESS OF THE MACRO PROCESSOR (BLWGLEX) FOR GLOBAL SPIN-LOOP EXEMPTION
252	(FC)	BITSTRING	1	CSDPLPN	PRSM LOGICAL PARTITION NUMBER
253	(FD)	CHARACTER	1	CSDEXSFL	FLAG BYTE FOR EXCESSIVE SPIN
254	(FE)	BITSTRING	2		RESERVED
256	(100)	ADDRESS	4	CSDRCPT	Address to the LCCA,LCCX and PCCA pointer table for WLM config cpu offline requests.
260	(104)	SIGNED	4	CSD_NUMBER_ONLINE_IFAS	IFAs online
264	(108)	SIGNED	4	CSD_NUMBER_ONLINE_STANDARD_CPS	Regular CPs onli
268	(10C)	SIGNED	4	CSD_NUMBER_ONLINE_ZIIPS (0)	zIIPs online
268	(10C)	SIGNED	4	CSD_NUMBER_ONLINE_SUPS	
272	(110)	BITSTRING	40		- RESERVED.
312	(138)	DBL WORD	8	CSDEND (0)	End of CSD control block
312	(138)	X'138'	0	CSDLEN	"CSDEND-CSD" Length of CSD control block
312	(138)	X'F'	0	CSD_MAX_CRYPTO_ADDRESS	"15" Maximum supported Crypto address
312	(138)	X'F'	0	CSD_MAX_AFFINITY_ADDRESS	"15" Max CPU supporting affinity

CSD Cross Reference

Name	Hex Offset	Hex Value
CSD	0	
CSD$ESTA	E0	
CSD$FRR	E4	
CSD_CP_MASK	40	0
CSD_CP_MASK0TO31	40	18
CSD_CP_MASK16	40	40
CSD_CP_MASK32	40	40
CSD_CP_MASK32TO63	40	1C
CSD_CPU_ALIVE	18	0
CSD_CPU_ALIVE_AFFINITY_MASK	18	18
CSD_CPU_ALIVE0TO31	18	18
CSD_CPU_ALIVE32	18	18
CSD_CPU_ALIVE32TO63	18	1C
CSD_CPUS_GOING_ON_OR_OFF_MASK	20	0
CSD_CPUS_MANIPULATED_BY_WLM	28	0
CSD_CPUS_TAKEN_OFFLINE_BY_ACR	38	0
CSD_CPUS_VARIED_OFFLINE_BY_OPERATOR	30	0
CSD_IFA_MASK	48	0
CSD_IFA_MASK16	48	48
CSD_IFA_MASK32	48	48
CSD_MAX_AFFINITY_ADDRESS	138	F
CSD_MAX_CRYPTO_ADDRESS	138	F
CSD_NUMBER_ONLINE_CPUS	D4	0
CSD_NUMBER_ONLINE_IFAS	104	
CSD_NUMBER_ONLINE_STANDARD_CPS	108	
CSD_NUMBER_ONLINE_SUPS	10C	
CSD_NUMBER_ONLINE_ZIIPS	10C	
CSD_SUP_MASK	50	0
CSD_ZIIP_MASK	50	
CSDACR	16	0
CSDCMT	A8	
CSDCPSID	B8	
CSDCPUAL	8	0
CSDCPUDN	17	20
CSDCPUJS	4	0
CSDCPUJW	4	
CSDCPUOL	A	0
CSDCPUOW	8	
CSDCPUVF	A4	0
CSDCPUVW	A4	
CSDCRINS	D2	0
CSDCRWRD	D0	
CSDCRYPT	D0	0
CSDCSD	0	C3E2C440
CSDDDRCT	6A	0
CSDEND	138	
CSDESAT	AC	
CSDEXCDS	F0	
CSDEXCNT	F0	0
CSDEXSEC	F4	0
CSDEXSFL	FD	
CSDFLAGS	17	0
CSDGDCC	6C	0
CSDGDINT	70	0
CSDGDTOD	74	0
CSDGLEX	F8	
CSDICPUS	A1	0
CSDIIFAS	A2	0
CSDIOSID	A0	0
CSDISUPS	A3	0
CSDLEN	138	138
CSDLWVCT	CC	
CSDMASK	80	
CSDMASK0	80	
CSDMAXMP	EC	0
CSDMF1CP	14	0
CSDMP	17	80
CSDNDPAR	17	10
CSDPLPN	FC	
CSDPRCPU	17	8
CSDRCFV	B4	
CSDRCPT	100	
CSDRV001	C	20
CSDRV002	C	10
CSDRV003	C	8
CSDRV004	C	4
CSDRV005	C	2
CSDRV006	C	1
CSDRV007	D	80
CSDRV008	D	40
CSDRV009	D	20
CSDRV010	D	10
CSDRV011	D	8
CSDRV012	D	4
CSDRV013	D	2
CSDRV014	D	1
CSDRV015	E	80
CSDRV016	E	40
CSDRV017	E	20
CSDRV018	E	10
CSDRV019	E	8
CSDRV020	E	4
CSDRV021	E	2
CSDRV022	E	1
CSDRV023	F	80
CSDRV024	F	40
CSDRV025	F	20
CSDRV026	F	10
CSDRV027	F	8
CSDRV028	F	4
CSDRV029	F	2
CSDRV030	F	1
CSDRV036	17	4

Name	Hex Offset	Hex Value
CSDRV037	17	2
CSDRV038	17	1
CSDRV04C	58	0
CSDRV042	C	80
CSDSAFF	8	
CSDSCFL1	C	0
CSDSCFL2	D	0
CSDSCFL3	E	0
CSDSCFL4	F	0
CSDSCPIN	E8	
CSDSCWRD	C	
CSDSTCHK	17	40
CSDSYSND	C	40
CSDTCNT	78	0
CSDTMPES	B0	
CSDUCNT	7C	0
CSDUMVCL	D8	
CSDUSTCK	DC	

CSRBPASM Programming Interface information

Programming Interface information

CSRBPASM

End of Programming Interface information

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CSRBPASM Heading Information

Common Name: Block Paging Service Assembler Declares
Macro ID: CSRBPASM
DSECT Name: N/A
Owning Component: CALLABLE SERVICE REQUESTS (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: CSRBPASM defines Block Paging service names and related constants for programs written in Assembler-H.

CSRBPASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	CSR_FORWARDS	"1"
		Comment			
		Backwards direction of reference (third parameter)			
		End of Comment			
0	(0)	X'FFFFFF'	0	CSR_BACKWARDS	"-1"
		Comment			
		Services			
		End of Comment			
		Comment			
		End of Block Paging Services Declares			
		End of Comment			

CSRCPASM Programming Interface information

Programming Interface information

CSRCPASM

End of Programming Interface information

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CSRCPASM Heading Information

Common Name: Bit Mapped Cell Pool Service Assembler Declares
Macro ID: CSRCPASM
DSECT Name: N/A
Owning Component: CALLABLE SERVICE REQUESTS (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: CSRCPASM defines Cell Pool service names and related constants for programs written in Assembler-H.

CSRCPASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'40'	0	CSR_ANCHOR_LENGTH	"64"
				Comment	
				Base length of the cell pool extent data area	
				End of Comment	
0	(0)	X'80'	0	CSR_EXTENT_BASE	"128"
				Comment	
				Length of the user-supplied pool name	
				End of Comment	
0	(0)	X'8'	0	CSR_POOL_NAME_LEN	"8"
				Comment	
				Length of the user-supplied savearea for GT1/RGT1/GT2/FR1/RFR1/FR2	
				End of Comment	
0	(0)	X'90'	0	CSR_SAVEAREA_LEN	"144"
				Comment	
				Control Services	
				End of Comment	
				Comment	
				Get/Free Services	
				End of Comment	

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

Comment

Other get/free services (no extrn)
CSRPGT1,CSRPRGT1,CSRPFR1,CSRPRFR1
CSRPGT2,CSRPFR2
Query Services

End of Comment

Comment

End of Bit Mapped Cell Pool Services Declares

End of Comment

CSRCPASM Cross Reference

Name	Hex Offset	Hex Value
CSR_ANCHOR_LENGTH		
	0	40
CSR_EXTENT_BASE		
	0	80
CSR_POOL_NAME_LEN		
	0	8
CSR_SAVEAREA_LEN		
	0	90

CSRC4ASM Programming Interface information

Programming Interface information

CSRC4ASM

End of Programming Interface information

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CSRC4ASM Heading Information

Common Name: Bit Mapped Cell Pool Service Assembler Declares
Macro ID: CSRC4ASM
DSECT Name: N/A
Owning Component: CALLABLE SERVICE REQUESTS (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: CSRC4ASM defines Cell Pool service names and related constants for programs written in Assembler-H.

CSRC4ASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'40'	0	CSRC4_ANCHOR_LENGTH	"64"
				Comment	
				Base length of the cell pool extent data area	
				End of Comment	
0	(0)	X'C0'	0	CSRC4_EXTENT_BASE	"192"
				Comment	
				Length of the user-supplied pool name	
				End of Comment	
0	(0)	X'8'	0	CSRC4_POOL_NAME_LEN	"8"
				Comment	
				Length of the user-supplied savearea for CSRC4GT1/CSRC4RG1/CSRC4FR1/CSRC4RF1/CSRC4GT2/CSRC4FR2	
				End of Comment	
0	(0)	X'D8'	0	CSRC4_SAVEAREA_LEN	"216"

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

Comment

Amode 64 Control Services
CSRC4BLD,CSRC4EXP,CSRC4CON,CSRC4ACT,CSRC4DIS,CSRC4DAC
Amode 64 Get/Free Services
CSRC4GET,CSRC4RGT,CSRC4FRE,CSRC4RFR
Amode 64 Other get/free services
CSRC4GT1,CSRC4RG1,CSRC4FR1,CSRC4RF1,CSRC4GT2/CSRC4FR2
Amode 64 Query Services
CSRC4QPL,CSRC4QEX,CSRC4QCL
End of Amode 64 Bit Mapped Cell Pool Services Declares

End of Comment

CSRLJASM Programming Interface information

Programming Interface information

CSRLJASM

End of Programming Interface information

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CSRLJASM Heading Information

Common Name: Load 16 and Jump Assembler Declares
Macro ID: CSRLJASM
DSECT Name: N/A
Owning Component: Callable Service Requests (SCCSR)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
Key: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: None required
Function: CSRLJASM defines constants for the use of Load 16 and Jump from S/390 assembly language.

CSRLJASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	CSRL16J_OK	"0"
0	(0)	X'4'	0	CSRL16J_BAD_VERSION	"4"
0	(0)	X'8'	0	CSRL16J_BAD_AMODE	"8"
0	(0)	X'C'	0	CSRL16J_BAD_RESERVED	"12"
0	(0)	X'10'	0	CSRL16J_BAD_LENGTH	"16"
0	(0)	X'18'	0	CSRL16J_BAD_PSW	"24"
0	(0)	X'0'	0	CSRLJ1_OK	"0"
0	(0)	X'4'	0	CSRLJ1_BAD_VERSION	"4"
0	(0)	X'8'	0	CSRLJ1_BAD_AMODE	"8"
0	(0)	X'C'	0	CSRLJ1_BAD_RESERVED	"12"
0	(0)	X'10'	0	CSRLJ1_BAD_LENGTH	"16"
0	(0)	X'18'	0	CSRLJ1_BAD_PSW	"24"
0	(0)	X'1C'	0	CSRLJ1_NOT_ESAME	"28"
0	(0)	X'1C'	0	CSRLJ1_NOT_ZARCHITECTURE	"28"

Comment

End of Load 16 and Jump

End of Comment

CSRLJASM Cross Reference

Name	Hex Offset	Hex Value
CSRLJ1_BAD_AMODE	0	8
CSRLJ1_BAD_LENGTH	0	10
CSRLJ1_BAD_PSW	0	18
CSRLJ1_BAD_RESERVED	0	C
CSRLJ1_BAD_VERSION	0	4
CSRLJ1_NOT_ESAME	0	1C
CSRLJ1_NOT_ZARCHITECTURE	0	1C
CSRLJ1_OK	0	0
CSRL16J_BAD_AMODE	0	8
CSRL16J_BAD_LENGTH	0	10
CSRL16J_BAD_PSW	0	18
CSRL16J_BAD_RESERVED	0	C
CSRL16J_BAD_VERSION	0	4
CSRL16J_OK	0	0

CSRSIIDF Programming Interface information

Programming Interface information

CSRSIIDF

End of Programming Interface information

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CSRSIIDF Heading Information

Common Name: CSRSI IDF (return codes and output area maps)
Macro ID: CSRSIIDF
DSECT Name: SI00 SIV1 SIV1V2 SIV1V2V3 SIV1V3 SIV2 SIV2V3 SIV3 SI11V1 SI22V1 SI22V1ALT SI22V2 SI22V3 SI22V3DB
Owning Component: CSR (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
SI00 -- X'0040' bytes
SIV1 -- X'2040' bytes
SIV1V2 -- X'3040' bytes
SIV1V2V3 -- X'4040' bytes
SIV1V3 -- X'3040' bytes
SIV2 -- X'1040' bytes
SIV2V3 -- X'2040' bytes
SIV3 -- X'1040' bytes
SI11V1 -- X'1000' bytes
SI22V1 -- X'1000' bytes
SI22V1ALT -- X'0FD8' bytes
SI22V2 -- X'1000' bytes
SI22V3 -- X'1000' bytes
SI22V3DB -- X'0040' bytes
Created by: Caller and passed as parameter on InfoArea parameter on call to CSRSI
Pointed to by: CSRSI parameter list
Serialization: None required
Function: Provides return code equates for the CSRSI service.

Maps the InfoArea data returned by the CSRSI service.

The data returned depends upon the request.

SIV1 DSECT maps the data returned when only V1CPC_MACHINE data is requested.

SIV1V2 DSECT maps the data returned when only V1CPC_MACHINE data and V2CPC_LPAR data are requested.

SIV1V2V3 DSECT maps the data returned when V1CPC_MACHINE data, V2CPC_LPAR data, and V3CPC_VM data are requested.

SIV1V3 DSECT maps the data returned when only V1CPC_MACHINE data and V3CPC_VM data are requested.

SIV2 DSECT maps the data returned when only V2CPC_LPAR data is requested.

SIV2V3 DSECT maps the data returned when only V2CPC_LPAR data and V3CPC_VM data are requested.

SIV3 DSECT maps the data returned when only V3CPC_VM data is requested.

SI00 DSECT maps "starter" information (including STIDP)

SI11V1 DSECT maps the general configuration information for a machine

SI22V1 DSECT maps multiple CPU information for a machine.

SI22V1ALT DSECT maps the alternate information according to field SI22V1Format

SI22V2 DSECT maps multiple CPU information for an LPAR.

SI22V3 DSECT maps multiple CPU information when running under VM.

The SI00ValidityFlags fields indicates whether the data returned for each requested area (other than SI00) is valid. There is no bit for the SI00 area itself since that area is always valid.

The infoarea length must match the length of the DSECT that maps the requested data.

CSRSIIDF 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	SI00	
0	(0)	BITSTRING	1	SI00CPCVARIETY	SI00CPCVariety_V1CPC_Machine, SI00CPCVariety_V2CPC_LPAR, or SI00CPCVariety_V3CPC_VM
1	(1)	BITSTRING	1	SI00VALIDITYFLAGS	Validity flags

Comment

Bit definitions:

End of Comment

		1...		SI00VALIDSI11V1	"X'80'" SI11V1 was requested and the information returned is valid
		.1..		SI00VALIDSI22V1	"X'40'" SI22V1 was requested and the information returned is valid
		..1.		SI00VALIDSI22V2	"X'20'" SI22V2 was requested and the information returned is valid
		...1		SI00VALIDSI22V3	"X'10'" SI22V3 was requested and the information returned is valid
2	(2)	CHARACTER	2		Reserved
4	(4)	CHARACTER	12	SI00PCCACPID	PCCACPID value (CPU ID) for this CPU
16	(10)	CHARACTER	2	SI00PCCACPUA	PCCACPUA value for this CPU
18	(12)	CHARACTER	2	SI00PCCACAFM	PCCACAFM value for this CPU. This has information only about CPUs 0-15
20	(14)	CHARACTER	4		Reserved
24	(18)	CHARACTER	8	SI00LASTUPDATETIMESTAMP	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					STCK timestamp of last capacity upgrade on demand after IPL. 0's if unchanged since IPL
32	(20)	CHARACTER	8	SI00PCCA_CPU_ADDRESS_MASK	PCCA_CPU_ADDRESS_MASK value for this CPU.
40	(28)	CHARACTER	24		Reserved
				Comment	
				SI00 Constants	
				End of Comment	
40	(28)	X'1'	0	SI00CPCVARIETY_V1CPC_MACHINE	"1" Value for a V1 CPC (not LPAR, not VM)
40	(28)	X'2'	0	SI00CPCVARIETY_V2CPC_LPAR	"2" Value for a V2 CPC (LPAR)
40	(28)	X'3'	0	SI00CPCVARIETY_V3CPC_VM	"3" Value for a V3 CPC (VM)
				Comment	
				Constants for Parameters and Return Codes Store System Information Constants	
				End of Comment	
40	(28)	X'1'	0	CSRSI_REQUEST_V1CPC_MACHINE	"1" Requests information about a V1 CPC (not LPAR, not VM)
40	(28)	X'2'	0	CSRSI_REQUEST_V2CPC_LPAR	"2" Requests information about a V2 CPC (LPAR)
40	(28)	X'4'	0	CSRSI_REQUEST_V3CPC_VM	"4" Requests information about a V3 CPC (VM)
				Comment	
				Store System Information Return Codes Note: 0C4 abend if bad address provided in parmlist or user data	
				End of Comment	
40	(28)	X'0'	0	CSRSI_SUCCESS	"0" CSRSI service completed successfully
40	(28)	X'4'	0	CSRSI_STSINOTAVAILABLE	"4" STSI instruction is not available on this system. Only the SI00PCCACPID, SI00PCCACPUA, SI00PCCACAFM fields are valid.
40	(28)	X'8'	0	CSRSI_SERVICENOTAVAILABLE	"8" CSRSI service is not available on this system.
40	(28)	X'C'	0	CSRSI_BADREQUEST	"12" The request parameter did not specify a word with a value formed from adding any combination of CSRSI_Request_V1CPC_Machine, CSRSI_Request_V2CPC_LPAR, and CSRSI_Request_V3CPC_VM.
40	(28)	X'10'	0	CSRSI_BADINFOAREALEN	"16" The value of the InfoAreaLen parameter does not match the length needed to accomodate the requested data.
40	(28)	X'14'	0	CSRSI_BADLOCK	"20" Service was called holding a system lock other than CPU, LOCAL/CML, CMS
40	(28)	X'40'	0	SI00_LEN	"*-SI00"

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SIV1	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	CHARACTER	64	SIV1SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1SI22V1	Area mapped by dsect SI22V1
4160	(1040)	X'2040'	0	SIV1_LEN	"*-SIV1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SIV1V2	
0	(0)	CHARACTER	64	SIV1V2SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1V2SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1V2SI22V1	Area mapped by dsect SI22V1
8256	(2040)	CHARACTER	4096	SIV1V2SI22V2	Area mapped by dsect SI22V2
8256	(2040)	X'3040'	0	SIV1V2_LEN	"*-SIV1V2"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SIV1V2V3	
0	(0)	CHARACTER	64	SIV1V2V3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1V2V3SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1V2V3SI22V1	Area mapped by dsect SI22V1
8256	(2040)	CHARACTER	4096	SIV1V2V3SI22V2	Area mapped by dsect SI22V2
12352	(3040)	CHARACTER	4096	SIV1V2V3SI22V3	Area mapped by dsect SI22V3
12352	(3040)	X'4040'	0	SIV1V2V3_LEN	"*-SIV1V2V3"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SIV1V3	
0	(0)	CHARACTER	64	SIV1V3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV1V3SI11V1	Area mapped by dsect SI11V1
4160	(1040)	CHARACTER	4096	SIV1V3SI22V1	Area mapped by dsect SI22V1
8256	(2040)	CHARACTER	4096	SIV1V3SI22V3	Area mapped by dsect SI22V3
8256	(2040)	X'3040'	0	SIV1V3_LEN	"*-SIV1V3"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SIV2	
0	(0)	CHARACTER	64	SIV2SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV2SI22V2	Area mapped by dsect SI22V2
64	(40)	X'1040'	0	SIV2_LEN	"*-SIV2"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SIV2V3	
0	(0)	CHARACTER	64	SIV2V3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV2V3SI22V2	Area mapped by dsect SI22V2
4160	(1040)	CHARACTER	4096	SIV2V3SI22V3	Area mapped by dsect SI22V3
4160	(1040)	X'2040'	0	SIV2V3_LEN	"*-SIV2V3"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SIV3	
0	(0)	CHARACTER	64	SIV3SI00	Area mapped by dsect SI00
64	(40)	CHARACTER	4096	SIV3SI22V3	Area mapped by dsect SI22V3
64	(40)	X'1040'	0	SIV3_LEN	"*-SIV3"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SI11V1	
0	(0)	CHARACTER	32		Reserved
32	(20)	CHARACTER	16	SI11V1CPCMANUFACTURER	The 16-character (0-9 or uppercase A-Z) EBCDIC name of the manufacturer of the congiguration. The name is left-justified with trailing blank characters if necessary.
48	(30)	CHARACTER	4	SI11V1CPCTYPE	The 4-character (0-9) EBCDIC type identifier of the configuration.
52	(34)	CHARACTER	12		Reserved
64	(40)	CHARACTER	16	SI11V1CPCMODEL	The 16-character (0-9 or uppercase A-Z) EBCDIC model identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary. Valid only if the first word of SI11V1CPCModel1 is zero
64	(40)	CHARACTER	16	SI11V1CPCMODELCAPIDENT	The 16-character (0-9 or uppercase A-Z) EBCDIC model capacity identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary. Valid only when the first word of SI11V1CPCModel1 is non-zero.
80	(50)	CHARACTER	16	SI11V1CPCSEQUENCECODE	The 16-character (0-9 or uppercase A-Z) EBCDIC sequence code of the configuration. The sequence code is right-justified with leading EBCDIC zeroes if necessary.
96	(60)	CHARACTER	4	SI11V1CPCPLANTOFMANUFACTURE	The 4-character (0-9 or uppercase A-Z) EBCDIC plant code that identifies the plant of manufacture for the configuration. The plant code is left-justified with trailing blank characters if necessary.
100	(64)	CHARACTER	16	SI11V1CPCMODEL1	The 16-character (0-9 or uppercase A-Z) EBCDIC model identifier of the configuration. The identifier is left-justified with trailing blank characters if necessary. Valid only when first word is not zero. Otherwise, the CPCModelCapIdent field represents both the model-capacity identifier and the model.
116	(74)	CHARACTER	3980		Reserved
116	(74)	X'1000'	0	SI11V1_LEN	"*-SI11V1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SI22V1	
0	(0)	BITSTRING	1	SI22V1FORMAT	When the value is 1, the ACCOffset field is valid
1	(1)	CHARACTER	1		Reserved
2	(2)	SIGNED	2	SI22V1ACCOFFSET	Alternate Cpu Capability Offset. A 16-bit unsigned binary integer that specifies the offset in bytes of the alternate-CPU-capability area (which is physically within the SI22V1 area, and is mapped by DSECT SI22V1ALT)
4	(4)	CHARACTER	24		Reserved
28	(1C)	CHARACTER	4	SI22V1SECONDARYCPUCAPABILITY	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					An unsigned binary integer that, when not zero, specifies a secondary capability that may be applied to certain types of CPUs in the configuration. There is no formal description of the algorithm used to generate this integer, except that it is the same algorithm used to generate the CPU capability. The integer is used as an indication of the capability of a CPU relative to the capability of other CPU models, and also relative to the capability of other CPU types within a model. When the value is zero, all CPUs of any CPU type in the configuration have the same capability, as specified by the CPU capability.
32	(20)	CHARACTER	4	SI22V1CPUCAPABILITY	
					An unsigned binary integer that specifies the capability of one of the CPUs contained in the configuration. There is no formal description of the algorithm used to generate this integer. It is used as an indication of the capability of the CPU relative to the capability of other CPU models.
36	(24)	BITSTRING	2	SI22V1TOTALCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of CPUs contained in the physical machine configuration. This number includes all CPUs in the configured state, the standby state, or the reserved state.
38	(26)	BITSTRING	2	SI22V1CONFIGUREDCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of CPUs that are in the configured state in the physical machine configuration. A CPU is in the configured state when it is in the configuration and available to be used to execute programs.
40	(28)	BITSTRING	2	SI22V1STANDBYCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of CPUs that are in the standby state in the physical machine configuration. A CPU is in the standby state when it is in the configuration, is not available to be used to execute programs, but can be used to execute programs by issuing instructions to place it in the configured state. It may be possible to place a reserved CPU in the standby or configured state by means of manual actions.
42	(2A)	BITSTRING	2	SI22V1RESERVEDCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of CPUs that are in the reserved state in the physical machine configuration. A CPU is in the reserved state when it is in the configuration, is not available to be used to execute programs, and cannot be made available by issuing instructions to place it in the configured state. It may be possible to place a reserved CPU in the standby or configured state by means of manual actions.
44	(2C)	CHARACTER	4052	SI22V1MPCPUCAPABILITYAFS	
					NOTE: This field is valid only when SI22V1Format is 0. A series of contiguous 2-byte fields, each containing a 16-bit unsigned binary integer which is an adjustment factor (percentage) for the value contained in the CPU-capability field. The number of adjustment-factor fields is one less than the number of CPUs specified in the total-CPU-count field. The adjustment-factor fields correspond to configurations with increasing numbers of CPUs in the configured state. The first adjustment-factor field corresponds to a configuration with two CPUs. Each successive adjustment-factor field corresponds to a configuration with a number of CPUs that is one more than that for the preceding field.
44	(2C)	CHARACTER	2	SI22V1MPCPUCAPABILITYAF	
					Each individual adjustment factor.
4096	(1000)	X'1000'	0	SI22V1_LEN	"*-SI22V1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SI22V1ALT	
0	(0)	SIGNED	4	SI22V1ALTCPUCAPABILITY	A 32-bit unsigned binary integer that specifies the announced capability of one of the CPUs in the configuration. There is no formal description of the algorithm used to generate this integer. The integer is used as an indication of the announced capability of the CPU relative to the announced capability of other CPU models. The alternate-capability value applies to each of the CPUs in the configuration. That is, all CPUs in the configuraiton have the same alternate capability.
4	(4)	CHARACTER	4052	SI22V1ALTMPCPUCAPABILITYAFS	A series of contiguous 2-byte fields, each containing a 16-bit unsigned binary integer which is an adjustment factor (percentage) for the value contained in the altternate-CPU-capability field. The number of alternate-adjustment-factor fields is one less than the number of CPUs specified in the total-CPU-count field. The alternate- adjustment-factor fields correspond to configurations with increasing numbers of CPUs in the configured state. The first alternate-adjustment-factor field corresponds to a configuration with two CPUs in the configured state. Each successive alternate- adjustment-factor field corresponds to a configuration with a number of CPUs in the configurd state that is more than that for the preceding field.
4	(4)	CHARACTER	2	SI22V1ALTMPCPUCAPABILITYAF	Each individual adjustment factor.
4056	(FD8)	X'FD8'	0	SI22V1ALT_LEN	"*-SI22V1ALT"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SI22V2	
0	(0)	CHARACTER	32		Reserved
32	(20)	BITSTRING	2	SI22V2LPARNUMBER	A 16-bit unsigned binary integer which is the number of the level-2 configuration. This number distinguishes the configuration from all other level-2 configurations provided by the same logical-partition hypervisor
32	(20)	BITSTRING	2	SI22V2CPCNUMBER	
34	(22)	CHARACTER	1		Reserved
35	(23)	CHARACTER	1	SI22V2LCPUCHARACTERISTICS	The characteristics of the logical CPUs that are provided for the level-2 configuration

Comment

Bit definitions:

End of Comment

1...	SI22V2LCPUDEDICATED	"X'80'" When one, indicates that one or more of the logical CPUs for this level-2 configuration are provided using level-1 CPUs that are dedicated to this level-2 configuration and are not used to provide logical CPUs for any other level-2 configuration. The number of logical CPUs that are provided using dedicated level-1 CPUs is specified by the dedicated-LCPU-count value. When zero, bit 0 indicates that none of the logical CPUs for this level-2 configuration are provided using level-1 CPUs that are dedicated to this level-2 configuration.
.1..	SI22V2LCPUSHARED	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'40'" When one, indicates that one or more of the logical CPUs for this level-2 configuration are provided using level-1 CPUs that can be used to provide logical CPUs for other level-2 configurations. The number of logical CPUs that are provided using shared V1 CPUs is specified by the shared-LCPU-count value. When zero, it indicates that none of the logical CPUs for this level-2 configuration are provided using shared level-1 CPUs.
		..1.		SI22V2LCPUULIMIT	
					"X'20'" Utilization limit: When one, indicates that the amount of use of the level-1 CPUs that are used to provide the logical CPUs for this level-2 configuration is limited. When zero, it indicates that the amount of use of the level-1 CPUs that are used to provide the logical CPUs for this level-2 configuration is unlimited.
36	(24)	BITSTRING	2	SI22V2TOTALLCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of logical CPUs that are provided for this level-2 configuration. This number includes all of the logical CPUs that are in the configured state, the standby state, and the reserved state.
38	(26)	BITSTRING	2	SI22V2CONFIGUREDLCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of logical CPUs for this level-2 configuration that are in the configured state. A logical CPU is in the configured state when it is in the level-2 configuration definition and is available to be used to execute programs.
40	(28)	BITSTRING	2	SI22V2STANDBYLCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-2 configuration that are in the standby state. A logical CPU is in the standby state when it is in the level-2 configuration, is not available to be used to execute programs, and can be made available by issuing instructions to place it in the the configured state.
42	(2A)	BITSTRING	2	SI22V2RESERVEDLCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the total number of CPUs for this level-2 configuration that are in the reserved state. A logical CPU is in the reserved state when it is in the level-2 configuration, is not available to be used to execute programs, and cannot be made available by issuing instructions to place it in the configured state. It may be possible to place the reserved CPU in the standby or configured state through manually initiated actions
44	(2C)	CHARACTER	8	SI22V2LPARNAME	
					The 8-character EBCDIC name of this level-2 configuration. The name is left-justified with trailing blank characters if necessary.
44	(2C)	CHARACTER	8	SI22V2CPCNAME	
52	(34)	CHARACTER	4	SI22V2LPARCAPABILITYAF	
					Capability Adjustment Factor (CAF). An 32-bit unsigned binary integer with a value of 1000 or less. The adjustment factor specifies the amount of the underlying level-1-configuration capability that is allowed to be used for this level-2 configuration by the LPAR hypervisor. The fraction of level-1-configuration capability is determined by dividing the CAF value by 1000.
52	(34)	CHARACTER	4	SI22V2CPCCAPABILITYAF	
56	(38)	CHARACTER	8	SI22V2LPARORIGIN	
					A 64-bit unsigned binary integer, called a logical partition origin, which represents the relocation-zone origin of the logical partition
64	(40)	CHARACTER	8		Reserved
72	(48)	BITSTRING	2	SI22V2DEDICATEDLCPUCOUNT	
					A 16-bit unsigned binary integer that specifies the number of configured-state logical CPUs for this level-2 configuration that are provided using dedicated level-1 CPUs. (See the description of bit SI22V2LCPUDedicated.)

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
74	(4A)	BITSTRING	2	SI22V2SHAREDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of configured-state logical CPUs for this level-2 configuration that are provided using shared level-1 CPUs. (See the description of bit SI22V2LCPUShared.)
76	(4C)	CHARACTER	4020		Reserved
76	(4C)	X'1000'	0	SI22V2_LEN	"*-SI22V2"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	SI22V3	
0	(0)	CHARACTER	28		Reserved
28	(1C)	CHARACTER	3		Reserved
31	(1F)	BITSTRING	1	SI22V3DBCOUNTFIELD	

Comment

Bit definitions:

End of Comment

		 1111		SI22V3DBCOUNT	"X'0F'" Description Block Count. A 4-bit unsigned binary integer that indicates the number (up to 8) of virtual machine description blocks that are stored in the SI22V3DBs field.
32	(20)	CHARACTER	512	SI22V3DBS	From 1 to 8 64-byte virtual machine description blocks, depending on the number of nested level-3 configurations, if any, and their processing characteristics.
32	(20)	CHARACTER	64	SI22V3DBE	An individual entry, mapped by dsect SI22V3DB
544	(220)	CHARACTER	3552		Reserved
544	(220)	X'1000'	0	SI22V3_LEN	"*-SI22V3"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SI22V3DB	V3 Description Block. When a level-3 configuration is provided by a virtual-machine control program and the control program is being executed by a level-3 configuration provided by another virtual-machine control program, the level-3 configurations are said to be "nested." Level-3 configurations can be nested in this way for several levels. The collection of nested level-3 configurations that is in the path between a program being executed by a level-3 configuration and the basic machine is called a "level-3 configuration stack." The level-3 configurations provided by a virtual-machine control program being executed by either a level-2 configuration or a level-1 configuration is the lowest-numbered (0) level-3 configuration in the stack. The level-3 configuration that is executing the program containing this instruction is the highest numbered (N) level-3 configuration in the stack. If more than one virtual-machine description block is stored, the blocks are stored according to the following rules: 1.The collection of level-3 configurations described is a contiguous subset of the total collection of level-3 configurations in the level-3 configuration stack. The subset always includes the highest numbered level-3 configuration in the stack. One or more level-3 configuraitons at the bottom of the stack may not be described because STSI is not implemented by the highest of those configurations or the limit of eight description blocks would be exceeded. 2.The highest-numbered level-3 configuration in the level-3 configuration stack is always described by the first description block. The lowest-numbered level-3 configuration in the stack, of those that are included in the subset that is described, is described by the last description block provided.
0	(0)	CHARACTER	4		Reserved
4	(4)	BITSTRING	2	SI22V3DBTOTALLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration. This number includes all of the logical CPUs that are in the configured state, the standby state, and the reserved state.
6	(6)	BITSTRING	2	SI22V3DBCONFIGUREDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration that are in the configured state. A logical CPU is in the configured state when it is in the level-3 configuration and is available to be used to execute programs.
8	(8)	BITSTRING	2	SI22V3DBSTANDBYLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration that are in the standby state. A logical CPU is in the standby state when it is in the level-3 configuration, is not available to be used to execute programs, and can be made available by issuing instructions to place it in the configured state.
10	(A)	BITSTRING	2	SI22V3DBRESERVEDLCPUCOUNT	A 16-bit unsigned binary integer that specifies the number of logical CPUs for this level-3 configuration that are in the reserved state. A logical CPU is in the reserved state when it is in the level-3 configuration, is not available to be used to execute programs, and cannot be made available by issuing instructions to place it in the configured state. It may be possible to place the CPU in the standby or configured state through manual actions
12	(C)	CHARACTER	8	SI22V3DBVMNAME	The 8-character EBCDIC name of this level-3 configuration. The name is left-justified with trailing blank characters if necessary.
12	(C)	CHARACTER	8	SI22V3DBCPCNAME	
20	(14)	CHARACTER	4	SI22V3DBVMCAF	

CSRSIIDF Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					A 4-byte unsigned binary integer that specifies an adjustment factor. The adjustment factor specifies the amount of the underlying level-1-, level-2-, or level-3-configuration cpability that is allowed to be used for this level-3 configuration by the virtual-machine control program. The fraction of the underlying capability is determined by dividing the CAF value by 1000.
20	(14)	CHARACTER	4	SI22V3DBCPCCAF	
24	(18)	CHARACTER	16	SI22V3DBCPIDENTIFIER	
					The 16-character EBCDIC identifier of the virtual-machine control program that provides this level-3 configuration. This identifier may include qualifiers such as version number and release level. The identifier is left-justified with trailing blank characters if necessary.
24	(18)	CHARACTER	16	SI22V3DBVMHPIDENTIFIER	
40	(28)	CHARACTER	24		Reserved
40	(28)	X'40'	0	SI22V3DB_LEN	"*-SI22V3DB"

CSRSIIDF Cross Reference

Name	Hex Offset	Hex Value
CSRSI_BADINFOAREALEN		
	28	10
CSRSI_BADLOCK		
	28	14
CSRSI_BADREQUEST		
	28	C
CSRSI_REQUEST_V1CPC_MACHINE		
	28	1
CSRSI_REQUEST_V2CPC_LPAR		
	28	2
CSRSI_REQUEST_V3CPC_VM		
	28	4
CSRSI_SERVICENOTAVAILABLE		
	28	8
CSRSI_STSINOTAVAILABLE		
	28	4
CSRSI_SUCCESS		
	28	0
SIV1	0	
SIV1_LEN	1040	2040
SIV1SI00	0	
SIV1SI11V1	40	
SIV1SI22V1	1040	
SIV1V2	0	
SIV1V2_LEN	2040	3040
SIV1V2SI00	0	
SIV1V2SI11V1	40	
SIV1V2SI22V1	1040	
SIV1V2SI22V2	2040	
SIV1V2V3	0	
SIV1V2V3_LEN	3040	4040
SIV1V2V3SI00	0	
SIV1V2V3SI11V1		
	40	
SIV1V2V3SI22V1		
	1040	
SIV1V2V3SI22V2		
	2040	
SIV1V2V3SI22V3		
	3040	
SIV1V3	0	
SIV1V3_LEN	2040	3040
SIV1V3SI00	0	
SIV1V3SI11V1	40	
SIV1V3SI22V1	1040	
SIV1V3SI22V3	2040	
SIV2	0	
SIV2_LEN	40	1040
SIV2SI00	0	
SIV2SI22V2	40	
SIV2V3	0	
SIV2V3_LEN	1040	2040
SIV2V3SI00	0	
SIV2V3SI22V2	40	
SIV2V3SI22V3	1040	
SIV3	0	
SIV3_LEN	40	1040
SIV3SI00	0	
SIV3SI22V3	40	
SI00	0	
SI00_LEN	28	40
SI00CPCVARIETY		
	0	
SI00CPCVARIETY_V1CPC_MACHINE		
	28	1
SI00CPCVARIETY_V2CPC_LPAR		
	28	2
SI00CPCVARIETY_V3CPC_VM		
	28	3
SI00LASTUPDATETIMESTAMP		
	18	
SI00PCCA_CPU_ADDRESS_MASK		
	20	
SI00PCCACAFM	12	
SI00PCCACPID	4	
SI00PCCACPUA	10	
SI00VALIDITYFLAGS		
	1	
SI00VALIDSI11V1		
	1	80
SI00VALIDSI22V1		
	1	40
SI00VALIDSI22V2		
	1	20
SI00VALIDSI22V3		
	1	10

Name	Hex Offset	Hex Value
SI11V1	0	
SI11V1_LEN	74	1000
SI11V1CPCMANUFACTURER	20	
SI11V1CPCMODEL	40	
SI11V1CPCMODELCAPIDENT	40	
SI11V1CPCMODEL1	64	
SI11V1CPCPLANTOFMANUFACTURE	60	
SI11V1CPCSEQUENCECODE	50	
SI11V1CPCTYPE	30	
SI22V1	0	
SI22V1_LEN	1000	1000
SI22V1ACCOFFSET	2	
SI22V1ALT	0	
SI22V1ALT_LEN	FD8	FD8
SI22V1ALTCPUCAPABILITY	0	
SI22V1ALTMPCPUCAPABILITYAF	4	
SI22V1ALTMPCPUCAPABILITYAFS	4	
SI22V1CONFIGUREDCPUCOUNT	26	
SI22V1CPUCAPABILITY	20	
SI22V1FORMAT	0	
SI22V1MPCPUCAPABILITYAF	2C	
SI22V1MPCPUCAPABILITYAFS	2C	
SI22V1RESERVEDCPUCOUNT	2A	
SI22V1SECONDARYCPUCAPABILITY	1C	
SI22V1STANDBYCPUCOUNT	28	
SI22V1TOTALCPUCOUNT	24	
SI22V2	0	
SI22V2_LEN	4C	1000
SI22V2CONFIGUREDLCPUCOUNT	26	
SI22V2CPCCAPABILITYAF	34	
SI22V2CPCNAME	2C	
SI22V2CPCNUMBER	20	
SI22V2DEDICATEDLCPUCOUNT	48	
SI22V2LCPUCHARACTERISTICS	23	
SI22V2LCPUDEDICATED	23	80
SI22V2LCPUSHARED	23	40
SI22V2LCPUULIMIT	23	20
SI22V2LPARCAPABILITYAF	34	
SI22V2LPARNAME	2C	
SI22V2LPARNUMBER	20	
SI22V2LPARORIGIN	38	
SI22V2RESERVEDLCPUCOUNT	2A	
SI22V2SHAREDLCPUCOUNT	4A	
SI22V2STANDBYLCPUCOUNT	28	
SI22V2TOTALLCPUCOUNT	24	
SI22V3	0	
SI22V3_LEN	220	1000
SI22V3DB	0	
SI22V3DB_LEN	28	40
SI22V3DBCONFIGUREDLCPUCOUNT	6	
SI22V3DBCOUNT	1F	F
SI22V3DBCOUNTFIELD	1F	
SI22V3DBCPCCAF	14	
SI22V3DBCPCNAME	C	
SI22V3DBCPIDENTIFIER	18	
SI22V3DBE	20	
SI22V3DBRESERVEDLCPUCOUNT	A	
SI22V3DBS	20	
SI22V3DBSTANDBYLCPUCOUNT	8	
SI22V3DBTOTALLCPUCOUNT	4	
SI22V3DBVMCAF	14	
SI22V3DBVMHPIDENTIFIER	18	
SI22V3DBVMNAME	C	

CSRYCMPD Programming Interface information

Programming Interface information

CSRYCMPD

End of Programming Interface information

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CSRYCMPD Heading Information

Common Name: Compression/Expansion dictionary mappings
Macro ID: CSRYCMPD
DSECT Name: CMPSCDICT_CE CMPSCDICT_SD CMPSCDICT_SDE CMPSCDICT_UE CMPSCDICT_PE
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: CMPSCDICT_CE -- X'0008' bytes
CMPSCDICT_SD -- X'0008' bytes
CMPSCDICT_SDE -- X'0008' bytes
CMPSCDICT_UE -- X'0008' bytes
CMPSCDICT_PE -- X'0008' bytes
Created by: User of CSRCMPSC service. Address passed as a parameter within CMPSC area provided via CBLOCK keyword of CSRCMPSC
Pointed to by: Not applicable
Serialization: None required
Function: Maps the compression and expansion dictionaries.

The compression and expansion dictionaries must both begin on page boundaries. When compressing, the expansion dictionary must immediately follow (be contiguous to) the compression dictionary.

Each dictionary consists of 512, 1024, 2048, 4096, or 8192 8-byte entries. These are indicated by a value of 1, 2, 3, 4, or 5 in the CMPSC_SYMSIZE field which is part of the parameter information passed to the CSRCMPSC service.

The compression dictionary consists of child entries (DSECT CMPSCDICT_CE), sibling descriptors (DSECT CMPSCDICT_SD), sibling descriptor extensions (DSECT CMPSDICT_SDE). Note that the latter are physically resident within the expansion dictionary.

The expansion dictionary consists of unpreceded entries (DSECT CMPSCDICT_UE) and preceded entries (DSECT CMPSDICT_PE).

CSRYCMPD Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMPSCDICT_CE	, Dictionary format for compression, Child character entry
0	(0)	BITSTRING	1	CMPSCDICT_CE_H1	First byte of header
		111.		CMPSCDICT_CE_CHILDCT	"X'E0'" Child character count
		...1 1111		CMPSCDICT_CE_EXCHILD	"X'1F'" Examine child bits
1	(1)	BITSTRING	2	CMPSCDICT_CE_H23	Second/third bytes of header
		111.		CMPSCDICT_CE_AECCT	"X'E0'" Additional extension count
		11..		CMPSCDICT_CE_EXSIB	"X'C0'" Examine sibling bits
		..1.		CMPSCDICT_CE_ADDEXTCHAR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'20'" If on, add ext character
1	(1)	BITSTRING	1	CMPSCDICT_CE_FIRSTCHILDINDEX_REPLACED	(0)
1	(1)	BITSTRING	0	CMPSCDICT_CE_FIRSTCHILDINDEX	"X'1FFF'" This mask can be used to isolate the 13-bits of field CMPSCDICT_CE_H23 that represent the index of the first child
3	(3)	CHARACTER	5	CMPSCDICT_CE_CHILDCHAR	Child character entries
		..1.		CMPSCDICT_CE_CHILDCT_1	"B'00100000'" Value of 1 for CMPSCDICT_CE_CHILDCT within field CMPSCDICT_CE_H1
		..1.		CMPSCDICT_CE_AECCT_1	"B'00100000'" Value of 1 for CMPSCDICT_CE_AECCT within field CMPSCDICT_CE_H23
3	(3)	X'8'	0	CMPSCDICT_CE_LEN	"*-CMPSCDICT_CE"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMPSCDICT_SD	, Dictionary format for compression, Sibling descriptor
0	(0)	BITSTRING	2	CMPSCDICT_SD_HD	Header
		1111		CMPSCDICT_SD_SIBCT	"X'F0'" Sibling count
0	(0)	BITSTRING	1	CMPSCDICT_SD_EXSIB_REPLACED	(0)
0	(0)	BITSTRING	0	CMPSCDICT_SD_EXSIB	"X'0FFF'" This represents a 12-bit subfield of CMPSCDICT_SD_HD. Each bit indicates to examine the corresponding sibling.
2	(2)	CHARACTER	6	CMPSCDICT_SD_CHILDCHAR	Sibling character entries
		...1		CMPSCDICT_SD_SIBCT_1	"B'00010000'" Value of 1 for CMPSCDICT_SD_SIBCT within field CMPSCDICT_SD_HD
2	(2)	X'8'	0	CMPSCDICT_SD_LEN	"*-CMPSCDICT_SD"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMPSCDICT_SDE	, Dictionary format for compression, Sibling descriptor entry in expansion dictionary
0	(0)	CHARACTER	8	CMPSCDICT_SDE_CHILDCHAR	Sibling character entries
0	(0)	X'8'	0	CMPSCDICT_SDE_LEN	"*-CMPSCDICT_SDE"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMPSCDICT_UE	, Dictionary format for expansion, Unpreceded expansion entry
0	(0)	BITSTRING	1	CMPSCDICT_UE_HD	Header
		111.		CMPSCDICT_UE_PARTSYMLEN	"X'E0'" Partial symbol length = 0
		.... .111		CMPSCDICT_UE_COMPSYMLEN	"X'07'" Completed symbol length
1	(1)	CHARACTER	7	CMPSCDICT_UE_CHARS	Extension characters

CSRYCMPD Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		1		CMPSCDICT_UE_COMPSYMLEN_1	"B'00000001'" Value of 1 for CMPSCDICT_UE_COMPSYMLEN within field CMPSCDICT_UE_HD
1	(1)	X'8'	0	CMPSCDICT_UE_LEN	"*-CMPSCDICT_UE"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMPSCDICT_PE	, Dictionary format for expansion, Preceded expansion entry
0	(0)	CHARACTER	2	CMPSCDICT_PE_HD	Header
		111.		CMPSCDICT_PE_PARTSYMLEN	"X'E0'" Partial symbol length ¬= 0
0	(0)	BITSTRING	1	CMPSCDICT_PE_PRECENTINDEX_REPLACED (0)	
0	(0)	BITSTRING	0	CMPSCDICT_PE_PRECENTINDEX	"X'1FFF'" This mask can be used to isolate the 13-bits of field CMPSCDICT_PE_HD that represent the index of the preceding entry
2	(2)	CHARACTER	5	CMPSCDICT_PE_CHARS	Extension characters
7	(7)	SIGNED	1	CMPSCDICT_PE_OFFSET	Offset where first character in CMPSCDICT_PE_CHARS belongs
		..1.		CMPSCDICT_PE_PARTSYMLEN_1	"B'00100000'" Value of 1 for CMPSCDICT_PE_PARTSYMLEN within field CMPSCDICT_PE_HD
7	(7)	X'8'	0	CMPSCDICT_PE_LEN	"*-CMPSCDICT_PE"

CSRYCMPD Cross Reference

Name	Hex Offset	Hex Value
CMPSCDICT_CE	0	
CMPSCDICT_CE_ADDEXTCHAR	1	20
CMPSCDICT_CE_AECCT	1	E0
CMPSCDICT_CE_AECCT_1	3	20
CMPSCDICT_CE_CHILDCHAR	3	
CMPSCDICT_CE_CHILDCT	0	E0
CMPSCDICT_CE_CHILDCT_1	3	20
CMPSCDICT_CE_EXCHILD	0	1F
CMPSCDICT_CE_EXSIB	1	C0
CMPSCDICT_CE_FIRSTCHILDINDEX	1	1FFF
CMPSCDICT_CE_FIRSTCHILDINDEX_REPLACED	1	
CMPSCDICT_CE_H1	0	
CMPSCDICT_CE_H23	1	
CMPSCDICT_CE_LEN	3	8
CMPSCDICT_PE	0	
CMPSCDICT_PE_CHARS	2	
CMPSCDICT_PE_HD	0	
CMPSCDICT_PE_LEN	7	8
CMPSCDICT_PE_OFFSET	7	
CMPSCDICT_PE_PARTSYMLEN	0	E0
CMPSCDICT_PE_PARTSYMLEN_1	7	20
CMPSCDICT_PE_PRECENTINDEX	0	1FFF
CMPSCDICT_PE_PRECENTINDEX_REPLACED	0	
CMPSCDICT_SD	0	
CMPSCDICT_SD_CHILDCHAR	2	
CMPSCDICT_SD_EXSIB	0	FFF
CMPSCDICT_SD_EXSIB_REPLACED	0	
CMPSCDICT_SD_HD	0	
CMPSCDICT_SD_LEN	2	8
CMPSCDICT_SD_SIBCT		

Name	Hex Offset	Hex Value
	0	F0
CMPSCDICT_SD_SIBCT_1		
	2	10
CMPSCDICT_SDE		
	0	
CMPSCDICT_SDE_CHILDCHAR		
	0	
CMPSCDICT_SDE_LEN		
	0	8
CMPSCDICT_UE	0	
CMPSCDICT_UE_CHARS		
	1	
CMPSCDICT_UE_COMPSYMLEN		
	0	7
CMPSCDICT_UE_COMPSYMLEN_1		
	1	1
CMPSCDICT_UE_HD		
	0	
CMPSCDICT_UE_LEN		
	1	8
CMPSCDICT_UE_PARTSYMLEN		
	0	E0

CSRYCMPS Programming Interface information

Programming Interface information

CSRYCMPS

End of Programming Interface information

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CSRYCMPS Heading Information

Common Name: Compression parameter block
Macro ID: CSRYCMPS
DSECT Name: CMPSC
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: CMPSC -- X'0024' bytes
Created by: Caller of CSRCMPSC service and passed as parameter on CBLOCK keyword on CSRCMPSC
Pointed to by: Not applicable
Serialization: None required
Function: Maps the compression service parameter area.

It represents the data needed by the compression service for which it is to be specified on the CBLOCK keyword.

Provides equates for return codes from the compression service.

