

**z/OSV2R1
MVS Data Areas
Volume 6(SJRUP -XTLST)**

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Note

Before using this information and the product it supports, be sure to read the general information under “Notices” on page 635.

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

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z/OSV2R1



MVS Data Areas Volume 6(SJRUP -XTLST)

z/OSV2R1



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About this information

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

- Programming interfaces
- Needed for debugging or diagnosis.

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

Who should use this information

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

How to use this information

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

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

The header

The header includes some or all of the following:

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

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

Function:

Brief description of the use of the data area.

Data area map

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

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

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

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

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

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

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

Len Size of the field in decimal bytes.

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

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

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

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

Cross reference

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

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

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

Name	Hex Offset	Hex Value
ANYBIT	F0	80

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

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

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

Programming interface information

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

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

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

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

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

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

- MACRO ID
- DSECT NAME
- commonly-used name

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

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

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

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

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

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

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

SJRUP Information

SJRUP Heading Information

Common Name: Scheduler JCL Facility Update Parameter List
Macro ID: IEFSJRUP
DSECT Name: SJRUP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJRU
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Caller's
 Key: Caller's
Size: 60 bytes
Created by: Caller
Pointed to by: Caller sets up Register 1 pointing to a word which points to SJRUP.
Serialization: None
Function: Maps the input to the Scheduler JCL Facility Update routine.

SJRUP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	60	SJRUP	SJF UPDATE PARAMETER LIST
0	(0)	CHARACTER	4	SJRUID	IDENTIFIER 'SJRU'
4	(4)	UNSIGNED	1	SJRUVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJRUFLAG	CONTROL FLAGS
		1...		SJRUNREC	NO RECOVERY
		.1.		SJRUNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJRULEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJRUSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJRUREAS	REASON CODE
16	(10)	SIGNED	4	SJRUINPT	POINTER TO THE LIST OF TEXT POINTERS
20	(14)	CHARACTER	8	SJRUIDVT	NAME OF JDVT OR ZEROES
28	(1C)	CHARACTER	8	SJRUIVERB	VERB
36	(24)	CHARACTER	8	SJRULABL	LABEL
44	(2C)	CHARACTER	8	SJRUTOKN	SWB CHAIN TOKEN
44	(2C)	CHARACTER	4	SJRUANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
48	(30)	ADDRESS	4	SJRUANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
52	(34)	BITSTRING	1	SJRUFUNC	FLAG FIELD
		1...		SJRUSYST	SYSTEM INPUT
		.1.		SJRUNSWA	REQUEST FOR A NON SWA SWB
		..1.		SJRUIVERF	VERIFICATION ONLY
		...1		SJRUNREF	DO NOT CHECK REFERENCES
		.... 1...		SJRUCONT	CONTINUATION TEXT UNIT
		.... .1..		SJRUIRNL	JOURNALING REQUESTED
		.... ..1.		SJRUIWARN	CONTINUE PROCESSING AFTER AN ERROR WHICH IS DUE TO CHANGES IN THE JDTS FROM RELEASE TO RELEASE IS ENCOUNTERED
		.... ...1		SJRUIDYNS	DYNAMIC SWB TO BE CREATED. THIS BIT INDICATES THAT IF SWBS ARE BUILT THEY SHOULD BE MARKED DYNAMICALLY CREATED
53	(35)	UNSIGNED	1	SJRUPARM	NUMBER OF PARAMETERS ALREADY PROCESSED IN THE FIRST TEXT UNIT
54	(36)	CHARACTER	2	SJRUERRK	KEY IN ERROR
56	(38)	CHARACTER	0	SJRUV1ND	END OF VERSION 1 PARMLIST
56	(38)	BITSTRING	1	SJRUFNC2	FLAG FIELD
		1...		SJRUOSER	SERIALIZATION ON SWB USE COUNT IS NOT REQUIRED
		.1.		SJRUONEU	A ONE USE SWB CHAIN IS TO BE CREATED
		..1.		SJRUMODI	Caller requests that text units be updated if parameter validation results in modification of parameter data
		...1		SJRUCONV	Caller requests that text unit value be converted
		.... 111.		*	Reserved
		.... ...1		SJRUMODT	Caller's data was modified as part of validation (output)L5A
57	(39)	CHARACTER	3	SJRUSVA	SVA TO BE REASSIGNED TO SWB (FOR SWA RELOCATOR)

SJRUP Constants • SJRUP Cross Reference

SJRUP Constants

Len	Type	Value	Name	Description
4	CHARACTER	SJRU	SJRUCID	IDENTIFIER
1	DECIMAL	2	SJRUCVER	CURRENT VERSION NUMBER

SJRUP Cross Reference

Name	Hex Offset	Hex Value
SJRUANBK	2C	
SJRUANCA	30	
SJRUCONT	34	08
SJRUCONV	38	10
SJRUDYNS	34	01
SJRUERRK	36	
SJRUFLAG	5	
SJRUFNC2	38	
SJRUFUNC	34	
SJRUID	0	
SJRUINPT	10	
SJRUJDVT	14	
SJRUJRNL	34	04
SJRULABL	24	
SJRULEN	6	
SJRUMODI	38	20
SJRUMODT	38	01
SJRUNOCU	5	40
SJRUNREC	5	80
SJRUNREF	34	10
SJRUNSWA	34	40
SJRUONEU	38	40
SJRUOSER	38	80
SJRUP	0	
SJRUPARM	35	
SJRUREAS	C	
SJRUSTOR	8	
SJRUSVA	39	
SJRUSYST	34	80
SJRUTOKN	2C	
SJRUVERB	1C	
SJRUVERF	34	20
SJRUVERS	4	
SJRUV1ND	38	
SJRUWARN	34	02

SJSCP Information

SJSCP Heading Information

Common Name: SCHEDULER JCL FACILITY SCAN SWB CHAIN PARAMETER LIST
Macro ID: IEFSJSCP
DSECT Name: SJSCP
Owning Component: Scheduler JCL facility (BB131)
Eye-Catcher ID: SJSC
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Any
 Key: Caller's key
 Residency: Any
Size: 54 (decimal)
Created by: N/A
Pointed to by: N/A
Serialization: N/A
Function: MAPPING FOR THE SCHEDULER JCL FACILITY SCAN SWB CHAIN PARAMETER LIST.

SJSCP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	58	SJSCP	Scan SWB parameter list
0	(0)	CHARACTER	4	SJSCID	Identifier 'SJSC'
4	(4)	UNSIGNED	1	SJSCVERS	Version number
5	(5)	BITSTRING	1	SJSCFLAG	Control flag byte
		1...		SJSCNREC	No recovery
		.1.		SJSCNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJSCLEN	Length of parameter list
8	(8)	ADDRESS	4	SJSCSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJSCREAS	Reason code
16	(10)	BITSTRING	1	SJSCFLG2	Flag byte
		1...		SJSCNEXT	Scan next SWB processing
		.1.		SJSCOSER	Serialization on SWB use count is not to be obtained, if flag is on
		..1.		SJSCRSWB	If on, indicates that RETURN SWB is to be issued for input token passed
		..1 1111		*	Reserved for IBM use
17	(11)	CHARACTER	3	SJSCRSV1	Reserved for IBM use
20	(14)	CHARACTER	8	SJSCTOKN	SWB chain token
28	(1C)	CHARACTER	8	SJSCJDVT	JDVT name
36	(24)	CHARACTER	8	SJSCVERB	Verb name
44	(2C)	UNSIGNED	2	SJSCKEY	Key number
46	(2E)	UNSIGNED	1	SJSCPARM	Parameter number
47	(2F)	CHARACTER	1	SJSCRSV3	Reserved for IBM use
48	(30)	ADDRESS	4	SJSCVAL	Address of an area containing the value to be scanned for
52	(34)	UNSIGNED	2	SJSCVLEN	Length of the value field referenced by SJSCVAL
54	(36)	CHARACTER	4	SJSCRSV2	Reserved for IBM use

SJSCP Constants

Len	Type	Value	Name	Description
Comment				
Additional data needed for parameter list				
End of Comment				
4	CHARACTER	SJSC	SJSCCID	Parameter list identifier
1	DECIMAL		SJSCCVER	Version number

SJSCP Cross Reference

SJSCP Cross Reference

Name	Hex Offset	Hex Value
SJSCFLAG	5	
SJSCFLG2	10	
SJSCID	0	
SJSCJDVT	1C	
SJSCKEY	2C	
SJSCLEN	6	
SJSCNEXT	10	80
SJSCNOCU	5	40
SJSCNREC	5	80
SJSCOSER	10	40
SJSCP	0	
SJSCPARM	2E	
SJSCREAS	C	
SJSCRSV1	11	
SJSCRSV2	36	
SJSCRSV3	2F	
SJSCRSWB	10	20
SJSCSTOR	8	
SJSCTOKN	14	
SJSCVAL	30	
SJSCVERB	24	
SJSCVERS	4	
SJSCVLEN	34	

SJSMP Information

SJSMP Programming Interface Information

Programming Interface Information

SJSMP

The following field is **NOT** part of the programming interface:

- SJSMNREC

End of Programming Interface Information

SJSMP Heading Information • SJSMP Map

SJSMP Heading Information

Common Name: Scheduler JCL Facility SWBTU_MERGE Parameter List
Macro ID: IEFSJSMP
DSECT Name: SJSMP, SJSMSBTL
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJSM
 Offset: 0
 Length: 0
Storage Attributes: Subpool: Any
 Key: Caller's key
 Residency: Any
Size: 72 bytes
Created by: Caller of SJFREQ REQUEST=SWBTU_MERGE
Pointed to by: On entry to SJF, register 1 points to a word that points to SJSMP.
Serialization: None
Function: Mapping for the Scheduler JCL Facility SWB TU Merge Service Parameter List.

SJSMP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SJSMP	SWBTU_MERGE Parameter List
0	(0)	CHARACTER	4	SJSMID	Identifier 'SJSM'
4	(4)	BITSTRING	1	SJSMVERS	Version number
5	(5)	BITSTRING	1	SJSMFLAG	Control Flag
		1...		SJSMNREC	"X'80" No recovery
		.1.		SJSMNOCU	"X'40" No cleanup
6	(6)	SIGNED	2	SJSMLEN	Length of SJSMP parameter list, does not include areas pointed to by this segment.
8	(8)	ADDRESS	4	SJSMSTOR	Local storage pointer (returned from previous SJF call) or zero. If SJSMNOCU is specified, then returned as output.
12	(C)	SIGNED	4	SJSMREAS	Reason code (returned as output)
16	(10)	ADDRESS	4	SJSMAREA	Address of output area for returned single SWBTU
20	(14)	SIGNED	2	SJSM SIZE	Size of single SWBTU return area
22	(16)	SIGNED	2	SJSM SWBN	Number of base SWBTUs or zero - refer to SJSMSBTL
24	(18)	ADDRESS	4	SJSM SWBA	Address of base SWBTU pointer list - refer to SJSMSBTL
28	(1C)	ADDRESS	4	SJSM MTUP	Address of pointer list of override (modify) SWBTUs or zero - refer to SJSMSBTL
32	(20)	SIGNED	2	SJSM MTUN	Number of override SWBTUs or zero - refer to SJSMSBTL
34	(22)	SIGNED	2	SJSM ETUS	Size of erase text unit list or zero
36	(24)	ADDRESS	4	SJSM ETUP	Address of area containing contiguous text units (key and zero number of parameters) to be erased from the base SWBTUs - refer to IEFDOTUM
40	(28)	CHARACTER	8	SJSM JDVT	Name of JDVT used to create the SWBTUs - also returned as output
48	(30)	BITSTRING	1	SJSM FLG2	Options flag
		1...		SJSM WARN	"X'80" Continue processing after an error is encountered which is due to changes in the JDTs between releases
		.1.		SJSM BYMV	"X'40" Bypass JDT validation of text units in modify SWBTU
		..1.		SJSM BYEV	"X'20" Bypass JDT validation of keys in erase key list
49	(31)	CHARACTER	1	SJSM RSV1	Reserved
50	(32)	SIGNED	2	SJSM TULN	Size of returned single output SWBTU (returned)
52	(34)	SIGNED	4	SJSM RETC	Unexpected return code of a service used in SWBTU_MERGE. Set when SJSMREAS is in range 1950 through 1999.
56	(38)	SIGNED	4	SJSM ERRS	Reason code returned along with unexpected return code in SJSMRETC. Set when SJSMREAS is in range 1950 through 1999. For a Getmain or Freemain error, then this field indicated the relative number of the request (for service).
60	(3C)	ADDRESS	4	SJSM ERRP	Address of SWBTU pointer list entry where a SWBTU error was encountered
64	(40)	BITSTRING	2	SJSM MKER	Key of modify SWBTU text unit where a JDT validation error occurred
66	(42)	BITSTRING	2	SJSM EKER	Key of erase key list where a JDT validation error occurred
68	(44)	CHARACTER	4	SJSM RSV2	Reserved
68	(44)	X'48'	0	SJSM LGTH	"*-SJSMP" Length of the SWBTU_MERGE Parameter List
68	(44)	X'D1E2D4'	0	SJSM CID	"C'SJSM" Parameter list identifier
68	(44)	X'1'	0	SJSM CVER	"1" Current version number

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SJSM SBTL	SWBTU Address list
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	SJSM STUP	SWBTU address
0	(0)	X'4'	0	SJSM SLEN	"*-SJSMSBTL" Length of one SWBTU address list entry

SJSMP Cross Reference

Name	Hex Offset	Hex Value
SJSMAREA	10	
SJSMBYEV	30	20
SJSMBYMV	30	40
SJSMCID	44	D1E2D4
SJSMCVER	44	1
SJSMEKER	42	
SJSMERRP	3C	
SJSMERRS	38	
SJSMETUP	24	
SJSMETUS	22	
SJSMFLAG	5	
SJSMFLG2	30	
SJSMID	0	
SJSMJDVT	28	
SJSMLN	6	
SJSMLGTH	44	48
SJSMMKER	40	
SJSMMTUN	20	
SJSMMTUP	1C	
SJSMNOCU	5	40
SJSMNREC	5	80
SJSMP	0	
SJSMREAS	C	
SJSMRETC	34	
SJSMRSV1	31	
SJSMRSV2	44	
SJSMSBTL	0	
SJSMSIZE	14	
SJSMSLEN	0	4
SJSMSTOR	8	
SJSMSTUP	0	
SJSMSWBA	18	
SJSMSWBN	16	
SJSMTULN	32	
SJSMVERS	4	
SJSMWARN	30	80

SJTRC Information

SJTRC Programming Interface information

Programming Interface information

SJTRC

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

- SJTRCWSE
- SJTRSWID

End of Programming Interface information

SJTRC Heading Information • SJTRC Map

SJTRC Heading Information

Common Name: Scheduler JCL Facility (SJF) SWBTUREQ Services Return and Reason Codes
Macro ID: IEFSJTRC
DSECT Name: n/a
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: none
Storage Attributes: Virtual Storage: included in module's dynamic area
Size: n/a
Created by: n/a
Pointed to by: n/a
Serialization: None
Function: This macro defines the return and reason codes for the services of the SWBTUREQ macro facility.

SJTRC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'0'	0	SJTRCNRM	"0" X'00' - processing successful
0	(0)	X'4'	0	SJTRCSIZ	"4" X'04' - not enough storage or no requested items found
0	(0)	X'8'	0	SJTRCPRM	"8" X'08' - parameter error
0	(0)	X'C'	0	SJTRCSPE	"12" X'0C' - severe parameter list error
Comment					
EQU 16 X'10' - not used					
End of Comment					
0	(0)	X'14'	0	SJTRCABN	"20" X'14' - logical error detected
0	(0)	X'18'	0	SJTRCSNA	"24" X'18' - SWBTUREQ services not initialized
Comment					
SWBTUREQ COMMON REASON CODES					
End of Comment					
0	(0)	X'0'	0	SJTRCOK	"0" X'000' - processing successful
0	(0)	X'4'	0	SJTRWSZR	"4" X'004' - more working storage required, refer to working storage size field that is returned.
0	(0)	X'8'	0	SJTRDSZR	"8" X'008' - more storage required for output area, refer to output area size field that is returned.
0	(0)	X'14'	0	SJTRCID	"20" X'014' - input parameter list id error
0	(0)	X'15'	0	SJTRCLEN	"21" X'015' - input parameter list length error
0	(0)	X'16'	0	SJTRCVRE	"22" X'016' - input parameter list version number error
0	(0)	X'17'	0	SJTRCFNC	"23" X'017' - unknown function code request
0	(0)	X'18'	0	SJTRCNST	"24" X'018' - at least one SWBTU is required on input
0	(0)	X'19'	0	SJTRCIST	"25" X'019' - SWBTU prefix id not valid
0	(0)	X'1A'	0	SJTRLENP	"26" X'01A' - Storage to be moved is invalid - DOCNTLEN field contains a negative value
Comment					
SWBTUREQ RETRIEVE AND SPLICE COMMON REASON CODES					
End of Comment					
0	(0)	X'28'	0	SJTRCVLE	"40" X'028' - verbs and/or labels do not match for SWBTUs
0	(0)	X'29'	0	SJTRCARE	"41" X'029' - invalid combination of SJTCAREA and SJTCSIZE
Comment					
SWBTUREQ SPLICE AND SPLIT COMMON REASON CODES					
End of Comment					
0	(0)	X'3C'	0	SJTRCWSE	"60" X'03C' - working storage invalid for subsequent request
Comment					
SWBTUREQ RETRIEVE REASON CODES					
End of Comment					
0	(0)	X'64'	0	SJTRNOKY	"100" X'064' - no keys in the input key list were found in the SWBTUs
0	(0)	X'65'	0	SJTRCNKY	"101" X'065' - a key list entry, SJTRKYID, has no key specified

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'66'	0	SJTRCEKY	"102" X'066' - cannot reference SJTRKEYL, SJTRKIDL or SJTRKIDN error
					Comment
					SWBTUREQ SPLICE REASON CODES SWBTUREQ SPLIT REASON CODES
					End of Comment
0	(0)	X'12C'	0	SJTRSWID	"300" X'12C' - Invalid address/length on list of output SWBTUs

SJTRC Cross Reference

Name	Hex Offset	Hex Value
SJTRCABN	0	14
SJTRCARE	0	29
SJTRCEKY	0	66
SJTRCFNC	0	17
SJTRCIDE	0	14
SJTRCIST	0	19
SJTRCLEN	0	15
SJTRCNKY	0	65
SJTRCNRM	0	0
SJTRCNST	0	18
SJTRCOK	0	0
SJTRCPRM	0	8
SJTRCSIZ	0	4
SJTRCSNA	0	18
SJTRCSPE	0	C
SJTRCVLE	0	28
SJTRCVRE	0	16
SJTRCWSE	0	3C
SJTRDSZR	0	8
SJTRLENP	0	1A
SJTRNOKY	0	64
SJTRSWID	0	12C
SJTRWSZR	0	4

SJTRP Information

SJTRP Programming Interface Information

Programming Interface Information

SJTRP

End of Programming Interface Information

SJTRP Heading Information • SJTRP Map

SJTRP Heading Information

Common Name: Scheduler JCL Facility SWBTUREQ RETRIEVE Parameter List
Macro ID: IEFSJTRP
DSECT Name: SJTRP, SJTRKEYL for key retrieve table, SJTRSBTL
Owning Component: Scheduler services (BB131)
Eye-Catcher ID: SJTR
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Any
 Key: Caller's key
 Residency: Any
Size: 52 (decimal)
Created by: Caller of SWBTUREQ REQUEST=RETRIEVE.
Pointed to by: On entry to SJF, register 1 points to a word that points to SJTRP
Serialization: None
Function: Maps the input/output parameter list to the SJF Text Unit Retrieve Service (SWBTUREQ REQUEST=RETRIEVE)

SJTRP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SJTRP	
0	(0)	CHARACTER	4	SJTRID	Identifier 'SJTR'
4	(4)	BITSTRING	1	SJTRVERS	Version number
5	(5)	BITSTRING	1	SJTRFLAG	Reserved
6	(6)	SIGNED	2	SJTRLEN	Length of SJTRP parameter list
8	(8)	ADDRESS	4	SJTRSTOR	Local storage pointer
12	(C)	SIGNED	2	SJTRSTSZ	Local storage size
14	(E)	SIGNED	2	SJTRSWBN	Number of SWBTU pointers in SWBTU address list - refer to SJTRSBTL
16	(10)	ADDRESS	4	SJTRSWBA	Address of SWBTU address list - refer to SJTRSBTL *

Comment

The following fields are returned as output

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	SIGNED	4	SJTRREAS	Reason code
24	(18)	SIGNED	2	SJTRWKSZ	Working storage size required
26	(1A)	SIGNED	2	SJTRTULN	Area size for all matched text units. This value is filled in whether or not enough output area storage was provided
28	(1C)	ADDRESS	4	SJTRERRP	Address of key list entry or SWBTU pointer list entry where an error was encountered
32	(20)	SIGNED	4	SJTRRSVO	Reserved

End of Comment

Comment

End of commonly mapped area.

The following fields are provided on input

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	ADDRESS	4	SJTRAREA	Text unit output area address. This area will contain the contiguous text unit strings based on the order of the requested keys
40	(28)	SIGNED	2	SJTRSIZE	Text unit output area size
42	(2A)	SIGNED	2	SJTRKIDN	Number of keys in key list - refer to SJTRKEYL
44	(2C)	ADDRESS	4	SJTRKIDL	Address of requested keys list - refer to SJTRKEYL
48	(30)	CHARACTER	4	SJTRRSVI	Reserved
48	(30)	X'34'	0	SJTRLGTH	""-SJTRP" Length of the SWBTUREQ RETRIEVE Parameter list
48	(30)	X'D1E3D9'	0	SJTRCID	"C'SJTR" Parameter list identifier
48	(30)	X'1'	0	SJTRCVER	"1" Current version number

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SJTRSBTL	SWBTU address list
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	SJTRSTUP	SWBTU address entry
4	(4)	SIGNED	4	SJTRSRSV	Reserved
4	(4)	X'8'	0	SJTRSLN	""-SJTRSBTL" Length of one SWBTU address entry

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	SJTRKEYL	Key / TU pointer list
0	(0)	SIGNED	4	(0)	
0	(0)	BITSTRING	2	SJTRKYID	Key for retrieve
2	(2)	SIGNED	2		Reserved
4	(4)	ADDRESS	4	SJTRTPAD	Address of this key's text unit in the text unit list output area pointed to by SJTRAREA
4	(4)	X'8'	0	SJTRKLEN	**SJTRKEYL" Length of one Key / TU address entry

SJTRP Cross Reference

Name	Hex Offset	Hex Value
SJTRAREA	24	
SJTRCID	30	D1E3D9
SJTRCVER	30	1
SJTRERRP	1C	
SJTRFLAG	5	
SJTRID	0	
SJTRKEYL	0	
SJTRKIDL	2C	
SJTRKIDN	2A	
SJTRKLEN	4	8
SJTRKYID	0	
SJTRLEN	6	
SJTRLGTH	30	34
SJTRP	0	
SJTRREAS	14	
SJTRRSVI	30	
SJTRRSVO	20	
SJTRSBTL	0	
SJTRSIZE	28	
SJTRSLN	4	8
SJTRSRSV	4	
SJTRSTOR	8	
SJTRSTSZ	C	
SJTRSTUP	0	
SJTRSWBA	10	
SJTRSWBN	E	
SJTRTPAD	4	
SJTRTULN	1A	
SJTRVERS	4	
SJTRWKSZ	18	

SJTSP Information

SJTSP Heading Information

Common Name: Scheduler JCL Facility SWBTUREQ SPLICE and SPLIT Parameter List
Macro ID: IEFSJTSP
DSECT Name: SJTSP, SJTSSBL
Owning Component: Scheduler JCL facility (BB131)
Eye-Catcher ID: SJTSP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Any
 Key: Caller's key
 Residency: Any
Size: 48 (decimal)
Created by: Callerr of SWBTUREQ REQUEST=SPLICE/SPLIT
Pointed to by: On entry to SJF, register 1 points to a word that points to SJTSP
Serialization: None
Function: Maps the input/output parameter list to the SJF Text Unit Splice and Split services (SWBTUREQ REQUEST=SPLICE) (SWBTUREQ REQUEST=SPLIT)

SJTSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	SJTSP	SWBTUREQ SPLICE/SPLIT parameter list
0	(0)	CHARACTER	4	SJTSID	Identifier 'SJTS'
4	(4)	UNSIGNED	1	SJTSVERS	Version number
5	(5)	BITSTRING	1	SJTSFLAG	Reserved
6	(6)	SIGNED	2	SJTSLEN	Length of SJTSP parameter list
8	(8)	ADDRESS	4	SJTSSTOR	Local storage pointer
12	(C)	SIGNED	2	SJTSSTSZ	Local storage size
14	(E)	SIGNED	2	SJTSSWBN	Number of SWBTU pointers in SWBTU address list - area mapped by SJTSSBTL
16	(10)	ADDRESS	4	SJTSSWBA	Address of SWBTU address list - area mapped by SJTSSBTL

Comment

The following fields are returned as output

End of Comment

20	(14)	SIGNED	4	SJTSREAS	Reason code
24	(18)	SIGNED	2	SJTSWKSZ	Working storage size required
26	(1A)	SIGNED	2	SJTSTULN	SPLICE request - area size required to splice all SWBTUs provided or actual size when splicing is completed. For SPLIT: specifies a single block size that would be required to split the remainder of the single input SWBTU.
28	(1C)	ADDRESS	4	SJTSERRP	Address of SWBTU address list entry where an error was encountered
32	(20)	SIGNED	4	SJTSSRSVO	Reserved

Comment

End of commonly mapped area.
 The following fields are provided on input

End of Comment

36	(24)	ADDRESS	4	SJTSAREA	Address of single SWBTU area. Splice request - resulting SWBTU will be placed in this area. Split request - single SWBTU to be split up.
40	(28)	SIGNED	2	SJTSSIZE	Size of single SWBTU area, required only on SPLICE request
42	(2A)	BITSTRING	1	SJTSFLG1	Service request flag
		1...		SJTSSBSQ	Subsequent request
		.111 1111		*	Reserved
43	(2B)	CHARACTER	5	SJTSSRSVI	Reserved

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	SJTSSBTL (*)	SWBTU Address / Length list
0	(0)	ADDRESS	4	SJTSSTUP	SWBTU address

SJTSP Constants • SJTSP Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
The following two fields are only used by the SPLIT service					
					End of Comment
4	(4)	SIGNED	2	SJTSSBLN	Length of this output SWBTU area
6	(6)	SIGNED	2	SJTSSBRL	Length of SWBTU area returned by the service.

SJTSP Constants

Len	Type	Value		Name	Description
4	CHARACTER	SJTS		SJTSCID	Parameter list identifier
1	DECIMAL		1	SJTSCVER	Current version number

SJTSP Cross Reference

Name	Hex Offset	Hex Value
SJTSAREA	24	
SJTSERRP	1C	
SJTSFLAG	5	
SJTSFLG1	2A	
SJTSID	0	
SJTSLEN	6	
SJTSP	0	
SJTSREAS	14	
SJTSSVI	2B	
SJTSSVO	20	
SJTSSBLN	4	
SJTSSBRL	6	
SJTSSBTL	0	
SJTSSIZE	28	
SJTSSTOR	8	
SJTSSTSZ	C	
SJTSSSTUP	0	
SJTSSWBA	10	
SJTSSWBN	E	
SJTSTULN	1A	
SJTSSBSQ	2A	80
SJTSSVERS	4	
SJTSSWKSZ	18	

SJVEP Information

SJVEP Programming Interface information

Programming Interface information

SJVEP

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

- SJVENREC

End of Programming Interface information

SJVEP Heading Information • SJVEP Map

SJVEP Heading Information

Common Name: SJF VERIFY Parameter List
Macro ID: IEFSJVEP
DSECT Name: SJVEP
Owning Component: Scheduler JCL Facility (BB131)
Eye-Catcher ID: SJVE
 Offset: 0
 Length: 4
Storage Attributes: Key: Key of caller for unauthorized callers, key 1 for authorized callers.
Size: 344 bytes
Created by: Caller of SJFREQ REQUEST=VERIFY
Pointed to by: On entry to SJF, register 1 points to a word that points to SJVEP
Serialization: None
Function: Maps the input and output to the SJF Verify Routine

SJVEP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SJVEP	SJF VERIFY PARAMETER LIST
0	(0)	CHARACTER	4	SJVEID	IDENTIFIER 'SJVE'
4	(4)	BITSTRING	1	SJVEVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJVEFLAG	FUNCTION FLAGS
		1...		SJVENREC	"X'80" NO RECOVERY
		.1..		SJVENOCU	"X'40" NO CLEANUP
		..1.		SJVEUNAU	"X'20" UNAUTHORIZED CALLER
6	(6)	SIGNED	2	SJVELEN	LENGTH OF PARAMETER LIST
8	(8)	SIGNED	4	SJVESTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJVEREAS	REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJVEJDVT	NAME OF JDVT OR ZEROES
24	(18)	CHARACTER	8	SJVECMND	COMMAND
32	(20)	SIGNED	4	SJVEOPEP	POINTER TO OPERAND
36	(24)	SIGNED	2	SJVEOPEL	LENGTH OF OPERAND
38	(26)	BITSTRING	1	SJVEPARAM	SUBPARAMETER NUMBER
39	(27)	BITSTRING	1	SJVESUBL	SUBLIST ELEMENT NUMBER
40	(28)	SIGNED	4	SJVEPRMP	POINTER TO SUBPARAMETER DATA
44	(2C)	SIGNED	2	SJVEPRML	LENGTH OF SUBPARAMETER DATA
46	(2E)	SIGNED	2	SJVETUBL	LENGTH OF TEXT UNIT BUFFER
48	(30)	SIGNED	4	SJVETUBP	POINTER TO TEXT UNIT BUFFER
52	(34)	BITSTRING	1	SJVEFLG1	VERIFY OPTION FLAGS
		1...		SJVELSTC	"X'80" LAST CALL TO VERIFY FLAG
		.1..		SJVEQUOT	"X'40" SUBPARAMETER WAS PASSED TO TSO IN QUOTES
		..1.		SJVERSBS	"X'20" CALLER IS REQUESTING THAT SJVETUBS BE RETURNED
53	(35)	CHARACTER	1	SJVERSV1	RESERVED
54	(36)	SIGNED	2	SJVETUBS	AMOUNT OF STORAGE USED IN OUTPUT TEXT UNIT BUFFER
56	(38)	SIGNED	4	SJVETUPL	POINTER TO TEXT UNIT POINTER LIST (RETURNED)
60	(3C)	CHARACTER	64	SJVEOPD	OPERAND DESCRIPTION (RETURNED)
124	(7C)	SIGNED	2	SJVEOPDL	LENGTH OF OPERAND DESCRIPTION (RETURNED)
126	(7E)	SIGNED	2	SJVEMSGL	LENGTH OF MESSAGE INFORMATION (RETURNED)
128	(80)	CHARACTER	200	SJVEMSG	MESSAGE INFORMATION (RETURNED)
328	(148)	CHARACTER	8	SJVEPRFX	PREFIX FOR UNQUALIFIED DSN
336	(150)	CHARACTER	8	SJVERSV2	RESERVED
344	(158)	SIGNED	4	SJVEEND (0)	END OF THE SJF VERIFY PARAMETER LIST
344	(158)	X'158'	0	SJVELGTH	"SJVEEND-SJVEP" LENGTH OF THE SJF VERIFY PARAMETER LIST
344	(158)	X'2'	0	SJVECVER	"02" CURRENT VERSION NUMBER

SJVEP Cross Reference

Name	Hex Offset	Hex Value
SJVECMND	18	
SJVECVAR	158	2
SJVEEND	158	
SJVEFLAG	5	
SJVEFLG1	34	
SJVEID	0	
SJVEJDVT	10	
SJVELEN	6	
SJVELGTH	158	158
SJVELSTC	34	80
SJVEMSG	80	
SJVEMSGL	7E	
SJVENOCU	5	40
SJVENREC	5	80
SJVEOPD	3C	
SJVEOPDL	7C	
SJVEOPEL	24	
SJVEOPEP	20	
SJVEP	0	
SJVEPARM	26	
SJVEPRFX	148	
SJVEPRML	2C	
SJVEPRMP	28	
SJVEQUOT	34	40
SJVEREAS	C	
SJVERSBS	34	20
SJVERSV1	35	
SJVERSV2	150	
SJVESTOR	8	
SJVESUBL	27	
SJVETUBL	2E	
SJVETUBP	30	
SJVETUBS	36	
SJVETUPL	38	
SJVEUNAU	5	20
SJVEEVERS	4	

SLFP Information

SLFP Heading Information

Common Name: RTM SLIP FRR Parameter Area
Macro ID: IHASLFP
DSECT Name: SLFP
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
 Key: 0
 Residency: ANY
Size: 24 bytes
Created by: IEAVTSLP
Pointed to by: None
Serialization: None
Function: FRR parameter area used by the SLIP action processor.