CSRYCMPS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CMPSC	, Compression parameter block
0	(0)	BITSTRING	4	CMPSC_FLAGS	Flag bits within which only the SymSize and Expand fields should be set. All other fields must be 0.
0	(0)	BITSTRING	1	CMPSC_FLAGS_BYTE0	Byte 0 of flags
1	(1)	BITSTRING	1	CMPSC_FLAGS_BYTE1	Byte 1 of flags
2	(2)	BITSTRING	1	CMPSC_FLAGS_BYTE2	Byte 2 of flags
		1111		CMPSC_SYMSIZE	"X'F0'" When 8 is added, indicates size in bits of a compressed entry. Must be 1-5. You can use the assembler CMPSC_SYMSIZE equate to define a value that you can use to clear the field prior to use. You can use the assembler equates CMPSC_SYMSIZE_n to set the field
		1		CMPSC_EXPAND	"X'01'" If on, do an expand operation. Otherwise compress
3	(3)	BITSTRING	1	CMPSC_FLAGS_BYTE3	Byte 3 of flags
4	(4)	ADDRESS	4	CMPSC_DICTADDR	Address of the dictionary for the compress/expand function on a page boundary. Low order 12 bits of the field are treated as 0s when forming the address. Low order 3 bits contain a bit number.
4	(4)	BITSTRING	3		
7	(7)	BITSTRING	1	CMPSC_DICTADDR_BYTE3	"X'E3'" If compressing, place the first compression symbol at this bit in the leftmost byte. If expanding, expand beginning with the compression symbol that begins with this bit in the left-most byte. Normally, this bit should be set to 0 for the start of
		.... .111		CMPSC_BITNUM	compression. For expansion, it should be set to the same value used for the start of compression. Upon completion of the operation, the value is set to the bit number of the bit following the last bit of compressed data.
8	(8)	ADDRESS	4	CMPSC_TARGETADDR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of area to which compression/expansion is to be done. Upon completion of the request, this address has been increased by the number of bytes processed.
12	(C)	SIGNED	4	CMPSC_TARGETLEN	
					Length of area to which compression/expansion is to be done. Upon completion of the request, this length has been decreased by the number of bytes processed.
16	(10)	ADDRESS	4	CMPSC_SOURCEADDR	
					Address of area from which compression/expansion is to be done. Upon completion of the request, this address has been increased by the number of bytes processed.
20	(14)	SIGNED	4	CMPSC_SOURCELEN	
					Length of area from which compression/expansion is to be done. For expansion, the length should be the difference between the TargetLen at completion of compression and the TargetLen at start of compression, incremented by 1 if field CMPSC_BITNUM was non-zero upon completion of compression. Upon completion of the request, this length has been decreased by the number of bytes processed.
24	(18)	SIGNED	4	CMPSC_TARGETALET	
					The ALET of the space in which the target area resides. Should be 0 for primary ASC mode callers.
28	(1C)	SIGNED	4	CMPSC_SOURCEALET	
					The ALET of the space in which the source area resides. Also the ALET of the space in which the dictionary resides. Should be 0 for primary ASC mode callers.
32	(20)	ADDRESS	4	CMPSC_WORKAREAADDR	
					Address of a 192-byte work area for use by the compression service. This area does not need to be provided if you have verified, by checking that bit CVTCMPSH is on, that the hardware CMPSC instruction is present. This work area should begin on a doubleword boundary.
				Comment	
				Constants for setting CMPSC_SYMSIZE bits within CMPSC_FLAGS_BYTE2	
				End of Comment	
		...1		CMPSC_SYMSIZE_1	
					"B'00010000'" Symbol size of 1
		..1.		CMPSC_SYMSIZE_2	
					"B'00100000'" Symbol size of 2
		..11		CMPSC_SYMSIZE_3	
					"B'00110000'" Symbol size of 3
		.1..		CMPSC_SYMSIZE_4	
					"B'01000000'" Symbol size of 4
		.1.1		CMPSC_SYMSIZE_5	
					"B'01010000'" Symbol size of 5
				Comment	
				Return codes	
				End of Comment	
32	(20)	X'0'	0	CMPSC_RETCODE_OK	
					"0" No errors detected.
32	(20)	X'4'	0	CMPSC_RETCODE_TARGET	
					"4" Target operand exhausted before source.
32	(20)	X'10'	0	CMPSC_RETCODE_MISSINGOP	
					"16" An operand is missing.
32	(20)	X'14'	0	CMPSC_RETCODE_BADSYMSIZE	
					"20" Value in CMPSC_SYMSIZE is not supported. Must be 1-5.
32	(20)	X'18'	0	CMPSC_RETCODE_NOWORK	

CSRYCMPS Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"24" No work to do. The compression area length (the target for compression, the source for expansion) is not large enough to hold even one compression symbol.
32	(20)	X'1C'	0	CMPSC_RETCODE_SYMBOLTOOLONG	
					"28" Compression dictionary processing exceeded the limit of 260 for the length of a compressed symbol
32	(20)	X'20'	0	CMPSC_RETCODE_TOOMANYCHILDREN	
					"32" A dictionary entry exceeded the limit of 260 total children
32	(20)	X'24'	0	CMPSC_RETCODE_BADCHILDCOUNT	
					"36" A dictionary entry exceeded the limit of a child count of 6
32	(20)	X'28'	0	CMPSC_RETCODE_BADEXTCOUNT	
					"40" A dictionary entry exceeded the limit of 4 extension characters when there were 0 or 1 children
32	(20)	X'2C'	0	CMPSC_RETCODE_BADSIBCOUNT	
					"44" A sibling descriptor dictionary entry has a count of 0
32	(20)	X'30'	0	CMPSC_RETCODE_TOOMANYENTRIES	
					"48" Expansion of a symbol used more than 127 dictionary entries
32	(20)	X'24'	0	CMPSC_LEN	"*-CMPSC"

CSRYCMPS Cross Reference

Name	Hex Offset	Hex Value
CMPSC	0	
CMPSC_BITNUM	7	7
CMPSC_DICTADDR	4	
CMPSC_DICTADDR_BYTE3	7	
CMPSC_EXPAND	2	1
CMPSC_FLAGS	0	
CMPSC_FLAGS_BYTE0	0	
CMPSC_FLAGS_BYTE1	1	
CMPSC_FLAGS_BYTE2	2	
CMPSC_FLAGS_BYTE3	3	
CMPSC_LEN	20	24
CMPSC_RETCODE_BADCHILDCOUNT	20	24
CMPSC_RETCODE_BADEXTCOUNT	20	28
CMPSC_RETCODE_BADSIBCOUNT	20	2C
CMPSC_RETCODE_BADSYMSIZE	20	14
CMPSC_RETCODE_MISSINGOP	20	10
CMPSC_RETCODE_NOWORK	20	18
CMPSC_RETCODE_OK	20	0
CMPSC_RETCODE_SYMBOLTOOLONG	20	1C
CMPSC_RETCODE_TARGET	20	4
CMPSC_RETCODE_TOOMANYCHILDREN	20	20
CMPSC_RETCODE_TOOMANYENTRIES	20	30
CMPSC_SOURCEADDR	10	
CMPSC_SOURCEALET	1C	
CMPSC_SOURCELEN	14	
CMPSC_SYMSIZE	2	F0
CMPSC_SYMSIZE_1	20	10
CMPSC_SYMSIZE_2	20	20
CMPSC_SYMSIZE_3	20	30
CMPSC_SYMSIZE_4	20	40
CMPSC_SYMSIZE_5	20	50
CMPSC_TARGETADDR	8	
CMPSC_TARGETALET	18	
CMPSC_TARGETLEN	C	
CMPSC_WORKAREAADDR	20	

CSRYL16J Programming Interface information

Programming Interface information

CSRYL16J

End of Programming Interface information

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CSRYL16J Heading Information

Common Name: Load 16 and Jump Area
Macro ID: CSRYL16J
DSECT Name: L16J -- original parameter area L16J1 -- use when 64-bit GPR updates are needed
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
Key: User-supplied
Residency: User-supplied
Size: L16J -- X'00A8' bytes
L16J1 -- X'0130' bytes
Created by: User of CSRL16J. Passed as a parameter to CSRL16J
Pointed to by: Parameter list passed to CSRL16J
Serialization: None required
Function: Maps the data passed into CSRL16J

CSRYL16J Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	L16J	Start of area
0	(0)	SIGNED	4	L16JVERSION	Version -- Must be 0
4	(4)	SIGNED	4	L16JLENGTH	Initialize to L16J_LEN (ASM) or Length(L16J) (PL/X)
8	(8)	SIGNED	4	L16JSUBPOOL	Subpool of storage to be freed
12	(C)	CHARACTER	64	L16JGRS (0)	General registers
12	(C)	SIGNED	4	L16JGR	General register 0-15
76	(4C)	CHARACTER	64	L16JARS (0)	Access registers
76	(4C)	SIGNED	4	L16JAR	Access register 0-15
140	(8C)	CHARACTER	8	L16JPSW (0)	PSW: the processing will use the address, Amode, ASC mode, CC, and program mask. For a supervisor state or PKM 0-7 or key 0-7 caller, it will use the state and key from the PSW. Otherwise, it will set to caller key and state.
140	(8C)	BITSTRING	4	L16JPSWBYTE0TO3	First 4 bytes
144	(90)	ADDRESS	4	L16JPSWADDR (0)	Address and AMODE
		1...		L16JPSWAMODE	"X'80'" AMODE
148	(94)	BITSTRING	1	L16JFLAGS (0)	Flags
		1...		L16JPROCESSARS	"X'80'" If on, ARs will be processed. Otherwise not. If not processed, ARs 0, 1, 14, and 15 are unpredictable. ARs 2-13 are taken from the values present when the service is entered.
149	(95)	CHARACTER	3	L16JRSVD	Reserved
152	(98)	ADDRESS	4	L16JAREATOFREE	Address of area to free. If this is non-0 and the length is non-0 then the area will be freed, using the subpool specified in L16JSubpool. This can be used to free the caller's entire dynamic area if so desired. When this option is specified, it is necessary that the area begin on a doubleword boundary.
156	(9C)	SIGNED	4	L16JLENGTHTOFREE	Length of area to free, in bytes
160	(A0)	CHARACTER	8		Reserved. Must change version number in order to use.
160	(A0)	X'A8'	0	L16J_LEN	"*-L16J"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	L16J1	Use L16J1 as opposed to L16J when 64-bit GPR processing is needed
0	(0)	SIGNED	4	L16J1VERSION	Version -- Must be 1

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	SIGNED	4	L16J1LENGTH	Initialize to L16J1_LEN (ASM) or Length(L16J1) (PL/X)
8	(8)	SIGNED	4	L16J1SUBPOOL	Subpool of storage to be freed
12	(C)	CHARACTER	64	L16J1RSVD1	Reserved. Must be zeroes.
76	(4C)	CHARACTER	64	L16J1ARS (0)	Access registers
76	(4C)	SIGNED	4	L16J1AR	Access register 0-15
140	(8C)	CHARACTER	8	L16J1RSVD2	Reserved. Must be zeroes
148	(94)	BITSTRING	1	L16J1FLAGS (0)	Flags
		1...		L16J1PROCESSARS	
					"X'80'" If on, ARs will be processed. Otherwise not. If not processed, ARs 0, 1, 14, and 15 are unpredictable. ARs 2-13 are taken from the values present when the service is entered.
149	(95)	CHARACTER	3	L16J1RSVD	Reserved. Must be zeroes.
152	(98)	ADDRESS	4	L16J1AREATOFREE	
					Address of area to free. If this is non-0 and the length is non-0 then the area will be freed, using the subpool specified in L16J1Subpool. This can be used to free the caller's entire dynamic area if so desired. When this option is specified, it is necessary that the area begin on a doubleword boundary.
156	(9C)	SIGNED	4	L16J1LENGTHTOFREE	
					Length of area to free, in bytes
160	(A0)	CHARACTER	128	L16J1G64RS (0)	64-bit GPRs
160	(A0)	CHARACTER	8	L16J1G64R	General register 0-15
288	(120)	CHARACTER	16	L16J1PSWE (0)	z/Architecture PSW: the processing will use the address, Amode, ASC mode, CC, and program mask. For a supervisor state or PKM 0-7 or key 0-7 caller, it will use the state and key from the PSW. Otherwise, it will set to caller key and state.
288	(120)	BITSTRING	4	L16J1PSWEBYTE0TO3 (0)	
					First 4 bytes
288	(120)	BITSTRING	1	L16J1PSWEBYTE0	
					First byte
289	(121)	BITSTRING	1	L16J1PSWEBYTE1	
					Second byte
290	(122)	BITSTRING	1	L16J1PSWEBYTE2	
					Third byte
291	(123)	BITSTRING	1	L16J1PSWEBYTE3 (0)	
					Fourth byte
		1		L16J1PSWEAMODE64	
					"X'01'" Indicates AMODE 64 (with PSW bit 32 on also)
292	(124)	BITSTRING	4	L16J1PSWEBYTE4TO7 (0)	
					Next 4 bytes
		1...		L16J1PSWEAMODE31	
					"X'80'" Indicates AMODE 31
296	(128)	BITSTRING	8	L16J1PSWEADDR	
					Instruction address
296	(128)	X'130'	0	L16J1_LEN	"*-L16J1"

CSRYL16J Cross Reference

Name	Hex Offset	Hex Value
L16J	0	
L16J_LEN	A0	A8
L16JAR	4C	
L16JAREATOFREE	98	
L16JARS	4C	
L16JFLAGS	94	
L16JGR	C	
L16JGRS	C	
L16JLENGTH	4	
L16JLENGTHTOFREE	9C	
L16JPROCESSARS	94	80
L16JPSW	8C	
L16JPSWADDR	90	
L16JPSWAMODE	90	80
L16JPSWBYTE0TO3	8C	
L16JRSVD	95	
L16JSUBPOOL	8	
L16JVERSION	0	
L16J1	0	
L16J1_LEN	128	130
L16J1AR	4C	
L16J1AREATOFREE	98	
L16J1ARS	4C	
L16J1FLAGS	94	
L16J1G64R	A0	
L16J1G64RS	A0	
L16J1LENGTH	4	
L16J1LENGTHTOFREE	9C	
L16J1PROCESSARS	94	80
L16J1PSWE	120	
L16J1PSWEADDR	128	
L16J1PSWEAMODE31	124	80
L16J1PSWEAMODE64	123	1
L16J1PSWEBYTE0	120	
L16J1PSWEBYTE0TO3	120	
L16J1PSWEBYTE1	121	
L16J1PSWEBYTE2	122	
L16J1PSWEBYTE3	123	
L16J1PSWEBYTE4TO7	124	
L16J1RSVD	95	
L16J1RSVD1	C	
L16J1RSVD2	8C	
L16J1SUBPOOL	8	
L16J1VERSION	0	

CSRYUNIC Programming Interface information

Programming Interface information

CSRYUNIC

End of Programming Interface information

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CSRYUNIC Heading Information

Common Name: Unicode Services parameter blocks
Macro ID: CSRYUNIC
DSECT Name: UNIC_CONST UNIC_MVCLU UNIC_CLCLU UNIC_TP UNIC_PKA UNIC_PKU UNIC_UNPKA UNIC_UNPKU UNIC_TRTT UNIC_TRTO UNIC_TROT UNIC_TROO UNIC_TRE UNIC_CUUTF UNIC_CUTFU
Owning Component: Callable Services (SCCSR)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: UNIC_CONST -- X'0000' bytes
UNIC_MVCLU -- X'0040' bytes
UNIC_CLCLU -- X'0040' bytes
UNIC_TP -- X'0040' bytes
UNIC_PKA -- X'0040' bytes
UNIC_PKU -- X'0040' bytes
UNIC_UNPKA -- X'0040' bytes
UNIC_UNPKU -- X'0040' bytes
UNIC_TRTT -- X'0040' bytes
UNIC_TRTO -- X'0040' bytes
UNIC_TROT -- X'0040' bytes
UNIC_TROO -- X'0040' bytes
UNIC_TRE -- X'0040' bytes
UNIC_CUUTF -- X'0040' bytes
UNIC_CUTFU -- X'0040' bytes
Created by: Caller of CSRUNIC service and passed as parameter on PBLOCK keyword on CSRUNIC
Pointed to by: Not applicable
Serialization: None required
Function: Maps the compression service parameter area.

It represents the data needed by the compression service for which it is to be specified on the CBLOCK keyword.

Provides equates for return codes from the compression service.

CSRYUNIC Map

Offsets					
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	UNIC_CONST	
0	(0)	X'100'	0	UNIC_WORKAREA_LEN	"256"
0	(0)	X'40'	0	UNIC_PBLOCK_LEN	"64"

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
CSRUNIC Return and Reason Code definitions					
End of Comment					
		....		UNIC_MVCLU_RC_OPLENGTHSEQUAL	"X'00000000'" Meaning: the operand lengths were the same Action: None required
		.... .1..		UNIC_MVCLU_RC_TARGETLENGTHSHORTER	"X'00000004'" Meaning: The target operand was shorter than the source operand Action: None required
		.... 1...		UNIC_MVCLU_RC_TARGETLENGTHLONGER	"X'00000008'" Meaning: The target operand was longer than the source operand Action: None required
		...1		UNIC_MVCLU_RC_TARGETLENGTHNOTEVEN	"X'00000010'" Meaning: The target operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=MVCLU when the target operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 .1..		UNIC_MVCLU_RC_SOURCELENGTHNOTEVEN	"X'00000014'" Meaning: The source operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=MVCLU when the source operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 11..		UNIC_MVCLU_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_CLCLU_RC_OPERANDSEQUAL	"X'00000000'" Meaning: the two operands were equal Action: None required
		.... .1..		UNIC_CLCLU_RC_LEFTOPLESSTHANRIGHT	"X'00000004'" Meaning: The left operand was less than the right operand Action: None required
		.... 1...		UNIC_CLCLU_RC_RIGHTOPLESSTHANLEFT	"X'00000008'" Meaning: The right operand was less than the left operand Action: None required
		...1		UNIC_CLCLU_RC_LEFTOPLENGTHNOTEVEN	"X'00000010'" Meaning: The left operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=CLCLU when the left operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 .1..		UNIC_CLCLU_RC_RIGHTOPLENGTHNOTEVEN	"X'00000014'" Meaning: The right operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=CLCLU when the right operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 11..		UNIC_CLCLU_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_TP_RC_VALID	"X'00000000'" Meaning: the operand is a valid packed number Action: None required
		.... .1..		UNIC_TP_RC_SIGNNOTVALID	"X'00000004'" Meaning: The sign of the operand was not valid. All the digits were valid. Action: None required
		.... 1...		UNIC_TP_RC_DIGITNOTVALID	"X'00000008'" Meaning: One or more digits of the operand were not valid. The sign was valid. Action: None required
		.... 11..		UNIC_TP_RC_SIGNDIGITNOTVALID	"X'0000000C'" Meaning: The sign and one or more digits of the operand were not valid. Action: None required

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1 11..		UNIC_TP_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_PKA_RC_OK	"X'00000000'" Meaning: The pack operation completed successfully Action: None required
		...1 .1..		UNIC_PKA_RC_SOURCELENGTHNOTVALID	"X'00000014'" Meaning: The length of the source operand exceeded 32 bytes (i.e., the LengthMinusOne exceeded 31) Action: Avoid calling CSRUNIC REQUEST=PKA for an operand longer than 32 bytes
		...1 11..		UNIC_PKA_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_PKU_RC_OK	"X'00000000'" Meaning: The pack operation completed successfully Action: None required
		...1 .1..		UNIC_PKU_RC_SOURCELENGTHNOTVALID	"X'00000014'" Meaning: The length of the source operand exceeded 64 bytes (i.e., the LengthMinusOne exceeded 63) Action: Avoid calling CSRUNIC REQUEST=PKU for an operand longer than 64 bytes
		..1. .1..		UNIC_PKU_RC_SOURCELENGTHNOTEVEN	"X'00000024'" Meaning: The source operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=PKU when the source operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 11..		UNIC_PKU_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_UNPKA_RC_POSITIVE	"X'00000000'" Meaning: The operand represented a positive number Action: None required
		.... .1..		UNIC_UNPKA_RC_NEGATIVE	"X'00000004'" Meaning: The operand represented a negative number Action: None required
		.... 11..		UNIC_UNPKA_RC_BADSIGN	"X'0000000C'" Meaning: The operand did not have a valid sign Action: None required
		...1 .1..		UNIC_UNPKA_RC_TARGETLENGTHNOTVALID	"X'00000014'" Meaning: The length of the target operand exceeded 32 bytes (i.e., the LengthMinusOne exceeded 31) Action: Avoid calling CSRUNIC REQUEST=PKA for an operand longer than 32 bytes
		...1 11..		UNIC_UNPKA_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_UNPKU_RC_POSITIVE	"X'00000000'" Meaning: The operand represented a positive number Action: None required
		.... .1..		UNIC_UNPKU_RC_NEGATIVE	"X'00000004'" Meaning: The operand represented a negative number Action: None required
		.... 11..		UNIC_UNPKU_RC_BADSIGN	"X'0000000C'" Meaning: The operand did not have a valid sign Action: None required
		...1 .1..		UNIC_UNPKU_RC_TARGETLENGTHNOTVALID	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'00000014'" Meaning: The length of the target operand exceeded 64 bytes (i.e., the LengthMinusOne exceeded 63) Action: Avoid calling CSRUNIC REQUEST=PKU for an operand longer than 64 bytes
		..1. .1..		UNIC_UNPKU_RC_TARGETLENGTHNOTEVEN	"X'00000024'" Meaning: The target operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=UNPKU when the target operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 11..		UNIC_UNPKU_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_TRTT_RC_TESTCHARNOTFOUND	"X'00000000'" Meaning: The translation completed. The test character was not found. Action: None required
		.... .1..		UNIC_TRTT_RC_TESTCHARFOUND	"X'00000004'" Meaning: The test character was found. The operation ended at that point. Action: None required
		...1		UNIC_TRTT_RC_LENGTHNOTEVEN	"X'00000010'" Meaning: The operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=TRTT when the operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 11..		UNIC_TRTT_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		..1.		UNIC_TRTT_RC_TABLENOTALIGNED	"X'00000020'" Meaning: The table provided was not on a page boundary. Action: Make sure that the table is on a page boundary.
		....		UNIC_TRTO_RC_TESTCHARNOTFOUND	"X'00000000'" Meaning: The translation completed. The test character was not found. Action: None required
		.... .1..		UNIC_TRTO_RC_TESTCHARFOUND	"X'00000004'" Meaning: The test character was found. The operation ended at that point. Action: None required
		...1		UNIC_TRTO_RC_LENGTHNOTEVEN	"X'00000010'" Meaning: The operand was not an even number of bytes Action: Only call CSRUNIC FUNCTION=TRTO when the operand is an even number of bytes (i.e., a whole number of unicode characters)
		...1 11..		UNIC_TRTO_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		..1.		UNIC_TRTO_RC_TABLENOTALIGNED	"X'00000020'" Meaning: The table provided was not on a page boundary. Action: Make sure that the table is on a page boundary.
		....		UNIC_TROT_RC_TESTCHARNOTFOUND	"X'00000000'" Meaning: The translation completed. The test character was not found. Action: None required
		.... .1..		UNIC_TROT_RC_TESTCHARFOUND	"X'00000004'" Meaning: The test character was found. The operation ended at that point. Action: None required
		...1 11..		UNIC_TROT_RC_WORKAREANOTALIGNED	"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		..1.		UNIC_TROT_RC_TABLENOTALIGNED	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'00000020'" Meaning: The table provided was not on a doubleword boundary. Action: Make sure that the table is on a doubleword boundary.
		....		UNIC_TROO_RC_TESTCHARNOTFOUND	
					"X'00000000'" Meaning: The translation completed. The test character was not found. Action: None required
		.... .1..		UNIC_TROO_RC_TESTCHARFOUND	
					"X'00000004'" Meaning: The test character was found. The operation ended at that point. Action: None required
		...1 11..		UNIC_TROO_RC_WORKAREANOTALIGNED	
					"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		..1.		UNIC_TROO_RC_TABLENOTALIGNED	
					"X'00000020'" Meaning: The table provided was not on a doubleword boundary. Action: Make sure that the table is on a doubleword boundary.
		....		UNIC_TRE_RC_TESTCHARNOTFOUND	
					"X'00000000'" Meaning: The translation completed. The test character was not found. Action: None required
		.... .1..		UNIC_TRE_RC_TESTCHARFOUND	
					"X'00000004'" Meaning: The test character was found. The operation ended at that point. Action: None required
		...1 11..		UNIC_TRE_RC_WORKAREANOTALIGNED	
					"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_CUUTF_RC_SOURCEEXHAUSTED	
					"X'00000000'" Meaning: All unicode characters in the source were converted to their UTF-8 equivalents. Action: None required
		.... .1..		UNIC_CUUTF_RC_TARGETEXHAUSTED	
					"X'00000004'" Meaning: The target operand did not have enough room to hold the UTF-8 equivalents of all of the source unicode characters. Action: Provide a larger target area.
		...1 11..		UNIC_CUUTF_RC_WORKAREANOTALIGNED	
					"X'0000001C'" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.
		....		UNIC_CUTFU_RC_SOURCEEXHAUSTED	
					"X'00000000'" Meaning: All UTF-8 characters in the source were converted to their unicode equivalents. Action: None required
		.... .1..		UNIC_CUTFU_RC_TARGETEXHAUSTED	
					"X'00000004'" Meaning: The target operand did not have enough room to hold the unicode equivalents of all of the source UTF-8 characters. Action: Provide a larger target area.
		.... 1...		UNIC_CUTFU_RC_BADUTF8CHAR	
					"X'00000008'" Meaning: A character in the source operand was not a valid UTF-8 character. Action: Make sure that the source operand contains only valid UTF-8 characters.
		...1 11..		UNIC_CUTFU_RC_WORKAREANOTALIGNED	
					"X'0000001C'"
0	(0)	X'0'	0	UNIC_CONST_LEN	
					"*-UNIC_CONST" Meaning: The workarea provided was not on a doubleword boundary. Action: Make sure that the workarea is on a doubleword boundary.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UNIC_MVCLU	MVCLU parameter block
0	(0)	ADDRESS	4	UNIC_MVCLU_TARGETADDR	
					Address of the target area

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
4	(4)	SIGNED	4	UNIC_MVCLU_TARGETLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_MVCLU_SOURCEADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_MVCLU_SOURCELEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_MVCLU_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	2	UNIC_MVCLU_PADCHAR	Unicode PAD character
22	(16)	CHARACTER	2		Reserved
24	(18)	SIGNED	4	UNIC_MVCLU_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_MVCLU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_MVCLU_WORKAREAALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_MVCLU_LEN	"*-UNIC_MVCLU"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_CLCLU	CLCLU parameter block
0	(0)	ADDRESS	4	UNIC_CLCLU_LEFTOPADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_CLCLU_LEFTOPLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_CLCLU_RIGHTOPADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_CLCLU_RIGHTOPLEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_CLCLU_LEFTOPALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	2	UNIC_CLCLU_PADCHAR	Unicode PAD character
22	(16)	CHARACTER	2		Reserved
24	(18)	SIGNED	4	UNIC_CLCLU_RIGHTOPALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_CLCLU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_CLCLU_WORKAREAALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_CLCLU_LEN	"*-UNIC_CLCLU"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_TP	TP parameter block
0	(0)	ADDRESS	4	UNIC_TP_AREAADDR	Address of the area to be tested
4	(4)	SIGNED	4	UNIC_TP_LENMINUSONE	Length minus one of the area
8	(8)	SIGNED	4	UNIC_TP_AREAALET	ALET of the area to be tested. Use 0 if not in AR-mode.
12	(C)	ADDRESS	4	UNIC_TP_WORKAREAADDR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of 256-byte workarea on doubleword boundary
16	(10)	SIGNED	4	UNIC_TP_WORKAREAALET	
					ALET of workarea
20	(14)	CHARACTER	40		
64	(40)	X'40'	0	UNIC_TP_LEN	"*-UNIC_TP"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_PKA	PKA parameter block
0	(0)	ADDRESS	4	UNIC_PKA_TARGETADDR	
					Address of the target area
4	(4)	SIGNED	4	UNIC_PKA_SOURCELENMINUSONE	
					Length minus one of the source area
8	(8)	ADDRESS	4	UNIC_PKA_SOURCEADDR	
					Address of the Source area
12	(C)	ADDRESS	4	UNIC_PKA_TARGETALET	
					ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_PKA_SOURCEALET	
					ALET of the source area
24	(18)	ADDRESS	4	UNIC_PKA_WORKAREAADDR	
					Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_PKA_WORKAREAALET	
					ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_PKA_LEN	"*-UNIC_PKA"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_PKU	PKU parameter block
0	(0)	ADDRESS	4	UNIC_PKU_TARGETADDR	
					Address of the target area
4	(4)	SIGNED	4	UNIC_PKU_SOURCELENMINUSONE	
					Length minus one of the target area
8	(8)	ADDRESS	4	UNIC_PKU_SOURCEADDR	
					Address of the Source area
12	(C)	ADDRESS	4	UNIC_PKU_TARGETALET	
					ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_PKU_SOURCEALET	
					ALET of the source area
24	(18)	ADDRESS	4	UNIC_PKU_WORKAREAADDR	
					Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_PKU_WORKAREAALET	
					ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_PKU_LEN	"*-UNIC_PKU"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_UNPKA	UNPKA parameter block
0	(0)	ADDRESS	4	UNIC_UNPKA_TARGETADDR	
					Address of the target area
4	(4)	SIGNED	4	UNIC_UNPKA_TARGETLENMINUSONE	
					Length minus one of the target area
8	(8)	ADDRESS	4	UNIC_UNPKA_SOURCEADDR	
					Address of the Source area
12	(C)	ADDRESS	4	UNIC_UNPKA_TARGETALET	
					ALET of the target area

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_UNPKA_SOURCEALET	ALET of the source area
24	(18)	ADDRESS	4	UNIC_UNPKA_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_UNPKA_WORKAREAALET	ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_UNPKA_LEN	"*-UNIC_UNPKA"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_UNPKU	UNPKU parameter block
0	(0)	ADDRESS	4	UNIC_UNPKU_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_UNPKU_TARGETLENMINUSONE	Length minus one of the target area
8	(8)	ADDRESS	4	UNIC_UNPKU_SOURCEADDR	Address of the Source area
12	(C)	ADDRESS	4	UNIC_UNPKU_TARGETALET	ALET of the target area
16	(10)	CHARACTER	4		
20	(14)	SIGNED	4	UNIC_UNPKU_SOURCEALET	ALET of the source area
24	(18)	ADDRESS	4	UNIC_UNPKU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
28	(1C)	SIGNED	4	UNIC_UNPKU_WORKAREAALET	ALET of workarea
32	(20)	CHARACTER	32		
32	(20)	X'40'	0	UNIC_UNPKU_LEN	"*-UNIC_UNPKU"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_TRTT	TRTT parameter block
0	(0)	ADDRESS	4	UNIC_TRTT_TABLEADDR	Address of the 128K translate table. It must be on a page boundary.
4	(4)	ADDRESS	4	UNIC_TRTT_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TRTT_LENGTH	Length of the source and target areas
12	(C)	ADDRESS	4	UNIC_TRTT_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TRTT_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TRTT_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	2	UNIC_TRTT_TESTCHAR	Unicode test character
26	(1A)	CHARACTER	2		Reserved
28	(1C)	SIGNED	4	UNIC_TRTT_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TRTT_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TRTT_WORKAREAALET	ALET of workarea

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TRTT_LEN	"*-UNIC_TRTT"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_TRTO	TRTO parameter block
0	(0)	ADDRESS	4	UNIC_TRTO_TABLEADDR	Address of the 64K translate table. It must be on a page boundary.
4	(4)	ADDRESS	4	UNIC_TRTO_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TRTO_LENGTH	Length of the source area in bytes. This is twice the length of the target area.
12	(C)	ADDRESS	4	UNIC_TRTO_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TRTO_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TRTO_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	1	UNIC_TRTO_TESTCHAR	Test character
25	(19)	CHARACTER	3		Reserved
28	(1C)	SIGNED	4	UNIC_TRTO_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TRTO_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TRTO_WORKAREAALET	ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TRTO_LEN	"*-UNIC_TRTO"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_TROT	TROT parameter block
0	(0)	ADDRESS	4	UNIC_TROT_TABLEADDR	Address of the 512-byte translate table. It must be on a doubleword boundary.
4	(4)	ADDRESS	4	UNIC_TROT_TARGETADDR	Address of the target area
8	(8)	SIGNED	4	UNIC_TROT_LENGTH	Length of the source area in bytes. This is half the length of the target area.
12	(C)	ADDRESS	4	UNIC_TROT_SOURCEADDR	Address of the Source area
16	(10)	SIGNED	4	UNIC_TROT_TABLEALET	ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TROT_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	2	UNIC_TROT_TESTCHAR	Unicode test character
26	(1A)	CHARACTER	2		Reserved
28	(1C)	SIGNED	4	UNIC_TROT_SOURCEALET	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TROT_WORKAREAADDR	
					Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TROT_WORKAREAALET	
					ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TROT_LEN	
					"*-UNIC_TROT"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_TROO	TROO parameter block
0	(0)	ADDRESS	4	UNIC_TROO_TABLEADDR	
					Address of the 256-byte translate table. It must be on a doubleword boundary.
4	(4)	ADDRESS	4	UNIC_TROO_TARGETADDR	
					Address of the target area
8	(8)	SIGNED	4	UNIC_TROO_LENGTH	
					Length of the source and target areas in bytes
12	(C)	ADDRESS	4	UNIC_TROO_SOURCEADDR	
					Address of the Source area
16	(10)	SIGNED	4	UNIC_TROO_TABLEALET	
					ALET to use to access the translate table area. Use 0 if not in AR mode
20	(14)	SIGNED	4	UNIC_TROO_TARGETALET	
					ALET to use to access the target area. Use 0 if not in AR mode
24	(18)	CHARACTER	1	UNIC_TROO_TESTCHAR	
					Test character
25	(19)	CHARACTER	3		Reserved
28	(1C)	SIGNED	4	UNIC_TROO_SOURCEALET	
					ALET to use to access the target area. Use 0 if not in AR mode
32	(20)	ADDRESS	4	UNIC_TROO_WORKAREAADDR	
					Address of 256-byte workarea on doubleword boundary
36	(24)	SIGNED	4	UNIC_TROO_WORKAREAALET	
					ALET of workarea
40	(28)	CHARACTER	24		
40	(28)	X'40'	0	UNIC_TROO_LEN	
					"*-UNIC_TROO"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_TRE	TRE parameter block
0	(0)	ADDRESS	4	UNIC_TRE_AREAADDR	
					Address of the source/target area
4	(4)	SIGNED	4	UNIC_TRE_LENGTH	
					Length of the source/target area
8	(8)	ADDRESS	4	UNIC_TRE_TABLEADDR	
					Address of the 256-byte translate table
12	(C)	CHARACTER	3		Reserved
15	(F)	CHARACTER	1	UNIC_TRE_TESTCHAR	
					Test character
16	(10)	SIGNED	4	UNIC_TRE_AREAALET	
					ALET to use to access the source/target area. Use 0 if not in AR mode
20	(14)	CHARACTER	4		Reserved
24	(18)	SIGNED	4	UNIC_TRE_TABLEALET	
					ALET to use to access the translate table area. Use 0 if not in AR mode

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
28	(1C)	ADDRESS	4	UNIC_TRE_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_TRE_WORKAREAALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_TRE_LEN	"*-UNIC_TRE"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_CUUTF	CUUTF parameter block
0	(0)	ADDRESS	4	UNIC_CUUTF_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_CUUTF_TARGETLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_CUUTF_SOURCEADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_CUUTF_SOURCELEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_CUUTF_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	4		Reserved
24	(18)	SIGNED	4	UNIC_CUUTF_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_CUUTF_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_CUUTF_WORKAREAALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_CUUTF_LEN	"*-UNIC_CUUTF"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	UNIC_CUTFU	CUTFU parameter block
0	(0)	ADDRESS	4	UNIC_CUTFU_TARGETADDR	Address of the target area
4	(4)	SIGNED	4	UNIC_CUTFU_TARGETLEN	Length of the target area
8	(8)	ADDRESS	4	UNIC_CUTFU_SOURCEADDR	Address of the Source area
12	(C)	SIGNED	4	UNIC_CUTFU_SOURCELEN	Length of the Source area
16	(10)	SIGNED	4	UNIC_CUTFU_TARGETALET	ALET to use to access the target area. Use 0 if not in AR mode
20	(14)	CHARACTER	4		Reserved
24	(18)	SIGNED	4	UNIC_CUTFU_SOURCEALET	ALET to use to access the target area. Use 0 if not in AR mode
28	(1C)	ADDRESS	4	UNIC_CUTFU_WORKAREAADDR	Address of 256-byte workarea on doubleword boundary
32	(20)	SIGNED	4	UNIC_CUTFU_WORKAREAALET	ALET of workarea
36	(24)	CHARACTER	28		
36	(24)	X'40'	0	UNIC_CUTFU_LEN	"*-UNIC_CUTFU"

CSRYUNIC Cross Reference

Name	Hex Offset	Hex Value
UNIC_CLCLU	0	
UNIC_CLCLU_LEFTOPADDR	0	
UNIC_CLCLU_LEFTOPALET	10	
UNIC_CLCLU_LEFTOPLEN	4	
UNIC_CLCLU_LEN	24	40
UNIC_CLCLU_PADCHAR	14	
UNIC_CLCLU_RC_LEFTOPLENGTHNOTEVEN	0	10
UNIC_CLCLU_RC_LEFTOPLESSTHANRIGHT	0	4
UNIC_CLCLU_RC_OPERANDSEQUAL	0	0
UNIC_CLCLU_RC_RIGHTOPLENGTHNOTEVEN	0	14
UNIC_CLCLU_RC_RIGHTOPLESSTHANLEFT	0	8
UNIC_CLCLU_RC_WORKAREANOTALIGNED	0	1C
UNIC_CLCLU_RIGHTOPADDR	8	
UNIC_CLCLU_RIGHTOPALET	18	
UNIC_CLCLU_RIGHTOPLEN	C	
UNIC_CLCLU_WORKAREAADDR	1C	
UNIC_CLCLU_WORKAREAALET	20	
UNIC_CONST	0	
UNIC_CONST_LEN	0	0
UNIC_CUTFU	0	
UNIC_CUTFU_LEN	24	40
UNIC_CUTFU_RC_BADUTF8CHAR	0	8
UNIC_CUTFU_RC_SOURCEEXHAUSTED	0	0
UNIC_CUTFU_RC_TARGETEXHAUSTED	0	4
UNIC_CUTFU_RC_WORKAREANOTALIGNED	0	1C
UNIC_CUTFU_SOURCEADDR	8	
UNIC_CUTFU_SOURCEALET	18	
UNIC_CUTFU_SOURCELEN	C	
UNIC_CUTFU_TARGETADDR	0	
UNIC_CUTFU_TARGETALET	10	
UNIC_CUTFU_TARGETLEN	4	
UNIC_CUTFU_WORKAREAADDR	1C	
UNIC_CUTFU_WORKAREAALET	20	
UNIC_CUUTF	0	
UNIC_CUUTF_LEN	24	40
UNIC_CUUTF_RC_SOURCEEXHAUSTED	0	0
UNIC_CUUTF_RC_TARGETEXHAUSTED	0	4
UNIC_CUUTF_RC_WORKAREANOTALIGNED	0	1C
UNIC_CUUTF_SOURCEADDR	8	
UNIC_CUUTF_SOURCEALET	18	
UNIC_CUUTF_SOURCELEN	C	
UNIC_CUUTF_TARGETADDR	0	
UNIC_CUUTF_TARGETALET	10	
UNIC_CUUTF_TARGETLEN	4	
UNIC_CUUTF_WORKAREAADDR	1C	
UNIC_CUUTF_WORKAREAALET	20	
UNIC_MVCLU	0	
UNIC_MVCLU_LEN	24	40
UNIC_MVCLU_PADCHAR	14	
UNIC_MVCLU_RC_OPLENGTHSEQUAL	0	0
UNIC_MVCLU_RC_SOURCELENGTHNOTEVEN	0	14
UNIC_MVCLU_RC_TARGETLENGTHLONGER	0	8
UNIC_MVCLU_RC_TARGETLENGTHNOTEVEN	0	10
UNIC_MVCLU_RC_TARGETLENGTHSHORTER	0	4
UNIC_MVCLU_RC_WORKAREANOTALIGNED	0	1C
UNIC_MVCLU_SOURCEADDR	8	
UNIC_MVCLU_SOURCEALET	18	
UNIC_MVCLU_SOURCELEN	C	
UNIC_MVCLU_TARGETADDR	0	
UNIC_MVCLU_TARGETALET	10	
UNIC_MVCLU_TARGETLEN	4	
UNIC_MVCLU_WORKAREAADDR	1C	
UNIC_MVCLU_WORKAREAALET	20	
UNIC_PBLOCK_LEN	0	40
UNIC_PKA	0	
UNIC_PKA_LEN	20	40
UNIC_PKA_RC_OK		

Name	Hex Offset	Hex Value
	0	0
UNIC_PKA_RC_SOURCELENGTHNOTVALID		
	0	14
UNIC_PKA_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_PKA_SOURCEADDR		
	8	
UNIC_PKA_SOURCEALET		
	14	
UNIC_PKA_SOURCELENMINUSONE		
	4	
UNIC_PKA_TARGETADDR		
	0	
UNIC_PKA_TARGETALET		
	C	
UNIC_PKA_WORKAREAADDR		
	18	
UNIC_PKA_WORKAREAALET		
	1C	
UNIC_PKU	0	
UNIC_PKU_LEN	20	40
UNIC_PKU_RC_OK		
	0	0
UNIC_PKU_RC_SOURCELENGTHNOTEVEN		
	0	24
UNIC_PKU_RC_SOURCELENGTHNOTVALID		
	0	14
UNIC_PKU_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_PKU_SOURCEADDR		
	8	
UNIC_PKU_SOURCEALET		
	14	
UNIC_PKU_SOURCELENMINUSONE		
	4	
UNIC_PKU_TARGETADDR		
	0	
UNIC_PKU_TARGETALET		
	C	
UNIC_PKU_WORKAREAADDR		
	18	
UNIC_PKU_WORKAREAALET		
	1C	
UNIC_TP	0	
UNIC_TP_AREAADDR		
	0	
UNIC_TP_AREAALET		
	8	
UNIC_TP_LEN	40	40
UNIC_TP_LENMINUSONE		
	4	
UNIC_TP_RC_DIGITNOTVALID		
	0	8
UNIC_TP_RC_SIGNDIGITNOTVALID		
	0	C
UNIC_TP_RC_SIGNNOTVALID		
	0	4
UNIC_TP_RC_VALID		
	0	0
UNIC_TP_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_TP_WORKAREAADDR		
	C	
UNIC_TP_WORKAREAALET		
	10	
UNIC_TRE	0	
UNIC_TRE_AREAADDR		
	0	
UNIC_TRE_AREAALET		
	10	
UNIC_TRE_LEN	24	40
UNIC_TRE_LENGTH		
	4	
UNIC_TRE_RC_TESTCHARFOUND		
	0	4
UNIC_TRE_RC_TESTCHARNOTFOUND		
	0	0
UNIC_TRE_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_TRE_TABLEADDR		
	8	
UNIC_TRE_TABLEALET		
	18	
UNIC_TRE_TESTCHAR		
	F	
UNIC_TRE_WORKAREAADDR		
	1C	
UNIC_TRE_WORKAREAALET		
	20	
UNIC_TROO	0	
UNIC_TROO_LEN		
	28	40
UNIC_TROO_LENGTH		
	8	
UNIC_TROO_RC_TABLENOTALIGNED		
	0	20
UNIC_TROO_RC_TESTCHARFOUND		
	0	4
UNIC_TROO_RC_TESTCHARNOTFOUND		
	0	0
UNIC_TROO_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_TROO_SOURCEADDR		
	C	
UNIC_TROO_SOURCEALET		
	1C	
UNIC_TROO_TABLEADDR		
	0	
UNIC_TROO_TABLEALET		
	10	
UNIC_TROO_TARGETADDR		
	4	
UNIC_TROO_TARGETALET		
	14	
UNIC_TROO_TESTCHAR		
	18	
UNIC_TROO_WORKAREAADDR		
	20	
UNIC_TROO_WORKAREAALET		
	24	
UNIC_TROT	0	
UNIC_TROT_LEN		
	28	40
UNIC_TROT_LENGTH		
	8	
UNIC_TROT_RC_TABLENOTALIGNED		
	0	20
UNIC_TROT_RC_TESTCHARFOUND		
	0	4
UNIC_TROT_RC_TESTCHARNOTFOUND		

Name	Hex Offset	Hex Value
	0	0
UNIC_TROT_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_TROT_SOURCEADDR		
	C	
UNIC_TROT_SOURCEALET		
	1C	
UNIC_TROT_TABLEADDR		
	0	
UNIC_TROT_TABLEALET		
	10	
UNIC_TROT_TARGETADDR		
	4	
UNIC_TROT_TARGETALET		
	14	
UNIC_TROT_TESTCHAR		
	18	
UNIC_TROT_WORKAREAADDR		
	20	
UNIC_TROT_WORKAREAALET		
	24	
UNIC_TRTO	0	
UNIC_TRTO_LEN		
	28	40
UNIC_TRTO_LENGTH		
	8	
UNIC_TRTO_RC_LENGTHNOTEVEN		
	0	10
UNIC_TRTO_RC_TABLENOTALIGNED		
	0	20
UNIC_TRTO_RC_TESTCHARFOUND		
	0	4
UNIC_TRTO_RC_TESTCHARNOTFOUND		
	0	0
UNIC_TRTO_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_TRTO_SOURCEADDR		
	C	
UNIC_TRTO_SOURCEALET		
	1C	
UNIC_TRTO_TABLEADDR		
	0	
UNIC_TRTO_TABLEALET		
	10	
UNIC_TRTO_TARGETADDR		
	4	
UNIC_TRTO_TARGETALET		
	14	
UNIC_TRTO_TESTCHAR		
	18	
UNIC_TRTO_WORKAREAADDR		
	20	
UNIC_TRTO_WORKAREAALET		
	24	
UNIC_TRTT	0	
UNIC_TRTT_LEN		
	28	40
UNIC_TRTT_LENGTH		
	8	
UNIC_TRTT_RC_LENGTHNOTEVEN		
	0	10
UNIC_TRTT_RC_TABLENOTALIGNED		
	0	20
UNIC_TRTT_RC_TESTCHARFOUND		
	0	4
UNIC_TRTT_RC_TESTCHARNOTFOUND		
	0	0
UNIC_TRTT_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_TRTT_SOURCEADDR		
	C	
UNIC_TRTT_SOURCEALET		
	1C	
UNIC_TRTT_TABLEADDR		
	0	
UNIC_TRTT_TABLEALET		
	10	
UNIC_TRTT_TARGETADDR		
	4	
UNIC_TRTT_TARGETALET		
	14	
UNIC_TRTT_TESTCHAR		
	18	
UNIC_TRTT_WORKAREAADDR		
	20	
UNIC_TRTT_WORKAREAALET		
	24	
UNIC_UNPKA	0	
UNIC_UNPKA_LEN		
	20	40
UNIC_UNPKA_RC_BADSIGN		
	0	C
UNIC_UNPKA_RC_NEGATIVE		
	0	4
UNIC_UNPKA_RC_POSITIVE		
	0	0
UNIC_UNPKA_RC_TARGETLENGTHNOTVALID		
	0	14
UNIC_UNPKA_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_UNPKA_SOURCEADDR		
	8	
UNIC_UNPKA_SOURCEALET		
	14	
UNIC_UNPKA_TARGETADDR		
	0	
UNIC_UNPKA_TARGETALET		
	C	
UNIC_UNPKA_TARGETLENMINUSONE		
	4	
UNIC_UNPKA_WORKAREAADDR		
	18	
UNIC_UNPKA_WORKAREAALET		
	1C	
UNIC_UNPKU	0	
UNIC_UNPKU_LEN		
	20	40
UNIC_UNPKU_RC_BADSIGN		
	0	C
UNIC_UNPKU_RC_NEGATIVE		
	0	4
UNIC_UNPKU_RC_POSITIVE		
	0	0
UNIC_UNPKU_RC_TARGETLENGTHNOTEVEN		
	0	24
UNIC_UNPKU_RC_TARGETLENGTHNOTVALID		
	0	14
UNIC_UNPKU_RC_WORKAREANOTALIGNED		
	0	1C
UNIC_UNPKU_SOURCEADDR		

CSRYUNIC Cross Reference

Name	Hex Offset	Hex Value
	8	
UNIC_UNPKU_SOURCEALET		
	14	
UNIC_UNPKU_TARGETADDR		
	0	
UNIC_UNPKU_TARGETALET		
	C	
UNIC_UNPKU_TARGETLENMINUSONE		
	4	
UNIC_UNPKU_WORKAREAADDR		
	18	
UNIC_UNPKU_WORKAREAALET		
	1C	
UNIC_WORKAREA_LEN		
	0	100

CSVAPFAA Programming Interface information

Programming Interface information

CSVAPFAA

End of Programming Interface information

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CSVAPFAA Heading Information

Common Name: APF List Answer Area
Macro ID: CSVAPFAA
DSECT Name: APFHDR, APFE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: User-supplied
Key: User-supplied
Residency: User-supplied
Size: Variable (One APFHDR per request plus one APFE for each entry returned)
APFHDR -- X'0010' bytes
APFE -- X'0038' bytes
Created by: Created by user and passed as parameter on ANSAREA keyword on CSVAPF LIST
Pointed to by: CSVAPF parameter list
Serialization: None required
Function: Maps the data returned by the CSVAPF macro, LIST request

CSVAPFAA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	APFHDR	, Header section
0	(0)	SIGNED	4	APFH#REC	Number of APFE entries which follow
4	(4)	SIGNED	4	APFH#REM	Number of APFE entries which were not returned because of insufficient space
8	(8)	SIGNED	4	APFHTLEN	Total length of answer area needed to contain all the requested information. This includes the area for the records that were returned on this call.
12	(C)	SIGNED	4	APFHOFF	Offset from APFHDR to first APFE
12	(C)	X'10'	0	APFHDR_LEN	"*-APFHDR"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	APFE	, APFE Record data format
0	(0)	SIGNED	2	APFELEN	Length of APFE record. Use this length to get to the next entry.
2	(2)	SIGNED	1	APFEDSLEN	Length of dataset name through last non-blank character
3	(3)	BITSTRING	1	APFEFLAGS (0)	Flags
		1...		APFESMS	"X'80'" Dataset is SMS-managed
4	(4)	CHARACTER	6	APFEVOLUME	Volume ID
10	(A)	CHARACTER	44	APFEDSNAME	Dataset name
54	(36)	CHARACTER	2		Reserved

Comment

Format constants returned for CSVAPF REQUEST(QUERYFORMAT)

End of Comment

54	(36)	X'0'	0	CSVAPFFORMATSTATIC	"0" Format is static
54	(36)	X'1'	0	CSVAPFFORMATDYNAMIC	"1" Format is dynamic

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Return Code / Reason code constants from CSVAPF. It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.	
				End of Comment	
54	(36)	BITSTRING	0	CSVAPFRSNCODEMASK	"X'0000FFFF'" Use this mask to isolate the non component-diagnostic portion of the reason code.
54	(36)	X'0'	0	CSVAPFRC_OK	"0" Return code 0, success
54	(36)	X'4'	0	CSVAPFRC_WARN	"4" Return code 4, warning
				Comment	
				Reason codes for RC=4	
				End of Comment	
54	(36)	BITSTRING	0	CSVAPFRSNALREADYINLIST	"X'00000401'"
54	(36)	BITSTRING	0	CSVAPFRSNINLISTSMSMANAGED	"X'00000401'"
54	(36)	BITSTRING	0	CSVAPFRSNNOTINLIST	"X'00000402'"
54	(36)	BITSTRING	0	CSVAPFRSNNOTALLDATARETURNED	"X'00000403'"
54	(36)	X'8'	0	CSVAPFRC_INVPARM	"8" Return code 8, invalid parameter
				Comment	
				Reason codes for RC=8	
				End of Comment	
54	(36)	BITSTRING	0	CSVAPFRSNBADPARMLIST	"X'00000801'"
54	(36)	BITSTRING	0	CSVAPFRSNSRBMODE	"X'00000802'"
54	(36)	BITSTRING	0	CSVAPFRSNNOTENABLED	"X'00000803'"
54	(36)	BITSTRING	0	CSVAPFRSNNOTAUTHORIZED	"X'00000804'"
54	(36)	BITSTRING	0	CSVAPFRSNHOMENOTPRIMARY	"X'00000805'"
54	(36)	BITSTRING	0	CSVAPFRSNBADANSAREAALET	"X'00000806'"
54	(36)	BITSTRING	0	CSVAPFRSNBADANSAREA	"X'00000807'"
54	(36)	BITSTRING	0	CSVAPFRSNBADANSLEN	"X'00000808'"
54	(36)	BITSTRING	0	CSVAPFRSNBADREQUESTTYPE	"X'00000809'"
54	(36)	BITSTRING	0	CSVAPFRSNBADESTAE	"X'0000080A'"
54	(36)	BITSTRING	0	CSVAPFRSNRESERVEDNOT0	"X'0000080B'"
54	(36)	BITSTRING	0	CSVAPFRSNBADDSNAME	"X'0000080C'"
54	(36)	BITSTRING	0	CSVAPFRSNBADPARMLISTALET	

CSVAPFAA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'0000080D'"
54	(36)	BITSTRING	0	CSVAPFRSNBADVERSION	
					"X'0000080E'"
54	(36)	BITSTRING	0	CSVAPFRSNLOCKED	
					"X'0000080F'"
54	(36)	X'C'	0	CSVAPFRC_ENV	"12" Return code 12, environmental error
				Comment	
				Reason codes for RC=12	
				End of Comment	
54	(36)	BITSTRING	0	CSVAPFRSNFUNCTIONNOTAVAILABLE	
					"X'00000C01'"
54	(36)	BITSTRING	0	CSVAPFRSNWRONGDFPLEVEL	
					"X'00000C02'" DFSMS/MVS 1.1 is not installed.
54	(36)	BITSTRING	0	CSVAPFRSNWRONGDFSMSLEVEL	
					"X'00000C02'" DFSMS/MVS 1.1 is not installed.
54	(36)	X'10'	0	CSVAPFRC_COMPERROR	
					"16" Unknown, unexpected error
				Comment	
				Reason codes for RC=16	
				End of Comment	
54	(36)	BITSTRING	0	CSVAPFRSNCOMPERROR	
					"X'00001001'"
54	(36)	X'38'	0	APFE_LEN	"*-APFE"

CSVAPFAA Cross Reference

Name	Hex Offset	Hex Value
APFE	0	
APFE_LEN	36	38
APFEDSLEN	2	
APFEDSNAME	A	
APFEFLAGS	3	
APFELEN	0	
APFESMS	3	80
APFEVOLUME	4	
APFH#REC	0	
APFH#REM	4	
APFHDR	0	
APFHDR_LEN	C	10
APFHOFF	C	
APFHTLEN	8	
CSVAPFFORMATDYNAMIC	36	1
CSVAPFFORMATSTATIC	36	0
CSVAPFRC_COMPERROR	36	10
CSVAPFRC_ENV	36	C
CSVAPFRC_INVPARM	36	8
CSVAPFRC_OK	36	0
CSVAPFRC_WARN	36	4
CSVAPFRSNALREADYINLIST	36	401
CSVAPFRSNBADANSAREA	36	807
CSVAPFRSNBADANSAREAALET	36	806
CSVAPFRSNBADANSLEN	36	808
CSVAPFRSNBADDSNAME	36	80C
CSVAPFRSNBADESTAE	36	80A
CSVAPFRSNBADPARMLIST	36	801
CSVAPFRSNBADPARMLISTALET	36	80D
CSVAPFRSNBADREQUESTTYPE	36	809
CSVAPFRSNBADVERSION	36	80E
CSVAPFRSNCODEMASK	36	FFFF
CSVAPFRSNCOMPERROR	36	1001
CSVAPFRSNFUNCTIONNOTAVAILABLE	36	C01
CSVAPFRSNHOMENOTPRIMARY	36	805
CSVAPFRSNINLISTSMSMANAGED	36	401
CSVAPFRSNLOCKED	36	80F
CSVAPFRSNNOTALLDATARETURNED	36	403

Name	Hex Offset	Hex Value
CSVAPFRSNNOTAUTHORIZED		
	36	804
CSVAPFRSNNOTENABLED		
	36	803
CSVAPFRSNNOTINLIST		
	36	402
CSVAPFRSNRESERVEDNOT0		
	36	80B
CSVAPFRSNSRBMODE		
	36	802
CSVAPFRSNWRONGDFPLEVEL		
	36	C02
CSVAPFRSNWRONGDFSMSLEVEL		
	36	C02

CSVDLAA Programming Interface information

Programming Interface information

CSVDLAA

End of Programming Interface information

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CSVDLAA Heading Information

Common Name: Dynamic Lnklst Answer Area
Macro ID: CSVDLAA
DSECT Name: DLAAHDR DLAALS DLAADS DLAAU DLAAJA
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
DLAAHDR -- X'0010' bytes
DLAALS -- X'002C' bytes
DLAADS -- X'003C' bytes
DLAAU -- X'0010' bytes
DLAAJA -- X'0020' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on CSVDYNL LIST
Pointed to by: CSVDYNL parameter list
Serialization: None required
Function: Maps the data returned by the CSVDYNL macro, LIST request.

The returned information consists of a header (DLAAHDR) which indicates how many LNKLST set entries (DLAALS), or jobname/asid entries (DLAAJA) entries, follow.

If you request Search=BYNAME you get DLAALS entries. DLAAHFIRSTLSADDR is a pointer to the first DLAALS, and each DLAALS points to the next (DLAALSNEXTADDR). The count provided in header field DLAAH#LS should be used to determine the number of exit entries to examine.

Each DLAALS indicates how many data set entries (DLAADS) and user entries (DLAAU) are associated with it. DLAALSFIRSTDSADDR is a pointer to the first DLAADS, and each DLAADS points to the next (DLAADSNEXTADDR). The count provided in LNKLST set entry field DLAALS#DS should be used to determine the number of data set entries to examine. DLAALSFIRSTUADDR is a pointer to the first DLAAU, and each DLAAU points to the next (DLAAUNEXTADDR). The count provided in LNKLST set entry field DLAALS#U should be used to determine the number of data set entries to examine.

If you request Search=BYJOBASID you get DLAAJS entries. DLAAHFIRSTJAADDR is a pointer to the first DLAAJA, and each DLAAJ points to the next (DLAAJANEXTADDR). The count provided in header field DLAAH#JA should be used to determine the number of exit entries to examine.

CSVDLAA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLAAHDR	Header section
0	(0)	SIGNED	4	DLAAH#LS	Number of DLAALS entries which follow
0	(0)	SIGNED	4	DLAAH#JA	Number of DLAAJA entries which follow, when ByAsidJobname is requested
4	(4)	SIGNED	4	DLAAH#REM	Number of DLAALS or DLAAJA entries which were not returned because of insufficient space

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
8	(8)	SIGNED	4	DLAAHTLEN	Total length of answer area needed to contain all the requested information. This includes the area for the records that were returned on this call.
12	(C)	ADDRESS	4	DLAAHFIRSTLSADDR	Address of first DLAALS
12	(C)	ADDRESS	4	DLAAHFIRSTLS@	Same as FIRSTLSADDR
12	(C)	ADDRESS	4	DLAAHFIRSTJAADDR	Address of first DLAAJA
12	(C)	ADDRESS	4	DLAAHFIRSTJA@	Same as FIRSTJAADDR
12	(C)	X'10'	0	DLAAHDR_LEN	"*-DLAAHDR"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLAALS	DLAALS Record data format
0	(0)	ADDRESS	4	DLAALSNEXTADDR	Address of next DLAALS. DLAAH#LS must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAALSNEXT@	Same as NEXTADDR
4	(4)	ADDRESS	4	DLAALSFIRSTDSADDR	Address of first DLAADS for this DLAALS
4	(4)	ADDRESS	4	DLAALSFIRSTDS@	Same as FirstDSADDR
8	(8)	ADDRESS	4	DLAALSFIRSTUADDR	Address of first DLAAU for this DLAALS
8	(8)	ADDRESS	4	DLAALSFIRSTU@	Same as FirstUADDR
12	(C)	CHARACTER	16	DLAALSNAME	Name of LNKLST set
28	(1C)	BITSTRING	1	DLAALSFLAGS	Flags

Comment

Bit definitions:

End of Comment

		1...		DLAALSCURRENT	"X'80'" This is the current LNKLST
		.1..		DLAALSWASCURRENT	"X'40'" This used to be a current LNKLST and is still in use
		..1.		DLAALSINUSEBYLLA	"X'20'" LLA is monitoring the LNKLST using this LNKLST set
29	(1D)	CHARACTER	3		UNUSED
32	(20)	SIGNED	4	DLAALSLNKLSTSEQ#	The Seq# of this LNKLST set. Only valid when this LNKLST set is active. The Seq# remains unchanged when an in-use LNKLST set is activated. A larger Seq# does not necessarily indicate a more current activation.
36	(24)	CHARACTER	4		Unused
40	(28)	SIGNED	2	DLAALS#DS	Number of DLAADS entries associated with this LNKLST set
42	(2A)	SIGNED	2	DLAALS#U	Number of DLAAU entries associated with this LNKLST set
42	(2A)	X'2C'	0	DLAALS_LEN	"*-DLAALS"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLAADS	DLAADS Record data format
0	(0)	ADDRESS	4	DLAADSNEXTADDR	Address of next DLAADS. DLAALS#DS must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAADSNEXT@	Same as NEXTADDR
4	(4)	BITSTRING	1	DLAADSFLAGS	Flags

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Comment
					Bit definitions:
					End of Comment
		1...		DLAADSAPF	"X'80'" APF-authorized. Represents status as of last allocation
		.1..		DLAADSAPFNOTAVAILABLE	"X'40'" APF status is not available. Either the data set was not successfully allocated, or the LNKLST set itself is not valid.
		..1.		DLAADSSMSMANAGED	"X'20'" The data set is SMS-managed. Represents status as of last allocation.
		...1		DLAADSSMSNOTAVAILABLE	"X'10'" SMS status is not available. Either the data set was not successfully allocated, or the LNKLST set itself is not valid.
5	(5)	CHARACTER	3		UNUSED
8	(8)	CHARACTER	6	DLAADSVOLID	Volume ID. Represents status as of last allocation
14	(E)	SIGNED	2	DLAADSNAMELEN	Length of name
16	(10)	CHARACTER	44	DLAADSNAME	Data set name. It will only occupy as much space as indicated by DlaadsNameLen
16	(10)	X'3C'	0	DLAADS_LEN	"*-DLAADS"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLAAU	DLAAU Record data format
0	(0)	ADDRESS	4	DLAAUNEXTADDR	Address of next DLAAU. DLAALS#U must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAAUNEXT@	Same as NEXTADDR
4	(4)	CHARACTER	8	DLAAUJOBNAME	Job name using this LNKLST set
12	(C)	SIGNED	2	DLAAUASID	ASID of job
14	(E)	CHARACTER	2		UNUSED
14	(E)	X'10'	0	DLAAU_LEN	"*-DLAAU"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLAAJA	DLAAJA Record data format
0	(0)	ADDRESS	4	DLAAJANEXTADDR	Address of next DLAAJA. DLAALS#JA must be used to determine how far along this chain to go.
0	(0)	ADDRESS	4	DLAAJANEXT@	Same as NEXTADDR
4	(4)	CHARACTER	8	DLAAJAJOBNAME	Job name
12	(C)	SIGNED	2	DLAAJAASID	ASID of job
14	(E)	CHARACTER	2		UNUSED
16	(10)	CHARACTER	16	DLAAJALSNAME	LNKLST set name
					Comment
					Format constants returned for CSVDYNL REQUEST(QUERYDYN)
					End of Comment
16	(10)	X'0'	0	CSVDYNLDYNNOTAVAILABLE	"0"
16	(10)	X'1'	0	CSVDYNLDYNAVAILABLE	"1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Return Code / Reason code constants from CsvDynl. It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.	
				End of Comment	
16	(10)	BITSTRING	0	CSVDYNLRSNCODEMASK	"X'0000FFFF'" Use this mask to isolate the non component-diagnostic portion of the reason code.
16	(10)	X'0'	0	CSVDYNLRC_OK	"0" Return code 0, success
16	(10)	X'4'	0	CSVDYNLRC_WARN	"4" Return code 4, warning
				Comment	
				Reason codes for RC=4	
				End of Comment	
16	(10)	BITSTRING	0	CSVDYNLRSNROUTINENOTFOUND	"X'00000402'" For TEST request, the routine was not found
16	(10)	BITSTRING	0	CSVDYNLRSNNOTALLDATARETURNED	"X'00000403'" For LIST, the provided output area was not large enough to contain all the data.
16	(10)	BITSTRING	0	CSVDYNLRSNNOMATCHINGJOB	"X'00000406'" For UPDATE request, no matching job or ASID was found.
16	(10)	X'8'	0	CSVDYNLRC_INVPARM	"8" Return code 8, invalid parameter
				Comment	
				Reason codes for RC=8	
				End of Comment	
16	(10)	BITSTRING	0	CSVDYNLRSNBADPARMLIST	"X'00000801'" Error while accessing parameter list
16	(10)	BITSTRING	0	CSVDYNLRSNSRBMODE	"X'00000802'" Caller was in SRB mode
16	(10)	BITSTRING	0	CSVDYNLRSNNOTENABLED	"X'00000803'" Caller was not enabled
16	(10)	BITSTRING	0	CSVDYNLRSNNOTAUTHORIZED	"X'00000804'" Caller was not authorized
16	(10)	BITSTRING	0	CSVDYNLRSNHOMENOTPRIMARY	"X'00000805'" HASN ¬= PASN
16	(10)	BITSTRING	0	CSVDYNLRSNBADANSAREAALET	"X'00000806'" ALET of ANSAREA was not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADANSAREA	"X'00000807'" Error while accessing ANSAREA
16	(10)	BITSTRING	0	CSVDYNLRSNBADANSLEN	"X'00000808'" ANSLEN was not at least as long as DLAAHDR mapped by CSVDLAA.
16	(10)	BITSTRING	0	CSVDYNLRSNBADREQUESTTYPE	"X'00000809'" Parameter list contains an incorrect request type. Possible overlay.
16	(10)	BITSTRING	0	CSVDYNLRSNBADESTAEX	"X'0000080A'" ESTAEX recovery could not be established. Possibly the caller had an EUT FRR.
16	(10)	BITSTRING	0	CSVDYNLRSNRESERVEDNOT0	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'0000080B'" Parameter list contains a non-0 value in a reserved field. Possible overlay.
16	(10)	BITSTRING	0	CSVDYNLRSNBADPARMLISTALET	"X'0000080D'" ALET of parameter list was not acceptable.
16	(10)	BITSTRING	0	CSVDYNLRSNBADVERSION	"X'0000080E'" Parameter list contains an incorrect version number. Possible overlay.
16	(10)	BITSTRING	0	CSVDYNLRSNLOCKED	"X'0000080F'" Caller held a system lock.
16	(10)	BITSTRING	0	CSVDYNLRSNBADDSNAMEAREA	"X'00000815'" Error while accessing area containing DSNAME
16	(10)	BITSTRING	0	CSVDYNLRSNBADAFTERDSNAMEAREA	"X'00000816'" Error while accessing area containing AFTERDSNAME
16	(10)	BITSTRING	0	CSVDYNLRSNBADOPEN	"X'00000818'" Unable to open supplied data set.
16	(10)	BITSTRING	0	CSVDYNLRSNLNKLSTSETNOTFOUND	"X'00000819'" LNKLST set does not exist
16	(10)	BITSTRING	0	CSVDYNLRSNDATASETNOTFOUND	"X'0000081C'" For DELETE, data set was not in the LNKLST set. For ADD, "after" data set was not in the LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNBADDSNAMEALET	"X'00000820'" ALET of area containing DSNAME is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADAFTERDSNAMEALET	"X'00000821'" ALET of area containing AFTERDSNAME is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADLNKLSTNAME	"X'00000822'" LNKLST set name begins with blank or hex zero
16	(10)	BITSTRING	0	CSVDYNLRSNBADDSNAME	"X'00000823'" DSNAME begins with blank or hex zero
16	(10)	BITSTRING	0	CSVDYNLRSNBADAFTERDSNAME	"X'00000824'" AFTERDSNAME begins with blank or hex zero
16	(10)	BITSTRING	0	CSVDYNLRSNBADALLOC	"X'00000829'" Unable to allocate requested data set
16	(10)	BITSTRING	0	CSVDYNLRSNFUNCTIONNOTAVAILABLEERROR	"X'0000082B'" Function requested when dynamic allocation is not allowed by the system (or function requested during NIP).
16	(10)	BITSTRING	0	CSVDYNLRSNRESERVEDNAME	"X'00000831'" Reserved name "CURRENT" or "IPL" was used on a DEFINE, ADD, or DELETE request.
16	(10)	BITSTRING	0	CSVDYNLRSNNOJOBASID	"X'00000832'" The job name was blank (or null) and the ASID was 0 for UPDATE or LIST
16	(10)	BITSTRING	0	CSVDYNLRSNADDSYSDSN	"X'00000833'" A request was made to add the LINKLIB, MIGLIB, CSSLIB, LINKLIBE, or MIGLIBE data set, or to add after one of those data sets.
16	(10)	BITSTRING	0	CSVDYNLRSNDELETESYSDSN	"X'00000834'" A request was made to delete the LINKLIB, MIGLIB, CSSLIB, LINKLIBE, or MIGLIBE data set.
16	(10)	BITSTRING	0	CSVDYNLRSNNOCOPYFROM	"X'00000835'" Could not locate the COPYFROM LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNALREADYEXISTS	"X'00000836'" For DEFINE request, LNKLST set already exists. For ADD request, data set was already associated with this LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNNOMODNAME	"X'00000837'" Module name was null
16	(10)	BITSTRING	0	CSVDYNLRSNCONCATFULL	"X'00000839'" Attempt to ADD a data set but the concatenation is full.
16	(10)	BITSTRING	0	CSVDYNLRSNBADPROBDSNAMEAREA	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'0000083A'" Error while accessing area to contain probdsname
16	(10)	BITSTRING	0	CSVDYNLRSNBADPROBDSNAMEALET	
					"X'0000083B'" ALET of area to contain PROBDSNAME is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNNOTPARTITIONED	
					"X'0000083C'" The data set is not partitioned.
16	(10)	BITSTRING	0	CSVDYNLRSNBADVOLID	
					"X'0000083D'" The provided VolID does not match the one in the catalog.
16	(10)	BITSTRING	0	CSVDYNLRSNMULTIVOLUME	
					"X'0000083E'" IEFDDSRV's output was not as expected. The data set is multi-volume.
16	(10)	BITSTRING	0	CSVDYNLRSNMISSINGSYSDSN	
					"X'0000083F'" The LNKLST set being tested does not contain at least one of SYS1.LINKLIB, SYS1.MIGLIB, SYS1.CSSLIB. SYS1.SIEALNKE, and SYS1.SIEAMIGE. This should occur only if you used the SYSLIB statement of PROGxx.
16	(10)	BITSTRING	0	CSVDYNLRSNUNDEFINECURRENT	
					"X'00000840'" An attempt was made to UNDEFINE the current LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNBADFOUNDDSNAMEAREA	
					"X'00000841'" Error while accessing area to contain FoundDsname
16	(10)	BITSTRING	0	CSVDYNLRSNBADFOUNDDSNAMEALET	
					"X'00000842'" ALET of area to contain FoundDsname is not acceptable
16	(10)	BITSTRING	0	CSVDYNLRSNBADSMS	
					"X'00000843'" The SMS status of the data set has changed. Either it is now SMS-managed but had not been, or it is not SMS-managed but had been.
16	(10)	X'C'	0	CSVDYNLRC_ENV	
					"12" Return code 12, environmental error

Comment

Reason codes for RC=12

End of Comment

16	(10)	BITSTRING	0	CSVDYNLRSNFUNCTIONNOTAVAILABLE	
					"X'00000C01'"
16	(10)	BITSTRING	0	CSVDYNLRSNNOSTORAGE	
					"X'00000C02'" Storage was not available for a system control block
16	(10)	BITSTRING	0	CSVDYNLRSNCHANGEINUSE	
					"X'00000C03'" An attempt was made to change (ADD or DELETE) an in-use LNKLST set.
16	(10)	BITSTRING	0	CSVDYNLRSNUNDEFINEUSERS	
					"X'00000C04'" An attempt was made to UNDEFINE a LNKLST set that is still in use. The request is denied.
16	(10)	BITSTRING	0	CSVDYNLRSNUNDEFINELLA	
					"X'00000C06'" An attempt was made to UNDEFINE a LNKLST set that is being used by LLA to manage the LNKLST. The request is denied.
16	(10)	BITSTRING	0	CSVDYNLRSNBADIEFDDSRV	
					"X'00000C07'" Bad return code from IEFDDSRV. 050201
16	(10)	X'10'	0	CSVDYNLRC_COMPERROR	
					"16" Unknown, unexpected error

Comment

Reason codes for RC=16

End of Comment

CSVDLAA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
16	(10)	BITSTRING	0	CSVDYNLRSNCOMPERROR	"X'00001001'" System error encountered by component.
16	(10)	X'20'	0	DLAAJA_LEN	"*-DLAAJA"

CSVDLAA Cross Reference

Name	Hex Offset	Hex Value
CSVDYNLDYNAVAILABLE	10	1
CSVDYNLDYNNOTAVAILABLE	10	0
CSVDYNLRC_COMPERROR	10	10
CSVDYNLRC_ENV	10	C
CSVDYNLRC_INVPARM	10	8
CSVDYNLRC_OK	10	0
CSVDYNLRC_WARN	10	4
CSVDYNLRSNADDSYSDSN	10	833
CSVDYNLRSNALREADYEXISTS	10	836
CSVDYNLRSNBADAFTERDSNAME	10	824
CSVDYNLRSNBADAFTERDSNAMEALET	10	821
CSVDYNLRSNBADAFTERDSNAMEAREA	10	816
CSVDYNLRSNBADALLOC	10	829
CSVDYNLRSNBADANSAREA	10	807
CSVDYNLRSNBADANSAREAALET	10	806
CSVDYNLRSNBADANSLEN	10	808
CSVDYNLRSNBADDSNAME	10	823
CSVDYNLRSNBADDSNAMEALET	10	820
CSVDYNLRSNBADDSNAMEAREA	10	815
CSVDYNLRSNBADESTAEX	10	80A
CSVDYNLRSNBADFOUNDDSNAMEALET	10	842
CSVDYNLRSNBADFOUNDDSNAMEAREA	10	841
CSVDYNLRSNBADIEFDDSRV	10	C07
CSVDYNLRSNBADLNKLSTNAME	10	822
CSVDYNLRSNBADOPEN	10	818
CSVDYNLRSNBADPARMLIST	10	801
CSVDYNLRSNBADPARMLISTALET	10	80D
CSVDYNLRSNBADPROBDSNAMEALET	10	83B
CSVDYNLRSNBADPROBDSNAMEAREA	10	83A
CSVDYNLRSNBADREQUESTTYPE	10	809
CSVDYNLRSNBADSMS	10	843
CSVDYNLRSNBADVERSION	10	80E
CSVDYNLRSNBADVOLID	10	83D
CSVDYNLRSNCHANGEINUSE	10	C03
CSVDYNLRSNCODEMASK	10	FFFF
CSVDYNLRSNCOMPERROR	10	1001
CSVDYNLRSNCONCATFULL	10	839
CSVDYNLRSNDATASETNOTFOUND	10	81C
CSVDYNLRSNDELETESYSDSN	10	834
CSVDYNLRSNFUNCTIONNOTAVAILABLE	10	C01
CSVDYNLRSNFUNCTIONNOTAVAILABLEERROR	10	82B
CSVDYNLRSNHOMENOTPRIMARY	10	805
CSVDYNLRSNLNKLSTSETNOTFOUND	10	819
CSVDYNLRSNLOCKED	10	80F
CSVDYNLRSNMISSINGSYSDSN	10	83F
CSVDYNLRSNMULTIVOLUME	10	83E
CSVDYNLRSNNOCOPYFROM	10	835
CSVDYNLRSNNOJOBASID	10	832
CSVDYNLRSNNOMATCHINGJOB	10	406
CSVDYNLRSNNOMODNAME	10	837
CSVDYNLRSNNOSTORAGE	10	C02
CSVDYNLRSNNOTALLDATARETURNED	10	403
CSVDYNLRSNNOTAUTHORIZED	10	804
CSVDYNLRSNNOTENABLED	10	803
CSVDYNLRSNNOTPARTITIONED	10	83C
CSVDYNLRSNRESERVEDNAME	10	831
CSVDYNLRSNRESERVEDNOT0		

Name	Hex Offset	Hex Value
	10	80B
CSVDYNLRSNROUTINENOTFOUND		
	10	402
CSVDYNLRSNSRBMODE		
	10	802
CSVDYNLRSNUNDEFINECURRENT		
	10	840
CSVDYNLRSNUNDEFINELLA		
	10	C06
CSVDYNLRSNUNDEFINEUSERS		
	10	C04
DLAADS	0	
DLAADS_LEN	10	3C
DLAADSAPF	4	80
DLAADSAPFNOTAVAILABLE		
	4	40
DLAADSFLAGS	4	
DLAADSNAME	10	
DLAADSNAMELEN		
	E	
DLAADSNEXT@	0	
DLAADSNEXTADDR		
	0	
DLAADSSMSMANAGED		
	4	20
DLAADSSMSNOTAVAILABLE		
	4	10
DLAADSVOLID	8	
DLAAH#JA	0	
DLAAH#LS	0	
DLAAH#REM	4	
DLAAHDR	0	
DLAAHDR_LEN	C	10
DLAAHFIRSTJA@		
	C	
DLAAHFIRSTJAADDR		
	C	
DLAAHFIRSTLS@		
	C	
DLAAHFIRSTLSADDR		
	C	
DLAAHTLEN	8	
DLAAJA	0	
DLAAJA_LEN	10	20
DLAAJAASID	C	
DLAAJAJOBNAME		
	4	
DLAAJALSNAME	10	
DLAAJANEXT@	0	
DLAAJANEXTADDR		
	0	
DLAALS	0	
DLAALS_LEN	2A	2C
DLAALS#DS	28	
DLAALS#U	2A	
DLAALSCURRENT		
	1C	80
DLAALSFIRSTDS@		
	4	
DLAALSFIRSTDSADDR		
	4	
DLAALSFIRSTU@		
	8	
DLAALSFIRSTUADDR		
	8	

Name	Hex Offset	Hex Value
DLAALSFLAGS	1C	
DLAALSINUSEBYLLA		
	1C	20
DLAALSLNKLSTSEQ#		
	20	
DLAALSNAME	C	
DLAALSNEXT@	0	
DLAALSNEXTADDR		
	0	
DLAALSWASCURRENT		
	1C	40
DLAAU	0	
DLAAU_LEN	E	10
DLAAUASID	C	
DLAAUJOBNAME	4	
DLAAUNEXT@	0	
DLAAUNEXTADDR		
	0	

CSVDLCB Programming Interface information

Programming Interface information

CSVDLCB

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

- DLCBDCB@
- DLCBLLT@
- DLCBLNKLSTSETNAME

End of Programming Interface information

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CSVDLCB Heading Information

Common Name: Dynamic LNKLST Control Block
Macro ID: CSVDLCB
DSECT Name: DLCB
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: DLCB
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Residency: Above-16M
Size: One per LNKLST set created
DLCB -- X'0044' bytes
Created by: Created by system in response to CSVDYNL REQUEST=DEFINE
Pointed to by: ASSBDLCB
Serialization: ENQ Qname: SYSZCSV Rname: CSVDYNL
No serialization is needed to access the DLCB pointed to by ASSBDLCB of the home address space.
Function: Maps the area representing a LNKLST set.

CSVDLCB Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLCB	
0	(0)	CHARACTER	12	DLCBNONINTERFACE1	Not part of the intended interface
0	(0)	CHARACTER	4	DLCBID	Acronym
12	(C)	ADDRESS	4	DLCBDCB@	This is a TOKEN that can be passed via the DCB parameter to such services as LINK and LOAD to indicate that the module search should use this particular LNKLST set. It is valid only if this DLCB is the LNKLST set pointed to by ASSBDLCB.
16	(10)	ADDRESS	4	DLCBLLT@	Address of LLT for this LNKLST. Not valid unless this is an active DLCB
20	(14)	CHARACTER	16	DLCBNONINTERFACE2	Not part of the intended interface
36	(24)	CHARACTER	16	DLCBLNKLSTSETNAME	LNKLST set name
52	(34)	CHARACTER	16	DLCBNONINTERFACE3	Not part of the intended interface
52	(34)	X'44'	0	DLCB_LEN	"*-DLCB"

CSVDLENF Programming Interface information

Programming Interface information

CSVDLENF

End of Programming Interface information

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CSVDLENF Heading Information

Common Name: Dynamic Lnklst ENF mapping (event code 52)
Macro ID: CSVDLENF
DSECT Name: DLENF
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: DLEN
Offset: 0
Length: 4
Storage Attributes: Subpool: 247 for ENF signal
Key: 0
Residency: Above 16M
Size: DLENF -- X'0080' bytes
Created by: Dynamic LNKLST processing, and provided to ENF listeners for event 052.
Pointed to by: R1 on entry to ENF listening routine
Serialization: None required
Function: Maps the data provided for ENF event 052.

CSVDLENF Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	DLENF	Dynamic LNKLST Event Notification Parameter List
0	(0)	CHARACTER	4	DLENFID	Eyecatcher 'DLEN'
4	(4)	CHARACTER	5	DLENFCOMPONENT	Component acronym 'SC1CJ'
9	(9)	CHARACTER	3		Unused
12	(C)	SIGNED	4	DLENFLNKLSTSEQ#	Seq# of the LNKLST set. Note that the number always increases when a new LNKLST set, or a not-in-use old LNKLST set, is activated. But if an in-use LNKLST set is activated, the number of that LNKLST set does not change. That means that on an activation, the LNKLST sequence number does change from what it was (ignoring the the uninteresting case where you activate the current LNKLST set, which is effectively a no-op), but does not necessarily increase.
16	(10)	CHARACTER	16	DLENFLNKLSTNAME	Name of the LNKLST set that was just activated
32	(20)	CHARACTER	8	DLENFTIMESTAMP	Time value (from STCK) of the activation
40	(28)	SIGNED	4	DLENFCONSID	Console ID of the issuer of the activation
44	(2C)	CHARACTER	80	DLENFUTOKEN	Security product user token of issuer of the activation
124	(7C)	CHARACTER	4		Unused
124	(7C)	X'D3C5D5'	0	DLENFIDCHARS	"C'DLEN'" Eyecatcher
124	(7C)	X'80'	0	DLENF_LEN	"*-DLENF"

CSVDLENF Cross Reference

Name	Hex Offset	Hex Value
DLENF	0	
DLENF_LEN	7C	80
DLENFCOMPONENT	4	
DLENFCONSID	28	
DLENFID	0	
DLENFIDCHARS	7C	D3C5D5
DLENFLNKLSTNAME	10	
DLENFLNKLSTSEQ#	C	
DLENFTIMESTAMP	20	
DLENFUTOKEN	2C	

CSVEXAA Programming Interface information

Programming Interface information

CSVEXAA

End of Programming Interface information

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CSVEXAA Heading Information

Common Name: Exit Answer Area
Macro ID: CSVEXAA
DSECT Name: EXAAHDR EXAAE EXAAM EXAAM1
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
EXAAHDR -- X'0010' bytes
EXAAE -- X'0028' bytes
EXAAM -- X'0018' bytes
EXAAM1 -- X'0024' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on CSVDYNEX LIST
Pointed to by: CSVDYNEX parameter list
Serialization: None required
Function: Maps the data returned by the CSVDYNEX macro, LIST request.

The returned information consists of a header (EXAAHDR) which indicates how many exit entries (EXAAE) follow. EXAAHFIRST@ is a pointer to the first EXAAE, and each EXAAE points to the next (EXAAENEXT@). The count provided in header field EXAAH#REC should be used to determine the number of exit entries to examine.

The caller indicates, via the ExaaVer keyword, whether module entries are mapped by EXAAM (the default, ExaaVer=0) or EXAAM1 (ExaaVer=1).

Each EXAAE indicates how many module entries (EXAAM/EXAAM1) are associated with it. EXAAEFIRSTENT@ is a pointer to the first EXAAM/EXAAM1, and exach EXAAM/EXAAM1 points to the next (EXAAMNEXT@/EXAAM1NEXT@). The count provided in exit entry field EXAAE#ENT should be used to determine the number of module entries to examine.

CSVEXAA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXAAHDR	Header section
0	(0)	SIGNED	4	EXAAH#REC	Number of EXAAE entries which follow
4	(4)	SIGNED	4	EXAAH#REM	Number of EXAAE entries which were not returned because of insufficient space
8	(8)	SIGNED	4	EXAAHTLEN	Total length of answer area needed to contain all the requested information. This includes the area for the records that were returned on this call.
12	(C)	ADDRESS	4	EXAAHFIRST@	Address of first EXAAE
12	(C)	X'10'	0	EXAAHDR_LEN	"*-EXAAHDR"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXAAE	EXAAE Record data format
0	(0)	ADDRESS	4	EXAAENEXT@	Address of next EXAAE. EXAAH#REC must be used to determine how far along this chain to go.
4	(4)	ADDRESS	4	EXAAEFIRSTENT@	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Address of first EXAAM/EXAAM1 for this EXAAE
8	(8)	CHARACTER	16	EXAAENAME	Name of exit
24	(18)	SIGNED	2	EXAAE#ENT	Number of EXAAM/EXAAM1 entries associated with this exit
26	(1A)	BITSTRING	1	EXAAEAMODE	Amode: 0 = Amode 31, 1 = Amode 24, 2 = Amode Defined. Equates are provided below. They begin with EXAAEAMODE_
27	(1B)	BITSTRING	1	EXAAEKEY	Defined Key
28	(1C)	BITSTRING	1	EXAAEFLAGS	

Comment

Bit definitions:

End of Comment

		1...		EXAAEFASTPATHOK	
					"X'80'" Fast path acceptable for this
		.1..		EXAAEDEFINED	"X'40'" Whether exit has been explicitly defined or simply has had modules added to it
		..1.		EXAAEREENTRANTREQUIRED	
					"X'20'" Reentrant was required for this exit
		...1		EXAAEONEMODULEONLY	
					"X'10'" This exit is defined to allow only one module to be associated with it at a time.
		.... 1...		EXAAEABENDCONSEC	
					"X'08'" Whether or not the exit requested consecutive abends
		.... .1..		EXAAEANYKEY	"X'04'" Fast path exit supports any key
29	(1D)	CHARACTER	3		Reserved
32	(20)	SIGNED	4	EXAAEABENDNUM	
					Number of abends allowed
36	(24)	ADDRESS	4	EXAAEPRECALLROUTINEADDR	
					050201
36	(24)	X'0'	0	EXAAEAMODE_31	
					"0" Value for ExaaeAmode indicating AMODE 31
36	(24)	X'1'	0	EXAAEAMODE_24	
					"1" Value for ExaaeAmode indicating AMODE 24
36	(24)	X'2'	0	EXAAEAMODE_DEFINED	
					"2" Value for ExaaeAmode indicating AMODE DEFINED
36	(24)	X'28'	0	EXAAE_LEN	"*-EXAAE"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXAAM	EXAAM Record data format
0	(0)	ADDRESS	4	EXAAMNEXT@	Address of next EXAAM. EXAAE#ENT must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	EXAAMNAME	Module name
12	(C)	BITSTRING	1	EXAAMFLAGS	

Comment

Bit definitions:

End of Comment

		1...		EXAAMACTIVE	"X'80'" If on, state of module is active
		.1..		EXAAMJOBNAMEPROVIDED	
					"X'40'" If on, jobname filtering was requested.
		..1.		EXAAMSTOKENPROVIDED	
					"X'20'" If on, stoken filtering was requested.
13	(D)	CHARACTER	3		Reserved
16	(10)	CHARACTER	8	EXAAMSTOKEN	If ExaamStokenProvided is on, this contains the STOKEN.
16	(10)	CHARACTER	8	EXAAMJOBNAME	If ExaamJobnameProvided is on, this contains the jobname.
16	(10)	X'18'	0	EXAAM_LEN	"*-EXAAM"

CSVEXAA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXAAM1	Exaam1 Record data format
0	(0)	ADDRESS	4	EXAAM1NEXT@	Address of next Exaam1. EXAAE#ENT must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	EXAAM1NAME	Module name
12	(C)	BITSTRING	1	EXAAM1FLAGS	
				Comment	
Bit definitions:					
				End of Comment	
		1...		EXAAM1ACTIVE	"X'80'" If on, state of module is active
		.1..		EXAAM1JOBNAMEPROVIDED	"X'40'" If on, jobname filtering was requested.
		..1.		EXAAM1STOKENPROVIDED	"X'20'" If on, stoken filtering was requested.
13	(D)	CHARACTER	3		Reserved
16	(10)	CHARACTER	8	EXAAM1STOKEN	If Exaam1StokenProvided is on, this contains the STOKEN.
16	(10)	CHARACTER	8	EXAAM1JOBNAME	If Exaam1JobnameProvided is on, this contains the jobname.
24	(18)	ADDRESS	4	EXAAM1EPADDR	Entry point address of exit module. This was either determined by the system or provided by the issuer of CSVDYNEX REQUEST=ADD via the MODADDR keyword. Bit 0 of this word is on if the module is to be called in 31-bit AMODE.
28	(1C)	ADDRESS	4	EXAAM1LOADPT	Load point of exit module. When 0, the load point is not known. The load point is only known when the module was located by the system from the lnklst or a user-specified data set.
32	(20)	SIGNED	4	EXAAM1MODLEN	The length of the exit routine load module. When 0, no length is known. The length is only known when the module was located by the system from the lnklst or a user-specified data set. Note that this is the length of the load module containing the exit module.
32	(20)	X'24'	0	EXAAM1_LEN	"*-EXAAM1"

CSVEXAA Cross Reference

Name	Hex Offset	Hex Value
EXAAE	0	
EXAAE_LEN	24	28
EXAAE#ENT	18	
EXAAEABENDCONSEC	1C	8
EXAAEABENDNUM	20	
EXAAEAMODE	1A	
EXAAEAMODE_DEFINED	24	2
EXAAEAMODE_24	24	1
EXAAEAMODE_31	24	0
EXAAEANYKEY	1C	4
EXAAEDEFINED	1C	40
EXAAEFASTPATHOK	1C	80
EXAAEFIRSTENT@	4	
EXAAEFLAGS	1C	
EXAAEKEY	1B	
EXAAENAME	8	
EXAAENEXT@	0	
EXAAEONEMODULEONLY	1C	10
EXAAEPRECALLROUTINEADDR	24	
EXAAEREENTRANTREQUIRED	1C	20
EXAAH#REC	0	
EXAAH#REM	4	
EXAAHDR	0	
EXAAHDR_LEN	C	10
EXAAHFIRST@	C	
EXAAHTLEN	8	
EXAAM	0	
EXAAM_LEN	10	18
EXAAMACTIVE	C	80
EXAAMFLAGS	C	
EXAAMJOBNAME	10	
EXAAMJOBNAMEPROVIDED	C	40
EXAAMNAME	4	
EXAAMNEXT@	0	
EXAAMSTOKEN	10	
EXAAMSTOKENPROVIDED	C	20
EXAAM1	0	
EXAAM1_LEN	20	24
EXAAM1ACTIVE	C	80
EXAAM1EPADDR	18	

Name	Hex Offset	Hex Value
EXAAM1FLAGS	C	
EXAAM1JOBNAME	10	
EXAAM1JOBNAMEPROVIDED	C	40
EXAAM1LOADPT	1C	
EXAAM1MODLEN	20	
EXAAM1NAME	4	
EXAAM1NEXT@	0	
EXAAM1STOKEN	10	
EXAAM1STOKENPROVIDED	C	20

CSVEXRET Programming Interface information

Programming Interface information

CSVEXRET

End of Programming Interface information

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CSVEXRET Heading Information

Common Name: Exit Return information area
Macro ID: CSVEXRET
DSECT Name: EXRET EXRET1
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
EXRET -- X'0018' bytes
EXRET1 -- X'0020' bytes
Created by: Caller, passed as parameter on RETINFO keyword on CSVDYNEX REQUEST=CALL or CSVDYNEX REQUEST=RECOVER
Pointed to by: CSVDYNEX parameter list
Serialization: None required
Function: Maps the data returned by the CSVDYNEX macro, CALL or RECOVER request.

The caller indicates, via the ExretVer keyword, whether entries are mapped by EXRET (the default, ExretVer=0) or EXRET1 (ExretVer=1).

The returned information consists of a header (EXRETHDR/EXRET1HDR which helps to indicate how many entries (EXRETINFO/EXRET1INFO) follow. Those entries are contiguous (e.g., entry 2 immediately follows entry 1 when more than one entry is returned).

CSVEXRET Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXRET	
0	(0)	CHARACTER	8	EXRETHDR	
0	(0)	SIGNED	4	EXRET#RET	Number of modules for which information is returned. When RETINFO=LAST, RETINFO=LOWEST, or RETINFO=HIGHEST is specified, this indicates how many modules were called, since information about only one is returned.
4	(4)	SIGNED	4	EXRET#REM	Number of modules remaining for which information was not returned. This field will be 0 for REQUEST=RECOVER.
8	(8)	CHARACTER	16	EXRETINFO	Return information entry
8	(8)	BITSTRING	1	EXRETFLAGS	Return flags
		Comment			
		Bit definitions:			
		End of Comment			
		1...		EXRETABEND	"X'80'" Indicates that the called module abended
9	(9)	BITSTRING	1	EXRETRECOVERFLAGS	Output from the RECOVER function. This is not set for the CALL function.
		Comment			
		Bit definitions:			
		End of Comment			
		1...		EXRETRECERRORBEFOREINIT	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'80'" Error occurred before initialization completed. It is likely that the input WorkArea was not valid.
		.1..		EXRETRECEXITMODINCONTROL	
					"X'40'" Error occurred within an exit module.
		..1.		EXRETRECACCRUB	
					"X'20'" Error occurred while accessing RUB area
		...1		EXRETRECACCRETAREA	
					"X'10'" Error occurred while accessing RetArea
		.... 1...		EXRETRECACCPLIST	
					"X'08'" Error occurred while accessing parameter list
		.... .1..		EXRETRECPRECALLRTNINCONTROL	
					"X'04'" Error occurred within the precall routine 050201
10	(A)	CHARACTER	2		Reserved
12	(C)	CHARACTER	12	EXRETREGS	Information from regs
12	(C)	SIGNED	4	EXRETCODE	Return code, if bit ExretAbend is off
12	(C)	SIGNED	4	EXRETABENDCODE	
					Abend code, if bit ExretAbend is on. Its format matches that of SDWACMPC
16	(10)	SIGNED	4	EXRETRSN	Reason code, if bit ExretAbend is off
16	(10)	SIGNED	4	EXRETABENDRSNCODE	
					Abend reason code, if bit ExretAbend is on
20	(14)	SIGNED	4	EXRETR1	Return value in R1 from exit, if bit ExretAbend is off
20	(14)	X'18'	0	EXRET_LEN	"*-EXRET"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXRET1	
0	(0)	CHARACTER	8	EXRET1HDR	
0	(0)	SIGNED	4	EXRET1#RET	Number of modules for which information is returned. When RETINFO=LAST, RETINFO=LOWEST, or RETINFO=HIGHEST is specified, this indicates how many modules were called, since information about only one is returned.
4	(4)	SIGNED	4	EXRET1#REM	Number of modules remaining for which information was not returned. This field will be 0 for REQUEST=RECOVER.
8	(8)	CHARACTER	24	EXRET1INFO	Return information entry
8	(8)	BITSTRING	1	EXRET1FLAGS	Return flags

Comment

Bit definitions:

End of Comment

		1...		EXRET1ABEND	"X'80'" Indicates that the called module abended
9	(9)	BITSTRING	1	EXRET1RECOVERFLAGS	
					Output from the RECOVER function. This is not set for the CALL function.

Comment

Bit definitions:

End of Comment

		1...		EXRET1RECERRORBEFOREINIT	
					"X'80'" Error occurred before initialization completed. It is likely that the input WorkArea was not valid.
		.1..		EXRET1RECEXITMODINCONTROL	
					"X'40'" Error occurred within an exit module.
		..1.		EXRET1RECACCRUB	
					"X'20'" Error occurred while accessing RUB area
		...1		EXRET1RECACCRETAREA	
					"X'10'" Error occurred while accessing RetArea
		.... 1...		EXRET1RECACCPLIST	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'08'" Error occurred while accessing parameter list
		.... .1..		EXRET1RECPRECALLRTNINCONTROL	
					"X'04'" Error occurred within the precall routine 050201
10	(A)	CHARACTER	2		Reserved
12	(C)	CHARACTER	12	EXRET1REGS	Information from regs
12	(C)	SIGNED	4	EXRET1CODE	Return code, if bit ExRet1Abend is off
12	(C)	SIGNED	4	EXRET1ABENDCODE	
					Abend code, if bit ExRet1Abend is on. Its format matches that of SDWACMPC
16	(10)	SIGNED	4	EXRET1RSN	Reason code, if bit ExRet1Abend is off
16	(10)	SIGNED	4	EXRET1ABENDRSNCODE	
					Abend reason code, if bit ExRet1Abend is on
20	(14)	SIGNED	4	EXRET1R1	Return value in R1 from exit, if bit ExRet1Abend is off
24	(18)	CHARACTER	8	EXRET1MODNAME	
					Name of the exit routine when 1st word not all 0's 050201
24	(18)	CHARACTER	4	EXRET1PRECALLINDICATOR	
					When all 0's, the next word contains the address of the precall routine, and the precall routine was in control 050201
28	(1C)	ADDRESS	4	EXRET1PRECALLROUTINEADDR	
					The address of the precall routine 050201
				Comment	
					General constants for CSVDYNEX
				End of Comment	
28	(1C)	X'0'	0	CSVDYNEX_PRECALL_CALL	
					"0" Return code from the precall routine indicating to call the exit routine 050201
28	(1C)	X'8'	0	CSVDYNEX_PRECALL_NOCALL	
					"8" Return code from the precall routine indicating not to call the exit routine 050201
				Comment	
					Return Code / Reason code constants for CSVDYNEX It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.
				End of Comment	
28	(1C)	BITSTRING	0	CSVDYNEXRSNCODEMASK	
					"X'0000FFFF'" Use this mask to isolate the non component-diagnostic portion of the reason code.
28	(1C)	X'0'	0	CSVDYNEXRC_OK	
					"0" Return code 0, success
28	(1C)	X'4'	0	CSVDYNEXRC_WARN	
					"4" Return code 4, warning
				Comment	
					Reason codes for RC=4
				End of Comment	
28	(1C)	BITSTRING	0	CSVDYNEXRSNALREADYEXISTS	
					"X'00000401'" The exit or module already exists
28	(1C)	BITSTRING	0	CSVDYNEXRSNDOESNOTEXIST	
					"X'00000402'" The module or exit does not exist.
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOTALLDATARETURNED	
					"X'00000403'" For LIST, the provided output area was not large enough to contain all the data.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOMODULES	"X'00000406'" For CALL or QUERY no modules were associated with the exit.
28	(1C)	BITSTRING	0	CSVDYNEXRSNMOREMODULES	"X'00000407'" For CALL, there are more modules to be called for this exit. The call process stopped because the return area was not large enough to contain data for all the modules.
28	(1C)	BITSTRING	0	CSVDYNEXRSNUSERKEYDELETENOFORCE	"X'00000408'" User Key FastPath module (or AnyKey FastPath module) delete was specified without FORCE=YES. Exit has been deactivated but storage has not been freed.
28	(1C)	BITSTRING	0	CSVDYNEXRSNQUERYNOTFOUND	"X'00000409'" For REQUEST=QUERY, the exit name was not found.
28	(1C)	BITSTRING	0	CSVDYNEXRSNIMPLICITLYDEFINED	"X'0000040A'" For REQUEST=QUERY, the exit was implicitly defined by virtue of having either its attributes set or modules added to it.
28	(1C)	X'8'	0	CSVDYNEXRC_INVPARM	"8" Return code 8, invalid parameter

Comment

Reason codes for RC=8

End of Comment

28	(1C)	BITSTRING	0	CSVDYNEXRSNBADPARMLIST	"X'00000801'" Error while accessing parameter list
28	(1C)	BITSTRING	0	CSVDYNEXRSNSRBMODE	"X'00000802'" Caller was in SRB mode
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOTENABLED	"X'00000803'" Caller was not enabled
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOTAUTHORIZED	"X'00000804'" Caller was not authorized
28	(1C)	BITSTRING	0	CSVDYNEXRSNHOMENOTPRIMARY	"X'00000805'" HASN ¬= PASN
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADANSAREAALET	"X'00000806'" ALET of ANSAREA was not acceptable
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADANSAREA	"X'00000807'" Error while accessing ANSAREA
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADANSLEN	"X'00000808'" ANSLEN was not at least as long as EXAAHDR mapped by CSVEXAA.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADREQUESTTYPE	"X'00000809'" Parameter list contains an incorrect request type. Possible overlay.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADESTAE	"X'0000080A'" ESTAE recovery could not be established. Possibly the caller had an EUT FRR.
28	(1C)	BITSTRING	0	CSVDYNEXRSNRESERVEDNOT0	"X'0000080B'" Parameter list contains a non-0 value in a reserved field. Possible overlay.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADPARMLISTALET	"X'0000080D'" ALET of parameter list was not acceptable.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADVERSION	"X'0000080E'" Parameter list contains an incorrect version number. Possible overlay.
28	(1C)	BITSTRING	0	CSVDYNEXRSNLOCKED	"X'0000080F'" Caller held a system lock.
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOFASTPATH	"X'00000814'" The exit was not defined to allow fastpath calls
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADDSNAREA	"X'00000815'" Error while accessing area containing DSN
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADRETAREA	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'00000816'" Error while accessing RETAREA
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADWORKAREA	
					"X'00000817'" Error while accessing WORKAREA
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADOPEN	
					"X'00000818'" Unable to open supplied data set.
28	(1C)	BITSTRING	0	CSVDYNEXRSNEXITNAMENOTFOUND	
					"X'00000819'" EXITNAME does not exist
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADRETLEN	
					"X'0000081A'" RETLEN was not at least as large as EXRETHDR plus one EXRETINFO entry
28	(1C)	BITSTRING	0	CSVDYNEXRSNREG2INRUB	
					"X'0000081B'" RUB indicated to set reg 2. Not allowed when exit allows AMODE 24 (i.e., the exit is defined as AMODE=24 or AMODE=DEFINED).
28	(1C)	BITSTRING	0	CSVDYNEXRSNMODULENOTFOUND	
					"X'0000081C'" Requested module was not found.
28	(1C)	BITSTRING	0	CSVDYNEXRSNNORESMGR	
					"X'0000081D'" Unable to establish resource manager needed to track the persistence requirement of the exit.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADNEXTTOKEN	
					"X'0000081E'" NEXTTOKEN is incorrect
28	(1C)	BITSTRING	0	CSVDYNEXRSNWORKAREABADDATA	
					"X'0000081F'" WORKAREA contains incorrect data
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADDSNAMEALET	
					"X'00000820'" ALET of area containing DSN is not acceptable
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADRETAREAALET	
					"X'00000821'" ALET of RETAREA is not acceptable
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADEXITNAME	
					"X'00000822'" EXITNAME begins with blank or hex zero
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADMODNAME	
					"X'00000823'" MODNAME begins with blank or hex zero
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADRUB	
					"X'00000824'" Error accessing RUB
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADRUBALET	
					"X'00000825'" ALET of RUB is not acceptable
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADSDWA	
					"X'00000826'" Error accessing SDWA provided on CSVDYNEX REQUEST=RECOVER
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADAMODE	
					"X'00000827'" Exit is 31, module is 24 or vice versa
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADKEY	
					"X'00000828'" Key is not 0-15 for DEFINE or caller's key does not match defined key for CALL.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADALLOC	
					"X'00000829'" Unable to allocate requested data set
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOTREENTRANT	
					"X'0000082A'" Module is not reentrant
28	(1C)	BITSTRING	0	CSVDYNEXRSNNODYNALLOC	
					"X'0000082B'" Dsname specified when dynamic allocation is not yet allowed by the system
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADABENDCONSEC	
					"X'0000082C'" AbendConsec=YES is not allowed for fast path user key exit
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOTAPFAUTHORIZED	
					"X'0000082E'" Specified data set was not APF authorized, so unable to load from it.
28	(1C)	BITSTRING	0	CSVDYNEXRSNREG3WITHLINKSTACKNO	
					"X'0000082F'" Request=CALL with LINKSTACK(NO) specified reg(3) in the RUB
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADEXAAVER	
					"X'00000830'" EXAAVER field in parameter list has an incorrect value
28	(1C)	BITSTRING	0	CSVDYNEXRSNANYKEYNOTRENT	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'00000831'" Request=DEFINE with ANYKEY=YES but not REENTRANT=REQ
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADPOS	
					"X'00000832'" POS value is incorrect.
28	(1C)	BITSTRING	0	CSVDYNEXRSNBADEXRETVER	
					"X'00000833'" EXRETVER field in parameter list has an incorrect value
28	(1C)	BITSTRING	0	CSVDYNEXRSNTASKNOTBELOWINITIATOR	
					"X'00000834'" Task is not valid for LOCAL=YES. It must be the jobstep-program task or a descendant of that task. 050201
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOPRECALLWA	
					"X'00000835'" REQUEST=CALL with FASTPATH=YES was issued for an exit for which a precall routine was defined, but no workarea was provided via the PRECALLWA parameter 050201
28	(1C)	X'C'	0	CSVDYNEXRC_ENV	
					"12" Return code 12, environmental error

Comment

Reason codes for RC=12

End of Comment

28	(1C)	BITSTRING	0	CSVDYNEXRSNFUNCTIONNOTAVAILABLE	
					"X'00000C01'"
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOSTORAGE	
					"X'00000C02'" Storage was not available for a system control block or for containing the exit module.
28	(1C)	BITSTRING	0	CSVDYNEXRSNONEMODULEONLY	
					"X'00000C03'" The single module allowed by this exit has already been associated with that exit. The newly requested module cannot also be associated with that exit.
28	(1C)	BITSTRING	0	CSVDYNEXRSNNOTIMPLICITLYDEFINED	
					"X'00000C04'" An operator UNDEFINE request was requested but the exit had been explicitly defined. The request is denied.
28	(1C)	X'10'	0	CSVDYNEXRC_COMPERROR	
					"16" Unknown, unexpected error

Comment

Reason codes for RC=16

End of Comment

28	(1C)	BITSTRING	0	CSVDYNEXRSNCOMPERROR	
					"X'00001001'" System error encountered by component.
28	(1C)	X'20'	0	EXRET1_LEN	"*-EXRET1"

CSVEXRET Cross Reference

Name	Hex Offset	Hex Value
CSVDYNEX_PRECALL_CALL	1C	0
CSVDYNEX_PRECALL_NOCALL	1C	8
CSVDYNEXRC_COMPERROR	1C	10
CSVDYNEXRC_ENV	1C	C
CSVDYNEXRC_INVPARM	1C	8
CSVDYNEXRC_OK	1C	0
CSVDYNEXRC_WARN	1C	4
CSVDYNEXRSNALREADYEXISTS	1C	401
CSVDYNEXRSNANYKEYNOTRENT	1C	831
CSVDYNEXRSNBADABENDCONSEC	1C	82C
CSVDYNEXRSNBADALLOC	1C	829
CSVDYNEXRSNBADAMODE	1C	827
CSVDYNEXRSNBADANSAREA	1C	807
CSVDYNEXRSNBADANSAREAALET	1C	806

Name	Hex Offset	Hex Value
CSVDYNEXRSNBADANSLEN	1C	808
CSVDYNEXRSNBADDSNAMEALET	1C	820
CSVDYNEXRSNBADDSNAREA	1C	815
CSVDYNEXRSNBADESTAE	1C	80A
CSVDYNEXRSNBADEXAAVER	1C	830
CSVDYNEXRSNBADEXITNAME	1C	822
CSVDYNEXRSNBADEXRETVER	1C	833
CSVDYNEXRSNBADKEY	1C	828
CSVDYNEXRSNBADMODNAME	1C	823
CSVDYNEXRSNBADNEXTTOKEN	1C	81E
CSVDYNEXRSNBADOPEN	1C	818
CSVDYNEXRSNBADPARMLIST	1C	801
CSVDYNEXRSNBADPARMLISTALET	1C	80D
CSVDYNEXRSNBADPOS	1C	832
CSVDYNEXRSNBADREQUESTTYPE	1C	809
CSVDYNEXRSNBADRETAREA	1C	816
CSVDYNEXRSNBADRETAREAALET	1C	821
CSVDYNEXRSNBADRETLEN	1C	81A
CSVDYNEXRSNBADRUB	1C	824
CSVDYNEXRSNBADRUBALET	1C	825
CSVDYNEXRSNBADSDWA	1C	826
CSVDYNEXRSNBADVERSION	1C	80E
CSVDYNEXRSNBADWORKAREA	1C	817
CSVDYNEXRSNCODEMASK	1C	FFFF
CSVDYNEXRSNCOMPERROR	1C	1001
CSVDYNEXRSNDOESNOTEXIST	1C	402
CSVDYNEXRSNEXITNAMENOTFOUND	1C	819
CSVDYNEXRSNFUNCTIONNOTAVAILABLE	1C	C01
CSVDYNEXRSNHOMENOTPRIMARY	1C	805
CSVDYNEXRSNIMPLICITLYDEFINED	1C	40A
CSVDYNEXRSNLOCKED	1C	80F
CSVDYNEXRSNMODULENOTFOUND	1C	81C
CSVDYNEXRSNMOREMODULES	1C	407
CSVDYNEXRSNNODYNALLOC	1C	82B
CSVDYNEXRSNNOFASTPATH	1C	814
CSVDYNEXRSNNOMODULES	1C	406
CSVDYNEXRSNNOPRECALLWA	1C	835
CSVDYNEXRSNNORESMGR	1C	81D
CSVDYNEXRSNNOSTORAGE	1C	C02
CSVDYNEXRSNNOTALLDATARETURNED	1C	403
CSVDYNEXRSNNOTAPFAUTHORIZED	1C	82E
CSVDYNEXRSNNOTAUTHORIZED	1C	804
CSVDYNEXRSNNOTENABLED	1C	803
CSVDYNEXRSNNOTIMPLICITLYDEFINED	1C	C04
CSVDYNEXRSNNOTREENTRANT	1C	82A
CSVDYNEXRSNONEMODULEONLY	1C	C03
CSVDYNEXRSNQUERYNOTFOUND	1C	409
CSVDYNEXRSNREG2INRUB	1C	81B
CSVDYNEXRSNREG3WITHLINKSTACKNO	1C	82F
CSVDYNEXRSNRESERVEDNOT0	1C	80B
CSVDYNEXRSNSRBMODE	1C	802
CSVDYNEXRSNTASKNOTBELOWINITIATOR	1C	834
CSVDYNEXRSNUSERKEYDELETENOFORCE	1C	408
CSVDYNEXRSNWORKAREABADDATA	1C	81F
EXRET	0	
EXRET_LEN	14	18
EXRET#REM	4	
EXRET#RET	0	
EXRETABEND	8	80
EXRETABENDCODE	C	
EXRETABENDRSNCODE	10	
EXRETCODE	C	
EXRETFLAGS	8	
EXRETHDR	0	
EXRETINFO	8	
EXRETRECACCPLIST	9	8
EXRETRECACCRETAREA	9	10
EXRETRECACCRUB	9	20
EXRETRECERRORBEFOREINIT	9	80
EXRETRECEXITMODINCONTROL		

Name	Hex Offset	Hex Value
	9	40
EXRETRECOVERFLAGS		
	9	
EXRETRECPRECALLRTNINCONTROL		
	9	4
EXRETREGS	C	
EXRETRSN	10	
EXRETR1	14	
EXRET1	0	
EXRET1_LEN	1C	20
EXRET1#REM	4	
EXRET1#RET	0	
EXRET1ABEND	8	80
EXRET1ABENDCODE		
	C	
EXRET1ABENDRSNCODE		
	10	
EXRET1CODE	C	
EXRET1FLAGS	8	
EXRET1HDR	0	
EXRET1INFO	8	
EXRET1MODNAME		
	18	
EXRET1PRECALLINDICATOR		
	18	
EXRET1PRECALLROUTINEADDR		
	1C	
EXRET1RECACCPLIST		
	9	8
EXRET1RECACCRETAREA		
	9	10
EXRET1RECACCRUB		
	9	20
EXRET1RECERRORBEFOREINIT		
	9	80
EXRET1RECEXITMODINCONTROL		
	9	40
EXRET1RECOVERFLAGS		
	9	
EXRET1RECPRECALLRTNINCONTROL		
	9	4
EXRET1REGS	C	
EXRET1RSN	10	
EXRET1R1	14	

CSVEXTI Programming Interface information

Programming Interface information

CSVEXTI

End of Programming Interface information

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CSVEXTI Heading Information

Common Name: LOAD EXTInfo parameter mapping
Macro ID: CSVEXTI
DSECT Name: EXTI EXTIXE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
EXTI -- X'0130' bytes
EXTIXE -- X'0010' bytes
Created by: Caller and passed as parameter on EXTINFO keyword on LOAD
Pointed to by: LOAD parameter list
Serialization: None required
Function: Maps the data returned by the LOAD macro EXTINFO keyword.

CSVEXTI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXTI	EXTINFO mapping
0	(0)	SIGNED	1	EXTI_VERSION	Must be initialized to 0
1	(1)	SIGNED	1	EXTI_NUMEXTENTS	1 to 16
2	(2)	SIGNED	1	EXTI_AUTH	Authorization
3	(3)	CHARACTER	5		Reserved
8	(8)	CHARACTER	8	EXTI_EPA_BASSM	Entry Point address. This address is in the format needed to BASSM to the target routine. Thus, an AMODE 64 target will have bit 63 on. An AMODE 31 target will have bit 32 on. An AMODE 24 target will have neither.
8	(8)	CHARACTER	4	EXTI_EPA_BASSM_H	High half
12	(C)	CHARACTER	4	EXTI_EPA_BASSM_L	Low half
16	(10)	CHARACTER	8	EXTI_EPA	Entry Point address. This has no AMODE bits on.
16	(10)	CHARACTER	4	EXTI_EPA_H	High half
20	(14)	CHARACTER	4	EXTI_EPA_L	Low half
24	(18)	CHARACTER	8	EXTI_XATTR1	Extended attributes
32	(20)	CHARACTER	16		Reserved
48	(30)	CHARACTER	256	EXTI_EXTENT_AREA	EXTI_NUMEXTENTS contiguous entries each mapped by DSECT EXTIXE
48	(30)	X'130'	0	EXTI_LEN	"*-EXTI"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	EXTIXE	Extinfo Extent Entry
0	(0)	CHARACTER	8	EXTIXE_ADDR	Address
0	(0)	CHARACTER	4	EXTIXE_ADDR_H	High half
4	(4)	CHARACTER	4	EXTIXE_ADDR_L	Low half
8	(8)	CHARACTER	8	EXTIXE_LENGTH	Length
8	(8)	CHARACTER	4	EXTIXE_LENGTH_H	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
12	(C)	CHARACTER	4	EXTIXE_LENGTH_L	High half
12	(C)	X'10'	0	EXTIXE_LEN	Low half "*-EXTIXE"

CSVEXTI Cross Reference

Name	Hex Offset	Hex Value
EXTI	0	
EXTI_AUTH	2	
EXTI_EPA	10	
EXTI_EPA_BASSM	8	
EXTI_EPA_BASSM_H	8	
EXTI_EPA_BASSM_L	C	
EXTI_EPA_H	10	
EXTI_EPA_L	14	
EXTI_EXTENT_AREA	30	
EXTI_LEN	30	130
EXTI_NUMEXTENTS	1	
EXTI_VERSION	0	
EXTI_XATTR1	18	
EXTIXE	0	
EXTIXE_ADDR	0	
EXTIXE_ADDR_H	0	
EXTIXE_ADDR_L	4	
EXTIXE_LEN	C	10
EXTIXE_LENGTH	8	
EXTIXE_LENGTH_H	8	
EXTIXE_LENGTH_L	C	

CSVLPRET Programming Interface information

Programming Interface information

CSVLPRET

End of Programming Interface information

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CSVLPRET Heading Information

Common Name: Dynamic LPA Return Information
Macro ID: CSVLPRET
DSECT Name: LPMEA LPMED LPMEAX LPMEAQ
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
LPMEA -- X'0028' bytes
LPMEAX -- X'0010' bytes
LPMEAQ -- X'0024' bytes
LPMED -- X'0014' bytes
Created by: Caller and passed as parameter on MODINFO keyword on CSVDYLPA ADD and DELETE
System and passed as parameter to exit CSVDYLPA
System and provided as information within SMF Type 90 Subtype 31 record
Pointed to by: CSVDYLPA parameter list
Parameter passed to exit CSVDYLPA
Area within SMF Type 90 Subtype 31 record
Serialization: None required
Function: The MODINFO area is a contiguous array of entries, mapped by the LPMEA (for ADD) or LPMED (for DELETE) DSECT
An LPMEAX can be provided for ADD, which is also a contiguous array of entries. Each LPMEAX entry is related to the corresponding LPMEA entry.
An LPMEAQ most be provided when QueryOnly=YES is specified.