SLFP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	SLFP	
0	(0)	CHARACTER	8	SLFPFLGS	ERROR RECOVERY AUDIT TRAIL FLAGS
0	(0)	BITSTRING	1	SLFPFLG1	
		1... ..		SLFPRTS	RTS ENVIRONMENT
		.1.		SLFPRT2	RT2 ENVIRONMENT
		..1.		SLFPPER	PER ENVIRONMENT
		...1		SLFPRTM	RTM ENVIRONMENT
		.... 1...		SLFPSM	SYSTEM MASK MUST BE RESTORED
		.... .1..		SLFPRST	RESTART LOCKWORD MUST BE RELEASED
		.... ..1.		SLFPVAL	SLIP FRR PARAMETER AREA COMPLETE
		.... ...1		SLFPFRR	THE FRR IS IN CONTROL
1	(1)	BITSTRING	1	SLFPFLG2	MATCH ROUTINE IN CONTROL
2	(2)	BITSTRING	1	SLFPFLG3	
		1... ..		SLFPCHDU	CHNGDUMP ROUTINE IS IN CONTROL
		.1.		SLFPDU	DUMPIT ROUTINE IS IN CONTROL
		..1.		SLFPDETR	DETRMODE ROUTINE IS IN CONTROL
		...1		SLFPADR	IEAVTADR IS IN CONTROL
		.... 1...		SLFPFPR	FLOATING POINT REGISTER MUST BE RESTORED
		.... ..1.		SLFPSDLK	FOR DUMPIT SUBROUTINE, INDICATES THE SDUMP 4K BUFFER HAS BEEN LOCKED
		.... ...1		SLFPMTCH	MATCHING SLIP TRAP HAS BEEN FOUND
		.... ..1		SLFPLOCK	LOCAL LOCK IS HELD
3	(3)	BITSTRING	1	SLFPFLG4	
		11..		SLFPMAIN	CURRENT MAINLINE SLIP MODULE IN CONTROL
		..11		SLFPMRTN	CURRENT MATCH ROUTINE MODULE IN CONTROL
		.... 1...		SLFPSRTN	IEAVTSL IS IN CONTROL
		.... ..1.		SLFPMMSG992OBTAINED	Msg IEA992I info area has been obtained
		.... ...11		*	RESERVED
4	(4)	BITSTRING	1	SLFPFLG5	
		1... ..		SLFPINST	INSTRUCTION CAUSING PER INTERRUPT IS BEING EXAMINED
		.1.		SLFPUDA	USER DATA IS BEING RETRIEVED
		..1.		SLFPSAEX	INSTRUCTION CAUSING PER INTERRUPT IS BEING EXAMINED IN ASIDSA SUBROUTINE
		...1		SLFPCMTS	CMSET SSARTO ISSUED IN IEAVTSL
		.... 1...		SLFPCMD1	CMSET IN DSSA ROUTINE WITHIN IEAVTSL1
		.... .1..		SLFPCMT2	CMSET SSARTO ISSUED IN IEAVTSL2
		.... ..1.		SLFPCMP2	CMSET DONE IN PVTMOD SEGMENT IN IEAVTSL2
		.... ...1		SLFPCM2S	CMSET IN ASIDLST ROUTINE WITHIN IEAVTSL
5	(5)	BITSTRING	1	SLFPFLG6	RECOVERY FLAGS
		1... ..		SLFPCMT1	CMSET IN ASIDSA ROUTINE WITHIN IEAVTSL1
		.1.		SLFPJC3	ASVT accessed without serialization in IEAVTSL3
		..1.		SLFPWALK	Wait area lock obtained
		...1		SLFPVALK	SCVA DUMP LOCK OBTAINED
		.... 1...		SLFPSVCD	SVCD ISSUED
		.... .1..		SLFPNRST	INTERRUPTED WORK WAS STOPPED AND NEEDS TO BE RESET
		.... ..1.		SLFPCPU	CPU LOCK OBTAINED FOR CALLING SERVICE
		.... ...1		SLFPCML	CML LOCK OBTAINED, ASCB ADDRESS IS IN SLWAPASC
6	(6)	BITSTRING	1	SLFPFLG7	Recovery flags
		1... ..		SLFPJCT	ASVT accessed without serialization in IEAVTSLT
		.1.		SLFPCMSETINSLDRANGE	

SLFP Constants • SLFP Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1.		SLFPCMSETINSLDPVPMOD	Issued CMSET in IEAVTSLD for range keyword
		...1		SLFPASVTACCESSEDINSLD	Issued CMSET in IEAVTSLD for pvtmod keyword
		.... 1...		SLFPSCSERIALIZEDTWICE	Accessing Asvt without serialization in IEAVTSLD
		.... .1..		SLFPSLDINCONTROL	Sce chain was serialized on (a second time)
		.... ..1.		SLFPLOWCOREPROTECTIONREMOVED	Indicates that we are in module IEAVTSLD
		.... ...1		SLFPCMSETINSL3	Indicates that low core protection has been removed
7	(7)	BITSTRING	1	SLFPFLG8	Indicates we are issuing a CMSET SSARTO in IEAVTSL3
		1...		SLFPASVTACCESSEDINSL6	More recovery flags
		.1..		SLFPCMSETINSL6STDATA	Accessing Asvt without serialization in IEAVTSL6
		..1.		SLFPCAPTUREINSL6	Issued CMSET in IEAVTSL6 for STDATA keyword
		...1		SLFPASVTACCESSEDSYSLIST	Attempting to capture data for STDATA in IEAVTSL6
		.... 1...		SLFPCMSETSUSLIST	Accessing Asvt without serialization while processing syslist in IEAVTSL7
		.... .1..		SLFPRESOLVESUSLIST	Issued a CMSET in IEAVTSL7 while processing SYSLIST
		.... ..1.		SLFPCMSETAPARM1	Attempting to resolve a system name for Syslist processing in IEAVTSL7
		.... ...1		SLFPASVTACCESSEDINSL2	Issued a CMSET in IEAVTSL2 while processing APARM1
8	(8)	ADDRESS	4	SLFPSTK	Accessing Asvt without serialization in IEAVTSL2
12	(C)	ADDRESS	4	SLFPSTW	ADDRESS OF INTERRUPTED STACK THAT WAS CURRENT ON ENTRY TO IEAVTSLP
16	(10)	ADDRESS	4	SLFPSCE	WORK AREA ADDR (PASSED IN SLPLLSTW)
20	(14)	ADDRESS	4	SLFPSA	POINTER TO FIRST SCE THAT DOES NOT NEED THE USE COUNT DECREMENTED
					POINTER TO SAVE AREA PASSED TO IEAVTSLP

SLFP Constants

Len	Type	Value	Name	Description
0	BIT	00	SLFPSTP	IEAVTSLP IS IN CONTROL
0	BIT	01	SLFPSTLB	IEAVTSLB IS IN CONTROL
0	BIT	10	SLFPSTLE	IEAVTSLE IS IN CONTROL
0	BIT	00	SLFPMRNL	NO MATCH ROUTINE MODULE IS IN CONTROL
0	BIT	01	SLFPSTL1	IEAVTSL1 IS IN CONTROL
0	BIT	10	SLFPSTL2	IEAVTSL2 IS IN CONTROL
0	BIT	11	SLFPSTL3	IEAVTSL3 IS IN CONTROL

SLFP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SLFP	0		SLFPCMSETINSLDRANGE		
SLFPADR	2	10		6	40
SLFPASVTACCESSEDINSLD			SLFPCMSETINSL3		
	6	10		6	01
SLFPASVTACCESSEDINSL2			SLFPCMSETINSL6STDATA		
	7	01		7	40
SLFPASVTACCESSEDINSL6			SLFPCMSETSUSLIST		
	7	80		7	08
SLFPASVTACCESSEDSYSLIST			SLFPCMTS	4	10
	7	10	SLFPCMT1	5	80
SLFPCAPTUREINSL6			SLFPCMT2	4	04
	7	20	SLFPCM2S	4	01
SLFPCHDU	2	80	SLFPCPU	5	02
SLFPCMD1	4	08	SLFPDETR	2	20
SLFPCML	5	01	SLFPDU	2	40
SLFPCMP2	4	02	SLFPFLGS	0	
SLFPCMSETAPARM1			SLFPFLG1	0	
	7	02	SLFPFLG2	1	
SLFPCMSETINSLDPVPMOD			SLFPFLG3	2	
	6	20	SLFPFLG4	3	

Name	Hex Offset	Hex Value
SLFPFLG5	4	
SLFPFLG6	5	
SLFPFLG7	6	
SLFPFLG8	7	
SLFPFPR	2	08
SLFPFRR	0	01
SLFPINST	4	80
SLFPISTK	8	
SLFPJCT	6	80
SLFPJC3	5	40
SLFPLOCK	2	01
SLFPLOWCOREPROTECTIONREMOVED		
	6	02
SLFPLSTW	C	
SLFPMAIN	3	C0
SLFPMRTN	3	30
SLFPMSG992OBTAINED		
	3	04
SLFPMTCH	2	02
SLFPNRST	5	04
SLFPPER	0	20
SLFPRESOLVESYSLIST		
	7	04
SLFPRST	0	04
SLFPRTM	0	10
SLFPRTS	0	80
SLFPRT2	0	40
SLFPSA	14	
SLFPSAEX	4	20
SLFPSCE	10	
SLFPSCESERIALIZEDTWICE		
	6	08
SLFPSDLK	2	04
SLFPSLDINCONTROL		
	6	04
SLFPSM	0	08
SLFPSRTN	3	08
SLFPSVCD	5	08
SLFPUDA	4	40
SLFPVAL	0	02
SLFPVALK	5	10
SLFPWALK	5	20

SLPL Information

SLPL Heading Information

Common Name: Slip Control Element
Macro ID: IHASLPL
DSECT Name: SLPL
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239 or 255
 Key: 0
 Residency: ANY
Size: 96 bytes
Created by: IEAVTRTM, IEAVTRTS, IEAVTRT2, IEAVTPER
Pointed to by: Register 1
Serialization: None
Function: The SLPL maps the SLIP parameter list used when a module calls IEAVTSLP. On entry to IEAVTSLP, this parameter list is pointed to by register one.

SLPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SLPL	
0	(0)	BITSTRING	1	SLPLENV	ENVIRONMENT CALLING IEAVTSLP
		.... ..1		SLPLERTS	"X'01" IEAVTRTS ENVIRONMENT
		.... ..1.		SLPLERT2	"X'02" IEAVTRT2 ENVIRONMENT
		.... ..11		SLPLERTM	"X'03" IEAVTRTM ENVIRONMENT (MEMTERM)
		.... ..1..		SLPLEPC	"X'04" IEAVECP ENVIRONMENT (PER)
1	(1)	CHARACTER	2		RESERVED
3	(3)	BITSTRING	1	SLPLFLGS	FLAGS (RTM ONLY)
		11..		SLPLASC	"X'C0" ADDRESS SPACE CONTROL BITS
		..1.		SLPLPGNL	"X'20" PURGE-ONLY CALL FROM RTM2
4	(4)	ADDRESS	4	SLPLLSTW	WORK AREA TO COPY LIST FORM OF MACROS
8	(8)	ADDRESS	4	SLPLRTSF (0)	RTS ENV - RTS FRR STACK ADDRESS
8	(8)	ADDRESS	4	SLPLRT2W (0)	RT2 ENV - RTM2WA ADDRESS
8	(8)	ADDRESS	4	SLPLASCB	RTM ENV - ASCB BEING MEMTERMED
12	(C)	ADDRESS	4	SLPLMADR	RTM ENV - ADDR WHERE MEMTERM ISSUED
16	(10)	CHARACTER	72	SLPLWA	GENERAL WORK AREA FOR IEAVTSLP
88	(58)	CHARACTER	8	SLPLCRGS (0)	RTM ENV ONLY - CR3 & CR4 AT THE TIME MEMTERM WAS ISSUED
88	(58)	CHARACTER	4	SLPLCR3 (0)	CONTROL REGISTER 3
88	(58)	CHARACTER	2	SLPLKM	KEY MASK
90	(5A)	CHARACTER	2	SLPLSASD	SASID
92	(5C)	CHARACTER	4	SLPLCR4 (0)	CONTROL REGISTER 4
92	(5C)	CHARACTER	2	SLPLAX	AUTHORIZATION INDEX
94	(5E)	CHARACTER	2	SLPLPASD	PASID
16	(10)	BITSTRING	8	SLPLA64 (0)	64-bit address
16	(10)	BITSTRING	8	SLPLA64L (0)	64-bit address of low
16	(10)	BITSTRING	4	SLPLA64LH	High half of low
20	(14)	BITSTRING	4	SLPLA64LL	Low half of low
24	(18)	BITSTRING	8	SLPLERR (0)	Error location
24	(18)	BITSTRING	4	SLPLERRH	High half of SLPLERR
28	(1C)	BITSTRING	4	SLPLERRL	Low half of SLPLERR
32	(20)	SIGNED	4	SLPLLKWD (0)	FOR BUILDING THE RESTART LOCKWORD
32	(20)	CHARACTER	2	SLPLLKCP	
34	(22)	CHARACTER	2	SLPLLKID	
36	(24)	CHARACTER	18	SLPLKWA	KEYWORD WORK AREA
54	(36)	SIGNED	2	SLPL412N (0)	WORK AREA FOR 412 MESSAGE COUNTER
54	(36)	CHARACTER	1		
55	(37)	SIGNED	1	SLPLXXXN	WORK AREA FOR SCSEM992 COUNTER
56	(38)	ADDRESS	4	SLPLENDA	PTR TO END OF LIST OF ADDRESSES TO BE CONVERTED OR END OF SCVA
60	(3C)	ADDRESS	4	SLPLSCVA	SCVAPTR SAVE AREA
64	(40)	SIGNED	4	SLPLR141	GPR 14 SAVE AREA
68	(44)	SIGNED	4	SLPLR142	GPR 14 SAVE AREA
72	(48)	BITSTRING	8	SLPLA64H (0)	64-bit address of high
72	(48)	BITSTRING	4	SLPLA64HH	High half of high
76	(4C)	BITSTRING	4	SLPLA64HL	Low half of high
80	(50)	CHARACTER	4		

SLPL Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
REDEFINITION OF SLPLA64, ERR, LKWD, AND KWA FOR DEBUGGING INFORMATION WHEN EOL PUTS SYSTEM IN A WAIT STATE					
End of Comment					
20	(14)	CHARACTER	28	SLPLWWRK (0)	
20	(14)	CHARACTER	1	SLPLWTYP	ENTRY TYPE
21	(15)	CHARACTER	2	SLPLWCPU	LOGICAL CPU
23	(17)	CHARACTER	1	SLPLWSM	SAVE AREA FOR SYSTEM MASK
24	(18)	ADDRESS	4	SLPLWREG	PTR TO REGISTERS
28	(1C)	ADDRESS	4	SLPLWPSW	PTR TO PSW
32	(20)	ADDRESS	4	SLPLWVAR	RTM ENTRY - PTR TO ASCB BEING MEMTERMED RT2 ENTRY - PTR TO RTM2WA RTS ENTRY - PTR TO SDWA PER ENTRY - PTR TO PER CODE
36	(24)	ADDRESS	4	SLPLWCRS	PTR TO CONTROL REGS 3 & 4
40	(28)	ADDRESS	4	SLPLWARS	PTR TO ACCESS REGISTERS
44	(2C)	ADDRESS	4	SLPLWG64H	PTR TO G64H

SLPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SLPL	0		SLPLXXXN	37	
SLPLASC	3	C0	SLPL412N	36	
SLPLASCB	8				
SLPLAX	5C				
SLPLA64	10				
SLPLA64H	48				
SLPLA64HH	48				
SLPLA64HL	4C				
SLPLA64L	10				
SLPLA64LH	10				
SLPLA64LL	14				
SLPLCRGS	58				
SLPLCR3	58				
SLPLCR4	5C				
SLPLENDA	38				
SLPLENV	0				
SLPLEPC	0	4			
SLPLERR	18				
SLPLERRH	18				
SLPLERRL	1C				
SLPLERTM	0	3			
SLPLERTS	0	1			
SLPLERT2	0	2			
SLPLFLGS	3				
SLPLKM	58				
SLPLKWA	24				
SLPLLKCP	20				
SLPLLKID	22				
SLPLLKWD	20				
SLPLLSTW	4				
SLPLMADR	C				
SLPLPASD	5E				
SLPLPGNL	3	20			
SLPLRTSF	8				
SLPLRT2W	8				
SLPLR141	40				
SLPLR142	44				
SLPLSASD	5A				
SLPLSCVA	3C				
SLPLWA	10				
SLPLWARS	28				
SLPLWCPU	15				
SLPLWCRS	24				
SLPLWG64H	2C				
SLPLWPSW	1C				
SLPLWREG	18				
SLPLWSM	17				
SLPLWTYP	14				
SLPLWVAR	20				
SLPLWWRK	14				

SLR Information

SLR Heading Information

Common Name: SLR - Subchannel Logout Record
Macro ID: IOSDSLRL
DSECT Name: SLR
Owning Component: I/O Supervisor (SC1C3)
Eye-Catcher ID:
Offset: 0
Length: 4
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: 245
 Key: 0
 Data Space: N/A
 Residency: ABOVE 16M LINE
Size: See Listing
Created by: IOSRSLH
Pointed to by: N/A
Serialization: N/A
Function: Maps the Subchannel LOGREC record type x'23'

SLR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	216	SLR	
0	(0)	CHARACTER	24	SLRHEADR	LOGREC HEADER - See LRB mapping macro for field descriptions. Record type (first byte of record) will contain X'23'.
24	(18)	CHARACTER	192	SLRDATA	Record dependent data
24	(18)	CHARACTER	8	SLRJOBNM	JOBNAME from ASID initiating I/O request
32	(20)	CHARACTER	8	SLRLSCCW	Last executed CCW
40	(28)	CHARACTER	4	SLRDEVTP	Device type from UCB
44	(2C)	CHARACTER	8	SLRERPIB	ERPIB built by SLH for ERP
52	(34)	CHARACTER	64	SLRIRB	IRB
116	(74)	ADDRESS	4	SLRUCBA	UCB common address
120	(78)	CHARACTER	2	SLRDEVNO	Device number - Hex
122	(7A)	CHARACTER	6	SLRVOL	Volume serial number
128	(80)	CHARACTER	5	SLRCYLEV	UCB level byte and level mask
133	(85)	UNSIGNED	1	SLRVERS	Version number
134	(86)	BITSTRING	1	SLRVPATH	ERP channel paths to be varied offline
135	(87)	UNSIGNED	1	SLRCHPID	Channel Path ID
136	(88)	SIGNED	4	SLRSID	Subchannel ID number
140	(8C)	ADDRESS	4	SLRSMADR	Absolute address passed to RSM on storage or key error detected by channel.
144	(90)	SIGNED	2	SLRSMRC	Return code from RSM for storage or key error.
146	(92)	SIGNED	2	SLRSMERR	Error type: 1 = storage error, 2 = key error
148	(94)	BITSTRING	4	SLRSMFLG	Status information returned by RSM

Comment

Start of the version 1 extension of the SLR

End of Comment

152	(98)	CHARACTER	32	SLRV1_DATA	Version 1 Extension
152	(98)	BITSTRING	1	SLRV1_FLAG1	Flag one
		1...		SLRV1_PCHID_VALID	

Comment

The physical channel id in SLRV1_PCHID is valid

End of Comment

		.1..		SLRV1_FCX	FICON Channel Extensions I/O indicator
		..1.		SLRV1_EADM	EADM Indicator
		...1 1111		*	Reserved
153	(99)	UNSIGNED	1	*	Reserved
154	(9A)	UNSIGNED	2	SLRV1_PCHID	Physical channel id
156	(9C)	CHARACTER	3	*	Reserved
159	(9F)	UNSIGNED	1	SLRV1_QUAD_NUMBER	Number of quadruplets

SLR Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
The QUAD system is a system that allows SLR records to be extended beyond a large block. There are 3 areas to extend. The first extension is for XSLD Data, the second is for EAOB data.					
End of Comment					
160	(A0)	CHARACTER	24	SLRV1_QUADS	Quadruplets
160	(A0)	CHARACTER	8	SLRV1_QUAD	Quadruplet
160	(A0)	ADDRESS	4	(4294967299:562121080) SLRV1_QUAD_OFFSET	
160	(A0)	ADDRESS	4	SLRV1_QUAD_OFFSET_PTR	Offset to data sections In order to save memory the OFFSET is set to a pointer to the extension and then is converted to an offset when the area is recorded
164	(A4)	UNSIGNED	2	SLRV1_QUAD_LENGTH	Length of a data section
166	(A6)	UNSIGNED	1	SLRV1_QUAD_COUNT	Count of data sections
167	(A7)	1111		SLRV1_QUAD_FMT	Format of data sections
		.... 1111		*	Reserved
Comment					
Start of the version 2 extension of the SLR					
End of Comment					
184	(B8)	CHARACTER	32	SLRV2_DATA	Version 2 Extension
184	(B8)	CHARACTER	32	SLRV2_DNED	I/O device NED
216	(D8)	CHARACTER	0	SLREND	End of SLR

SLR Constants

Len	Type	Value	Name	Description
Comment				
DECLARES for SLR version number (SLRVERS)				
End of Comment				
4	DECIMAL	0	SLR_VERSION_ZERO	Version 0
4	DECIMAL	1	SLR_VERSION_ONE	Version 1
4	DECIMAL	2	SLR_VERSION_TWO	Version 2
4	DECIMAL	2	SLR_CURRENT_VERSION	
Comment				
DECLARES for SLR recording categories				
End of Comment				
0	BIT	00	SLRINTC	Initialize field
0	BIT	01	SLRHARD	Hard recording
0	BIT	10	SLRDEGR	Degrade recording
0	BIT	11	SLRSOFT	Soft recording
Comment				
DECLARES for Quadruplet indices				
End of Comment				
1	DECIMAL	1	XSLDDATA	XSLD data index
1	DECIMAL	2	SLR_EAOBDATAIDX	EAOB data index

SLR Cross Reference

Name	Hex Offset	Hex Value
SLR	0	
SLRCHPID	87	
SLRCYLEV	80	
SLRDATA	18	
SLRDEVNO	78	
SLRDEVTP	28	
SLREND	D8	
SLRERPIB	2C	
SLRHEADR	0	
SLRIRB	34	
SLRJOBNM	18	
SLRLSCCW	20	
SLRSID	88	
SLRSMADR	8C	
SLRSMERR	92	
SLRSMFLG	94	
SLRSMRC	90	
SLRUCBA	74	
SLRVERS	85	
SLRVOL	7A	
SLRVPATH	86	
SLRV1_DATA	98	
SLRV1_EADM	98	20
SLRV1_FCX	98	40
SLRV1_FLAG1	98	
SLRV1_PCHID	9A	
SLRV1_PCHID_VALID	98	80
SLRV1_QUAD	A0	
SLRV1_QUAD_COUNT	A6	
SLRV1_QUAD_FMT	A7	F0
SLRV1_QUAD_LENGTH	A4	
SLRV1_QUAD_NUMBER	9F	
SLRV1_QUAD_OFFSET	A0	
SLRV1_QUAD_OFFSET_PTR	A0	
SLRV1_QUADS	A0	
SLRV2_DATA	B8	
SLRV2_DNED	B8	

SLWA Information

SLWA Heading Information

Common Name: RTM SLIP Work Area
Macro ID: IHASLWA
DSECT Name: SLWA
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239 or 255
 Key: 0
 Residency: ANY
Size: Variable
Created by: IEAVTRTM, IEAVTRTS, IEAVTRT2, IEAVTPER
Pointed to by: SLPLLSTW
Serialization: None
Function: Work area used by the SLIP action processor.

SLWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1296	SLWA	
0	(0)	CHARACTER	136	SLWANORM	
0	(0)	CHARACTER	96	SLWAGWA	GENERAL WORK AREA
0	(0)	CHARACTER	72	SLWAPLST	NORMALLY USED FOR COPYING LIST FORM MACROS
0	(0)	CHARACTER	4	SLWAFPC	Saved for short duration
72	(48)	CHARACTER	24	SLWAPLSTX	EXTENSION FOR SLWAPLST
96	(60)	CHARACTER	40	SLWACWA	COMMON WORK AREA, ONLY COMMON PART OF SLIP WORK AREAS UNTOUCHED WHEN REQUESTING AN SDUMP
96	(60)	BITSTRING	2	SLWACW	SYSTEM MODE AT ERROR TIME
96	(60)	BITSTRING	1	SLWACW1	MAPS THE SAME AS THE RTM MODE BYTE
		1... ..		SLWASUPR	SUPERVISOR CONTROL MODE
		.1.. ..		SLWADIS	PHYSICALLY DISABLED MODE
		..1.		SLWAGSPN	GLOBAL SPIN LOCK MODE
		...1		SLWAGSUS	GLOBAL SUSPEND LOCK MODE
		.... 1...		SLWALOC	LOCALLY LOCKED MODE
		.... .1..		SLWATYP1	TYPE 1 SVC MODE
		.... ..1.		SLWASRB	SRB MODE
		.... ...1		SLWATCB	TASK MODE
97	(61)	BITSTRING	1	SLWACW2	
		1... ..		SLWARECV	RECOVERY ERROR
		.1..		SLWAPS	PP STATE
		..1.		SLWASS	SUPER STATE
		...1		SLWASK	SUPER KEY
		.... 1...		SLWAPK	PP KEY
		.... .1..		SLWAGLOC	ANY GLOBAL LOCK
		.... ..1.		SLWALOCK	ANY LOCK
		.... ...1		SLWAHOME	INSTRUCTION EXECUTED IN HOME MODE
98	(62)	BITSTRING	2	SLWADBUG	DEBUG FLAGS FOR DEBUG TRACE RECORD-- VALUE IN BYTE SLWADB1 INDICATES ROUTINE THAT FAILED: 00 - RESERVED 01 - END 02 - COMP 03 - ASID 04 - JOBNAME 05 - JSPGM 06 - PVTMOD 07 - LPAMOD 08 - ADDRESS 09 - MODE 10 - ERRYP 11 - RESERVED 12 - RESERVED 13 - RANGE 14 - DATA 15 - RESERVED 16 - RESERVED 17 - RESERVED 18 - RESERVED 19 - RESERVED 20 - ASIDSA 21 - RESERVED 22 - REASON 23 - NUCMOD 24 - PSWASC 25 - RESERVED 26 - DSSA
98	(62)	BITSTRING	1	SLWADB1	
99	(63)	BITSTRING	1	SLWADB2	
100	(64)	CHARACTER	1	SLWAFLG0	GENERAL INFO FLAGS
		1... ..		SLWAASUN	ASID IS UNAVAILABLE
		.1..		SLWARBUN	RB LEVEL SPECIFIED IS UNAVAILABLE
		..1.		SLWANLOC	LLOC NOT CONVERTED
		...1		SLWANDMP	NO DUMP CAN BE TAKEN
		.... 1...		SLWATDMP	ON, DUMP CAN BE TAKEN
		.... .1..		SLWASCEC	ON, STOP SCANNING SCE
		.... ...11		*	RESERVED
101	(65)	CHARACTER	1	SLWAFLG1	GENERAL INFO FLAGS
		1... ..		SLWABDCK	ENTRY TOD VALUE IS INVALID
		.1..		SLWAPERS	STOP INCREMENTING SCE USE COUNTS AT THE NON-IGNORE PER TRAP
		..1.		SLWAPERT	STOP TESTING TRAPS (ENABLED NON- IGNORE TRAP WAS TESTED
		...1		SLWAMLDS	A TRAP HAS BEEN DISABLED DUE TO MATCHLIM
		.... 1...		SLWACVT1	FIRST ADDRESS OF DIRECT/ INDIRECT ADDR PAIR IS BEING CONVERTED
		.... ..1..		SLWAERR1	ERROR CONVERTING FIRST ADDRESS OF PAIR

SLWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ..1.		SLWASDIP	SDUMP IN PROGRESS WHEN SLIP HAD TO MODIFY FIELDS USED BY SDUMP
		.... ..1		SLWAPLDS	A TRAP HAS BEEN DISABLED DUE TO PERCENT LIMIT PROCESSING
102	(66)	CHARACTER	2	SLWACPSD	SAVE PASID FOR CMSET
104	(68)	ADDRESS	4	SLWASAV2	PTR TO REGS FOR SELECTED RBLEVEL
108	(6C)	ADDRESS	4	SLWASAVE	PTR TO RB CONTAINING PSW FOR SELECTED RBLEVEL
112	(70)	ADDRESS	4	SLWAR14	SAVE RETURN ADDRESS
116	(74)	CHARACTER	4	SLWATEMP	TEMPORARY SAVE AREA
116	(74)	CHARACTER	2	SLWATMP	TEMPORARY SAVE AREA
116	(74)	CHARACTER	1	*	TEMPORARY SAVE AREA
117	(75)	CHARACTER	1	SLWATMP2	TEMPORARY SAVE AREA
118	(76)	CHARACTER	1	*	TEMPORARY SAVE AREA
119	(77)	CHARACTER	1	SLWATMP4	TEMPORARY SAVE AREA
120	(78)	ADDRESS	4	SLWAARSV	-> AR AREA
124	(7C)	ADDRESS	4	SLWAG64HSV	-> G64H AREA

Comment

The list of sybolics for all environments begins at the end of the SLWA (SLWANORM).

The list of symbolics for PER only continues at the beginning of the PER only portion of the SLWA (SLWAEXT). The order of the symbolic declares MUST be exactly the same as in VTSymbolics in IHASHDR.

End of Comment

128	(80)	CHARACTER	8	SLWASYMBOLICLIST	Symbolic list applicable to all environments
128	(80)	CHARACTER	8	SLWABEA	BEAR symbolic
136	(88)	CHARACTER	1160	SLWAEXT	WORK AREA PROVIDED ONLY FOR PER ENVIRONMENT
136	(88)	CHARACTER	8	SLWAPERSYMBOLICLIST	PER only symbolics
136	(88)	CHARACTER	8	SLWABPER	Beginning PER range
144	(90)	CHARACTER	8	SLWACKIT	TOD CLOCK NEAR ENTRY TO IEAVTSLP
144	(90)	CHARACTER	4	SLWACKIL	LEFT HALF OF ENTRY TOD
148	(94)	CHARACTER	4	SLWACKIR	RIGHT HALF OF ENTRY TOD
152	(98)	ADDRESS	4	SLWARC	RETURN CODE FOR PER ENTRIES
152	(98)	BITSTRING	3	*	
155	(9B)	.... 1..		SLWAFDSP	REQUEST PFLIH TO ENTER DISP FOR STOPPED UNIT OF WORK DUE TO A=SUSDUMP
		.... ..1.		SLWAFRCV	REQUEST PFLIH TO FORCE RECOVERY FOR INTERRUPTED PROCESS
		.... ..1.		*	RESERVED
		.... ..1		SLWAPOFF	IEAVTPER MUST TURN PER OFF IN RESUME PSW
156	(9C)	ADDRESS	4	SLWAENIP	POINTER TO SCE FOR ENABLED NON-IGNORE PER TRAP
160	(A0)	ADDRESS	4	SLWASCE	SAVE AREA FOR SCE POINTER
164	(A4)	ADDRESS	4	SLWACR9	COPY OF CONTROL REGISTER 9
		1..		SLWACRSB	PER SUCCESSFUL-BRANCH EVENT MASK
		.1.		SLWACRIF	PER INSTRUCTION-FETCH EVENT MASK
		..1.		SLWACRSA	PER STORAGE-ALTERATION EVENT MASK
164	(A4)	BITSTRING	3	*	
168	(A8)	CHARACTER	8	*	Unused
176	(B0)	CHARACTER	8	SLWACKOT	TOD CLOCK NEAR EXIT FROM IEAVTSLP
176	(B0)	CHARACTER	4	SLWACKOL	LEFT HALF OF EXIT TOD
180	(B4)	CHARACTER	4	SLWACKOR	RIGHT HALF OF EXIT TOD
184	(B8)	CHARACTER	8	SLWACKPT	TOTAL ACCUMULATED PER INTERRUPT PROCESSING TIME
184	(B8)	CHARACTER	4	SLWACKPL	LEFT HALF OF ACCUMULATED TIME
188	(BC)	CHARACTER	4	SLWACKPR	RIGHT HALF OF ACCUMULATED TIME
192	(C0)	CHARACTER	8	SLWACKET	TOTAL ELAPSED TIME SINCE FIRST VALID PER INTERRUPT
192	(C0)	CHARACTER	4	SLWACKEL	LEFT HALF OF ELAPSED TIME
196	(C4)	CHARACTER	4	SLWACKER	RIGHT HALF OF ELAPSED TIME
200	(C8)	BITSTRING	8	SLWACPUN	FLOATING POINT ONLINE CPU COUNT
208	(D0)	BITSTRING	8	SLWAFPR0	SAVE AREA FOR FPR 0
216	(D8)	CHARACTER	8	SLWACKST	COPY OF ACCUMULATED PER PROCESSING TIME FROM SCVA
216	(D8)	CHARACTER	4	SLWACKSL	LEFT HALF OF SCVA ACCUMULATED TIME
220	(DC)	CHARACTER	4	SLWACKSR	RIGHT HALF OF SCVA ACCUMULATED TIME
224	(E0)	CHARACTER	8	SLWAPCDM	CURRENT PER DEGRADATION (FLOATING POINT PERCENTAGE)
224	(E0)	CHARACTER	4	SLWAPCDL	LEFT HALF OF DEGRADATION PERCENTAGE
224	(E0)	CHARACTER	1	SLWAPCDX	EXPONENT OF DEGRADATION PERCENTAGE
225	(E1)	CHARACTER	3	*	
228	(E4)	CHARACTER	4	SLWAPCDR	RIGHT HALF OF DEGRADATION PERCENTAGE
232	(E8)	ADDRESS	4	SLWABGNM	BEGINNING DATA ADDRNS FOR MVCL
232	(E8)	ADDRESS	4	SLWAOTHER	STARTING ADDRESS
236	(EC)	ADDRESS	4	SLWAENDM	ENDING DATA ADDRESS FOR MVCL
240	(F0)	CHARACTER	4	SLWAPLSC	SAVE AREA FOR SCVAPLSC