An area of continguous entries mapped by the LPMEA DSECT is provided to exit CSVDYLPA

An area of continguous entries mapped by the LPMEA DSECT is provided within the SMF Type 90 Subtype 31 record

CSVLPRET Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	LPMEA	Modinfo entry for ADD
0	(0)	CHARACTER	10	LPMEAINPUTINFO	Information provided by caller of dynamic LPA services. Provided to exit CSVDYLPA. Mapping of module entries within Type 90 Subtype 31 SMF records.
0	(0)	CHARACTER	8	LPMEANAME	The module name
8	(8)	BITSTRING	2	LPMEAINPUTFLAGS	Flags set by the caller Not applicable to exit CSVDYLPA or SMF record.
8	(8)	BITSTRING	1	LPMEAINPUTFLAGS0	Byte 0 of Flags. Not applicable when BYADDR=YES.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
Bit definitions:					
				End of Comment	
		1...		LPMEAFIXED	"X'80'" If on, page-fix this module
		.1..		LPMEAPAGEPROTPAGE	"X'40'" If on, page-protect only the whole pages of this module. If off, page-protect all bytes of this module.
		..1.		LPMEASTORAGEOWNERSYSTEM	"X'20'" If on, the storage in which the module is placed is to be OWNER=SYSTEM. If off, it is OWNER=HOME.
9	(9)	BITSTRING	1	LPMEAINPUTFLAGS1	Byte 1 of Flags. Not applicable when BYADDR=YES.
				Comment	
Bit definitions:					
				End of Comment	
		1...		LPMEASVC	"X'80'" This entry is an SVC. The SVC number is in LpmeaxSvcnum.
		.1..		LPMEAESVC	"X'40'" This entry is an extended SVC. The SVC number is in LpmeaxSvcnum. The extended svc routing code is in LpmeaxESvcrnum.
10	(A)	CHARACTER	30	LPMEAOUTPUTINFO	
10	(A)	BITSTRING	2	LPMEAOUTPUTFLAGS	Output: Flags
10	(A)	BITSTRING	1	LPMEAOUTPUTFLAGS0	Byte 0 of Flags. Only bit LpmeaSuccess is applicable to exit CSVDYLPA or SMF record - the module entry is only valid when that bit is on.
				Comment	
Bit definitions:					
				End of Comment	
		1...		LPMEASUCCESS	"X'80'" Successfully processed
		.1..		LPMEAMODPROB	"X'40'" A problem occurred processing this entry. Function with problem is indicated by LpmeaModprobFunction.
		..1.		LPMEAMODPROBABENDINFO	"X'20'" An unexpected abend occurred while processing this entry. Further information is in the LpmeaAbendRsnCodes area.
		...1		LPMEAMODPROBRETURNCODEINFO	"X'10'" An unexpected return code was received while processing this entry. Further information is in the LpmeaRetRsnCodes area.
11	(B)	BITSTRING	1	LPMEAMODPROBFUNCTION	Function with problem. See equates beginning with LpmeaModprob. Valid when LpmeaModprob is on.
11	(B)	BITSTRING	1	LPMEASUCCESSCONCATNUM	The concatenation number (0 to n) representing the data set in which the module was located. This will be 0 when the input was by data set (as opposed to by DDNAME or DCB address). It is only valid when LpmeaSuccess is on, or for exit CSVDYLPA or SMF record.
12	(C)	CHARACTER	28	LPMEASTUFF	
12	(C)	CHARACTER	28	LPMEASUCCESSINFO	Valid only when LpmeaSuccess is on.
12	(C)	CHARACTER	8	LPMEADELETETOKEN	Output: Token to be used on DELETE for this module.
20	(14)	ADDRESS	4	LPMEAENTRYPOINTADDR	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Output: The entry point. (Input for BYADDR=YES.) If this is a DELETE event either for exit CSVDYLPA or for an SMF record, then this field represents the entry point address of the now-current LPA copy of the module, or has a value of X'7FFFFFFF' when there is no remaining LPA copy of the module (in which case the LoadPointAddr and Length fields are not valid).
20	(14)	BITSTRING	3	LPMEAENTRYPOINTADDRBYTES0TO2	
				Comment	
				Bit definitions:	
				End of Comment	
		1...		LPMEAENTRYPOINTADDRBIT0	"X'80'" On if AMODE=31 or if the caller is AMODE 31 and the entry is AMODE=ANY
23	(17)	BITSTRING	1	LPMEAENTRYPOINTADDRBYTE3	
				Comment	
				Bit definitions:	
				End of Comment	
		1		LPMEAENTRYPOINTADDRBIT31	"X'01'" On if AMODE=64
24	(18)	ADDRESS	4	LPMEALOADPOINTADDR	Output: The load point. (Input for BYADDR=YES.)
28	(1C)	SIGNED	4	LPMEAMODLEN	Output: The length. (Input for BYADDR=YES.)
32	(20)	ADDRESS	4	LPMEALOADPOINTADDR2	Output: The load point of the secondary area. A PDSE module may be split into an above-16M part and a below-16M part. When the module is not split, this will be 0. (Input for BYADDR=YES.)
36	(24)	SIGNED	4	LPMEAMODLEN2	Output: The length of the secondary area. When the module is not split, this will be 0. (Input for BYADDR=YES.)
12	(C)	CHARACTER	8	LPMEARETRSNCODES	Valid when LpmeaModprobReturnCodeInfo
12	(C)	SIGNED	4	LPMEARETCODE	Output: Return code from function designated in LpmeaModprobFunction
16	(10)	SIGNED	4	LPMEARSNCODE	Output: Reason code from function designated in LpmeaModprobFunction
12	(C)	CHARACTER	8	LPMEAABENDRSNCODES	Valid when LpmeaModprobAbendInfo
12	(C)	SIGNED	4	LPMEAABENDCODE	Output: Abend code from function designated in LpmeaModprobFunction
16	(10)	SIGNED	4	LPMEAABENDRSNCODE	Output: Abend reason code from function designated in LpmeaModprobFunction
40	(28)	X'28'	0	LPMEA_LEN_V0	"40" Version 0 length
40	(28)	X'1'	0	LPMEAMODPROBNOTFOUND	"1" The module could not be located via the data set, ddname, or DCB@ that was provided
40	(28)	X'2'	0	LPMEAMODPROBNOTAUTH	"2" Not authorized to add this module to LPA
40	(28)	X'3'	0	LPMEAMODPROBDIRECTORY	"3" Directory processing produced an unexpected return code
40	(28)	X'4'	0	LPMEAMODPROBFETCH	"4" FETCH produced an unexpected return code
40	(28)	X'6'	0	LPMEAMODPROBPAGEPROT	"6" PGSER PROTECT produced an unexpected abend
40	(28)	X'7'	0	LPMEAMODPROBTOOMANYEXTENTS	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"7" Only load modules with 1 or 2 extents defined can be processed.
40	(28)	X'8'	0	LPMEAMODPROBNOTEXECUTABLE	
					"8" The module is not executable
40	(28)	X'A'	0	LPMEAMODPROBDESERVDESL	
					"10" Directory processing produced an unexpected return code
40	(28)	X'B'	0	LPMEAMODPROBDUPLICATE	
					"11" The member is a duplicate of another member.
40	(28)	X'C'	0	LPMEAMODPROBAMODE64NOTZARCH	
					"12" Attempt to create an LPA module byaddr that is AMODE 64 but the system is not running in z/Architecture mode
40	(28)	X'14'	0	LPMEAMODPROBUNEXPECTEDABEND	
					"20" An unexpected abend resulted while processing. Fields LpmeaAbendcode and LpmeaAbendrsncode contain the abend code and abend reason code.
40	(28)	X'28'	0	LPMEA_LEN	"*-LPMEA"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	LPMEAX	Modinfo entry for ADD
0	(0)	BITSTRING	1	LPMEAXVERSION	
					Initial version: 0
1	(1)	CHARACTER	15	LPMEAXMOREINPUTINFO	
					Information provided by the caller
1	(1)	BITSTRING	1	LPMEAXSVCNUM	Input SVC num
2	(2)	BITSTRING	1	LPMEAXESVCRNUM	
					Input extended SVC routing number
3	(3)	CHARACTER	13		Reserved
3	(3)	X'10'	0	LPMEAX_LEN_V0	
					"16" Version 0 length
3	(3)	X'10'	0	LPMEAX_LEN	"*-LPMEAX"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	LPMEAQ	Modinfo entry for ADD
0	(0)	BITSTRING	1	LPMEAQVERSION	
					Initial version: 0
1	(1)	CHARACTER	3		Initial version: 0
4	(4)	SIGNED	4	LPMEAQCSAREQ	Amount of CSA needed
8	(8)	SIGNED	4	LPMEAQECSAREQ	
					Amount of ECSA needed
12	(C)	SIGNED	4	LPMEAQSQAREQ	Amount of SQA needed
16	(10)	SIGNED	4	LPMEAQESQAREQ	
					Amount of ESQA needed
20	(14)	CHARACTER	16		Reserved
20	(14)	X'24'	0	LPMEAQ_LEN_V0	
					"36" Version 0 length
20	(14)	X'24'	0	LPMEAQ_LEN	"*-LPMEAQ"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	LPMED	Modinfo entry for DELETE
0	(0)	CHARACTER	18	LPMEDINPUTINFO	
					Information provided by caller
0	(0)	CHARACTER	8	LPMEDNAME	The module name
8	(8)	CHARACTER	8	LPMEDDELETETOKEN	
					Token returned when this module was added. Identifies the copy to delete.
16	(10)	BITSTRING	2	LPMEDINPUTFLAGS	

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Flags set by the caller
16	(10)	BITSTRING	1	LPMEDINPUTFLAGS0	
					Byte 0 of Flags
17	(11)	BITSTRING	1	LPMEDINPUTFLAGS1	
					Byte 0 of Flags
18	(12)	CHARACTER	2	LPMEDOUTPUTINFO	
					Information provided by the system.
18	(12)	BITSTRING	2	LPMEDOUTPUTFLAGS	
					Output: Flags
18	(12)	BITSTRING	1	LPMEDOUTPUTFLAGS0	
					Byte 0 of Flags
				Comment	
					Bit definitions:
				End of Comment	
		1...		LPMEDSUCCESS	"X'80'" Successfully processed
		.1..		LPMEDMODPROB	"X'40'" Problem occurred processing this entry. Function with problem is indicated by LpmedModprobFunction.
19	(13)	BITSTRING	1	LPMEDMODPROBFUNCTION	
					Function with problem. See equates beginning with LpmedModprob. Valid when LpmedModprob is on
19	(13)	X'14'	0	LPMED_LEN_V0	"20" Version 0 length
19	(13)	X'1'	0	LPMEDMODPROBNOTFOUND	
					"1" The module was not part of dynamic LPA.
19	(13)	X'2'	0	LPMEDMODPROBNOTAUTH	
					"2" Not authorized to delete this module from LPA
19	(13)	X'3'	0	LPMEDMODPROBUNEXPECTEDABEND	
					"3" An unexpected abend resulted while processing.
				Comment	
					Format constants returned for CSVDYLPA REQUEST(QUERYDYN)
				End of Comment	
19	(13)	X'0'	0	CSVDYLPADYNNOTAVAILABLE	
					"0"
19	(13)	X'1'	0	CSVDYLPADYNAVAILABLE	
					"1"
				Comment	
					Function constants for exit CSVDYLPA
				End of Comment	
19	(13)	X'0'	0	CSVDYLPAFUNCTIONADD	
					"0"
19	(13)	X'1'	0	CSVDYLPAFUNCTIONDELETE	
					"1"
				Comment	
					Return Code Information It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.
				End of Comment	
19	(13)	BITSTRING	0	CSVDYLPARSNCODEMASK	
					"X'0000FFFF'" Use this mask to isolate the non component-diagnostic portion of the reason code.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		CSVDYLPA Return and Reason Code definitions			
				End of Comment	
		....		CSVDYLPARC_OK	"X'00000000'" Meaning: CSVDYLPA request successful. Action: None required.
		.... .1..		CSVDYLPARC_WARN	"X'00000004'" Meaning: Warning Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTALLSUCCESSFUL	"X'00000401'" Meaning: For ADD and DELETE request, at least one input module could not be processed successfully. Information about the problem is contained within the MODINFO entry for that module, in field LpmeaOutputFlags (for ADD) or field LpmedOutputFlags (for DELETE). The system continued to process entries after the one for which the problem occurred. Action: Fix the problem before requesting the function again.
		.... 1...		CSVDYLPARC_INVPARM	"X'00000008'" Meaning: CSVDYLPA request specifies parmeters that are not valid. For ADD and DELETE, when the problem occurred while processing a particular MODINFO entry, the system will not process any additional MODINFO entries. Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVDYLPARSNBADPARMLIST	"X'00000801'" Meaning: Unable to access parameter list. Action: Check for possible storage overlay.
19	(13)	BITSTRING	0	CSVDYLPARSNSRBMODE	"X'00000802'" Meaning: SRB mode. Action: Avoid requesting this function in SRB mode.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTENABLED	"X'00000803'" Meaning: Not Enabled. Action: Avoid requesting this function while not enabled.
19	(13)	BITSTRING	0	CSVDYLPARSNHOMENOTPRIMARY	"X'00000805'" Meaning: Home address space different from primary address space. Action: Avoid requesting this function in this environment.
19	(13)	BITSTRING	0	CSVDYLPARSNBADREQUESTTYPE	"X'00000809'" Meaning: Request type is not valid. Action: Check for possible storage overlay of the parameter list.
19	(13)	BITSTRING	0	CSVDYLPARSNBADESTAEX	"X'0000080A'" Meaning: Unable to establish ESTAEX. "xxxx" contains the ESTAEX return code. There could be an FRR established. Action: Refer to documentation for ESTAEX return code "xxxx".
19	(13)	BITSTRING	0	CSVDYLPARSNRESERVEDNOT0	"X'0000080B'" Meaning: Reserved field not 0. Action: Check for possible storage overlay of the parameter list.
19	(13)	BITSTRING	0	CSVDYLPARSNBADPARMLISTALET	"X'0000080D'" Meaning: Unable to use ALET of parameter list. Action: Make sure that the ALET of the parameter list is valid. You might not have set up its access register properly.
19	(13)	BITSTRING	0	CSVDYLPARSNBADVERSION	"X'0000080E'" Meaning: Bad version number. Action: Check for possible storage overlay of the parameter list.
19	(13)	BITSTRING	0	CSVDYLPARSNLOCKED	"X'0000080F'" Meaning: Locked Action: Avoid requesting this function in this environment.
19	(13)	BITSTRING	0	CSVDYLPARSNBADDSNAMEAREA	"X'00000815'" Meaning: Unable to access data set name. Action: Make sure that the DSNAME area is valid.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
19	(13)	BITSTRING	0	CSVDYLPARSNBADMODINFOAREA	"X'00000816'" Meaning: Unable to access MODINFO area. Action: Make sure that the MODINFO area is valid.
19	(13)	BITSTRING	0	CSVDYLPARSNBADMODINFOALET	"X'00000817'" Meaning: Unable to use ALET of MODINFO area. Action: Make sure that the ALET of the MODINFO area is valid. You might not have set up its access register properly.
19	(13)	BITSTRING	0	CSVDYLPARSNBADOPEN	"X'00000818'" Meaning: Unable to open specified data set. Action: Make sure that you specified the proper data set, that it is a PDS or PDSE program library, and that it can be located by the system.
19	(13)	BITSTRING	0	CSVDYLPARSNBADNUMMOD	"X'0000081D'" Meaning: The value provided by the NUMMOD parameter is 0 or exceeds 256. Action: Specify a non-zero NUMMOD parameter value. Instead of providing more than 256 entries in a single call, use multiple calls each of which provides no more than 256 entries.
19	(13)	BITSTRING	0	CSVDYLPARSNBADDSNAMEALET	"X'00000820'" Meaning: Bad dsname ALET. Action: Make sure that the ALET of the DSNAME area is valid. You might not have set up its access register properly.
19	(13)	BITSTRING	0	CSVDYLPARSNBADMODULENAME	"X'00000822'" Meaning: Bad modulename - first character is 0 or blank. Action: Provide a valid module name.
19	(13)	BITSTRING	0	CSVDYLPARSNBADDSNAME	"X'00000823'" Meaning: Bad DSNAME - first character is 0 or blank. Action: Provide a valid data set name.
19	(13)	BITSTRING	0	CSVDYLPARSNBADALLOC	"X'00000829'" Meaning: Unable to allocate data set. Action: Make sure that you specified the proper data set, that it is a PDS or PDSE program library, and that it can be located by the system.
19	(13)	BITSTRING	0	CSVDYLPARSNFUNCTIONNOTAVAILABLE	"X'0000082B'" Meaning: Required DFSMS function or dynamic allocation is not available or request issued prior to the LNKLST being available. Action: Make sure that the required DFSMS support is installed. Avoid requesting the function in an environment where dynamic allocation is not available. Avoid requesting the function until the LNKLST is available. Avoid requesting dynamic LPA services via the PROG=xx parameter of the IEASYSxx parmlib member.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTAUTHDCB	"X'0000082C'" Meaning: Not authorized to use DCB option. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using the DCB option without the required authorization.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTAUTHCONCAT	"X'0000082D'" Meaning: If not supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized, or if APFREQUIRED=YES is specified or defaulted, the concatenation represented by the input DDNAME or DCB must be APF authorized. Action: Avoid using a non-APF authorized concatenation without the required authorization.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTAUTHMEMBERMASK	"X'0000082E'" Meaning: Not authorized to use MemberMask option. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using the MODINFOTYPE=MEMBERMASK function without the required authorization.
19	(13)	BITSTRING	0	CSVDYLPARSNBADMODINFOXAREA	"X'00000830'" Meaning: Unable to access MODINFOX area. Action: Make sure that the MODINFOX area is valid.
19	(13)	BITSTRING	0	CSVDYLPARSNBADMODINFOXALET	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'00000831'" Meaning: Unable to use ALET of MODINFOX area. Action: Make sure that the ALET of the MODINFOX area is valid. You might not have set up its access register properly.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTESVC	"X'00000833'" Meaning: An extended SVC was selected, but the specified SVC number is not an extended SVC. Action: Fix the SVC number.
19	(13)	BITSTRING	0	CSVDYLPARSNBADESVCRNUM	"X'00000834'" Meaning: The routing number for the selected extended SVC exceeded the number of entries for that extended SVC that were defined at IPL. Action: Fix the extended SVC routine number.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTPARTITIONED	"X'0000083C'" Meaning: For ADD request, the data set is not partitioned. Action: Make sure that you specified the proper data set and that it is a PDS or PDSE program library.
19	(13)	BITSTRING	0	CSVDYLPARSNBADBYADDRINFO	"X'0000083D'" Meaning: For ADD request with BYADDR=YES, the module information is incorrect. Action: Make sure that the entry point and load point addresses represent common area storage. Make sure that the entry point lies within the primary load segment.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTAUTHBYADDR	"X'0000083E'" Meaning: Not authorized to use BYADDR=YES option. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using BYADDR=YES without the required authorization.
19	(13)	BITSTRING	0	CSVDYLPARSNBADDCBAREA	"X'0000083F'" Meaning: Unable to access the opened DCB. Action: Make sure that the DCB has been opened.
19	(13)	BITSTRING	0	CSVDYLPARSNENQHELDSHARED	"X'00000840'" Meaning: The ENQ resource with QNAME SYSZCSV and RNAME CSVDYLPA was held in the shared state on entry to dynamic LPA services. Action: Avoid holding the ENQ shared when using dynamic LPA services.
19	(13)	BITSTRING	0	CSVDYLPARSNBADLPMEAQAREA	"X'00000841'" Meaning: Unable to access LPMEAQ area. Action: Make sure that the LPMEAQ area is valid.
19	(13)	BITSTRING	0	CSVDYLPARSNBADLPMEAQALET	"X'00000842'" Meaning: Unable to use ALET of LPMEAQ area. Action: Make sure that the ALET of the LPMEAQ area is valid. You might not have set up its access register properly.
19	(13)	BITSTRING	0	CSVDYLPARSNNOTAUTHADDALIAS	"X'00000843'" Meaning: Not authorized to use the ADDALIAS=YES function. Must be supervisor state, PKM allowing key 0-7, PSW key 0-7, or APF authorized. Action: Avoid using the ADDALIAS=YES function without the required authorization.
		.... 11..		CSVDYLPARC_ENV	"X'0000000C'" Meaning: Environmental error Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVDYLPARSNNOSTORAGE	"X'00000C02'" Meaning: There is not sufficient storage to complete the request. Action: Contact your system programmer. There is a shortage of common storage.
19	(13)	BITSTRING	0	CSVDYLPARSNBADDIRECTORY	"X'00000C04'" Meaning: When using the MemberMask option, the data set directory was in error. Either an I/O error occurred accessing the directory, or the format of a directory entry was incorrect. Action: Fix the data set directory. Make sure that the data set is a PDS or PDSE program library.
19	(13)	BITSTRING	0	CSVDYLPARSNSTORAGELIMEXCEEDED	

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Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					"X'00000C05'" Meaning: For ADD request, the amount of module storage needed for the request would have caused the amount of CSA or ECSA remaining to fall below the threshold specified by the system programmer using the LPA CSAMIN statement of PROGxx or the SETPROG LPA,CSAMIN system command. Action: Specify that fewer modules be added, or have the system programmer reduce the CSAMIN amounts.
		...1		CSVDYLPARC_COMPERROR	
					"X'00000010'" Meaning: Unexpected failure. Action: Refer to the action provided with the specific reason code.
19	(13)	BITSTRING	0	CSVDYLPARSNCOMPERROR	
					"X'00001001'" Meaning: Unexpected failure. The state of the request is unpredictable. Action: Contact your system programmer.
19	(13)	X'14'	0	LPMED_LEN	"*-LPMED"

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Name	Hex Offset	Hex Value
CSVDYLPADYNAVAILABLE	13	1
CSVDYLPADYNNOTAVAILABLE	13	0
CSVDYLPAFUNCTIONADD	13	0
CSVDYLPAFUNCTIONDELETE	13	1
CSVDYLPARC_COMPERROR	13	10
CSVDYLPARC_ENV	13	C
CSVDYLPARC_INVPARM	13	8
CSVDYLPARC_OK	13	0
CSVDYLPARC_WARN	13	4
CSVDYLPARSNBADALLOC	13	829
CSVDYLPARSNBADBYADDRINFO	13	83D
CSVDYLPARSNBADDCBAREA	13	83F
CSVDYLPARSNBADDIRECTORY	13	C04
CSVDYLPARSNBADDSNAME	13	823
CSVDYLPARSNBADDSNAMEALET	13	820
CSVDYLPARSNBADDSNAMEAREA	13	815
CSVDYLPARSNBADESTAEX	13	80A
CSVDYLPARSNBADESVCRNUM	13	834
CSVDYLPARSNBADLPMEAQALET	13	842
CSVDYLPARSNBADLPMEAQAREA	13	841
CSVDYLPARSNBADMODINFOALET	13	817
CSVDYLPARSNBADMODINFOAREA	13	816
CSVDYLPARSNBADMODINFOXALET	13	831
CSVDYLPARSNBADMODINFOXAREA	13	830
CSVDYLPARSNBADMODULENAME	13	822
CSVDYLPARSNBADNUMMOD	13	81D
CSVDYLPARSNBADOPEN	13	818
CSVDYLPARSNBADPARMLIST	13	801
CSVDYLPARSNBADPARMLISTALET	13	80D
CSVDYLPARSNBADREQUESTTYPE	13	809
CSVDYLPARSNBADVERSION	13	80E
CSVDYLPARSNCODEMASK	13	FFFF
CSVDYLPARSNCOMPERROR	13	1001
CSVDYLPARSNENQHELDSHARED	13	840
CSVDYLPARSNFUNCTIONNOTAVAILABLE	13	82B
CSVDYLPARSNHOMENOTPRIMARY	13	805
CSVDYLPARSNLOCKED	13	80F
CSVDYLPARSNNOSTORAGE	13	C02
CSVDYLPARSNNOTALLSUCCESSFUL	13	401
CSVDYLPARSNNOTAUTHADDALIAS	13	843
CSVDYLPARSNNOTAUTHBYADDR	13	83E
CSVDYLPARSNNOTAUTHCONCAT	13	82D
CSVDYLPARSNNOTAUTHDCB	13	82C
CSVDYLPARSNNOTAUTHMEMBERMASK	13	82E

Name	Hex Offset	Hex Value
CSVDYLPARSNNOTENABLED		
	13	803
CSVDYLPARSNNOTESVC		
	13	833
CSVDYLPARSNNOTPARTITIONED		
	13	83C
CSVDYLPARSNRESERVEDNOT0		
	13	80B
CSVDYLPARSNSRBMODE		
	13	802
CSVDYLPARSNSTORAGELIMEXCEEDED		
	13	C05
LPMEA	0	
LPMEA_LEN	28	28
LPMEA_LEN_V0	28	28
LPMEAABENDCODE		
	C	
LPMEAABENDRSNCODE		
	10	
LPMEAABENDRSNCODES		
	C	
LPMEADELETETOKEN		
	C	
LPMEAENTRYPOINTADDR		
	14	
LPMEAENTRYPOINTADDRBIT0		
	14	80
LPMEAENTRYPOINTADDRBIT31		
	17	1
LPMEAENTRYPOINTADDRBYTES0TO2		
	14	
LPMEAENTRYPOINTADDRBYTE3		
	17	
LPMEAESVC	9	40
LPMEAFIXED	8	80
LPMEAINPUTFLAGS		
	8	
LPMEAINPUTFLAGS0		
	8	
LPMEAINPUTFLAGS1		
	9	
LPMEAINPUTINFO		
	0	
LPMEALOADPOINTADDR		
	18	
LPMEALOADPOINTADDR2		
	20	
LPMEAMODLEN	1C	
LPMEAMODLEN2	24	
LPMEAMODPROB	A	40
LPMEAMODPROBABENDINFO		
	A	20
LPMEAMODPROBAMODE64NOTZARCH		
	28	C
LPMEAMODPROBDESERVDESL		
	28	A
LPMEAMODPROBDIRECTORY		
	28	3
LPMEAMODPROBDUPLICATE		
	28	B
LPMEAMODPROBFETCH		
	28	4
LPMEAMODPROBFUNCTION		
	B	
LPMEAMODPROBNOTAUTH		
	28	2
LPMEAMODPROBNOTEXECUTABLE		
	28	8
LPMEAMODPROBNOTFOUND		
	28	1
LPMEAMODPROBPAGEPROT		
	28	6
LPMEAMODPROBRETURNCODEINFO		
	A	10
LPMEAMODPROBTOOMANYEXTENTS		
	28	7
LPMEAMODPROBUNEXPECTEDABEND		
	28	14
LPMEANAME	0	
LPMEAOUTPUTFLAGS		
	A	
LPMEAOUTPUTFLAGS0		
	A	
LPMEAOUTPUTINFO		
	A	
LPMEAPAGEPROTPAGE		
	8	40
LPMEAQ	0	
LPMEAQ_LEN	14	24
LPMEAQ_LEN_V0		
	14	24
LPMEAQCSAREQ	4	
LPMEAQECSAREQ		
	8	
LPMEAQESQAREQ		
	10	
LPMEAQSQAREQ	C	
LPMEAQVERSION		
	0	
LPMEARETCODE	C	
LPMEARETRSNCODES		
	C	
LPMEARSNCODE	10	
LPMEASTORAGEOWNERSYSTEM		
	8	20
LPMEASTUFF	C	
LPMEASUCCESS	A	80
LPMEASUCCESSCONCATNUM		
	B	
LPMEASUCCESSINFO		
	C	
LPMEASVC	9	80
LPMEAX	0	
LPMEAX_LEN	3	10
LPMEAX_LEN_V0		
	3	10
LPMEAXESVCRNUM		
	2	
LPMEAXMOREINPUTINFO		
	1	
LPMEAXSVCNUM	1	
LPMEAXVERSION		
	0	
LPMED	0	
LPMED_LEN	13	14
LPMED_LEN_V0	13	14
LPMEDDELETETOKEN		
	8	
LPMEDINPUTFLAGS		
	10	

CSVLPRET Cross Reference

Name	Hex Offset	Hex Value
LPMEDINPUTFLAGS0		
	10	
LPMEDINPUTFLAGS1		
	11	
LPMEDINPUTINFO		
	0	
LPMEDMODPROB	12	40
LPMEDMODPROBFUNCTION		
	13	
LPMEDMODPROBNOTAUTH		
	13	2
LPMEDMODPROBNOTFOUND		
	13	1
LPMEDMODPROBUNEXPECTEDABEND		
	13	3
LPMEDNAME	0	
LPMEDOUTPUTFLAGS		
	12	
LPMEDOUTPUTFLAGS0		
	12	
LPMEDOUTPUTINFO		
	12	
LPMEDSUCCESS	12	80

CSVMODI Programming Interface information

Programming Interface information

CSVMODI

End of Programming Interface information

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CSVMODI Heading Information

Common Name: Contents module information
Macro ID: CSVMODI
DSECT Name: MODI_HEADER MODI_1 MODI_2 MODI_3 MODI_4 MODI_5 MODI_SEGLEN MODI_SEGADDR
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: MODI
Offset: 0
Length: 4
Storage Attributes: Subpool: 0
Key: User
Size: MODI64_1 -- X'0018' bytes
MODI_HEADER -- X'004C' bytes
MODI_1 -- X'0038' bytes
MODI_2 -- X'000C' bytes
MODI_3 -- X'0020' bytes
MODI_4 -- X'0004' bytes
MODI_5 -- X'0008' bytes
MODI_SEGLEN -- X'0004' bytes
MODI_SEGADDR -- X'0004' bytes
Created by: CSVINFO service
Pointed to by: This is a mapping for a parameter to the user routine called by the CSVINFO service (CSVINFOM). When the user routine gets control, register 1 points to a pointer to this information.
Serialization: Local lock for Job Pack Q and CMS lock for LPA for callers that are Supervisor state and PSW key 0.
Function: To provide information associated with an entry point.

CSVMODI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_HEADER	
0	(0)	CHARACTER	4	MODI_EYECATCHER	= 'MODI'
4	(4)	CHARACTER	16	MODI_USERDATA	Copy of CSVINFO USERDATA
20	(14)	ADDRESS	4	MODI_ABDPL	Address of ABDUMP parmlist
24	(18)	CHARACTER	52	MODI_SECTIONS	Addresses and lengths of sections
24	(18)	ADDRESS	4	MODI_1_PTR	Address of the 1st section
28	(1C)	SIGNED	4	MODI_1_LEN	Length of the 1st section
32	(20)	ADDRESS	4	MODI_2_PTR	Address of the 2nd section
36	(24)	SIGNED	4	MODI_2_LEN	Length of the 2nd section
40	(28)	ADDRESS	4	MODI_3_PTR	Address of the 3rd section
44	(2C)	SIGNED	4	MODI_3_LEN	Length of the 3rd section
48	(30)	ADDRESS	4	MODI_4_PTR	Address of the 4th section
52	(34)	SIGNED	4	MODI_4_LEN	Length of the 4th section
56	(38)	ADDRESS	4	MODI_5_PTR	Address of the 5th section
60	(3C)	SIGNED	4	MODI_5_LEN	Length of the 5th section
64	(40)	BITSTRING	4	MODI_FLAGS	Flags

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
				Bit definitions:	
				End of Comment	
		1...		MODI_NO_MODI_2	"X'80'" The MODI_2 data could not be accessed from the dump
		.1..		MODI_NO_MODI_3	"X'40'" The MODI_3 data could not be accessed from the dump
		..1.		MODI_NO_MODI_4	"X'20'" The MODI_4 data could not be accessed from the dump
		...1		MODI_NO_MODI_5	"X'10'" The MODI_5 data could not be accessed from the dump
		.... 1...		MODI_NO_MODI_EPNAME	"X'08'" The MODI_EPNAME field could not be accessed from the dump
		.... .1..		MODI_NO_MODI64_1	"X'04'" The MODI64_1 data could not be accessed
68	(44)	BITSTRING	3		Reserved
68	(44)	ADDRESS	4	MODI64_1_PTR	Address of the 1st 64-bit section
72	(48)	SIGNED	4	MODI64_1_LEN	Length of the 1st 64-bit section
72	(48)	X'4C'	0	MODI_HEADER_LLL	"*-MODI_HEADER"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_1	
0	(0)	ADDRESS	4	MODI_RB@	If the module is reentrant, this field contains the address of the last RB that controlled the module. If the module is serially reusable, this field contains the address of the RB at the top of the Waiting queue. If the module was requested only through LOAD macro instructions, contains ZERO.
4	(4)	CHARACTER	8	MODI_8_BYTE_NAME	8 byte module name. This field does not contain the module name if MODI_PATHNAME is set on. In that case, this field contains an EBCDIC value indicating this is a pathname and the pathname is contained in MODI_EPNAME.
12	(C)	ADDRESS	4	MODI_ENT@	Module's relocated entry point address
12	(C)	CHARACTER	3	MODI_ENT@BYTES0TO2	First bytes of ENT@
				Comment	
				Bit definitions:	
				End of Comment	
		1...		MODI_AMODE	"X'80'" Routine runs in 31 bit mode
		1...		MODI_AMODE31	"X'80'" Routine runs in 31 bit mode
15	(F)	CHARACTER	1	MODI_ENT@BYTE3	Last byte of ENT@
				Comment	
				Bit definitions:	
				End of Comment	
		1		MODI_AMODE64	"X'01'" Routine runs in 64 bit mode
16	(10)	CHARACTER	4		Reserved
20	(14)	ADDRESS	2	MODI_USE_CT	Value contains the TOTAL MODULE USE COUNT
22	(16)	CHARACTER	1	MODI_ATTR1	First byte of attributes

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		Comment			
		Bit definitions:			
		End of Comment			
		1...		MODI_EOM	"X'80'" ON=Delete module at memory termination
		.1..		MODI_IDENTIFY	"X'40'" This entry point was created via IDENTIFY
		..1.		MODI_RACDTY	"X'20'" ON=Module was loaded by 'dirty' task
		.... 1...		MODI_PLPA	"X'08'" ON=The module resides in PLPA
		.... .1..		MODI_GLOBAL	"X'04'" ON = Module is loaded to GLOBAL
		.... ..1.		MODI_CONTAM	"X'02'" ON = Module is contaminated. A module is considered contaminated if it is from an APF authorized library, but was fetched into subpool 251 (it is not reentrant) by a NON authorized caller.
		1		MODI_USED_BY_RACF	"X'01'" For use by external security manager (for RACF: user has execute authority to module)
23	(17)	CHARACTER	1	MODI_SP	Module subpool ID
24	(18)	CHARACTER	1	MODI_ATTR2	Attribute flags
		Comment			
		Bit definitions:			
		End of Comment			
		1...		MODI_NIP	"X'80'" This module was loaded by NIP or is a FIXED/MODIFIED LPA module
		.1..		MODI_NOT_IN_CORE	"X'40'" Module is in process of being LOADed
		..1.		MODI_REENT	"X'20'" Module is REENTRABLE
		...1		MODI_SER_REUS	"X'10'" Module is SERIALLY REUSABLE
		.... 1...		MODI_NON_FUNC	"X'08'" Module is NOT reentrant, and NOT reusable, and has been used once
		.... .1..		MODI_MINOR	"X'04'" This is a MINOR entry point
		.... ..1.		MODI_SP251	"X'02'" This module was loaded into subpool 251
		1		MODI_NOT_LOADABLE_ONLY	"X'01'" Module is NOT LOADABLE-ONLY
25	(19)	CHARACTER	1	MODI_ATTR3	Third attribute field
		Comment			
		Bit definitions:			
		End of Comment			
		1...		MODI_SP_ZERO	"X'80'" Module is in SUBPOOL ZERO
		.... 1...		MODI_ANY_MODE	"X'08'" Routine runs in ANY mode
		.... .1..		MODI_OVERLAY	"X'04'" Module is in OVERLAY FORMAT
		.... ..1.		MODI_AUTH_LIB	"X'02'" This module came from an APF authorized library (a library listed in the APF table)
		1		MODI_AUTH_MOD	"X'01'" This module is an authorized module (linkedited with AC=1)
26	(1A)	CHARACTER	1	MODI_ATTR4	Fourth attribute field

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
Bit definitions:					
				End of Comment	
		1...		MODI_PATHNAME	"X'80'" This module has an OpenMVS path name. The MODI_8_BYTE_NAME field contains an EBCDIC value indicating this is a pathname, and MODI_EPNAME contains the full path name.
		..1.		MODI_SPLIT	"X'20'" This is a "split" load module (part above, part below 16M)
		.... 1...		MODI_RTLS	"X'08'" Loaded by RTLS
		.... .1..		MODI_DLPA	"X'04'" Dynamic LPA
		.... ..1.		MODI_PROTP	"X'02'" Only whole pages are page-protected, as opposed to the entire module. Or module added by CSVDYLPA BYADDR=YES so page protection state is not known. Only on for dynamic LPA CDE.
27	(1B)	CHARACTER	1		RESERVED
28	(1C)	CHARACTER	8	MODI_XATTR1	Extended attributes
28	(1C)	CHARACTER	1	MODI_XATTR1_BYTE0	
29	(1D)	CHARACTER	1	MODI_XATTR1_BYTE1	
30	(1E)	CHARACTER	1	MODI_XATTR1_BYTE2	
				Comment	
Bit definitions:					
				End of Comment	
		1...		MODI_XATTR1_BASICPROGRAM	"X'80'"
		.1..		MODI_XATTR1_MAINPROGRAM	"X'40'"
		..1.		MODI_XATTR1_DIRTYFORMAIN	"X'20'"
31	(1F)	CHARACTER	1	MODI_XATTR1_BYTE3	
32	(20)	CHARACTER	1	MODI_XATTR1_BYTE4	
33	(21)	CHARACTER	1	MODI_XATTR1_BYTE5	
34	(22)	CHARACTER	1	MODI_XATTR1_BYTE6	
35	(23)	CHARACTER	1	MODI_XATTR1_BYTE7	
36	(24)	CHARACTER	4		Reserved
40	(28)	CHARACTER	8	MODI_ENT@64	Module's relocated 64-bit EPA
40	(28)	CHARACTER	4	MODI_ENT@64BYTES0TO3	First 4 bytes
44	(2C)	CHARACTER	4	MODI_ENT@64BYTES4TO7	Next 4 bytes
44	(2C)	CHARACTER	1	MODI_ENT@64BYTE4	Byte 4
				Comment	
Bit definitions:					
				End of Comment	
		1...		MODI_ENT@64_AMODE31	"X'80'" When this is on and MODI_ENT@64_AMODE64 is off, the routine is AMODE 64. When this is off and MODI_ENT@64_AMODE64 is off, the routine is AMODE 24.
45	(2D)	CHARACTER	2	MODI_ENT@64BYTES5TO6	Bytes 5-6
47	(2F)	CHARACTER	1	MODI_ENT@64BYTE7	Byte 7

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		Comment			
		Bit definitions:			
		End of Comment			
		1		MODI_ENT@64_AMODE64	"X'01'" When this is on, the the routine is AMODE 64.
48	(30)	CHARACTER	8	MODI_DSKEY	The data set key. This is used internally to help to identify uniquely the data set from which the module was fetched. The format of the key is not part of the programming interface. A value of 0 indicates that the data set key was not available.
48	(30)	X'38'	0	MODI_1_LLL	"*-MODI_1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_2	
0	(0)	SIGNED	4	MODI_RELOC_FAC_NUM	Number of relocation factors
4	(4)	SIGNED	4	MODI_MOD_LEN	Length of module
8	(8)	ADDRESS	4	MODI_LOAD@	Address of where module was loaded
8	(8)	X'C'	0	MODI_2_LLL	"*-MODI_2"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_SEGLEN	The first length is located at offset 4 from the beginning of the MODI_2 area
0	(0)	SIGNED	4	MODI_SEGMENT_LEN	Array of module segment lengths
0	(0)	X'4'	0	MODI_SEGLEN_LLL	"*-MODI_SEGLEN"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_SEGADDR	The first address is located at offset 4 plus the length of the area for the lengths (which is 4 * number of relocation factors)
0	(0)	ADDRESS	4	MODI_SEGMENT_ADDR	Array of module addresses
0	(0)	X'4'	0	MODI_SEGADDR_LLL	"*-MODI_SEGADDR"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI64_1	
0	(0)	CHARACTER	8	MODI64_1_HEADER	
0	(0)	SIGNED	4	MODI64_RELOC_FAC_NUM	Number of relocation factors
4	(4)	CHARACTER	4	MODI64_RSVD	Reserved
8	(8)	CHARACTER	16	MODI64_XTLST_ENTRY	Extent list entry
8	(8)	CHARACTER	8	MODI64_XTLST_SEGMENT_ADDR	
8	(8)	CHARACTER	4	MODI64_XTLST_SEGMENT_ADDR_H	
12	(C)	CHARACTER	4	MODI64_XTLST_SEGMENT_ADDR_L	
16	(10)	CHARACTER	8	MODI64_XTLST_SEGMENT_LEN	
16	(10)	CHARACTER	4	MODI64_XTLST_SEGMENT_LEN_H	
20	(14)	CHARACTER	4	MODI64_XTLST_SEGMENT_LEN_L	
20	(14)	X'18'	0	MODI64_1_LLL	"*-MODI64_1"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_3	
0	(0)	SIGNED	2	MODI_NAME_LEN	Length of the name
2	(2)	BITSTRING	2	MODI_ASID	ASID of address space in which this module was originally loaded. In an OpenMVS forked environment, this may not equal the current child address space ASID.
4	(4)	SIGNED	4	MODI_PROVIDER_ID	Provider Identifier
8	(8)	CHARACTER	16	MODI_PROVIDER_DATA	Provider Data
24	(18)	CHARACTER	8	MODI_EPTOKEN	Entry point token
32	(20)	CHARACTER	1	MODI_EPNAME (0)	Entry point name. The length of the name is in MODI_NAME_LEN. For OpenMVS modules this field contains the full OpenMVS pathname.
32	(20)	X'20'	0	MODI_3_LLL	"*-MODI_3"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_4	
0	(0)	SIGNED	2	MODI_LOAD_COUNT	The total number of requests for the module via the LOAD macro
2	(2)	SIGNED	2	MODI_LOAD_SYSCOUNT	The number of system requests for the module via the LOAD macro
2	(2)	X'4'	0	MODI_4_LLL	"*-MODI_4"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	MODI_5	
0	(0)	CHARACTER	8	MODI_8_BYTE_MAJOR_NAME	The 8 byte major name for a minor entry point

Comment

Eyecatcher for MODI_HEADER

End of Comment

0	(0)	X'D6C4C9'	0	MODI_TEXT	"C'MODI'" Eyecatcher

Comment

Return codes for service module

End of Comment

0	(0)	X'0'	0	MODI_OK	"0" Module processing occurred normally
0	(0)	X'4'	0	MODI_NOINFO	"4" There was no module information to return
0	(0)	X'8'	0	MODI_CALLER	"8" Processing terminated with a nonzero return code from the caller's subroutine
0	(0)	X'C'	0	MODI_LOCKS	"12" Locks needed to process the CSVINFO request could not be obtained
0	(0)	X'10'	0	MODI_INVALID_INPUT	"16" Processing terminated unexpectedly when invalid caller input was encountered
0	(0)	X'14'	0	MODI_NOTAVAIL	"20" The CSVINFO service routine is not available
0	(0)	X'18'	0	MODI_NOTRETRIEVED	"24" Processing terminated because requested information could not be retrieved from the dump
0	(0)	X'1C'	0	MODI_UNEXPECTED	"28" Processing terminated unexpectedly

CSVMODI Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	X'20'	0	MODI_BELOW430	"32" A system at a level lower than 4.3.0 was trying to use the CSVINFO service
0	(0)	X'24'	0	MODI_BAD_PARMLIST	"36" The CSVINFO parameter list is not valid with the level of CSVINFO service on the system
0	(0)	X'28'	0	MODI_LOOP_LIMIT	"40" The CSVINFO service has exceeded a large threshold value for the number of times the MIPR is invoked on a single call.
0	(0)	X'2C'	0	MODI_INELIGIBLE_RB	"44" The RB supplied via RBADDR as input for FUNC(RB) was not a PRB or SVRB.
0	(0)	X'30'	0	MODI_MIPR_FAILED	"48" The supplied MIPR routine failed.
0	(0)	X'34'	0	MODI_RB_LOOP	"52" The RB supplied via RBADDR as input for FUNC(RB) has resulted in the CSVINFO service exceeding the expected number of iterations through an RB chain.
0	(0)	X'8'	0	MODI_5_LLL	"*-MODI_5"

CSVMODI Cross Reference

Name	Hex Offset	Hex Value
MODI_ABDPL	14	
MODI_AMODE	C	80
MODI_AMODE31	C	80
MODI_AMODE64	F	1
MODI_ANY_MODE	19	8
MODI_ASID	2	
MODI_ATTR1	16	
MODI_ATTR2	18	
MODI_ATTR3	19	
MODI_ATTR4	1A	
MODI_AUTH_LIB	19	2
MODI_AUTH_MOD	19	1
MODI_BAD_PARMLIST	0	24
MODI_BELOW430	0	20
MODI_CALLER	0	8
MODI_CONTAM	16	2
MODI_DLPA	1A	4
MODI_DSKEY	30	
MODI_ENT@	C	
MODI_ENT@BYTES0TO2	C	
MODI_ENT@BYTE3	F	
MODI_ENT@64	28	
MODI_ENT@64_AMODE31	2C	80
MODI_ENT@64_AMODE64	2F	1
MODI_ENT@64BYTES0TO3	28	
MODI_ENT@64BYTES4TO7	2C	
MODI_ENT@64BYTES5TO6	2D	
MODI_ENT@64BYTE4	2C	
MODI_ENT@64BYTE7	2F	
MODI_EOM	16	80
MODI_EPNAME	20	
MODI_EPTOKEN	18	
MODI_EYECATCHER	0	
MODI_FLAGS	40	
MODI_GLOBAL	16	4
MODI_HEADER	0	
MODI_HEADER_LLL	48	4C
MODI_IDENTIFY	16	40
MODI_INELIGIBLE_RB	0	2C
MODI_INVALID_INPUT	0	10
MODI_LOAD_COUNT	0	
MODI_LOAD_SYSCOUNT	2	
MODI_LOAD@	8	
MODI_LOCKS	0	C
MODI_LOOP_LIMIT	0	28
MODI_MINOR	18	4
MODI_MIPR_FAILED	0	30
MODI_MOD_LEN	4	
MODI_NAME_LEN	0	
MODI_NIP	18	80
MODI_NO_MODI_EPNAME	40	8
MODI_NO_MODI_2	40	80
MODI_NO_MODI_3	40	40

Name	Hex Offset	Hex Value
MODI_NO_MODI_4	40	20
MODI_NO_MODI_5	40	10
MODI_NO_MODI64_1	40	4
MODI_NOINFO	0	4
MODI_NON_FUNC	18	8
MODI_NOT_IN_CORE	18	40
MODI_NOT_LOADABLE_ONLY	18	1
MODI_NOTAVAIL	0	14
MODI_NOTRETRIEVED	0	18
MODI_OK	0	0
MODI_OVERLAY	19	4
MODI_PATHNAME	1A	80
MODI_PLPA	16	8
MODI_PROTP	1A	2
MODI_PROVIDER_DATA	8	
MODI_PROVIDER_ID	4	
MODI_RACDTY	16	20
MODI_RB_LOOP	0	34
MODI_RB@	0	
MODI_REENT	18	20
MODI_RELOC_FAC_NUM	0	
MODI_RTLS	1A	8
MODI_SECTIONS	18	
MODI_SEGADDR	0	
MODI_SEGADDR_LLL	0	4
MODI_SEGLEN	0	
MODI_SEGLEN_LLL	0	4
MODI_SEGMENT_ADDR	0	
MODI_SEGMENT_LEN	0	
MODI_SER_REUS	18	10
MODI_SP	17	
MODI_SP_ZERO	19	80
MODI_SPLIT	1A	20
MODI_SP251	18	2
MODI_TEXT	0	D6C4C9
MODI_UNEXPECTED	0	1C
MODI_USE_CT	14	
MODI_USED_BY_RACF	16	1
MODI_USERDATA	4	
MODI_XATTR1	1C	
MODI_XATTR1_BASICPROGRAM	1E	80
MODI_XATTR1_BYTE0	1C	
MODI_XATTR1_BYTE1	1D	
MODI_XATTR1_BYTE2	1E	
MODI_XATTR1_BYTE3	1F	
MODI_XATTR1_BYTE4	20	
MODI_XATTR1_BYTE5	21	
MODI_XATTR1_BYTE6	22	
MODI_XATTR1_BYTE7	23	
MODI_XATTR1_DIRTYFORMAIN	1E	20
MODI_XATTR1_MAINPROGRAM	1E	40
MODI_1	0	
MODI_1_LEN	1C	
MODI_1_LLL	30	38
MODI_1_PTR	18	
MODI_2	0	
MODI_2_LEN	24	
MODI_2_LLL	8	C
MODI_2_PTR	20	
MODI_3	0	
MODI_3_LEN	2C	
MODI_3_LLL	20	20
MODI_3_PTR	28	
MODI_4	0	
MODI_4_LEN	34	
MODI_4_LLL	2	4
MODI_4_PTR	30	
MODI_5	0	
MODI_5_LEN	3C	
MODI_5_LLL	0	8
MODI_5_PTR	38	
MODI_8_BYTE_MAJOR_NAME	0	
MODI_8_BYTE_NAME	4	
MODI64_RELOC_FAC_NUM	0	
MODI64_RSVD	4	
MODI64_XTLST_ENTRY	8	
MODI64_XTLST_SEGMENT_ADDR	8	
MODI64_XTLST_SEGMENT_ADDR_H	8	
MODI64_XTLST_SEGMENT_ADDR_L	C	
MODI64_XTLST_SEGMENT_LEN	10	
MODI64_XTLST_SEGMENT_LEN_H	10	
MODI64_XTLST_SEGMENT_LEN_L	14	
MODI64_1	0	
MODI64_1_HEADER	0	
MODI64_1_LEN	48	
MODI64_1_LLL	14	18
MODI64_1_PTR	44	

CSVRTAA Programming Interface information

Programming Interface information

CSVRTAA

End of Programming Interface information

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CSVRTAA Heading Information

Common Name: RTLS Answer Area
Macro ID: CSVRTAA
DSECT Name: RTAAHDR RTAAPH RTAADS RTAAMO RTAALO RTAALPH RTAALU RTAAPL RTLSXTL RTLSXTLE
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Caller-supplied
Key: Caller-supplied
Residency: Caller-supplied
Size: Variable
RTAAHDR -- X'0038' bytes
RTAAPH -- X'0048' bytes
RTAADS -- X'0038' bytes
RTAAMO -- X'0024' bytes
RTAALO -- X'0050' bytes
RTAALPH -- X'0014' bytes
RTAALU -- X'0010' bytes
RTAAPL -- X'001C' bytes
RTLSXTL -- X'0088' bytes
RTLSXTLE -- X'0008' bytes
Created by: Caller and passed as parameter on ANSAREA keyword on CSVRTLS LIST
Pointed to by: CSVRTLS parameter list
Serialization: None required
Function: Maps the data returned by the CSVRTLS macro, LIST request.

The returned information consists of a header (RTAAHDR) which indicates how many physical entries (RTAAPH) and logical entries (RTAALO) follow.

RTAAHFIRSTPHADDR is a pointer to the first RTAAPH, and each RTAAPH points to the next (RTAAPHNEXTADDR). The count provided in header field RTAAHNumPH should be used to determine the number of exit entries to examine.

Each RTAAPH indicates how many data set entries (RTAADS), module entries (RTAAMO), and logical entries (RTAAPL) are associated with it. RTAAPHFIRSTDSADDR is a pointer to the first RTAADS, and each RTAADS points to the next (RTAADSNEXTADDR). The count provided in RTAAPHNumDS should be used to determine the number of data set entries to examine. RTAAPHFIRSTMOADDR is a pointer to the first RTAAMO, and each RTAAMO points to the next (RTAAMONEXTADDR). The count provided in RTAAPHNumMO should be used to determine the number of module entries to examine. RTAAPHFIRSTPLADDR is a pointer to the first RTAAPL, and each RTAAPL points to the next (RTAAPLNEXTADDR). The count provided in RTAAPHNumPL should be used to determine the number of module entries to examine.

Each RTAALO indicates how many physical entries (RTAALPH), module entries (RTAAMO), and user entries (RTAALU) are associated with it. RTAALOFIRSTLPHADDR is a pointer to the first RTAALPH, and each RTAALPH points to the next (RTAALPHNEXTADDR). The count provided in RTAALONumLPH should be used to determine the number of LPH entries to examine. RTAALOFIRSTMOADDR is a pointer to the first RTAAMO, and each RTAAMO points to the next (RTAAMONEXTADDR). The count provided in RTAALONumMO should be used to determine the number of module entries to examine. RTAALOFIRSTLUADDR is a pointer to the first RTAALU, and each RTAALU points to the next (RTAALUNEXTADDR). The count provided in RTAALONumLU should be used to determine the number of user entries to examine.

RTLSXTL maps the extent list returned by the outXTLST parameter of the CSVRTLS REQUEST=LOAD function. RTLSXTLE maps an entry within that extent list

CSVRTAA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAAHDR	Header section
0	(0)	SIGNED	4	RTAAHNUMPH	Number of RTAAPH entries which follow
4	(4)	SIGNED	4	RTAAHNUMLO	Number of RTAALO entries which follow
8	(8)	SIGNED	4	RTAAHNUMPHREM	Number of RTAAPH entries which were not returned because of insufficient space
12	(C)	SIGNED	4	RTAAHNUMLOREM	Number of RTAALO entries which were not returned because of insufficient space
16	(10)	SIGNED	4	RTAAHTLEN	Total length of answer area needed to contain all the requested information. This includes the area for the records that were returned on this call.
20	(14)	ADDRESS	4	RTAAHFIRSTPHADDR	Address of first RTAAPH
24	(18)	ADDRESS	4	RTAAHFIRSTLOADDR	Address of first RTAALO
28	(1C)	SIGNED	4	RTAAHMAXBELOW	Limitation (in bytes) of below-16M common for modules
32	(20)	SIGNED	4	RTAAHBELOWUSED	Number of bytes used of below-16M common for modules
36	(24)	SIGNED	4	RTAAHMAXABOVE	Limitation (in bytes) of above-16M common for modules. 0 indicates that there is no limit
40	(28)	SIGNED	4	RTAAHABOVEUSED	Number of bytes used of below-16M common for modules
44	(2C)	BITSTRING	1	RTAAHFLAGS	Flags
		1...		RTAAHNOABOVE16M	"X'80'" An attempt was made to get storage above-16M. The system was unable to comply and the storage was obtained below 16M. No subsequent caching of modules will be done.
		.1..		RTAAHCACHEBELOWISFULL	"X'40'"
		..1.		RTAAHCACHEABOVEISFULL	"X'20'"
45	(2D)	CHARACTER	3		Reserved
48	(30)	SIGNED	4	RTAAHFULLCACHELIMIT	Limit of number of times the RTLS cache could not meet the needs for the module being loaded before the cache is actually marked as being full.
52	(34)	SIGNED	4	RTAAHFULLCACHECOUNT	Number of times that the RTLS cache limit could not meet the needs for the module being loaded.

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
				Comment	
					Return Code Information It is guaranteed that no reason code will be reused (i.e., the same reason code will not be used for more than one return code). Also note carefully that bits 0-15 of the reason code may contain component-diagnostic data and must not be assumed to be 0.
				End of Comment	
52	(34)	BITSTRING	0	CSVRTLSRSNCODEMASK	"X'0000FFFF'" Use this mask to isolate the non component-diagnostic portion of the reason code.
				Comment	
					CSVRTLS Return and Reason Code definitions
				End of Comment	
		....		CSVRTLSRC_OK	"X'00000000'" Meaning: CSVRTLS request successful. Action: None required.
		.... .1..		CSVRTLSRC_WARN	"X'00000004'" Meaning: Warning Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLSRSNLISTNOMATCHES	"X'00000401'" Meaning: For LIST request, no matching logical and/or physical libraries matches the request. Action: Make sure that you specified the proper library name.
52	(34)	BITSTRING	0	CSVRTLSRSNALIASESEXIST	"X'00000402'" Meaning: For DISCONNECT request, there are outstanding alias entries to modules loaded for this library. An ATTACH(X), LINK(X), or XCTL(X) was issued using the name of a module loaded by RTLS for this library. Action: Avoid using DISCONNECT when there are such alias entries. If you cancel the jobstep, the system will perform the cleanup and disconnect on your behalf.
52	(34)	BITSTRING	0	CSVRTLSRSNNOTALLDATARETURNED	"X'00000403'" Meaning: For LIST request, not all data was returned because the answer area is not big enough. Answer area field RTAAHTLEN indicates how much space is currently required. Action: Allocate a larger area and request the function again.
		.... 1...		CSVRTLSRC_INVPARM	"X'00000008'" Meaning: CSVRTLS request specifies invalid parameters. Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLSRSNBADPARMLIST	"X'00000801'" Meaning: Unable to access parameter list. Action: Check for possible storage overlay.
52	(34)	BITSTRING	0	CSVRTLSRSNNOTAUTHORIZED	"X'00000804'" Meaning: For CONNECT or LOAD - not authorized. For CONNECT, the customer has requested that security checking be done. You do not have read access to RACF FACILITY class resource CSVRTLS.LIBRARY.libra ry.version. For LOAD, the customer has restricted access to the program that you are attempting to access. You do not have access to that program. Action: Request this function only when you have the proper authority. For LOAD, refer to the documenation for completion code 306 reason code 30 within the system codes publication, and the documentation for message CSV205I within the system messages publication for further information. While the completion code and message are not produced, the information pertaining to them does apply to this situation.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	BITSTRING	0	CSVRTLSRSNBADANSAREAALET	"X'00000806'" Meaning: Bad answer area ALET. Action: Make sure that the ALET associated with the answer area is valid. You might not have set up its access register properly.
52	(34)	BITSTRING	0	CSVRTLSRSNBADANSAREA	"X'00000807'" Meaning: Error accessing answer area. Action: Make sure that the provided answer area is valid.
52	(34)	BITSTRING	0	CSVRTLSRSNBADANSLEN	"X'00000808'" Meaning: LIST - AnsLen is less than size of the header area. Action: Provide a larger answer area (as indicated by the ANSLEN keyword).
52	(34)	BITSTRING	0	CSVRTLSRSNBADREQUESTTYPE	"X'00000809'" Meaning: Request type is not valid. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTLSRSNBADESTAEX	"X'0000080A'" Meaning: Unable to establish ESTAEX. "xxxx" contains ESTAE(X) return code. Action: Refer to documentation for ESTAEX return code "xxxx".
52	(34)	BITSTRING	0	CSVRTLSRSNRESERVEDNOT0	"X'0000080B'" Meaning: Reserved field not 0. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTLSRSNBADOUTXTLSTALET	"X'0000080C'" Meaning: Bad Outxtlst ALET. Action: Make sure that the ALET of the OUTXTLST area is valid. You might not have set up its access register properly.
52	(34)	BITSTRING	0	CSVRTLSRSNBADPARMLISTALET	"X'0000080D'" Meaning: Bad parmlist ALET. Action: Make sure that the ALET of the parameter list is valid. You might not have set up its access register properly.
52	(34)	BITSTRING	0	CSVRTLSRSNBADVERSION	"X'0000080E'" Meaning: Bad version number. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTLSRSNLIBRARYNOTFOUND	"X'00000810'" Meaning: For CONNECT or LIST request, the requested library is not defined to RTLS. Action: Make sure that you specified the correct library name.
52	(34)	BITSTRING	0	CSVRTLSRSNBADLISTTYPE	"X'00000811'" Meaning: For LIST, the ListType value is incorrect. Action: Check for possible storage overlay of the parameter list.
52	(34)	BITSTRING	0	CSVRTLSRSNBADCONTOKEN	"X'0000082C'" Meaning: For LOAD, DELETE, or DISCONNECT the input contoken does not represent a valid connection. Action: Make sure that you specified the connect token that was returned by the CONNECT request.
52	(34)	BITSTRING	0	CSVRTLSRSNMODULENOTLOADED	"X'0000082D'" Meaning: For LOAD, the module could not be loaded. A valid copy of the module was not located within the logical library represented by the connect token. If you are authorized, the only copy might have been within an unauthorized library. There might not have been enough storage available to satisfy the request to load the module. Action: Make sure that you specified the correct connect token and correct module name. If you are authorized, make sure that the library containing the module is authorized. When the field designated by the OUTEPA parameter is non-zero, it contains additional diagnostic information. That information is in the format 000cccrr where ccc represents a system completion code, and rr the reason code associated with that completion code. Refer to the system codes publication for further information.
52	(34)	BITSTRING	0	CSVRTLSRSNMODADDRNOTVALID	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					"X'0000082E'" Meaning: For DELETE, the provided address does not represent a module previously loaded by the LOAD request. Action: Make sure that you specified the correct connect token and correct module address.
52	(34)	BITSTRING	0	CSVRTLSRSNBADTCBADDR	"X'0000082F'" Meaning: The provided TCBADDR parameter does not specify a task that either is the current task or an ancestor task. The oldest task allowed is the connecting task. Alternately, the caller was not authorized. Action: Make sure that you specified the correct TCBADDR and that you are authorized.
52	(34)	BITSTRING	0	CSVRTLSRSNBADTASK	"X'00000830'" Meaning: The task issuing a LOAD or DELETE request is neither the connecting task nor a subtask of that task. The task issuing a DISCONNECT request is not the connecting task. Action: Make sure that you use the LOAD, DELETE, and DISCONNECT requests only from a proper task.
52	(34)	BITSTRING	0	CSVRTLSRSNBADOUTXTLST	"X'00000831'" Meaning: Unable to access the OutXtlst area. Action: Check that you provided a valid area.
52	(34)	BITSTRING	0	CSVRTLSRSNBADOUTXTLSTCONTENTS	"X'00000832'" Meaning: The RtlsXtlNumEntriesProvided field had an incorrect value. Action: Fill in the RtlsXtlNumEntriesProvided area using equate symbol RtlsXtlMaxNumEntries prior to invoking the macro.
		.... 11..		CSVRTLSRC_ENV	"X'0000000C'" Meaning: Environmental error Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLSRSNNOSTORAGE	"X'00000C01'" Meaning: No storage is available to complete the request. Action: Contact your system programmer. There is a common storage shortage.
52	(34)	BITSTRING	0	CSVRTLSRSNTOOMANYCONNECTIONS	"X'00000C02'" Meaning: The limit of 32 connections from an address space by unauthorized callers been reached. Action: Restructure your program so that it requests fewer connections.
52	(34)	BITSTRING	0	CSVRTLSRSNLOADDELETEINPROCESS	"X'00000C03'" Meaning: For the disconnect request, at least one load or delete request is still in process. Action: Avoid requesting a disconnect when there are loads or delete requests still being done. If the load or delete is being done from a subtask, your program could wait for that subtask to complete before issuing the disconnect request.
52	(34)	BITSTRING	0	CSVRTLSRSNTASKINRTLS	"X'00000C04'" Meaning: The issuing task is currently processing an RTLS request. Another request during this time is not allowed. Action: Avoid issuing an RTLS request from a program running as an interrupt request block (IRB) when the interrupted program is processing an RTLS request. Bit STCBINRT in the STCB data area will be on if the interrupted program is in this state.
		...1		CSVRTLSRC_COMPERROR	"X'00000010'" Meaning: Unexpected failure. Action: Refer to action provided with the reason code.
52	(34)	BITSTRING	0	CSVRTLSRSNCOMPERROR	"X'00001001'" Meaning: Unexpected failure. The state of the request is unpredictable. Action: Contact your system programmer.
52	(34)	X'38'	0	RTAAHDR_LEN	"*-RTAAHDR"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAAPH	RTAAPH Record data format
0	(0)	ADDRESS	4	RTAAPHNEXTADDR	Address of next RTAAPH. RTAAHNumPH must be used to determine how far along this chain to go.
4	(4)	ADDRESS	4	RTAAPHFIRSTDSADDR	Address of first RTAADS for this RTAAPH
8	(8)	ADDRESS	4	RTAAPHFIRSTMOADDR	Address of first RTAAMO for this RTAAPH
12	(C)	ADDRESS	4	RTAAPHFIRSTPLADDR	Address of first RTAAPL for this RTAAPH
16	(10)	CHARACTER	8	RTAAPHNAME	Name of physical data set
24	(18)	SIGNED	4	RTAAPHSEQNUM	Sequence number
28	(1C)	ADDRESS	4	RTAAPHDCBADDR	This is the address of the DCB, in common storage, associated with the physical library.
28	(1C)	ADDRESS	4	RTAAPHDCB@	This is the address of the DCB, in common storage, associated with the physical library.
32	(20)	SIGNED	4	RTAAPHNUMDS	Number of RTAADS entries associated with this physical data set
36	(24)	SIGNED	4	RTAAPHNUMMO	Number of RTAAMO entries associated with this physical data set
40	(28)	SIGNED	4	RTAAPHNUMPL	Number of RTAAPL entries associated with this physical data set
44	(2C)	BITSTRING	1	RTAAPHFLAGS	Flags
		1...		RTAAPHDELETEPENDING	"X'80'"
		.1..		RTAAPHCACHEBELOWISFULL	"X'40'"
		..1.		RTAAPHCACHEABOVEISFULL	"X'20'"
45	(2D)	CHARACTER	3		Reserved
48	(30)	SIGNED	4	RTAAPHMAXBELOW	Limitation (in bytes) of below-16M common for modules
52	(34)	SIGNED	4	RTAAPHBELOWUSED	Number of bytes used of below-16M common for modules
56	(38)	SIGNED	4	RTAAPHMAXABOVE	Limitation (in bytes) of above-16M common for modules. 0 indicates that there is no limit
60	(3C)	SIGNED	4	RTAAPHABOVEUSED	Number of bytes used of below-16M common for modules
64	(40)	SIGNED	4	RTAAPHFULLCACHELIMIT	Limit of number of times the physical library cache limit could not meet the needs for the module being loaded, before the cache is actually marked as being full.
68	(44)	SIGNED	4	RTAAPHFULLCACHECOUNT	Number of times that the physical library cache limit could not meet the needs for the module being loaded.
68	(44)	X'48'	0	RTAAPH_LEN	"*-RTAAPH"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAADS	RTAADS Record data format
0	(0)	ADDRESS	4	RTAADSNEXTADDR	Address of next RTAADS. RTAAPHNumDS must be used to determine how far along this chain to go.
4	(4)	CHARACTER	2		UNUSED
6	(6)	CHARACTER	6	RTAADSVOLSER	Volume ID. Represents status as of last allocation
12	(C)	CHARACTER	44	RTAADSNAME	Data set name.
12	(C)	X'38'	0	RTAADS_LEN	"*-RTAADS"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAAMO	RTAAMO Record data format
0	(0)	ADDRESS	4	RTAAMONEXTADDR	Address of next RTAAMO. RTAAPHNumMO must be used to determine how far along this chain to go.
4	(4)	BITSTRING	1	RTAAMOFLAGS	Flags
		1...		RTAAMOPRELOADREQUESTED	"X'80'"
		.1..		RTAAMOPRELOADSUCCESSFUL	"X'40'"
5	(5)	CHARACTER	3		UNUSED
8	(8)	ADDRESS	4	RTAAMOEPADDR	Entry-point address
12	(C)	ADDRESS	4	RTAAMOLOADPTADDR1	Load point
16	(10)	SIGNED	4	RTAAMOLENGTH1	Length
20	(14)	ADDRESS	4	RTAAMOLOADPTADDR2	Load point 2 (may be 0)
24	(18)	SIGNED	4	RTAAMOLENGTH2	Length (may be 0)
28	(1C)	CHARACTER	8	RTAAMONAME	Module name
28	(1C)	X'24'	0	RTAAMO_LEN	"*-RTAAMO"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAALO	RTAALO Record data format
0	(0)	ADDRESS	4	RTAALONEXTADDR	Address of next RTAALO. RTAAHNumLO must be used to determine how far along this chain to go.
4	(4)	ADDRESS	4	RTAALOFIRSTLPHADDR	Address of first RTAALPH for this RTAALO
8	(8)	ADDRESS	4	RTAALOFIRSTMOADDR	Address of first RTAAMO for this RTAALO
12	(C)	ADDRESS	4	RTAALOFIRSTLUADDR	Address of first RTAALU for this RTAALO
16	(10)	CHARACTER	8	RTAALONAME	Name of logical data set
24	(18)	CHARACTER	8	RTAALOVERSION	Version name
32	(20)	SIGNED	4	RTAALOSEQNUM	Sequence number
36	(24)	CHARACTER	4		UNUSED
40	(28)	SIGNED	4	RTAALONUMLPH	Number of RTAALPH entries associated with this logical data set
44	(2C)	SIGNED	4	RTAALONUMMO	Number of RTAAMO entries associated with this logical data set
48	(30)	SIGNED	4	RTAALONUMLU	Number of RTAALU entries associated with this logical data set
52	(34)	BITSTRING	1	RTAALOFLAGS	Flags
		1...		RTAALODELETEPENDING	"X'80'"
		.1..		RTAALODEFAULT	"X'40'"
53	(35)	SIGNED	1	RTAALOSECCHECK	See equates beginning with RtaaloSecCheck for values
54	(36)	SIGNED	2	RTAALOLIBRARYID	This is the internal ID that identifies the logical library
56	(38)	CHARACTER	8		Reserved
64	(40)	SIGNED	4	RTAALONUMREQUESTS	Number of times that the logical library was used successfully to load a module. This is the total of the following two fields plus those cases where neither the cache nor LleJPQ was used
68	(44)	SIGNED	4	RTAALONUMREQUESTSFROMCACHE	Number of times that the logical library cache was used to load a module.
72	(48)	SIGNED	4	RTAALONUMREQUESTSFROMCSV	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Number of times that the contents supervisor blocks were used to locate a previously fetched copy of the module (hence avoiding a new fetch)
76	(4C)	SIGNED	4	RTAALONUMREQUESTSFROMLLA	
					Number of times that the LLA located the copy to use
76	(4C)	X'1'	0	RTAALOSECCHECKYES	
					"1"
76	(4C)	X'2'	0	RTAALOSECCHECKNO	
					"2"
76	(4C)	X'50'	0	RTAALO_LEN	"*-RTAALO"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAALPH	RTAALPH Record data format
0	(0)	ADDRESS	4	RTAALPHNEXTADDR	
					Address of next RTAALPH. RTAALONumLPH must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	RTAALPHNAME	Physical data set name
12	(C)	SIGNED	4	RTAALPHSEQNUM	
					Sequence number
16	(10)	CHARACTER	4		Reserved
16	(10)	X'14'	0	RTAALPH_LEN	"*-RTAALPH"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAALU	RTAALU Record data format
0	(0)	ADDRESS	4	RTAALUNEXTADDR	
					Address of next RTAALU. RTAALONumLU must be used to determine how far along this chain to go.
4	(4)	SIGNED	2	RTAALUASID	ASID
6	(6)	CHARACTER	2		Unused
8	(8)	CHARACTER	8	RTAALUJOBNAME	
					Jobname
8	(8)	X'10'	0	RTAALU_LEN	"*-RTAALU"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTAAPL	RTAAPL Record data format
0	(0)	ADDRESS	4	RTAAPLNEXTADDR	
					Address of next RTAAPL. RTAAPHNumPL must be used to determine how far along this chain to go.
4	(4)	CHARACTER	8	RTAAPLNAME	Logical name
12	(C)	CHARACTER	8	RTAAPLVERSION	
					Version
20	(14)	SIGNED	4	RTAAPLSEQNUM	Sequence number
24	(18)	CHARACTER	4		Reserved
24	(18)	X'1C'	0	RTAAPL_LEN	"*-RTAAPL"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTLSXTL	Extent-list format
0	(0)	SIGNED	4	RTLSXTLNUMENTRIESPROVIDED	
					This should be initialized to RtlsXtlMaxNumEntries (16) prior to calling CSVRTLS REQUEST=LOAD.
4	(4)	SIGNED	4	RTLSXTLNUMENTRIES	
					The number of entries that follow.
8	(8)	CHARACTER	128	RTLSXTLENTRIES	

CSVRTAA Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
					Entries area. Entries are contigous. Each is mapped by RTLSXTLE
8	(8)	X'10'	0	RTLSXTLMAXNUMENTRIES	"16"
8	(8)	X'88'	0	RTLSXTL_LEN	"*-RTLSXTL"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	RTLSXTLE	Extent-list entry format
0	(0)	ADDRESS	4	RTLSXTLELOADPTADDR	Segment load point address
4	(4)	SIGNED	4	RTLSXTLELENGTH	Segment length
4	(4)	X'8'	0	RTLSXTLE_LEN	"*-RTLSXTLE"

CSVRTAA Cross Reference

Name	Hex Offset	Hex Value
CSVRTLSRC_COMPERROR	34	10
CSVRTLSRC_ENV	34	C
CSVRTLSRC_INVPARM	34	8
CSVRTLSRC_OK	34	0
CSVRTLSRC_WARN	34	4
CSVRTLSRSNALIASESEXIST	34	402
CSVRTLSRSNBADANSAREA	34	807
CSVRTLSRSNBADANSAREAALET	34	806
CSVRTLSRSNBADANSLEN	34	808
CSVRTLSRSNBADCONTOKEN	34	82C
CSVRTLSRSNBADESTAEX	34	80A
CSVRTLSRSNBADLISTTYPE	34	811
CSVRTLSRSNBADOUTXTLST	34	831
CSVRTLSRSNBADOUTXTLSTALET	34	80C
CSVRTLSRSNBADOUTXTLSTCONTENTS	34	832
CSVRTLSRSNBADPARMLIST	34	801
CSVRTLSRSNBADPARMLISTALET	34	80D
CSVRTLSRSNBADREQUESTTYPE	34	809
CSVRTLSRSNBADTASK	34	830
CSVRTLSRSNBADTCBADDR	34	82F
CSVRTLSRSNBADVERSION	34	80E
CSVRTLSRSNCODEMASK	34	FFFF
CSVRTLSRSNCOMPERROR	34	1001
CSVRTLSRSNLIBRARYNOTFOUND	34	810
CSVRTLSRSNLISTNOMATCHES	34	401
CSVRTLSRSNLOADDELETEINPROCESS	34	C03
CSVRTLSRSNMODADDRNOTVALID	34	82E
CSVRTLSRSNMODULENOTLOADED	34	82D
CSVRTLSRSNNOSTORAGE	34	C01
CSVRTLSRSNNOTALLDATARETURNED	34	403
CSVRTLSRSNNOTAUTHORIZED	34	804
CSVRTLSRSNRESERVEDNOT0	34	80B
CSVRTLSRSNTASKINRTLS	34	C04
CSVRTLSRSNTOOMANYCONNECTIONS	34	C02
RTAADS	0	
RTAADS_LEN	C	38
RTAADSNAME	C	
RTAADSNEXTADDR	0	
RTAADSVOLSER	6	
RTAAHABOVEUSED	28	
RTAAHBELOWUSED	20	
RTAAHCACHEABOVEISFULL	2C	20
RTAAHCACHEBELOWISFULL	2C	40
RTAAHDR	0	
RTAAHDR_LEN	34	38
RTAAHFIRSTLOADDR	18	
RTAAHFIRSTPHADDR		

Name	Hex Offset	Hex Value
	14	
RTAAHFLAGS	2C	
RTAAHFULLCACHECOUNT		
	34	
RTAAHFULLCACHELIMIT		
	30	
RTAAHMAXABOVE		
	24	
RTAAHMAXBELOW		
	1C	
RTAAHNOABOVE16M		
	2C	80
RTAAHNUMLO	4	
RTAAHNUMLOREM		
	C	
RTAAHNUMPH	0	
RTAAHNUMPHREM		
	8	
RTAAHTLEN	10	
RTAALO	0	
RTAALO_LEN	4C	50
RTAALODEFAULT		
	34	40
RTAALODELETEPENDING		
	34	80
RTAALOFIRSTLPHADDR		
	4	
RTAALOFIRSTLUADDR		
	C	
RTAALOFIRSTMOADDR		
	8	
RTAALOFLAGS	34	
RTAALOLIBRARYID		
	36	
RTAALONAME	10	
RTAALONEXTADDR		
	0	
RTAALONUMLPH	28	
RTAALONUMLU	30	
RTAALONUMMO	2C	
RTAALONUMREQUESTS		
	40	
RTAALONUMREQUESTSFROMCACHE		
	44	
RTAALONUMREQUESTSFROMCSV		
	48	
RTAALONUMREQUESTSFROMLLA		
	4C	
RTAALOSECCHECK		
	35	
RTAALOSECCHECKNO		
	4C	2
RTAALOSECCHECKYES		
	4C	1
RTAALOSEQNUM	20	
RTAALOVERSION		
	18	
RTAALPH	0	
RTAALPH_LEN	10	14
RTAALPHNAME	4	
RTAALPHNEXTADDR		
	0	
RTAALPHSEQNUM		
	C	
RTAALU	0	

Name	Hex Offset	Hex Value
RTAALU_LEN	8	10
RTAALUASID	4	
RTAALUJOBNAME		
	8	
RTAALUNEXTADDR		
	0	
RTAAMO	0	
RTAAMO_LEN	1C	24
RTAAMOEPADDR	8	
RTAAMOFLAGS	4	
RTAAMOLENGTH1		
	10	
RTAAMOLENGTH2		
	18	
RTAAMOLOADPTADDR1		
	C	
RTAAMOLOADPTADDR2		
	14	
RTAAMONAME	1C	
RTAAMONEXTADDR		
	0	
RTAAMOPRELOADREQUESTED		
	4	80
RTAAMOPRELOADSUCCESSFUL		
	4	40
RTAAPH	0	
RTAAPH_LEN	44	48
RTAAPHABOVEUSED		
	3C	
RTAAPHBELOWUSED		
	34	
RTAAPHCACHEABOVEISFULL		
	2C	20
RTAAPHCACHEBELOWISFULL		
	2C	40
RTAAPHDCB@	1C	
RTAAPHDCBADDR		
	1C	
RTAAPHDELETEPENDING		
	2C	80
RTAAPHFIRSTDSADDR		
	4	
RTAAPHFIRSTMOADDR		
	8	
RTAAPHFIRSTPLADDR		
	C	
RTAAPHFLAGS	2C	
RTAAPHFULLCACHECOUNT		
	44	
RTAAPHFULLCACHELIMIT		
	40	
RTAAPHMAXABOVE		
	38	
RTAAPHMAXBELOW		
	30	
RTAAPHNAME	10	
RTAAPHNEXTADDR		
	0	
RTAAPHNUMDS	20	
RTAAPHNUMMO	24	
RTAAPHNUMPL	28	
RTAAPHSEQNUM	18	
RTAAPL	0	
RTAAPL_LEN	18	1C
RTAAPLNAME	4	

CSVRTAA Cross Reference

Name	Hex Offset	Hex Value
RTAAPLNEXTADDR	0	
RTAAPLSEQNUM	14	
RTAAPLVERSION	C	
RTLSXTL	0	
RTLSXTL_LEN	8	88
RTLSXTLE	0	
RTLSXTLE_LEN	4	8
RTLSXTLELENGTH	4	
RTLSXTLELOADPTADDR	0	
RTLSXTLENTRIES	8	
RTLSXTLMAXNUMENTRIES	8	10
RTLSXTLNUMENTRIES	4	
RTLSXTLNUMENTRIESPROVIDED	0	

CSVTTEST Programming Interface Information

Programming Interface Information

CSVTTEST

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CSVTTEST Heading Information

Common Name: Contents Supervisor TSO Test Interface
Macro ID: CSVTTEST
DSECT Name: CSTT
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: CSTT
Offset: 0
Length: 4
Storage Attributes: Subpool: 205
Key: 0
Size:
Created by: CSVGETMD CSVSBRTN
Pointed to by: Register 1
Serialization: None
Function: The CSTT maps information passed across the SVC 61 (TSO Test) interface.

CSVTTEST Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CSTT	, mapping of interface with TSO TEST used across SVC(61)
0	(0)	CHARACTER	4	CSTT_EYECATCHER	= 'CSTT'
4	(4)	SIGNED	1	CSTT_LEVEL	Level number
5	(5)	BITSTRING	3	CSTT_FLAGS (0)	Three bytes of flags
5	(5)	BITSTRING	1	CSTT_FLAG1 (0)	Flag byte
		1...		CSTT_DELETE	"X'80'" =1 a DELETE is in process
		.1..		CSTT_FETCH	"X'40'" =1 a FETCH is in process
		..1.		CSTT_PDS	"X'20'" =1 PDS is in use
		...1		CSTT_PDSE	"X'10'" =1 PDSE is in use
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	4	CSTT_DE@	Pointer to the PDS2 directory entry
12	(C)	ADDRESS	4	CSTT_CDE@	Pointer to the CDE
16	(10)	ADDRESS	4	CSTT_DCB@	Pointer to the DCB
20	(14)	CHARACTER	8	CSTT_NAME	Name of entry being deleted
28	(1C)	ADDRESS	4	CSTT_EPA@	Address of entry being deleted
28	(1C)	X'1'	0	CSTTLNUM	"1" Level number of the CSTT
28	(1C)	X'E2E3E3'	0	CSTTTEXT	"C'CSTT'" Value for CSTTID.
28	(1C)	X'20'	0	CSTT_LEN	"*-CSTT"

CSVTTEST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CSTT	0		CSTT_PDSE	5	10
CSTT_CDE@	C		CSTTLNUM	1C	1
CSTT_DCB@	10		CSTTTEXT	1C	E2E3E3
CSTT_DE@	8				
CSTT_DELETE	5	80			
CSTT_EPA@	1C				
CSTT_EYECATCHER	0				
CSTT_FETCH	5	40			
CSTT_FLAGS	5				
CSTT_FLAG1	5				
CSTT_LEN	1C	20			
CSTT_LEVEL	4				
CSTT_NAME	14				
CSTT_PDS	5	20			

CSVXMENV Programming Interface information

Programming Interface information

CSVXMENV

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CSVXMENV Heading Information

Common Name: Mapping of XMENV parameter for SYNCHX
Macro ID: CSVXMENV
DSECT Name: XMENV XMENV1
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: None
Storage Attributes: Subpool: caller-provided
Key: caller-provided
Residency: caller-provided
Size: XMENV -- X'000A' bytes
XMENV1 -- X'0014' bytes
Created by: Created by caller, passed via XMENV=xxx on SYNCHX
Pointed to by: n/a
Serialization: n/a
Function: This maps the XMENV parameter information.

DSECT XMENV maps the basic XMENV information. Use this when not providing the extended information.

DSECT XMENV1 maps the extended XMENV information. Use this when providing the extended information.

CSVXMENV Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	XMENV	
0	(0)	SIGNED	2	XMENVLEN	Length of XMENV structure
2	(2)	SIGNED	2	XMENVPKM	PKM value to produce the PKM for the target routine
4	(4)	SIGNED	2	XMENVSASN	SASN value defining the target routine secondary ASN
6	(6)	SIGNED	2	XMENVEAX	EAX value defining the target routine EAX
8	(8)	SIGNED	2	XMENVPASN	PASN value defining the target routine primary ASN
8	(8)	X'A'	0	XMENV_LEN	"*-XMENV"

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	XMENV1	
0	(0)	SIGNED	2	XMENV1LEN	Length of XMENV1 structure
2	(2)	SIGNED	2	XMENV1PKM	PKM value to produce the PKM for the target routine
4	(4)	SIGNED	2	XMENV1SASN	SASN value defining the target routine secondary ASN
6	(6)	SIGNED	2	XMENV1EAX	EAX value defining the target routine EAX
8	(8)	SIGNED	2	XMENV1PASN	PASN value defining the target routine primary ASN
10	(A)	CHARACTER	2		Reserved
12	(C)	SIGNED	4	XMENV1PASTEIN	Primary ASTE instance number
16	(10)	SIGNED	4	XMENV1SASTEIN	Secondary ASTE instance number
16	(10)	X'14'	0	XMENV1_LEN	"*-XMENV1"

CSVXMENV Cross Reference

Name	Hex Offset	Hex Value
XMENV	0	
XMENV_LEN	8	A
XMENVEAX	6	
XMENVLEN	0	
XMENVPASN	8	
XMENVPKM	2	
XMENVSASN	4	
XMENV1	0	
XMENV1_LEN	10	14
XMENV1EAX	6	
XMENV1LEN	0	
XMENV1PASN	8	
XMENV1PASTEIN	C	
XMENV1PKM	2	
XMENV1SASN	4	
XMENV1SASTEIN	10	

CTSS Programming Interface information

Programming Interface information

CTSS

End of Programming Interface information

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CTSS Heading Information

Common Name: Component Trace Start/Stop Parmlist
Macro ID: ITTCTSS
DSECT Name: CTSS CTSSASIT CTSSJOBT CTSSOPTL
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: CTSS
Offset: 0
Length: 4
Storage Attributes: Subpool: 253
Key: 0
Size: 84 bytes
Created by: ITTCTSER entry point of ITTCT
ITTOCT entry point of ITTOC
ITTOA

INITIALIZED BY: ITTOCT, ITTCTSER, ITTOA
ITTOA initializes the following fields when this parameter list is passed to a component trace display exit routine by the D TRACE operator command
Pointed to by: Fullword at the address contained in register one when routine is invoked.
Serialization: None
Function: Parameter list passed to a component trace start/stop routine by the TRACE CT operator command processor or CTRACE DEFINE processing with a Parmlib member that specified to turn a component trace on.
Parameter list passed to a component trace display exit routine by the D TRACE operator command processor.

CTSS Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTSS	
0	(0)	CHARACTER	4	CTSSID	* 'CTSS' control block id
0	(0)	X'E3E2E2'	0	CTSSIDC	"C'CTSS'" * 'CTSS' parameter list id string
4	(4)	CHARACTER	2	CTSSVER	* 'CTSS' version
4	(4)	X'F0F2'	0	CTSSVERC	"CTSSVER2" * 'CTSS' current version
4	(4)	X'F0F1'	0	CTSSVER1	"C'01'" * 'CTSS' version HBB3310
4	(4)	X'F0F2'	0	CTSSVER2	"C'02'" * 'CTSS' version HBB4410
6	(6)	SIGNED	2	CTSSLEN	* 'CTSS' length
8	(8)	BITSTRING	4	CTSSFLGS	* Request flags.
		....		CTSSSTRT	"X'80000000'" * Request is to turn on a component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is OFF or MIN.
		....		CTSSSTOP	"X'40000000'" * Request is to turn off a component trace.
		....		CTSSLKHD	"X'20000000'" * Request is to make a component trace LIKEHEAD, ie, modify the trace so that it has the same status and attributes as its head level trace. This bit applies to SUB level traces only. See CTSSHDST.
		....		CTSSSUBD	"X'10000000'" * Request is to delete a component trace (CTRACE DELETE macro was issued by the component). This bit applies to SUB level and HEAD level traces and differentiates an off request from a delete request. When this bit is on, a start/stop routine can delete its buffers.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		....		CTSSRNSS	"X'08000000'" * This bit can be set by a HEAD start/stop routine to request that CTRACE pass control to the SUB start/stop routines. For CTRACE DELETE processing only, this bit is set by CTRACE before the HEAD start/stop routine is called, and if the component does not want SUB level trace start/stop routines to receive control, the component must turn this bit off. For CTRACE DELETE processing and TRACE CT OFF commands, this bit applies to all SUB level traces. For TRACE CT ON commands, this bit applies to SUB level traces in the LIKEHEAD state.
		....		CTSSCOPT	"X'04000000'" * Request is to trace with component options, OPTIONS=() was specified. If no options were specified in the parenthesis (CTSSOPTP=0) then this is a request to turn off all component trace options. A component trace that supports minimum options (CTRACE DEFINE MINOPS=options was specified), must revert to the those minimum options. This bit applies to component options only and does not effect buffer size.
		....		CTSSCASI	"X'02000000'" * Request is to trace by ASID, ASID=() was specified. This bit applies when the component trace supports filtering by ASID (CTRACE DEFINE ASIDS=YES was specified).
		....		CTSSCJOB	"X'01000000'" * Request is to trace by JOBNAME, JOBNAME=() was specified. This bit applies when the component trace support filtering by jobname (CTRACE DEFINE JOBS=YES was specified).
8	(8)	BITSTRING	0	CTSSCBUF	"X'00800000'" * Request specified buffer size. nnnK, nnnM, or BUFSIZE(nnnnK|M) was specified. This bit applies when the component trace supports buffer size specification (CTRACE DEFINE BUFFER=YES was specified).
8	(8)	BITSTRING	0	CTSSHDST	"X'00400000'" * State of HEAD (valid when CTSSLKHD is on), ='1'B HEAD is ON, ='0'B HEAD is OFF
8	(8)	BITSTRING	0	CTSSMOD	"X'00200000'" * Request is to modify an active component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is ON and the component trace can be modified (CTRACE DEFINE MOD=YES was specified).
8	(8)	BITSTRING	0	CTSSWCON	"X'00100000'" * Request was made to connect a trace to an external writer, TRACE CT,ON....WTR=jobname was specified. CTSSWTKN is set. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).
8	(8)	BITSTRING	0	CTSSWDIS	"X'00080000'" * Request was made to disconnect a trace from an external writer. One of the following was specified: TRACE CT,ON....WTR=DISCONNECT operator command or TRACE CT,ON....WTR(DISCONNECT) in a parmlib member or TRACE CT,OFF... operator command or CTRACE DELETE macro. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).
		.... 1...		CTSSDSPI	"X'00000008'" * Request is to provide display information. Display exit must set one of: CTSSDON or CTSSDOFF or CTSSDMIN. Display exit may set CTSSBUFS and CTSSOPTL. Any other fields in the CTSS should be ignored by the display exit and will be ignored by CTRACE processing.
		.... .1..		CTSSDON	"X'00000004'" * Display status. If on, the component trace display will indicate that the component trace mode is on.
		.... ..1.		CTSSDOFF	"X'00000002'" * Display status. If on, the component trace display will indicate that the component trace mode is off.
		1		CTSSDMIN	"X'00000001'" * Display status. If on, the component trace display will indicate that the component trace mode is min.
8	(8)	X'80'	0	BIT0	"128"
8	(8)	X'40'	0	BIT1	"64"
8	(8)	X'20'	0	BIT2	"32"
8	(8)	X'10'	0	BIT3	"16"
8	(8)	X'8'	0	BIT4	"8"

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	X'4'	0	BIT5	"4"
8	(8)	X'2'	0	BIT6	"2"
8	(8)	X'1'	0	BIT7	"1"
8	(8)	BITSTRING	1	CTSS1FLGS	* Request flags - byte 1
		1...		CTSS1STRT	"BIT0" * Request is to turn on a component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is OFF or MIN.
		.1..		CTSS1STOP	"BIT1" * Request is to turn off a component trace.
		..1.		CTSS1LKHD	"BIT2" * Request is to make a component trace LIKEHEAD, ie, modify the trace so that it has the same status and attributes as its head level trace. This bit applies to SUB level traces only. See CTSSHDST.
		...1		CTSS1SUBD	"BIT3" * Request is to delete a component trace (CTRACE DELETE macro was issued by the component). This bit applies to SUB level and HEAD level traces and differentiates an off request from a delete request. When this bit is on, a start/stop routine can delete its buffers.
		.... 1...		CTSS1RNSS	"BIT4" * This bit can be set by a HEAD start/stop routine to request that CTRACE pass control to the SUB start/stop routines. For CTRACE DELETE processing only, this bit is set by CTRACE before the HEAD start/stop routine is called, and if the component does not want SUB level trace start/stop routines to receive control, the component must turn this bit off. For CTRACE DELETE processing and TRACE CT OFF commands, this bit applies to all SUB level traces. For TRACE CT ON commands, this bit applies to SUB level traces in the LIKEHEAD state.
		.... .1..		CTSS1COPT	"BIT5" * Request is to trace with component options, OPTIONS=() was specified. If no options were specified in the parenthesis (CTSSOPTP=0) then this is a request to turn off all component trace options. A component trace that supports minimum options (CTRACE DEFINE MINOPS=options was specified), must revert to the those minimum options. This bit applies to component options only and does not effect buffer size.
		.... ..1.		CTSS1CASI	"BIT6" * Request is to trace by ASID, ASID=() was specified. This bit applies when the component trace supports filtering by ASID (CTRACE DEFINE ASIDS=YES was specified).
		1		CTSS1CJOB	"BIT7" * Request is to trace by JOBNAME, JOBNAME=() was specified. This bit applies when the component trace support filtering by jobname (CTRACE DEFINE JOBS=YES was specified).
9	(9)	BITSTRING	1	CTSS2FLGS	* Request flags - byte 2
		1...		CTSS2CBUF	"BIT0" * Request specified buffer size. nnnK, nnnM, or BUFSIZE(nnnnK|M) was specified. This bit applies when the component trace supports buffer size specification (CTRACE DEFINE BUFFER=YES was specified).
		.1..		CTSS2HDST	"BIT1" * State of HEAD (valid when CTSSLKHD is on), ='1'B HEAD is ON, ='0'B HEAD is OFF
		..1.		CTSS2MOD	"BIT2" * Request is to modify an active component trace. This bit is set when a TRACE CT ON command is issued and the component trace state is ON and the component trace can be modified (CTRACE DEFINE MOD=YES was specified).
		...1		CTSS2WCON	"BIT3" * Request was made to connect a trace to an external writer, TRACE CT,ON....WTR=jobname was specified. CTSSWTKN is set. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... 1...		CTSS2WDIS	"BIT4" * Request was made to disconnect a trace from an external writer. One of the following was specified: TRACE CT,ON....WTR=DISCONNECT operator command or TRACE CT,ON....WTR(DISCONNECT) in a parmlib member or TRACE CT,OFF... operator command or CTRACE DELETE macro. This bit applies when the component trace supports the external writer (CTRACE DEFINE WTR=YES was specified).
10	(A)	BITSTRING	1	CTSS3FLGS	* Request flags - byte 3
11	(B)	BITSTRING	1	CTSS4FLGS	* Request flags - byte 4
		.... 1...		CTSS4DSPI	"BIT4" * Request is to provide display information. Display exit must set one of: CTSSDON or CTSSDOFF or CTSSDMIN. Display exit may set CTSSBUFS and CTSSOPTL. Any other fields in the CTSS should be ignored by the display exit and will be ignored by CTRACE processing.
		.... .1..		CTSS4DON	"BIT5" * Display status. If on, the component trace display will indicate that the component trace mode is on.
		.... ..1.		CTSS4DOFF	"BIT6" * Display status. If on, the component trace display will indicate that the component trace mode is off.
		1		CTSS4DMIN	"BIT7" * Display status. If on, the component trace display will indicate that the component trace mode is min.
12	(C)	CHARACTER	4	CTSSUCMP	* requesting console id
12	(C)	CHARACTER	3		* reserved
15	(F)	CHARACTER	1	CTSSUCMP1	* requesting console id
16	(10)	SIGNED	4	CTSSBUFS	* Size of buffers in units of 1K. CTSSBUFS multiplied by 1024 determines the number of bytes requested for trace buffers. This field applies when CTSSCBUF is on and the CTSS is passed to a start/stop routine. When CTSSDSPI is on, a display exit routine can update this field with the size of buffers in units of 1K.
20	(14)	SIGNED	4	CTSSOPTP	* Pointer to component specific options mapped by CTSSOPTL or zero if no options were specified. This field applies when CTSSCOPT is on for a start/stop routine and when CTSSDSPI is on for a display exit routine.
24	(18)	SIGNED	4	CTSSASIP	* Pointer to table of ASIDs to filter on mapped by CTSSASTL or zero if no ASIDs were specified. This field applies when CTSSCASI is on.
28	(1C)	SIGNED	4	CTSSJOBP	* Pointer to table of jobnames to filter on mapped by CTSSJOBT or zero if no jobnames were specified. This field applies when CTSSCJOB is on.
32	(20)	CHARACTER	8	CTSSCART	* Command & Response Tokan
40	(28)	SIGNED	4	CTSSSNTP	* Pointer to the subname table or zero if not a SUB level trace, mapped by ITTSTAB.
44	(2C)	CHARACTER	16	CTSSUSRD	* User data. Copy of the user data that the component specified on CTRACE DEFINE USERDATA. This field may be updated by the start/stop routine.
60	(3C)	CHARACTER	8	CTSSWTKN	* Writer token. The component trace specifies this token as an input to the CTRACEWR to write buffers to an external data set.
68	(44)	SIGNED	4	CTSSW2GO	* Number of buffers that the component trace expects to write to the external dataset before the disconnect completes. This field can be set by a component trace start/stop routine to request that CTRACE processing disconnect the component trace from the external writer only after this number of buffers are written to the external data set by the component trace. This bit applies when CTSSWDIS is on and the start/stop routine is not running on behalf of a SUB level trace.
72	(48)	CHARACTER	12		* Reserved.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTSSASIT	* ASID table
0	(0)	CHARACTER	4	CTSSAHDR	* ASID table header
0	(0)	SIGNED	2	CTSSACNT	* Number of entries in table

CTSS Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
2	(2)	SIGNED	2		* Reserved
4	(4)	SIGNED	2	CTSSASID (16)	* ASID entries

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTSSJOBT	* Jobname table
0	(0)	CHARACTER	4	CTSSJHDR	* Jobname table header
0	(0)	SIGNED	2	CTSSJCNT	* Number of entries in table
2	(2)	SIGNED	2		* Reserved
4	(4)	CHARACTER	8	CTSSJOBN (16)	* Jobname entries

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTSSOPTL	Options list
0	(0)	CHARACTER	4	CTSSOHDR	* Options list header
0	(0)	SIGNED	2	CTSSOLEN	* Length of options string
2	(2)	SIGNED	2		* Reserved
4	(4)	CHARACTER	1024	CTSSOPTS	* Unparsed options string specified by operator or parmlib member.

CTSS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	8	80	CTSSOHDR	0	
BIT1	8	40	CTSSOLEN	0	
BIT2	8	20	CTSSOPTL	0	
BIT3	8	10	CTSSOPTP	14	
BIT4	8	8	CTSSOPTS	4	
BIT5	8	4	CTSSRNSS	8	0
BIT6	8	2	CTSSSNTP	28	
BIT7	8	1	CTSSSTOP	8	0
CTSS	0		CTSSSTRT	8	0
CTSSACNT	0		CTSSSUBD	8	0
CTSSAHDR	0		CTSSUCMP	C	
CTSSASID	4		CTSSUCMP1	F	
CTSSASIP	18		CTSSUSRD	2C	
CTSSASIT	0		CTSSVER	4	
CTSSBUFS	10		CTSSVERC	4	F0F2
CTSSCART	20		CTSSVER1	4	F0F1
CTSSCASI	8	0	CTSSVER2	4	F0F2
CTSSCBUF	8	800000	CTSSWCON	8	100000
CTSSCJOB	8	0	CTSSWDIS	8	80000
CTSSCOPT	8	0	CTSSWTKN	3C	
CTSSDMIN	8	1	CTSSW2GO	44	
CTSSDOFF	8	2	CTSS1CASI	8	2
CTSSDON	8	4	CTSS1CJOB	8	1
CTSSDSPI	8	8	CTSS1COPT	8	4
CTSSFLGS	8		CTSS1FLGS	8	
CTSSHDST	8	400000	CTSS1LKHD	8	20
CTSSID	0		CTSS1RNSS	8	8
CTSSIDC	0	E3E2E2	CTSS1STOP	8	40
CTSSJCNT	0		CTSS1STRT	8	80
CTSSJHDR	0		CTSS1SUBD	8	10
CTSSJOBN	4		CTSS2CBUF	9	80
CTSSJOBP	1C		CTSS2FLGS	9	
CTSSJOBT	0		CTSS2HDST	9	40
CTSSLEN	6		CTSS2MOD	9	20
CTSSLKHD	8	0	CTSS2WCON	9	10
CTSSMOD	8	200000	CTSS2WDIS	9	8

Name	Hex Offset	Hex Value
CTSS3FLGS	A	
CTSS4DMIN	B	1
CTSS4DOFF	B	2
CTSS4DON	B	4
CTSS4DSPI	B	8
CTSS4FLGS	B	

CTXASM Programming Interface information

Programming Interface information

CTXASM

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CTXASM Heading Information

Common Name: Context Services ASM Declares
Macro ID: CTXASM
DSECT Name: CTXBEGCPARMLIST CTXDINTPARMLIST CTXEINTPARMLIST CTXEINT1PARMLIST CTXENDCPARMLIST CTXRCIDPARMLIST CTXSCIDPARMLIST CTXSCID2PARMLIST CTXSWCHPARMLIST CTXEPPARMLIST
Owning Component: Context Services (SCCTX)
Eye-Catcher ID: None
Storage Attributes: Main Storage: N/A
Virtual Storage: N/A
Auxiliary Storage: N/A
Subpool: N/A
Key: N/A
Data Space: N/A
Residency: N/A
Size: N/A
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: CTXASM defines Context Services constants and parameter list mappings and DSECTS for programs written in the Assembler Language

CTXASM Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX_CRGSEIF_VALUE_1	, CRGSEIF Value 1 data
0	(0)	SIGNED	4	CTX_VALUE_1_DATA_LEN	Mapping length
4	(4)	SIGNED	4	CTX_VALUE_1_DATA_VER	Mapping version
8	(8)	SIGNED	2	CTX_VALUE_1_VER_1_DATA (0)	Version 1 data
8	(8)	CHARACTER	32	CTX_VALUE_1_RM_NAME	Resource manager name that Context Services should delegate private contexts to
8	(8)	X'1'	0	CTX_CRGSEIF_VALUE_1_VER_CONST	"1" Version constant
8	(8)	X'28'	0	CTX_CRGSEIF_VALUE_1_VER1_LEN	"40" Version 1 length

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXBEGCPARMLIST	,
0	(0)	ADDRESS	4	CTXBEGCRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXBEGCRESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CTXBEGCCONTEXTTOKENPTR	Context Token Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXDINTPARMLIST	,
0	(0)	ADDRESS	4	CTXDINTRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXDINTCITOKENPTR	Context Interest Token address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXEINTPARMLIST	,
0	(0)	ADDRESS	4	CTXEINTRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXEINTRESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CTXEINTCONTEXTTOKENPTR	Context Token Address
12	(C)	ADDRESS	4	CTXEINTMEMTERMOPTIONPTR	Memory Termination Option address
16	(10)	ADDRESS	4	CTXEINTCIDATAPTR	Context Interest Data address
20	(14)	ADDRESS	4	CTXEINTCURRENTCONTEXTTOKENPTR	Current Context Token Address address
24	(18)	ADDRESS	4	CTXEINTCITOKENPTR	Context Interest Token address
28	(1C)	ADDRESS	4	CTXEINTRETURNEDCIDATAPTR	Returned Context Interest Data address
32	(20)	ADDRESS	4	CTXEINTMULTIPLEINTERESTOPTIONPTR	Multiple Interest Option address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXEINT1PARMLIST	,
0	(0)	ADDRESS	4	CTXEINT1RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXEINT1RESOURCEMANAGERTOKENPTR	RM Token Address
8	(8)	ADDRESS	4	CTXEINT1CONTEXTTOKENPTR	Context Token Address
12	(C)	ADDRESS	4	CTXEINT1MEMTERMOPTIONPTR	Memory Termination Option address
16	(10)	ADDRESS	4	CTXEINT1CIDATAPTR	Context Interest Data address
20	(14)	ADDRESS	4	CTXEINT1CURRENTCONTEXTTOKENPTR	Current Context Token address
24	(18)	ADDRESS	4	CTXEINT1CITOKENPTR	Context Interest Token address
28	(1C)	ADDRESS	4	CTXEINT1RETURNEDCIDATAPTR	Returned Context Interest Data address
32	(20)	ADDRESS	4	CTXEINT1MULTIPLEINTERESTOPTIONPTR	Multiple Interest Option address
36	(24)	ADDRESS	4	CTXEINT1WORKMANAGERNAMEPTR	Work manager name address

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

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	ADDRESS	4	CTXENDCRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXENDCCONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXENDCCOMPLETIONTYPEPTR	Completeion Type Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXRCIDPARMLIST	,
0	(0)	ADDRESS	4	CTXRCIDRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXRCIDCITOKENPTR	Context Interest Token address
8	(8)	ADDRESS	4	CTXRCIDCIDATAPTR	Context Interest Data address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXSCIDPARMLIST	,
0	(0)	ADDRESS	4	CTXSCIDRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSCIDCITOKENPTR	Context Interest Token
8	(8)	ADDRESS	4	CTXSCIDCIDATAPTR	Context Interest Data address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXSCID2PARMLIST	,
0	(0)	ADDRESS	4	CTXSCID2RETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSCID2CITOKENPTR	Context Interest Token
8	(8)	ADDRESS	4	CTXSCID2CIDATAPTR	Context Interest Data address
12	(C)	ADDRESS	4	CTXSCID2CURRENTCIDATAPTR	Current Context Interest Data address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXSWCHPARMLIST	,
0	(0)	ADDRESS	4	CTXSWCHRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSWCHCONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXSWCHDISCONTEXTTOKENPTR	Disassociated Context Token

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXSDTAPARMLIST	
0	(0)	ADDRESS	4	, CTXSDTARETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXSDTACONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXSDTAKEYPTR	
12	(C)	ADDRESS	4	CTXSDTADATALENGTHPTR	
16	(10)	ADDRESS	4	CTXSDTADATAPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXRDTAPARMLIST	
0	(0)	ADDRESS	4	, CTXRDTARETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXRDTACONTEXTTOKENPTR	Context Token Address
8	(8)	ADDRESS	4	CTXRDTAKEYPTR	
12	(C)	ADDRESS	4	CTXRDTABUFFERLENGTHPTR	
16	(10)	ADDRESS	4	CTXRDTADATALENGTHPTR	
20	(14)	ADDRESS	4	CTXRDTADATAPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXRCCPARMLIST	
0	(0)	ADDRESS	4	, CTXRCCRETURNCODEPTR	Return Code Address
4	(4)	ADDRESS	4	CTXRCCCONTEXTTOKENPTR	Context Token Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4BEGCPARMLIST	
0	(0)	ADDRESS	8	, CTX4BEGCRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4BEGCRESOURCEMANAGERTOKENPTR	RM Token Address
16	(10)	ADDRESS	8	CTX4BEGCCONTEXTTOKENPTR	Context Token Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4DINTPARMLIST	
0	(0)	ADDRESS	8	, CTX4DINTRETURNCODEPTR	Return Code Address
8	(8)	ADDRESS	8	CTX4DINTCITOKENPTR	Context Interest Token address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4EINTPARMLIST	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	ADDRESS	8	CTX4EINTRETURNCODEPTR ,	Return Code Address
8	(8)	ADDRESS	8	CTX4EINTRESOURCEMANAGERTOKENPTR	RM Token Address
16	(10)	ADDRESS	8	CTX4EINTCONTEXTTOKENPTR	Context Token Address
24	(18)	ADDRESS	8	CTX4EINTMEMTERMOPTIONPTR	Memory Termination Option address
32	(20)	ADDRESS	8	CTX4EINTCIDATAPTR	Context Interest Data address
40	(28)	ADDRESS	8	CTX4EINTCURRENTCONTEXTTOKENPTR	Current Context Token address
48	(30)	ADDRESS	8	CTX4EINTCITOKENPTR	Context Interest Token address
56	(38)	ADDRESS	8	CTX4EINTRETURNEDCIDATAPTR	Returned Context Interest Data address
64	(40)	ADDRESS	8	CTX4EINTMULTIPLEINTERESTOPTIONPTR	Multiple Interest Option address
72	(48)	ADDRESS	8	CTX4EINTWORKMANAGERNAMEPTR	Work manager name address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4ENDCPARMLIST	
0	(0)	ADDRESS	8	CTX4ENDCRETURNCODEPTR ,	Return Code Address
8	(8)	ADDRESS	8	CTX4ENDCCONTEXTTOKENPTR	Context Token Address
16	(10)	ADDRESS	8	CTX4ENDCCOMPLETIONTYPEPTR	Completeion Type Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4RCIDPARMLIST	
0	(0)	ADDRESS	8	CTX4RCIDRETURNCODEPTR ,	Return Code Address
8	(8)	ADDRESS	8	CTX4RCIDCITOKENPTR	Context Interest Token address
16	(10)	ADDRESS	8	CTX4RCIDCIDATAPTR	Context Interest Data address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4SCIDPARMLIST	
0	(0)	ADDRESS	8	CTX4SCIDRETURNCODEPTR ,	Return Code Address
8	(8)	ADDRESS	8	CTX4SCIDCITOKENPTR	Context Interest Token
16	(10)	ADDRESS	8	CTX4SCIDCIDATAPTR	Context Interest Data address
24	(18)	ADDRESS	8	CTX4SCIDCURRENTCIDATAPTR	Current Context Interest Data address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4SWCHPARMLIST	
				,	
0	(0)	ADDRESS	8	CTX4SWCHRETURNCODEPTR	
					Return Code Address
8	(8)	ADDRESS	8	CTX4SWCHCONTEXTTOKENPTR	
					Context Token Address
16	(10)	ADDRESS	8	CTX4SWCHDISCONTEXTTOKENPTR	
					Disassociated Context Token

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4SDTAPARMLIST	
				,	
0	(0)	ADDRESS	8	CTX4SDTARETURNCODEPTR	
					Return Code Address
8	(8)	ADDRESS	8	CTX4SDTACONTEXTTOKENPTR	
					Context Token Address
16	(10)	ADDRESS	8	CTX4SDTAKEYPTR	
24	(18)	ADDRESS	8	CTX4SDTADATALENGTHPTR	
32	(20)	ADDRESS	8	CTX4SDTADATAPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4RDTAPARMLIST	
				,	
0	(0)	ADDRESS	8	CTX4RDTARETURNCODEPTR	
					Return Code Address
8	(8)	ADDRESS	8	CTX4RDTACONTEXTTOKENPTR	
					Context Token Address
16	(10)	ADDRESS	8	CTX4RDTAKEYPTR	
24	(18)	ADDRESS	8	CTX4RDTABUFFERLENGTHPTR	
32	(20)	ADDRESS	8	CTX4RDTADATALENGTHPTR	
40	(28)	ADDRESS	8	CTX4RDTADATAPTR	

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTX4RCCPARMLIST	
				,	
0	(0)	ADDRESS	8	CTX4RCCRETURNCODEPTR	
					Return Code Address
8	(8)	ADDRESS	8	CTX4RCCCONTEXTTOKENPTR	
					Context Token Address

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXEPPARMLIST	
				,	
0	(0)	ADDRESS	4	CTXEPRETURNCODEPTR	
					Exit Return Code Address
4	(4)	ADDRESS	4	CTXEPVERSIONPTR	
					Exit Parameter List Version Number
8	(8)	ADDRESS	4	CTXEPEXITNUMBERPTR	
					Exit Number Address
12	(C)	ADDRESS	4	CTXEPRMTOKENPTR	
					Resource Manager Token Address
16	(10)	ADDRESS	4	CTXEPEXITMGRNAMEPTR	
					Registration Services Exit Manager Name Address

CTXASM Cross Reference

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
20	(14)	ADDRESS	4	CTXEPRMGLOBALDATAPTR	Resource Manager Global Data Address
24	(18)	ADDRESS	4	CTXEPCTOKENPTR	Context Token address
28	(1C)	ADDRESS	4	CTXEPCITOKENPTR	Context Interest Token Address
32	(20)	ADDRESS	4	CTXEPCIDATAPTR	Context Interest Data Address
36	(24)	ADDRESS	4	CTXEPVALUE1PTR	Value 1 Address
40	(28)	ADDRESS	4	CTXEPVALUE2PTR	Value 2 Address
44	(2C)	ADDRESS	4	CTXEPVALUE3PTR	Value 3 Address
48	(30)	ADDRESS	4	CTXEPVALUE4PTR	Value 4 Address
52	(34)	ADDRESS	4	CTXEPVALUE5PTR	Value 5 Address

CTXASM Cross Reference

Name	**Hex Offset**	**Hex Value**
CTX_CRGSEIF_VALUE_1	0	
CTX_CRGSEIF_VALUE_1_VER_CONST	8	1
CTX_CRGSEIF_VALUE_1_VER1_LEN	8	28
CTX_VALUE_1_DATA_LEN	0	
CTX_VALUE_1_DATA_VER	4	
CTX_VALUE_1_RM_NAME	8	
CTX_VALUE_1_VER_1_DATA	8	
CTXBEGCCONTEXTTOKENPTR	8	
CTXBEGCPARMLIST	0	
CTXBEGCRESOURCEMANAGERTOKENPTR	4	
CTXBEGCRETURNCODEPTR	0	
CTXDINTCITOKENPTR	4	
CTXDINTPARMLIST	0	
CTXDINTRETURNCODEPTR	0	
CTXEINTCIDATAPTR	10	
CTXEINTCITOKENPTR	18	
CTXEINTCONTEXTTOKENPTR	8	
CTXEINTCURRENTCONTEXTTOKENPTR	14	
CTXEINTMEMTERMOPTIONPTR	C	
CTXEINTMULTIPLEINTERESTOPTIONPTR	20	
CTXEINTPARMLIST	0	
CTXEINTRESOURCEMANAGERTOKENPTR	4	
CTXEINTRETURNCODEPTR	0	
CTXEINTRETURNEDCIDATAPTR	1C	
CTXEINT1CIDATAPTR	10	
CTXEINT1CITOKENPTR	18	
CTXEINT1CONTEXTTOKENPTR	8	
CTXEINT1CURRENTCONTEXTTOKENPTR	14	
CTXEINT1MEMTERMOPTIONPTR	C	
CTXEINT1MULTIPLEINTERESTOPTIONPTR	20	
CTXEINT1PARMLIST	0	
CTXEINT1RESOURCEMANAGERTOKENPTR	4	
CTXEINT1RETURNCODEPTR	0	
CTXEINT1RETURNEDCIDATAPTR	1C	
CTXEINT1WORKMANAGERNAMEPTR	24	
CTXENDCCOMPLETIONTYPEPTR	8	
CTXENDCCONTEXTTOKENPTR	4	
CTXENDCPARMLIST	0	
CTXENDCRETURNCODEPTR	0	
CTXEPCIDATAPTR	20	
CTXEPCITOKENPTR	1C	

Name	Hex Offset	Hex Value
CTXEPCTOKENPTR	18	
CTXEPEXITMGRNAMEPTR	10	
CTXEPEXITNUMBERPTR	8	
CTXEPPARMLIST	0	
CTXEPRETURNCODEPTR	0	
CTXEPRMGLOBALDATAPTR	14	
CTXEPRMTOKENPTR	C	
CTXEPVALUE1PTR	24	
CTXEPVALUE2PTR	28	
CTXEPVALUE3PTR	2C	
CTXEPVALUE4PTR	30	
CTXEPVALUE5PTR	34	
CTXEPVERSIONPTR	4	
CTXRCCCONTEXTTOKENPTR	4	
CTXRCCPARMLIST	0	
CTXRCCRETURNCODEPTR	0	
CTXRCIDCIDATAPTR	8	
CTXRCIDCITOKENPTR	4	
CTXRCIDPARMLIST	0	
CTXRCIDRETURNCODEPTR	0	
CTXRDTABUFFERLENGTHPTR	C	
CTXRDTACONTEXTTOKENPTR	4	
CTXRDTADATALENGTHPTR	10	
CTXRDTADATAPTR	14	
CTXRDTAKEYPTR	8	
CTXRDTAPARMLIST	0	
CTXRDTARETURNCODEPTR	0	
CTXSCIDCIDATAPTR	8	
CTXSCIDCITOKENPTR	4	
CTXSCIDPARMLIST	0	
CTXSCIDRETURNCODEPTR	0	
CTXSCID2CIDATAPTR	8	
CTXSCID2CITOKENPTR	4	
CTXSCID2CURRENTCIDATAPTR	C	
CTXSCID2PARMLIST	0	
CTXSCID2RETURNCODEPTR	0	
CTXSDTACONTEXTTOKENPTR	4	
CTXSDTADATALENGTHPTR	C	
CTXSDTADATAPTR	10	
CTXSDTAKEYPTR	8	
CTXSDTAPARMLIST	0	
CTXSDTARETURNCODEPTR	0	
CTXSWCHCONTEXTTOKENPTR	4	
CTXSWCHDISCONTEXTTOKENPTR	8	
CTXSWCHPARMLIST	0	
CTXSWCHRETURNCODEPTR	0	
CTX4BEGCCONTEXTTOKENPTR	10	
CTX4BEGCPARMLIST	0	
CTX4BEGCRESOURCEMANAGERTOKENPTR	8	
CTX4BEGCRETURNCODEPTR	0	
CTX4DINTCITOKENPTR	8	
CTX4DINTPARMLIST	0	
CTX4DINTRETURNCODEPTR	0	
CTX4EINTCIDATAPTR	20	
CTX4EINTCITOKENPTR	30	
CTX4EINTCONTEXTTOKENPTR	10	
CTX4EINTCURRENTCONTEXTTOKENPTR	28	
CTX4EINTMEMTERMOPTIONPTR	18	
CTX4EINTMULTIPLEINTERESTOPTIONPTR	40	
CTX4EINTPARMLIST	0	
CTX4EINTRESOURCEMANAGERTOKENPTR	8	
CTX4EINTRETURNCODEPTR	0	
CTX4EINTRETURNEDCIDATAPTR	38	
CTX4EINTWORKMANAGERNAMEPTR	48	
CTX4ENDCCOMPLETIONTYPEPTR	10	

Name	Hex Offset	Hex Value
CTX4ENDCCONTEXTTOKENPTR	8	
CTX4ENDCPARMLIST	0	
CTX4ENDCRETURNCODEPTR	0	
CTX4RCCCONTEXTTOKENPTR	8	
CTX4RCCPARMLIST	0	
CTX4RCCRETURNCODEPTR	0	
CTX4RCIDCIDATAPTR	10	
CTX4RCIDCITOKENPTR	8	
CTX4RCIDPARMLIST	0	
CTX4RCIDRETURNCODEPTR	0	
CTX4RDTABUFFERLENGTHPTR	18	
CTX4RDTACONTEXTTOKENPTR	8	
CTX4RDTADATALENGTHPTR	20	
CTX4RDTADATAPTR	28	
CTX4RDTAKEYPTR	10	
CTX4RDTAPARMLIST	0	
CTX4RDTARETURNCODEPTR	0	
CTX4SCIDCIDATAPTR	10	
CTX4SCIDCITOKENPTR	8	
CTX4SCIDCURRENTCIDATAPTR	18	
CTX4SCIDPARMLIST	0	
CTX4SCIDRETURNCODEPTR	0	
CTX4SDTACONTEXTTOKENPTR	8	
CTX4SDTADATALENGTHPTR	18	
CTX4SDTADATAPTR	20	
CTX4SDTAKEYPTR	10	
CTX4SDTAPARMLIST	0	
CTX4SDTARETURNCODEPTR	0	
CTX4SWCHCONTEXTTOKENPTR	8	
CTX4SWCHDISCONTEXTTOKENPTR	10	
CTX4SWCHPARMLIST	0	
CTX4SWCHRETURNCODEPTR	0	

CTXI Programming Interface information

Programming Interface information

CTXI

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

- CTXICNTL

End of Programming Interface information

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CTXI Heading Information

Common Name: CTRACE Exit Interface
Macro ID: ITTCTXI
DSECT Name: CTXI
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: CTXI
Offset: 0
Length: 4
Storage Attributes: Virtual Storage: Private storage in IPCS users address space
Subpool: 1
Key: 8
Size: 80 bytes
Created by: CTRACE subcommand processor
INITIALIZED BY: CTRACE subcommand processor
Pointed to by: Passed as a parameter
Serialization: None
Function: Provide information to the exits called by the Component Trace IPCS CTRACE subcommand.

CTXI Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXI	, Component Trace Exit Interface Block
0	(0)	CHARACTER	5	CTXIID (0)	CTXI identifier and level
0	(0)	CHARACTER	4	CTXIIDC	CTXI identifier constant
4	(4)	CHARACTER	1	CTXILVL	CTXI level
5	(5)	BITSTRING	1	CTXIFLGS	Processing flags
		1...		CTXIDONE	"BIT0" All entries have been processed. The user exit has this opportunity to complete report generation, tabulate results and free storage.
		.1..		CTXICMPL	"BIT1" The buffer described is complete (copied), and is not wrapped
		..1.		CTXIIGSY	"BIT2" Ignore existing buffer definition symbols, component dependent options determine
6	(6)	BITSTRING	2		Reserved
8	(8)	ADDRESS	4	CTXIUSWA	Address of a 4K user work area. Zeroed and reused by FIND and FILTER functions
12	(C)	ADDRESS	4	CTXIUSER	A field that may be used to anchor storage GETMAINED by an exit program.
16	(10)	SIGNED	4	CTXIUSRL	Length of storage got by exit
20	(14)	CHARACTER	8	CTXICOMP	The name of the component which produced the CTE
28	(1C)	ADDRESS	4	CTXICNTL	The address of the component trace control area. See ITTCNTL for details.
32	(20)	ADDRESS	4	CTXIOPT	The address of a buffer containing the OPTIONS specified on the CTRACE command. These are component specific options. The mapping for this buffer is equivalent to the "options list header" in the CTSS. See the CTSSOPTL DSECT in the ITTCTSS macro for the mapping.
36	(24)	ADDRESS	4	CTXIESR	The address of an Equate Symbol Record to be filled in by the component exit. This describes a buffer containing trace entries to be processed.
40	(28)	ADDRESS	4	CTXICTE	The address of an Component Trace Entry (CTE) currently being formatted
44	(2C)	ADDRESS	4	CTXIFMP	The address of an initialized format parameter
48	(30)	SIGNED	4	CTXITNX	Index into format table
52	(34)	ADDRESS	4	CTXISNP	-> ITTSTAB structure
56	(38)	BITSTRING	16	CTXIUSRD	User data from CTRACE DEFINE or CTSSUSRD
72	(48)	ADDRESS	4	CTXIFMTB	Address of sorted format table
76	(4C)	BITSTRING	4		Reserved

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
80	(50)	SIGNED	4	CTXIEND (0)	End of CTXI

CTXI Cross Reference

Name	Hex Offset	Hex Value
CTXI	0	
CTXICMPL	5	40
CTXICNTL	1C	
CTXICOMP	14	40404040
CTXICTE	28	
CTXIDONE	5	80
CTXIEND	50	
CTXIESR	24	
CTXIFLGS	5	0
CTXIFMP	2C	
CTXIFMTB	48	
CTXIID	0	
CTXIIDC	0	C3E3E7C9
CTXIIGSY	5	20
CTXILVL	4	F1
CTXIOPT	20	
CTXISNP	34	
CTXITNX	30	0
CTXIUSER	C	
CTXIUSRD	38	0
CTXIUSRL	10	0
CTXIUSWA	8	

CTXT Programming Interface information

Programming Interface information

CTXT

End of Programming Interface information

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CTXT Heading Information

Common Name: COMMUNICATIONS TASK INSTALLATION EXIT ROUTINE PARAMETER LIST
Macro ID: IEZVX100
DSECT Name: CTXT (Exit parameter list), CTXTATTR (Message Attributes), CTXTROUT (Routing Codes), CTXTDESC (Descriptor Codes), CTXTFBCN (4-Byte console id), CTXTPRFL (Request Flags), CTXTCNME (Console Name), CTXTCDAM (12-Byte Common Data Area)
Owning Component: CONSOLES (SC1CK)
Eye-Catcher ID: CTXT
Offset: 0
Length: 4 BYTES
Storage Attributes: Virtual Storage: NO
Auxiliary Storage: NO
Subpool: 229
Key: 0
Data Space: NO
Residency: BELOW 16M
Size: 152 BYTES
Created by: CNZS1MPF - WTO MPF ROUTINE
POINTED TO BY - REGISTER 1
Pointed to by: REGISTER 1
Serialization: NONE
Function: PROVIDES THE INTERFACE BETWEEN CNZS1MPF AND
THE WTO INSTALLATION EXITS.