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
244	(F4)	CHARACTER	8	SLWAFRFR	Fast FRR save areas
244	(F4)	CHARACTER	4	SLWAFFRR	SAVE AREA FOR PSAFFRR
248	(F8)	CHARACTER	4	SLWAFFRS	SAVE AREA FOR PSAFFRS
252	(FC)	CHARACTER	10	SLWASAVA	IEAVTPER WORK/SAVE AREA
252	(FC)	CHARACTER	4	SLWASAV1	IEAVTPER WORK/SAVE AREA
256	(100)	CHARACTER	4	SLWASAV3	IEAVTPER WORK/SAVE AREA
260	(104)	CHARACTER	2	SLWASAVP	SAVE AREA FOR PASID
262	(106)	CHARACTER	1	SLWAMISC	Miscellaneous communication flags
		1... ..		SLWATARGETTRAPACTIVATED	This bit is for communication between IEAVTSLD and IEAVTSLB. IEAVTSLB refers to this field to determine whether IEAVTSLD was successful in activating the target trap
		.111 1111		*	Unused
263	(107)	CHARACTER	1	SLWASAS	STORAGE ACCESS SPACE INFORMATION
		1... ..		SLWASASV	1 => INFO IS VALID
		.1..		SLWASASU	1 => INSTRUCTION UNAVAILABLE
		..11 1...		*	RESERVED
		.... .1..		SLWASTUR	SA by STURA
		.... ..11		SLWASASC	CODED AS ASC: 00-PRIM, 01-AR, 10-SEC, 11-HOME
264	(108)	CHARACTER	4	SLWAREC1	RECURSION SAVE AREA
264	(108)	CHARACTER	1	SLWAIPCD	SAVE AREA FOR PSAIPCD BYTE
265	(109)	CHARACTER	3	*	RESERVED
268	(10C)	CHARACTER	144	SLWAWKA	WORK AREA. USED FOR PER-ONLY SAVE AREA
412	(19C)	CHARACTER	368	SLWAREC2	RECURSION SAVE AREA (SAVE AREAS REFERENCED ONLY BY VTPER)
412	(19C)	CHARACTER	8	*	unused
420	(1A4)	CHARACTER	12	SLWAPGPR	SAVE AREA FOR PSAGPREG
432	(1B0)	CHARACTER	64	SLWALGPR	SAVE AREA FOR LCCASGPR
496	(1F0)	ADDRESS	4	SLWACSTK	SAVE AREA FOR PSACSTK
500	(1F4)	CHARACTER	1	SLWABITS	SAVE AREA FOR PSA BITS
		1... ..		SLWAPSVC	SAVE AREA FOR PSASVC BIT
501	(1F5)	CHARACTER	3	SLWAILCN	SAVE AREA FOR SVC ILC AND NUMBER
504	(1F8)	ADDRESS	4	SLWASSAV	SAVE AREA FOR PSASSAV
508	(1FC)	ADDRESS	4	SLWAESAV	SAVE AREA FOR PSAESAV1
512	(200)	CHARACTER	4	SLWAICOD	SAVE AREA FOR PSAEPPSW
516	(204)	CHARACTER	16	SLWASXMR	SAVE AREA FOR LCCASXMR
532	(214)	CHARACTER	64	SLWASLSA	SAVE AREA FOR PSASLSA
596	(254)	CHARACTER	8	SLWAEPS1	SAVE AREA FOR PSAEXPS1
604	(25C)	CHARACTER	8	SLWAEPS2	SAVE AREA FOR PSAEXPS2
612	(264)	ADDRESS	4	SLWAESV2	SAVE AREA FOR PSAESAV2
616	(268)	ADDRESS	4	SLWAESV3	SAVE AREA FOR PSAESAV3
620	(26C)	CHARACTER	128	SLWAXCR1	SAVE AREA FOR SCFSXCR1
748	(2EC)	CHARACTER	16	SLWAEXTOPSWE	SAVE AREA FOR EXT OLD PSW
748	(2EC)	CHARACTER	8	SLWAEPSW	SAVE AREA FOR FLCEOPSW
764	(2FC)	CHARACTER	16	SLWASVCOPSWE	SAVE AREA FOR SVC OLD PSW
764	(2FC)	CHARACTER	8	SLWASVCO	SAVE AREA FOR SVC OLD PSW
780	(30C)	CHARACTER	4	*	Unused
784	(310)	CHARACTER	16	SLWACG10AND11	
					CRs 10 and 11
784	(310)	CHARACTER	8	SLWACG10	CR 10 for ESAME
784	(310)	CHARACTER	4	*	Reserved
788	(314)	CHARACTER	4	SLWACR10	Low order part of CR10
792	(318)	CHARACTER	8	SLWACG11	CR 11 for ESAME
792	(318)	CHARACTER	4	*	
796	(31C)	CHARACTER	4	SLWACR11	Low order part of CR11
800	(320)	CHARACTER	8	*	Workarea for IEAVTSLP range processing
800	(320)	CHARACTER	8	SLWABGNMG	Beginning of range
800	(320)	CHARACTER	4	SLWABGNMGHIGH	
804	(324)	CHARACTER	4	SLWABGNMGLOW	
800	(320)	CHARACTER	8	SLWAOTHERG	
800	(320)	CHARACTER	4	SLWAOTHERGHIGH	
804	(324)	CHARACTER	4	SLWAOTHERGLOW	
808	(328)	CHARACTER	8	SLWAENDMG	End of range
808	(328)	CHARACTER	4	SLWAENDMGHIGH	
812	(32C)	CHARACTER	4	SLWAENDMGLOW	
816	(330)	CHARACTER	72	SLWAREC3	More Recursion savearea
816	(330)	CHARACTER	64	SLWAPSALKSA	SAVE AREA FOR PSALKSA
880	(370)	CHARACTER	4	SLWAPSALKCRF	SAVE AREA FOR PSALKCRF
884	(374)	CHARACTER	4	*	Reserved
888	(378)	CHARACTER	16	SLWACRGS	CR3/4 at the time of PER interrupt
888	(378)	CHARACTER	8	SLWACR3	CONTROL REGISTER 3
888	(378)	CHARACTER	4	*	
892	(37C)	CHARACTER	2	SLWAKM	KEY MASK
894	(37E)	CHARACTER	2	SLWASASD	SASID
896	(380)	CHARACTER	8	SLWACR4	CONTROL REGISTER 4

SLWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
896	(380)	CHARACTER	4	*	
900	(384)	CHARACTER	2	SLWAAX	AUTHORIZATION INDEX
902	(386)	CHARACTER	2	SLWAPASD	PASID
904	(388)	CHARACTER	392	SLWAREC4	More saving for recursion
904	(388)	CHARACTER	256	SLWAXSLSA	Save area for PSAXSLSA
1160	(488)	CHARACTER	64	SLWAPSATRSV1	Save area for PSATRSV1
1224	(4C8)	CHARACTER	8	SLWAPSATRSV2	Save area for PSATRSV2
1232	(4D0)	CHARACTER	64	SLWAPSATRSV1	Save area for PSATRSV1

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	44	*	REDEFINITION OF NORMAL WORK AREA FOR USE BY PVTMOD MATCH ROUTINE
0	(0)	SIGNED	4	SLWAXCTR	COUNTER FOR EXTENT LIST LOOP SEARCH
4	(4)	ADDRESS	4	SLWACDE	SAVE AREA FOR MINOR CDE POINTER
8	(8)	ADDRESS	4	SLWAPASC	ASCB ADDRESS OF CML OBTAINED
12	(C)	ADDRESS	4	SLWACDXPTR	Pointer to CDX
16	(10)	ADDRESS	4	SLWAMINMAJPTR	Address of CDE returned from Csvcdxf
20	(14)	CHARACTER	8	SLWACSVWORKAREA	Workarea for CSV
28	(1C)	BITSTRING 1...	1	* SLWAMODULEMATCH	Indicates path names matched
29	(1D)	CHARACTER	1	*	
30	(1E)	UNSIGNED	2	SLWACSVCDXF_HVAL	
32	(20)	ADDRESS	4	SLWACSVCDXFSAVER2	
36	(24)	ADDRESS	4	SLWACSVCDXFSAVER3	
40	(28)	ADDRESS	4	SLWACSVCDXFSAVER4	
44	(2C)	CHARACTER	0	SLWAPVTMODEND	End of structure

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	STRUCTURE	264	*	
136	(88)	CHARACTER	64	SLWAMTAR	ARS FROM MEMTERM 1@P5D
200	(C8)	CHARACTER	128	SLWAMTC64S	ESAME memterm CRs
200	(C8)	CHARACTER	24	*	CRs 0-2
224	(E0)	CHARACTER	16	SLWAMTCR3AND4	CRs 3-4
240	(F0)	CHARACTER	88	*	CRs 5-15
328	(148)	CHARACTER	64	SLWAMTG64H	G64H from MEMTERM
392	(188)	CHARACTER	8	*	No longer used

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	72	DUMPWA	
0	(0)	CHARACTER	4	DWAASIDLIST	Pointers used to process ASIDLST parm
0	(0)	ADDRESS	4	DWALISTENTST	ENTRY START
4	(4)	CHARACTER	8	DWALIST	FOR LIST KEYWORD
4	(4)	ADDRESS	4	DWALISTDENTST	LIST64 entry
8	(8)	ADDRESS	4	DWALISTDENTEND	LIST64 end
12	(C)	CHARACTER	8	DWASLST	FOR SUMLIST KEYWORD
12	(C)	ADDRESS	4	DWASLSTLENTST	SUMLIST64 entry
16	(10)	ADDRESS	4	DWASLSTLENTEND	SUMLIST64 entry end
20	(14)	CHARACTER	8	DWACURR	FOR LIST/SUMLIST (CURRENT)
20	(14)	ADDRESS	4	DWACURRDENTST	LISTD/SUMLISTL 64 entry
24	(18)	ADDRESS	4	DWACURRDENTEND	LISTD/SUMLISTL 64 entry end
28	(1C)	CHARACTER	16	DWASAVADDRS	SAVED ADDRESSES
28	(1C)	CHARACTER	16	*	
28	(1C)	CHARACTER	8	DWASAVSTOKEN	SAVED STOKEN
28	(1C)	CHARACTER	16	*	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	CHARACTER	8	DWASAV164	Saved 64 bit address
28	(1C)	CHARACTER	4	DWASAV1HIGH	
32	(20)	ADDRESS	4	DWASAV1	SAVED ADDRESS
32	(20)	SIGNED	2	DWASAV1A	
34	(22)	SIGNED	2	DWASAV1B	
36	(24)	CHARACTER	8	DWASAV264	Saved 64 bit address
36	(24)	CHARACTER	4	DWASAV2HIGH	
40	(28)	ADDRESS	4	DWASAV2	SAVED ADDRESS
40	(28)	SIGNED	4	DWASAV2A	WHEN DWASAVSTOKEN IS USED ON SUMLIST PATH
40	(28)	SIGNED	2	DWASAV2A	
42	(2A)	SIGNED	2	DWASAV2B	
44	(2C)	ADDRESS	4	DWASCVADMP	
48	(30)	BITSTRING	1	DWAFLAGS	
		1...		DWASTKNSAVED	1 => TOKEN WAS SAVED
		.1..		DWAPROCASID	1 => PROCESSING ASID
		..1.		DWAOUTOFORDER	1 => ADDRESSES OUT OF ORDER
		...1		DWACNVERR	1 => ERROR IN CONVERTING ADDRESS
		.... 1...		DWAVALASID	1 => VALID ADDRESS SPACE
		.... .1..		DWAVALDS	1 => VALID DATA SPACE
		.... ..1.		DWASUMLIST	1 => PROCESSING SUMLIST
		.... ...1		DWAALETSAVED	1 => Alet was saved
49	(31)	CHARACTER	3	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
72	(48)	STRUCTURE	24	DSPCALL_PL	
72	(48)	UNSIGNED	1	DSPC_LEVEL	Level -- 1
73	(49)	UNSIGNED	1	DSPC_REQUEST	Request type
74	(4A)	CHARACTER	2	*	Reserved
76	(4C)	CHARACTER	8	DSPC_STOKEN	Output STOKEN
84	(54)	ADDRESS	4	DSPC_ASCB	ASCB
84	(54)	ADDRESS	4	DSPC_ASTE	Input ASTE
88	(58)	CHARACTER	8	DSPC_DSPNAME	DSP name

SLWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSPC_ASCB	54		DWASAV1HIGH	1C	
DSPC_ASTE	54		DWASAV164	1C	
DSPC_DSPNAME	58		DWASAV2	28	
DSPC_LEVEL	48		DWASAV2A	28	
DSPC_REQUEST	49		DWASAV2B	2A	
DSPC_STOKEN	4C		DWASAV2HIGH	24	
DSPCALL_PL	48		DWASAV264	24	
DUMPWA	0		DWASCVADMP	2C	
DWAALETSAVED	30	01	DWASLST	C	
DWAASIDLIST	0		DWASLSTLENTEND		
DWACNVERR	30	10		10	
DWACURR	14		DWASLSTLENTST		
DWACURRDENTEND				C	
	18		DWASTKNSAVED	30	80
DWACURRDENTST			DWASUMLIST	30	02
	14		DWAVALASID	30	08
DWAFLAGS	30		DWAVALDS	30	04
DWALIST	4		SLWA	0	
DWALISTDENTEND			SLWAARSV	78	
	8		SLWAASUN	64	80
DWALISTDENTST			SLWAAX	384	
	4		SLWABDCK	65	80
DWALISTENTST	0		SLWABEA	80	
DWAOUTOFORDER			SLWABGNM	E8	
	30	20	SLWABGNMG	320	
DWAPROCASID	30	40	SLWABGNMGHIGH		
DWASAVADDRS	1C			320	
DWASAVALET	28		SLWABGNMGLOW	324	
DWASAVSTOKEN	1C		SLWABITS	1F4	
DWASAV1	20		SLWABPER	88	
DWASAV1A	20		SLWACDE	4	
DWASAV1B	22		SLWACDXPTR	C	

SLWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SLWACG10	310		SLWAGLOC	61	04
SLWACG10AND11			SLWAGSPN	60	20
	310		SLWAGSUS	60	10
SLWACG11	318		SLWAGWA	0	
SLWACKEL	C0		SLWAG64HSV	7C	
SLWACKER	C4		SLWAHOME	61	01
SLWACKET	C0		SLWAICOD	200	
SLWACKIL	90		SLWAILCN	1F5	
SLWACKIR	94		SLWAIPCD	108	
SLWACKIT	90		SLWAKM	37C	
SLWACKOL	B0		SLWALGPR	1B0	
SLWACKOR	B4		SLWALOC	60	08
SLWACKOT	B0		SLWALOCK	61	02
SLWACKPL	B8		SLWAMINMAJPTR		
SLWACKPR	BC			10	
SLWACKPT	B8		SLWAMISC	106	
SLWACKSL	D8		SLWAMLDS	65	10
SLWACKSR	DC		SLWAMODULEMATCH		
SLWACKST	D8			1C	80
SLWACPSD	66		SLWAMTAR	88	
SLWACPUN	C8		SLWAMTCR3AND4		
SLWACRGS	378			E0	
SLWACRIF	A4	40	SLWAMTC64S	C8	
SLWACRSA	A4	20	SLWAMTG64H	148	
SLWACRSB	A4	80	SLWANDMP	64	10
SLWACR10	314		SLWANLOC	64	20
SLWACR11	31C		SLWANORM	0	
SLWACR3	378		SLWAOTHER	E8	
SLWACR4	380		SLWAOTHERG	320	
SLWACR9	A4		SLWAOTHERGHIGH		
SLWACSTK	1F0			320	
SLWACSVCDXF_HVAL			SLWAOTHERGLOW		
	1E			324	
SLWACSVCDXFSAVER2			SLWAPASC	8	
	20		SLWAPASD	386	
SLWACSVCDXFSAVER3			SLWAPCDL	E0	
	24		SLWAPCDM	E0	
SLWACSVCDXFSAVER4			SLWAPCDR	E4	
	28		SLWAPCDX	E0	
SLWACSVWORKAREA			SLWAPERS	65	40
	14		SLWAPERSYMBOLICLIST		
SLWACVT1	65	08		88	
SLWACW	60		SLWAPERT	65	20
SLWACWA	60		SLWAPGPR	1A4	
SLWACW1	60		SLWAPK	61	08
SLWACW2	61		SLWAPLDS	65	01
SLWADBUG	62		SLWAPLSC	F0	
SLWADB1	62		SLWAPLST	0	
SLWADB2	63		SLWAPLSTX	48	
SLWADIS	60	40	SLWAPOFF	9B	01
SLWAENDM	EC		SLWAPS	61	40
SLWAENDMG	328		SLWAPSALKCRF	370	
SLWAENDMGHIGH			SLWAPSALKSA	330	
	328		SLWAPSATRSV	488	
SLWAENDMGLOW	32C		SLWAPSATRSV1	4D0	
SLWAENIP	9C		SLWAPSATRSV2	4C8	
SLWAEPSW	2EC		SLWAPSV	1F4	80
SLWAEPS1	254		SLWAPVTMODEND		
SLWAEPS2	25C			2C	
SLWAERR1	65	04	SLWARBUN	64	40
SLWAESAV	1FC		SLWARC	98	
SLWAESV2	264		SLWARECV	61	80
SLWAESV3	268		SLWAREC1	108	
SLWAEXT	88		SLWAREC2	19C	
SLWAEXTOPSWE	2EC		SLWAREC3	330	
SLWAFADR	F4		SLWAREC4	388	
SLWAFDSP	9B	08	SLWAR14	70	
SLWAFFRR	F4		SLWASAS	107	
SLWAFFRS	F8		SLWASASC	107	03
SLWAFLG0	64		SLWASASD	37E	
SLWAFLG1	65		SLWASASU	107	40
SLWAFPC	0		SLWASASV	107	80
SLWAFPRO	D0		SLWASAVA	FC	
SLWAFRCV	9B	04	SLWASAVE	6C	

Name	Hex Offset	Hex Value
SLWASAVP	104	
SLWASAV1	FC	
SLWASAV2	68	
SLWASAV3	100	
SLWASCE	A0	
SLWASCEC	64	04
SLWASDIP	65	02
SLWASK	61	10
SLWASLSA	214	
SLWASRB	60	02
SLWASS	61	20
SLWASSAV	1F8	
SLWASTUR	107	04
SLWASUPR	60	80
SLWASVCO	2FC	
SLWASVCOPSWE	2FC	
SLWASXMR	204	
SLWASYMBOLICLIST	80	
SLWATARGETTRAPACTIVATED	106	80
SLWATCB	60	01
SLWATDMP	64	08
SLWATEMP	74	
SLWATMP	74	
SLWATMP2	75	
SLWATMP4	77	
SLWATYP1	60	04
SLWAWKA	10C	
SLWAXCR1	26C	
SLWAXCTR	0	
SLWAXSLSA	388	

SMCA Information

SMCA Heading Information

Common Name: SMF CONTROL TABLE
Macro ID: IEESMCA
DSECT Name: SMCABASE
Owning Component: System Management Facilities (SC100)
Eye-Catcher ID: "SMCA"
 Offset: 4 ('4' in hex)
 Length: 4 bytes
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Below
Size: 480 bytes ('1E0' in hex)
 FREQUENCY = 1 per MVS system
Created by: IFASTART
Pointed to by: CVTSMCA
Serialization: None
Function: Communications area used to hold data needed by SMF or other MVS components

SMCA Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	SMCABASE		
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)	BITSTRING	1	SMCAOPT	- SMFDEFLT OPTIONS SELECTED AT INITIALIZATION TIME. THE OPTIONS APPLY TO BACKGROUND PROCESSING. SMCAFOPT (OFFSET 82) CONTAINS THE FOREGROUND OPTIONS.	
		1... ..		SMCAOPT1	"BIT0" - Job accounting	
		.1.		SMCAOPT2	"BIT1" - Step accounting	
		..1.		SMCAEXT	"BIT2" - Exits will be taken	
		...1		SMCADSA	"BIT3" - DATA SET ACCOUNTING	
		.... 1...		SMCAVOL	"BIT4" - VOLUME ACCOUNTING	
		.... .1..		SMCAUDCS	"BIT5" Usage Data Collection Services	
		.... .1..		SMCARS01	"BIT5,,C'X'" - RESERVED	
		.... ..1.		SMCATDS	"BIT6" - TYPE 17 RECORDS MAINTAINED FOR TEMPORARY DATA SETS (REC(PERM) OR REC(CALL))	
		.... ...1		SMCAFGND	"BIT7" - SMF FOREGROUND OPTIONS BIT. IF 0, ABOVE BITS DESCRIBE BACKGROUND OPTIONS. IF 1, ABOVE BITS DESCRIBE FOREGROUND OPTIONS. 20011	
1	(1)	BITSTRING	1	SMCAMISC	- MISCELLANEOUS INDICATORS	
		1...		SMCAUSER	"BIT0" - SMF RECORDING REQUESTED	
		.1.		SMCAMAN	"BIT1" - SYS1.MAN DATA SET IS/IS NOT PRESENT. BITS 0 AND 1 MEAN: 00 = NO SMF RECORDING REQUESTED (MAN=NONE), 01 = ONLY USER RECORDS TO BE RECORDED (MAN=USER), 10 = INVALID COMBINATION, 11 = SMF AND USER RECORDING REQUESTED (MAN=ALL)	
		..1.		SMCADSIC	"BIT2" DATA SET INIT COMPLETE BY IEEMB829 (1 = INIT COMPLETE)	
		...1		SMCAFIRT	"BIT3" - SMF DATA SET TO BE OPENED	
		.... 1...		SMCAPSDP	"BIT4" - PSEUDO-DUMP SWITCH (DEVICE SWITCHING ONLY)	
		.... .1..		SMCADBSY	"BIT5" - DUMP IS BUSY (SMF WRITER)	
		.... ..1.		SMCABSW	"BIT6" - BUFFER SWITCH. IF 0, LEFT HALF OF BUFFER IN USE. IF 1, RIGHT HALF OF BUFFER IN USE.	
		.... ...1		SMCADUMP	"BIT7" - DUMP BUSY	
2	(2)	SIGNED	2	SMCATOFF	- OFFSET OF THE FIRST SMF TIOT ENTRY FROM THE BEGINNING OF THE MASTER SCHEDULER TIOT	
4	(4)	CHARACTER	4	SMCASMCA	CONTROL BLOCK ID	

Comment

THE FOLLOWING FIELDS ARE SET UP BY IPL INITIALIZATION

End of Comment

8	(8)	SIGNED	4	SMCAJWT	- JOB WAIT TIME LIMIT - BIT 31 REPRESENTS 1.048576 SECONDS
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SMCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	SMCAS842	- ADDRESS OF IEEMB842
16	(10)	CHARACTER	4	SMCASID	- SYSTEM IDENTIFICATION (SID) MDC002 - INTENDED FOR REFERENCE ONLY
20	(14)	ADDRESS	4	SMCABUFP	- ADDRESS OF THE SMF BUFFER
24	(18)	CHARACTER	8	SMCAMTD	MAXDORM TIME AND DATE
32	(20)	ADDRESS	4	SMCAOPTB	- ADDRESS OF SMFOPTAB
36	(24)	ADDRESS	4	SMCADFLT	- ADDRESS OF SMFDELFT
40	(28)	SIGNED	4	SMCAARCT	- # OF RECORDS AT LAST ABEND
44	(2C)	SIGNED	4	SMCAABCT	- # OF BUFFERS AT LAST ABEND
48	(30)	SIGNED	4	SMCASRCT	- # OF RECORDS AT LAST STATUS
52	(34)	SIGNED	4	SMCASBCT	- # OF BUFFERS AT LAST STATUS
56	(38)	ADDRESS	4		- Reserved - was SMCAPFBA
60	(3C)	ADDRESS	4		- Reserved - was SMCAPFEA
64	(40)	ADDRESS	4		- Reserved - was SMCAECBA
68	(44)	SIGNED	2	SMCABR14	- SMF RMTR (BR 14)
70	(46)	SIGNED	2	SMCAASID	- ASID OF SMF ADDRESS SPACE

Comment

MISCELLANEOUS POINTERS AND COMMUNICATION AREAS

End of Comment

72	(48)	SIGNED	4	SMCAWAIT (2)	- THE ACCUMULATED WAIT TIME, EXPRESSED IN 26 USEC TIMER UNITS. FIRST WORD IS OVERFLOW FROM SECOND WORD.
80	(50)	CHARACTER	2	SMCAENTY (0)	- THESE SWITCHES GOVERN ENTRY CONDITIONS FOR DEVICE SWITCHING/ALLOCATION/ OPENING ROUTINES
80	(50)	BITSTRING	1	SMCAENDI	- A COMMUNICATION FIELD
		1...		SMCARS14	"BIT0,,C'X'" - RESERVED
		.1.		SMCARS15	"BIT1,,C'X'" - RESERVED
		..1.		SMCARS16	"BIT2,,C'X'" - RESERVED
		...1		SMCARS17	"BIT3,,C'X'" - RESERVED
		.... 1..		SMCARS18	"BIT4,,C'X'" - RESERVED
		.... .1.		SMCARS19	"BIT5,,C'X'" - RESERVED
		.... ..1.		SMCADSPO	"BIT6" - DISPLAY OPTIONS (D SMF,O) IS IN EFFECT
		.... ...1		SMCADSNF	"BIT7" - IF ZERO, DATA SET (X OR Y) WAS FOUND. IF ONE, DATA SET (X OR Y) WAS NOT FOUND.
81	(51)	CHARACTER	1	SMCAENOP	- ENTRY CODE THAT INDICATES WHICH LOAD OF SVC 83 HAS PASSED CONTROL TO CURRENT LOAD
82	(52)	BITSTRING	1	SMCAFOPT	- SMF FOREGROUND OPTIONS. BIT SETTINGS ARE SAME AS SMCAOPT. 20011
83	(53)	BITSTRING	1	SMCABITS	- BIT INDICATORS
		1...		SMCADAR	"X'80" - DUMPABND OPTION INDICATOR
		.1.		SMCADSNM	"X'40" - Data Set Name Migration Indicator
84	(54)	SIGNED	4	SMCAWRTP	- AN OPTIMUM BUFFER LOAD DISPLACEMENT FIGURE. WHEN THE BUFFER IS LOADED TO OR BEYOND THIS POINT, IT WILL BE WRITTEN TO THE SMF DATA SET.
88	(58)	SIGNED	4	SMCAOARY	- POINTER TO OLD RDS ARRAY
92	(5C)	SIGNED	4	SMCANARY	- POINTER TO NEW RDS ARRAY
96	(60)	SIGNED	4	SMCASUBP	- POINTER TO SUBPARM CHAIN
100	(64)	SIGNED	4	SMCABFMF	- MAXIMUM NUMBER OF FULL BUFFERS 1
104	(68)	SIGNED	4	SMCAPCNO	- PC NUMBER FOR SMFWTM
108	(6C)	CHARACTER	8	SMCADSTM	- START TIME AND DATE AT WHICH NO DATA SET WAS AVAILABLE TO RECORD ON. APPEARS IN PACKED DECIMAL IN THE FORM 00YYDDDF WHERE 00 = ZEROS, YY = LAST 2 DIGITS OF THE YEAR, DDD = DAY OF THE YEAR AND F IS A SIGN.
116	(74)	SIGNED	4	SMCADSCT	- THE NUMBER OF SMF RECORDS THAT HAVE BEEN OMITTED FROM THE SMF DATA SET DUE TO THE UNAVAILABILITY OF A DATA SET TO RECORD ON
120	(78)	ADDRESS	4	SMCAASCB	- ASCB OF SMF ADDRESS SPACE

Comment

Although not an intended interface, some ISV products modify SMCAMACR to contain the address of their intercept routine.

End of Comment

124	(7C)	SIGNED	4	SMCAMACR	- ENTRY POINT TO MACRO RTN
128	(80)	ADDRESS	4	SMCASAVE	- USER EXIT ADDRESS SAVE FIELD (OS/VS2) (MDC300)
132	(84)	SIGNED	4	SMCATEXP	- TIME OF MOST RECENT EXPIRATION OF A TEN-MINUTE TIMER QUEUE ELEMENT (TQE) ICB310
136	(88)	CHARACTER	8	SMCASTKN	- SMF Address Space Token 1
144	(90)	CHARACTER	4	SMCASJWT	- SAVE JWT AS ENTERED (HHMM)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
148	(94)	CHARACTER	4	SMCASMDM	- SAVE MAXDORM AS ENTERED (MMSS)
152	(98)	CHARACTER	6	SMCASSTS	- SAVE STATUS AS ENTERED (HHMMSS)
158	(9E)	CHARACTER	2	SMCAPARM	- PARMLIB SUFFIX FOR RESTART 1
160	(A0)	ADDRESS	4	SMCASLCA	- ADDRESS OF SLCA
164	(A4)	SIGNED	4	SMCAPGM	- NUMBER OF PAGES MIGRATED ICB310
168	(A8)	ADDRESS	4	SMCAU83	- ADDRESS OF SMF OUTPUT EXIT (IEFU83) TAKEN WHEN RECORDS ARE TO BE WRITTEN TO AN SMF DATA SET ICB407
172	(AC)	ADDRESS	4	SMCAWTCB	- ADDRESS OF SMF WRITER'S TCB - USED BY XMPOST ERROR PROCESSOR (IEEMB827) (OS/VS2) MDC006 1
176	(B0)	ADDRESS	4	SMCATSK2	- ADDRESS OF IFASMF TASK
180	(B4)	ADDRESS	4	SMCAACTP	- ADDRESS OF THE ACT (USED BY PARSE AND INPUT MERGE AND LIST OPTIONS)

Comment

THE NEXT TWO FIELDS ARE THE SUBJECT OF COMPARE DOUBLE AND SWAP LOGIC THAT CONTROLS THE SCHEDULING OF THE SRB. THEY MUST BE ON A DOUBLE WORD BOUNDARY. DO NOT MOVE.