CTXT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXT	COMM TASK EXIT PARAMETER LIST
0	(0)	CHARACTER	4	CTXTACRN	ACRONYM 'CTXT'
4	(4)	BITSTRING	1	CTXTVRSN	VERSION LEVEL
4	(4)	X'1'	0	CTXTS212	"1" LEVEL OF OS/VS2 JBB2125
4	(4)	X'2'	0	CTXTS220	"2" LEVEL OF OS/VS2 JBB2220
4	(4)	X'3'	0	CTXTS410	"3" MVS/ESA HBB4410
4	(4)	X'4'	0	CTXTS422	"4" MVS/ESA JBB4422
4	(4)	X'9'	0	CTXTS720	"9" Z/OS HBB7720 LEVEL
4	(4)	X'9'	0	CTXTVERN	"CTXTS720" CURRENT VERSION LEVEL
4	(4)	X'0'	0	CTXTMCS	"0" MCS CONSOLE CLASS
5	(5)	CHARACTER	3	CTXTRSV1	RESERVED
8	(8)	ADDRESS	4	CTXTTXPJ	POINTER TO TEXT OF MAJOR
12	(C)	ADDRESS	4	CTXTTXPN	POINTER TO TEXT OF MINOR
16	(10)	SIGNED	4	CTXTSEQN	WTO SEQUENCE NUMBER
20	(14)	CHARACTER	1	CTXTRSV2	RESERVED
21	(15)	SIGNED	3	CTXTMLID	MULTI-LINE WTO ID
24	(18)	SIGNED	2	CTXTRPID	REPLY ID
26	(1A)	BITSTRING	2	CTXTMTYP (0)	MESSAGE TYPE FLAGS
26	(1A)	BITSTRING	1	CTXTMTY1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		CTXTMTYA	"X'80'" MONITOR JOBNAMES
		.1..		CTXTMTYB	"X'40'" MONITOR STATUS

Comment

EQU X'20' RESERVED
EQU X'10' RESERVED
EQU X'08' RESERVED

End of Comment

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... .1..		CTXTMTYF	"X'04'" MONITOR SESS
		Comment			
		EQU X'02' RESERVED EQU X'01' RESERVED			
		End of Comment			
27	(1B)	BITSTRING	1	CTXTMTY2	SECOND BYTE OF MESSAGE TYPE FLAGS
28	(1C)	SIGNED	2	CTXTRCLN	LENGTH OF ROUTING CODES
30	(1E)	SIGNED	2	CTXTDCLN	LENGTH OF DESCRIPTOR CODES
32	(20)	ADDRESS	4	CTXTRCP	POINTER TO ROUTING CODES
36	(24)	ADDRESS	4	CTXTDCP	POINTER TO DESCRIPTOR CODES
40	(28)	ADDRESS	4	CTXT1BCP	RESERVED - WAS CTXTCIDP
44	(2C)	SIGNED	2	CTXTSFLG (0)	STATUS FLAGS (INPUT TO THE INSTALLATION EXIT)
44	(2C)	BITSTRING	1	CTXTSFB1	STATUS FLAGS BYTE ONE
		1...		CTXTSQPC	"X'80'" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.1..		CTXTSQUN	"X'40'" QUEUE TO A PARTICULAR CONSOLE
		..1.		CTXTSSUP	"X'20'" SUPPRESSED BY MPF
		...1		CTXTSFHC	"X'10'" HARDCOPY
		.... 1...		CTXTSNHC	"X'08'" NO HARDCOPY
		.... .1..		CTXTSHCO	"X'04'" HARDCOPY ONLY
		.... ..1.		CTXTSRSP	"X'02'" COMMAND RESPONSE
		1		CTXTSBCA	"X'01'" BROADCAST TO ACTIVE CONSOLES
45	(2D)	BITSTRING	1	CTXTSFB2	STATUS FLAGS BYTE TWO
		1...		CTXTSRET	"X'80'" MSG TO BE RETAINED BY AMRF
		.1..		CTXTSAUT	"X'40'" AUTOMATION SPECIFIED
		..1.		CTXTSNMD	"X'20'" PRIMARY SUBSYSTEM MODIFICATIONS NOT ALLOWED
		...1		CTXTSRIS	"X'10'" REISSUED MESSAGE
		Comment			
		EQU X'0F' RESERVED			
		End of Comment			
46	(2E)	BITSTRING	1	CTXTBNPF	BRANCH-ENTRY/NIP FLAGS
		1...		CTXTDOMD	"X'80'" MESSAGE HAS BEEN DOM'D
		.1..		CTXTNBEW	"X'40'" BRANCH-ENTRY OR NIP MESSAGE
		..1.		CTXTHABD	"X'20'" HAS ALREADY BEEN DISPLAYED
47	(2F)	BITSTRING	1	CTXTSFB4	REQUEST TO EXIT
		.1..		CTXTCIDA	"X'40'" THIS IS THE TERMINATION CALL AND CLEANUP THE INDIVIDUAL DATA AREA
48	(30)	SIGNED	4	CTXTRFLG (0)	REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
48	(30)	CHARACTER	3	CTXTRF3B (0)	REQUEST FLAGS THREE BYTES
48	(30)	BITSTRING	1	CTXTRFB1	REQUEST FLAGS BYTE ONE
		1...		CTXTRCMT	"X'80'" CHANGE THE MESSAGE TEXT
		.1..		CTXTRCRC	"X'40'" CHANGE THE ROUTING CODE(S)
		..1.		CTXTRCDC	"X'20'" CHANGE THE DESCRIPTOR CODE(S)
		...1		CTXTRQPC	"X'10'" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1...		CTXTRQUN	"X'08'" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		CTXTRQRC	"X'04'" QUEUE BY ROUTING CODES ONLY
		.... ..1.		CTXTRC1B	"X'02'" RESERVED AND HELD FOR DOWNLEVEL USE (WAS CTXTRCCN)
		1		CTXTRPML	"X'01'" PROCESS MINOR LINES
49	(31)	BITSTRING	1	CTXTRFB2	REQUEST FLAGS BYTE TWO
		1...		CTXTRDTM	"X'80'" DELETE THE MESSAGE (NO HARDCOPY AND NO DISPLAY)
		.1..		CTXTROMS	"X'40'" OVERRIDE MPF SUPPRESSION IF BEING SUPPRESSED BY MPF
		..1.		CTXTRFHC	"X'20'" FORCE HARDCOPY
		...1		CTXTRNHC	"X'10'" FORCE NO HARDCOPY
		.... 1...		CTXTRHCO	"X'08'" FORCE HARDCOPY ONLY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		CTXTRBCA	"X'04'" BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
		.... ..1.		CTXTRBCN	"X'02'" DO NOT BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
		1		CTXTRNRT	"X'01'" AMRF IS NOT TO RETAIN THIS MSG
50	(32)	BITSTRING	1	CTXTRFB3	REQUEST FLAGS BYTE THREE
		1...		CTXTRRET	"X'80'" AMRF IS TO RETAIN THIS MSG
		.1..		CTXTRCKY	"X'40'" CHANGE THE RETRIEVAL KEY
		..1.		CTXTRCFC	"X'20'" CHANGE THE 4-BYTE CONSOLE ID
		...1		CTXTRCMF	"X'10'" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		CTXTRANO	"X'08'" AUTOMATION IS NOT REQUIRED AND ZERO TOKEN VALUE
		.... .1..		CTXTRAYS	"X'04'" AUTOMATION IS REQUIRED AND UPDATE TOKEN VALUE
		.... ..1.		CTXTRCNM	"X'02'" CHANGE THE CONSOLE NAME. NOTE THAT THIS FLAG DOES NOT GET PROPAGATED TO THE WQE, MDB, OR HARDCOPY LOG.
		1		CTXTRV99	"X'01'" RESERVED
51	(33)	BITSTRING	1		RESERVED FOR COMM TASK USE
52	(34)	ADDRESS	4	CTXTFCNP	POINTER TO 4-BYTE CONSOLE ID
56	(38)	ADDRESS	4	CTXTPREQ	POINTER TO REQUEST FLAGS, REFLECTING CHANGES DONE TO THIS MESSAGE PREVIOUSLY
60	(3C)	ADDRESS	4	CTXTTOKN	TOKEN VALUE
64	(40)	CHARACTER	8	CTXTKEY	RETRIEVAL KEY
72	(48)	CHARACTER	8	CTXTJBNM	NAME OF JOB THAT ISSUED MESSAGE
80	(50)	CHARACTER	8	CTXTCART	CART
88	(58)	CHARACTER	8	CTXTSYSN	NAME OF SYSTEM ON WHICH WTO ORIGINATED
96	(60)	CHARACTER	8	CTXTAUTT	AUTOMATION TOKEN VALUE
104	(68)	CHARACTER	4	CTXTRSV4	RESERVED
108	(6C)	SIGNED	4	CTXTERFS (0)	EXTENDED REQUEST FLAGS (FROM THE INSTALLATION EXIT TO THE SYSTEM)
108	(6C)	BITSTRING	1	CTXTERF1	REQUEST FLAGS BYTE ONE
		1...		CTXTEMRY	"X'80'" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1..		CTXTEMRN	"X'40'" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		..1.		CTXTEMCO	"X'20'" REQUEST TO CHANGE MESSAGE COLOR
		...1		CTXTEMHI	"X'10'" REQUEST TO CHANGE MESSAGE HIGHLIGHTING
		.... 1...		CTXTEMIN	"X'08'" REQUEST TO CHANGE MESSAGE INTENSITY
109	(6D)	BITSTRING	1	CTXTERF2	REQUEST FLAGS BYTE TWO
110	(6E)	BITSTRING	1	CTXTERF3	REQUEST FLAGS BYTE THREE
		1...		CTXTESJL	"X'80'" SUPPRESS MESSAGE FROM THE JOBLOG
		.1..		CTXTNWTP	"X'40'" DO NOT DO WTP PROCESSING (NO SYSMSG OR TPUT)
111	(6F)	BITSTRING	1	CTXTERF4	REQUEST FLAGS BYTE FOUR
112	(70)	ADDRESS	4	CTXTCNMP	POINTER TO CONSOLE NAME
116	(74)	ADDRESS	4	CTXTCWKP	POINTER TO 12-BYTE COMMON DATA AREA FOR ALL EXITS
120	(78)	ADDRESS	4	CTXTIWKP	POINTER TO 8-BYTE DATA AREA FOR AN INDIVIDUAL EXIT
124	(7C)	BITSTRING	1	CTXTCOLR	REQUEST FLAG TO CHANGE MESSAGE COLOR
		1...		CTXTBLUE	"X'80'" REQUEST COLOR BLUE
		.1..		CTXTRED	"X'40'" REQUEST COLOR RED
		..1.		CTXTPINK	"X'20'" REQUEST COLOR PINK
		...1		CTXTGREE	"X'10'" REQUEST COLOR GREEN
		.... 1...		CTXTTURQ	"X'08'" REQUEST COLOR TURQUOISE
		.... .1..		CTXTYELO	"X'04'" REQUEST COLOR YELLOW
		.... ..1.		CTXTWHIT	"X'02'" REQUEST COLOR WHITE
125	(7D)	BITSTRING	1	CTXTHILI	REQUEST FLAG TO CHANGE MESSAGE HIGHLIGHTING
		1...		CTXTNOHI	"X'80'" REQUEST NO HIGHLIGHTING
		.1..		CTXTBLNK	"X'40'" REQUEST BLINKING HIGHLIGHT
		..1.		CTXTREVD	"X'20'" REQUEST REVERSE VIDEO HIGHLIGHT
		...1		CTXTUNDR	"X'10'" REQUEST UNDERLINE HIGHLIGHT
126	(7E)	BITSTRING	1	CTXTINTN	REQUEST FLAG TO CHANGE MESSAGE INTENSITY
		1...		CTXTINOR	"X'80'" REQUEST NORMAL INTENSITY
		.1..		CTXTIHIG	"X'40'" REQUEST HIGH INTENSITY
127	(7F)	CHARACTER	1	CTXTRSV5	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
128	(80)	SIGNED	4	CTXTRPYB	BINARY REPLY ID
132	(84)	SIGNED	2	CTXTRPYL	LENGTH OF EBCDIC REPLY ID
134	(86)	CHARACTER	8	CTXTRPYI	EBCDIC REPLY ID
142	(8E)	CHARACTER	2	CTXTASID	ASID OF USER
144	(90)	CHARACTER	8	CTXTOJBID	ORIGINATING JOB ID

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTATTR	COMM TASK EXIT MESSAGE ATTRIBUTES
0	(0)	SIGNED	2	CTXTTLEN	TEXT LENGTH
2	(2)	SIGNED	2	CTXTTLMX	MAXIMUM LENGTH OF TEXT
4	(4)	CHARACTER	2	CTXTTFLG (0)	MESSAGE TYPE FLAGS
4	(4)	BITSTRING	1	CTXTTFB1	TYPE FLAGS BYTE ONE
		1...		CTXTTFSL	"X'80'" A SINGLE LINE MESSAGE
		.1..		CTXTTFWR	"X'40'" A WTOR
		..1.		CTXTTFMJ	"X'20'" A MULTI-LINE MESSAGE
		...1		CTXTTFMC	"X'10'" A CONTROL LINE
		.... 1...		CTXTTFML	"X'08'" A LABEL LINE
		.... .1..		CTXTTFMD	"X'04'" A DATA LINE
		.... ..1.		CTXTTFME	"X'02'" AN END LINE
Comment					
EQU X'01' RESERVED					
End of Comment					
5	(5)	BITSTRING	1	CTXTTFB2	RESERVED
6	(6)	CHARACTER	126	CTXTTMSG	TEXT OF MESSAGE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTROUT	ROUTING CODES
0	(0)	BITSTRING	1	CTXTR001	FIRST BYTE OF ROUTING CODES
		1...		CTXTR01	"X'80'" PRIMARY CONSOLE ACTION
		.1..		CTXTR02	"X'40'" PRIMARY CONSOLE INFORMATION
		..1.		CTXTR03	"X'20'" TAPE POOL
		...1		CTXTR04	"X'10'" DIRECT ACCESS POOL
		.... 1...		CTXTR05	"X'08'" TAPE LIBRARY
		.... .1..		CTXTR06	"X'04'" DISK LIBRARY
		.... ..1.		CTXTR07	"X'02'" UNIT RECORD POOL
		1		CTXTR08	"X'01'" TELEPROCESSING CONTROL
1	(1)	BITSTRING	1	CTXTR002	SECOND BYTE OF ROUTING CODES
		1...		CTXTR09	"X'80'" SYSTEM SECURITY
		.1..		CTXTR10	"X'40'" SYSTEM/ERROR MAINTENANCE
		..1.		CTXTR11	"X'20'" PROGRAMMER INFORMATION
		...1		CTXTR12	"X'10'" EMULATOR INFORMATION
		.... 1...		CTXTR13	"X'08'" USER ROUTING CODE
		.... .1..		CTXTR14	"X'04'" USER ROUTING CODE
		.... ..1.		CTXTR15	"X'02'" USER ROUTING CODE
		1		CTXTR16	"X'01'" USER ROUTING CODE
2	(2)	BITSTRING	1	CTXTR003	THIRD BYTE OF ROUTING CODES
		1...		CTXTR17	"X'80'" USER ROUTING CODE
		.1..		CTXTR18	"X'40'" USER ROUTING CODE
		..1.		CTXTR19	"X'20'" USER ROUTING CODE
		...1		CTXTR20	"X'10'" USER ROUTING CODE
		.... 1...		CTXTR21	"X'08'" RESERVED FOR JES USAGE
		.... .1..		CTXTR22	"X'04'" RESERVED FOR JES USAGE
		.... ..1.		CTXTR23	"X'02'" RESERVED FOR JES USAGE
		1		CTXTR24	"X'01'" RESERVED FOR JES USAGE
3	(3)	BITSTRING	1	CTXTR004	FOURTH BYTE OF ROUTING CODES
		1...		CTXTR25	"X'80'" RESERVED FOR JES USAGE

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		CTXTR26	"X'40'" RESERVED FOR JES USAGE
		..1.		CTXTR27	"X'20'" RESERVED FOR JES USAGE
		...1		CTXTR28	"X'10'" RESERVED FOR JES USAGE
		.... 1...		CTXTR29	"X'08'" DISASTER RECOVERY
		.... .1..		CTXTR30	"X'04'" RESERVED
		.... ..1.		CTXTR31	"X'02'" RESERVED
		1		CTXTR32	"X'01'" RESERVED
4	(4)	BITSTRING	1	CTXTR005	FIFTH BYTE OF ROUTING CODES
		1...		CTXTR33	"X'80'" RESERVED
		.1..		CTXTR34	"X'40'" RESERVED
		..1.		CTXTR35	"X'20'" RESERVED
		...1		CTXTR36	"X'10'" RESERVED
		.... 1...		CTXTR37	"X'08'" RESERVED
		.... .1..		CTXTR38	"X'04'" RESERVED
		.... ..1.		CTXTR39	"X'02'" RESERVED
		1		CTXTR40	"X'01'" RESERVED
5	(5)	BITSTRING	1	CTXTR006	SIXTH BYTE OF ROUTING CODES
		1...		CTXTR41	"X'80'" JOB STATUS MESSAGE
		.1..		CTXTR42	"X'40'" GENERAL INFO ABOUT JES2 OR JES3
		..1.		CTXTR43	"X'20'" RESERVED FOR JES USAGE
		...1		CTXTR44	"X'10'" RESERVED FOR JES USAGE
		.... 1...		CTXTR45	"X'08'" RESERVED FOR JES USAGE
		.... .1..		CTXTR46	"X'04'" RESERVED FOR JES USAGE
		.... ..1.		CTXTR47	"X'02'" RESERVED FOR JES USAGE
		1		CTXTR48	"X'01'" RESERVED FOR JES USAGE
6	(6)	BITSTRING	1	CTXTR007	SEVENTH BYTE OF ROUTING CODES
		1...		CTXTR49	"X'80'" RESERVED FOR JES USAGE
		.1..		CTXTR50	"X'40'" RESERVED FOR JES USAGE
		..1.		CTXTR51	"X'20'" RESERVED FOR JES USAGE
		...1		CTXTR52	"X'10'" RESERVED FOR JES USAGE
		.... 1...		CTXTR53	"X'08'" RESERVED FOR JES USAGE
		.... .1..		CTXTR54	"X'04'" RESERVED FOR JES USAGE
		.... ..1.		CTXTR55	"X'02'" RESERVED FOR JES USAGE
		1		CTXTR56	"X'01'" RESERVED FOR JES USAGE
7	(7)	BITSTRING	1	CTXTR008	EIGHTH BYTE OF ROUTING CODES
		1...		CTXTR57	"X'80'" RESERVED FOR JES USAGE
		.1..		CTXTR58	"X'40'" RESERVED FOR JES USAGE
		..1.		CTXTR59	"X'20'" RESERVED FOR JES USAGE
		...1		CTXTR60	"X'10'" RESERVED FOR JES USAGE
		.... 1...		CTXTR61	"X'08'" RESERVED FOR JES USAGE
		.... .1..		CTXTR62	"X'04'" RESERVED FOR JES USAGE
		.... ..1.		CTXTR63	"X'02'" RESERVED FOR JES USAGE
		1		CTXTR64	"X'01'" RESERVED FOR JES USAGE
8	(8)	BITSTRING	1	CTXTR009	NINTH BYTE OF ROUTING CODES
		1...		CTXTR65	"X'80'" PROCESSOR RELATED MESSAGE
		.1..		CTXTR66	"X'40'" PROCESSOR RELATED MESSAGE
		..1.		CTXTR67	"X'20'" PROCESSOR RELATED MESSAGE
		...1		CTXTR68	"X'10'" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR69	"X'08'" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR70	"X'04'" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR71	"X'02'" PROCESSOR RELATED MESSAGE
		1		CTXTR72	"X'01'" PROCESSOR RELATED MESSAGE
9	(9)	BITSTRING	1	CTXTR010	TENTH BYTE OF ROUTING CODES
		1...		CTXTR73	"X'80'" PROCESSOR RELATED MESSAGE
		.1..		CTXTR74	"X'40'" PROCESSOR RELATED MESSAGE
		..1.		CTXTR75	"X'20'" PROCESSOR RELATED MESSAGE
		...1		CTXTR76	"X'10'" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR77	"X'08'" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR78	"X'04'" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR79	"X'02'" PROCESSOR RELATED MESSAGE
		1		CTXTR80	"X'01'" PROCESSOR RELATED MESSAGE
10	(A)	BITSTRING	1	CTXTR011	ELEVENTH BYTE OF ROUTING CODES
		1...		CTXTR81	"X'80'" PROCESSOR RELATED MESSAGE
		.1..		CTXTR82	"X'40'" PROCESSOR RELATED MESSAGE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		CTXTR83	"X'20'" PROCESSOR RELATED MESSAGE
		...1		CTXTR84	"X'10'" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR85	"X'08'" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR86	"X'04'" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR87	"X'02'" PROCESSOR RELATED MESSAGE
		1		CTXTR88	"X'01'" PROCESSOR RELATED MESSAGE
11	(B)	BITSTRING	1	CTXTR012	TWELFTH BYTE OF ROUTING CODES
		1...		CTXTR89	"X'80'" PROCESSOR RELATED MESSAGE
		.1..		CTXTR90	"X'40'" PROCESSOR RELATED MESSAGE
		..1.		CTXTR91	"X'20'" PROCESSOR RELATED MESSAGE
		...1		CTXTR92	"X'10'" PROCESSOR RELATED MESSAGE
		.... 1...		CTXTR93	"X'08'" PROCESSOR RELATED MESSAGE
		.... .1..		CTXTR94	"X'04'" PROCESSOR RELATED MESSAGE
		.... ..1.		CTXTR95	"X'02'" PROCESSOR RELATED MESSAGE
		1		CTXTR96	"X'01'" PROCESSOR RELATED MESSAGE
12	(C)	BITSTRING	1	CTXTR013	THIRTEENTH BYTE OF ROUTING CODES
		1...		CTXTR97	"X'80'" DEVICE RELATED MESSAGE
		.1..		CTXTR98	"X'40'" DEVICE RELATED MESSAGE
		..1.		CTXTR99	"X'20'" DEVICE RELATED MESSAGE
		...1		CTXTR100	"X'10'" DEVICE RELATED MESSAGE
		.... 1...		CTXTR101	"X'08'" DEVICE RELATED MESSAGE
		.... .1..		CTXTR102	"X'04'" DEVICE RELATED MESSAGE
		.... ..1.		CTXTR103	"X'02'" DEVICE RELATED MESSAGE
		1		CTXTR104	"X'01'" DEVICE RELATED MESSAGE
13	(D)	BITSTRING	1	CTXTR014	FOURTEENTH BYTE OF ROUTING CODES
		1...		CTXTR105	"X'80'" DEVICE RELATED MESSAGE
		.1..		CTXTR106	"X'40'" DEVICE RELATED MESSAGE
		..1.		CTXTR107	"X'20'" DEVICE RELATED MESSAGE
		...1		CTXTR108	"X'10'" DEVICE RELATED MESSAGE
		.... 1...		CTXTR109	"X'08'" DEVICE RELATED MESSAGE
		.... .1..		CTXTR110	"X'04'" DEVICE RELATED MESSAGE
		.... ..1.		CTXTR111	"X'02'" DEVICE RELATED MESSAGE
		1		CTXTR112	"X'01'" DEVICE RELATED MESSAGE
14	(E)	BITSTRING	1	CTXTR015	FIFTEENTH BYTE OF ROUTING CODES
		1...		CTXTR113	"X'80'" DEVICE RELATED MESSAGE
		.1..		CTXTR114	"X'40'" DEVICE RELATED MESSAGE
		..1.		CTXTR115	"X'20'" DEVICE RELATED MESSAGE
		...1		CTXTR116	"X'10'" DEVICE RELATED MESSAGE
		.... 1...		CTXTR117	"X'08'" DEVICE RELATED MESSAGE
		.... .1..		CTXTR118	"X'04'" DEVICE RELATED MESSAGE
		.... ..1.		CTXTR119	"X'02'" DEVICE RELATED MESSAGE
		1		CTXTR120	"X'01'" DEVICE RELATED MESSAGE
15	(F)	BITSTRING	1	CTXTR016	SIXTEENTH BYTE OF ROUTING CODES
		1...		CTXTR121	"X'80'" DEVICE RELATED MESSAGE
		.1..		CTXTR122	"X'40'" DEVICE RELATED MESSAGE
		..1.		CTXTR123	"X'20'" DEVICE RELATED MESSAGE
		...1		CTXTR124	"X'10'" DEVICE RELATED MESSAGE
		.... 1...		CTXTR125	"X'08'" DEVICE RELATED MESSAGE
		.... .1..		CTXTR126	"X'04'" DEVICE RELATED MESSAGE
		.... ..1.		CTXTR127	"X'02'" DEVICE RELATED MESSAGE
		1		CTXTR128	"X'01'" DEVICE RELATED MESSAGE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTDESC	DESCRIPTOR CODES
0	(0)	BITSTRING	1	CTXTDC1	FIRST GROUP OF DESCRIPTOR CODES
		1...		CTXTDC01	"X'80'" CODE 1
		.1..		CTXTDC02	"X'40'" CODE 2
		..1.		CTXTDC03	"X'20'" CODE 3
		...1		CTXTDC04	"X'10'" CODE 4
		.... 1...		CTXTDC05	"X'08'" CODE 5
		.... .1..		CTXTDC06	"X'04'" CODE 6

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		.... ..1.		CTXTDC07	"X'02'" CODE 7
		1		CTXTDC08	"X'01'" CODE 8
1	(1)	BITSTRING	1	CTXTDC2	SECOND GROUP OF DESCRIPTOR CODES
		1...		CTXTDC09	"X'80'" CODE 9
		.1..		CTXTDC10	"X'40'" CODE 10
		..1.		CTXTDC11	"X'20'" CODE 11
		...1		CTXTDC12	"X'10'" CODE 12
		.... 1...		CTXTDC13	"X'08'" CODE 13

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTFBCN	4-BYTE CONSOLE ID
0	(0)	BITSTRING	1	CTXTFBCL	CONSOLE CLASS
1	(1)	BITSTRING	3	CTXT_FBNAME	CONSOLE NUMBER

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTPRFL	REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
0	(0)	CHARACTER	3	CTXTPF3B (0)	REQUEST FLAGS THREE BYTES
0	(0)	BITSTRING	1	CTXTPFB1	REQUEST FLAGS BYTE ONE
		1...		CTXTPCMT	"X'80'" CHANGE THE MESSAGE TEXT
		.1..		CTXTPCRC	"X'40'" CHANGE THE ROUTING CODE(S)
		..1.		CTXTPCDC	"X'20'" CHANGE THE DESCRIPTOR CODE(S)
		...1		CTXTPQPC	"X'10'" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1...		CTXTPQUN	"X'08'" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		CTXTPQRC	"X'04'" QUEUE BY ROUTING CODES ONLY
		.... ..1.		CTXTRSV7	"X'02'" RESERVED (WAS CTXTPCCN)
		1		CTXTPPML	"X'01'" PROCESS MINOR LINES
1	(1)	BITSTRING	1	CTXTPFB2	REQUEST FLAGS BYTE TWO
		1...		CTXTPDTM	"X'80'" DELETE THE MESSAGE (NO HARDCOPY AND NO DISPLAY)
		.1..		CTXTPOMS	"X'40'" OVERRIDE MPF SUPPRESSION IF BEING SUPPRESSED BY MPF
		..1.		CTXTPFHC	"X'20'" FORCE HARDCOPY
		...1		CTXTPNHC	"X'10'" FORCE NO HARDCOPY
		.... 1...		CTXTPHCO	"X'08'" FORCE HARDCOPY ONLY
		.... .1..		CTXTPBCA	"X'04'" BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
		.... ..1.		CTXTPBCN	"X'02'" DO NOT BROADCAST MESSAGE TO ALL ACTIVE CONSOLES
		1		CTXTPNRT	"X'01'" AMRF IS NOT TO RETAIN THIS MSG
2	(2)	BITSTRING	1	CTXTPFB3	REQUEST FLAGS BYTE THREE
		1...		CTXTPRET	"X'80'" AMRF IS TO RETAIN THIS MSG
		.1..		CTXTPCKY	"X'40'" CHANGE THE RETRIEVAL KEY
		..1.		CTXTPCFC	"X'20'" CHANGE THE 4-BYTE CONSOLE ID
		...1		CTXTPCMF	"X'10'" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		CTXTPANO	"X'08'" AUTOMATION IS NOT REQUIRED AND ZERO TOKEN VALUE
		.... .1..		CTXTPAYS	"X'04'" AUTOMATION IS REQUIRED AND UPDATE TOKEN VALUE
3	(3)	BITSTRING	1		RESERVED FOR COMM TASK USE
4	(4)	SIGNED	4	CTXTPRFS (0)	EXTENDED REQUEST FLAGS (FROM THE INSTALLATION EXIT TO THE SYSTEM)
4	(4)	BITSTRING	1	CTXTPRF1	REQUEST FLAGS BYTE ONE
		1...		CTXTPMRY	"X'80'" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1..		CTXTPMRN	"X'40'" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
5	(5)	BITSTRING	1	CTXTPRF2	REQUEST FLAGS BYTE TWO
6	(6)	BITSTRING	1	CTXTPRF3	REQUEST FLAGS BYTE THREE
		1...		CTXTPSJL	"X'80'" SUPPRESS FROM JOBLOG
		.1..		CTXTPWTP	"X'40'" NO WTP PROCESSING

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
7	(7)	BITSTRING	1	CTXTPRF4	REQUEST FLAGS BYTE FOUR

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTCNME	
0	(0)	CHARACTER	8		CONSOLE NAME

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CTXTCDAM	12-BYTE COMMON DATA MAPPING
0	(0)	CHARACTER	4		4 BYTES USER DATA AREA
4	(4)	CHARACTER	8	CTXTCUDA	8 BYTES USER DATA AREA

CTXT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CTXT	0		CTXTERF2	6D	
CTXT_FBNAME	1		CTXTERF3	6E	
CTXTACRN	0		CTXTERF4	6F	
CTXTASID	8E		CTXTESJL	6E	80
CTXTATTR	0		CTXTFBCL	0	
CTXTAUTT	60		CTXTFBCN	0	
CTXTBLNK	7D	40	CTXTFCNP	34	
CTXTBLUE	7C	80	CTXTGREE	7C	10
CTXTBNPF	2E		CTXTHABD	2E	20
CTXTCART	50		CTXTHILI	7D	
CTXTCDAM	0		CTXTIHIG	7E	40
CTXTCIDA	2F	40	CTXTINOR	7E	80
CTXTCNME	0		CTXTINTN	7E	
CTXTCNMP	70		CTXTIWKP	78	
CTXTCOLR	7C		CTXTJBNM	48	
CTXTCUDA	4		CTXTKEY	40	
CTXTCWKP	74		CTXTMCS	4	0
CTXTDCLN	1E		CTXTMLID	15	
CTXTDCP	24		CTXTMTYA	1A	80
CTXTDC01	0	80	CTXTMTYB	1A	40
CTXTDC02	0	40	CTXTMTYF	1A	4
CTXTDC03	0	20	CTXTMTYP	1A	
CTXTDC04	0	10	CTXTMTY1	1A	
CTXTDC05	0	8	CTXTMTY2	1B	
CTXTDC06	0	4	CTXTNBEW	2E	40
CTXTDC07	0	2	CTXTNOHI	7D	80
CTXTDC08	0	1	CTXTNWTP	6E	40
CTXTDC09	1	80	CTXTOJBID	90	
CTXTDC1	0		CTXTPANO	2	8
CTXTDC10	1	40	CTXTPAYS	2	4
CTXTDC11	1	20	CTXTPBCA	1	4
CTXTDC12	1	10	CTXTPBCN	1	2
CTXTDC13	1	8	CTXTPCDC	0	20
CTXTDC2	1		CTXTPCFC	2	20
CTXTDESC	0		CTXTPCKY	2	40
CTXTDOMD	2E	80	CTXTPCMF	2	10
CTXTEMCO	6C	20	CTXTPCMT	0	80
CTXTEMHI	6C	10	CTXTPCRC	0	40
CTXTEMIN	6C	8	CTXTPDTM	1	80
CTXTEMRN	6C	40	CTXTPFB1	0	
CTXTEMRY	6C	80	CTXTPFB2	1	
CTXTERFS	6C		CTXTPFB3	2	
CTXTERF1	6C		CTXTPFHC	1	20

Name	Hex Offset	Hex Value
CTXTPF3B	0	
CTXTPHCO	1	8
CTXTPINK	7C	20
CTXTPMRN	4	40
CTXTPMRY	4	80
CTXTPNHC	1	10
CTXTPNRT	1	1
CTXTPOMS	1	40
CTXTPPML	0	1
CTXTPQPC	0	10
CTXTPQRC	0	4
CTXTPQUN	0	8
CTXTPREQ	38	
CTXTPRET	2	80
CTXTPRFL	0	
CTXTPRFS	4	
CTXTPRF1	4	
CTXTPRF2	5	
CTXTPRF3	6	
CTXTPRF4	7	
CTXTPSJL	6	80
CTXTPWTP	6	40
CTXTRANO	32	8
CTXTRAYS	32	4
CTXTRBCA	31	4
CTXTRBCN	31	2
CTXTRCDC	30	20
CTXTRCFC	32	20
CTXTRCKY	32	40
CTXTRCLN	1C	
CTXTRCMF	32	10
CTXTRCMT	30	80
CTXTRCNM	32	2
CTXTRCP	20	
CTXTRCRC	30	40
CTXTRC1B	30	2
CTXTRDTM	31	80
CTXTRED	7C	40
CTXTREVD	7D	20
CTXTRFB1	30	
CTXTRFB2	31	
CTXTRFB3	32	
CTXTRFHC	31	20
CTXTRFLG	30	
CTXTRF3B	30	
CTXTRHCO	31	8
CTXTRNHC	31	10
CTXTRNRT	31	1
CTXTROMS	31	40
CTXTROUT	0	
CTXTRPID	18	
CTXTRPML	30	1
CTXTRPYB	80	
CTXTRPYI	86	
CTXTRPYL	84	
CTXTRQPC	30	10
CTXTRQRC	30	4
CTXTRQUN	30	8
CTXTRRET	32	80
CTXTRSV1	5	
CTXTRSV2	14	
CTXTRSV4	68	
CTXTRSV5	7F	
CTXTRSV7	0	2
CTXTRV99	32	1
CTXTR001	0	
CTXTR002	1	
CTXTR003	2	
CTXTR004	3	
CTXTR005	4	
CTXTR006	5	
CTXTR007	6	
CTXTR008	7	
CTXTR009	8	
CTXTR01	0	80
CTXTR010	9	
CTXTR011	A	
CTXTR012	B	
CTXTR013	C	
CTXTR014	D	
CTXTR015	E	
CTXTR016	F	
CTXTR02	0	40
CTXTR03	0	20
CTXTR04	0	10
CTXTR05	0	8
CTXTR06	0	4
CTXTR07	0	2
CTXTR08	0	1
CTXTR09	1	80
CTXTR10	1	40
CTXTR100	C	10
CTXTR101	C	8
CTXTR102	C	4
CTXTR103	C	2
CTXTR104	C	1
CTXTR105	D	80
CTXTR106	D	40
CTXTR107	D	20
CTXTR108	D	10
CTXTR109	D	8
CTXTR11	1	20
CTXTR110	D	4
CTXTR111	D	2
CTXTR112	D	1
CTXTR113	E	80
CTXTR114	E	40
CTXTR115	E	20
CTXTR116	E	10
CTXTR117	E	8
CTXTR118	E	4
CTXTR119	E	2
CTXTR12	1	10
CTXTR120	E	1
CTXTR121	F	80
CTXTR122	F	40
CTXTR123	F	20
CTXTR124	F	10
CTXTR125	F	8
CTXTR126	F	4
CTXTR127	F	2
CTXTR128	F	1
CTXTR13	1	8
CTXTR14	1	4
CTXTR15	1	2
CTXTR16	1	1
CTXTR17	2	80
CTXTR18	2	40
CTXTR19	2	20
CTXTR20	2	10

Name	Hex Offset	Hex Value
CTXTR21	2	8
CTXTR22	2	4
CTXTR23	2	2
CTXTR24	2	1
CTXTR25	3	80
CTXTR26	3	40
CTXTR27	3	20
CTXTR28	3	10
CTXTR29	3	8
CTXTR30	3	4
CTXTR31	3	2
CTXTR32	3	1
CTXTR33	4	80
CTXTR34	4	40
CTXTR35	4	20
CTXTR36	4	10
CTXTR37	4	8
CTXTR38	4	4
CTXTR39	4	2
CTXTR40	4	1
CTXTR41	5	80
CTXTR42	5	40
CTXTR43	5	20
CTXTR44	5	10
CTXTR45	5	8
CTXTR46	5	4
CTXTR47	5	2
CTXTR48	5	1
CTXTR49	6	80
CTXTR50	6	40
CTXTR51	6	20
CTXTR52	6	10
CTXTR53	6	8
CTXTR54	6	4
CTXTR55	6	2
CTXTR56	6	1
CTXTR57	7	80
CTXTR58	7	40
CTXTR59	7	20
CTXTR60	7	10
CTXTR61	7	8
CTXTR62	7	4
CTXTR63	7	2
CTXTR64	7	1
CTXTR65	8	80
CTXTR66	8	40
CTXTR67	8	20
CTXTR68	8	10
CTXTR69	8	8
CTXTR70	8	4
CTXTR71	8	2
CTXTR72	8	1
CTXTR73	9	80
CTXTR74	9	40
CTXTR75	9	20
CTXTR76	9	10
CTXTR77	9	8
CTXTR78	9	4
CTXTR79	9	2
CTXTR80	9	1
CTXTR81	A	80
CTXTR82	A	40
CTXTR83	A	20
CTXTR84	A	10
CTXTR85	A	8
CTXTR86	A	4
CTXTR87	A	2
CTXTR88	A	1
CTXTR89	B	80
CTXTR90	B	40
CTXTR91	B	20
CTXTR92	B	10
CTXTR93	B	8
CTXTR94	B	4
CTXTR95	B	2
CTXTR96	B	1
CTXTR97	C	80
CTXTR98	C	40
CTXTR99	C	20
CTXTSAUT	2D	40
CTXTSBCA	2C	1
CTXTSEQN	10	
CTXTSFB1	2C	
CTXTSFB2	2D	
CTXTSFB4	2F	
CTXTSFHC	2C	10
CTXTSFLG	2C	
CTXTSHCO	2C	4
CTXTSNHC	2C	8
CTXTSNMD	2D	20
CTXTSQPC	2C	80
CTXTSQUN	2C	40
CTXTSRET	2D	80
CTXTSRIS	2D	10
CTXTSRSP	2C	2
CTXTSSUP	2C	20
CTXTSYSN	58	
CTXTS212	4	1
CTXTS220	4	2
CTXTS410	4	3
CTXTS422	4	4
CTXTS720	4	9
CTXTTFB1	4	
CTXTTFB2	5	
CTXTTFLG	4	
CTXTTFMC	4	10
CTXTTFMD	4	4
CTXTTFME	4	2
CTXTTFMJ	4	20
CTXTTFML	4	8
CTXTTFSL	4	80
CTXTTFWR	4	40
CTXTTLEN	0	
CTXTTLMX	2	
CTXTTMSG	6	
CTXTTOKN	3C	
CTXTTURQ	7C	8
CTXTTXPJ	8	
CTXTTXPN	C	
CTXTUNDR	7D	10
CTXTVERN	4	9
CTXTVRSN	4	
CTXTWHIT	7C	2
CTXTYELO	7C	4
CTXT1BCP	28	

CVT Programming Interface information

Programming Interface information

CVT

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

- CVTABEND
- CVTAMFF
- CVTASVT
- CVTBRET
- CVTCSD
- CVTCTLFG
- CVTDCB
- CVTDFA
- CVTECVT
- CVTEXP1
- CVTFLAG2
- CVTFLAG3
- CVTGDA
- CVTGRSST
- CVTGVT
- CVTHID
- CVTIXAVL
- CVTJESCT
- CVTLDTO
- CVTLINK
- CVTLSO
- CVTMDL
- CVTOPCTP
- CVTOSLVL
- CVTOVER
- CVTPCCAT
- CVTPCNVT
- CVTPRLTV
- CVTPROD
- CVTPSXM
- CVTQTD00
- CVTQTE00
- CVTRAC
- CVTRCEP
- CVTRCZRT
- CVTRELNO
- CVTRTMCT
- CVTSAF
- CVTSCPIN
- CVTSDBF
- CVTSDUMP
- CVTSMCA
- CVTSNAME
- CVTSUBSP
- CVTSVT
- CVTTPC
- CVTTVT
- CVTUCBSC
- CVTUSER
- CVTVERID
- CVTVFGET
- CVTVFIND
- CVTVPSIB
- CVTVWAIT
- CVT0EF00
- CVT0PT0E
- CVT0PT02
- CVT0PT03
- CVT0SCR1

End of Programming Interface information

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CVT Heading Information

Common Name: Communications Vector Table
Macro ID: CVT
DSECT Name:
- CVT(when DSECT=YES is coded and PREFIX=YES is not coded)
- CVTFIX(when DSECT=YES and PREFIX=YES is coded)
- CVTMAP(or name user coded in label field of CVT invocation)
- CVTVSTGX(DSECT name of virtual storage extension)
- CVTXTNT1(DSECT name of OS-OS/VS common extension)
- CVTXTNT2(DSECT name of OS/VS1-OS/VS2 common extension)

Owning Component: Common Macros (SC101)
Eye-Catcher ID: CVT
Offset: 96
Length: 4
Storage Attributes: Subpool: Nucleus
Key: 0
Residency: Below 16M line
Size: Prefix: 256 bytes
CVT: 1280 bytes
Virtual storage address extension: 80 bytes
OS - OS/VS common extension: 12 bytes
OS/VS1 - OS/VS2 common extension: 132 bytes
Created by: IEAVCVT
Pointed to by: FLCCVT field of the PSA data area (location X'10')
FLCCVT2 field of the PSA data area
CVTSMEXT points to the Virtual address storage extension
OS/VS - OS/VS extention is pointed to by CVTEXT1
OS/VS1 - OS/VS2 extention is pointed to by CVTEXT2
Serialization: Based on the individual fields being referenced.
Function: The CVT provides the means by which non-nucleus-resident routines may refer to information in the nucleus of the control program. It contains addresses of other control blocks and tables used by the control program routines.

CVT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
-256	(-100)	STRUCTURE	0	CVTFIX	- CVTMAP-256 - PREFIX
-256	(-100)	CHARACTER	216		- RESERVED
-40	(-28)	CHARACTER	16	CVTPROD (0)	- SYSTEM CONTROL PROGRAM PRODUCT LEVEL.
-40	(-28)	CHARACTER	8	CVTPRODN	PRODUCT NAME OF THE CONTROL PROGRAM, EX.(SP3.2). This is maintained for compatibility reasons only. The true product name version, release, and modification level information is in the ECVT (ECVTPNAM, PVER, PREL, PMOD). This can be considered a shorthand for the offical name

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
				Comment	
		For z/OS R8 (HBB7730), the value is SP7.0.8 For z/OS R7.1 (JBB772S), the value is SP7.S.7 For z/OS R7 (HBB7720), the value is SP7.0.7 For z/OS R6.1 (JBB77S9), the value is SP7.S.6 For z/OS R6 (HBB7709), the value is SP7.0.6 For z/OS R5 (HBB7708), the value is SP7.0.5 For z/OS R4 (HBB7707), the value is SP7.0.4 For z/OS R3 (HBB7706), the value is SP7.0.3 For z/OS R2 (HBB7705), the value is SP7.0.2 For z/OS R1 (JBB7713), the value is SP7.0.1 For OS/390 R10 (HBB7703), the value is SP6.1.0 For OS/390 R9 (JBB6609), the value is SP6.0.9 For OS/390 R8 (HBB6608), the value is SP6.0.8 For OS/390 R7 (JBB6607), the value is SP6.0.7 For OS/390 R6 (HBB6606), the value is SP6.0.6 For OS/390 R5 (HBB6605), the value is SP6.0.5 For OS/390 R4 (JBB6604), the value is SP6.0.4 For OS/390 R3 (HBB6603), the value is SP6.0.3 For OS/390 R2 (JBB6602), the value is SP6.0.2 For OS/390 R1 (HBB6601), the value is SP6.0.1 For MVS/ESA SP5.2.2 (JBB5522) the value is SP5.2.2 For MVS/ESA SPa.b.c the value is SPa.b.c			
				End of Comment	
-32	(-20)	CHARACTER	8	CVTPRODI	PRODUCT FMID IDENTIFIER FOR THE CONTROL PROGRAM, EX.(JBB1328).
-24	(-18)	CHARACTER	16	CVTVERID	OPTIONAL USER PERSONALIZATION OF SOFTWARE SYSTEM VERSION. (MDC415)
-8	(-8)	SIGNED	2		- RESERVED
-6	(-6)	CHARACTER	2	CVTMDL	- CPU NUMBER IN SIGNLESS PACKED DECIMAL, I.E., A 3090 PROCESSOR WOULD APPEAR AS X'3090'
-4	(-4)	CHARACTER	4	CVTRELNO (0)	- RELEASE NUMBER (EBCDIC)
-4	(-4)	CHARACTER	2	CVTNUMB	- RELEASE NUMBER YM2188
-2	(-2)	CHARACTER	2	CVTLEVL	- LEVEL NUMBER OF THIS RELEASE YM2188
				Comment	
		END OF CVT PREFIX THE FOLLOWING LINE ESTABLISHES THE HIGHEST DEGREE OF ALIGNMENT REQUIRED IN CVT PROPER, SO THAT THE BOUNDARY ALIGNMENT IS NOT DETERMINED BY THE ENDING OFFSET OF THE PRECEDING SECTION			
				End of Comment	
0	(0)	DBL WORD	8	(0)	- ESTABLISHES ALIGNMENT
0	(0)	X'100'	0	CVTMAP	"*" - CVTPTR CONTENT POINTS HERE
0	(0)	ADDRESS	4	CVTTCBP	"V(IEATCBP)" - Address of PSATNEW.
4	(4)	ADDRESS	4	CVT0EF00	"V(IEA0EF00)" - ADDRESS OF ROUTINE TO SCHEDULE ASYNCHRONOUS EXITS
8	(8)	ADDRESS	4	CVTLINK	"V(IEFLINK)" - ADDRESS OF DCB FOR SYS1.LINKLIB DATA SET. UPDATED BY CONTENTS SUPERVISION RIM. OWNERSHIP: CONTENTS SUPERVISION.
12	(C)	ADDRESS	4	CVTAUSCB	"V(IEFAUSDM)" - ADDRESS OF ASSIGN/UNASSIGN SERVICE DATA MODULE.
16	(10)	ADDRESS	4	CVTBUF	- ADDRESS OF THE BUFFER OF THE RESIDENT CONSOLE INTERRUPT ROUTINE
20	(14)	ADDRESS	4	CVTXAPG	"V(IECXAPG)" - ADDRESS OF I/O SUPERVISOR APPENDAGE VECTOR TABLE
24	(18)	ADDRESS	4	CVT0VL00	"V(IEA0VL00)" - ADDRESS OF ENTRY POINT OF THE TASK SUPERVISOR'S ADDRESS VALIDITY CHECKING ROUTINE

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
28	(1C)	ADDRESS	4	CVTPCNVT	"V(IECPCNVT)" - ADDRESS OF ENTRY POINT OF THE ROUTINE WHICH CONVERTS A RELATIVE TRACK ADDRESS (TTR) TO AN ABSOLUTE TRACK ADDRESS (MBBCCHHR)
32	(20)	ADDRESS	4	CVTPRLTV	"V(IECPRLTV)" - ADDRESS OF ENTRY POINT OF THE ROUTINE WHICH CONVERTS AN ABSOLUTE TRACK ADDRESS (MBBCCHHR) TO A RELATIVE TRACK ADDRESS (TTR)
36	(24)	ADDRESS	4	CVTLLCB	"V(CSVLLCB)" - ADDRESS OF THE LLCB.
40	(28)	ADDRESS	4	CVTLLTRM	"V(CSVLLTRM)" - ADDRESS OF LLA'S MEMORY TERNIMATION RESOURCE MANAGER.
44	(2C)	ADDRESS	4	CVTXTLER	"V(IECXTLER)" - ADDRESS OF ERROR RECOVERY PROCEDURE (ERP) LOADER (IECVERPL) ENTRY POINT IECXTLER (MDC349)
48	(30)	ADDRESS	4	CVTSYSAD	- UCB ADDRESS FOR THE SYSTEM RESIDENCE VOLUME (MDCXXX)
52	(34)	ADDRESS	4	CVTBTERM	"V(IEAVTRG1)" - ADDRESS OF ENTRY POINT OF THE ABTERM ROUTINE @(DCR854)
56	(38)	SIGNED	4	CVTDATE	- CURRENT DATE IN PACKED DECIMAL
60	(3C)	ADDRESS	4	CVTMSLT	"V(IEEMSER)" - ADDRESS OF THE MASTER COMMON AREA IN MASTER SCHEDULER RESIDENT DATA AREA. NOTE - USE CVTMSER INSTEAD TO ADDRESS MASTER SCHEDULER RESIDENT DATA AREA
64	(40)	ADDRESS	4	CVTZDTAB	- ADDRESS OF I/O DEVICE CHARACTERISTIC TABLE
68	(44)	ADDRESS	4	CVTXITP	"V(IECXITP)" - ADDRESS OF ERROR INTERPRETER ROUTINE
72	(48)	ADDRESS	4	CVT0EF01	"V(IEA0EF01)" ENTRY POINT IN STAGE II EXIT EFFECTOR USED BY SCHEDXIT MACRO
76	(4C)	SIGNED	4	CVTVPRM (0)	VECTOR PARAMETERS
76	(4C)	SIGNED	2	CVTVSS	VECTOR SECTION SIZE
78	(4E)	SIGNED	2	CVTVPSM	VECTOR PARTIAL SUM NUMBER
80	(50)	SIGNED	2	CVTEXIT	- AN SVC 3 INSTRUCTION. EXIT TO DISPATCHER
82	(52)	SIGNED	2	CVTBRET	- A BR 14 INSTRUCTION. RETURN TO CALLER (USED BY DATA MANAGEMENT ROUTINES)
84	(54)	ADDRESS	4	CVTSVDCB	"V(IEASVDCB)" - ADDRESS OF THE DCB FOR THE SYS1.SVCLIB DATA SET
88	(58)	ADDRESS	4	CVTTPC	"V(IEATPC)" - ADDRESS OF THE TIMER SUPERVISOR WORK AREA
92	(5C)	SIGNED	4	CVTFLGCS (0)	- Flags set by CS
92	(5C)	BITSTRING	1	CVTFLGC0	- Flags
		1...		CVTMULNF	"X'80'" - For users of IFAUSAGE, REQUEST=FUNCTIONxxx calls need not be done. This correlates to the NOMULCFUNC parameter in SMFPRMxx
93	(5D)	BITSTRING	1	CVTFLGC1	- Flags
94	(5E)	SIGNED	2	CVTICPID	- IPL'ED CPU PHYSICAL ID
96	(60)	CHARACTER	4	CVTCVT	- CVT ACRONYM IN EBCDIC (EYE-CATCHER)
100	(64)	ADDRESS	4	CVTCUCB	"V(IEECUCB)" - ADDRESS OF THE UNIT CONTOL MODULE (UCM)
104	(68)	ADDRESS	4	CVTQTE00	"V(IEAQTE00)" - ADDRESS OF THE TIMER ENQUEUE ROUTINE FOR INTERVAL TIMER
108	(6C)	ADDRESS	4	CVTQTD00	"V(IEAQTD00)" - ADDRESS OF THE TIMER DEQUEUE ROUTINE FOR INTERVAL TIMER
112	(70)	ADDRESS	4	CVTSTB	- ADDRESS OF THE I/O DEVICE STATISTICS TABLE
116	(74)	BITSTRING	1	CVTDCB	- OPERATING SYSTEM FOR S/370-XA MODE EXECUTION, CVTMVSE, CVT4MS1, CVTOSEXT, CVT6DAT, AND CVTMVS2 ARE SET ON AT CVT CREATION
		1...		CVTMVSE	"X'80'" - S/370-XA MODE EXECUTION
		.1..		CVT1SSS	"X'40'" - OPTION 1 (PCP) SSS. ALSO, LANGUAGE COMPILERS MAY USE THIS BIT TO DETERMINE IF THEY ARE RUNNING UNDER OS OR VM (WILL BE 0 FOR OS).
		..1.		CVT2SPS	"X'20'" - OPTION 2 (MFT) SPS, OS/VS1, VSE
		...1		CVT4MS1	"X'10'" - OPTION 4 (MVT) MS1, OS/VS2
		.... 1...		CVTOSEXT	"X'08'" - INDICATOR THAT THE CVTOSLVL AREA IS PRESENT AND MAY BE REFERENCED.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		CVT4MPS	"X'04'" - MODEL 65 MULTIPROCESSING
		.... ..1.		CVT6DAT	"X'02'" - DYNAMIC ADDRESS TRANSLATION BY CPU (OS/VS1, OS/VS2)
		1		CVTMVS2	"X'01'" - MULTIPLE MEMORY OPTION OF OS/VS2 IS PRESENT MDC131
116	(74)	X'12'	0	CVT8AOS2	"CVT4MS1+CVT6DAT" - OS/VS2 SYSTEM
117	(75)	ADDRESS	3	CVTDCBA	"VL3(IFBDCB)" - ADDRESS OF THE DCB FOR THE SYS1.LOGREC (OUTBOARD RECORDER) DATA SET FOR SYSTEM ENVIRONMENT RECORDING (SER)
120	(78)	SIGNED	4	CVTSV76M	- SVC 76 MESSAGE COUNT FIELD (OS/VS2) (MDC372)
124	(7C)	ADDRESS	4	CVTIXAVL	"V(IECIXAVL)" - ADDRESS OF THE I/O SUPERVISOR'S FREELIST POINTER WHICH CONTAINS THE ADDRESS OF THE NEXT REQUEST ELEMENT (OS/VS1) ADDRESS OF THE I/O SUPERVISOR'S COMMUNICATION AREA (IOCOM) (OS/VS2)
128	(80)	ADDRESS	4	CVTNUCB	- RESERVED (MDCXXX)
132	(84)	ADDRESS	4	CVTFBOSV	"V(IEWFBOSV)" - ADDRESS OF PROGRAM FETCH ROUTINE
136	(88)	ADDRESS	4	CVT0DS	"V(IEA0DS)" - ADDRESS OF ENTRY POINT OF THE DISPATCHER
140	(8C)	ADDRESS	4	CVTECVT	"V(IEAECVT)" - POINTER TO THE EXTENDED CVT
144	(90)	ADDRESS	4	CVTDAIRX	- ADDRESS OF THE 31- BIT ENTRY POINT OF IKJDAIR, TSO DYNAMIC ALLOCATION INTERFACE ROUTINE.
148	(94)	ADDRESS	4	CVTMSER	"V(IEEMSER)" - ADDRESS OF DATA AREA OF MASTER SCHEDULER RESIDENT DATA AREA
152	(98)	ADDRESS	4	CVT0PT01	"V(IEA0PT01)" - ADDRESS OF BRANCH ENTRY POINT OF POST ROUTINE
156	(9C)	ADDRESS	4	CVTTVT	- ADDRESS OF TSO VECTOR TABLE
160	(A0)	SIGNED	4	CVT040ID	- IFB040I WTO MESSAGE ID. OWNERSHIP: OUTBOARD RECORDING (OBR). SERIALIZATION: COMPARE AND SWAP.
164	(A4)	BITSTRING	4	CVTMZ00	- HIGHEST ADDRESS IN VIRTUAL STORAGE FOR THIS MACHINE @(PCC0178)
168	(A8)	ADDRESS	4	CVT1EF00	- ADDRESS OF ROUTINE WHICH CREATES IRB'S FOR EXITS
172	(AC)	ADDRESS	4	CVTQOCR	- GRAPHICS INTERFACE TASK (GFX) FIELD. ADDRESS OF SEVENTH WORD OF GFX PARAMETER LIST, IF GFX IS ACTIVE. ZERO IF GFX IS NOT ACTIVE
176	(B0)	ADDRESS	4	CVTQMWR	"V(IEFQMWR)" - ADDRESS OF THE ALLOCATION COMMUNICATION AREA (MAPPED BY IEFZB432) - CONTAINS THE ADDRESSES OF SERVICE ROUTINES AND THE CHAIN OF MOUNT AND VERIFY COMMUNICATION AREAS.
180	(B4)	SIGNED	2	CVTSNCTR	- SERIAL NUMBER COUNTER FOR ASSIGNING SERIAL NUMBERS TO NON-SPECIFIC, UNLABELED MAGNETIC TAPE VOLUMES
182	(B6)	BITSTRING	1	CVTOPTA	- OPTION INDICATORS
		1...		CVTCCH	"X'80'" - CHANNEL CHECK HANDLER (CCH) OPTION PRESENT - RECOVERY MANAGEMENT SUPPORT (RMS) XM4686
		.1..		CVTAPR	"X'40'" - ALTERNATE PATH RETRY (APR) OPTION PRESENT - RECOVERY MANAGEMENT SUPPORT (RMS)
		..1.		CVTDDR	"X'20'" - DYNAMIC DEVICE RECONFIGURATION (DDR) OPTION PRESENT - RECOVERY MANAGEMENT SUPPORT (RMS) (OS/VS1) DDR SYSTEM-INITIATED SWAP ACTIVE (OS/VS2) MDC126
		...1		CVTNIP	"X'10'" - NIP IS EXECUTING
		.... .1..		CVT121TR	"X'04',,C'X'" - DO NOT TRANSLATE EXCP V=R.
		.... ..1.		CVTASCII	"X'02'" - ASCII TAPE PROCESSING IS GENERATED IN THIS SYSTEM
		1		CVTXPFP	"X'01'" - CPU HAS EXTENDED PRECISION FLOATING POINT FEATURE
183	(B7)	BITSTRING	1	CVTOPTB	- MISCELLANEOUS FLAGS
		1...		CVTPROT	"X'80'" - CPU HAS STORE PROTECTION FEATURE (OS/VS1)