End of Comment

184	(B8)	DBL WORD	8	SMCACDS (0)	- TARGET OF CDS TO CONTROL SRB SCHEDULE
184	(B8)	SIGNED	4	SMCANMFL	- NUMBER OF FULL BUFFERS
188	(BC)	ADDRESS	4	SMCASSB	- POINTER TO SMF SUSPEND BLOCK
192	(C0)	SIGNED	2	SMCAMNBF	- RESERVED (PREVIOUSLY THE MINIMUM NUMBER OF BUFFERS)
194	(C2)	SIGNED	2	SMCAMXBF	- RESERVED (PREVIOUSLY THE MAXIMUM NUMBER OF BUFFERS)
196	(C4)	ADDRESS	4	SMCASTTT	- ADDRESS OF STATUS TIMER ELEMENT
200	(C8)	ADDRESS	4	SMCAMAXT	- ADDRESS OF MAXDORM TIMER ELEMENT
204	(CC)	ADDRESS	4	SMCADTB	- ADDRESS OF DUMP TIMER ELEMENT
208	(D0)	SIGNED	4	SMCABITF (0)	- FULL WORD OF BIT FLAGS
208	(D0)	BITSTRING	1	SMCAPRMT	- REPLACES OPI BIT
		1...		SMCAIPLR	"X'80" - PROMPT(IPLR) OR PROMPT(ALL)
		.1.		SMCALIST	"X'40" - PROMPT(LIST) OR PROMPT(ALL)
		.1.		SMCALDSN	"X'20" - DISPLAY DATASET STATUS
		...1		SMCAMXDM	"X'10" - MAXDORM SPECIFIED?
		.... 1..		SMCASTUS	"X'08" - STATUS SPECIFIED?
		.... .1.		SMCARUN	"X'04" - WRITER SRB RUNNING
		.... .1.		SMCASKD	"X'02" - WRITER SRB HAS BEEN SCHEDULED
		.... ...1		SMCACONS	"X'01" - DD CONSOLIDATION
209	(D1)	BITSTRING	1	SMCAFLGS	- WRITER STATUS FLAGS
		1...		SMCAINIT	"X'80" - WRITER TASK INITIALIZED
		.1.		SMCARSTR	"X'40" - RESTART IN PROGRESS
		.1.		SMCADTLS	"X'20" - DATA LOST - NO SPACE ON DATA SETS
		...1		SMCASETP	"X'10" - SET SMF IN PROCESS
		.... 1..		SMCADISP	"X'08" - DISPLAY SMF FOR OPTIONS OR DATASETS IS IN PROCESS.
		.... .1..		SMCAFLD	"X'04" - SMF Flood Automation is active

Comment

EQU X'02' - Reserved - was SMCALATE

End of Comment

210	(D2)	BITSTRING	1	SMCASETS	"X'01" - SETSMF IN PROCESS
		1...		SMCAFLGR	- RECOVERY FOOTPRINTS
		.1.		SMCATERM	"X'80" - SMF TERMINATED
		.1.		SMCAPGFX	"X'40" - PAGEFIX ISSUED
		...1		SMCASRBF	"X'20" - WRITER SRB ABENDED AND ISSUED SDUMP
		...1		SMCAPSUS	"X'10" - PREVENT SUSPEND PROCESSING WHILE HANDLING I/O ERROR
		.... 1..		SMCAPCDT	"X'10" - IFAPCWTR HAS TAKEN DUMP
		.... .1..		SMCAU29	"X'08" - IEFU29 EXIT CALLED
		.... .1..		SMCANOST	"X'04" - NO MORE SETS ALLOWED
		.... .1.		SMCAPREV	"X'02" - PREVIOUS ABEND IN EASI INTERVAL
		.... ...1		SMCANMRE	"X'01" - NO MORE EASI INTERVAL PROC
211	(D3)	BITSTRING	1	SMCARCUR	- Recovery recursion & misc bits
		1...		SMCAMXDR	"X'80" - PREVENT MAXDORM RECURSION
		.1.		SMCASTTR	"X'40" - PREVENT STATUS RECURSION
		.1.		SMCASUSR	"X'20" - PREVENT SUSPEND RECURSION
		...1		SMCATIMR	"X'10" - PREVENT TIMER RECURSION
		.... 1..		SMCASETR	"X'08" - PREVENT SET RECURSION
		.... .1..		SMCASETC	"X'04" FOOTPRINTS FOR SET RECOVERY
		.... .1.		SMCASTLS	"X'02" Indicate to IFALSMOD that SET SMF or SMF start up is in progress

SMCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
EQU X'01' Reserved					
End of Comment					
212	(D4)	SIGNED	4	SMCAECB0	- DISPLAY SMF ECB
216	(D8)	ADDRESS	4	SMCASRB	- ADDRESS OF SMF SRB
220	(DC)	SIGNED	4	SMCAECB1	- SET SMF ECB
224	(E0)	SIGNED	4	SMCAECB2	- DUMP CHECK ECB
228	(E4)	SIGNED	4	SMCAECB3	- SETSMF ECB
232	(E8)	SIGNED	4	SMCAALCN	- Alternate console ID for SWITCH SMF
236	(EC)	SIGNED	4	SMCAXMCA	- ADDR OF CROSS MEM COMMUNICATION AREA
Comment					
CONTROL AREA FOR RDS CHAIN - RECORDING DATASET BLOCKS					
End of Comment					
240	(F0)	CHARACTER	4	SMCARDSH	- RDSH - CHAIN HEADER ID
244	(F4)	ADDRESS	4	SMCAFRDS	- FIRST RDS
248	(F8)	ADDRESS	4	SMCALRDS	- LAST RDS
252	(FC)	ADDRESS	4	SMCASVCR	- CURRENT RDS FOR SVC 83 (IEEMB830)
256	(100)	ADDRESS	4	SMCASRBR	- CURRENT RDS FOR SRB (IEEMB834)
Comment					
MISCELLANEOUS DATA AREAS					
End of Comment					
260	(104)	SIGNED	4	SMCA994E (3)	- DOM ID of IEE994E messages. Array entries correspond to DOM IDs for IEFU83, IEFU84, IEFU85 versions of message respectively. Serialization is CS logic.
272	(110)	SIGNED	4	SMCAECBI	- ADDRESS OF ECB FOR SMF INIT 1
276	(114)	SIGNED	4	SMCADMID	- DOM ID OF SMF TERMINATED MSG
280	(118)	SIGNED	4	SMCAD068	- DOM ID OF IEE068A (sync disabled) 1
284	(11C)	SIGNED	4	SMCAD978 (0)	- DOM ID OF IEE978E MSG
284	(11C)	SIGNED	4	SMCAD986	- DOM ID OF IEE986E MSG
288	(120)	SIGNED	4	SMCABFLS	- NUMBER OF RCDS LOST DUE TO BUFFER SHORTAGE 1
Comment					
Double define SMCAD786 and SMCAD979 so that if we switch from dataset to logstream recording and there was a temp area full condition the message will get dommed.					
End of Comment					
292	(124)	SIGNED	4	SMCAD786 (0)	- DOM ID OF IFA786W MSG
292	(124)	SIGNED	4	SMCAD979	- DOM ID OF IEE979W MSG
296	(128)	SIGNED	4	SMCABFWT	- BUFFERS WRITTEN
300	(12C)	SIGNED	4	SMCARCWT	- RECORDS WRITTEN
Comment					
VARIABLES FOR SMF TIMER MODULE - IEEMB839					
End of Comment					
304	(130)	ADDRESS	4	SMCATQE	- ADDRESS OF TQE
308	(134)	ADDRESS	4	SMCAENQE	- ADDRESS OF ENQUE ENTRY POINT
312	(138)	ADDRESS	4	SMCADEQE	- ADDRESS OF DEQUE ENTRY POINT
316	(13C)	ADDRESS	4	SMCANSRB	- ADDRESS OF NEXT ELEMENT ON CHAIN
320	(140)	CHARACTER	8	SMCAENDT	- Time when DIE invoked
Comment					
SELECTIVITY CONTROL AREA					
End of Comment					
328	(148)	ADDRESS	4	SMCASSTP	- ADDRESS OF SMF SELECTIVITY TABLES
332	(14C)	ADDRESS	4	SMCASYS	- ADDR OF THE SYSTEM (DEFAULT) SST
336	(150)	CHARACTER	4	SMCAITME	- IPL TIME (BINARY) IN HUNDREDTHS OF A SECOND - INTENDED FOR REFERENCE ONLY
340	(154)	CHARACTER	4	SMCAIDTE	- IPL DATE (0CYYDDDF) - INTENDED FOR REFERENCE ONLY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
344	(158)	ADDRESS	4	SMCASACT	- ADDRESS OF THE NEW ACT FOR SET
348	(15C)	SIGNED	2	SMCANSST	- NUMBER OF SST ENTRIES
350	(15E)	SIGNED	2	SMCALSST	- LENGTH OF ONE SST ENTRY
Comment					
I/O MEASUREMENTS CONTROL AREA					
End of Comment					
352	(160)	SIGNED 1...	4	SMCAIOMC SMCAIOMS	NUMBER OF TIMES I/O MEASUREMENTS HAVE BEEN TURNED OFF "X'80" MEASUREMENTS ARE CURRENTLY ON
Comment					
SMF ADDRESS TABLE					
End of Comment					
356	(164)	ADDRESS	4	SMCA836	ADDRESS OF IEEMB836
360	(168)	ADDRESS	4	SMCA727	ADDRESS OF IEFTB727
364	(16C)	ADDRESS	4	SMCA728	ADDRESS OF IEFTB728
Comment					
DATASET CONTROL INTERVAL SIZE AND DATA LOST CONTROL FLAGS					
End of Comment					
368	(170)	SIGNED	4	SMCACISZ	SESSION DATASET CONTROL INT SIZE
372	(174)	ADDRESS	4	SMCA721 (0)	ADDRESS OF IEFTB721
372	(174)	ADDRESS	4	SMCAJAC	ADDRESS OF IFAJAC00
376	(178)	ADDRESS	4	SMCASMCX	POINTER TO SMCX (SMCA EXTENSION IN 31-BIT STORAGE)
380	(17C)	ADDRESS	4	SMCASCHD	ADDR OF DEFERRED SCHED SUB-ROUTINE IN IEEMB839
384	(180)	BITSTRING 1... .... .1.	1	SMCAFLGA SMCAATSS SMCANTSS	Miscellaneous flags "X'80" - AUTHSETSMF was specified "X'40" - NOAUTHSETSMF was specified
Comment					
EQU BIT2 - Reserved EQU BIT3 - RESERVED					
End of Comment					
385	(181)	BITSTRING 1... .... .1.. .... .1. .... .1.1	1	SMCAEXR1 SMCAEXR3 SMCAEXR4 SMCAEXR5 SMCASIDB SMCASDFT SMCASONL SMCASSER SMCASSYS SMCASSYM SMCASCOM SMCASRSV	"BIT4" - RESERVED "BIT5" - RESERVED "BIT6" - RESERVED "BIT7" - RESERVED SMF SID Syntax Used "X'80" 'Default' "X'40" SID(xxxx) "X'20" SID(xxxx,ser#) "X'10" SID(xxxxSYSNAME(sysname)) "X'08" SID(&SYSNAME(m:n)) "X'04" SID(xxxx,COMBIN(ser#,ser#)) "X'03" Reserved
386	(182)	BITSTRING 1... .... .1.	1	SMCAUFLG SMCAUT89 SMCAT892	Usage Data Collection Services Flags "BIT0" - Type 89 Subtype 1 Recording Active "BIT1" - Type 89 Subtype 2 Recording Active Reserved
387	(183)	BITSTRING	1		Reserved
388	(184)	BITSTRING 1... .... .1. .... .1. .... ...1 1... .... .1.. .... .1.1.... .1. .... .1. .... .1.1	1	SMCADLFL SMCADLWT SMCADLHL SMCADLLD SMCADLR1 SMCADLR2 SMCADLR3 SMCADLR4 SMCADLR5	DATA LOST CONTROL FLAGS "BIT0" - MAXBUFFS OPTION SPECIFIED "BIT1" - NOBUFFS(HALT) SPECIFIED "BIT2" - LASTDS(HALT) SPECIFIED "BIT3" - RESERVED "BIT4" - RESERVED "BIT5" - RESERVED "BIT6" - RESERVED "BIT7" - RESERVED
389	(185)	BITSTRING	1		Reserved
390	(186)	SIGNED	2	SMCAASIS	SMF ASID used for serialization 1
392	(188)	ADDRESS	4	SMCA838M	- Address of IEEMB838
396	(18C)	SIGNED	4		- Reserved
400	(190)	ADDRESS	4	SMCAJAC1	ADDRESS OF IFAJAC01
404	(194)	ADDRESS	4	SMCAUDCA	Address of Usage Data Collection

SMCA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
408	(198)	SIGNED	4	SMCAUPCL	Usage PCA Lockword
412	(19C)	SIGNED	4	SMCAUPCA	Address of first PCA on chain
416	(1A0)	SIGNED	4	SMCAUACL	Usage ACA Lockword
420	(1A4)	SIGNED	4	SMCAUACA	Address of first ACA on chain
424	(1A8)	ADDRESS	4	SMCAUDCT	Address of Usage Data Collection Timer Element
428	(1AC)	CHARACTER	4		Reserved for Alignment
432	(1B0)	BITSTRING	8	SMCAUST	Usage Data Start Time (TOD)
440	(1B8)	BITSTRING	8	SMCAUSTL	Usage Data Start Time (Local)
448	(1C0)	BITSTRING	8	SMCAUET	Usage Data End Time (TOD)
456	(1C8)	BITSTRING	8	SMCAUETL	Usage Data End Time (Local)
464	(1D0)	BITSTRING	8	SMCAUIT	Usage Record End Time (TOD)
472	(1D8)	BITSTRING	8	SMCAUITL	Usage Record End Time (Local)
480	(1E0)	BITSTRING	8	SMCAUISL	Usage Record Start Time (Local)
488	(1E8)	SIGNED	4	SMCAUCCA	Address of first CCA
492	(1EC)	SIGNED	4	SMCAUZN	IFA Normalization factor
496	(1F0)	SIGNED	4	SMCAUSNF	SUP Normalization factor
496	(1F0)	X'1F4'	0	SMCAEND	***
496	(1F0)	X'1F4'	0	SMCASIZE	"SMCAEND-SMCABASE" - SIZE OF SMCA TABLE

SMCA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	SMCADTB	CC	
BIT1	0	40	SMCADTLS	D1	20
BIT2	0	20	SMCADUMP	1	1
BIT3	0	10	SMCAD068	118	
BIT4	0	8	SMCAD786	124	
BIT5	0	4	SMCAD978	11C	
BIT6	0	2	SMCAD979	124	
BIT7	0	1	SMCAD986	11C	
SMCAABCT	2C		SMCAECBI	110	
SMCAACTP	B4		SMCAECB0	D4	
SMCAALCN	E8		SMCAECB1	DC	
SMCAARCT	28		SMCAECB2	E0	
SMCAASCB	78		SMCAECB3	E4	
SMCAASID	46		SMCAEND	1F0	1F4
SMCAASIS	186		SMCAENDI	50	
SMCAATSS	180	80	SMCAENDT	140	
SMCABASE	0		SMCAENOP	51	
SMCABFLS	120		SMCAENQE	134	
SMCABFMF	64		SMCAENTY	50	
SMCABFWT	128		SMCAEXR1	180	8
SMCABITF	D0		SMCAEXR3	180	4
SMCABITS	53		SMCAEXR4	180	2
SMCABR14	44		SMCAEXR5	180	1
SMCABSW	1	2	SMCAEXT	0	20
SMCABUFP	14		SMCAFGND	0	1
SMCACDS	B8		SMCAFIRT	1	10
SMCACISZ	170		SMCAFLD	D1	4
SMCACONS	D0	1	SMCAFLGA	180	
SMCADAR	53	80	SMCAFLGR	D2	
SMCADBSY	1	4	SMCAFLGS	D1	
SMCADEQE	138		SMCAFOPT	52	
SMCADFLT	24		SMCAFRDS	F4	
SMCADISP	D1	8	SMCAIDTE	154	
SMCADLFL	184		SMCAINIT	D1	80
SMCADLHL	184	40	SMCAIOMC	160	
SMCADLLD	184	20	SMCAIOMS	160	80
SMCADLR1	184	10	SMCAIPLR	D0	80
SMCADLR2	184	8	SMCAITME	150	
SMCADLR3	184	4	SMCAJAC	174	
SMCADLR4	184	2	SMCAJAC1	190	
SMCADLR5	184	1	SMCAJWT	8	
SMCADLWT	184	80	SMCALDSN	D0	20
SMCADMID	114		SMCALIST	D0	40
SMCADSA	0	10	SMCALRDS	F8	
SMCADSCT	74		SMCALSST	15E	
SMCADSIC	1	20	SMCAMACR	7C	
SMCADSNF	50	1	SMCAMAN	1	40
SMCADSNM	53	40	SMCAMAXT	C8	
SMCADSPO	50	2	SMCAMISC	1	
SMCADSTM	6C		SMCAMNBF	C0	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SMCAMTD	18		SMCASUSR	D3	20
SMCAMXBF	C2		SMCASVCR	FC	
SMCAMXDM	D0	10	SMCASVSP	14C	
SMCAMXDR	D3	80	SMCAS842	C	
SMCANARY	5C		SMCATDS	0	2
SMCANMFL	B8		SMCATERM	D2	80
SMCANMRE	D2	1	SMCATEXP	84	
SMCANOST	D2	4	SMCATIMR	D3	10
SMCANSRB	13C		SMCATOFF	2	
SMCANSST	15C		SMCATQE	130	
SMCANTSS	180	40	SMCATSK2	B0	
SMCAOARY	58		SMCAT892	182	40
SMCAOPT	0		SMCAUACA	1A4	
SMCAOPTB	20		SMCAUACL	1A0	
SMCAOPT1	0	80	SMCAUCCA	1E8	
SMCAOPT2	0	40	SMCAUDCA	194	
SMCAPARM	9E		SMCAUDCS	0	4
SMCAPCDT	D2	10	SMCAUDCT	1A8	
SMCAPCNO	68		SMCAUET	1C0	
SMCAPGFX	D2	40	SMCAUETL	1C8	
SMCAPGM	A4		SMCAUFLG	182	
SMCAPREV	D2	2	SMCAUISL	1E0	
SMCAPRMT	D0		SMCAUIT	1D0	
SMCAPSDP	1	8	SMCAUITL	1D8	
SMCAPSUS	D2	10	SMCAUPCA	19C	
SMCARCUR	D3		SMCAUPCL	198	
SMCARCWT	12C		SMCAUSER	1	80
SMCARDSH	F0		SMCAUSNF	1F0	
SMCARSTR	D1	40	SMCAUST	1B0	
SMCARS01	0	4	SMCAUSTL	1B8	
SMCARS14	50	80	SMCAUT89	182	80
SMCARS15	50	40	SMCAUZNF	1EC	
SMCARS16	50	20	SMCAU29	D2	8
SMCARS17	50	10	SMCAU83	A8	
SMCARS18	50	8	SMCAVOL	0	8
SMCARS19	50	4	SMCAWAIT	48	
SMCARUN	D0	4	SMCAWRTP	54	
SMCASACT	158		SMCAWTCB	AC	
SMCASAVE	80		SMCAXMCA	EC	
SMCASBCT	34		SMCA721	174	
SMCASCHD	17C		SMCA727	168	
SMCASCOM	181	4	SMCA728	16C	
SMCASDFT	181	80	SMCA836	164	
SMCASETC	D3	4	SMCA838M	188	
SMCASETP	D1	10	SMCA994E	104	
SMCASETR	D3	8			
SMCASETS	D1	1			
SMCASID	10				
SMCASIDB	181				
SMCASIZE	1F0	1F4			
SMCASJWT	90				
SMCASKD	D0	2			
SMCASLCA	A0				
SMCASMCA	4				
SMCASMCX	178				
SMCASMDM	94				
SMCASONL	181	40			
SMCASRB	D8				
SMCASRBF	D2	20			
SMCASRBR	100				
SMCASRCT	30				
SMCASRSV	181	3			
SMCASSB	BC				
SMCASSER	181	20			
SMCASSTP	148				
SMCASSTS	98				
SMCASSYM	181	8			
SMCASSYS	181	10			
SMCASTKN	88				
SMCASTLS	D3	2			
SMCASTTR	D3	40			
SMCASTTT	C4				
SMCASTUS	D0	8			
SMCASUBP	60				

SMDLR Information

SMDLR Programming Interface information

Programming Interface information

SMDLR

End of Programming Interface information

SMDLR Heading Information • SMDLR Map

SMDLR Heading Information

Common Name: Summary Dump Logical Record
Macro ID: IHASMDLR
DSECT Name: SMDLR, SMDLRSFX, SMDXR
Owning Component: Dumping Services (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
 Key: N/A
Size: SMDLR: 20 bytes plus the length of the data contained in the record
 SMDXR: 32 bytes
Created by: IEAVTSSD, IEAVTSSE, IEAVTSSV
Pointed to by: None
Serialization: None
Function: SMDLR The summary dump logical record describes each record of a summary dump. It provides a format by which a summary dump can be accessed and printed. It tells the type, address, asid, and length of the data dumped as one summary dump record.
 SMDXR Summary dump index records are created during summary dump processing. These records provide a list of addresses with ASIDs (and possibly dataspace information), storage types and lengths of areas processed during summary dump capture.
 In a dump dataset, SMDXR records are contained in summary dump component records (dump records of type "SC", with component identifier of "IEAVTSUM". Each summary dump component record can contain up to 128 32-byte SMDXRs.

SMDLR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SMDLR	
0	(0)	CHARACTER	20	SMDLRHDR	HEADER FOR EACH SUMMARY DUMP LOGICAL RECORD
0	(0)	SIGNED	2	SMDLRID	UNIQUE ID FOR EACH RECORD. SEE THE CONSTANTS BELOW
2	(2)	SIGNED	2	SMDLRAID	ASID OF DATA CONTAINED IN THIS RECORD COMMON STORAGE DENOTED BY FFFF
4	(4)	SIGNED	4	SMDLRLEN	TOTAL LENGTH OF THE DATA AREA WHICH IS REPRESENTED BY THIS LOGICAL RECORD AND ALL ITS CONTINUATIONS. THIS WILL BE 0 FOR A CONTINUATION
8	(8)	ADDRESS	4	SMDLRADR	ORIGINAL ADDRESS DATA FOLLOWING
12	(C)	ADDRESS	4	SMDLRPL	LENGTH OF THE DATA THAT ACTUALLY FOLLOWS THIS HEADER
16	(10)	SIGNED	1	SMDLRMSG	IF NONZERO THIS IS THE ID OF A SUMMARY DUMP MESSAGE WHICH IS TO BE GENERATED AS PART OF THE PRINTED OUTPUT WHEN THE DATA IS FORMATED
17	(11)	SIGNED	3	SMDLRSFO	OFFSET FROM SMDLRHDR TO SUFFIX
20	(14)	CHARACTER	1	SMDLRDAT (0)	DATA
20	(14)	X'14'	0	SMDLR_LEN	**-SMDLR"

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

Comment

SUFFIX, WHICH FOLLOWS THE HEADER IN THE ACTUAL DUMP RECORD, BUT FOLLOWS THE DATA IN THE RECORD RETURNED BY IEAVTFRD (DEFAULT BASING EXPRESSION)

End of Comment

0	(0)	CHARACTER	22	SMDLRDSC	STRUCTURE FOR CLEARING DATASPACE FIELDS
0	(0)	BITSTRING	8	SMDLRSTK	STOKEN
8	(8)	ADDRESS	4	SMDLRAST	ASTE REAL ADDRESS
12	(C)	CHARACTER	8	SMDLRDSP	DATA SPACE NAME
20	(14)	SIGNED	2	SMDLRDSA	OWNING ASID OF DATA SPACE. THIS FIELD MUST FOLLOW SMDLRDSP DUE TO FORMATTING CONSIDERATIONS
22	(16)	SIGNED	2	SMDLRSFL	LENGTH OF SUFFIX
24	(18)	CHARACTER	1	SMDLRSFE (0)	END OF SUFFIX
24	(18)	X'18'	0	SMDLRSFX_LEN	**-SMDLRSFX" HEADER PLUS SUFFIX WITHIN THE ACTUAL DUMP RECORD, WHERE THE SUFFIX DIRECTLY FOLLOWS THE HEADER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SMDXR	SumMary Dump indeX Record
0	(0)	SIGNED	2	SMDXRID	ID for this area.
2	(2)	SIGNED	2	SMDXRAID	ASID for this area address
4	(4)	CHARACTER	16	SMDXRRNG	Field to clear addr/length information
4	(4)	CHARACTER	8	SMDXRADR64	64-bit address
4	(4)	SIGNED	4	SMDXRADR64H	High half
8	(8)	ADDRESS	4	SMDXRADR	Address of area
12	(C)	CHARACTER	8	SMDXRLEN64	Length of data for this area
12	(C)	SIGNED	4		High half
16	(10)	SIGNED	4	SMDXRLEN	Low half of length
20	(14)	CHARACTER	10	SMDXRDISC	Dataspace field clearing field
20	(14)	CHARACTER	8	SMDXRDISP	Data space name
28	(1C)	SIGNED	2	SMDXRROI	Owning ASID for dataspace
30	(1E)	SIGNED	1	SMDXRMSG	If non-zero, the id of a message to be displayed when formatting this header record
31	(1F)	CHARACTER	1	SMDXRFLG	Flags
		1...		SMDXRCOM	"X'80" Starting address represents common storage
		.1..		SMDXRINC	"X'40" Some storage within the range not dumped

Comment

CONSTANTS IDENTIFYING MESSAGES TO BE ASSOCIATED WITH SUMMARY DUMP INDEX RECORDS. SEE SMDXRMSG / SMDLRMSG.

					End of Comment
31	(1F)	X'1'	0	SMDLSTER	"1" AN ERROR IN THE SDUMP SUMLIST
31	(1F)	X'2'	0	SMDNORT2	"2" NO RTM2 WA FOUND FOR THE ASID
31	(1F)	X'3'	0	SMDIHSER	"3" RELEVANT IHSA COULD NOT BE ADDRESSED
31	(1F)	X'4'	0	SMDLWSER	"4" RELEVANT LOCAL WSA COULD NOT BE ADDRESSED
31	(1F)	X'5'	0	SMDSLAER	"5" SUMLSTA IN ERROR
31	(1F)	X'6'	0	SMDRNGER	"6" A SPECIFIED ADDRESS RANGE WAS NOT VALID
31	(1F)	X'7'	0	SMDPCLER	"7" THE PCLINK STACK COULD NOT BE TOTALLY ACCESSED
31	(1F)	X'8'	0	SMDASDER	"8" A SPECIFIED ASID COULD NOT BE ACCESSED
31	(1F)	X'9'	0	SMDRNGRF	"9" A SPECIFIED ADDRESS RANGE COULD NOT BE ACCESSED
31	(1F)	X'A'	0	SMDSPNDR	"10" AN ERROR HAS OCCURRED CAUSING THE TERMINATION OF THE SUSPEND SUMMARY DUMP
31	(1F)	X'B'	0	SMDSPDBL	"11" SDUMP CALLER WAS DISABLED
31	(1F)	X'C'	0	SMDSPNOD	"12" DUMPSRV ADDRESS SPACE NOT ACTIVE
31	(1F)	X'D'	0	SMDSPDSE	"13" DUMPSRV ADDRESS SPACE IN ERROR
31	(1F)	X'E'	0	SMDSPDHM	"14" DUMPSRV ADDRESS SPACE WAS CALLERS HOME ASID
31	(1F)	X'F'	0	SMDSPLDS	"15" SDUMP CALLER HELD DUMPSRV CML LOCK
31	(1F)	X'10'	0	SMDNOSSV	"16" IEAVTSSV WAS NOT BE FOUND
31	(1F)	X'11'	0	SMDNOLOC	"17" SUSPEND SUMMARY DUMP NEEDS THE LOCAL LOCK TO DO THE STOP BUT TYPE=NOLOCAL OPTION WAS SPECIFIED
31	(1F)	X'12'	0	SMDSLLER	"18" AN ERROR IN THE SDUMP SUMLSTL
31	(1F)	X'13'	0	SMDSLLSP	"19" SUMLSTL SPECIFIED ON ENABLED DUMP, SO SUSPEND SUMMARY DONE
31	(1F)	X'14'	0	SMDPSRER	"20" ERROR WHILE DUMPING PSWREGS= STORAGE RANGES
31	(1F)	X'15'	0	SMDSPDCB	"21" SUSPEND SUMMARY DUMP REQUESTED WHEN DCB PARAMETER SPECIFIED
31	(1F)	X'16'	0	SMDSL64E	"22" SUMLST64 IN ERROR

Comment

CONSTANTS IDENTIFYING EACH TYPE OF SUMMARY DUMP RECORD. SEE FIELD SMDXRID / SMDLRID.

					End of Comment
31	(1F)	X'0'	0	SMDUNASS	"0" Unassigned
31	(1F)	X'1'	0	SMDPCCA	"1" PCCA PHYSICAL CONFIG COMMUNICATION AREA
31	(1F)	X'2'	0	SMDLCCA	"2" LCCA LOCAL CONFIG COMMUNICATION AREA
31	(1F)	X'3'	0	SMDPSA	"3" PSA PREFIX SAVE AREA
31	(1F)	X'4'	0	SMDTRT	"4" SYSTEM TRACE TABLE WITH PRECEEDING CNTL INFO
31	(1F)	X'5'	0	SMDFRRS	"5" THE SUPERVISOR FRR STACKS
31	(1F)	X'6'	0	SMDLCCX	"6" LCCX -- LCCA EXTENSION
31	(1F)	X'1E'	0	SMDIDUCT	"30" INTERRUPT HANDLER DUCT
31	(1F)	X'1F'	0	SMDSDUCT	"31" SRB DUCT
31	(1F)	X'20'	0	SMDWDUCT	"32" WORK UNIT DUCT
31	(1F)	X'21'	0	SMDPSNAL	"33" PASN ACCESS LIST
31	(1F)	X'22'	0	SMDSRBAL	"34" SRB ACCESS LIST
31	(1F)	X'23'	0	SMDDUAL	"35" WORK UNIT ACCESS LIST
31	(1F)	X'24'	0	SMDILSTK	"36" INTERRUPT HANDLER LINKAGE STACK
31	(1F)	X'25'	0	SMDCLSTK	"37" CURRENT LINKAGE STACK

SMDLR Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
31	(1F)	X'2D'	0	SMDLST64	"45" STORAGE INDICATED BY THE SUMLST64 KWD
31	(1F)	X'2E'	0	SMDLIST	"46" STORAGE INDICATED BY THE SUMLIST KEYWORD
31	(1F)	X'2F'	0	SMDIHSA	"47" IHSA INT HANDLER SAVE AREA
31	(1F)	X'30'	0	SMDREGV	"48" STORAGE NEAR ADDRESSES IN REGISTERS
31	(1F)	X'31'	0	SMDPSWS	"49" STORAGE NEAR ADDRESSES IN PSWS
31	(1F)	X'32'	0	SMDWSAGV	"50" WSAVTG GLOBAL WSA VECTOR TABLE
31	(1F)	X'33'	0	SMDWSACV	"51" WSAVTC CPU WSA VECTOR TABLE
31	(1F)	X'34'	0	SMDWSALV	"52" WSAVTL LOCAL WSA VECTOR TABLE
31	(1F)	X'35'	0	SMDEOD	"53" END SUMMARY DUMP
31	(1F)	X'36'	0	SMDSUMLL	"54" STORAGE INDICATED BY THE SUMLSTL KWD
31	(1F)	X'37'	0	SMDREGD	"55" DATA SPACE STORAGE AROUND THE REGS
31	(1F)	X'38'	0	SMDSDWA	"56" SDWA SYSTEM DIAGNOSTIC WORK AREA
31	(1F)	X'39'	0	SMDRTM2A	"57" RTM2WA RTM2 WORK AREA
31	(1F)	X'3A'	0	SMDR2TRT	"58" SYSTEM TRACE TABLE W/O PRECEEDING CNTL INFO
31	(1F)	X'3B'	0	SMDNULL	"59" EMPTY RECORD,CONTAINS NO DATA
31	(1F)	X'3C'	0	SMDASIDR	"60" ASID JOB PROCSTEP & STEP NAME
31	(1F)	X'3D'	0	SMDEORSB	"61" End of real storage buffer capture
31	(1F)	X'40'	0	SMDXSB	"64" XSB CONTROL BLOCK
31	(1F)	X'41'	0	SMDSTKE	"65" PCLINK STACK ELEMENT
31	(1F)	X'42'	0	SMDLISTA	"66" ID FOR SUMLISTA RECORDS
31	(1F)	X'43'	0	SMDXMASD	"67" ID FOR CROSS MEMORY ASID RECORDS
31	(1F)	X'44'	0	SMDHASCB	"68" SUSPEND SUMDUMP CALLER ASCB
31	(1F)	X'45'	0	SMDCTCB	"69" SUSPEND SUMDUMP CALLER TCB
31	(1F)	X'46'	0	SMDCRB	"70" SUSPEND SUMDUMP CALLER RB
31	(1F)	X'47'	0	SMDCSSRB	"71" SUSPEND SUMDUMP CALLER SSRB
31	(1F)	X'48'	0	SMDCSAV	"72" SUSPEND SUMDUMP CALLER REG SA
31	(1F)	X'49'	0	SMDSPEND	"73" SUSPEND SUMDUMP ERROR RECORD ID
31	(1F)	X'4A'	0	SMDHASSB	"74" SUSPEND SUMDUMP CALLER ASSB
31	(1F)	X'4B'	0	SMDCSTCB	"75" SUSPEND SUMDUMP CALLER STCB
31	(1F)	X'4C'	0	SMDHJSAB	"76" SUSPEND SUMDUMP CALLER JSAB
31	(1F)	X'4D'	0	SMDWSAGS	"77" WSAVTG GLOBAL WORK SAVE AREAS
31	(1F)	X'4E'	0	SMDWSACS	"78" WSAVTC CPU WORK SAVE AREAS
31	(1F)	X'4F'	0	SMDWSALS	"79" WSAVTL LOCAL WORK SAVE AREAS
31	(1F)	X'50'	0	SMDWSLPA	"80" SLIP REGISTER/PSW AREA
31	(1F)	X'51'	0	SMDSPSWR	"81" ID FOR PSWREGS PARAMETER LIST
31	(1F)	X'52'	0	SMDPSWRD	"82" ID FOR PSWREGS ADDRESS SPACE DATA
31	(1F)	X'53'	0	SMDPSRDS	"83" ID FOR PSWREGS DATASPACE DATA
31	(1F)	X'63'	0	SMDUNKWN	"99" UNKNOWN RECORD ID SUSPEND SUMMARY DUMP IDS
32	(20)	X'20'	0	SMDXR_LEN	**-SMDXR"

SMDLR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SMDASDER	1F	8	SMDLRDSA	14	
SMDASIDR	1F	3C	SMDLRDSC	0	
SMDCLSTK	1F	25	SMDLRDSP	C	
SMDCRB	1F	46	SMDLRHDR	0	
SMDCSAV	1F	48	SMDLRID	0	
SMDCSSRB	1F	47	SMDLRLEN	4	
SMDCSTCB	1F	4B	SMDLRMSG	10	
SMDCTCB	1F	45	SMDLRPL	C	
SMDDUAL	1F	23	SMDLRSFE	18	
SMDEOD	1F	35	SMDLRNFL	16	
SMDEORSB	1F	3D	SMDLRNFO	11	
SMDFRRS	1F	5	SMDLRNFX	0	
SMDHASCB	1F	44	SMDLRNFX_LEN	18	18
SMDHASSB	1F	4A	SMDLRSTK	0	
SMDHJSAB	1F	4C	SMDLSTER	1F	1
SMDIDUCT	1F	1E	SMDLST64	1F	2D
SMDIHSA	1F	2F	SMDLWSER	1F	4
SMDIHSER	1F	3	SMDNLOC	1F	11
SMDILSTK	1F	24	SMDNORT2	1F	2
SMDLCCA	1F	2	SMDNOSSV	1F	10
SMDLCCX	1F	6	SMDNULL	1F	3B
SMDLIST	1F	2E	SMDPCCA	1F	1
SMDLISTA	1F	42	SMDPCLER	1F	7
SMDLR	0		SMDPSA	1F	3
SMDLR_LEN	14	14	SMDPSNAL	1F	21
SMDLRADR	8		SMDPSRDS	1F	53
SMDLRAID	2		SMDPSRER	1F	14
SMDLRAST	8		SMDPSWRD	1F	52
SMDLRDAT	14		SMDPSWS	1F	31

Name	Hex Offset	Hex Value
SMDREGD	1F	37
SMDREGV	1F	30
SMDRNGER	1F	6
SMDRNGRF	1F	9
SMDRTM2A	1F	39
SMDR2TRT	1F	3A
SMDSDUCT	1F	1F
SMDSDWA	1F	38
SMDSLAER	1F	5
SMSLLER	1F	12
SMSLLSP	1F	13
SMSL64E	1F	16
SMDSPDBL	1F	B
SMDSPDCB	1F	15
SMDSPDHM	1F	E
SMDSPDSE	1F	D
SMDSPEND	1F	49
SMDSPLDS	1F	F
SMDSPNDR	1F	A
SMDSPNOD	1F	C
SMDSPSWR	1F	51
SMDSRBAL	1F	22
SMDSTKE	1F	41
SMSUMLL	1F	36
SMDTRT	1F	4
SMDUNASS	1F	0
SMDUNKWN	1F	63
SMDWDUCT	1F	20
SMDWSACS	1F	4E
SMDWSACV	1F	33
SMDWSAGS	1F	4D
SMDWSAGV	1F	32
SMDWSALS	1F	4F
SMDWSALV	1F	34
SMDWSLPA	1F	50
SMDXMASD	1F	43
SMDXR	0	
SMDXR_LEN	20	20
SMDXRADR	8	
SMDXRADR64	4	
SMDXRADR64H	4	
SMDXRAID	2	
SMDXRCOM	1F	80
SMDXRDC	14	
SMDXRDCSP	14	
SMDXRFLG	1F	
SMDXRID	0	
SMDXRINC	1F	40
SMDXRLEN	10	
SMDXRLEN64	C	
SMDXRMSG	1E	
SMDXROAI	1C	
SMDXRRNG	4	
SMDXSB	1F	40

SMEW Information

SMEW Heading Information

Common Name: SUMMARY DUMP EXTENDED WORK AREA
Macro ID: IHASMEW
DSECT Name: SMEW
Owning Component: SVC DUMP (SCDMP)
Eye-Catcher ID: SMEW
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 239
 Key: 0
 Data Space: NONE
 Residency: ANY,ANY
Size: 52 BYTES
Created by: IEAVTSAI
Pointed to by: RTCTSMEW
Serialization: SDUMP LOCK
Function: USED TO HOLD INFORMATION PERTAINING TO THE DUMPING SERVICES (DUMPSRV) ADDRESS SPACE. THIS INFORMATION IS USED BY THE SUMMARY DUMP PROCESSOR WHEN TAKING AN ENABLED SUSPEND SUMMARY DUMP (SUSPEND=YES ON THE SDUMP MACRO).

SMEW Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	52	SMEW	SUMMARY DUMP EXTENDED WORK AREA
0	(0)	CHARACTER	4	SMEWID	EBCDIC IDENTIFIER -SMEW-
4	(4)	CHARACTER	12	SMEWVB	VIRTUAL BUFFER INFORMATION
4	(4)	ADDRESS	4	SMEWVBST	START OF VIRTUAL BUFFER
8	(8)	SIGNED	4	SMEWVBEN	END OF VIRTUAL BUFFER
12	(C)	SIGNED	4	SMEWVBCT	BLOCK COUNT FOR VIRT BUFF
16	(10)	ADDRESS	2	SMEWSASD	ASID OF SDUMP CALLER
18	(12)	ADDRESS	2	*	RESERVED
20	(14)	ADDRESS	4	SMEWRTRN	COMMON RETURN REGISTER SAVE AREA
24	(18)	CHARACTER	20	SMEWCNTL	AREA FOR CONTROLLING THE BUFFER
24	(18)	ADDRESS	2	SMEWVSPC	SPACE REMANING ON CURRENT PAGE
26	(1A)	ADDRESS	2	SMEWVBUS	NUMBER OF BUFFER BLOCKS USED
28	(1C)	ADDRESS	4	SMEWVBLK	ADDRESS OF CURRENTLY USED BLOCK
32	(20)	ADDRESS	4	SMEWVBAD	ADDRESS OF FREE DATA SPACE
36	(24)	ADDRESS	4	SMEWPSAD	CURRENT SMDUMP PSEUDO ADDRESS
40	(28)	CHARACTER	4	SMEWFLGS	FLAGS USED TO CONTROL BUFFER
40	(28)	CHARACTER	1	SMEWFLG1	FIRST BYTE OF FLAGS
		1...		SMEWVSBW	1=VIRTUAL BUFFER TO WRITE OUT
		.1.		SMEWSBIT	1=S-BIT ONE DURING MOVE PROCESS
		..1.		SMEWVSBF	1=VIRTUAL STORAGE BUFFER IS FULL
44	(2C)	ADDRESS	4	*	RESERVED
48	(30)	ADDRESS	4	*	RESERVED

SMEW Constants

Len	Type	Value	Name	Description
4	DECIMAL	4096	SMEWBKSZ	Virtual buffer block size is only one page of data
4	DECIMAL	52	SMEWLEN	SMEW LENGTH

SMEW Cross Reference

SMEW Cross Reference

Name	Hex Offset	Hex Value
SMEW	0	
SMEWCNTL	18	
SMEWFLGS	28	
SMEWFLG1	28	
SMEWID	0	
SMEWPSAD	24	
SMEWRTRN	14	
SMEWSASD	10	
SMEWSBIT	28	40
SMEWVB	4	
SMEWVBAD	20	
SMEWVBCT	C	
SMEWVBEN	8	
SMEWVBLK	1C	
SMEWVBST	4	
SMEWVBUS	1A	
SMEWVSBF	28	20
SMEWVSBW	28	80
SMEWVSPC	18	

SMWKRSCB Information

SMWKRSCB Heading Information

Common Name: SUMMARY DUMP REAL STORAGE CONTROL BLOCK
Macro ID: IHASDRSB
DSECT Name: SMWKRSCB
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: One per system
 Subpool: 239
 Key: 0
 Residency: Above 16M
Size: DECIMAL 16384, X'4000'
Created by: IEAVTSDI
Pointed to by: SMWKRSM
Serialization: Same as the RTCT
Function: MAPS THE PART OF THE SUMMARY DUMP WORK AREA USED BY
 THE REAL STORAGE MANAGEMENT FUNCTION (RSM) TO CONTAIN
 IMPORTANT ADDRESSES AND COUNTERS WHICH DESCRIBE THE REAL
 STORAGE BUFFER OBTAINED BY RSM FOR SUMMARY DUMP USE DURING A
 SUMMARY SVC DUMP REQUEST.

SMWKRSCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16384	SMWKRSCB	REAL STORAGE BUFFER CONTROL AREA
0	(0)	BITSTRING	1	SMWKFLAG	RESERVED
		1... ..		SMWKSDWR	AT LEAST 1 RECORD OF THE SUMMARY DUMP HAS BEEN WRITTEN TO THE DUMP DATASET
1	(1)	BITSTRING	1	SMWKFCDE	FUNCTION CODE USED TO INDICATE THE TYPE OF REQUEST TO RSM
2	(2)	UNSIGNED	2	SMWKFRHD	Real storage frames Requested/Held, insure logical compares
4	(4)	SIGNED	4	SMWKLSTL	NUMBER OF ENTRIES IN THE LIST POINTED TO BY SMWKLSTA
8	(8)	SIGNED	4	SMWKLSTA	ADDRESS OF THE REAL FRAME POINTERS LIST
12	(C)	ADDRESS	4	SMWKTSDS	ADDRESS OF SUM DUMP STEAL BACK
16	(10)	CHARACTER	8	SMWKSB64	64-bit steal back address
16	(10)	UNSIGNED	4	SMWKSBRV	Reserved
20	(14)	ADDRESS	4	SMWKSBAD	31-bit steal back address
24	(18)	CHARACTER	16360	SMWKRSFM	TABLE OF REAL STORAGE FRAME ADDRESSES
24	(18)	CHARACTER	8	SMWKFRMA64	REAL ADDRESS OF EACH FRAME
				(4294969341:562118808)	
24	(18)	UNSIGNED	4	SMWKRSV	Reserved in S/390 mode
28	(1C)	ADDRESS	4	SMWKFRMA	Real address of each frame for S/390 mode

SMWKRSCB Constants

Len	Type	Value	Name	Description
Comment				
THE FOLLOWING CONSTANTS ARE USED TO SET THE FUNCTION CODE USED TO TELL RSM THE TYPE OF REQUEST.				
End of Comment				
1	HEX	00	SMWKLOK1	OBTAIN RSM SERIALIZATION TO GET REAL STORAGE
1	HEX	01	SMWKLOK2	OBTAIN RSM SERIALIZATION TO TO FREE REAL STORAGE
1	HEX	02	SMWKFLOK	FREE RSM SERIALIZATION
1	HEX	03	SMWKGRSB	OBTAIN THE REAL STORAGE BUFFER
1	HEX	04	SMWKFRUN	FREE UNUSED REAL FRAMES PERFORM RECLAIM
1	HEX	05	SMWKFUSE	FREE USED REAL FRAMES NO RECLAIM
1	HEX	06	SMWKFULL	FREE ALL REAL STORAGE

SMWKRSCB Cross Reference

SMWKRSCB Cross Reference

Name	Hex Offset	Hex Value
SMWKFCDE	1	
SMWKFLAG	0	
SMWKFRHD	2	
SMWKFRMA	1C	
SMWKFRMA64	18	
SMWKLSTA	8	
SMWKLSTL	4	
SMWKRSCB	0	
SMWKRSFM	18	
SMWKRSV	18	
SMWKSBAD	14	
SMWKSBRV	10	
SMWKSBB64	10	
SMWKSDWR	0	80
SMWKTSDS	C	

SNAPX Information

SNAPX Programming Interface information

Programming Interface information

SNAPX

End of Programming Interface information

SNAPX Heading Information • SNAPX Map

SNAPX Heading Information

Common Name: SNAPX PARAMETER LIST
Macro ID: IHASNAPX
DSECT Name: SNPPARMS
Owning Component: ABDUMP - (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller Specified
 Key: Caller's key
 Data Space: None
 Residency: any,any
Size: 50 BYTES
Created by: Caller
Pointed to by: Caller
Serialization: None
Function: MAPS THE SNAPX PARAMETER LIST

SNAPX Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SNPPARMS	
0	(0)	SIGNED	4	(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)	BITSTRING	1	SNPIDENT	DUMP ID SUPPLIED BY USER
1	(1)	BITSTRING	1	SNPFLAG	FLAG BYTE 0
		1... ..		SNPSNAP	"BIT0" 0=SNAP REQUEST 1=SVC DUMP REQUEST
		..1.		SNPV2	"BIT1" 0=OS/VS2 REL.1 PARAMETER LIST 1=OS/VS2 REL.2 PARAMETER LIST
		..1.		SNPV2EN	"BIT2" 1=OS/VS2 ENHANCED SNAP
		..1.		SNPABEND	"BIT3" 0=ABEND IS CALLER 1=SNAP REQUEST
		.... 1..		SNPID	"BIT4" 1=ID SPECIFIED
		.... ..1.		SNPTCB	"BIT5" 1=TCB SPECIFIED
		.... ..1.		SNPLIST	"BIT6" 1=STORAGE LIST SPECIFIED
		.... ..1		SNPHDR	"BIT7" 1=HEADER LIST SPECIFIED
2	(2)	BITSTRING	1	SNPFLAG1	FLAG BYTE 1
		1... ..		SNPV3	"BIT0" 1=OS/VS2 JBB1226
Comment					
EQU BIT1 RESERVED					
EQU BIT2 RESERVED					
EQU BIT3 RESERVED					
End of Comment					
		.... 1..		SNPDLIST	"BIT4" 1=DATA SPACES LIST SPECIFIED
		.... ..1.		SNPLVL2	"BIT5" 1=HBB2102 SNAP PARMLIST
		.... ..1.		SNPSUBP	"BIT6" 1=SUBPOOL LIST SUPPLIED
		.... ..1		SNPLVL3	"BIT7" 1=HBB3310 PARMLIST
3	(3)	BITSTRING	1	SNPVRSN	VERSION NUMBER, 1=HBB3310
4	(4)	BITSTRING	1	SNPSDATA	SDATA OPTIONS
		1... ..		SNPNUC	"BIT0" 1=DUMP NUCLEUS,PSA,SQA,LSQA
		..1.		SNPSQA	"BIT1" 1=DUMP SQA
		..1.		SNPLSQA	"BIT2" 1=DUMP LSQA
		...1		SNPSWA	"BIT3" 1=DUMP SWA
		.... 1..		SNPTRT	"BIT4" 1=INCLUDE TRACE TABLE (SUPERVISOR OR GTF)
		.... ..1.		SNPCB	"BIT5" 1=FORMAT CNTRL BLKS FOR TASK
		.... ..1.		SNPQCB	"BIT6" 1=FORMAT ENQUEUE CNTRL BLKS FOR TASK
		.... ..1		SNPDM	"BIT7" 1=FORMAT DATA MGT. CONTROL BLKS.
5	(5)	BITSTRING	1	SNPSDAT1	SDATA OPTIONS
		1... ..		SNPIO	"BIT0" 1=FORMAT CONTROL BLKS.
		..1.		SNPERR	"BIT1" 1=FORMAT ERROR CONTROL BLKS
		..1.		SNPPCDAT	"BIT2" 1=PCDATA WAS REQUESTED
		...1		SNPSUM	"BIT3" 1=DISPLAY SUMMARY DUMP
		.... 1..		SNPALLVN	"BIT4" 1=DISPLAY VIRTUAL NUCLEUS

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
EQU BIT5 RESERVED					
EQU BIT6 RESERVED					
EQU BIT7 RESERVED					
End of Comment					
6	(6)	BITSTRING	1	SNPPDATA	PDATA OPTIONS
		1...		SNPSAVE	"BIT0" 1=DISPLAY SAVE AREA TRACE
		..1.		SNPSAVE2	"BIT1" 0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADS
		..1.		SNPREGS	"BIT2" 1=DISPLAY REGS- ENTRY TO SNAP/ABEND
		...1		SNPLPA	"BIT3" 1=DISPLAY ACTIVE LPA MODULES
		.... 1...		SNPJPA	"BIT4" 1=DISPLAY JPA MODULES
		.... ..1.		SNPPSW	"BIT5" 1=DISPLAY PSW, ILC, INTERRUPT CODE
		.... ..1.		SNPSPLS	"BIT6" 1=DISPLAY USER SUBPOOLS: 0-127
		.... ...1		SNPSTSK	"BIT7" 1=DISPLAY SUBTASK DATA
7	(7)	BITSTRING	1		RESERVED
8	(8)	ADDRESS	4	SNPDCB	ADDRESS OF DCB FOR DUMP DATA SET
12	(C)	ADDRESS	4	SNPTCBA	ADDRESS OF TCB TO BE DISPLAYED
16	(10)	ADDRESS	4	SNPSTOR	ADDRESS OF STORAGE LIST LIST CONTAINS BEGIN AND END ADDR OF AREAS TO BE DUMPED
20	(14)	ADDRESS	4	SNPHDRA	ADDR OF HEADER LIST
24	(18)	ADDRESS	4	SNPSUBL	ADDR OF SUBPOOL LIST
28	(1C)	SIGNED	4	SNPDCBAL	ALET OF DCB
32	(20)	SIGNED	4	SNPSTRAL	ALET OF STORAGE/LIST
36	(24)	SIGNED	4	SNPHDRAL	ALET OF HEADER LIST
40	(28)	SIGNED	4	SNPSPLAL	ALET OF SUBPOOL LIST
44	(2C)	ADDRESS	4	SNPDSPL	ADDR OF STOKEN LIST
48	(30)	SIGNED	4	SNPDSPAL	ALET OF STOKEN LIST

SNAPX Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
BIT0	0	80	SNPSAVE	6	80
BIT1	0	40	SNPSAVE2	6	40
BIT2	0	20	SNPSDATA	4	
BIT3	0	10	SNPSDAT1	5	
BIT4	0	8	SNPSLIST	1	2
BIT5	0	4	SNPSNAP	1	80
BIT6	0	2	SNPSPLAL	28	
BIT7	0	1	SNPSPLS	6	2
SNPABEND	1	10	SNPSQA	4	40
SNPALLVN	5	8	SNPSTOR	10	
SNPCB	4	4	SNPSTRAL	20	
SNPDCB	8		SNPSTSK	6	1
SNPDCBAL	1C		SNPSUBL	18	
SNPDLIST	2	8	SNPSUBP	2	2
SNPDM	4	1	SNPSUM	5	10
SNPDSPAL	30		SNPSWA	4	10
SNPDSPL	2C		SNPTCB	1	4
SNPERR	5	40	SNPTCBA	C	
SNPFLAG	1		SNPTRT	4	8
SNPFLAG1	2		SNPVRSN	3	
SNPHDR	1	1	SNPVS2	1	40
SNPHDRA	14		SNPVS2EN	1	20
SNPHDRAL	24		SNPVS3	2	80
SNPID	1	8			
SNPIDENT	0				
SNPIO	5	80			
SNPJPA	6	8			
SNPLPA	6	10			
SNPLSQA	4	20			
SNPLVL2	2	4			
SNPLVL3	2	1			
SNPNUC	4	80			
SNPPARMS	0				
SNPPCDAT	5	20			
SNPPDATA	6				
SNPPSW	6	4			
SNPQCB	4	2			
SNPREGS	6	20			

SPD Information

SPD Heading Information

Common Name: VSM Cell Pool Secondary Extent Descriptor
Macro ID: IGVSPD
DSECT Name: SPD
Owning Component: Virtual Storage Manager (SC1CH)
Storage Attributes: Subpool: 245, 255
 Key: 0
 Residency: Above 16M line
Size: 64 bytes
Created by: IGVCPLD and IGVCPEXT
Pointed to by: PPDSPD, SPDNEXT
Serialization: LOCAL/CML lock for local cell pools
 VSMPAG for pageable global cell pools
 VSMFIX for fixed global cell pools
Function: Anchor for the secondary cell pool extents.

SPD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	SPD	SECONDARY POOL DESCRIPTOR
0	(0)	CHARACTER	4	SPDID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	SPDNEXT	POINTER TO NEXT SPD
8	(8)	ADDRESS	4	SPDSXT (4294967310:0)	ARRAY OF EXTENT POINTERS

SPQA Information

SPQA Heading Information

Common Name: VSM Subpool Queue Anchors
Macro ID: IHASPQA
DSECT Name: SPQA, SPQX
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
 Key: 0
 Residency: Above 16M line
Size: SPQA -- 24 bytes
 SPQX -- 24 bytes
Created by: IGVGPVT, IGVGAPVT, IGVSTSKI
Pointed to by: SPQESPQA, SPQESPQX
Serialization: LOCAL lock
Function: Contains the anchors for the DQE queues.

SPQA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	SPQA	SUBPOOL QUEUE ANCHORS
0	(0)	CHARACTER	8	SPQABDQE	BACKED BELOW DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPQAFBDQ	ADDRESS OF FIRST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
4	(4)	ADDRESS	4	SPQALBDQ	ADDRESS OF LAST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
8	(8)	CHARACTER	8	SPQAADQE	BACKED ANYWHERE DQE QUEUE ANCHORS
8	(8)	ADDRESS	4	SPQAFADQ	ADDRESS OF FIRST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
12	(C)	ADDRESS	4	SPQALADQ	ADDRESS OF LAST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
16	(10)	CHARACTER	8	SPQA6DQE	VIRTUAL BELOW, REAL ANY64
16	(10)	ADDRESS	4	SPQAF6DQ	ADDRESS OF FIRST BANY64 DQE FOR THIS SUBPOOL/KEY
20	(14)	ADDRESS	4	SPQAL6DQ	ADDRESS OF LAST BANY64 DQE FOR THIS SUBPOOL/KEY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	SPQX	SPQA extension. It has the "above" queues
0	(0)	CHARACTER	8	SPQXEDQE	EXTENDED DQE QUEUE ANCHORS
0	(0)	CHARACTER	8	SPQAEDQE	EXTENDED DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPQXFEDQ	ADDRESS OF FIRST EXTENDED DQE FOR THIS SUBPOOL/KEY
0	(0)	ADDRESS	4	SPQAFEDQ	
4	(4)	ADDRESS	4	SPQXLEDQ	ADDRESS OF LAST EXTENDED DQE FOR THIS SUBPOOL/KEY
4	(4)	ADDRESS	4	SPQALEdq	
8	(8)	CHARACTER	8	SPQX7DQE	ANY31,ANY64
8	(8)	CHARACTER	8	SPQA7DQE	ANY31,ANY64
8	(8)	ADDRESS	4	SPQXF7DQ	ADDRESS OF FIRST ANY31ANY64 DQE FOR THIS SUBPOOL/KEY
8	(8)	ADDRESS	4	SPQAF7DQ	
12	(C)	ADDRESS	4	SPQXL7DQ	ADDRESS OF LAST ANY31ANY64 DQE FOR THIS SUBPOOL/KEY
12	(C)	ADDRESS	4	SPQAL7DQ	
16	(10)	CHARACTER	8	SPQXLDQE	LARGE PAGE DQE ANCHORS
16	(10)	CHARACTER	8	SPQALDQE	
16	(10)	ADDRESS	4	SPQXFLDQ	ADDRESS OF FIRST LARGE PAGE DQE FOR THIS SUBPOOL/KEY
16	(10)	ADDRESS	4	SPQAFLDQ	
20	(14)	ADDRESS	4	SPQXLLDQ	ADDRESS OF LAST LARGE PAGE DQE FOR THIS SUBPOOL/KEY
20	(14)	ADDRESS	4	SPQALLDQ	

SPQA Cross Reference

SPQA Cross Reference

Name	Hex Offset	Hex Value
SPQA	0	
SPQAADQE	8	
SPQABDQE	0	
SPQAEDQE	0	
SPQAFADQ	8	
SPQAFBDQ	0	
SPQAFEDQ	0	
SPQAFLDQ	10	
SPQAF6DQ	10	
SPQAF7DQ	8	
SPQALADQ	C	
SPQALBDQ	4	
SPQALDQE	10	
SPQALDQ	4	
SPQALLDQ	14	
SPQAL6DQ	14	
SPQAL7DQ	C	
SPQA6DQE	10	
SPQA7DQE	8	
SPQX	0	
SPQXEDQE	0	
SPQXFEDQ	0	
SPQXFLDQ	10	
SPQXF7DQ	8	
SPQXLDQE	10	
SPQXLEDQ	4	
SPQXLLDQ	14	
SPQXL7DQ	C	
SPQX7DQE	8	

SPQE Information

SPQE Heading Information

Common Name: VSM Subpool Queue Element
Macro ID: IHASPQE
DSECT Name: SPQE
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: 255
 Key: 0
 Residency: Above 16M line
Size: 24 bytes
Created by: IGVGPVT, IGVSTSKI, IGVGAPVT
Pointed to by: SPQENEXT, TCBMSS, TCBUKYSP, TCBSWA
Serialization: LOCAL lock
Function: Describes the space allocated to a subpool and the attributes of that space.

SPQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPQE	SUBPOOL QUEUE ELEMENT
0	(0)	ADDRESS	4	SPQENEXT	ADDRESS OF NEXT SPQE
4	(4)	ADDRESS	4	SPQESPQX	ADDRESS OF EXTENDED PART OF SPQA
8	(8)	ADDRESS	4	SPQESPQA	ADDRESS OF SPQA
12	(C)	ADDRESS	4	SPQETCB	ADDRESS OF OWNING TCB
16	(10)	CHARACTER	3	SPQESPKY	SUBPOOL AND KEY COMBINATION
16	(10)	SIGNED	2	SPQESPID	SUBPOOL ID
16	(10)	UNSIGNED	1	*	RESERVED
17	(11)	UNSIGNED	1	SPQEID	LOW ORDER BYTE OF SUBPOOL ID
18	(12)	BITSTRING	1	SPQEKEY	STORAGE KEY OF SPACE WITHIN THIS SUBPOOL (BITS 0 - 3)
19	(13)	BITSTRING	1	SPQEFLGS	SPQE FLAG FIELD
		1...		SPQESHR	IF ONE SUBPOOL IS SHARED
		.1..		*	
		..1.		SPQEOWN	IF ONE SUBPOOL IS OWNED

SPQE Cross Reference

Name	Hex Offset	Hex Value
SPQE	0	
SPQEFLGS	13	
SPQEID	11	
SPQEKEY	12	
SPQENEXT	0	
SPQEOWN	13	20
SPQESHR	13	80
SPQESPID	10	
SPQESPKY	10	
SPQESPQA	8	
SPQESPQX	4	
SPQETCB	C	

SPT Information

SPT Heading Information

Common Name: VSM Subpool Table
Macro ID: IHASPT
DSECT Name: SPT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: SPT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: 1540 bytes
Created by: IEAVNP08
Pointed to by: GDASPT
Serialization: VSMFIX lock for fixed CSA subpools
 VSMPAG lock for pageable CSA subpools
Function: Contains the anchors for the CSA DQE queues.

SPT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	2564	SPT	SUBPOOL TABLE
0	(0)	CHARACTER	4	SPTID	CONTROL BLOCK IDENTIFIER
4	(4)	CHARACTER	40	SPTNTRY (4294967300:15,0:562115576)	SUBPOOL TABLE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	SPTENT	SUBPOOL TABLE ENTRY
0	(0)	CHARACTER	8	SPTBDQE	BACKED BELOW DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPTFBDQE	ADDRESS OF FIRST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
4	(4)	ADDRESS	4	SPTLBDQE	ADDRESS OF LAST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
8	(8)	CHARACTER	8	SPTADQE	BACKED ANYWHERE DQE QUEUE ANCHORS
8	(8)	ADDRESS	4	SPTFADQE	ADDRESS OF FIRST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
12	(C)	ADDRESS	4	SPTLADQE	ADDRESS OF LAST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
16	(10)	CHARACTER	8	SPT6DQE	BELOW,ANY64 DQE queue anchors
16	(10)	ADDRESS	4	SPTF6DQE	Address of first BANY64 DQE for this subpool/key
20	(14)	ADDRESS	4	SPTL6DQE	Address of last BANY64 DQE for this subpool/key
24	(18)	CHARACTER	8	SPTEDQE	EXTENDED DQE QUEUE ANCHORS
24	(18)	ADDRESS	4	SPTFEDQE	ADDRESS OF FIRST EXTENDED DQE FOR THIS SUBPOOL/KEY
28	(1C)	ADDRESS	4	SPTLEDQE	ADDRESS OF LAST EXTENDED DQE FOR THIS SUBPOOL/KEY
32	(20)	CHARACTER	8	SPT7DQE	ANY31,ANY64 DQE queue anchors
32	(20)	ADDRESS	4	SPTF7DQE	Address of first ANY31ANY64 DQE for this subpool/key
36	(24)	ADDRESS	4	SPTL7DQE	Address of last ANY31ANY64 DQE for this subpool/key

SPT Constants • SPT Cross Reference

SPT Constants

Len	Type	Value	Name	Description
4	DECIMAL	1	SPT227	SPT INDEX FOR SUBPOOL 227
4	DECIMAL	2	SPT228	SPT INDEX FOR SUBPOOL 228
4	DECIMAL	3	SPT231	SPT INDEX FOR SUBPOOL 231
4	DECIMAL	4	SPT241	SPT INDEX FOR SUBPOOL 241

SPT Cross Reference

Name	Hex Offset	Hex Value
SPT	0	
SPTADQE	8	
SPTBDQE	0	
SPTEDQE	18	
SPTENT	0	
SPTFADQE	8	
SPTFBDQE	0	
SPTFEDQE	18	
SPTF6DQE	10	
SPTF7DQE	20	
SPTID	0	
SPTLADQE	C	
SPTLBDQE	4	
SPTLEDQE	1C	
SPTL6DQE	14	
SPTL7DQE	24	
SPTNTRY	4	
SPT6DQE	10	
SPT7DQE	20	

SPTRC Information

SPTRC Heading Information

Common Name: Supervisor Control Services System Trace Entry Templates
Macro ID: IHASPTRC
DSECT Name: SPETCL1 SPETCL2 SPESC2 SPESC4 SPESCA SPDSGNL SPDISGNL SPRPSGNL SPSCHF SPVRT SPTIDE
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
 Key: 0
 Residency: Above 16 megabytes in virtual storage
Size: 20 BYTES PER TEMPLATE
Created by: IEAVERI
 IEAVESCO
 IEAVETCL
 IEAVSCHA
 IEAVSCHD
 IEAVSRBP
 IEAVSRBR
 IEAVSRBS
 IEAVSCHF
 IEAVEGAR
 IEAVEGUR
 IEAVRTIO
Pointed to by: WSACSTPL field of the CPU-related WSAVT
 WSACTIME field of the CPU-related WSAVT
Serialization: Disablement serializes system trace parameter list.
Function: Provides a template for building and documenting Supervisor Control services System Trace Table entries.

Note: This mapping macro contains multiple mappings of the supervisor control system trace data. The first word in each entry appears under the heading 'Address-' in the formatted trace tables. The remaining words appear under: Unique-1, Unique-2, Unique-3, and Unique-4.

SPTRC Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	20	SPETCL1	IEAVSPN1 ENTRY POINT OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X010E)	
0	(0)	ADDRESS	4	SPET1RET	CALLERS RETURN ADDRESS	
4	(4)	ADDRESS	4	SPET1TAA	TARGET ADDRESS SPACE ASCB ADDRESS	
8	(8)	ADDRESS	4	SPET1TAR	ADDRESS OF TCB TO BE SUSPENDED	
12	(C)	ADDRESS	4	SPET1RAR	ADDRESS OF RB TO BE SUSPENDED	
16	(10)	BITSTRING	1	SPET1FLG	IEAVETCL OPTION FLAG BYTE	
		1111 1...		*	RESERVED	
		.... .1..		SPET1FRB	RB OPERAND INDICATION FLAG (0 - RB=CURRENT AND 1 - RB=PREVIOUS)	
17	(11)	CHARACTER	3	SPET1RSV	RESERVED	
20	(14)	CHARACTER	0	SPETCL1E	END OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	20	SPETCL2	IEAVRSH1, IEAVRSS1, IEAVRSU1, IEAVRSC1, IEAVRSA1, IEAVRSRB, IEAVRSM5 ENTRY POINTS OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X010F)	
0	(0)	ADDRESS	4	SPET2RET	CALLERS RETURN ADDRESS OR 0 WHICH INDICATES THAT THE RETURN=N OPTION WAS SPECIFIED ON THE RESUME MACRO	
4	(4)	ADDRESS	4	SPET2TAA	TARGET ADDRESS SPACE ASCB ADDRESS	
8	(8)	ADDRESS	4	SPET2TAR	ADDRESS OF TCB TO BE RESUMED	
		1...		SPET2FMD	MODE OPERAND INDICATION FLAG (1 - MODE=COND AND 0 - MODE=UNCOND)	
12	(C)	ADDRESS	4	SPET2RAR	ADDRESS OF RB TO BE RESUMED	
		1...		SPET2FRS	RSM RESET REQUEST INDICATION (1 - RSM RESET REQUESTED AND 0 - RSM RESET NOT REQUESTED)	
16	(10)	BITSTRING	1	SPET2FLG	IEAVETCL OPTION FLAG BYTE	
		1...		SPET2FAS	ASYNCR OPERAND INDICATION FLAG (1 - ASYNCR=YES AND 0 - ASYNCR=NO)	
17	(11)	CHARACTER	3	SPET2RSV	RESERVED	
20	(14)	CHARACTER	0	SPETCL2E	END OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE	

SPTRC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPESC2	IEAVESC2 AND IEAVESC8 ENTRY POINTS OF IEAVESC0, AND IEAVSCHA, and IEAVSCHD SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0110, X0112, X011B, X011D)
0	(0)	ADDRESS	4	SPES2RET	CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	SPES2SRB	ADDRESS OF SRB TO BE SCHEDULED
8	(8)	ADDRESS	4	SPES2TAA	TARGET ADDRESS SPACE ASCB ADDRESS
12	(C)	ADDRESS	4	SPES2EPA	ENTRY POINT ADDRESS OF ROUTINE TO EXECUTE IN THE TARGET ADDRESS SPACE
16	(10)	BITSTRING	1	SPES2PK	PROTECT KEY INDICATOR
17	(11)	BITSTRING	1	SPES2OPF	SRB OPTION FLAGS (SEE SRBFLGS)
17	(11)	BITSTRING	1	SPES2FL1	IEAMSCHD FLAGS1
18	(12)	BITSTRING	1	SPES2TPF	SRB TYPE FLAGS (SEE SRBFLGS1)
18	(12)	BITSTRING	1	SPES2FL2	IEAMSCHD FLAGS2
19	(13)	BITSTRING	1	SPES2HLH	SUSPEND LOCKS HELD AT SRB SUSPENSION INDICATOR
19	(13)	BITSTRING	1	SPES2FL3	IEAMSCHD FLAGS3
20	(14)	CHARACTER	0	SPESC2E	END OF IEAVESC0, IEAVSCHA SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPESC4	IEAVESC4 ENTRY POINT OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0111)
0	(0)	ADDRESS	4	SPES4RET	IEAVESC4 CALLERS RETURN ADDRESS
4	(4)	CHARACTER	16	SPES4RSV	RESERVED
20	(14)	CHARACTER	0	SPESC4E	END OF IEAVESC4 SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPESCA	IEAVESCA AND IEAVESCC ENTRY POINTS OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0116 AND X0117)
0	(0)	ADDRESS	4	SPESARET	CALLERS RETURN ADDRESS
4	(4)	ADDRESS	4	SPESASRB	ADDRESS OF SRB TO BE SCHEDULED
8	(8)	ADDRESS	4	SPESATAA	TARGET ADDRESS SPACE ASCB ADDRESS
12	(C)	BITSTRING	8	SPESASTK	TOKEN REPRESENTING THE TARGET ADDRESS SPACE.
20	(14)	CHARACTER	0	SPESCAE	END OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPDSGNL	DSGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0113)
0	(0)	ADDRESS	4	SPDSGRET	DSGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPDSGPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE DSGNL
6	(6)	UNSIGNED	2	SPDSGPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE DSGNL
8	(8)	UNSIGNED	4	SPDSGST	STATUS REGISTERS CONTENTS (IF SPDSGRC=8) OR ZERO
12	(C)	UNSIGNED	1	SPDSGSOC	SIGP ORDER CODE
13	(D)	UNSIGNED	1	SPDSGRC	IEAVESGP RETURN CODE
14	(E)	CHARACTER	6	SPDSGRSV	RESERVED
20	(14)	CHARACTER	0	SPDSGNLE	END OF DSGNL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPRISGNL	RISGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0114)
0	(0)	ADDRESS	4	SPRISRET	RISGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPRISPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE RISGNL
6	(6)	UNSIGNED	2	SPRISPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE RISGNL
8	(8)	UNSIGNED	1	SPRISSOC	SIGP ORDER CODE
9	(9)	UNSIGNED	1	SPRISRC	IEAVESGP RETURN CODE
10	(A)	CHARACTER	2	SPRISRSV	RESERVED
12	(C)	CHARACTER	4	SPRISRSN	SIGP Reason code for return code 8
16	(10)	CHARACTER	4	SPRISRS2	Reserved
20	(14)	CHARACTER	0	SPRISGLE	END OF RISGNL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPRPSGNL	RPSGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0115)
0	(0)	ADDRESS	4	SPRPSRET	RPSGNL CALLERS RETURN ADDRESS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	UNSIGNED	2	SPRPPSCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE RPSGNL
6	(6)	UNSIGNED	2	SPRPPSCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE RPSGNL
8	(8)	UNSIGNED	1	SPRPPSOC	SIGP ORDER CODE
9	(9)	UNSIGNED	1	SPRPPSRC	IEAVESGP RETURN CODE
10	(A)	CHARACTER	10	SPRPPRSV	RESERVED
20	(14)	CHARACTER	0	SPRPPSGLE	END OF RPSGNL SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPSRPSRB	SRB Suspend/Resume/Purge System Trace Entry template The suspend entry is also logged by IEAVSCHA. (SSRVID=X0118/X0119/X011A).
0	(0)	ADDRESS	4	SPSRRESA	Address at which the SRB will be resumed.
4	(4)	ADDRESS	4	SPSRSSRB	Address of the SRB associated with the suspended SRB routine.
8	(8)	CHARACTER	8	SPSRTKN	Suspend Token which uniquely identifies the suspended routine.
16	(10)	CHARACTER	4	SPSRRSV	Reserved.
20	(14)	CHARACTER	0	SPSRPE	End of SRB Suspend/Resume/Purge System Trace entry template.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPSCHF	IEAVSCHF exit to user routine. This is an SRB Dispatch out of the Sched w/Addr front-end (SRVID=X'011C')
0	(0)	CHARACTER	8	SPPSW	SRB Dispatch PSW
8	(8)	CHARACTER	4	SPSRBAD	User's Register 0
12	(C)	CHARACTER	4	SPSRBPRM	User's SRB parameter
16	(10)	CHARACTER	4	SPSRBFRR	User's FRR parm or value in R2 at time of SRB Dispatch.
20	(14)	CHARACTER	0	SPESCHF	End of IEAVSCHF System Trace entry template.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPPRT	Pause/Release/Transfer System Trace Entry template The Pause entry is logged by IEAVEGAR and IEAVEGUR. (SSRVID=X011E/X011F)
0	(0)	ADDRESS	4	SPPRTCRA	Return address of the caller of the Pause/Release/ Transfer service
4	(4)	ADDRESS	4	SPPRTSSD	Address of the SSD associated with the Paused DU routine.
8	(8)	ADDRESS	4	SPPRTSSD2	For a transfer Pause trace: Address of the SSD associated with the DU to which the transfer went. For a transfer Release trace: Address of the SSD associated with the DU from which the transfer came.
12	(C)	ADDRESS	4	SPPRTDUA	For Release/transfer Release: Address of the DU being released. WEB address for SRBs TCB address for Tasks
16	(10)	UNSIGNED	2	SPPRTASN	For Release/transfer Release: ASN of the DU being released
18	(12)	CHARACTER	2	SPPRTRSV	Reserved
20	(14)	CHARACTER	0	SPPRTE	End of Pause/Release/Transfer System Trace entry template.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SPTIDE	Timer DIE trace entry template, logged by IEAVRTI0. SSRVID=X0120
0	(0)	ADDRESS	4	SPTIDE_TQEEXIT	TQEEXIT
4	(4)	CHARACTER	8	SPTIDE_CPUTIME	CPU Time within exit
12	(C)	CHARACTER	8	SPTIDE_DIEENTRYSTCKF	DIE entry STCKF
20	(14)	CHARACTER	0	SPTIDE_E	End of Timer DIE System Trace entry template.