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		CVTCTIMS	"X'40'" - IF ON, HARDWARE HAS THE CLOCK COMPARATOR AND CPU TIMER FEATURE INSTALLED, AND OS/VS1 SYSGEN HAS SPECIFIED THIS FEATURE (OS/VS1) MDC127
		..1.		CVTTOD	"X'20'" - CPU HAS TIME-OF-DAY CLOCK FEATURE
		...1		CVTNLOG	"X'10'" - SYS1.LOGREC IS UNAVAILABLE FOR ERROR RECORDING. ALWAYS SET TO ZERO FOR OS/VS1. MDC127
		.... 1...		CVTAPTHR	"X'08'" - NIP SETS THIS BIT TO 1 WHEN DEVICE TESTING IS COMPLETE. IF 1, I/O SUPERVISOR USES AN ALTERNATE PATH TO A DEVICE WHEN A CONDITION CODE OF 3 EXISTS. THIS BIT IS RESET TO 0 BY NIP AFTER THE LINK PACK AREA IS INITIALIZED. YM2670
		.... .1..		CVTFP	"X'04'" - CPU HAS FETCH PROTECTION FEATURE (OS/VS1) ICB427
		.... ..1.		CVTVS1A	"X'02'" - VS1 ASSIST IS AVAILABLE FOR USE (OS/VS1) (MDC353)
		1		CVTVS1B	"X'01'" - VS1 ASSIST SUBSET IS AVAILABLE FOR USE (OS/VS1) (MDC365)
184	(B8)	ADDRESS	4	CVTQCDSR	"V(IEAQCDSR)" - CDE SEARCH ROUTINE ADDRESS (OS/VS2)
188	(BC)	ADDRESS	4	CVTQLPAQ	"V(IEAQLPAQ)" - ADDRESS OF POINTER TO MOST RECENT ENTRY ON LINK PACK AREA CDE QUEUE (OS/VS2)
192	(C0)	ADDRESS	4	CVTENFCT	"V(IEFENFDM)" EVENT NOTIFICATION CONTROL TABLE (MDC409)
196	(C4)	ADDRESS	4	CVTSMCA	- ADDRESS OF THE SYSTEM MANAGEMENT CONTROL AREA (SMCA) IF THE SYSTEM MANAGEMENT FACILITIES (SMF) OPTION IS PRESENT IN THE SYSTEM. OTHERWISE, ZERO.
200	(C8)	ADDRESS	4	CVTABEND	"V(IEABEND)" - ADDRESS OF SECONDARY CVT FOR ABEND IN EOT (OS/VS2)
204	(CC)	ADDRESS	4	CVTUSER	- A WORD AVAILABLE TO THE USER
208	(D0)	ADDRESS	4	CVTMDLDS	- RESERVED FOR MODEL-DEPENDENT SUPPORT
212	(D4)	SIGNED	2	CVTQABST	- AN SVC 13 (ABEND) INVOCATION (OS/VS2)
214	(D6)	SIGNED	2	CVTLNKSC	- AN SVC 6 (LINK) INVOCATION
216	(D8)	ADDRESS	4	CVTTSCE	- ADDRESS OF THE FIRST TIME SLICE CONTROL ELEMENT (TSCE)
220	(DC)	ADDRESS	4	CVTPATCH	"V(IEAPATCH)" - ADDRESS OF A 200-BYTE FE PATCH AREA
224	(E0)	ADDRESS	4	CVTRMS	"V(IGFRVT)" - RECOVERY MANAGEMENT SUPPORT (RMS) COMMUNICATIONS VECTOR. ADDRESS OF A MACHINE STATUS BLOCK.
228	(E4)	ADDRESS	4	CVTSPDME	- SERVICE PROCESSOR DAMAGE MONITOR ECB.
232	(E8)	ADDRESS	4	CVT0SCR1	"V(IEC0SCR1)" - ADDRESS OF THE SECTOR CALCULATION ROUTINE FOR ROTATIONAL POSITION SENSING (RPS)
236	(EC)	ADDRESS	4	CVTGTF (0)	- GENERALIZED TRACE FACILITY (GTF) CONTROL WORD ICB312
236	(EC)	ADDRESS	1	CVTGTFST	- GTF FLAG BYTES ICB312
		1...		CVTGTFAV	"X'80'" - IF ZERO, GTF NOT ACTIVE. IF ONE, GTF ACTIVE. (OS/VS2) MDC098
		.1..		CVTSPD	"X'40'" - SERVICE PROCESSOR DAMAGE. (1) INDICATES DAMAGE. (0) INDICATES NO DAMAGE.
		..1.		CVTWSPR	"X'20'" - WAITING FOR SERVICE PROCESSOR RESPONSE. (1) INDICATES OUTSTANDING REQUEST. (0) INDICATES NO OUTSTANDING REQUEST.
		.... .1..		CVTUSR	"X'04'" - TRACE=USR SPECIFIED. USER-REQUESTED TRACE DATA IS TO BE INCLUDED IN THE TRACE DATA SET. (MDC317)
		.... ..1.		CVTRNIO	"X'02'" - GTF IS ACTIVE AND TRACING RNIO EVENTS MDC187
237	(ED)	ADDRESS	3	CVTGTFA	"VL3(AHLHEAD)" -ADDRESS OF MAIN MONITOR CALL ROUTING TABLE, MCHEAD (OS/VS2) MDC156
240	(F0)	ADDRESS	4	CVTAQAVT (0)	- ADDRESS OF THE FIRST WORD OF THE TCAM DISPATCHER WHICH CONTAINS THE ADDRESS OF THE ADDRESS VECTOR TABLE (AVT). IF ZERO, TCAM IS NOT STARTED.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
240	(F0)	BITSTRING	1	CVTTCMFG	- TCAM FLAGS
		1...		CVTTCRDY	"X'80'" - TCAM IS READY TO ACCEPT USERS
		.1..		CVTLDEV	"X'40'" - LOCAL DEVICE ATTACHED TO TCAM (MDC357)
		..1.		CVTNWTCM	"X'20'" - MULTIPLE TCAM FEATURE ACTIVE.
241	(F1)	ADDRESS	3	CVTAQAVB	- SAME AS CVTAQAVT ABOVE
244	(F4)	BITSTRING	4	CVTRS0F4	RESERVED
248	(F8)	ADDRESS	4	CVTSAF	- ADDRESS OF ROUTER VECTOR TABLE. @(PCC0549)
252	(FC)	ADDRESS	4	CVTEXT1	- ADDRESS OF OS - OS/VS COMMON EXTENSION ICB421
256	(100)	ADDRESS	4	CVTCBSP	- ADDRESS OF ACCESS METHOD CONTROL BLOCK STRUCTURE MDC195
260	(104)	ADDRESS	4	CVTPURG (0)	- ADDRESS OF SUBSYSTEM PURGE ROUTINE ICB330
260	(104)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTPURG
261	(105)	ADDRESS	3	CVTPURGA	- ADDRESS OF SUBSYSTEM PURGE ROUTINE ICB330
264	(108)	BITSTRING	4	CVTAMFF	- RESERVED FOR ACCESS METHOD FLAGS ICB436
268	(10C)	ADDRESS	4	CVTQMSG	"V(IEAVMSGS)" - ADDRESS OF INFORMATION TO BE PRINTED BY ABEND. @(PCC0521)
272	(110)	ADDRESS	4	CVTDMSR (0)	- SAME AS CVTDMSRA BELOW ICB346
272	(110)	BITSTRING	1	CVTDMSRF	- OPEN/CLOSE/EOV FLAG BYTE. SETTING BOTH BIT 0 AND BIT 1 ON WILL CAUSE BOTH KINDS OF DUMPS TO BE TAKEN. THESE BITS ARE USED DURING TESTING AND DEBUGGING WHEN OTHER DEBUG METHODS ARE INEFFECTIVE. (OS/VS2) (MDC350)
		1...		CVTSDUMP	"X'80'" - SET BY COREZAP. WILL CAUSE AN SDUMP TO BE TAKEN AND IEC999I MESSAGE ISSUED FOR EVERY ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR DADSM FUNCTION. (OS/VS2) (MDC351)
		.1..		CVTUDUMP	"X'40'" - SET BY COREZAP. WILL CAUSE AN ABEND DUMP TO BE TAKEN FOR EVERY ABEND ISSUED WITHIN AN OPEN/CLOSE/EOV OR DADSM FUNCTION. (OS/VS2) (MDC352)
273	(111)	ADDRESS	3	CVTDMSRA	- ADDRESS OF THE OPEN/CLOSE/EOV SUPERVISORY ROUTINE IN THE NUCLEUS. THIS ROUTINE HANDLES THE ROUTING OF CONTROL AMONG THE I/O SUPPORT ROUTINES. ICB346
276	(114)	ADDRESS	4	CVTSFR	"V(IEAVTSFR)" - ADDRESS OF SETFRR ROUTINE (IEAVTSFR) (MDC414)
280	(118)	ADDRESS	4	CVTGXL	"V(CSVMEM)" - ADDRESS OF CONTENTS SUPERVISION MEMORY TERMINATION ROUTINE OWNERSHIP - CONTENTS SUPERVISION.
284	(11C)	ADDRESS	4	CVTREAL	- ADDRESS OF THE VIRTUAL STORAGE BYTE FOLLOWING THE HIGHEST V=R STORAGE ADDRESS. @(PCC1294)
288	(120)	ADDRESS	4	CVTPTRV	"V(IEAPTRV)" - ADDRESS OF PAGING SUPERVISOR GENERAL ROUTINE TO TRANSLATE 24 BIT REAL ADDRESSES TO VIRTUAL ADDRESSES.
292	(124)	ADDRESS	4	CVTIHVP	- POINTER TO IHV$COMM. INITIALIZED TO ZERO. OWNER: IHV/DATA HANDLER. SET BY: IHVSTRTM. SERIALIZATION: NONE.
296	(128)	ADDRESS	4	CVTJESCT	"V(IEFJESCT)" - ADDRESS OF JOB ENTRY SUBSYSTEM (JES) CONTROL TABLE ICB342
300	(12C)	BITSTRING	4	CVTRS12C	- RESERVED
304	(130)	SIGNED	4	CVTTZ	- DIFFERENCE BETWEEN LOCAL TIME AND GREENWICH MEAN TIME IN BINARY UNITS OF 1.048576 SECONDS INITIALIZED DURING NIP PROCESSING OF SYS1.PARMLIB CLOCKXX MEMBERS
308	(134)	ADDRESS	4	CVTMCHPR	- ADDRESS OF MACHINE CHECK PARAMETER LIST
312	(138)	ADDRESS	4	CVTEORM	- POTENTIAL REAL HIGH STORAGE ADDRESS. ONLY VALID PRE-z/Architecture. (SEE ECVTEORM IN IHAECVT).
316	(13C)	ADDRESS	4	CVTPTRV3	"V(IEAVTRV3)" - ADDRESS OF PAGING SUPERVISOR ROUTINE TO TRANSLATE REAL ADDRESSES WHICH MAY EXCEED 24 BITS TO VIRTUAL ADDRESSES.
320	(140)	ADDRESS	4	CVTLKRM	"V(IEAVLKRM)" ADDRESS OF CML LOCK RESOURCE MANAGER
324	(144)	ADDRESS	4	CVTAPF (0)	- SAME AS CVTAPFA BELOW ICB360
324	(144)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTAPF

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
325	(145)	ADDRESS	3	CVTAPFA	"VL3(IEAVTEST)" ADDRESS OF BRANCH ENTRY POINT IN AUTHORIZED PROGRAM FACILITY (APF) ROUTINE
328	(148)	ADDRESS	4	CVTEXT2 (0)	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB330
328	(148)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTEXT2
329	(149)	ADDRESS	3	CVTEXT2A	SAME AS CVTEXT2 ABOVE ICB330
332	(14C)	ADDRESS	4	CVTHJES (0)	- SAME AS CVTHJESA BELOW ICB454
332	(14C)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTHJES
333	(14D)	ADDRESS	3	CVTHJESA	- ADDRESS OF OPTIONAL JOB ENTRY SUBSYSTEM (JES) COMMUNICATION VECTOR TABLE ICB454
336	(150)	BITSTRING	4	CVTRSTW2 (0)	- STATUS DATA FOR RESTART FLIH OWNERSHIP: RESTART FLIH SERIALIZATION: RESTART RESOURCE
336	(150)	BITSTRING	1	CVTRSTCP	- LOGICAL CPU ADDRESS OF TARGET OF RESTART.
337	(151)	BITSTRING	1	CVTRSTRS	- RESTART REASON.
338	(152)	BITSTRING	2		- RESERVED FOR RESTART FLIH
340	(154)	CHARACTER	8	CVTSNAME	SYSTEM NAME FOR CURRENT SYSTEM. OWNERSHIP: GRS. SERIALIZATION: NONE. @(PCC0452)
348	(15C)	ADDRESS	4	CVTGETL	- ADDRESS OF IKJGETL, TSO GET LINE ROUTINE (MDC206) YM2225
352	(160)	ADDRESS	4	CVTLPDSR	"V(IEAVVMSR)" - ADDRESS OF LINK PACK AREA (LPA) DIRECTORY SEARCH ROUTINE
356	(164)	ADDRESS	4	CVTPVTP	"V(IARMPVT)" - ADDRESS OF PAGE VECTOR TABLE
360	(168)	ADDRESS	4	CVTLPDIA (0)	- ADDRESS OF LINK PACK AREA (LPA) DIRECTORY (ON PAGE BOUNDARY)
360	(168)	BITSTRING	1	CVTDIRST	- FLAG BYTE
		1...		CVTDICOM	"X'80'" - LPA DIRECTORY HAS BEEN INITIALIZED BY NIP
361	(169)	ADDRESS	3	CVTLPDIR	- ADDRESS OF LINK PACK AREA (LPA) DIRECTORY (ON PAGE BOUNDARY)
364	(16C)	ADDRESS	4	CVTRBCB	- ADDRESS OF THE RECORD BUFFER'S CONTROL BLOCK
368	(170)	BITSTRING	4	CVTRS170	- RESERVED
372	(174)	CHARACTER	4	CVTSLIDA (0)	- IDENTITY OF TCB CAUSING SUPERVISOR LOCK BYTE (CVTSYLK) TO BE SET OR IDENTITY OF TCB THAT SECOND EXIT PROCESSING IS FOR WHEN CVTSEIC=1
372	(174)	BITSTRING	1	CVTSYLK	- SUPERVISOR LOCK. ONLY ENABLED TASKS MAY BE DISPATCHED
		1111 1111		CVTSYLKS	"X'FF'" - SET LOCK BYTE
		....		CVTSYLKR	"X'00'" - RESET LOCK BYTE
373	(175)	ADDRESS	3	CVTSLID	- SAME AS CVTSLIDA ABOVE
376	(178)	SIGNED	4	CVTFLAGS (0)	- SYSTEM GLOBAL FLAGS
376	(178)	BITSTRING	1	CVTFLAG1	- FLAG BYTE
		1...		CVTRSMWD	"X'80'" - IF ONE REAL STORAGE MANAGER WINDOW WAS BUILT, INITIALIZED BY NIP.
		.1..		CVTSVPRC	"X'40'" - SERVICE PROCESSOR ARCHITECTURE SUPPORTED.
		..1.		CVTCUSE	"X'20'" - CUSE. SET BY NIP
		...1		CVTMVPG	"X'10'" - IF ONE, MOVEPAGE CAPABILITY IS PRESENT ON THIS SYSTEM. INITIALIZED BY NIP
		.... 1...		CVTOVER	"X'08'" - SUBPOOL OVERRIDE IS SUPPORTED. INITIALIZED BY NIP.
		.... .1..		CVTCSTR	"X'04'" - IF ONE, CSTRING FACILITY IS PRESENT ON THIS SYSTEM. INITIALIZED BY NIP.
		.... ..1.		CVTSUBSP	"X'02'" - IF ONE, SUBSPACE FACILITY IS PRESENT ON THIS SYSTEM. INITIALIZED BY NIP.
		1		CVTKPAR	"X'01'" - RESERVED FOR USE BY RTM ONLY. OWNERSHIP: RTM SERIALIZATION: NONE.
377	(179)	BITSTRING	1	CVTFLAG2	- FLAG BYTE
		1...		CVTCMPSC	"X'80'" - IF ONE, INDICATES PRESENCE OF MVS COMPRESSION/EXPANSION SERVICE. INITIALIZED ON. OWNERSHIP: CALLABLE SERVICES. SERIALIZATION: NONE.
		.1..		CVTCMPSH	"X'40'" - IF ONE, INDICATES PRESENCE OF CMPSC COMPRESSION/EXPANSION HARDWARE INSTRUCTION SET BY NIP. OWNERSHIP: CALLABLE SERVICES. SERIALIZATION: NONE (UNCHANGED AFTER NIP).

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		CVTSOPF	"X'20'" - IF ONE, INDICATES PRESENCE OF THE SUPPRESSION-ON-PROTECTION HARDWARE FACILITY. SET BY NIP. OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: NONE (UNCHANGED AFTER NIP).
		...1		CVTBFPH	"X'10'" - If one, indicates presence of BFP hardware instruction set. Set by NIP. Ownership: Supervisor. Serialization: None (unchanged after NIP).
		.... 1...		CVTPER2	"X'08'" - If one, indicates presence of PER2 hardware on all CPUs Set by NIP. Ownership: Supervisor. Serialization: None (unchanged after NIP).
		.... .1..		CVTIQD	"X'04'" - If one, indicates that Internal Queued Direct Communications is supported. Set by IOS during NIP. Ownership: IOS Serialization: None (unchanged after NIP).
		.... ..1.		CVTALR	"X'02'" - If one, indicates ASN and LX Reuse Architecture is enabled. Set by NIP. Ownership: Supervisor. Serialization: None (unchanged after NIP).
378	(17A)	BITSTRING	1	CVTFLAG3	- FLAG BYTE
		1...		CVTESAME	"X'80'" -
		1...		CVTZARCH	"X'80'" - If one, indicates presence of z/Architecture hardware. Note that it is often simpler to check if PSA field FLCARCH is non-zero to determine this. Set by NIP. Ownership: Supervisor. Serialization: None (unchanged after NIP).
379	(17B)	BITSTRING	1	CVTFLAG4	- FLAG BYTE
380	(17C)	ADDRESS	4	CVTRT03	"V(IEAVRT03)" - ADDRESS OF SRB TIMING INITIALIZATION MODULE. (MDC406)
384	(180)	BITSTRING	8	CVTRS180	- RESERVED
392	(188)	ADDRESS	4	CVTEXSNR	"V(IEEVEXSN)" - ADDRESS OF EXCESSIVE SPIN NOTIFICATION ROUTINE (MDC386)
396	(18C)	BITSTRING	1	CVTEXSNL	- SERIALIZATION BYTE FOR EXCESSIVE SPIN NOTIFICATION ROUTINE (MDC387)
397	(18D)	ADDRESS	1	CVTSPVLK	- NUMBER OF TASKS WHICH HAVE TERMINATED WHILE OWNING SUPERVISOR LOCK WITHOUT OPERATOR HAVING YET BEEN NOTIFIED
398	(18E)	BITSTRING	1	CVTCTLFG	- SYSTEM CONTROL FLAGS
		...1		CVTDSTAT	"X'10'" - DEVSTAT OPTION IN EFFECT. DEVICE ADDRESS FOR 2319, 3330, 2314, 3330-1, 3340 CAN VARY ACROSS SYSTEMS. Not a programming interface. MDC189
		.... 1...		CVTDRMOD	"X'08'" - Set on when DRMODE=YES was specified.
		.... .1..		CVTNOMP	"X'04'" - MULTIPROCESSING CODE IS NOT IN THE SYSTEM. Not a programming interface. MDC176
		.... ..1.		CVTGTRCE	"X'02'" - GENERALIZED TRACE FACILITY (GTF) HAS SUPPRESSED SUPERVISOR TRACE. Not a programming interface. ICB446
		1		CVTSDTRC	"X'01'" - SVC DUMP HAS SUPPRESSED SUPERVISOR TRACE. Not a programming interface. ICB446
399	(18F)	SIGNED	1	CVTAPG	- DISPATCHING PRIORITY OF AUTOMATIC PRIORITY GROUP (APG) MDC152
404	(194)	ADDRESS	4	CVTRSCN	"V(IEATRSCN)" - ADDRESS OF ROUTINE TO SCAN TCB TREE
408	(198)	ADDRESS	4	CVTTAS	- ADDRESS OF ROUTINE TO TRANSFER ADDRESS SPACE YM2706
412	(19C)	ADDRESS	4	CVTTRCRM	- ADDRESS POINTER OF THE SYSTEM TRACE RESOURCE MANAGER. @(DCR816)
416	(1A0)	ADDRESS	4	CVTSHRVM	- LOWEST ADDRESS OF SHARED VIRTUAL STORAGE AREA. THIS ADDRESS WILL BE THE BEGINNING OF THE COMMON SERVICE AREA (CSA) (MDC324)
420	(1A4)	ADDRESS	4	CVT0VL01	"V(IEA0VL01)" - ENTRY POINT ADDRESS OF VALIDITY CHECK ROUTINE (IEA0VL01) USED TO COMPARE PROTECT KEY OF AN ADDRESS WITH TCB PROTECT KEY
424	(1A8)	ADDRESS	4	CVTPPGMX	"V(CSVEXIT)" - ADDRESS POINTER FOR MVS/370-XA.
428	(1AC)	BITSTRING	1	CVTGRSST	- GRS status. SERIALIZATION: None.
		1...		CVTE51GN	"X'80'" - When on, global resource contention data normally reported via ENF event code 51 to listeners on this system is unavailable or incomplete.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		CVTE51LN	"X'40'" - When on, local resource contention data normally reported via ENF event code 51 to listeners on this system is unavailable or incomplete.
429	(1AD)	BITSTRING	3	CVTRS1AD	- Reserved
432	(1B0)	ADDRESS	4	CVTGVT	"V(GVT)" - ADDRESS OF THE GRS VECTOR TABLE (MDC414)
436	(1B4)	ADDRESS	4	CVTASCRF	- CREATED ASCB QUEUE HEADER (MDC337)
440	(1B8)	ADDRESS	4	CVTASCRL	- CREATED ASCB QUEUE TRAILER (MDC338)
444	(1BC)	ADDRESS	4	CVTPUTL	- ADDRESS OF IKJPUTL, TSO PUT LINE ROUTINE (MDC207) YM2225
448	(1C0)	ADDRESS	4	CVTSRBRT	"V(IEAPDSRT)" - DISPATCHER RETURN ADDRESS FOR SRB ROUTINES MDC130
452	(1C4)	ADDRESS	4	CVTOLT0A	"V(IFDOLT0A)" - BRANCH ENTRY TO OLTEP MEMORY TERMINATION RESOURCE MANAGER MDC129
456	(1C8)	ADDRESS	4	CVTSMFEX	"V(IEASMFEX)" - BRANCH ENTRY TO SYSTEM MANAGEMENT FACILITIES (SMF) EXCP COUNTING ROUTINE FOR VAM WINDOW INTERCEPT MDC133
460	(1CC)	ADDRESS	4	CVTCSPIE	- ENTRY POINT ADDRESS OF THE SUPERVISOR CHECKPOINT/RESTART ROUTER (IEAVCKRS). RESOLVED BY IEAVNP05 AFTER THE LPA HAS BEEN BUILT. PREVIOUSLY CONTAINED THE ENTRY POINT ADDRESS OF THE RTM CHECKPOINT/ RESTART EXIT ROUTINE (IEAVSPI).
464	(1D0)	ADDRESS	4	CVTPTGT	- ADDRESS OF IKJPTGT, TSO PUTGET ROUTINE (MDC208) YM2225
468	(1D4)	BITSTRING	1	CVTSIGPT	- SIGP TIMEOUT VALUE. OWNERSHIP: MACHINE CHECK HANDLER (MCH). SERIALIZATION: NONE (SET DURING IPL).
469	(1D5)	BITSTRING	1	CVTSPDMC	- SERVICE PROCESSOR DAMAGE MACHINE CHECK LOCK BYTE.
470	(1D6)	BITSTRING	1	CVTDSSAC	- DYNAMIC SUPPORT SYSTEM (DSS) ACTIVATED FLAG - USED BY RESTART FLIH. IF X'00', DSS NOT INITIALIZED. IF X'FF', DSS HAS BEEN INITIALIZED. MDC163
471	(1D7)	BITSTRING	1	CVTRS1D7	- RESERVED
472	(1D8)	ADDRESS	4	CVTSTCK	- ADDRESS OF IKJSTCK, TSO STACK ROUTINE (MDC209) YM2225
476	(1DC)	SIGNED	2	CVTMAXMP	- MAXIMUM PHYSICAL CPU ADDRESS SUPPORTED BY THIS RELEASE. @(DCR1020)
478	(1DE)	BITSTRING	2	CVTBSM2	- RETURN VIA REG 2, BSM 0,2.
480	(1E0)	ADDRESS	4	CVTSCAN	- ADDRESS OF IKJSCAN, TSO SCAN ROUTINE (MDC210) YM2225
484	(1E4)	ADDRESS	4	CVTAUTHL	- POINTER TO AUTHORIZED LIBRARY TABLE. X'7FFFF001' IF DYNAMIC FORMAT APF TABLE. OWNED AND SET BY CONTENTS SUPERVISOR.
488	(1E8)	ADDRESS	4	CVTBLDCP	"V(IEAVBLDP)" - BRANCH ENTRY TO BUILD POOL MDC003
492	(1EC)	ADDRESS	4	CVTGETCL	"V(IEAVGTCL)" - BRANCH ENTRY TO GET CELL MDC004
496	(1F0)	ADDRESS	4	CVTFRECL	"V(IEAVFRCL)" - BRANCH ENTRY TO FREE CELL MDC005
500	(1F4)	ADDRESS	4	CVTDELCP	"V(IEAVDELP)" - BRANCH ENTRY TO DELETE POOL MDC006
504	(1F8)	ADDRESS	4	CVTCRMN	"V(CRBRANCH)" - BRANCH ENTRY TO SVC 120 (GETMAIN/FREEMAIN CRBRANCH) MDC007
508	(1FC)	ADDRESS	4	CVTCRAS	"V(IGVGCAS)" - POINTER DEFINED ADDRESS OF BRANCH ENTRY TO 'CREATE ADDRESS SPACE'
512	(200)	ADDRESS	4	CVTQSAS	"V(IGVQSPET)" - POINTER DEFINED ADDRESS OF BRANCH ENTRY TO TASK TERMINATION
516	(204)	ADDRESS	4	CVTFRAS	"V(IGVGFAS)" - POINTER DEFINED ENTRY TO TASK TERMINATION
520	(208)	ADDRESS	4	CVTS1EE	"V(IGC043BR)" - BRANCH ENTRY TO STAGE 1 EXIT EFFECTOR MDC011
524	(20C)	ADDRESS	4	CVTPARS	- ADDRESS OF IKJPARS, TSO PARSE ROUTINE (MDC211) YM2225
528	(210)	ADDRESS	4	CVTQUIS	"V(IEAVAR02)" - BRANCH ENTRY TO QUIESCE MDC013
532	(214)	ADDRESS	4	CVTSTXU	- BRANCH ENTRY TO ATTENTION EXIT EPILOGUE (MDC321)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
536	(218)	ADDRESS	4	CVTOPTE	"V(IRARMI00)" - BRANCH ENTRY ADDRESS TO SYSEVENT MDC015
540	(21C)	ADDRESS	4	CVTSDRM	- BRANCH ENTRY ADDRESS OF THE RESOURCE MANAGER ROUTINE FOR SVC DUMP. THIS ROUTINE CAN BE INVOKED BY MEMORY TERMINATION
544	(220)	ADDRESS	4	CVTCSRT	"V(CSRTABLE)" - POINTER TO CALLABLE SERVICE REQUEST TABLE OWNERSHIP: CSR SERIALIZATION: NONE
548	(224)	ADDRESS	4	CVTAQTOP	"V(IEFAQTOP)" - POINTER TO THE ALLOCATION QUEUE LOCK AREA.
552	(228)	ADDRESS	4	CVTVVMDI	- CONSTANT USED BY PAGED LINK PACK AREA (LPA) DIRECTORY SEARCH ALGORITHM
556	(22C)	ADDRESS	4	CVTASVT	- POINTER TO ADDRESS SPACE VECTOR TABLE (ASVT)
560	(230)	ADDRESS	4	CVTGDA	- POINTER TO GLOBAL DATA AREA (GDA) IN SQA
564	(234)	ADDRESS	4	CVTASCBH	"V(IEAMASCB)" - POINTER TO HIGHEST PRIORITY ADDRESS SPACE CONTROL BLOCK (ASCB) ON THE ASCB DISPATCHING QUEUE (HEAD OF ASCB QUEUE) MDC027
568	(238)	ADDRESS	4	CVTASCBL	"V(IEAMASCB)" - POINTER TO LOWEST PRIORITY ASCB ON THE ASCB DISPATCHING QUEUE (MDC339)
572	(23C)	ADDRESS	4	CVTRTMCT	- POINTER TO RECOVERY/TERMINATION CONTROL TABLE
576	(240)	ADDRESS	4	CVTSV60	"V(IEAVSTAG)" - BRANCH ENTRY ADDRESS FOR 24 OR 31 BIT ADDRESSING MODE USERS OF SVC 60. @(DCR854) ENTRY TO A GLUE ROUTINE.
580	(244)	ADDRESS	4	CVTSDMP	"V(IEAVTSGL)" - ADDRESS OF SVC DUMP BRANCH ENTRY POINT @(DCR664)
584	(248)	ADDRESS	4	CVTSCBP	"V(IEAVTSBP)" - ADDRESS OF SCB PURGE RESOURCE MANAGER.
588	(24C)	BITSTRING	4	CVTSDBF	- ADDRESS OF 4K SQA BUFFER USED BY SVC DUMP. HIGH-ORDER BIT OF THIS CVT WORD IS USED AS LOCK TO INDICATE BUFFER IS IN USE MDC035
592	(250)	ADDRESS	4	CVTRTMS	- ADDRESS OF SERVICABILITY LEVEL INDICATOR PROCESSING (SLIP) HEADER (MDC358)
596	(254)	ADDRESS	4	CVTTPIOS	- ADDRESS OF THE TELEPROCESSING I/O SUPERVISOR ROUTINE (TPIOS)
600	(258)	ADDRESS	4	CVTSIC	- BRANCH ADDRESS OF THE ROUTINE TO SCHEDULE SYSTEM INITIALIZED CANCEL
604	(25C)	ADDRESS	4	CVTOPCTP	"V(IRARMCNS)" - ADDRESS OF SYSTEM RESOURCES MANAGER (SRM) CONTROL TABLE MDC043
608	(260)	ADDRESS	4	CVTEXPRO	"V(IEAVEXPR)" - ADDRESS OF EXIT PROLOGUE/TYPE 1 EXIT MDC044
612	(264)	ADDRESS	4	CVTGSMQ	"V(IEAGSMQ)" - ADDRESS OF GLOBAL SERVICE MANAGER QUEUE MDC045
616	(268)	ADDRESS	4	CVTLSMQ	"V(IEALSMQ)" - ADDRESS OF LOCAL SERVICE MANAGER QUEUE MDC046
620	(26C)	BITSTRING	4	CVTRS26C	- RESERVED.
624	(270)	ADDRESS	4	CVTVWAIT	"V(IEAVWAIT)" - ADDRESS OF WAIT ROUTINE MDC048
628	(274)	ADDRESS	4	CVTPARRL	"V(CSVARMGR)" - ADDRESS OF PARTIALLY LOADED DELETE QUEUE.
632	(278)	ADDRESS	4	CVTAPFT	- ADDRESS OF AUTHORIZED PROGRAM FACILITY (APF) TABLE. INITIALIZED BY NIP.
636	(27C)	ADDRESS	4	CVTQCS01	"V(IEAQCS01)" - BRANCH ENTRY ADDRESS TO PROGRAM MANAGER USED BY ATTACH MDC051
640	(280)	SIGNED	4	CVTFQCB	- FORMERLY USED BY ENQ/DEQ. SHOULD ALWAYS BE ZERO. (MDC414)
644	(284)	SIGNED	4	CVTLQCB	- FORMERLY USED BY ENQ/DEQ. SHOULD ALWAYS BE ZERO. (MDC414)
648	(288)	ADDRESS	4	CVTRENQ	"V(IEAVENQ2)" - RESOURCE MANAGER ADDRESS FOR ENQ
652	(28C)	ADDRESS	4	CVTRSPIE	- RESOURCE MANAGER FOR SPIE. @(PCC1076)
656	(290)	ADDRESS	4	CVTLKRMA	"V(IEAVELRM)" - RESOURCE MANAGER ADDRESS FOR LOCK MANAGER.
660	(294)	ADDRESS	4	CVTCSD	- VIRTUAL ADDRESS OF COMMON SYSTEM DATA AREA (CSD). INITIALIZED BY NIP.
664	(298)	ADDRESS	4	CVTDQIQE	"V(IEADQIQE)" - RESOURCE MANAGER FOR EXIT EFFECTORS.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
668	(29C)	ADDRESS	4	CVTRPOST	"V(IEARPOST)" - RESOURCE MANAGER FOR POST.
672	(2A0)	ADDRESS	4	CVT062R1	"V(IGC062R1)" - BRANCH ENTRY TO DETACH MDC060
676	(2A4)	ADDRESS	4	CVTVEAC0	"V(IEAVEAC0)" - ASCBCHAP BRANCH ENTRY MDC061
680	(2A8)	ADDRESS	4	CVTGLMN	"V(GLBRANCH)" - GLOBAL BRANCH ENTRY ADDRESS FOR GETMAIN/FREEMAIN MDC062
684	(2AC)	ADDRESS	4	CVTSPSA	"V(IEAVGWSA)" - POINTER TO GLOBAL WORK/SAVE AREA VECTOR TABLE (WSAG) MDC071
688	(2B0)	ADDRESS	4	CVTWSAL	"V(IEAVWSAL)" - ADDRESS OF TABLE OF LENGTHS OF LOCAL WORK/SAVE AREAS MDC072
692	(2B4)	ADDRESS	4	CVTWSAG	"V(IEAVWSAG)" - ADDRESS OF TABLE OF LENGTHS OF GLOBAL WORK/SAVE AREAS (MDC391)
696	(2B8)	ADDRESS	4	CVTWSAC	"V(IEAVWSAC)" - ADDRESS OF TABLE OF LENGTHS OF CPU WORK/SAVE AREAS MDC074
700	(2BC)	ADDRESS	4	CVTRECRQ	"V(IEAVTRGR)" - ADDRESS OF THE RECORDING REQUEST FACILITY (PART OF RTM1 - CALLED BY RTM2 AND RMS). @(DCR854)
704	(2C0)	ADDRESS	4	CVTASMVT	"V(ASMVT)" - POINTER TO AUXILIARY STORAGE MANAGEMENT VECTOR TABLE (AMVT) (MDC340)
708	(2C4)	ADDRESS	4	CVTIOBP	"V(IDA121CV)" - ADDRESS OF THE BLOCK PROCESSOR CVT (MDC079) YM0029
712	(2C8)	ADDRESS	4	CVTSPOST	"V(IEASPOST)" - POST RESOURCE MANAGER TERMINATION ROUTINE (RMTR) ENTRY POINT MDC085
716	(2CC)	SIGNED	4	CVTRSTWD (0)	- RESTART RESOURCE MANAGEMENT WORD. CONTAINS IDENTIFIER OF USER IF RESTART IS IN USE. OTHERWISE, ZERO.
716	(2CC)	SIGNED	2	CVTRSTCI	- CPU ID OF THE CPU HOLDING THE RESTART RESOURCE.
718	(2CE)	BITSTRING	2	CVTRSTRI	- IDENTIFIER OF OWNING ROUTINE
720	(2D0)	ADDRESS	4	CVTFETCH	"V(IEWMSEPT)" - ADDRESS OF ENTRY POINT FOR BASIC FETCH.
724	(2D4)	ADDRESS	4	CVT044R2	"V(IGC044R2)" - ADDRESS OF IGC044R2 IN CHAP SERVICE ROUTINE MDC197
728	(2D8)	ADDRESS	4	CVTPERFM	- ADDRESS OF THE PERFORMANCE WORK AREA. SET BY IGX00018. MDC205
732	(2DC)	ADDRESS	4	CVTDAIR	- ADDRESS OF IKJDAIR, TSO DYNAMIC ALLOCATION INTERFACE ROUTINE (MDC212) YM2225
736	(2E0)	ADDRESS	4	CVTEHDEF	- ADDRESS OF IKJEHDEF, TSO DEFAULT SERVICE ROUTINE. @(PCC0919)
740	(2E4)	ADDRESS	4	CVTEHCIR	- ADDRESS OF IKJEHCIR, TSO CATALOG INFORMATION ROUTINE. @(PCC0919)
744	(2E8)	ADDRESS	4	CVTSSAP	- ADDRESS OF SYSTEM SAVE AREA
748	(2EC)	ADDRESS	4	CVTAIDVT	- POINTER TO APPENDAGE ID VECTOR TABLE
752	(2F0)	ADDRESS	4	CVTIPCDS	"V(IEAVEDR1)" - BRANCH ENTRY FOR DIRECT SIGNAL SERVICE ROUTINE
756	(2F4)	ADDRESS	4	CVTIPCRI	"V(IEAVERI1)" - BRANCH ENTRY FOR REMOTE IMMEDIATE SIGNAL SERVICE ROUTINE
760	(2F8)	ADDRESS	4	CVTIPCRP	"V(IEAVERP1)" - BRANCH ENTRY FOR REMOTE PENDABLE SIGNAL SERVICE ROUTINE
764	(2FC)	ADDRESS	4	CVTPCCAT	- POINTER TO PHYSICAL CCA VECTOR TABLE
768	(300)	ADDRESS	4	CVTLCCAT	- POINTER TO LOGICAL CCA VECTOR TABLE
772	(304)	ADDRESS	4	CVTXSFT	"V(IEAVXSFT)" - ADDRESS OF SYSTEM FUNCTION TABLE CONTAINING LINKAGE INDEX (LX) AND ENTRY INDEX (EX) NUMBERS FOR SYSTEM ROUTINES. (MDC414)
776	(308)	ADDRESS	4	CVTXSTKS	"V(IEAVXSTS)" - ADDRESS OF PCLINK STACK (SAVE=YES) ROUTINE. (MDC395)
780	(30C)	ADDRESS	4	CVTXSTKN	"V(IEAVXSTN)" - ADDRESS OF PCLINK STACK (SAVE=NO) ROUTINE. (MDC395)
784	(310)	ADDRESS	4	CVTXUNSS	"V(IEAVXUNS)" - ADDRESS OF PCLINK UNSTACK (SAVE=YES) ROUTINE. (MDC395)
788	(314)	ADDRESS	4	CVTPWI	- ADDRESS OF THE WINDOW INTERCEPT ROUTINE (MDC104) YM4043
792	(318)	ADDRESS	4	CVTPVBP	- ADDRESS OF THE VIRTUAL BLOCK PROCESSOR (MDC105) YM4043

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
796	(31C)	ADDRESS	4	CVTMFCTL	- POINTER TO MEASUREMENT FACILITY CONTROL BLOCK MDC100
800	(320)	ADDRESS	4	CVTMFRTR	- IF MEASUREMENT FACILITY IS ACTIVE, CONTAINS ADDRESS OF MEASUREMENT FACILITY ROUTINE. OTHERWISE, ADDRESS OF CVTBRET. MDC101
		1...		CVTMFACT	"X'80'" - IF ONE, I/O SUPERVISOR AND TIMER SECOND LEVEL INTERRUPT HANDLER HOOKS BRANCH TO MEASUREMENT FACILITY ROUTER. USED TO SET HIGH-ORDER BIT OF CVTMFRTR. MDC102
804	(324)	ADDRESS	4	CVTVPSIB	"V(IARPSIV)" - BRANCH ENTRY TO PAGE SERVICES
808	(328)	ADDRESS	4	CVTVSI	"V(IARXVIO)" - POINTER DEFINED, BRANCH ENTRY TO VAM SERVICES. @(DCR938)
812	(32C)	ADDRESS	4	CVTEXCL	"V(IECVEXCL)" - ADDRESS POINTER TO THE EXCP TERMINATION ROUTINE.
816	(330)	ADDRESS	4	CVTXUNSN	"V(IEAVXUNN)" - ADDRESS OF PCLINK UNSTACK (SAVE=NO) ROUTINE. (MDC395)
820	(334)	ADDRESS	4	CVTISNBR	"V(ISNBRNCH)" - ENTRY POINT ADDRESS OF DISABLED SERVICE PROCESSOR INTERFACE MODULE
824	(338)	ADDRESS	4	CVTXEXTR	"V(IEAVXEXT)" - ADDRESS OF PCLINK EXTRACT ROUTINE (MDC395)
828	(33C)	ADDRESS	4	CVTMSFRM	"V(IEAVMFRM)" - ADDRESS OF THE PROCESSOR CONTROLLER.
832	(340)	ADDRESS	4	CVTSCPIN	- ADDRESS OF SCPINFO DATA BLOCK. (MDC396)
836	(344)	ADDRESS	4	CVTWSMA	ADDRESS OF WAIT STATE MESSAGE AREA MUST BE DISPLAYABLE BY OPERATOR
840	(348)	ADDRESS	4	CVTRMBR	"V(RMBRANCH)" - ADDRESS OF REGMAIN BRANCH ENTRY. MDC123
844	(34C)	ADDRESS	4	CVTLFRM	"V(FMBRANCH)" - LIST FORMAT FREEMAIN BRANCH ENTRY MDC124 POINT. MDC124
848	(350)	ADDRESS	4	CVTGMBR	"V(GMBRANCH)" - LIST FORMAT GETMAIN BRANCH ENTRY MDC125 POINT. MDC125
852	(354)	ADDRESS	4	CVT0TC0A	- ADDRESS OF TASK CLOSE MODULE MDC128 IFG0TC0A. MDC128
856	(358)	SIGNED	4	CVTRLSTG	- SIZE OF ACTUAL REAL STORAGE ONLINE AT IPL TIME IN 'K'.
860	(35C)	ADDRESS	4	CVTSPFRR	"V(IEAVESPR)" - 'SUPER FRR' ADDRESS (ADDRESS OF FUNCTIONAL RECOVERY ROUTINE ESTABLISHED AT NIP0 TIME TO PROTECT SUPERVISOR CONTROL PROGRAM).
864	(360)	BITSTRING	4	CVTRS360	- RESERVED.
868	(364)	ADDRESS	4	CVTSVT	"V(IEAVESVT)" - ADDRESS POINTER FOR FETCH PROTECTED PSASVT.
872	(368)	ADDRESS	4	CVTIRECM	- ADDRESS OF INITIATOR RESOURCE MDC158 MANAGER. MDC158
876	(36C)	ADDRESS	4	CVTDARCM	- ADDRESS OF DEVICE ALLOCATION MDC159 RESOURCE MANAGER. MDC159
880	(370)	ADDRESS	4	CVT0PT02	"V(IEA0PT02)" - ADDRESS OF POST ENTRY POINT MDC160 IEA0PT02. MDC160
884	(374)	BITSTRING	4	CVTRS374	RESERVED
888	(378)	ADDRESS	4	CVTWTCB	"V(IEAWTCB)" - ADDRESS OF WAIT STATE TCB. MDC164
892	(37C)	ADDRESS	4	CVTVACR	- ACR/VARY CPU CHANNEL RECOVERY MDC178 ROUTINE ADDRESS. ADDRESS FILLED IN MDC178 BY VARY CPU PROCESSOR. MDC178
896	(380)	ADDRESS	4	CVTRECON	- VARY CPU SHUTDOWN ROUTINE ADDRESS. ADDRESS FILLED IN BY VARY CPU PROCESSOR.
900	(384)	ADDRESS	4	CVTGTFR8	"V(AHLVCCR8)" - GENERALIZED TRACE FACILITY (GTF) MDC180 CONTROL REGISTER 8 INITIALIZATION MDC180 ROUTINE ADDRESS. MDC180
904	(388)	ADDRESS	4	CVTVSTOP	"V(IEEVSTOP)" - ADDRESS OF VARY CPU STOP CPU MDC169 ROUTINE. MDC169
908	(38C)	ADDRESS	4	CVTVPSA	- ADDRESS OF COPY OF SYSGEN'ED PSA - MDC170 PLACED HERE BY NIP. MDC170
912	(390)	ADDRESS	4	CVTRMPTT	- ADDRESS OF ISTRAMA1, THE VTAM RESOURCE MANAGER FOR NORMAL AND ABNORMAL TASK TERMINATION. (MDC322)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
916	(394)	ADDRESS	4	CVTRMPMT	- ADDRESS OF ISTRAMA2, THE VTAM RESOURCE MANAGER FOR NORMAL AND ABNORMAL MEMORY TERMINATION. (MDC323)
920	(398)	ADDRESS	4	CVTEXP1	"V(IEAVEXP1)" - ADDRESS OF EXIT PROLOGUE WHICH MDC173 RETURNS TO THE DISPATCHER. MDC173
924	(39C)	ADDRESS	4	CVTCSDRL	- REAL ADDRESS OF COMMON SYSTEM DATA MDC174 AREA (CSD). INITIALIZED BY NIP. MDC174
928	(3A0)	ADDRESS	4	CVTSSRB	"V(IGC07903)" - STATUS STOP SRB ENTRY. MDC175
932	(3A4)	BITSTRING	4	CVTRS3A4	- RESERVED
936	(3A8)	ADDRESS	4	CVTQV1	"V(IEAVEQV1)" - ADDRESS OF QUEUE VERIFICATION FOR MDC181 SINGLE THREADED QUEUES WITH MDC181 HEADERS ONLY. MDC181
940	(3AC)	ADDRESS	4	CVTQV2	"V(IEAVEQV2)" - ADDRESS OF QUEUE VERIFICATION FOR MDC182 SINGLE THREADED QUEUES WITH MDC182 HEADER AND TRAILER. MDC182
944	(3B0)	ADDRESS	4	CVTQV3	"V(IEAVEQV3)" - ADDRESS OF QUEUE VERIFICATION FOR MDC183 DOUBLE THREADED QUEUES. MDC183
948	(3B4)	ADDRESS	4	CVTGSDA	"V(IEAVGSDA)" - ADDRESS OF GLOBAL SYSTEM DUPLEX AREA.
		1...		CVTGSDAB	"X'80'" - IF HIGH-ORDER BIT IS ONE, THERE IS MDC185 A VALID VALUE IN FOLLOWING 31 BITS. MDC185
952	(3B8)	ADDRESS	4	CVTADV	"V(IEAVEADV)" - ADDRESS OF ADDRESS VERIFICATION MDC186 ROUTINE. MDC186
956	(3BC)	ADDRESS	4	CVTTPIO	"V(IGC124)" - ADDRESS OF VTAM TPIO (SVC 124) MDC193 ROUTINE. MDC193
960	(3C0)	BITSTRING	4	CVTRS3C0	- RESERVED
964	(3C4)	ADDRESS	4	CVTEVENT	"V(IEAVEVT2)" - BRANCH ENTRY ADDRESS TO EVENTS (FAST MULTIPLE WAIT ROUTINE). @(DCR738)
968	(3C8)	ADDRESS	4	CVTSSCR	- ADDRESS OF STORAGE SYSTEM CONTROLLER RECOVERY MANAGER CLEANUP ROUTINE (SSC RMCR). (MDC319)
972	(3CC)	ADDRESS	4	CVTCBBR	"V(CBBRANCH)" - BRANCH ENTRY ADDRESS TO GETMAIN/FREEMAIN. (MDC325)
976	(3D0)	ADDRESS	4	CVTEFF02	- ADDRESS OF IKJEFF02, TSO MESSAGE ISSUER SERVICE ROUTINE. (MDC326)
980	(3D4)	ADDRESS	4	CVTLSCH	"V(IEAVESC1)" - ADDRESS OF LOCAL SCHEDULE. (MDC364)
984	(3D8)	ADDRESS	4	CVTCDEQ	- ADDRESS OF PROGRAM MANAGER AVAILBLE CDE QUEUE CONTROL AREA. (MDC369)
988	(3DC)	ADDRESS	4	CVTHSM	- POINTER TO HIERARCHICAL STORAGE MANAGER (HSM) QUEUE CONTROL TABLE. (MDC375)
992	(3E0)	ADDRESS	4	CVTRAC	- ADDRESS OF ACCESS CONTROL CVT. (MDC320)
996	(3E4)	ADDRESS	4	CVTCGK	"V(IARXKEY)" - ADDRESS OF ROUTINE USED TO CHANGE THE KEY OF VIRTUAL PAGES. @(PCC0529)
1000	(3E8)	ADDRESS	4	CVTSRM	"V(IRARMEPS)" - ADDRESS OF ENTRY TABLE FOR SRM, ENTRY TABLE IS INITIALIZED BY NIP10. (MDC367)
1004	(3EC)	ADDRESS	4	CVT0PT0E	"V(IEA0PT0E)" - ENTRY POINT TO IDENTIFY POST EXIT ROUTINES. (MDC334)
1008	(3F0)	ADDRESS	4	CVT0PT03	"V(IEA0PT03)" - POST REINVOCATION ENTRY POINT FROM POST EXIT ROUTINES. (MDC335)
1012	(3F4)	ADDRESS	4	CVTTCASP	- POINTER TO THE TSO/VTAM TERMINAL CONTROL ADDRESS SPACE (TCAS) TABLE. (MDC336)
1016	(3F8)	ADDRESS	4	CVTCTTVT	- CTT VT
1020	(3FC)	ADDRESS	4	CVTJTERM	"V(ILRJTERM)" - POINTER DEFINED ADDRESS OF AUXILIARY STORAGE MANAGEMENT JOB TERMINATION RESOURCE MANAGER.
1024	(400)	ADDRESS	4	CVTRSUME	"V(IEAVRSUH)" - ADDRESS OF RESUME FUNCTION. (MDC414)
1028	(404)	ADDRESS	4	CVTTCTL	"V(IEAVTCTL)" - ADDRESS OF TRANSFER CONTROL (TCTL) FUNCTION. (MDC345)
1032	(408)	ADDRESS	4	CVTRMT	- ADDRESS OF RESOURCE MANAGER CONTROL STRUCTURE (RMT) OWNERSHIP: RTM. SERIALIZATION: NONE.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
1036	(40C)	ADDRESS	4	CVTT6SVC	"V(IEAVET6E)" - ENTRY POINT ADDRESS FOR TYPE 6 SVC EXIT FUNCTION. (MDC347)
1040	(410)	ADDRESS	4	CVTSUSP	"V(IEAVSPND)" - ADDRESS OF SUSPEND ROUTINE. (MDC348)
1044	(414)	ADDRESS	4	CVTIHASU	"V(IEAIHASU)" - ADDRESS OF BIT STRING. (MDC355)
1048	(418)	ADDRESS	4	CVTSFV	"V(IEAVTSFV)" - ADDRESS OF SETFRR ROUTINE ABOVE 16M
1052	(41C)	ADDRESS	4	CVTIDEVN	"V(IOSVDEVN)" - ADDRESS OF DEVICE NUMBER CONVERSION ROUTINE OWNERSHIP: IOS. SERIALIZATION: NONE.
1056	(420)	ADDRESS	4	CVTSMF83	- ADDRESS OF BRANCH ENTRY TO SMF SVC 83. (MDC378)
1060	(424)	ADDRESS	4	CVTSMFSP	"V(IEASMFSP)" - ADDRESS OF SMF SUSPEND HANDLER.
1064	(428)	ADDRESS	4	CVTMSFCB	- ADDRESS OF MAINTENANCE AND SERVICE FACILITY CONTROL BLOCK (MSFCB). (MDC396)
1068	(42C)	ADDRESS	4	CVTHID	"V(IOSVHID)" - ADDRESS OF SCP HOST ID. @(DCR819)
1072	(430)	ADDRESS	4	CVTPSXM	"V(IARPSXM)" - ADDRESS OF CROSS MEMORY PAGE FIX AND PAGE FREE. (MDC414)
1076	(434)	ADDRESS	4	CVTUCBSC	"V(IOSVSUCB)" - ADDRESS OF UCB SCAN SERVICE. @(DCR377)
1080	(438)	ADDRESS	4	CVTTPUR	- DDR QUEUE OF TAPE UNIT-RECORD SWAP REQUESTS.
1084	(43C)	ADDRESS	4	CVTDPUR	- DDR QUEUE OF DASD SWAP REQUESTS.
1088	(440)	ADDRESS	4	CVTTRPOS	- DDR QUEUE OF TAPES TO BE REPRESENTED.
1092	(444)	ADDRESS	4	CVTRESTX	"V(IEAVERX1)" - VIRTUAL ADDRESS OF TEXT TO BE PLACED ON CONSOLE FRAME.
1096	(448)	SIGNED	2	CVTXCPCT	- MAXIMUM EXCP COUNT PER ADDRESS SPACE.
1098	(44A)	SIGNED	2	CVTCALL	- A BASSM 14,15 INSTRUCTION. POINTER USED VIA AN EXECUTE INSTRUCTION TO BRANCH TO USERS EXITS
1100	(44C)	ADDRESS	4	CVTVFIND	"V(CSVVFIND)" - THE POINTER TO VIRTUAL FETCH BUILD AND FIND ROUTINE.
1104	(450)	ADDRESS	4	CVTVFGET	"V(CSVVFGET)" - THE POINTER TO VIRTUAL FETCH GET ROUTINE.
1108	(454)	ADDRESS	4	CVTVFMEM	RESERVED. THIS FIELD IS NO LONGER USED. ANYONE USING IT AS A POINTER WILL PROGRAM CHECK
1112	(458)	ADDRESS	4	CVTVFCB	- THE POINTER TO VIRTUAL FETCH INTERNAL CONTROL BLOCK IN CSA, INITIALIZED TO ZERO AND SET TO NON-ZERO VALUE BY VIRTUAL FETCH INITIALIZATION ROUTINE.
1116	(45C)	ADDRESS	4	CVTPGSER	"V(IARPIBR)" - POINTER DEFINED ADDRESS OF ENTRY TO PAGE SERVICES (FIX,FREE,LOAD, OUT,RLSE,ANYWHER).
1120	(460)	ADDRESS	4	CVTTSKI	"V(IGVSTSKI)" - POINTER DEFINED ADDRESS OF TASK MANAGEMENT/STORAGE MANAGEMENT INTERFACE ROUTINE.
1124	(464)	ADDRESS	4	CVTCPGUB	"V(IGVCPGUB)" - POINTER DEFINED ADDRESS OF CPOOL GET UNCONDITIONAL BRANCH ENTRY ROUTINE.
1128	(468)	ADDRESS	4	CVTCPGUP	"V(IGVCPGUP)" - POINTER DEFINED ADDRESS OF CPOOL GET UNCONDITIONAL PC-ENTRY ROUTINE.
1132	(46C)	ADDRESS	4	CVTCPGTC	"V(IGVCPGTC)" - POINTER DEFINED ADDRESS OF GET UNCONDITIONAL ROUTINE.
1136	(470)	ADDRESS	4	CVTCPFRE	"V(IGVCPFRE)" - POINTER DEFINED ADDRESS OF CPOOL FREE ROUTINE.
1140	(474)	ADDRESS	4	CVTSLIST	"V(IGVSLIST)" - POINTER DEFINED ADDRESS OF VSM LIST SERVICE.
1144	(478)	ADDRESS	4	CVTSREGN	"V(IGVSREGN)" - POINTER DEFINED ADDRESS OF VSM REGION SIZE.
1148	(47C)	ADDRESS	4	CVTSLOC	"V(IGVSLOC)" - POINTER DEFINED ADDRESS OF VSM LOCATOR SERVICE.
1152	(480)	ADDRESS	4	CVTCPBDB	"V(IGVCPBDB)" - POINTER DEFINED ADDRESS OF CPOOL BUILD ENTRY ROUTINE.
1156	(484)	ADDRESS	4	CVTCPDLB	"V(IGVCPDLB)" - POINTER DEFINED ADDRESS OF CPOOL DELETE BRANCH ENTRY ROUTINE.
1160	(488)	ADDRESS	4	CVTDOFFS	- STARTING REAL ADDRESS OF DAT-OFF NUCLEUS.
1164	(48C)	ADDRESS	4	CVTDOFFE	- ENDING REAL ADDRESS OF DAT-OFF NUCLEUS.
1168	(490)	ADDRESS	4	CVTRCEP	"V(IARMRRCE)" - ADDRESS OF THE RSM CONTROL AND ENUMERATION AREA.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
1172	(494)	ADDRESS	4	CVTCPGUS	"V(IGVCPGUS)" - ADDRESS OF CPOOL GET UNCONDITIONAL PC-ENTRY ROUTINE WHICH SAVES SECONDARY ASID STATUS. @(DCR722)
1176	(498)	ADDRESS	4	CVTGRRGN	"V(IGVGRRGN)" - POINTER DEFINED ADDRESS OF GET REAL REGION ROUTINE.
1180	(49C)	ADDRESS	4	CVTGVRGN	"V(IGVGVRGN)" - POINTER DEFINED ADDRESS OF GET VIRTUAL REGION ROUTINE.
1184	(4A0)	BITSTRING	1	CVTIONLV	- DEFAULT VALUE OF IOS LEVEL. @(PCC0461)
1185	(4A1)	BITSTRING	3	CVTRS4A1	- RESERVED

Comment

EXIT CODE FOR NORMAL AND/OR ABNORMAL END APPENDAGES FOR I/O DRIVERS.