SPTRC Cross Reference

SPTRC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SPDSGNL	0		SPRPSGLE	14	
SPDSGNLE	14		SPRPSGNL	0	
SPDSGPCR	4		SPRPSPCR	4	
SPDSGPCT	6		SPRPSPCT	6	
SPDSGRC	D		SPRPSRC	9	
SPDSGRET	0		SPRPSRET	0	
SPDSGRSV	E		SPRPSRSV	A	
SPDSGSOC	C		SPRPSROC	8	
SPDSGST	8		SPSCHF	0	
SPESARET	0		SPSRBAD	8	
SPESASRB	4		SPSRBFRR	10	
SPESASTK	C		SPSRBPRM	C	
SPESATAA	8		SPSRPE	14	
SPESCA	0		SPSRPSRB	0	
SPESCAE	14		SPSRRESA	0	
SPESCHF	14		SPSRRSV	10	
SPESC2	0		SPSRSSRB	4	
SPESC2E	14		SPSRTKN	8	
SPESC4	0		SPTIDE	0	
SPESC4E	14		SPTIDE_CPU	4	
SPES2EPA	C		SPTIDE_DIEENTRYSTCKF	C	
SPES2FL1	11		SPTIDE_E	14	
SPES2FL2	12		SPTIDE_TQEEXIT	0	
SPES2FL3	13				
SPES2HLH	13				
SPES2OPF	11				
SPES2PK	10				
SPES2RET	0				
SPES2SRB	4				
SPES2TAA	8				
SPES2TPF	12				
SPES4RET	0				
SPES4RSV	4				
SPETCL1	0				
SPETCL1E	14				
SPETCL2	0				
SPETCL2E	14				
SPET1FLG	10				
SPET1FRB	10	04			
SPET1RAR	C				
SPET1RET	0				
SPET1RSV	11				
SPET1TAA	4				
SPET1TAR	8				
SPET2FAS	10	80			
SPET2FLG	10				
SPET2FMD	8	80			
SPET2FRS	C	80			
SPET2RAR	C				
SPET2RET	0				
SPET2RSV	11				
SPET2TAA	4				
SPET2TAR	8				
SPPRT	0				
SPPRTASN	10				
SPPRTCRA	0				
SPPRTDUA	C				
SPPRTE	14				
SPPRTRSV	12				
SPPRTSSD	4				
SPPRTSSD2	8				
SPPSW	0				
SPRISGLE	14				
SPRISGNL	0				
SPRISPCR	4				
SPRISPCT	6				
SPRISRC	9				
SPRISRET	0				
SPRISRSN	C				
SPRISRSV	A				
SPRISRS2	10				
SPRISSOC	8				

SPTT Information

SPTT Heading Information

Common Name: VSM Subpool Translation Table
Macro ID: IGVSPPT
DSECT Name: SPTT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: None
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: Above 16M
Size: 260 bytes
Created by: IPL
Pointed to by: GDASPTT
Serialization: None
Function: Describes storage characteristics for each external subpool ID.

SPTT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	10	SPTTENT	SUBPOOL TRANSLATION TABLE ENTRY
0	(0)	UNSIGNED	1	SPTTTYPE	TYPE OF STORAGE
1	(1)	UNSIGNED	1	SPTTOWN	STORAGE OWNERSHIP
2	(2)	CHARACTER	1	SPTTCHAR	STORAGE CHARACTERISTICS
		1... ..		SPTTFIX	0 => PAGABLE 1 => FIXED IGNORED IF SPTTDREF='1'B
		.1.		SPTTPROT	0 => NON-FETCH PROTECTION 1 => FETCH PROTECTION
		..1.		SPTTVABV	1 => ALLOCATE ABOVE 16M
		...1		SPTTVBLW	1 => ALLOCATE BELOW 16M
		.... 1..		SPTTREAL	0 => BACKED BELOW 16M 1 => BACKED ANYWHERE < 2G
		.... 1..		SPTTR31	0 => BACKED BELOW 16M 1 => BACKED ANYWHERE < 2G (Also on when SPTTR64)
		.... .1..		SPTTFBQE	0 => ALLOCATE FROM LOW TO HIGH 1 => ALLOCATE FROM HIGH TO LOW
		.... .1..		SPTTKSPC	0 => SUBPOOL HAS NO SPECIFIC KEY 1 => SUBPOOL HAS SPECIFIC KEY
		.... ..1		SPTTKTCB	0 => USE PSW KEY 1 => USE TCB KEY IGNORED IF SPTTKSPC = '1'B
3	(3)	CHARACTER	1	SPTTATTR	STORAGE ATTRIBUTES
		1... ..		SPTTDREF	0 => NOT DREF STORAGE 1 => DREF STORAGE
		.1.		SPTTR64	1 => BACKED Anywhere
		..1.		SPTT1MB	0 => Can't back with 1MB page frames 1 => Can be backed with 1MB page frames
		...1		*	RESERVED
		.... 1..		*	RESERVED
		.... .1..		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1		*	RESERVED
4	(4)	CHARACTER	1	SPTTFLGS	MISC. FLAGS
		1... ..		SPTTDEF	0 => SUBPOOL ID IS UNDEFINED 1 => SUBPOOL ID IS DEFINED
		.1.		SPTTAUTH	0 => NO AUTHORIZATION REQUIRED 1 => AUTHORIZATION REQUIRED
		..1.		SPTTEXTK	0 => KEY CAN NOT BE EXTERNALLY SPECIFIED 1 => KEY CAN BE EXTERNALLY SPECIFIED
		...1		SPTTSPFM	0 => CAN NOT BE SUBPOOL FREED 1 => CAN BE SUBPOOL FREED
		.... 1..		SPTTGLSP	0 => NOT ALLOWED ON GLOBAL ENTRY 1 => ALLOWED ON GLOBAL ENTRY
		.... .1..		SPTTROPT	0 => REAL OPTION CANNOT BE EXTERNALLY SPECIFIED 1 => REAL OPTION CAN BE EXTERNALLY SPECIFIED
		.... ..1		SPTTCONV	0 => PAGES ARE OBTAINED FROM FBQES 1 => PAGES CAN BE CONVERTED FROM ANOTHER SUBPOOL
		.... ...1		SPTTBACK	0 => ALL PAGES ARE TO BE BACKED AT GETMAIN TIME 1 => ONLY FIRST PAGE IS TO BE BACKED AT GETMAIN TIME
5	(5)	UNSIGNED	1	SPTTKEY	SPECIFIC KEY - IF ONE EXISTS
6	(6)	SIGNED	2	SPTTSPID	EXTERNAL SUBPOOL ID
6	(6)	CHARACTER	1	*	
7	(7)	UNSIGNED	1	SPTTSP	EXTERNAL SUBPOOL ID
8	(8)	SIGNED	2	SPTTRTNI	IGVSMRT ROUTINE INDEX
10	(A)	CHARACTER	0	SPTTEND	END OF SPTT MAP

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SPTT	SUBPOOL TRANSLATION TABLE

SPTT Constants • SPTT Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	4	SPTTID	CONTROL BLOCK IDENTIFIER
4	(4)	UNSIGNED	1	SPTTINDX (255:562114560)	SUBPOOL TRANSLATION INDEX TBL
260	(104)	CHARACTER	10	SPTTNTRY (*)	SUBPOOL TRANSLATION TABLE ENTRIES

SPTT Constants

Len	Type	Value	Name	Description
1	DECIMAL	0	SPTTSQA	SQA STORAGE
1	DECIMAL	1	SPTTCSA	CSA STORAGE
1	DECIMAL	2	SPTTLSQA	LSQA STORAGE
1	DECIMAL	3	SPTTPVT	PRIVATE AREA STORAGE
1	DECIMAL	7	SPTTPVTLP	PRIVATE AREA STORAGE POTENTIALLY BACKED BY LARGE PAGES
1	DECIMAL	0	SPTTNONE	UNRELATED STORAGE
1	DECIMAL	1	SPTTMEM	MEMORY RELATED STORAGE
1	DECIMAL	2	SPTTSTEP	JOB-STEP RELATED STORAGE
1	DECIMAL	3	SPTTTASK	TASK RELATED STORAGE

SPTT Cross Reference

Name	Hex Offset	Hex Value
SPTT	0	
SPTTATTR	3	
SPTTAUTH	4	40
SPTTBACK	4	01
SPTTCHAR	2	
SPTTCONV	4	02
SPTTDEF	4	80
SPTTDREF	3	80
SPTTEND	A	
SPTTENT	0	
SPTTEXTK	4	20
SPTTFBQE	2	04
SPTTFIX	2	80
SPTTFLGS	4	
SPTTGLSP	4	08
SPTTID	0	
SPTTINDX	4	
SPTTKEY	5	
SPTTKSPC	2	02
SPTTKTCB	2	01
SPTTNTRY	104	
SPTTOWN	1	
SPTTPROT	2	40
SPTTREAL	2	08
SPTTROPT	4	04
SPTTRTNI	8	
SPTTR31	2	08
SPTTR64	3	40
SPTTSP	7	
SPTTSPFM	4	10
SPTTSPID	6	
SPTTTYPE	0	
SPTTVABV	2	20
SPTTVBLW	2	10
SPTT1MB	3	20

SQAT Information

SQAT Heading Information

Common Name: SIZE QUEUE ANCHOR TABLE
Macro ID: IHASQAT
DSECT Name: SQAT
Owning Component: VIRTUAL STORAGE MANAGER (SC1CH)
Eye-Catcher ID: NONE
Storage Attributes: Virtual Storage: YES
 Subpool: NUCLEUS FOR SQA, 255 FOR LSQA
 Key: 0
Size: VARIABLE
Created by: IEAIPL04, IGVGCAS
Pointed to by: LDASQAT, LDAESQAT, GDASQAT6, GDASQAT9
 GDAESQT9, GDASQAT5, GDAESQT5
Serialization: VSMFIX LOCK (GLOBAL)
 LOCAL LOCK (ADDRESS SPACE)
Function: ARRAY OF QUEUE HEADERS INTO THE SQA AND
 LSQA SIZE QUEUES FOR ALLOCATION OF VIRTUAL
 STORAGE. 3 PER SYSTEM PLUS 1 PER ADDRESS SPACE

SQAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SQAT	SIZE QUEUE ANCHOR TABLE
0	(0)	CHARACTER	12	SQATBASE	BASE PORTION OF SQAT
0	(0)	CHARACTER	4	SQATID	CONTROL BLOCK IDENTIFIER
4	(4)	SIGNED	4	SQATCNT	NUMBER OF ENTRIES IN THE TABLE
8	(8)	SIGNED	4	SQATMAXS	MAXIMUM SIZE IN THE TABLE
12	(C)	CHARACTER	8	SQATNTRY (*)	BEGINNING OF SIZE AND QUEUE HEADER ENTRIES. THERE IS ONE ENTRY (SIZE & QUEUE HEADER) FOR EACH ENTRY INTO THE DFE SIZE QUEUE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	SQATENT	SIZE QUEUE ANCHOR TABLE ENTRY
0	(0)	SIGNED	4	SQATSZ	LOWER BOUND OF FREE SPACE SIZE
4	(4)	ADDRESS	4	SQATDFE	ADDRESS OF THE FIRST DFE ON THE SIZE QUEUE GREATER THAN OR EQUAL TO THE SIZE OF THE LOWER BOUND

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	44	SQATX	SQAT EXTENSION
0	(0)	ADDRESS	4	SQATXLOC	DFE ADDRESS (4294967307:562116608)

SQAT Constants

Len	Type	Value	Name	Description
4	DECIMAL	8	SQATMULT	MULTIPLICATION FACTOR RELATING SQAT INDEX TO REQUEST SIZE
4	DECIMAL	11	SQATXCNT	NUMBER OF ARRAY ENTRIES

SQAT Cross Reference

SQAT Cross Reference

Name	Hex Offset	Hex Value
SQAT	0	
SQATBASE	0	
SQATCNT	4	
SQATDFE	4	
SQATENT	0	
SQATID	0	
SQATMAXS	8	
SQATNTRY	C	
SQATSZ	0	
SQATX	0	
SQATXLOC	0	

SRB Information

SRB Programming Interface information

Programming Interface information

SRB

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

- SRBASCB
- SRBFERRA
- SRBPASID
- SRBPTCB
- SRBCPAFF
- SRBID
- SRBPKF
- SRBRMTR
- SRBEP
- SRBPARM

End of Programming Interface information

SRB Heading Information • SRB Map

SRB Heading Information

Common Name: Service Request Block
Macro ID: IHASRB
DSECT Name: SRBSECT
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: SRB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Common, Fixed Storage
 Key: 0
 Residency: ABOVE OR BELOW THE 16M LINE
Size: 44 BYTES
Created by: Control program routines
Pointed to by: Built and initialized in user-allocated storage and passed as a parameter to the SCHEDULE macro. Pointed to by register 0 on entry to the SRB routine whose address is in SRBEP.
 ASCBXMPQ FIELD OF THE ASCB DATA AREA
 ASXBFSRB FIELD OF THE ASXB DATA AREA
 ASXBLSRB FIELD OF THE ASXB DATA AREA
 IOSSRB FIELD OF THE IOSB DATA AREA
 PCBSRB FIELD OF THE PCB DATA AREA
 SRBFLNK FIELD OF THE SRB DATA AREA
 SVTGSQM FIELD OF THE SVT DATA AREA
 SVTLMSQ FIELD OF THE SVT DATA AREA
 SVTSRBA FIELD OF THE SVT DATA AREA
 TQESRB FIELD OF THE TQE DATA AREA
 TVCSSRBA FIELD OF THE TVCS DATA AREA
 WEBUPTR field of the WEB data area
Serialization: Owner-serialized.
Function: Used as input to the SCHEDULE macro when scheduling a routine for asynchronous execution.

SRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SRBSECT	
0	(0)	ADDRESS	4	SRB (0)	
0	(0)	CHARACTER	4	SRBID	EBCDIC ACRONYM FOR SRB OR SSRB.
4	(4)	ADDRESS	4	SRBFLNK	FORWARD CHAIN FIELD
8	(8)	ADDRESS	4	SRBASC (0)	PTR TO ASCB OF ADDRESS SPACE SRB IS TO BE DISPATCHED TO
8	(8)	BITSTRING	1		RESERVED. DO NOT USE.
9	(9)	ADDRESS	3	SRBASC24	24-bit ASCB address
12	(C)	CHARACTER	8	SRBFLC (0)	SRB AREA MOVED TO LOW CORE
12	(C)	BITSTRING	2	SRBCPAFF	CPU AFFINITY MASK
14	(E)	SIGNED	2	SRBPASID	PURGEDQ ASID IDENTIFIER
16	(10)	ADDRESS	4	SRBPCTCB	PURGEDQ TCB IDENTIFIER
20	(14)	ADDRESS	4	SRBEP (0)	ENTRY POINT OF ROUTINE
20	(14)	ADDRESS	4	SRBEPA	ADDRESS OF ENTRY POINT (31-BIT USERS)
		1...		SRBMODE	"X'80" ADDRESSING MODE INDICATOR
24	(18)	ADDRESS	4	SRBRMTR (0)	ADDRESS OF RESOURCE MANAGER ROUTINE
24	(18)	ADDRESS	4	SRBRMTRA (0)	ADDRESS OF RESOURCE MANAGER ROUTINE (31-BIT USERS)
24	(18)	BITSTRING	1	SRBRMTR0	Byte 0 of SRBRMTR
		1...		SRBRMODE	"X'80" ADDRESSING MODE INDICATOR
25	(19)	BITSTRING	1	(2)	
27	(1B)	BITSTRING	1	SRBRMTR3	Byte 3 of SRBRMTR
		.... ...1		SRBRMTLL	"X'01" When on, the local lock will be held when control is given to the RMTR. The RMTR is allowed to release the local lock before returning, but is not required to do so.
28	(1C)	ADDRESS	4	SRBPARM	USER PARAMETER
32	(20)	ADDRESS	4	SRBWEB (0)	Address of this SRB's WEB. SERIALIZATION: None OWNERSHIP: Supervisor Control
32	(20)	ADDRESS	4	SRBSAVE	Reserved. Must be Zero. SERIALIZATION: None OWNERSHIP: Supervisor Control
36	(24)	BITSTRING	1	SRBPKF	PROTECT KEY INDICATION
37	(25)	BITSTRING	1	SRBPRIOR (0)	PRIORITY LEVEL INDIC
37	(25)	BITSTRING	1	SRBFLGS	SRB OPTION FLAGS
		1...		SRBLLREQ	"X'80" LOCAL LOCK REQUIRED
		.1.		SRBLLHLD	"X'40" LOCAL LOCK HELD
		..1.		SRBFRREQ	"X'20" FRR REQUESTED
		...1		SRBFRRCL	"X'10" THIS BIT IS OBSOLETE SINCE FRR PARM AREA ALWAYS CLEARED BY DISPATCHER. RETAINED FOR COMPATIBILITY.
		.... 1...		SRBSUSP	"X'08" SUSPENDED SRB ONLY ON FOR SSRB

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		SRBPNONQ	"X'04" NON QUIESCABLE SRB
		.... ....		SRBPSYS	"X'00" SYSTEM PRIORITY LEVEL
38	(26)	BITSTRING	1	SRBHLHI	INDICATION OF SUSPEND LOCKS HELD AT SRB SUSPENSION
39	(27)	BITSTRING	1	SRBFLGS1	SRB TYPE FLAGS.
		1...		SRBMAIN	"X'80" SRB/SSRB MUST BE FREEMAINED.
		.1..		SRBSP245	"X'40" SRB/SSRB FROM SUBPOOL 245.
		..1.		SRBBLK24	"X'20" SRB BELOW THE LINE
		...1		SRBXESF	"X'10" Mode=primary FRR - only meaningful if SRBFRREQ is set.
		.... 1..		SRB1STS	"X'08" This SSRB represents the initial schedule of a workunit and has never been dispatched.
		.... .1..		SRBPMCS	"X'04" This SRB is in process-must complete mode
		.... ..1.		SRBMSCHD	"X'02" This SRB was scheduled via the IEAMSCHD macro
		.... ...1		SRBTOKNP	"X'01" This SSRB belongs to the pool created for SUSPEND with SPTOKEN.
40	(28)	ADDRESS	4	SRBFRR4 (0)	FRR ROUTINE ADDRESS
40	(28)	CHARACTER	3		High three bytes of addr
43	(2B)	CHARACTER	1	SRBFRR3	Low order byte of address
		.... ...1		SRBSD31	"X'01" Set this flag to indicate that the FRR can tolerate an SDWA in 31-bit storage. This is equivalent to the SETFRR SDWALOC31=YES parameter
44	(2C)	SIGNED	4	SRBEND (0)	END OF SRB
44	(2C)	X'2C'	0	SRBSIZE	"SRBEND-SRBSECT" SIZE OF SRB

SRB Cross Reference

Name	Hex Offset	Hex Value
SRB	0	
SRBASCBC	8	
SRBASC24	9	
SRBBLK24	27	20
SRBCPAFF	C	
SRBEND	2C	
SRBEP	14	
SRBEPA	14	
SRBFLC	C	
SRBFLGS	25	
SRBFLGS1	27	
SRBFLNK	4	
SRBFRR4	28	
SRBFRR3	2B	
SRBFRRCL	25	10
SRBFRREQ	25	20
SRBHLHI	26	
SRBID	0	
SRBLLHLD	25	40
SRBLLREQ	25	80
SRBMAIN	27	80
SRBMODE	14	80
SRBMSCHD	27	2
SRBPARM	1C	
SRBPASID	E	
SRBPKF	24	
SRBPMCS	27	4
SRBPNONQ	25	4
SRBPRIOR	25	
SRBPSYS	25	0
SRBPTCB	10	
SRBRMODE	18	80
SRBRMTLL	1B	1
SRBRMTR	18	
SRBRMTRA	18	
SRBRMTR0	18	
SRBRMTR3	1B	
SRBSAVE	20	
SRBSD31	2B	1
SRBSECT	0	
SRBSIZE	2C	2C
SRBSP245	27	40
SRBSUSP	25	8
SRBTOKNP	27	1
SRBWEB	20	
SRBXESF	27	10
SRB1STS	27	8

SRCD Information

SRCD Programming Interface information

Programming Interface information

SRCD

End of Programming Interface information

SRCD Heading Information • SRCD Map

SRCD Heading Information

Common Name: DAE data set record format
Macro ID: ADYSRCD
DSECT Name: SRCD
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: SRC
 Offset: 0
 Length: 3
Storage Attributes: Subpool: User Supplied
 Key: User Supplied
 Residency: User Supplied ALLOCATION METHOD: User Supplied FREQUENCY: User Supplied
Size: LENGTH(SRCD)
Created by: N/A
Pointed to by: N/A
Serialization: NONE
Function: Maps one DAE data set record.

SRCD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SRCD	
0	(0)	CHARACTER	4	SRCDID (0)	ACRONYM AND VERSION NUMBER
0	(0)	CHARACTER	3	SRCSRC	ACRONYM 'SRC'
3	(3)	CHARACTER	1	SRCVSN	VERSION NUMBER
4	(4)	CHARACTER	6	SRCUSERA	EYE-CATCHER="USER"
10	(A)	CHARACTER	20	SRCUSER	RESERVED FOR USER
30	(1E)	CHARACTER	1	SRCTEST	VALIDITY CHECKING DATA
31	(1F)	CHARACTER	21	SRCORIG (0)	ORIGINAL DUMP DATA
31	(1F)	CHARACTER	10	SRCERRID (0)	ORIGINAL ERRORID
31	(1F)	SIGNED	2	SRCERSEQ	ERROR ID SEQUENCE NUMBER
33	(21)	SIGNED	2	SRCERCPU	ERROR ID CPU ID
35	(23)	SIGNED	2	SRCERAS	ERROR ID ADDRESS SPACE ID
37	(25)	SIGNED	4	SRCTIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
41	(29)	CHARACTER	4	SRCDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
45	(2D)	CHARACTER	6	SRCCPU	ORIGINAL CPUID-FROM STIDP INSTRUCTION
51	(33)	BITSTRING	1	SRCFLG	FLAGS
		1...		SRCVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		SRCYSMD	"BIT1" A SYSDUMP DUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		SRCTRUM	"BIT2" ORIGINAL SYMPTOM STRING WAS TRUNCATED
52	(34)	CHARACTER	10	SRCCURR (0)	LAST OCCURRENCE DATA
52	(34)	SIGNED	4	SRCDTIME	TIME-LAST OCCURRENCE (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
56	(38)	CHARACTER	4	SRCDDATE	DATE LAST OCCURRENCE (PACKED DECIMAL JULIAN-00YYDDDF)
60	(3C)	SIGNED	2	SRCDCNT	COUNT OF OCCURRENCES
62	(3E)	CHARACTER	6	SRCSYMPA	EYE-CATCHER="SYM"
68	(44)	CHARACTER	150	SRCSYMP	SYMPTOM STRING
218	(DA)	CHARACTER	8	SRCSNAMO	SYSTEM NAME - ORIGINAL OCCURRENCE
226	(E2)	CHARACTER	8	SRCSNAML	SYSTEM NAME - LAST OCCURRENCE
234	(EA)	CHARACTER	1	SCRDFLAG	Flags
		1...		SRCDTKDP	"BIT0" Take the next dump for this incident regardless of any other DAE indications.
		.1..		SRCDRDA	"BIT1" This entry is here only because RECORDALL was specified.
		..1.		SRCSDUP	"BIT2" This entry represents a dump that was suppressed because a match was found on the captured dump queue - the dump for the original occurrence has not been written yet
235	(EB)	CHARACTER	20	SRCIBM	RESERVED FOR IBM USE
255	(FF)	CHARACTER	1	SRCDEND (0)	End of SRCD Mapping
		1111 1111		SRCTESTC	"X'FF" VALUE FOR FIELD SRCTEST

SRCD Cross Reference

Name	Hex Offset	Hex Value
SCRDFLAG	EA	
SRCCPU	2D	
SRCCURR	34	
SRCD	0	
SRCDATE	29	
SRCDCNT	3C	
SRCDDATE	38	
SRCDEND	FF	
SRCDID	0	
SRCDRCDA	EA	40
SRCDTIME	34	
SRCDTKDP	EA	80
SRCERAS	23	
SRCERCPU	21	
SRCERRID	1F	
SRCERSEQ	1F	
SRCFLG	33	
SRCIBM	EB	
SRCORIG	1F	
SRCSCDUP	EA	20
SRCSNAML	E2	
SRCSNAMO	DA	
SRCSRC	0	
SRCVCD	33	80
SRCYMP	44	
SRCYMPA	3E	
SRCYSMD	33	40
SRCTEST	1E	
SRCTESTC	FF	FF
SRCTIME	25	
SRCTRUM	33	20
SRCUSER	A	
SRCUSERA	4	
SRCVSN	3	

SRPL Information

SRPL Heading Information

Common Name: ENF SIGNAL ROUTINE PARAMETER LIST (SRPL)
Macro ID: IEEZB814
DSECT Name: SRPL
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: SRPL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
Size: 256 BYTES
Created by: CALLER OF IEEMB885
Pointed to by: N/A
Serialization: NONE
Function: THE SIGNAL ROUTINE PARAMETER LIST (SRPL)
 MAPS THE PARAMETER LIST USED BY MODULE
 IEEMB885, TO ISSUE AN ENF SIGNAL
 INDICATING ONE OR MORE DEVICES HAVE
 GONE ONLINE OR OFFLINE.

SRPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	SRPL	SIGNAL ROUTINE PARAMETER LIST MAPPING
0	(0)	CHARACTER	4	SRPLACRN	ACRONYM - SRPL
4	(4)	UNSIGNED	1	SRPLVERS	VERSION LEVEL
5	(5)	UNSIGNED	1	SRPLFUNC	FUNCTION CODE
6	(6)	CHARACTER	2	SRPLRSV1	RESERVED
8	(8)	CHARACTER	8	SRPLMOD	MODULE THAT INVOKED IEEMB885
16	(10)	ADDRESS	4	SRPLPRMP	POINTER TO FUNCTION RELATED PARAMETER LIST

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	236	SRPLSIGD	SIGNAL ROUTINE PARAMETER LIST MAPPING
0	(0)	BITSTRING	1	SRPLFLGS	INPUT FLAGS BYTE
		1...		SRPLONLN	SIGNAL DEVICE ONLINE
		.1...		SRPLOFLN	SIGNAL DEVICE OFFLINE
		..11 1111		*	RESERVED
1	(1)	CHARACTER	3	SRPLRSV2	RESERVED
4	(4)	ADDRESS	4	SRPLNXTU	POINTER TO NEXT UCB ADDRESS IN LIST
8	(8)	CHARACTER	4	SRPLRSV3	RESERVED
12	(C)	ADDRESS	4	SRPLUCBP	LIST OF UCB ADDRESSES FOR WHICH IEEMB885 MUST ISSUE AN ENF
				(4294967352:562119016)	SIGNAL

SRPL Constants

Len	Type	Value	Name	Description
Comment				
VALUES FOR FUNCTION FUNCTION CODE (FIELD SRPLFUNC)				
End of Comment				
1	DECIMAL		SRPLFNC1	SIGNAL ONLINE AND OFFLINE
Comment				
VALUES FOR VERSION LEVEL - PUT IN FIELD SRPLVERS				
End of Comment				
1	DECIMAL		SRPLVID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
1	DECIMAL		SRPLSP21	VERSION LEVEL IS OS/VS2 HBB2102

SRPL Cross Reference

Len	Type	Value	Name	Description
Comment				
OTHER DECLARES USED WITH THE SRPL				
End of Comment				
1	DECIMAL	56	SRPLMAX	MAX NUMBER OF UCB ADDRESSES
4	CHARACTER	SRPL	SRPLNAME	SRPL ACRONYM

SRPL Cross Reference

Name	Hex Offset	Hex Value
SRPL	0	
SRPLACRN	0	
SRPLFLGS	0	
SRPLFUNC	5	
SRPLMOD	8	
SRPLNXTU	4	
SRPLOFLN	0	40
SRPLONLN	0	80
SRPLPRMP	10	
SRPLRSV1	6	
SRPLRSV2	1	
SRPLRSV3	8	
SRPLSIGD	0	
SRPLUCBP	C	
SRPLVERS	4	

SRRA Information

SRRA Heading Information

Common Name: Service Routine Recovery Area
Macro ID: IHASRRA
DSECT Name: SRRA
Owning Component: PC/AUTH (SCXMS)
Storage Attributes: Subpool: 229 (in PC/Auth private)
 Key: 0 (in PC/Auth private)
Size: Fixed portion of 44 bytes and a service-unique portion of variable length.
Created by: PC/Auth Service Routine
Pointed to by: PCRASRRA.
Serialization: SERIALIZED BY THE PC/AUTH LOCAL LOCK.
Function: Describes the PC/Auth service routine recovery area, a portion of which is in a fixed format. It is used to maintain data necessary for retrying a failing PC/Auth service.

SRRA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SRRA	
0	(0)	CHARACTER	4	SRRANAME	SRRA ACRONYM FIELD
4	(4)	ADDRESS	4	SRRADATA	PTR TO DYNAMIC DATA AREA
8	(8)	SIGNED	2	SRRADLEN	DYNAMIC DATA AREA LENGTH
10	(A)	SIGNED	2	SRRASLEN	SRRA LENGTH
12	(C)	ADDRESS	4	SRRABASE	PC/AUTH SERVICE BASE REGISTER
16	(10)	ADDRESS	4	SRRABAS2	PC/AUTH SERVICE 2ND BASE REG
20	(14)	ADDRESS	4	SRRARTY@	FRR RETRY ROUTINE ADDRESS
24	(18)	ADDRESS	4	SRRARREG	PTR TO FRR RETRY REGS 0-15
28	(1C)	ADDRESS	4	SRRASUML	SDUMP SUMLSTA LIST PTR (OPT.)
32	(20)	UNSIGNED	4	SRRAESAR	SECONDARY ASID FOR PC
32	(20)	BITSTRING	2	*	
34	(22)	BITSTRING	2	SRRASASD	HALFWORD SECONDARY ASID
36	(24)	ADDRESS	4	SRRAHOME	HOME ASCB ADDRESS AT ENTRY
40	(28)	ADDRESS	4	SRRAMLIA	MODULE LEVEL INFO ADDRESS
44	(2C)	CHARACTER	*	*	SERVICE-UNIQUE PORTION

SRRA Cross Reference

Name	Hex Offset	Hex Value
SRRA	0	
SRRABASE	C	
SRRABAS2	10	
SRRADATA	4	
SRRADLEN	8	
SRRAESAR	20	
SRRAHOME	24	
SRRAMLIA	28	
SRRANAME	0	
SRRARREG	18	
SRRARTY@	14	
SRRASASD	22	
SRRASLEN	A	
SRRASUML	1C	

SSAG Information

SSAG Heading Information

Common Name: Allocation grouping of SUBSYS DDs function
Macro ID: IEFSSAG
DSECT Name: SSAG (OPTIONAL)
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Subpool 230
 Key: Scheduler key
 Residency: Any
Size: LENGTH(SSAG)
Created by: IEFAB427
Pointed to by: SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization: None
Function: Used by allocation modules to interface with subsystems to allocate/unallocate subsys data sets or functions.