End of Comment

1190	(4A6)	BITSTRING	2		- RETURN VIA A BSM.
1192	(4A8)	BITSTRING	4	CVTFUNC	- Reserved for solution/offering use. Must be zero for full function MVS.
		1...		CVTSOLN	"X'80'" - If high order bit is on, this is not a full function MVS system, but rather, a solution/offering.
1196	(4AC)	ADDRESS	4	CVTSMEXT	- ADDRESS OF STORAGE MAP EXTENSION.
1200	(4B0)	ADDRESS	4	CVTNUCMP	- ADDRESS OF NUCLEUS MAP.
1204	(4B4)	BITSTRING	1	CVTXAFL	- FLAG BYTE FOR MVS/XA PROCESSING. @(PCC3762)
		1...		CVTCSRIM	"X'80'" - EXPLICIT LOAD PROCESSING REQUIRED FOR CONTENTS SUPERVISOR RIM.
1205	(4B5)	BITSTRING	3	CVTRS4B5	- RESERVED
1208	(4B8)	ADDRESS	4	CVTVTAM	- ADDRESS OF VTAM COMMAND PROCESSOR (ISTCFF3D). @(DCR642)
1212	(4BC)	ADDRESS	4	CVTSPIP	- ADDRESS OF RTM INTERFACE TO RETURN PROGRAM MASK TO CONTENTS SUPERVISOR,(ON SPIE/ESPIE).
1216	(4C0)	ADDRESS	4	CVTCKRAS (0)	- OLD NAME FOR CVTDFA FIELD.
1216	(4C0)	ADDRESS	4	CVTDFA	"V(DFAIDTAB)" - ADDRESS OF DFP ID TABLE, MAPPED BY THE DFA. OWNERSHIP: DFP.
1220	(4C4)	ADDRESS	4	CVTNVT0	"V(IEAVNVT0)" - ADDRESS OF DATA IN DAT-ON NUCLEUS
1224	(4C8)	ADDRESS	4	CVTCSOMF	- OWNER OF CHANNEL MEASUREMENT FACILITY. @(DCR1020)
1228	(4CC)	ADDRESS	4	CVTCSOAL	- OWNER OF ADDRESS LIMIT FACILITY.
1232	(4D0)	ADDRESS	4	CVTICHPT	- ADDRESS OF THE INSTALLED CHANNEL PATH TABLE. @(DCR719)
1236	(4D4)	ADDRESS	4	CVTCSOCR	- CHANNEL SUBSYSTEM OWNER - CHANNEL PATH RESET FACILITY. @(DCR719)
1240	(4D8)	ADDRESS	4	CVTCSOCS	- CHANNEL SUBSYSTEM OWNER - CHANNEL PATH STATUS FACILITY. @(DCR719)
1244	(4DC)	ADDRESS	4	CVTLLTA	- LINK LIST TABLE ADDRESS. @(DCR719)
1248	(4E0)	ADDRESS	4	CVTDCQA	- ADDRESS OF DEVICE CLASS QUEUE
1252	(4E4)	ADDRESS	4	CVTUCBA	- ADDRESS OF THE FIRST UCB IN THE CHAIN OF UCB'S. @(DCR719)
1256	(4E8)	ADDRESS	4	CVTVESTU	"V(IEAVESTU)" - ADDRESS OF THE ENTRY POINT OF THE SVC UPDATE ROUTINE. @(DCR825)
1260	(4EC)	ADDRESS	4	CVTNUCLU	"V(IEAVENLU)" - ADDRESS TO SUPPORT THE NUCLEUS MAP LOOKUP ROUTINE. @(DCR892)
1264	(4F0)	BITSTRING	16	CVTOSLVL (0)	SYSTEM LEVEL INDICATORS The presence of certain hardware functions is indicated within the SCCB (mapped by macro IHASCCB, pointed to by CVTSCPIN). The presence of other hardware functions can be found within CVT field CVTFLAGS2.
1264	(4F0)	BITSTRING	1	CVTOSLV0	BYTE 0 OF CVTOSLVL
		1...		CVTH3310	"X'80'" HBB3310 FUNCTIONS ARE PRESENT
		1...		CVTESA	"X'80'" ESA/370 IS SUPPORTED
		1...		CVTXAX	"X'80'" ESA/370 IS SUPPORTED (XAX - OLD NAME)
		.1..		CVTH4420	"X'40'" HBB4420 FUNCTIONS ARE PRESENT.
		..1.		CVTJ3313	"X'20'" JBB3313 FUNCTIONS ARE PRESENT
		...1		CVTJ3311	"X'10'" JBB3311 FUNCTIONS ARE PRESENT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		CVTHIPER	"X'10'" HIPERSPACES ARE SUPPORTED
		.... 1...		CVTH4410	"X'08'" HBB4410 FUNCTIONS ARE PRESENT.
		.... 1...		CVTLKR	"X'08'" SPIN LOCK RESTRUCTURE INDICATOR.
		.... 1...		CVTUCBSV	"X'08'" UCB SERVICES INSTALLED.
		.... .1..		CVTCADS	"X'04'" SCOPE=COMMON DATA SPACES SUPPORTED
		.... ..1.		CVTCRPTL	"X'02'" ENCRYPTION ASYMMETRIC FEATURE IS SUPPORTED
		1		CVTJ4422	"X'01'" JBB4422 FUNCTIONS ARE PRESENT
1265	(4F1)	BITSTRING	1	CVTOSLV1	BYTE 1 OF CVTOSLVL
		1...		CVTH4430	"X'80'" HBB4430 FUNCTIONS ARE PRESENT
		1...		CVTDYAPF	"X'80'" DYNAMIC APF, THROUGH CSVAPF, PRESENT
		.1..		CVTWLM	"X'40'" WORKLOAD MANAGER IS INSTALLED
		..1.		CVTH5510	"X'20'" HBB5510 FUNCTIONS ARE PRESENT
		..1.		CVTDYNEX	"X'20'" CSVDYNEX FOR DYNAMIC EXITS IS PRESENT
		...1		CVTH5520	"X'10'" HBB5520 FUNCTIONS ARE PRESENT
		...1		CVTENCLV	"X'10'" ENCLAVES FUNCTION IS PRESENT
		.... 1...		CVTJ5522	"X'08'" JBB5522 FUNCTIONS ARE PRESENT
		.... .1..		CVTH5530	"X'04'" HBB6603 FUNCTIONS ARE PRESENT
		.... .1..		CVTH6603	"X'04'" HBB6603 FUNCTIONS ARE PRESENT
		.... .1..		CVTOS390_010300	"X'04'" OS/390 R3
		.... .1..		CVTOS390_R3	"X'04'" OS/390 R3
		.... .1..		CVTDYNL	"X'04'" Dynamic LNKLST, via CSVDYNL, is present
		.... ..1.		CVTH6601	"X'02'" OS/390 release 1
		.... ..1.		CVTOS390	"X'02'" OS/390 release 1
		.... ..1.		CVTOS390_010100	"X'02'" OS/390 R1
		.... ..1.		CVTOS390_R1	"X'02'" OS/390 R1
		.... ..1.		CVTPRDED	"X'02'" Product enable/disable (IFAEDxxx) is present
		1		CVTJ6602	"X'01'" OS/390 release 2
		1		CVTOS390_010200	"X'01'" OS/390 R2
		1		CVTOS390_R2	"X'01'" OS/390 R2
		1		CVTPARMC	"X'01'" Logical Parmlib Service is available via IEFPRMLB.
1266	(4F2)	BITSTRING	1	CVTOSLV2	BYTE 2 OF CVTOSLVL
		1...		CVTOS390_010400	"X'80'" OS/390 R4
		1...		CVTOS390_020400	"X'80'" OS/390 R4
		1...		CVTOS390_R4	"X'80'" OS/390 R4
		1...		CVTJ6604	"X'80'" OS/390 R4
		1...		CVTDYLPA	"X'80'" Dynamic LPA (CSVDYLPA) available
		1...		CVTRTLS	"X'80'" Runtime Library Services (CSVRTLS)
		.1..		CVTOS390_020500	"X'40'" OS/390 R5
		.1..		CVTOS390_R5	"X'40'" OS/390 R5
		.1..		CVTH6605	"X'40'" OS/390 R5
		..1.		CVTOS390_020600	"X'20'" OS/390 R6
		..1.		CVTOS390_R6	"X'20'" OS/390 R6
		..1.		CVTH6606	"X'20'" OS/390 R6
		...1		CVTBFP	"X'10'" Binary Floating Point support (simulated unless CVTBFPH is on)
		.... 1...		CVTOS390_020700	"X'08'" OS/390 R7
		.... 1...		CVTOS390_R7	"X'08'" OS/390 R7
		.... 1...		CVTJ6607	"X'08'" OS/390 R7
		.... .1..		CVTOS390_020800	"X'04'" OS/390 R8
		.... .1..		CVTOS390_R8	"X'04'" OS/390 R8
		.... .1..		CVTH6608	"X'04'" OS/390 R8
		.... ..1.		CVTOS390_020900	"X'02'" OS/390 R9
		.... ..1.		CVTOS390_R9	"X'02'" OS/390 R9

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		CVTJ6609	"X'02'" OS/390 R9
		.... ..1.		CVTH6609	"X'02'" OS/390 R9
		1		CVTOS390_021000	"X'01'" OS/390 R10
		1		CVTOS390_R10	"X'01'" OS/390 R10
		1		CVTH7703	"X'01'" OS/390 R10
		Comment			
		VTOSLV3 DC XL1'FF' BYTE 3 OF CVTOSLVL			
		End of Comment			
1267	(4F3)	BITSTRING	1	CVTOSLV3	BYTE 3 OF CVTOSLVL
		1...		CVTPAUSE	"X'80'" Pause/Release services are present
		.1..		CVTPAUS2	"X'40'" IEAVAPE2 and related services, and Ownership options.
		..1.		CVTZOS	"X'20'" z/OS V1R1
		..1.		CVTZOS_010100	"X'20'" z/OS V1R1
		..1.		CVTZOS_V1R1	"X'20'" z/OS V1R1
		..1.		CVTJ7713	"X'20'" JBB7713
		..1.		CVTLPARC	"X'20'" LPAR Clustering is present.
		...1		CVTZOS_010200	"X'10'" z/OS V1R2
		...1		CVTZOS_V1R2	"X'10'" z/OS V1R2
		...1		CVTH7705	"X'10'" HBB7705
		...1		CVTV64	"X'10'" 64-bit virtual services are present. You should ensure FLCARCH (in IHAPSA) is non-zero before using
		.... 1...		CVTZOS_010300	"X'08'" z/OS V1R3
		.... 1...		CVTZOS_V1R3	"X'08'" z/OS V1R3
		.... 1...		CVTH7706	"X'08'" HBB7706
		.... .1..		CVTZOS_010400	"X'04'" z/OS V1R4
		.... .1..		CVTZOS_V1R4	"X'04'" z/OS V1R4
		.... .1..		CVTH7707	"X'04'" HBB7707
		.... ..1.		CVTZOS_010500	"X'02'" z/OS V1R5
		.... ..1.		CVTZOS_V1R5	"X'02'" z/OS V1R5
		.... ..1.		CVTH7708	"X'02'" HBB7708
		1		CVTZOS_010600	"X'01'" z/OS V1R6
		1		CVTZOS_V1R6	"X'01'" z/OS V1R6
		1		CVTH7709	"X'01'" HBB7709
1268	(4F4)	BITSTRING	1	CVTOSLV4	BYTE 4 OF CVTOSLVL
		1...		CVTCSRSI	"X'80'" CSRSI service is available
		.1..		CVTUNICS	"X'40'" Unicode callable services available
		..1.		CVTCSRUN	"X'20'" CSRUNIC callable service available
		...1		CVTILM	"X'10'" IBM License Manager functions are present
		.... 1...		CVTALRS	"X'08'" ASN-and-LX-Reuse architecture is supported. It might not be enabled. See CVTALR.
		.... ..1.		CVTZIIP	"X'02'" zIIP support is present
		.... ..1.		CVTSUP	"X'02'" zIIP support is present
		1		CVTIFAR	"X'01'" IFA routine is present
1269	(4F5)	BITSTRING	1	CVTOSLV5	BYTE 5 OF CVTOSLVL
		1...		CVTZOSE	"X'80'" z/OS.e
		1...		CVTZOSAS	"X'80'" z/OS.e
		1...		CVTPUMA	"X'80'" z/OS.e
		.1..		CVTZOS_010700	"X'40'" z/OS V1R7
		.1..		CVTZOS_V1R7	"X'40'" z/OS V1R7
		.1..		CVTH7720	"X'40'" HBB7720
		..1.		CVTZOS_010800	"X'20'" z/OS V1R8
		..1.		CVTZOS_V1R8	"X'20'" z/OS V1R8

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
		..1.		CVTH7730	"X'20'" HBB7730
1270	(4F6)	BITSTRING	1	CVTOSLV6	BYTE 6 OF CVTOSLVL
1271	(4F7)	BITSTRING	1	CVTOSLV7	BYTE 7 OF CVTOSLVL
1272	(4F8)	BITSTRING	1	CVTOSLV8	BYTE 8 OF CVTOSLVL
1273	(4F9)	BITSTRING	1	CVTOSLV9	BYTE 9 OF CVTOSLVL
1274	(4FA)	BITSTRING	1	CVTOSLVA	BYTE 10 OF CVTOSLVL
1275	(4FB)	BITSTRING	1	CVTOSLVB	BYTE 11 OF CVTOSLVL
1276	(4FC)	BITSTRING	1	CVTOSLVC	BYTE 12 OF CVTOSLVL
1277	(4FD)	BITSTRING	1	CVTOSLVD	BYTE 13 OF CVTOSLVL
1278	(4FE)	BITSTRING	1	CVTOSLVE	BYTE 14 OF CVTOSLVL
1279	(4FF)	BITSTRING	1	CVTOSLVF	BYTE 15 OF CVTOSLVL

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CVTVSTGX	
0	(0)	SIGNED	4	CVTBLDLS	- RESERVED - WAS STARTING ADDRESS OF BLDL LIST. MUST BE ZERO NOW.
4	(4)	SIGNED	4	CVTBLDLE	- RESERVED - WAS ENDING ADDRESS OF BLDL LIST. MUST BE ZERO NOW.
8	(8)	ADDRESS	4	CVTMLPAS	- STARTING VIRTUAL ADDRESS OF MLPA.
12	(C)	ADDRESS	4	CVTMLPAE	- ENDING VIRTUAL ADDRESS OF MLPA.
16	(10)	ADDRESS	4	CVTFLPAS	- STARTING VIRTUAL ADDRESS OF FLPA.
20	(14)	ADDRESS	4	CVTFLPAE	- ENDING VIRTUAL ADDRESS OF FLPA.
24	(18)	ADDRESS	4	CVTPLPAS	- STARTING VIRTUAL ADDRESS OF PLPA.
28	(1C)	ADDRESS	4	CVTPLPAE	- ENDING VIRTUAL ADDRESS OF PLPA.
32	(20)	ADDRESS	4	CVTRWNS	- STARTING VIRTUAL ADDRESS OF READ-WRITE NUCLEUS. (MDCXXX)
36	(24)	ADDRESS	4	CVTRWNE	- ENDING VIRTUAL ADDRESS OF READ-WRITE NUCLEUS. (MDCXXX)
40	(28)	ADDRESS	4	CVTRONS	- STARTING VIRTUAL ADDRESS OF READ-ONLY NUCLEUS. (MDCXXX)
44	(2C)	ADDRESS	4	CVTRONE	- ENDING VIRTUAL ADDRESS OF READ-ONLY NUCLEUS. (MDCXXX)
48	(30)	ADDRESS	4	CVTERWNS	- STARTING EXTENDED ADDRESS READ/WRITE NUCLEUS. @(DCR658)
52	(34)	ADDRESS	4	CVTERWNE	- ENDING EXTENDED ADDRESS READ/WRITE NUCLEUS. @(DCR658)
56	(38)	ADDRESS	4	CVTEPLPS	- STARTING VIRTUAL ADDRESS OF EXTENDED PLPA.
60	(3C)	ADDRESS	4	CVTEPLPE	- ENDING VIRTUAL ADDRESS OF EXTENDED PLPA.
64	(40)	ADDRESS	4	CVTEFLPS	- STARTING VIRTUAL ADDRESS OF EXTENDED FLPA.
68	(44)	ADDRESS	4	CVTEFLPE	- ENDING VIRTUAL ADDRESS OF EXTENDED FLPA.
72	(48)	ADDRESS	4	CVTEMLPS	- STARTING VIRTUAL ADDRESS OF EXTENDED MLPA.
76	(4C)	ADDRESS	4	CVTEMLPE	- ENDING VIRTUAL ADDRESS OF EXTENDED MLPA.

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CVTXTNT1	
0	(0)	ADDRESS	4	CVTFACHN	- ADDRESS OF CHAIN OF DCB FIELD AREAS (ISAM). ICB421
4	(4)	BITSTRING	8	CVT1R004	RESERVED

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CVTXTNT2	
0	(0)	BITSTRING	4	CVT2R000	RESERVED
4	(4)	CHARACTER	1	CVTNUCLS	- IDENTIFICATION OF THE NUCLEUS MEMBER NAME
5	(5)	BITSTRING	1	CVTFLGBT	- FLAG BYTE (OS/VS1) (MDC301)
		1...		CVTNPE	"X'80'" - INDICATES NON-PAGING ENVIRONMENT (VM HANDSHAKING) (OS/VS1) (MDC302)

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		CVTVME	"X'40'" - INDICATES MACHINE IS OPERATING IN VM ENVIRONMENT (OS/VS1) (MDC303)
		..1.		CVTBAH	"X'20'" - INDICATES THAT THE VM/370 - OS/VS1 BTAM AUTOPOLL HANDSHAKE IS OPERATIONAL (OS/VS1) (MDC356)
		...1		CVTUNDVM	"X'10'" - Running under VM (this is not the same as running in VM)
6	(6)	BITSTRING	2	CVTIOCID	- EBCDIC IDENTIFIER OF THE ACTIVE I/O CONFIGURATION SPECIFIED BY THE OPERATOR
8	(8)	ADDRESS	4	CVTDEBVR	"V(IFGDEBVR)" - ADDRESS OF BRANCH ENTRY POINT OF DEB VALIDITY CHECK ROUTINE (ICB380) XM9028
12	(C)	ADDRESS	4	CVTCVAF	- POINTER TO THE CVAF TABLE, WHICH CONTAINS THE CVAF BRANCH ENTRY ADDRESS AND NEXT VIB ADDRESS. (MDC410)
16	(10)	ADDRESS	4	CVTMMVT	"V(ICYMMVTC)" ADDRESS OF THE MEDIA MANAGER VECTOR TABLE (MDC410)
20	(14)	ADDRESS	4	CVTNCVP	ADDRESS OF CSA BUFFER POOL - USED BY NETWORK MANAGEMENT FACILITY (NMF)
24	(18)	ADDRESS	4	CVTQID (0)	- SAME AS CVTQIDA BELOW ICB381
24	(18)	BITSTRING	1		- RESERVED - FIRST BYTE OF CVTQID
25	(19)	ADDRESS	3	CVTQIDA	- ADDRESS OF QUEUE IDENTIFICATION (QID) TABLE PREFIX ICB381
28	(1C)	ADDRESS	4	CVTOLTEP	- POINTER TO CONTROL BLOCK CREATED BY SVC 59 TO POINT TO PSEUDO-DEB'S
32	(20)	BITSTRING	4	CVT2R020	- RESERVED
36	(24)	ADDRESS	4	CVTAVVT (0)	ADDRESS OF AVM CONTROL BLOCK OWNERSHIP: AVM SERIALIZATION: CS
		1...		CVTAVIN	"X'80'" INDICATES AVM INSTALLED
36	(24)	BITSTRING	4		
40	(28)	ADDRESS	4	CVTCCVT	- ADDRESS OF CRYPTOGRAPHIC FACILITY CVT (MDC370)
44	(2C)	ADDRESS	4	CVTSKTA	- ADDRESS OF STORAGE KEY TABLE (VM HANDSHAKING) (OS/VS1) (MDC304)
48	(30)	ADDRESS	4	CVTICB	- ADDRESS OF MASS STORAGE SYSTEM (MSS) CONTROL BLOCK (MDC305)
52	(34)	BITSTRING	1	CVTFBYT1	- FLAG BYTE
		1...		CVTRDE	"X'80'" - RELIABILITY DATA EXTRACTOR INDICATOR OWNERSHIP: DFP. SERIALIZATION: NONE.
53	(35)	BITSTRING	3	CVT2R035	- RESERVED

Comment

THE FOLLOWING FIELD CONTAINS THE OFFSET VALUE NEEDED TO CORRECT THE TOD VALUE TO THE CORRECT LOCAL DATE AND TIME OF DAY. IT IS SIMILAR TO CVTTZ EXCEPT THAT IT IS A DOUBLEWORD VALUE PLUS IT ALSO CONTAINS THE DATE CORRECTION AS WELL AS THE TIME CORRECTION VALUE.

End of Comment

56	(38)	DBL WORD	8	CVTLDTO (0)	LOCAL TIME/DATE OFFSET
56	(38)	SIGNED	4	CVTLDTOL	HIGH WORD
60	(3C)	SIGNED	4	CVTLDTOR	LOW WORD
64	(40)	ADDRESS	4	CVTATCVT	- POINTER TO VTAM'S CVT
		1...		CVTATACT	"X'80'" IF ON, VTAM IS ACTIVE MDC081
68	(44)	BITSTRING	4	CVT2R044	- RESERVED
72	(48)	SIGNED	4	CVTBCLMT	- NUMBER OF 130-BYTE RECORDS SET ASIDE FOR BROADCAST MESSAGES
76	(4C)	SIGNED	4	CVT2R04C	RESERVED
80	(50)	DBL WORD	8	CVTLSO (0)	LEAP SECOND OFFSET IN TOD FORMAT
80	(50)	SIGNED	4	CVTLSOH	HIGH WORD
84	(54)	SIGNED	4	CVTLSOL	LOW WORD
88	(58)	BITSTRING	44	CVT2R058	RESERVED

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

Comment

END OF CVT

End of Comment

CVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CVTABEND	C8		CVTCPGTC	46C	
CVTADV	3B8		CVTCPGUB	464	
CVTAIDVT	2EC		CVTCPGUP	468	
CVTALR	179	2	CVTCPGUS	494	
CVTALRS	4F4	8	CVTCRAS	1FC	
CVTAMFF	108	0	CVTCRMN	1F8	
CVTAPF	144		CVTCRPTL	4F0	2
CVTAPFA	145		CVTCSD	294	
CVTAPFT	278		CVTCSDRL	39C	
CVTAPG	18F	7	CVTCSOAL	4CC	
CVTAPR	B6	40	CVTCSOCR	4D4	
CVTAPTHR	B7	8	CVTCSOCS	4D8	
CVTAQAVB	F1		CVTCSOMF	4C8	
CVTAQAVT	F0		CVTCSPIE	1CC	
CVTAQTOP	224		CVTCSRIM	4B4	80
CVTASCBH	234		CVTCSRSI	4F4	80
CVTASCBL	238		CVTCSRT	220	
CVTASCII	B6	2	CVTCSRUN	4F4	20
CVTASCRF	1B4		CVTCSTR	178	4
CVTASCRL	1B8		CVTCTIMS	B7	40
CVTASMVT	2C0		CVTCTLFG	18E	10
CVTASVT	22C		CVTCTTVT	3F8	
CVTATACT	40	80	CVTCUCB	64	
CVTATCVT	40		CVTCUSE	178	20
CVTAUSCB	C		CVTCVAF	C	
CVTAUTHL	1E4		CVTCVT	60	40C3E5E3
CVTAVIN	24	80	CVTDAIR	2DC	
CVTAVVT	24		CVTDAIRX	90	
CVTBAH	5	20	CVTDARCM	36C	
CVTBCLMT	48	0	CVTDATE	38	0
CVTBFP	4F2	10	CVTDCB	74	9B
CVTBFPH	179	10	CVTDCBA	75	
CVTBLDCP	1E8		CVTDCQA	4E0	
CVTBLDLE	4	0	CVTDDR	B6	20
CVTBLDLS	0	0	CVTDEBVR	8	
CVTBRET	52		CVTDELCP	1F4	
CVTBSM2	1DE	B02	CVTDFA	4C0	
CVTBTERM	34		CVTDICOM	168	80
CVTBUF	10		CVTDIRST	168	0
CVTCADS	4F0	4	CVTDMSR	110	
CVTCALL	44A		CVTDMSRA	111	
CVTCBBR	3CC		CVTDMSRF	110	0
CVTCBSP	100		CVTDOFFE	48C	
CVTCCH	B6	80	CVTDOFFS	488	
CVTCCVT	28		CVTDPUR	43C	
CVTCDEQ	3D8		CVTDQIQE	298	
CVTCGK	3E4		CVTDRMOD	18E	8
CVTCKRAS	4C0		CVTDSSAC	1D6	0
CVTCMPSC	179	80	CVTDSTAT	18E	10
CVTCMPSH	179	40	CVTDYAPF	4F1	80
CVTCPBDB	480		CVTDYLPA	4F2	80
CVTCPDLB	484		CVTDYNEX	4F1	20
CVTCPFRE	470		CVTDYNL	4F1	4

Name	Hex Offset	Hex Value
CVTECVT	8C	
CVTEFF02	3D0	
CVTEFLPE	44	
CVTEFLPS	40	
CVTEHCIR	2E4	
CVTEHDEF	2E0	
CVTEMLPE	4C	
CVTEMLPS	48	
CVTENCLV	4F1	10
CVTENFCT	C0	
CVTEORM	138	
CVTEPLPE	3C	
CVTEPLPS	38	
CVTERWNE	34	
CVTERWNS	30	
CVTESA	4F0	80
CVTESAME	17A	80
CVTEVENT	3C4	
CVTEXCL	32C	
CVTEXIT	50	
CVTEXPRO	260	
CVTEXP1	398	
CVTEXSNL	18C	0
CVTEXSNR	188	
CVTEXT1	FC	
CVTEXT2	148	
CVTEXT2A	149	
CVTE51GN	1AC	80
CVTE51LN	1AC	40
CVTFACHN	0	
CVTFBOSV	84	
CVTFBYT1	34	0
CVTFETCH	2D0	
CVTFIX	-100	
CVTFLAGS	178	
CVTFLAG1	178	0
CVTFLAG2	179	80
CVTFLAG3	17A	0
CVTFLAG4	17B	0
CVTFLGBT	5	0
CVTFLGCS	5C	
CVTFLGC0	5C	0
CVTFLGC1	5D	0
CVTFLPAE	14	
CVTFLPAS	10	
CVTFP	B7	4
CVTFQCB	280	0
CVTFRAS	204	
CVTFRECL	1F0	
CVTFUNC	4A8	0
CVTGDA	230	
CVTGETCL	1EC	
CVTGETL	15C	
CVTGLMN	2A8	
CVTGMBR	350	
CVTGRRGN	498	
CVTGRSST	1AC	0
CVTGSDA	3B4	
CVTGSDAB	3B4	80
CVTGSMQ	264	
CVTGTF	EC	
CVTGTFA	ED	
CVTGTFAV	EC	80
CVTGTFR8	384	
CVTGTFST	EC	
CVTGTRCE	18E	2
CVTGVRGN	49C	
CVTGVT	1B0	
CVTGXL	118	
CVTHID	42C	
CVTHIPER	4F0	10
CVTHJES	14C	
CVTHJESA	14D	
CVTHSM	3DC	
CVTH3310	4F0	80
CVTH4410	4F0	8
CVTH4420	4F0	40
CVTH4430	4F1	80
CVTH5510	4F1	20
CVTH5520	4F1	10
CVTH5530	4F1	4
CVTH6601	4F1	2
CVTH6603	4F1	4
CVTH6605	4F2	40
CVTH6606	4F2	20
CVTH6608	4F2	4
CVTH6609	4F2	2
CVTH7703	4F2	1
CVTH7705	4F3	10
CVTH7706	4F3	8
CVTH7707	4F3	4
CVTH7708	4F3	2
CVTH7709	4F3	1
CVTH7720	4F5	40
CVTH7730	4F5	20
CVTICB	30	
CVTICHPT	4D0	
CVTICPID	5E	0
CVTIDEVN	41C	
CVTIFAR	4F4	1
CVTIHASU	414	
CVTIHVP	124	
CVTILM	4F4	10
CVTIOBP	2C4	
CVTIOCID	6	0
CVTIONLV	4A0	0
CVTIPCDS	2F0	
CVTIPCRI	2F4	
CVTIPCRP	2F8	
CVTIQD	179	4
CVTIRECM	368	
CVTISNBR	334	
CVTIXAVL	7C	
CVTJESCT	128	
CVTJTERM	3FC	
CVTJ3311	4F0	10
CVTJ3313	4F0	20
CVTJ4422	4F0	1
CVTJ5522	4F1	8
CVTJ6602	4F1	1
CVTJ6604	4F2	80
CVTJ6607	4F2	8
CVTJ6609	4F2	2
CVTJ7713	4F3	20
CVTKPAR	178	1
CVTLCCAT	300	
CVTLDEV	F0	40
CVTLDTO	38	
CVTLDTOL	38	0
CVTLDTOR	3C	0

Name	Hex Offset	Hex Value
CVTLEVL	-2	
CVTLFRM	34C	
CVTLINK	8	
CVTLKR	4F0	8
CVTLKRM	140	
CVTLKRMA	290	
CVTLLCB	24	
CVTLLTA	4DC	
CVTLLTRM	28	
CVTLNKSC	D6	
CVTLPARC	4F3	20
CVTLPDIA	168	
CVTLPDIR	169	
CVTLPDSR	160	
CVTLQCB	284	0
CVTLSCH	3D4	
CVTLSMQ	268	
CVTLSO	50	
CVTLSOH	50	0
CVTLSOL	54	0
CVTMAP	0	100
CVTMAXMP	1DC	1
CVTMCHPR	134	
CVTMDL	-6	
CVTMDLDS	D0	
CVTMFACT	320	80
CVTMFCTL	31C	
CVTMFRTR	320	
CVTMLPAE	C	
CVTMLPAS	8	
CVTMMVT	10	
CVTMSER	94	
CVTMSFCB	428	
CVTMSFRM	33C	
CVTMSLT	3C	
CVTMULNF	5C	80
CVTMVPG	178	10
CVTMVSE	74	80
CVTMVS2	74	1
CVTMZ00	A4	7FFFFFFF
CVTNCVP	14	
CVTNIP	B6	10
CVTNLOG	B7	10
CVTNOMP	18E	4
CVTNPE	5	80
CVTNUCB	80	
CVTNUCLS	4	40
CVTNUCLU	4EC	
CVTNUCMP	4B0	
CVTNUMB	-4	
CVTNVT0	4C4	
CVTNWTCM	F0	20
CVTOLTEP	1C	
CVTOLT0A	1C4	
CVTOPCTP	25C	
CVTOPTA	B6	B2
CVTOPTB	B7	30
CVTOPTE	218	
CVTOSEXT	74	8
CVTOSLVA	4FA	0
CVTOSLVB	4FB	0
CVTOSLVC	4FC	0
CVTOSLVD	4FD	0
CVTOSLVE	4FE	0
CVTOSLVF	4FF	0
CVTOSLVL	4F0	
CVTOSLV0	4F0	FF
CVTOSLV1	4F1	FF
CVTOSLV2	4F2	FF
CVTOSLV3	4F3	BF
CVTOSLV4	4F4	AB
CVTOSLV5	4F5	60
CVTOSLV6	4F6	0
CVTOSLV7	4F7	0
CVTOSLV8	4F8	0
CVTOSLV9	4F9	0
CVTOS390	4F1	2
CVTOS390_R1	4F1	2
CVTOS390_R10	4F2	1
CVTOS390_R2	4F1	1
CVTOS390_R3	4F1	4
CVTOS390_R4	4F2	80
CVTOS390_R5	4F2	40
CVTOS390_R6	4F2	20
CVTOS390_R7	4F2	8
CVTOS390_R8	4F2	4
CVTOS390_R9	4F2	2
CVTOS390_010100		
	4F1	2
CVTOS390_010200		
	4F1	1
CVTOS390_010300		
	4F1	4
CVTOS390_010400		
	4F2	80
CVTOS390_020400		
	4F2	80
CVTOS390_020500		
	4F2	40
CVTOS390_020600		
	4F2	20
CVTOS390_020700		
	4F2	8
CVTOS390_020800		
	4F2	4
CVTOS390_020900		
	4F2	2
CVTOS390_021000		
	4F2	1
CVTOVER	178	8
CVTPARMC	4F1	1
CVTPARRL	274	
CVTPARS	20C	
CVTPATCH	DC	
CVTPAUSE	4F3	80
CVTPAUS2	4F3	40
CVTPCCAT	2FC	
CVTPCNVT	1C	
CVTPERFM	2D8	
CVTPER2	179	8
CVTPGSER	45C	
CVTPLPAE	1C	
CVTPLPAS	18	
CVTPPGMX	1A8	
CVTPRDED	4F1	2
CVTPRLTV	20	
CVTPROD	-28	
CVTPRODI	-20	40404040
CVTPRODN	-28	40404040
CVTPROT	B7	80

Name	Hex Offset	Hex Value
CVTPSXM	430	
CVTPTGT	1D0	
CVTPTRV	120	
CVTPTRV3	13C	
CVTPUMA	4F5	80
CVTPURG	104	
CVTPURGA	105	
CVTPUTL	1BC	
CVTPVBP	318	
CVTPVTP	164	
CVTPWI	314	
CVTQABST	D4	
CVTQCDSR	B8	
CVTQCS01	27C	
CVTQID	18	
CVTQIDA	19	
CVTQLPAQ	BC	
CVTQMSG	10C	
CVTQMWR	B0	
CVTQOCR	AC	
CVTQSAS	200	
CVTQTD00	6C	
CVTQTE00	68	
CVTQUIS	210	
CVTQV1	3A8	
CVTQV2	3AC	
CVTQV3	3B0	
CVTRAC	3E0	
CVTRBCB	16C	
CVTRCEP	490	
CVTRDE	34	80
CVTREAL	11C	
CVTRECON	380	
CVTRECRQ	2BC	
CVTRELNO	-4	
CVTRENQ	288	
CVTRESTX	444	
CVTRLSTG	358	0
CVTRMBR	348	
CVTRMPMT	394	
CVTRMPTT	390	
CVTRMS	E0	
CVTRMT	408	
CVTRNIO	EC	2
CVTRONE	2C	
CVTRONS	28	
CVTRPOST	29C	
CVTRSCN	194	
CVTRSMWD	178	80
CVTRSPIE	28C	
CVTRSTCI	2CC	0
CVTRSTCP	150	0
CVTRSTRI	2CE	0
CVTRSTRS	151	0
CVTRSTWD	2CC	
CVTRSTW2	150	
CVTRSUME	400	
CVTRS0F4	F4	0
CVTRS1AD	1AD	0
CVTRS1D7	1D7	0
CVTRS12C	12C	0
CVTRS170	170	0
CVTRS180	180	0
CVTRS26C	26C	0
CVTRS3A4	3A4	0
CVTRS3C0	3C0	0
CVTRS360	360	0
CVTRS374	374	0
CVTRS4A1	4A1	0
CVTRS4B5	4B5	0
CVTRTLS	4F2	80
CVTRTMCT	23C	
CVTRTMS	250	
CVTRT03	17C	
CVTRWNE	24	
CVTRWNS	20	
CVTSAF	F8	
CVTSCAN	1E0	
CVTSCBP	248	
CVTSCPIN	340	
CVTSDBF	24C	80000000
CVTSDMP	244	
CVTSDRM	21C	
CVTSDTRC	18E	1
CVTSDUMP	110	80
CVTSFR	114	
CVTSFV	418	
CVTSHRVM	1A0	
CVTSIC	258	
CVTSIGPT	1D4	1E
CVTSKTA	2C	
CVTSLID	175	
CVTSLIDA	174	
CVTSLIST	474	
CVTSLOC	47C	
CVTSMCA	C4	
CVTSMEXT	4AC	
CVTSMFEX	1C8	
CVTSMFSP	424	
CVTSMF83	420	
CVTSNAME	154	40404040
CVTSNCTR	B4	0
CVTSOLN	4A8	80
CVTSOPF	179	20
CVTSPD	EC	40
CVTSPDMC	1D5	0
CVTSPDME	E4	
CVTSPFRR	35C	
CVTSPIP	4BC	
CVTSPOST	2C8	
CVTSPSA	2AC	
CVTSPVLK	18D	
CVTSRBRT	1C0	
CVTSREGN	478	
CVTSRM	3E8	
CVTSSAP	2E8	
CVTSSCR	3C8	
CVTSSRB	3A0	
CVTSTB	70	
CVTSTCK	1D8	
CVTSTXU	214	
CVTSUBSP	178	2
CVTSUP	4F4	2
CVTSUSP	410	
CVTSVDCB	54	
CVTSVPRC	178	40
CVTSVT	364	
CVTSV60	240	
CVTSV76M	78	0
CVTSYLK	174	0

Name	Hex Offset	Hex Value
CVTSYLKR	174	0
CVTSYLKS	174	FF
CVTSYSAD	30	
CVTS1EE	208	
CVTTAS	198	
CVTTCASP	3F4	
CVTTCBP	0	
CVTTCMFG	F0	0
CVTTCRDY	F0	80
CVTTCTL	404	
CVTTOD	B7	20
CVTTPC	58	
CVTTPIO	3BC	
CVTTPIOS	254	
CVTTPUR	438	
CVTTRCRM	19C	
CVTTRPOS	440	
CVTTSCE	D8	
CVTTSKI	460	
CVTTVT	9C	
CVTTZ	130	0
CVTT6SVC	40C	
CVTUCBA	4E4	
CVTUCBSC	434	
CVTUCBSV	4F0	8
CVTUDUMP	110	40
CVTUNDVM	5	10
CVTUNICS	4F4	40
CVTUSER	CC	
CVTUSR	EC	4
CVTVACR	37C	
CVTVEAC0	2A4	
CVTVERID	-18	40404040
CVTVESTU	4E8	
CVTVFCB	458	
CVTVFGET	450	
CVTVFIND	44C	
CVTVFMEM	454	
CVTVME	5	40
CVTVPRM	4C	
CVTVPSA	38C	
CVTVPSIB	324	
CVTVPSM	4E	0
CVTVSI	328	
CVTVSS	4C	0
CVTVSTGX	0	
CVTVSTOP	388	
CVTVS1A	B7	2
CVTVS1B	B7	1
CVTVTAM	4B8	
CVTVVMDI	228	
CVTVWAIT	270	
CVTV64	4F3	10
CVTWLM	4F1	40
CVTWSAC	2B8	
CVTWSAG	2B4	
CVTWSAL	2B0	
CVTWSMA	344	
CVTWSPR	EC	20
CVTWTCB	378	
CVTXAFL	4B4	0
CVTXAPG	14	
CVTXAX	4F0	80
CVTXCPCT	448	1F4
CVTXEXTR	338	
CVTXITP	44	
CVTXPFP	B6	1
CVTXSFT	304	
CVTXSTKN	30C	
CVTXSTKS	308	
CVTXTLER	2C	
CVTXTNT1	0	
CVTXTNT2	0	
CVTXUNSN	330	
CVTXUNSS	310	
CVTZARCH	17A	80
CVTZDTAB	40	
CVTZIIP	4F4	2
CVTZOS	4F3	20
CVTZOS_V1R1	4F3	20
CVTZOS_V1R2	4F3	10
CVTZOS_V1R3	4F3	8
CVTZOS_V1R4	4F3	4
CVTZOS_V1R5	4F3	2
CVTZOS_V1R6	4F3	1
CVTZOS_V1R7	4F5	40
CVTZOS_V1R8	4F5	20
CVTZOS_010100		
	4F3	20
CVTZOS_010200		
	4F3	10
CVTZOS_010300		
	4F3	8
CVTZOS_010400		
	4F3	4
CVTZOS_010500		
	4F3	2
CVTZOS_010600		
	4F3	1
CVTZOS_010700		
	4F5	40
CVTZOS_010800		
	4F5	20
CVTZOSAS	4F5	80
CVTZOSE	4F5	80
CVT0DS	88	
CVT0EF00	4	
CVT0EF01	48	
CVT0PT0E	3EC	
CVT0PT01	98	
CVT0PT02	370	
CVT0PT03	3F0	
CVT0SCR1	E8	
CVT0TC0A	354	
CVT0VL00	18	
CVT0VL01	1A4	
CVT040ID	A0	0
CVT044R2	2D4	
CVT062R1	2A0	
CVT1EF00	A8	
CVT1R004	4	0
CVT1SSS	74	40
CVT121TR	B6	4
CVT2R000	0	0
CVT2R020	20	0
CVT2R035	35	0
CVT2R04C	4C	0
CVT2R044	44	0
CVT2R058	58	0
CVT2SPS	74	20

CVT Cross Reference

Name	Hex Offset	Hex Value
CVT4MPS	74	4
CVT4MS1	74	10
CVT6DAT	74	2
CVT8AOS2	74	12

CXSA Heading Information

Common Name: SVC 72 Extended Save Area
Macro ID: IEZVD002
DSECT Name: CXSA
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Main Storage: Yes
Subpool: 245 (231 when IEAVSWCH invokes CNZS1CNF)
Key: 0
Size: CXSA -- X'0041' bytes
Created by: SVC 72 Routines, IEAVSWCH
Pointed to by: N/A
Serialization: N/A
Function: Contains work and save areas for SVC 72 routines.

CXSA Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	65	CXSA	
0	(0)	ADDRESS	4	CSANPTR	PTR TO CSANAME
4	(4)	ADDRESS	4	CSADCBP	FRR WORK, INITIALIZED TO 0
8	(8)	CHARACTER	8	CSANAME	EBCDIC NAME OF MODULE CALLED
16	(10)	CHARACTER	4	CSAUCM	CODE AND UCM PTR
16	(10)	UNSIGNED	1	CSACODE	Failure Reason Code
17	(11)	ADDRESS	3	CSAUCMA	UCME PTR OR CPU ID OR 0
20	(14)	ADDRESS	4	CSACTLM	PTR TO UCM BASE

Comment

FIELDS CSAXA, CSAXB, CSAXC, CSAXD, CSAXE, AND CSAXF ARE FOR THE GENERAL USE OF INDIVIDUAL MODULES. IN THE CASES WHERE MULTIPLE DEFINITIONS ARE MADE OF THESE FIELDS, THE USAGE OF THE NEW DEFINITIONS ARE EXPLAINED

End of Comment

24	(18)	ADDRESS	4	CSAXA	
28	(1C)	ADDRESS	4	CSAXB	
32	(20)	ADDRESS	4	CSAXC	
36	(24)	ADDRESS	4	CSAXD	
40	(28)	ADDRESS	4	CSAXE	
44	(2C)	ADDRESS	4	CSAXF	

Comment

THIS POINT IS THE END OF THE SVC72 PARAMETER LIST. WARNING - The following fields must only be used by Console Failure, never by DIDOCS!

End of Comment

48	(30)	CHARACTER	8	CSASWCN1	Failing Console Name
56	(38)	CHARACTER	8	CSARSV1	Reserved (was CSASWCN2)
64	(40)	BIT(8)	1	CSAFLAG1	FLAG BYTE
		1...		CSARSV2	Reserved (was CSANOBU)
		.1..		CSAXSYSR	HOLDING SYSPLEX RESOURCES
		..1.		CSA_FREE_CXSA	Console Failure routine should free this CXSA
		...1 1111		*	RESERVED

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CXSA Constants

Len	Type	Value	Name	Description
		Comment		
		THE FOLLOWING CONSTANTS ARE SET INTO FIELD CSACODE BY ANY MODULE BEFORE CALLING IEAVSWCH, issuing SVC 72 for Console Failure or invoking CNZS1CNF.		
		End of Comment		
1	DECIMAL	5	CSAIOER	Console had an I/O error
1	DECIMAL	6	CSASWER	Console has a S/W error
1	DECIMAL	9	CSAOPER	Console failed during OPEN
1	DECIMAL	11	CSAABTRM	MCSOPER DEACTIVATE WITH ABTERM
1	DECIMAL	32	CSACFCHP	CONFIG CHP COMMAND
1	DECIMAL	33	CSASFAIL	System failure caused a console to fail
		Comment		
		THE FOLLOWING CONSTANTS WILL BE SET BY IEAVSWCH INTO CSACODE BEFORE CALLING A DSP TO OPEN OR CLOSE A CONSOLE.		
		End of Comment		
1	DECIMAL	0	CSAOPEN	TEST CSACODE FOR OPEN REQUEST, ONLY USED IN DIDOCS
1	DECIMAL	4	CSACLOSE	TEST CSACODE FOR CLOSE REQUEST, ONLY USED IN DIDOCS
		Comment		
		THE FOLLOWING CONSTANT IS USED IN IEAV1443 AND IEECVETW TO INDICATE THAT OPEN OR CLOSE PROCESSING HAS BEEN COMPLETED AND THE X-SYSTEM SERVICE SHOULD BE INVOKED TO UPDATE UCME		
		End of Comment		
1	DECIMAL	255	CSAXSYS	TEST CSACODE FOR X-SYSTEM UPDATE

CXSA Cross Reference

Name	Hex Offset	Hex Value
CSA_FREE_CXSA		
	40	20
CSACODE	10	
CSACTLM	14	
CSADCBP	4	
CSAFLAG1	40	
CSANAME	8	
CSANPTR	0	
CSARSV1	38	
CSARSV2	40	80
CSASWCN1	30	
CSAUCM	10	
CSAUCMA	11	
CSAXA	18	
CSAXB	1C	
CSAXC	20	
CSAXD	24	
CSAXE	28	
CSAXF	2C	
CSAXSYSR	40	40
CXSA	0	

CXT Programming Interface information

Programming Interface information

CXT

End of Programming Interface information

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CXT Heading Information

Common Name: Parameter list for DLF installation exit initialization, query, connect, and disconnect
Macro ID: COFZCXIT
DSECT Name: CXT
Owning Component: Data Lookaside Facility (SC164)
Eye-Catcher ID: CXT
Offset: 0
Length: 3
Storage Attributes: Key: 0
Size: 160 bytes
Created by: COFMCONN, COFMDISC, COFMSCHK
Pointed to by: Register 1 on entry to the DLF Installation exit
Serialization: None
Function: COFZCXIT maps the parameters passed to the DLF installation exit used to control connects and disconnects to shared data objects. The exit is also queried to determine whether a particular data object is ever eligible for connection.
In addition to the above functions, the exit also sets up the data used to control connects and disconnects to shared data objects.

CXT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	0	CXT	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	3	CXTACRO	* Eye catcher 'CXT'
				Comment	
				Constant for CXTACRO	
				End of Comment	
0	(0)	X'C3E7E3'	0	CXTACROC	"C'CXT'" * CXT acronym constant
3	(3)	SIGNED	1	CXTVERS	* Version
				Comment	
				Constant for CXTVERS	
				End of Comment	
		1		CXTVERSC	"X'01'" * CXT version number constant
4	(4)	SIGNED	1	CXTFUN	* Function code for the exit
				Comment	
				Constants for CXTFUN	
				End of Comment	
		....		CXTFUNIN	"X'00'" * This is an initialization function
		1		CXTFUNQU	"X'01'" * This is a query function
		.... ..1.		CXTFUNCO	"X'02'" * This is a connect function
		11		CXTFUNDI	"X'03'" * This is a disconnect function
5	(5)	CHARACTER	3	CXTRSV05	* Reserved
8	(8)	CHARACTER	64	CXTOBNAM	* Object name (CXTVOL,CXTDSN,CXTRSV3A)
8	(8)	CHARACTER	6	CXTVOL	* Volume Serial of the data set
14	(E)	CHARACTER	44	CXTDSN	* Data set name (fully qualified, no quotes).

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
58	(3A)	CHARACTER	14	CXTRSV3A	* Reserved
72	(48)	SIGNED	4	CXTNUMSG	* Number of full 2GB segments requested for this object. If a fractional number of 2GB segments was requested, CXTLSGSZ contains the size of the fractional segment. Total size is computed as CXTNUMSG*2GB + CXTLSGSZ.
76	(4C)	SIGNED	4	CXTLSGSZ	* Fractional portion of size of the object which is not a multiple of 2GB. (0 <= CXTLSGSZ < 2GB)
80	(50)	CHARACTER	8	CXTJOBNM	* Current Job name
88	(58)	CHARACTER	8	CXTUSRNM	* Current User name
96	(60)	SIGNED	4	CXTMEXPB	* MAXEXPB value from parmlib member (COFDLFxx). Maximum total expanded storage (in 4K blocks) concurrently usable by DLF objects.
100	(64)	CHARACTER	4	CXTMREBS	* Computed as (PCTRETB * MAXEXPB)/100 from parmlib (COFDLFxx). Maximum total expanded storage (in 4K blocks) concurrently usable by retainable DLF objects.
104	(68)	CHARACTER	4	CXTMNREB	* Computed as MAXEXPB-CXTMREBS . Maximum total expanded storage (in 4K blocks) concurrently usable by non-retainable shared data objects of this class.
108	(6C)	SIGNED	4	CXTUDAB	* Address of the User Data area Anchor Block.
112	(70)	CHARACTER	28	CXTRSV70	* Reserved
140	(8C)	BITSTRING	1	CXTIFLGS	* Input Flags to the Exits
				Comment	
				Constant for CXTIFLGS	
				End of Comment	
		1...		CXTDSC	"X'80'" * '1'B - This DLF object is for Hiperbatch.
				Comment	
				7 bits reserved in CXTIFLGS	
				End of Comment	
141	(8D)	BITSTRING	1	CXTSFLGS	* Flags set according to information obtained from the security product (e.g. RACF) .
				Comment	
				Constant for CXTSFLGS	
				End of Comment	
		1...		CXTPROF	"X'80'" * '1'B - security profile exists
		.1..		CXTUAUTH	"X'40'" * '1'B - user is authorized to access the requested object
		..1.		CXTJAUTH	"X'20'" * '1'B - job is authorized to access the requested object
		...1		CXTSRTN	"X'10'" * '1'B - this object is eligible to be retained when disconnected
				Comment	
				4 bits reserved in CXTSFLGS	
				End of Comment	
142	(8E)	BITSTRING	1	CXTOFLGC	* CONN: Flags which may be changed by the CONNECT exit
				Comment	
				Constants for CXTOFLGC 8 bits reserved in CXTOFLGC	
				End of Comment	
143	(8F)	BITSTRING	1	CXTOFLGD	* DISC: Flags which may be changed by the

CXT Map

Offsets					
Dec	**Hex**	**Type/Value**	**Len**	**Name (Dim)**	**Description**
			Comment		
		DISCONNECT exit 8 bits reserved in CXTOFLGD			
			End of Comment		
144	(90)	CHARACTER	16	CXTUDATA	* User Exit Data. 16 bytes of data that are controlled by the user exit.
144	(90)	BITSTRING	1	CXTDSCFD	* Flags which may be changed by the exit. Returned to the caller via USERDATA
			Comment		
		Constants for CXTDSCFD			
			End of Comment		
		1...		CXTRTAIN	"X'80'" * '1'B - Object is to be retained even if there are no connected users. '0'B - Object is to be deleted if there are no connected users. For Hiperbatch, this may be set on a CONNECT only!
		.1..		CXTTSTMD	"X'40'" * '1'B - Test Mode was indicated in Parmlib member COFXITnn
145	(91)	CHARACTER	3	CXTRSV91	
148	(94)	SIGNED	4	CXTDSMAX	* QRY:CONN: Maximum number of VSAM/QSAM data sets for which DLF objects may exist simultaneously. This value is only used after the first query or connect call to the exit without regard to the return code set by the exit. DEFAULT: 50
152	(98)	CHARACTER	8	CXTRSV98	
160	(A0)	CHARACTER	1	CXTEND (0)	* End of mapping
160	(A0)	X'A0'	0	CXTPLEN	"*-CXT" * Length of Exit Parms
			Comment		

```
%COFZCXIT1:;
%DECLARE CXITBASED CHAR EXT;
  Map the DLF Installation Exit Interface
DECLARE
   1 CXT CXITBASED BDY(DWORD),
     3 CXTACRO CHAR(3), Eye catcher 'CXT'
     3 CXTVERS FIXED(8), Version
     3 CXTFUN FIXED(8), Function code for the exit.
                        '00'X - This is an initializa-
                                tion request
                        '01'X - This is a query request
                        '02'X - This is a connect req
                        '03'X - This is a disconnect
     3 CXTRSV05 CHAR(3), Reserved
     3 CXTOBNAM CHAR(64), Object name
       5 CXTVOL CHAR(6), Volume Serial of the data set
       5 CXTDSN CHAR(44), Data set name (fully qualified,
                        no quotes).
```

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

```
  5 CXTRSV3A CHAR(14), Reserved
3 CXTNUMSG FIXED(31), Number of full 2GB segments
                      requested for this object. If a
                      fractional number of 2GB
                      segments was requested, CXTLSGSZ
                      contains the size of the
                      fractional segment. Total size
                      is computed as CXTNUMSG 2GB +
                      CXTLSGSZ.
3 CXTLSGSZ FIXED(31), Fractional portion of the size
                      of the object which is not a
                      multiple of 2GB.
                           (0 <= CXTLSGSZ < 2GB)
3 CXTJOBNM CHAR(8), Current Job name
3 CXTUSRNM CHAR(8), Current User name
3 CXTMEXPB FIXED(31), MAXEXPB value from parmlib
                      (COFDLFxx). Maximum total
                      expanded storage (in 4K blocks)
                      concurrently usable by shared
                      data objects of this class.
3 CXTMREBS FIXED(31), Computed as
                      (PCTRETB MAXEXPB)/100
                      from parmlib (COFDLFxx).
                      Maximum total expanded storage
                      (in 4K blocks) concurrently
                      usable by retainable shared
                      data objects of this class.
3 CXTMNREB FIXED(31), Computed as MAXEXPB-CXTMREBS .
                      Maximum total expanded storage
                      (in 4K blocks) concurrently
                      usable by retainable shared
                      data objects of this class.
3 CXTUDAB PTR(31), Address of the User Data area
                      anchor block
3 CXTRSV70 CHAR(28), Reserved
3 CXTFLAGS CHAR(4), Flag fields
  5 CXTIFLGS BIT(8), Input Flags to the Exits
    7 CXTDSC BIT(1), '1'B - This shared object is
                           Hiperbatch.
    7 BIT(7), Reserved
  5 CXTSFLGS BIT(8), Flags set according to
                      information obtained from the
                      security product (e.g. RACF).
    7 CXTPROF BIT(1), '1'B - security profile exists
    7 CXTUAUTH BIT(1), '1'B - user is authorized to
                           access the requested
                           object
    7 CXTJAUTH BIT(1), '1'B - job is authorized to
                           access the requested
                           object
    7 CXTSRTN BIT(1), '1'B - this object is eligible
                           to be retained when
                           disconnected
    7 BIT(4), Reserved
  5 CXTOFLGC BIT(8), CONN: Flags which may be changed
                      by the CONNECT exit
    7 CXTRSV8E BIT(8), Reserved
```

CXT Cross Reference

Offsets Dec	Hex	Type/Value	Len	Name (Dim)	Description
5		CXTOFLGD BIT(8), DISC: Flags which may be changed by the DISCONNECT exit			
7		CXTRSV8F BIT(8), Reserved			
3		CXTUDATA CHAR(16) BDY(DWORD), User Exit Data. 16 bytes of data that are controlled by the user exit.			
5		CXTDSCFD BIT(8), Flags which may be changed by the installation exit. Returned to the caller via USERDATA.			
7		CXTRTAIN BIT(1), '1'B - Object is to be retained even if there are no connected users. '0'B - Object is to be deleted if there are no connected users. For Hiperbatch, this bit may be set during a CONNECT only!			
7		CXTTSTMD BIT(1), '1'B - Test Mode was indicated in Parmlib member COFXITnn			
7		BIT(6), Reserved			
5		CXTRSV91 CHAR(3), Reserved			
5		CXTDSMAX FIXED(32) BDY(WORD), QRY:CONN: Maximum number of VSAM/QSAM data sets for which DLF objects may exist simultaneously. This value is only used after the first query or connect call to the exit without regard to to the return code set by the exit. DEFAULT: 50			
5		CXTRSV98 CHAR(8), Reserved			
3		CXTEND CHAR(0); End of mapping			
		The following fields are constants that can be used to set CXTACRO or CXTVERS			
		DCL			
		CXTACROC CHAR(3) CONSTANT('CXT'), CXT Acronym constant			
		CXTVERSC FIXED(8) CONSTANT(1); CXT version number			
		The following fields are constants that can be used to set CXTFUN.			
		DCL			
		CXTFUNIN FIXED(8) CONSTANT(0), Function is initialization			
		CXTFUNQU FIXED(8) CONSTANT(1), Function is a query			
		CXTFUNCO FIXED(8) CONSTANT(2), Function is a connect			
		CXTFUNDI FIXED(8) CONSTANT(3); Function is a disconnect			

End of Comment

CXT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CXT	0		CXTIFLGS	8C	
CXTACRO	0		CXTJAUTH	8D	20
CXTACROC	0	C3E7E3	CXTJOBNM	50	
CXTDSC	8C	80	CXTLSGSZ	4C	
CXTDSCFD	90		CXTMEXPB	60	
CXTDSMAX	94		CXTMNREB	68	
CXTDSN	E		CXTMREBS	64	
CXTEND	A0		CXTNUMSG	48	
CXTFUN	4		CXTOBNAM	8	
CXTFUNCO	4	2	CXTOFLGC	8E	
CXTFUNDI	4	3	CXTOFLGD	8F	
CXTFUNIN	4	0	CXTPLEN	A0	A0
CXTFUNQU	4	1	CXTPROF	8D	80

Name	Hex Offset	Hex Value
CXTRSV05	5	
CXTRSV3A	3A	
CXTRSV70	70	
CXTRSV91	91	
CXTRSV98	98	
CXTRTAIN	90	80
CXTSFLGS	8D	
CXTSRTN	8D	10
CXTTSTMD	90	40
CXTUAUTH	8D	40
CXTUDAB	6C	
CXTUDATA	90	
CXTUSRNM	58	
CXTVERS	3	
CXTVERSC	3	1
CXTVOL	8	

DAIT Heading Information

Common Name: Display Allocation Index Table (DAIT)
Macro ID: IEFZB4H3
DSECT Name: DAIT
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: DAIT
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Subpool: 230
Key: 1
Data Space: No
Residency: Any
Size: DAITHDR is 24 decimal bytes
DAITENTR is 8 decimal bytes and there is one for each unit in the system
Created by: The DAIT is created by the Allocation Address Space Initialization routine (IEFHB4I1).
Pointed to by: The DAIT is anchored by the ADBDAIT field of the ADB structure (IEFZB4H1).
Serialization: None.
Function: This macro provides a symbolic mapping which contains pointers to DALTs for each unit.
To access the DALT for a unit, use the unit address as an index into the DAIT.
It also points to the ONLINE AUTOSWITCH DEVICE control block (CASE/390 IEFZB4H5) if the unit was ever ONLINE and AUTOSWITCH

DAIT Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	DAIT	DISPLAY ALLOCATION INDEX TABLE
0	(0)	CHARACTER	24	DAITHDR	HEADER OF DAIT
0	(0)	CHARACTER	4	DAITID	ACRONYM: DAIT
4	(4)	SIGNED	4	DAITMAXA	Maximum ASID value
8	(8)	SIGNED	4	DAITMAXD	Maximum device number
12	(C)	ADDRESS	4	DAITACHN	Chain of available DALTs
16	(10)	SIGNED	4	DAITDLEN	The length of a DALT
20	(14)	CHARACTER	4	*	Reserved
24	(18)	CHARACTER	8	DAITENTR (*)	DAIT ENTRIES
24	(18)	ADDRESS	4	DAITDALT	Address of the DALT for unit associated with the DAIT index.
28	(1C)	ADDRESS	4	DAITOASD	address of the ONLINE AUTOSWITCH element (IEFZB4H5) if applicable

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DAIT Constants

Len	Type	Value	Name	Description
		Comment		
	Associated declares			
		End of Comment		
4	CHARACTER	DAIT	DAITACRO	DAIT acronym

DAIT Cross Reference

Name	Hex Offset	Hex Value
DAIT	0	
DAITACHN	C	
DAITDALT	18	
DAITDLEN	10	
DAITENTR	18	
DAITHDR	0	
DAITID	0	
DAITMAXA	4	
DAITMAXD	8	
DAITOASD	1C	

DALT Heading Information

Common Name: Display allocation lookup table (DALT)
Macro ID: IEFZB4H0
DSECT Name: DALT
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: DALT
Offset: 0
Length: 4
Storage Attributes: Main Storage: No
Virtual Storage: Yes
Auxiliary Storage: Yes
Subpool: 230
Key: 1
Data Space: No
Residency: Any
Size: DALTHDR is 8 decimal bytes
DALTENTR is 2 decimal bytes and there is one for each possible address space in the system
Created by: DALTs are created by the Allocation Address Space Initialization routine (IEFHB4I1) and by the Update Allocation Tables routine (IEFHB420).
Pointed to by: DALTs are anchored by the DAITDALT array entries of the DAIT structure (IEFZB4H3).
Serialization: None.
Function: This macro provides a symbolic mapping of the use counts for a unit, for each address space. To locate the use counts for a particular device, use the unit address as an index into the DAIT. To locate the use count for a particular address space, use the ASID as an index into the DALT.

DALT Map

Offsets					
Dec	**Hex**	**Type**	**Len**	**Name (Dim)**	**Description**
0	(0)	STRUCTURE	*	DALT	DISPLAY ALLOCATION LOOKUP TABLE
0	(0)	CHARACTER	8	DALTHDR	HEADER OF DALT
0	(0)	CHARACTER	4	DALTID	ACRONYM: DALT
4	(4)	ADDRESS	4	DALTNEXT	Ptr to next available DALT
8	(8)	CHARACTER	2	DALTENTR (*)	BEGINNING OF DALT ENTRIES
8	(8)	UNSIGNED	2	DALTUSE	UNIT USE COUNT FOR THIS ASID

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DALT Constants

Len	Type	Value	Name	Description
4	CHARACTER	DALT	DALTACRO	DALT acronym

Appendix A. Accessibility

Accessibility features help a user who has a physical disability, such as restricted mobility or limited vision, to use software products successfully. The major accessibility features in z/OS enable users to:

- Use assistive technologies such as screen-readers and screen magnifier software
- Operate specific or equivalent features using only the keyboard
- Customize display attributes such as color, contrast, and font size.

Using assistive technologies

Assistive technology products, such as screen-readers, function with the user interfaces found in z/OS. Consult the assistive technology documentation for specific information when using it to access z/OS interfaces.

Keyboard navigation of the user interface

Users can access z/OS user interfaces using TSO/E or ISPF. Refer to *z/OS TSO/E Primer*, *z/OS TSO/E User's Guide*, and *z/OS ISPF User's Guide Volume I* for information about accessing TSO/E and ISPF interfaces. These guides describe how to use TSO/E and ISPF, including the use of keyboard shortcuts or function keys (PF keys). Each guide includes the default settings for the PF keys and explains how to modify their functions.

Additional accessibility features may be included as part of the user interface of a particular z/OS element. Check the invidivual element's documentation for any additional information about accessibility.

z/OS Information

z/OS information is accessible using screen readers with the BookServer/Library Server versions of z/OS books in the Internet library at: http://www.ibm.com/servers/eserver/zseries/zos/bkserv/. One exception is command syntax that is published in railroad track format; screen-readable copies of z/OS books with that syntax information are separately available in html zipfile form upon request to mhvrcfs@us.ibm.com.

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Programming Interface Information

This book primarily documents information that is NOT intended to be used as Programming Interfaces of z/OS.

This book also documents 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 this book.

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.

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- MVS/ESA
- MVS/XA
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- OS/390
- PR/SM
- RACF
- RMF
- SP
- SP2
- S/370
- S/390
- Sysplex Timer
- System/370
- VSE/ESA
- VTAM
- z/Architecture
- z/OS
- z/OS.e
- z/VM
- zSeries
- 3090

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CSRYL16J 744
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