SSAG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	SSAG	BEGINNING OF EXTENSION
0	(0)	CHARACTER	28	SSAGEHDR	EXTENSION HEADER
0	(0)	SIGNED	2	SSAGLEN	LENGTH OF EXTENSION
2	(2)	BITSTRING	2	SSAGFLGS	GROUP LEVEL FLAGS
		1...		SSAGWAIT	OK TO WAIT FLAG
		.1..		SSAGSMMSG	SUBSYSTEM TO RETURN ERROR MESSAGES FLAG
2	(2)	BITSTRING	1	*	RESERVED FLAGS
4	(4)	SIGNED	2	SSAGGPEC	GROUP LEVEL ERROR CODE
6	(6)	SIGNED	2	SSAGGPIC	GROUP LEVEL INFO CODE - DEFINED BY THE SUBSYSTEM
8	(8)	ADDRESS	4	SSAGARBP	PTR TO FIRST RB
12	(C)	ADDRESS	4	SSAGCNCL	POINTER TO CANCEL ECB
16	(10)	ADDRESS	4	SSAGJBNM	POINTER TO JOB NAME
20	(14)	SIGNED	4	SSAGGMLN	MAXIMUM LENGTH OF SUBSYSTEM GROUP LEVEL MESSAGE
24	(18)	ADDRESS	4	SSAGGMGP	POINTER TO GROUP LEVEL MESSAGE BLOCK

SSAG Constants

Len	Type	Value	Name	Description
2	DECIMAL	39	SSOBAGRP	GROUP SUBSYS REQUESTS
Comment				
ALLOCATION GROUP REQUEST RETURN CODES (SSOBRETN)				
End of Comment				
2	DECIMAL	0	SSAGRTOK	SUCCESSFUL - ALL REQUESTS WERE ALLOCATED
2	DECIMAL	4	SSAGDDER	NO ALLOCATION- ONE OR MORE REQUEST IN ERROR
2	DECIMAL	8	SSAGGPER	NO ALLOCATION - GROUP LEVEL ERROR
Comment				

THE FOLLOWING RETURN CODES WILL BE RETURNED BY THE SUBSYSTEM IN FIELDS SSAGGPEC AND SSAGRBEC.
 - FIELD SSAGGPEC (AND OPTIONALLY SSAGRBEC) IS TO BE SET WHEN SSAGGPER IS RETURNED IN SSOBRETN.
 - FIELD SSAGRBEC CORRESPONDING TO THE REQUEST(S) IN ERROR IS TO BE SET WHEN SSAGDDER IS RETURNED IN SSOBRETN.
 THE ASSOCIATED FIELDS SSAGGPIC AND SSAGRBIC ARE TO BE SET TO SUBSYSTEM DEFINED VALUES THAT WILL BE RETURNED AS DYNAMIC ALLOCATION INFORMATIONAL REASON CODES.
 ERROR MESSAGE PROCESSING
 -WHEN SSAGSMMSG IS SET BY THE CALLER, FIELDS SSAGGMGP AND SSAGDMGP WILL EACH CONTAIN A POINTER TO AN AREA IN WHICH THE SUBSYSTEM IS TO RETURN SUBSYSTEM DEFINED ERROR MESSAGES CORRESPONDING TO THE VALUES SET IN FIELDS SSAGGPIC AND SSAGRBIC.
 -EACH MESSAGE AREA CONSISTS OF A 2 BYTE LENGTH FOLLOWED BY A MESSAGE TEXT AREA OF LENGTH DEFINED IN SSAGGMLN

SSAG Cross Reference

Len	Type	Value	Name	Description
AND SSAGDMLN. THE MESSAGE AREA IS NOT INITIALIZED BY THE CALLER AND THE SUBSYSTEM MUST SET THE LENGTH OF THE MESSAGE TEXT RETURNED. BLANKS WILL BE COMPRESSED BY THE CALLER. -MESSAGES ARE TO BE RETURNED ONLY FOR REQUESTS THAT ARE IN ERROR. NOTE: FIELDS SSAGRBECE, SSAGRBIC, SSAGDMGP, AND SSAGDMLN ARE DEFINED IN THE GROUP ALLOCATION REQUEST BLOCK, 'SSAGARBK' - MAPPED BY MACRO IEFSSARB.				
End of Comment				
2	DECIMAL	0	SSAGRQOK	REQUEST ALLOCATED
2	DECIMAL	4	SSAGORUN	OPERATING SYSTEM RESOURCE NOT AVAILABLE
2	DECIMAL	8	SSAGSRUN	SUBSYSTEM RESOURCE NOT AVAILABLE
2	DECIMAL	12	SSAGIPRM	INVALID PARAMETER
2	DECIMAL	16	SSAGIREQ	INVALID REQUEST
2	DECIMAL	20	SSAGCREQ	CANCEL REQUESTED
2	DECIMAL	24	SSAGSSER	SUBSYSTEM LOGIC ERR

SSAG Cross Reference

Name	Hex Offset	Hex Value
SSAG	0	
SSAGARBP	8	
SSAGCNCL	C	
SSAGEHDR	0	
SSAGFLGS	2	
SSAGGMGP	18	
SSAGGMLN	14	
SSAGGPEC	4	
SSAGGPIC	6	
SSAGJBNM	10	
SSAGLEN	0	
SSAGSMMSG	2	40
SSAGWAIT	2	80

SSAL Information

SSAL Programming Interface information

Programming Interface information

SSAL

End of Programming Interface information

SSAL Heading Information • SSAL Map

SSAL Heading Information

Common Name: Allocation/Unallocation of SYSOUT function
Macro ID: IEFSSAL
DSECT Name: SSAL (OPTIONAL)
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Subpool 230
 Key: Scheduler key
 Residency: Any
Size: LENGTH(SSAL)
Created by: IEFAB4SF
Pointed to by: SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization: None
Function: Used by allocation modules to interface with subsystems to allocate/unallocate SYSOUT data sets or functions.

SSAL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'6'	0	SSOBALOC	"6" ALLOCATION FUNCTION ID (SSOBFUNC)
0	(0)	X'7'	0	SSOBUNAL	"7" UNALLOCATION FUNCTION ID (SSOBFUNC)
0	(0)	X'51'	0	SSOBALCU	"81" ALLOCATION FUNCTION ID (SSOBFUNC) BY UNAUTHORIZED PROGRAM

Comment

ALLOCATION/UNALLOCATION RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSALRTOK	"0" ALLOCATION/UNALLOCATION SUCCESSFUL
0	(0)	X'4'	0	SSALWTFM	"4" ALLOCATION WAIT FAILED YM04976
0	(0)	X'8'	0	SSALCREQ	"8" CANCEL REQUESTED
0	(0)	X'C'	0	SSALIDST	"12" INVALID DESTINATION
0	(0)	X'10'	0	SSALNAUT	"16" USER UNAUTHORIZED TO ALLOCATE THIS DATA SET
0	(0)	X'14'	0	SSALUNAL	"20" UNABLE TO ALLOCATE YM04976
0	(0)	X'18'	0	SSALRESV	"24" SYSIN/SYSOUT TEMPORARY DATA SET NAME IS A RESERVED NAME
0	(0)	X'1C'	0	SSALNCTK	"28" Requested Allocation Sysout Client Token (CTOKEN) not returned by JES
0	(0)	X'20'	0	SSALUNSP	"32" Unable to allocate uninitialized spool dataset (JES2)
0	(0)	X'0'	0	SSALBGN	***
0	(0)	ADDRESS	2	SSALLEN	ALLOC/UNALLOC EXTENSION LENGTH
2	(2)	BITSTRING	1	SSALFLG1	ALLOCATION/UNALLOCATION FLAGS
		1...		SSALDELT	"X'80" DELETE AT UNALLOCATION
		..1.		SSALHOLD	"X'40" HOLD AT UNALLOCATION
		...1.		SSALNHLD	"X'20" NOHOLD OPTION SPECIFIED
		.... 1...		SSALWAIT	"X'10" WAIT FOR ALLOCATION
		.... .1..		SSALTRKM	"X'08" ASSIGN A SEPARATE TRACK GROUP MAP
		.... ..1.		SSALSPIN	"X'04" SPIN OFF DATA SET
		.... ..1.		SSALASNM	"X'02" DATA SET REQUIRES A DATA SET NAME
		.... ..1.		SSALKEEP	"X'01" SUBSYSTEM SHOULD KEEP THE DS
3	(3)	BITSTRING	1	SSALFLG2	FLAG BYTE
		1...		SSALWTRN	"X'80" PASSED PGM NAME IS A WRITER NAME
		..1.		SSALJBAB	"X'40" JOB ABENDED
		...1.		SSALJFAL	"X'20" JOB ENDED DUE TO ALLOCATION ERR
		.... 1...		SSALJECC	"X'10" JOB ENDED DUE TO JOB COND CODES
		.... ..1.		SSALBROW	"X'08" Browse token supplied
		.... ..1.		SSALAUTH	"X'04" Caller is authorized
		.... ..1.		SSALOVAF	"X'02" Override system affinity for job submitted via dynamically-allocated internal reader

Comment

-rsvd- EQU X'01' Reserved - available
 FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA -
 (NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO)
 OR ELSE THE ACTUAL DATA ITSELF.

End of Comment

4	(4)	ADDRESS	4	SSALDDNM	DDNAME (8)
8	(8)	ADDRESS	4	SSALDEST	REMOTE DESTINATION ID OR BLANK (8)
12	(C)	ADDRESS	4	SSALDISP	DATA SET DISPOSITION (1)
16	(10)	ADDRESS	4	SSALDUMY	DUMMY/SYSIN FLAGS (1)
20	(14)	ADDRESS	4	SSALSOUT	SYSOUT FLAGS (1)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
24	(18)	ADDRESS	4	SSALUNIT	UNIT TYPE (8)
28	(1C)	ADDRESS	4	SSALPGMN	USER WRITER PROGRAM NAME (8)
32	(20)	ADDRESS	4	SSALFORM	FORMS NUMBER (4)
36	(24)	ADDRESS	4	SSALCLAS	CLASS (1)
40	(28)	ADDRESS	4	SSALADSP	ALTERNATE DISPOSITION FLAGS (1)
44	(2C)	ADDRESS	4	SSALCOPY	NUMBER OF COPIES TO BE PRINTED (1)
48	(30)	ADDRESS	4	SSALSSNM	SUBSYSTEM NAME (4)
52	(34)	ADDRESS	4	SSALJFCB	JFCB (176)
56	(38)	ADDRESS	4	SSALSSCM	SUBSYSTEM INFORMATION (LENGTH IS DEPENDENT ON SUBSYSTEM)
60	(3C)	ADDRESS	4	SSALCNCL	CANCEL ECB (ALLOCATION) (4)
64	(40)	ADDRESS	4	SSALSDEF	COPIES/SYSOUT DEFAULT FLAGS (1)
68	(44)	ADDRESS	4	SSALTKNP	SJF TOKEN (8)
72	(48)	ADDRESS	4	SSALJFCE	VIRTUAL ADDRESS OF JFCBE (176)
76	(4C)	ADDRESS	4	SSALTDSN	SYSIN/SYSOUT TEMPORARY DATA SET NAME (8)
80	(50)	ADDRESS	4	SSALBTKN	Pointer to the first length field of a browse token
84	(54)	ADDRESS	4	SSALRDRN	Pointer to the program name
88	(58)	SIGNED	4	SSALCCNO	Data set concatenation number

Comment

Additional FLAG fields

End of Comment

92	(5C)	BITSTRING	1	SSALFLG3	FLAG BYTE #3
		1...		SSALRCTK	"X'80" Ask JES to return the Allocation Sysout Client Token associated with a SYSOUT allocation request
		.1..		SSALXTIO	"X'40" Subsystem supports XTIO, uncaptured UCBs, and DSABs above above the line. (Set by subsystem, used during OPEN.)

Comment

- rsvd- EQU X'20' Reserved - available
- rsvd- EQU X'10' Reserved - available
- rsvd- EQU X'08' Reserved - available
- rsvd- EQU X'04' Reserved - available
- rsvd- EQU X'02' Reserved - available
- rsvd- EQU X'01' Reserved - available

End of Comment

93	(5D)	BITSTRING	1	SSALEXKY	Execution key of Dynamic Allocation user, set only for JES unauthorized SUB= requests (SSOBALCU). The key is in the high order nibble.
94	(5E)	BITSTRING	1	SSALJSFR (2)	JES Spool Allocate failure reason NOTE: This field is only supported for Allocation requests.

Comment

Following fields contain additional pointers to the indicated area -
 (Numbers in parentheses indicate length of area pointed to)
 or else the actual data itself.

End of Comment

96	(60)	ADDRESS	4	SSALCTOK	Ptr to CTOKEN area (80)
100	(64)	SIGNED	4	(4)	Reserved 4 words - available
100	(64)	X'74'	0	SSALSIZ	"*-SSALBGN" ALLOC/UNALLOC EXTENSION LENGTH
100	(64)	X'90'	0	SSOBLN4	"SSOBHSIZ+SSALSIZ" TOTAL SSOB LENGTH

SSAL Cross Reference

SSAL Cross Reference

Name	Hex Offset	Hex Value
SSALADSP	28	
SSALASNM	2	2
SSALAUTH	3	4
SSALBGN	0	0
SSALBROW	3	8
SSALBTKN	50	
SSALCCNO	58	
SSALCLAS	24	
SSALCNCL	3C	
SSALCOPY	2C	
SSALCREQ	0	8
SSALCTOK	60	
SSALDDNM	4	
SSALDELTA	2	80
SSALDEST	8	
SSALDISP	C	
SSALDUMY	10	
SSALEXKY	5D	
SSALFLG1	2	
SSALFLG2	3	
SSALFLG3	5C	
SSALFORM	20	
SSALHOLD	2	40
SSALIDST	0	C
SSALJBAB	3	40
SSALJECC	3	10
SSALJFAL	3	20
SSALJFCB	34	
SSALJFCE	48	
SSALJSFR	5E	
SSALKEEP	2	1
SSALLEN	0	
SSALNAUT	0	10
SSALNCTK	0	1C
SSALNHLD	2	20
SSALOVAF	3	2
SSALPGMN	1C	
SSALRCTK	5C	80
SSALRDRN	54	
SSALRESV	0	18
SSALRTOK	0	0
SSALSDEF	40	
SSALSIZ	64	74
SSALSOUT	14	
SSALSPIN	2	4
SSALSSCM	38	
SSALSSNM	30	
SSALTDSN	4C	
SSALTKNP	44	
SSALTRKM	2	8
SSALUNAL	0	14
SSALUNIT	18	
SSALUNSP	0	20
SSALWAIT	2	10
SSALWTF	0	4
SSALWTRN	3	80
SSALXTIO	5C	40
SSOBALCU	0	51
SSOBALOC	0	6
SSOBLEN4	64	90
SSOBUNAL	0	7

SSARB Information

SSARB Heading Information

Common Name: SUBSYSTEM ALLOCATION REQUEST BLOCK
Macro ID: IEFSSARB
DSECT Name: SSARB (OPTIONAL)
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Subpool 230
 Key: Scheduler key
 Residency: Any
Size: LENGTH(SSARB)
Created by: IEFAB427
Pointed to by: SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization: None
Function: The SubSystem Allocation Request Block(SSARB) is a block representing an allocation request to a designated subsystem. An SSARB may be chained to other SSARB's. The first SSARB must be pointed to by the SSAG extension of the SSOB. The SSOB is mapped by macro IEFJSSOB.

SSARB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	60	SSAGARBK	SSAG REQUEST BLOCK MAPPING
0	(0)	SIGNED	2	SSAGRBLN	REQUEST BLOCK LENGTH
2	(2)	BITSTRING	2	SSAGRBFLL	RESERVED FLAGS
4	(4)	SIGNED	2	SSAGRBECC	DD RELATED ERROR CODE
6	(6)	SIGNED	2	SSAGRBIIC	DD RELATED INFO CODE-DEFINED BY SUBSYSTEM
8	(8)	SIGNED	2	SSAGDMLLN	MAX LENGTH OF DD LEVEL MSG
10	(A)	BITSTRING	1	SSAGFLG1	Flag byte 1, set by subsystem
		1...		SSAGXTIO	Subsystem supports XTIO, uncaptured UCBS, and DSABs above the line. (Set by subsystem, used by OPEN.)
		.111 1111		*	Reserved for IBM
11	(B)	UNSIGNED	1	*	Reserved for IBM
12	(C)	ADDRESS	4	SSAGNRBP	POINTER TO NEXT RB OR 0
16	(10)	ADDRESS	4	SSAGDDNM	POINTER TO DDNAME
20	(14)	ADDRESS	4	SSAGDISP	POINTER TO DATA SET DISP
24	(18)	ADDRESS	4	SSAGDUMY	POINTER TO DUMMY/SYSIN FLAGS
28	(1C)	ADDRESS	4	SSAGSOUT	POINTER TO SYSOUT FLAGS
32	(20)	ADDRESS	4	SSAGUNIT	POINTER TO UNIT TYPE
36	(24)	ADDRESS	4	SSAGADSP	POINTER TO ALTERNATE DISP
40	(28)	ADDRESS	4	SSAGSSNM	POINTER TO SUBSYSTEM NAME
44	(2C)	ADDRESS	4	SSAGJFCB	POINTER TO JFCB
48	(30)	ADDRESS	4	SSAGSSWA	POINTER TO SSWA
52	(34)	ADDRESS	4	SSAGSSCM	POINTER TO INFO
56	(38)	ADDRESS	4	SSAGDMGP	POINTER TO DD LEVEL MESSAGE BLOCK

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SSAGDMBK	DD LEVEL MESSAGE BLOCK
0	(0)	SIGNED	2	SSAGDMGL	LENGTH OF MESSAGE RETURNED BY SUBSYSTEM
2	(2)	CHARACTER	*	SSAGDMMSG	DD LEVEL MESSAGE TEXT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SSAGGMBK	GROUP LEVEL MESSAGE BLK
0	(0)	SIGNED	2	SSAGGMGL	LENGTH OF MESSAGE RETURNED BY SUBSYSTEM
2	(2)	CHARACTER	*	SSAGGMMSG	GROUP LEVEL MESSAGE TEXT

SSARB Cross Reference

SSARB Cross Reference

Name	Hex Offset	Hex Value
SSAGADSP	24	
SSAGARBK	0	
SSAGDDNM	10	
SSAGDISP	14	
SSAGDMBK	0	
SSAGDMGL	0	
SSAGDMGP	38	
SSAGDMLN	8	
SSAGDMSG	2	
SSAGDUMY	18	
SSAGFLG1	A	
SSAGGMBK	0	
SSAGGMGL	0	
SSAGGMSG	2	
SSAGJFCB	2C	
SSAGNRBP	C	
SSAGRBEK	4	
SSAGRBFL	2	
SSAGRBIC	6	
SSAGRBLN	0	
SSAGSOUT	1C	
SSAGSSCM	34	
SSAGSSNM	28	
SSAGSSWA	30	
SSAGUNIT	20	
SSAGXTIO	A	80

SSAT Information

SSAT Heading Information

Common Name: Sub System Affinity Table
Macro ID: IHASSAT
DSECT Name: SSAT
Owning Component: Task Manager (SC1CL)
Storage Attributes: Subpool: 253
 Key: 0
Size: 80 bytes
Created by: IEAVBK (system-wide Null SSAT) and IEAVESSI
Pointed to by: TCBSSAT?
Serialization: Local lock
Function: Maps the Sub System Affinity Table for the SSAFF
 SET/OBTAIN service routine IEAVESSI.

SSAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	80	SSAT	
0	(0)	CHARACTER	16	SSATHDR	SSAT HEADER BEGIN
0	(0)	CHARACTER	4	SSATSSAT	SSAT ACRONYM
4	(4)	ADDRESS	4	SSATLNK	PTR TO NEXT SSAT ON CHAIN
8	(8)	SIGNED	4	SSATCT	NUMBER OF VALID SUBSYSTEM INDICES THIS TABLE
12	(C)	SIGNED	4	SSATHIDX	HIGHEST INDEX FOR ALL TABLES
16	(10)	CHARACTER	4	SSATENTS	SUBSYSTEM ENTRY START
				(4294967312:562114560)	
80	(50)	CHARACTER	0	SSATEND	SUBSYSTEM ENTRY

SSCA Information

SSCA Heading Information

Common Name: SSOB Extension for Common Allocation/JES3 Exit
Macro ID: IEFSSCA
DSECT Name: SSCA
Owning Component: Allocation/unallocation (SC1B4)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 32 bytes for SSCA
Created by: IEFAB422, IEFAB490
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	SSCA	BEGINNING COMMON ALLOCATION SSOB EXTENSION
0	(0)	SIGNED	2	SSCALEN	LENGTH OF SSCA
2	(2)	SIGNED	2	SSCARSV0	RESERVED
4	(4)	ADDRESS	4	SSCAPSTN	PTR TO STEP NUMBER
8	(8)	ADDRESS	4	SSCAPDDN	PTR TO DDNAME
12	(C)	ADDRESS	4	SSCAPDSN	PTR TO DSNAME
16	(10)	ADDRESS	4	SSCAPRPN	PTR TO RELATIVE POSITION NUMBER
20	(14)	ADDRESS	4	SSCAPNUN	PTR TO NUMBER OF UNITS REQUIRED
24	(18)	ADDRESS	4	SSCAPUAR	PTR TO UCB ADDRESS RETURN AREA
28	(1C)	ADDRESS	4	SSCAPFLG	PTR TO FLAG FIELD

SSCA Constants

Len	Type	Value	Name	Description
2	DECIMAL	24	SSOBCACD	COMMON ALLOCATION
Comment				
COMMON ALLOCATION RETURN CODES (SSOBRETN) -				
End of Comment				
4	DECIMAL	0	SSCAALCA	ALLOC SELECT RETURN CODE
4	DECIMAL	4	SSCAJESA	JES3 SELECT DEV RETURN CODE

SSCA Cross Reference

Name	Hex Offset	Hex Value
SSCA	0	
SSCALEN	0	
SSCAPDDN	8	
SSCAPDSN	C	
SSCAPFLG	1C	
SSCAPNUN	14	
SSCAPRPN	10	
SSCAPSTN	4	
SSCAPUAR	18	
SSCARSV0	2	

SSCF Information

SSCF Programming Interface information

Programming Interface information

SSCF

End of Programming Interface information

SSCF Heading Information • SSCF Cross Reference

SSCF Heading Information

Common Name: FAILING SVC 34 COMMANDS
Macro ID: IEFSSCF
DSECT Name: SSCF
Owning Component: INITIATOR/TERMINATOR (SC1B6)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER
 Key: USER
Size: 20 BYTES FOR SSOB1 PLUS 16 BYTES FOR SSCF
Created by: SSI CALL USER
Pointed to by: SSOBINDV
Serialization: NONE
Function: COMMAND FAIL FUNCTION

SSCF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'20'	0	SSOBCFCD	"32" COMMAND FAIL FUNCTION (SSOBFUNC)

Comment

COMMAND FAIL RETURN CODES (SSOBRETN)

End of Comment

0	(0)	X'0'	0	SSOBCFOK	"0" ISSUE SVC34 COMMAND ABORTED MESSAGE
0	(0)	X'4'	0	SSOBCFNO	"4" SUPPRESS ISSUING SVC34 COMMAND ABORTED MESSAGE
0	(0)	X'0'	0	SSCFBGN	*** SSFC BEGINNING
0	(0)	ADDRESS	2	SSCFLEN	SSFC EXTENSION LENGTH
2	(2)	SIGNED	2	SSCFRSV0	RESERVED
4	(4)	ADDRESS	4	SSCFBFAD	ADDRESS OF COMMAND BUFFER
8	(8)	SIGNED	4	SSCFMRRC	RETURN CODE FROM MEMORY REQUEST, OR CSCB CREATION FAILURE CODE

Comment

MEMORY REQUEST RETURN CODES AND FAILURE CODES

End of Comment

8	(8)	X'0'	0	SSCFMROK	"0" MEMORY REQUEST SUCCESSFUL
8	(8)	X'4'	0	SSCFSRMN	"4" SRM PROHIBITS ADDRESS SPACE CREATION
8	(8)	X'8'	0	SSCFNORS	"8" RESOURCES NOT AVAILABLE (INSUFFICIENT SQA OR NO ASID AVAILABLE)
8	(8)	X'C'	0	SSCFABND	"12" UNEXPECTED ABEND IN MEMORY REQUEST
8	(8)	X'20'	0	SSCFCSFL	"32" CSCB CREATION FAILURE CODE
8	(8)	X'24'	0	SSCFCXFL	"36" CSXB CREATION FAILURE CODE
8	(8)	X'2C'	0	SSCFSECF	"44" SECURITY ENVIRONMENT COULD NOT BE ESTABLISHED
12	(C)	SIGNED	4	SSCFRSV1	RESERVED
12	(C)	X'10'	0	SSCFSIZE	** -SSCFBGN" EXTENSION LENGTH
12	(C)	X'2C'	0	SSOBLN16	"SSOBHSIZ+SSCFSIZE" TOTAL SSOB LENGTH

SSCF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSCFABND	8	C	SSOBLN16	C	2C
SSCFBFAD	4				
SSCFBGN	0	0			
SSCFCSFL	8	20			
SSCFCXFL	8	24			
SSCFLEN	0				
SSCFMROK	8	0			
SSCFMRRC	8				
SSCFNORS	8	8			
SSCFRSV0	2				
SSCFRSV1	C				
SSCFSECF	8	2C			
SSCFSIZE	C	10			
SSCFSRMN	8	4			
SSOBCFCD	0	20			
SSOBCFNO	0	4			
SSOBCFOK	0	0			

SSCI Information

SSCI Programming Interface Information

Programming Interface Information

SSCI

End of Programming Interface Information

SSCI Heading Information • SSCI Map

SSCI Heading Information

Common Name: SSOB EXTENSION FOR SUBSYS KEYWORD CONVERTER EXIT
Macro ID: IEFSSCI
DSECT Name: SSCI
Owning Component: Converter/interpreter (SC1B9)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 24 bytes for SSCI
Created by: IEFVFA
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'26'	0	SSOBCONV	"38" CONVERTER SUBSYS EXIT (SSOBFUNC)
Comment					
CONVERTER EXIT RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSCIRTOK	"0" SUCCESSFUL SYNTAX CHECK
0	(0)	X'4'	0	SSCICMOD	"4" SUCCESSFUL-INTERNAL TEXT MODIFIED
0	(0)	X'8'	0	SSCISYNC	"8" SYNTATICAL ERROR - CONTINUE JOB
0	(0)	X'C'	0	SSCISYNT	"12" SYNTATICAL ERROR - TERMINATE JOB
0	(0)	X'24'	0	SSCIPERR	"36" PROGRAM ERROR IN ROUTINE
0	(0)	X'0'	0	SSCIBGN	*** CONVERTER EXTENSION BEGINNING
0	(0)	ADDRESS	2	SSCILEN	CONVERTER EXTENSION SIZE
2	(2)	BITSTRING	1	SSCIFLG1	FLAGS RESERVED
3	(3)	BITSTRING	1	SSCIFLG2	FLAGS RESERVED
4	(4)	ADDRESS	4	SSCIINTP	ADDRESS INTERNAL TEXT OF JCL STMT
8	(8)	ADDRESS	4	SSCISUBS	ADDRESS OF FIRST SUBSYS LEN/PARM
12	(C)	SIGNED	2	SSCIMLEN	MAX LENGTH OF MESSAGE
14	(E)	SIGNED	2	SSCINPRM	NUMBER OF LENGTH/PARM PAIRS IN SUBSYSTEM DATA
16	(10)	ADDRESS	4	SSCIMPTR	POINTER TO MESSAGE AREA
20	(14)	CHARACTER	4	SSCISSNM	SUBSYSTEM NAME
20	(14)	X'18'	0	SSCISIZE	**-SSCIBGN" EXTENSION LENGTH
Comment					
ERROR MESSAGE PROCESSING					
- FIELD SSCIMPTR POINTS TO A MESSAGE AREA CREATED BY THE CALLER IN WHICH THE SUBSYSTEM IS TO RETURN ERROR MESSAGES.					
- EACH MESSAGE AREA CONSISTS OF A 2 BYTE LENGTH FOLLOWED BY A MESSAGE TEXT AREA OF LENGTH DEFINED IN SSCIMLEN.					
- A MESSAGE IS TO BE RETURNED WHEN A NON-ZERO SSOBRETN IS RETURNED BY THE SUBSYSTEM.					
End of Comment					
20	(14)	X'34'	0	SSOBLN19	"SSOBHSIZ+SSCISIZE" TOTOAL SSOB LENGTH

SSCI Cross Reference

Name	Hex Offset	Hex Value
SSCIBGN	0	0
SSCICMOD	0	4
SSCIFLG1	2	
SSCIFLG2	3	
SSCIINTP	4	
SSCILEN	0	
SSCIMLEN	C	
SSCIMPTR	10	
SSCINPRM	E	
SSCIPERR	0	24
SSCIRTOK	0	0
SSCISIZE	14	18
SSCISSNM	14	
SSCISUBS	8	
SSCISYNC	0	8
SSCISYNT	0	C
SSOBCONV	0	26
SSOBLN19	14	34

SSCM Information

SSCM Programming Interface information

Programming Interface information

SSCM

End of Programming Interface information

SSCM Heading Information • SSCM Map

SSCM Heading Information

Common Name: SSOB EXTENSION FOR COMMAND PROCESSING EXIT
Macro ID: IEFSSCM
DSECT Name: SSCM
Owning Component: Master Scheduler (SC1B8)
Eye-Catcher ID: SSCM
Offset: 12
Length: 4
Storage Attributes: Subpool: USER SUBPOOL AND KEY
Key: USER SUBPOOL AND KEY
Size: 20 BYTES FOR SSOB PLUS 88 BYTES FOR SSCM
Created by: IEE0403D
Pointed to by: SSOBINDV FIELD OF THE SSOB DATA AREA
Serialization: NONE
Function: PARAMETER LIST FOR THE SUBSYSTEM COMMAND EXIT.

SSCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSCMOLIB	Original command text
0	(0)	SIGNED	2	SSCMOMDL	Length of the command text
2	(2)	CHARACTER	1	SSCMOMDI (0)	Command image text
		1... .1.1		SSCMVRPL	"X'85" VERB CODE FOR REPLY

SSCU Information

SSCU Heading Information

Common Name: SSOB Extension for Common Unallocation/JES3 Exit
Macro ID: IEFSSCU
DSECT Name: SSCU
Owning Component: Allocation/unallocation (SC1B4)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 24 bytes for SSCU
Created by: IEFAB4A0
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSCU Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	24	SSCU	BEGINNING COMMON UNALLOCATION SSOB EXTENSION	
0	(0)	SIGNED	2	SSCULEN	LENGTH OF SSCU	
2	(2)	BITSTRING	1	SSCUFLGS	COMMON UNALLOCATION FLAGS	
		1...		SSCULSCL	THIS IS THE LAST CALL FOR THE STEP, SET ON FOR EACH DD BEING UNALLOCATED AT STEP UNALLOCATION	
		.111 1111		SSCURSVF	RESERVED FLAGS	
3	(3)	BITSTRING	1	SSCURSV0	RESERVED	
4	(4)	ADDRESS	4	SSCUPSTN	PTR TO STEP NUMBER	
8	(8)	ADDRESS	4	SSCUPDDN	PTR TO DDNAME	
12	(C)	ADDRESS	4	SSCUPRPN	PTR TO RELATIVE POSITION NUMBER	
16	(10)	SIGNED	4	SSCURSV2	RESERVED	
20	(14)	SIGNED	4	SSCURSV1	RESERVED	

SSCU Constants

Len	Type	Value	Name	Description
2	DECIMAL	25	SSOBCUCD	COMMON UNALLOCATION

SSCU Cross Reference

Name	Hex Offset	Hex Value
SSCU	0	
SSCUFLGS	2	
SSCULEN	0	
SSCULSCL	2	80
SSCUPDDN	8	
SSCUPRPN	C	
SSCUPSTN	4	
SSCURSVF	2	7F
SSCURSV0	3	
SSCURSV1	14	
SSCURSV2	10	

SSCVT Information

SSCVT Programming Interface information

Programming Interface information

SSCVT

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

- SSCTSNAME
- SSCTSSID

End of Programming Interface information

SSCVT Heading Information • SSCVT Cross Reference

SSCVT Heading Information

Common Name: Subsystem Communications Vector Table
Macro ID: IEFJSCVT
DSECT Name: SSCT
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: SSCT
 Offset: 0
 Length: 4 bytes
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: 241
 Key: 0
 Data Space: No
 Residency: BELOW
Size: 36 bytes (decimal)
Created by: Subsystem Interface
Pointed to by: - JESSCT field of the JESCT data area
 - SSCTSCTA field of the SSCVT data area
Serialization: The SSCVT should be accessed only through the services provided by the IEFSSI macro.
Function: Maps information defining a subsystem

SSCVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSCT	
0	(0)	X'0'	0	SSCTBEGN	***
0	(0)	CHARACTER	4	SSCTID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	SSCTSCTA	PTR TO NEXT SSCVT OR ZERO
8	(8)	CHARACTER	4	SSCTSNAM	SUBSYSTEM NAME
12	(C)	BITSTRING	1	SSCTFLG1	FLAGS
		1...		SSCTSFOR	"X'80" SERIAL FIB OPERATIONS REQUIRED
		.1.		SSCTUPSS	"X'40" USE PRIMARY SUBSYSTEM'S SERVICES FOR THIS SUBSYSTEM (E.G. SYSOUT)
		..1.		SSCTARDR	"X'20" Subsystem supports Dynamic Allocation of a special internal reader.
13	(D)	BITSTRING	1	SSCTSSID	SUBSYSTEM IDENTIFIER. SET BY SUBSYSTEM FIRST TIME IT IS INVOKED AFTER IPL
		.... ....		SSCTUNKN	"X'00" UNKNOWN SUBSYSTEM ID
		.... ..1.		SSCTJES2	"X'02" JES2 SUBSYSTEM ID
		.... ..11		SSCTJES3	"X'03" JES3 SUBSYSTEM ID
14	(E)	BITSTRING	1	SSCTRSV1 (2)	RESERVED
16	(10)	ADDRESS	4	SSCTSSVT	SUBSYSTEM VECTOR TABLE POINTER
20	(14)	SIGNED	4	SSCTSUSE	RESERVED FOR SUBSYSTEM USAGE
24	(18)	ADDRESS	4	SSCTS SYN	HASH TABLE SYNONYM POINTER
28	(1C)	SIGNED	4	SSCTSUS2	RESERVED FOR SUBSYSTEM USAGE
32	(20)	SIGNED	4	SSCTRSV3	RESERVED
32	(20)	X'24'	0	SSCTSIZ	**SSCTBEGN" SSCVT LENGTH

SSCVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSCT	0		SSCTUPSS	C	40
SSCTARDR	C	20			
SSCTBEGN	0	0			
SSCTFLG1	C				
SSCTID	0	E2E2C3E3			
SSCTJES2	D	2			
SSCTJES3	D	3			
SSCTRSV1	E				
SSCTRSV3	20				
SSCTSCTA	4				
SSCTSFOR	C	80			
SSCTSIZ	20	24			
SSCTS NAM	8				
SSCTSSID	D				
SSCTSSVT	10				
SSCTSUSE	14				
SSCTSUS2	1C				
SSCTS SYN	18				
SSCTUNKN	D	0			

SSDA Information

SSDA Heading Information

Common Name: FUNCTIONAL EXTENSION FOR OPEN/CLOSE, CHECKPOINT/RESTART
Macro ID: IEFSSDA
DSECT Name: SSDA
Owning Component: Initiator/terminator (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: User
 Key: User
Size: 20 bytes for SSOB plus 28 bytes for SSDA
Created by: IGG0193K
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	SSDA	DATA MANAGEMENT FUNCTION
0	(0)	SIGNED	2	SSDALEN	LENGTH OF SSDA
2	(2)	UNSIGNED	1	SSDAVER	MACRO VERSION NUMBER
3	(3)	BITSTRING	1	SSDARES	RESTART FLAGS
		1... ..		SSDAAUTO	AUTO CHECKPOINT RESTART
		.1.. ..		SSDADEFR	DEFERRED CHECKPOINT RESTART
		..11 1111		*	RESERVED
4	(4)	ADDRESS	4	SSDABUFR	4K BUFFER PTR-GOTTEN BY CHECKPT AND RESTART, USED BY SUBSYSTEM OR 256 BYTE PTR-GOTTEN BY OPEN, USED BY SUBSYSTEM FOR OPEN VERIFICATION
8	(8)	ADDRESS	4	SSDAJFCB	JFCB POINTER
12	(C)	ADDRESS	4	SSDADEBP	DEB POINTER
16	(10)	ADDRESS	4	SSDASSCM	POINTER TO SUBSYSTEM INFORMATION
20	(14)	ADDRESS	4	SSDADSAB	DSAB POINTER
24	(18)	BITSTRING	1	SSDAOCFL	OPEN/CLOSE FLAGS
		1... ..		SSDAOPNV	OPEN VERIFICATION
		.1.. ..		SSDALRNS	LRECL NOT AVAILABLE, DEFAULTED BY OPEN
25	(19)	CHARACTER	3	SSDARSV2	RESERVED

SSDA Constants

Len	Type	Value	Name	Description
2	DECIMAL	16	SSOBOPEN	OPEN FUNCTION ID
2	DECIMAL	17	SSOBCLOS	CLOSE FUNCTION ID
2	DECIMAL	18	SSOBCKPT	CHECKPOINT FUNCTION ID
2	DECIMAL	19	SSOBRST	RESTART FUNCTION ID

Comment

OPEN/CLOSE, C/R RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	0	SSDMOK	REQUEST SUCCESSFUL YM02677
4	DECIMAL	4	SSDMFAIL	REQUEST UNSUCCESSFUL YM02677

Comment

ADDITIONAL DATA FOR THIS EXTENSION

End of Comment

1	DECIMAL	2	SSDACVER	CURRENT VERSION NUMBER
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SSDA Cross Reference

SSDA Cross Reference

Name	Hex Offset	Hex Value
SSDA	0	
SSDAAUTO	3	80
SSDABUFR	4	
SSDADEBP	C	
SSDADEFR	3	40
SSDADSAB	14	
SSDAJFCB	8	
SSDALEN	0	
SSDALRNS	18	40
SSDAOFL	18	
SSDAOPNV	18	80
SSDARESF	3	
SSDARV2	19	
SSDASSCM	10	
SSDAVER	2	

SSDD Information

SSDD Heading Information

Common Name: SSOB Extension for Change DDname/JES3 Exit
Macro ID: IEFSSDD
DSECT Name: SSDD
Owning Component: Allocation/unallocation (SC1B4)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 16 bytes for SSDD
Created by: IEFDB4FB
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	SSDD	BEGINNING CHANGE DDNAME SSOB EXTENSION
0	(0)	SIGNED	2	SSDDLLEN	LENGTH OF SSDD
2	(2)	SIGNED	2	SSDDRSV0	RESERVED
4	(4)	SIGNED	4	SSDDNUMB	NUMBER OF CHANGED DDNAMES
8	(8)	ADDRESS	4	SSDDNPTR	PTR TO DDNAME INFO
12	(C)	SIGNED	4	SSDDRSV1	RESERVED

SSDD Constants

Len	Type	Value	Name	Description
2	DECIMAL	26	SSOBDDCD	CHANGE DDNAME ID

SSDM Information

SSDM Programming Interface information

Programming Interface information

SSDM

End of Programming Interface information

SSDM Heading Information • SSDM Cross Reference

SSDM Heading Information

Common Name: SSOB EXTENSION FOR DELETE OPERATOR MESSAGE
Macro ID: IEFSSDM
DSECT Name: SSDM
Owning Component: Consoles (SC1CK)
Eye-Catcher ID: 'SSDM'
 Offset: '0C'x
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
 Residency: 24-bit addressability
Size: 17 bytes
Created by: CNZS1SSD
Pointed to by: n/a
Serialization: None
Function: DELETES OPERATOR MESSAGES

SSDM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'E'	0	SSOBDOM	"14" DOM FUNCTION ID (SSOBFUNC)
Comment					
DOM RETURN CODES (SSOBRETN) - NO DOM RETURN CODES CURRENTLY DEFINED					
End of Comment					
0	(0)	X'0'	0	SSDMBGN	***
0	(0)	ADDRESS	2	SSDMLN	DOM EXTENSION LENGTH
2	(2)	BITSTRING 1... ..	1	SSDMFLG1	FLAGS BYTE
				SSDMSEND	"X'80" DOM REQUEST SHOULD BE COMMUNICATED TO OTHER SYSTEMS
3	(3)	BITSTRING	1	SSDMRES2	RESERVED
4	(4)	ADDRESS	4	SSDMDMCB	DOM CONTROL BLOCK ADDRESS (DOMC SECTION OF THE DOMCB)
8	(8)	ADDRESS	4	SSDMDMC2	DOM CONTROL BLOCK ADDRESS (ENTIRE DOMCB)
12	(C)	CHARACTER	4	SSDMACRN	CONTROL BLOCK ACRONYM - 'SSDM'
16	(10)	BITSTRING	1	SSDMVRSN	VERSION LEVEL
16	(10)	X'1'	0	SSDMSP22	"1" VERSION LEVEL FOR OS/VS2 JBB2220
16	(10)	X'1'	0	SSDMVRID	"SSDMSP22" VERSION LEVEL-UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
16	(10)	X'11'	0	SSDMSIZE	**-'SSDMBGN" DOM EXTENSION LENGTH
16	(10)	X'2D'	0	SSOBLENA	"SSOBHSIZ+SSDMSIZE" TOTAL SSOB LENGTH

SSDM Cross Reference

Name	Hex Offset	Hex Value
SSDMACRN	C	
SSDMBGN	0	0
SSDMDMCB	4	
SSDMDMC2	8	
SSDMFLG1	2	
SSDMLN	0	
SSDMRES2	3	
SSDMSEND	2	80
SSDMSIZE	10	11
SSDMSP22	10	1
SSDMVRID	10	1
SSDMVRSN	10	
SSOBDOM	0	E
SSOBLENA	10	2D

SSDR Information

SSDR Heading Information

Common Name:	SSOB Extension for DDR
Macro ID:	IEFSSDR
DSECT Name:	SSDR
Owning Component:	Dynamic Device Reconfiguration (BB1CS)
Eye-Catcher ID:	SSDR
	Offset: 0
	Length: 4-Bytes
Storage Attributes:	Main Storage: n/a
	Virtual Storage: Yes
	Auxiliary Storage: n/a
	Subpool: User
	Key: User
	Data Space: n/a
	Residency: n/a
Size:	16-Bytes
Created by:	IGFDI0
Pointed to by:	SSOBINDV field of the SSOB data area (Mapped by IEFSSOBH)
Serialization:	None
Function:	Maps the extension area of the Subsystems Options Block. Also defines constants used by the SSOB.

SSDR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	SSDR	BEGINNING SSOBDR EXTENSION
0	(0)	SIGNED	2	SSDRLEN	LENGTH OF SSDR
2	(2)	BITSTRING	1	SSDRFLG1	SSDR FLAG BYTE 1
		1111		*	BITS 0-3 UNUSED
		.... 1111		SSDRXRCM	BITS 4-7 RESERVED FOR SSOBDDR _x RETURN CODE MODIFIERS
3	(3)	BITSTRING	1	SSDRFLG2	SSDR FLAG BYTE 2
		1111		*	RESERVED FOR SSOBDDR3
		.... 1...		SSDR4SWP	FOR FUNCTION 4 ONLY - IF ON, SWAP SUCCESSFUL - IF OFF, SWAP UNSUCCESSFUL
		.... .1..		SSDRHSWP	Swap initiated by hyperswap
4	(4)	ADDRESS	4	SSDRSFRU	PTR TO SWAP FROM UCB
8	(8)	ADDRESS	4	SSDRSTOU	PTR TO SWAP TO UCB
12	(C)	ADDRESS	4	SSDRUCBL	PTR TO JES3 UCB LIST (FULLWORD UCB ADDRESSES, ENDED BY X'FFFFFFFF')

SSDR Constants

Len	Type	Value	Name	Description
2	DECIMAL	28	SSOBDDR1	DDR DEVICE CANDIDATE SELECTION FUNCTION
2	DECIMAL	29	SSOBDDR2	DDR DEVICE CANDIDATE VERIFICATION FUNCTION
2	DECIMAL	30	SSOBDDR3	DDR UCB SWAP NOTIFICATION FUNCTION
2	DECIMAL	31	SSOBDDR4	DDR SWAP COMPLETION FUNCTION

Comment

RETURN CODES FOR SSOBDDR1 FUNCTION

End of Comment

4	DECIMAL	0	SSDR1EDL	LIST OF ELIGIBLE DEVICES IS RETURNED
4	DECIMAL	4	SSDR1IDL	LIST OF INELIGIBLE DEVICES IS RETURNED
4	DECIMAL	8	SSDR1NOL	NO LIST RETURNED, NO MORE DEVICES ELIGIBLE

Comment

RETURN CODES FOR SSOBDDR2 FUNCTION

End of Comment

4	DECIMAL	0	SSDR2ED	CANDIDATE IS AN ELIGIBLE DEVICE
4	DECIMAL	4	SSDR2ID	CANDIDATE IS AN INELIGIBLE DEVICE

SSDR Cross Reference

Len	Type	Value	Name	Description
Comment				
RETURN CODE MODIFIERS FOR SSOBDDR2 FUNCTION				
End of Comment				
1	DECIMAL	1	SSDRDUSE	JES3 DEVICE-IN-USE
1	DECIMAL	2	SSDRDOFL	JES3 DEVICE-OFFLINE
1	DECIMAL	3	SSDRDONL	JES3 DEVICE-ONLINE

SSDR Cross Reference

Name	Hex Offset	Hex Value
SSDR	0	
SSDRFLG1	2	
SSDRFLG2	3	
SSDRHSWP	3	04
SSDRLEN	0	
SSDRSFRTU	4	
SSDRSTOU	8	
SSDRUCBL	C	
SSDRXRCM	2	0F
SSDR4SWP	3	08

SSDY Information

SSDY Programming Interface Information

Programming Interface Information

SSDY

End of Programming Interface Information

SSDY Heading Information • SSDY Cross Reference

SSDY Heading Information

Common Name: SSOB Extension for Dynamic Allocation JES3
Macro ID: IEFSSDY
DSECT Name: SSDY
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 24 bytes
Created by: IEFDB413
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSDY Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'17'	0	SSOBDYCD	"23" DYNAMIC ALLOCATION FUNCTION ID (SSOBFUNC)
Comment					
DYNAMIC ALLOCATION RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSDYSUCC	"0" SUCCESSFUL
0	(0)	X'4'	0	SSDYVNMT	"4" REQUESTED VOLUME NOT MOUNTED (VOLUME MOUNTING NOT ALLOWED)
0	(0)	X'8'	0	SSDYVBUS	"8" VOLUME BUSY (WAITING FOR VOLUME IS NOT ALLOWED)
0	(0)	X'C'	0	SSDYUNAV	"12" REQUESTED VOLUME UNAVAILABLE (VOLUME FOUND IN THE JES3 VOLUME UNAVAILABLE TABLE)
0	(0)	X'10'	0	SSDYDBUS	"16" REQUESTED DATA SET BUSY (WAITING FOR DATASET NOT ALLOWED)
0	(0)	X'14'	0	SSDYNUNT	"20" REQUESTED UNIT(S) NOT AVAILABLE (NO UNIT(S) OF TYPE AVAILABLE FOR USE)
0	(0)	X'18'	0	SSDYNEDP	"24" NOT ENOUGH DEVICES OF TYPE REQUESTED EXIST ON THE PROCESSOR FROM WHICH THE ALLOCATION REQUEST ORIGINATED
0	(0)	X'1C'	0	SSDYCNCL	"28" REQUEST CANCELLED BY OPERATOR
0	(0)	X'0'	0	SSDYBGN	"" DYNAMIC ALLOCATION BEGINNING
0	(0)	ADDRESS	2	SSDYLEN	DYNAMIC ALLOCATION EXTENSION LENGTH
2	(2)	SIGNED	2	SSDYRSV0	RESERVED
4	(4)	ADDRESS	4	SSDYSIOT	POINTER TO 1ST SIOT
8	(8)	ADDRESS	4	SSDYPFLG	POINTER TO FLAG FIELD
12	(C)	SIGNED	4	SSDYSTFL	POINTER TO A SIOT IN ERROR
16	(10)	SIGNED	4	SSDYRSV2	RESERVED
20	(14)	SIGNED	4	SSDYRSV1	RESERVED
20	(14)	X'18'	0	SSDYSIZE	""-SSDYBGN" EXTENSION LENGTH
20	(14)	X'34'	0	SSOBLN10	"SSOBHSIZ+SSDYSIZE" TOTAL SSOB LENGTH

SSDY Cross Reference

Name	Hex Offset	Hex Value
SSDYBGN	0	0
SSDYCNCL	0	1C
SSDYDBUS	0	10
SSDYLEN	0	
SSDYNEDP	0	18
SSDYNUNT	0	14
SSDYPFLG	8	
SSDYRSV0	2	
SSDYRSV1	14	
SSDYRSV2	10	
SSDYSIOT	4	
SSDYSIZE	14	18
SSDYSTFL	C	
SSDYSUCC	0	0
SSDYUNAV	0	C
SSDYVBUS	0	8
SSDYVNMT	0	4
SSOBDYCD	0	17
SSOBLN10	14	34

SSEN Information

SSEN Programming Interface Information

Programming Interface Information

SSEN

End of Programming Interface Information

SSEN Heading Information • SSEN Cross Reference

SSEN Heading Information

Common Name: SSOB Extension for End of Memory
Macro ID: IEFSSSEN
DSECT Name: SSEN
Owning Component: Initiator/terminator (SC1B6)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 16 bytes for SSEN
Created by: IEFJRECM
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSEN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'8'	0	SSOB EOM	"8" EOM FUNCTION ID (SSOBFUNC)
					Comment
EOM RETURN CODES (SSOBRETN)					
NO EOM RETURN CODES CURRENTLY DEFINED					
					End of Comment
0	(0)	X'0'	0	SSEN BGN	***
0	(0)	ADDRESS	2	SSENLEN	EOM EXTENSION LENGTH
2	(2)	SIGNED	2	SSENRESV	RESERVED
4	(4)	SIGNED	2	SSENASID	ASID OF TERMINATING MEMORY
6	(6)	BITSTRING	1	SSENFLAG	END OF MEMORY FLAGS
		1...		SSEN TYPE	"X'80" ON - ABNORMAL MEMORY TERMINATION OFF- NORMAL MEMORY TERMINATION
7	(7)	BITSTRING	1	SSENRSV1	RESERVED
8	(8)	ADDRESS	4	SSENJBNM	JOBNAME LIST POINTER - EACH JOBNAME ENTRY IS 12 BYTES - 1ST 4 BYTES - PTR TO NEXT JOBNAME ENTRY (LAST ENTRY CONTAINS ZEROS IN 1ST 4 BYTES) LAST 8 BYTES - JOBNAME ASSOCIATED WITH TERMINATING MEMORY
12	(C)	ADDRESS	4	SSENASCB	ASCB ADDRESS OF TERMINATING MEMORY
12	(C)	X'10'	0	SSEN SIZE	**-SSEN BGN" EOM EXTENSION LENGTH
12	(C)	X'2C'	0	SSEN LEN5	"SSOBHSIZ+SSEN SIZE" TOTAL SSOB LENGTH

SSEN Cross Reference

Name	Hex Offset	Hex Value
SSENASCB	C	
SSENASID	4	
SSEN BGN	0	0
SSENFLAG	6	
SSENJBNM	8	
SSENLEN	0	
SSENRESV	2	
SSENRSV1	7	
SSEN SIZE	C	10
SSEN TYPE	6	80
SSOB EOM	0	8
SSOB LEN5	C	2C

SSET Information

SSET Programming Interface Information

Programming Interface Information

SSET

End of Programming Interface Information

SSET Heading Information • SSET Cross Reference

SSET Heading Information

Common Name: SSOB Extension for End of Task
Macro ID: IEFSSSET
DSECT Name: SSET
Owning Component: Initiator/terminator (SC1B6)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 16 bytes for SSET
Created by: IEFJRECM, IEFJREFC
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSET Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'4'	0	SSOBEOT	"4" EOT FUNCTION ID (SSOBFUNC)
0	(0)	X'32'	0	SSOBFEOT	"50" EOT FUNCTION ID (SSOBFUNC)
Comment					
EOT RETURN CODES (SSOBRETN) - NO EOT RETURN CODES CURRENTLY DEFINED					
End of Comment					
0	(0)	X'0'	0	SSETBGN	***
0	(0)	ADDRESS	2	SSETLEN	EOT EXTENSION LENGTH
2	(2)	SIGNED	2	SSETRSV0	RESERVED
4	(4)	SIGNED	2	SSETASID	ASID OF MEMORY IN WHICH TASK WAS ACTIVE
6	(6)	BITSTRING	1	SSETFLAG	END OF TASK FLAGS -
		1...		SSETYPE	"X'80" ON - ABNORMAL TASK TERMINATION OFF- NORMAL TASK TERMINATION
7	(7)	BITSTRING	1	SSETRSV1	RESERVED
8	(8)	ADDRESS	4	SSETCBA	ADDRESS OF TERMINATING TCB
12	(C)	ADDRESS	4	SSETASCB	ASCB ADDRESS OF TERMINATING TASK'S MEMORY
12	(C)	X'10'	0	SSETSIZE	"*-SSETBGN" EOT EXTENSION LENGTH
12	(C)	X'2C'	0	SSOBLEND	"SSOBHSIZ+SSETSIZE" TOTAL SSOB LENGTH

SSET Cross Reference

Name	Hex Offset	Hex Value
SSETASCB	C	
SSETASID	4	
SSETBGN	0	0
SSETCBA	8	
SSETFLAG	6	
SSETLEN	0	
SSETRSV0	2	
SSETRSV1	7	
SSETSIZE	C	10
SSETYPE	6	80
SSOBEOT	0	4
SSOBFEOT	0	32
SSOBLEND	C	2C

SSGC Information

SSGC Programming Interface information

Programming Interface information

SSGC

End of Programming Interface information

SSGC Heading Information • SSGC Map

SSGC Heading Information

Common Name: SSOB functional extension for Generic Connect
Macro ID: IEFSSGC
DSECT Name: SSGC (when specified by user)
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: SSGC
 Offset: 4
 Length: 4 bytes
Storage Attributes: Subpool: User subpool
 Key: User key
 Residency: Any
Size: 40 bytes (decimal)
Created by: The invoker of IEFSSREQ
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: SSOB extension used for the Generic Connect subsystem function.
 The Generic Connect function is to be used when a subsystem's supporting address-space wishes to notify the subsystem that it is now active or inactive.

SSGC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'49'	0	SSOBGCON	"73" Subsystem generic connect
					Comment
GENERIC CONNECT RETURN CODES (SSOBRETN)					
					End of Comment
0	(0)	X'0'	0	SSGCOK	"0" Successful
0	(0)	X'4'	0	SSGCERR	"4" Error occurred
0	(0)	SIGNED	4	SSGCBGN (0)	Start of Generic Connect
0	(0)	ADDRESS	2	SSGCLEN	Length of extension
2	(2)	ADDRESS	1		Reserved
3	(3)	ADDRESS	1	SSGCVER	Version of extension
4	(4)	CHARACTER	4	SSGCID	Extension identifier
8	(8)	ADDRESS	2	SSGCFUNC	Subfunction request
8	(8)	X'4'	0	SSGCCNCT	"4" Connect
8	(8)	X'8'	0	SSGCDST	"8" Disconnect
8	(8)	X'C'	0	SSGCQUERY	"12" Query
10	(A)	ADDRESS	2	SSGCERCD	Error code
10	(A)	X'0'	0	SSGCRQOK	"0" Request successful
10	(A)	X'4'	0	SSGCNOTC	"4" Address-space not connected
10	(A)	X'8'	0	SSGCINVF	"8" Invalid sub-function
12	(C)	BITSTRING	1	SSGCTYPE	Subsystem type
		1... ..		SSGCCICS	"X'80" CICS request
13	(D)	BITSTRING	1		Reserved
14	(E)	ADDRESS	2	SSGCASID	Address space identifier
16	(10)	CHARACTER	8	SSGCJBNM	Jobname
24	(18)	CHARACTER	8		Reserved
32	(20)	ADDRESS	4	SSGCUSR1	Subsystem use 1
36	(24)	ADDRESS	4	SSGCUSR2	Subsystem use 2
36	(24)	X'28'	0	SSGCSIZE	**SSGCBGN" Extension length

SSGC Cross Reference

Name	Hex Offset	Hex Value
SSGCASID	E	
SSGCBGN	0	
SSGCCICS	C	80
SSGCCNCT	8	4
SSGCDSCT	8	8
SSGCERCD	A	
SSGCERR	0	4
SSGCFUNC	8	
SSGCID	4	E2E2C7C3
SSGCINVF	A	8
SSGCJBNM	10	40404040
SSGCLEN	0	
SSGCNOTC	A	4
SSGCOK	0	0
SSGCQURY	8	C
SSGCRQOK	A	0
SSGCSIZE	24	28
SSGCTYPE	C	0
SSGCUSR1	20	
SSGCUSR2	24	
SSGCVER	3	
SSOBGCON	0	49

SSIB Information

SSIB Programming Interface information

Programming Interface information

SSIB

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

- SSIBID
- SSIBLEN
- SSIBSSNM
- SSIBSUSE
- SSIBJBID
- SSIBSIZE

End of Programming Interface information

SSIB Heading Information • SSIB Cross Reference

SSIB Heading Information

Common Name: Subsystem Identification Block (SSIB)
Macro ID: IEFJSSIB
DSECT Name: SSIB
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: 'SSIB'
 Offset: 0
 Length: 4 bytes
Storage Attributes: Subpool: User's subpool
 Key: User's key
 Residency: Any
Size: 36 bytes
 Frequency: 1 per IEFSSREQ request
Created by: Invoker of IEFSSREQ
Pointed to by: SSOBSSIB field of the SSOB data area
Serialization: None
Function: Identifies the subsystem to which a request for services is being made. Also contains common control information passed between the requestor and the subsystem.

SSIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSIB	
0	(0)	X'0'	0	SSIBEGIN	***
0	(0)	CHARACTER	4	SSIBID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	SSIBLEN	SSIB LENGTH
6	(6)	BITSTRING	1	SSIBFLG1	FLAGS
		1.. ..		SSIBPJES	"X'80" THIS SSIB IS USED TO START THE JOB ENTRY SUBSYSTEM
		.1.. ..		SSIBNSVC	"X'40" NO SVC INDICATOR
7	(7)	BITSTRING	1	SSIBSSID	SUBSYSTEM IDENTIFIER. SET IN IEFJSCVT BY SUBSYSTEM FIRST TIME IT IS INVOKED AFTER IPL. SET IN SSIB BY SUBSYSTEM INTERFACE
		.... ..		SSIBUNKN	"X'00" UNKNOWN SUBSYSTEM ID
		.... ..1.		SSIBJES2	"X'02" JES2 SUBSYSTEM ID
		.... ..11		SSIBJES3	"X'03" JES3 SUBSYSTEM ID
8	(8)	CHARACTER	4	SSIBSSNM	Subsystem name to which a request for services is being made
12	(C)	CHARACTER	8	SSIBJBID	Job Identifier or Subsystem name to be verified
20	(14)	CHARACTER	8	SSIBDEST	DEFAULT USERID FOR SYSOUT DESTINATION
28	(1C)	SIGNED	4	SSIBRSV1	RESERVED
32	(20)	SIGNED	4	SSIBSUSE	RESERVED FOR SUBSYSTEM USAGE
32	(20)	X'24'	0	SSIBSIZE	"*-SSIBEGIN" SSIB LENGTH

SSIB Cross Reference

Name	Hex Offset	Hex Value
SSIB	0	
SSIBDEST	14	
SSIBEGIN	0	0
SSIBFLG1	6	
SSIBID	0	E2E2C9C2
SSIBJBID	C	
SSIBJES2	7	2
SSIBJES3	7	3
SSIBLEN	4	
SSIBNSVC	6	40
SSIBPJES	6	80
SSIBRSV1	1C	
SSIBSIZE	20	24
SSIBSSID	7	
SSIBSSNM	8	
SSIBSUSE	20	
SSIBUNKN	7	0

SSJI Information

SSJI Programming Interface information

Programming Interface information

SSJI

End of Programming Interface information

SSJI Heading Information • SSJI Map

SSJI Heading Information

Common Name: SSOB Extension for the JES Job Information Service
Macro ID: IAZSSJI
DSECT Name: SSJI
Owning Component: JES Common (SC141)
Eye-Catcher ID: SSJI
 Offset: 0
 Length: 4
Storage Attributes: Subpool: caller
 Key: Any
 Residency: Any
Size: See SSJISIZE equate
Created by: Caller of SSI function 'SSOBSSJI' = 71
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used by authorized programs to request Job Information Service from the JES checkpoint data space.

SSJI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'47'	0	SSOBSSJI	"71" JES JOB INFORMATION USER SERVICE ID
Comment					
RETURN CODE VALUES FOR SSOBRETN					
End of Comment					
0	(0)	X'0'	0	SSJIOK	"0" REQUEST SUCCESSFUL
0	(0)	X'4'	0	SSJIERVR	"4" REQUEST COMPLETED WITH POSSIBLE ERRORS, VERSION AVAILABLE, SEE SSJIRETN FOR REASON CODE
0	(0)	X'8'	0	SSJIERRU	"8" REQUEST CANNOT BE COMPLETED DUE TO USER ERROR, NO VERSION IS AVAILABLE, SEE SSJIRETN FOR REASON CODE
0	(0)	X'C'	0	SSJIERRJ	"12" REQUEST CANNOT BE COMPLETED, CALL LEVEL 1 SERVICE, NO VERSION IS AVAILABLE, SSJIRETN CONTAINS INTERNAL JES2 REASON CODE
0	(0)	X'10'	0	SSJIPARM	"16" THE PARAMETER LIST, IE, THE SSJI EXTENSION IS AN INVALID FORMAT - IT IS NOT AN SSJI, THE SERVICE VERSION NUMBER IS NOT SUPPORTED, OR THE SSJI IS NOT LARGE ENOUGH
0	(0)	X'0'	0	SSJIBGN	***
0	(0)	CHARACTER	4	SSJIID	EXTENSION IDENTIFIER
4	(4)	ADDRESS	2	SSJILEN	LENGTH OF SSOB EXTENSION AREA
6	(6)	SIGNED	2	SSJISVRN	SERVICE VERSION NUMBER
6	(6)	X'1'	0	SSJISVR#	"1" SERVICE VERSION NUMBER OF THIS LEVEL OF IAZSSJI - VERSION 4.1.0 SSJISVRN MUST BE SET TO SSJISVR#
8	(8)	BITSTRING	1	SSJIFREQ	FUNCTION REQUEST BYTE
8	(8)	X'4'	0	SSJIFOBT	"4" FUNCTION REQUEST_OBTAIN
8	(8)	X'8'	0	SSJIFREL	"8" FUNCTION REQUEST_RELEASE
8	(8)	X'C'	0	SSJIFJCO	"12" Function Jobclass_Data Obtain
8	(8)	X'10'	0	SSJIFJCR	"16" Function Jobclass_Data Return
8	(8)	X'14'	0	SSJISIOM	"20" Function SPOOL I/O: obtain control block
8	(8)	X'18'	0	SSJISIRS	"24" Function SPOOL I/O: return storage
8	(8)	X'1C'	0	SSJICVDV	"28" Function Convert Device ID
8	(8)	X'20'	0	SSJIMNOD	"32" Function Monitor info obtain data
8	(8)	X'24'	0	SSJIMNRS	"36" Function Monitor info return storage
9	(9)	BITSTRING	3	SSJIRSV1	RESERVED

Offsets																							
Dec	Hex	Type/Value	Len	Name (Dim)	Description																		
Comment																							
<p>SSJIRETN provides additional information for some values of SSOBRETN. The meaning of the return return codes is based on the value in SSOBRETN and the function being requested (SSJIFREQ). When SSOBRETN is SSJIERRJ (12) an internal error has ocured and the return code in SSJIRETN will be set to 128 or greater. Internal errors can occur if you request a function at the same time the corresponding JES is terminating. For other cases, you can contact IBM support for further information.</p> <p>Additional SSJIRETN values can be found in the following data areas (based on function code):</p> <p>Related</p> <table border="1"> <thead> <tr> <th>Function code</th> <th>data area</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>SSJISIOM (20)</td> <td>IAZSPLIO</td> <td>Read SPOOL block</td> </tr> <tr> <td>SSJISIRS (24)</td> <td>IAZSPLIO</td> <td>Free SPOOL block storage</td> </tr> <tr> <td>SSJICVDV (28)</td> <td>IAZCVDEV</td> <td>Function Convert Device ID</td> </tr> <tr> <td>SSJIMNOD (32)</td> <td>IAZMOND</td> <td>Monitor data obtain</td> </tr> <tr> <td>SSJIMNRS (36)</td> <td>IAZMOND</td> <td>Monitor data return</td> </tr> </tbody> </table>						Function code	data area	Description	SSJISIOM (20)	IAZSPLIO	Read SPOOL block	SSJISIRS (24)	IAZSPLIO	Free SPOOL block storage	SSJICVDV (28)	IAZCVDEV	Function Convert Device ID	SSJIMNOD (32)	IAZMOND	Monitor data obtain	SSJIMNRS (36)	IAZMOND	Monitor data return
Function code	data area	Description																					
SSJISIOM (20)	IAZSPLIO	Read SPOOL block																					
SSJISIRS (24)	IAZSPLIO	Free SPOOL block storage																					
SSJICVDV (28)	IAZCVDEV	Function Convert Device ID																					
SSJIMNOD (32)	IAZMOND	Monitor data obtain																					
SSJIMNRS (36)	IAZMOND	Monitor data return																					
End of Comment																							
12	(C)	SIGNED	4	SSJIRETN	REASON CODE FOR ERROR RETURN CODE																		
Comment																							
<p>Values of SSJIRETN when SSOBRETN is SSJIERVV (4) for function (values of SSJIFREQ) SSJIFOBT and SSJIFREL.</p>																							
End of Comment																							
12	(C)	X'14'	0	SSJIOLDD	"20" The data may be obsolete																		
Comment																							
<p>Values of SSJIRETN when SSOBRETN is SSJIERRU (8) for all functions (values of SSJIFREQ)</p>																							
End of Comment																							
12	(C)	X'4'	0	SSJIUNSF	"4" Function code passed in SSJIFREQ is not supported																		
12	(C)	X'18'	0	SSJINTDS	"24" SSJIUSER does not point to the correct data area																		
12	(C)	X'1C'	0	SSJIUNSD	"28" SSJIUSER CB version number is not correct																		
12	(C)	X'20'	0	SSJISMDS	"32" SSJIUSER CB length is too small																		
Comment																							
<p>Values of SSJIRETN when SSOBRETN is SSJIERRU (8) for function (values of SSJIFREQ) SSJIFOBT, SSJIFREL, SSJIFJCO, and SSJIFJCR</p>																							
End of Comment																							
12	(C)	X'8'	0	SSJI2OBT	"8" SUCCESSIVE OBTAINS WITHOUT INTERVENING RELEASE REQUESTED																		
12	(C)	X'C'	0	SSJIDISA	"12" SUBTASK DISABLED, TRY AGAIN SHORTLY																		
12	(C)	X'10'	0	SSJIVINA	"16" VERSIONING INACTIVE, ACTIVATE IT																		
12	(C)	X'24'	0	SSJIINVR	"36" INVALID INPUT DATA TO RELEASE, COULD BE SUCCESSIVE RELEASES WITHOUT INTERVENING OBTAIN OR RELEASE WITHOUT HAVING DONE OBTAIN																		

SSJI Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>This SSI function is a router for various JES requests. Each function has a related data area that must be pointed to by SSJIUSER. The mapping of the data area depends on the function code in SSJIFREQ.</p> <p style="text-align: center;">Related</p> <p>Function code data area Description</p> <p>-----</p> <p>SSJIFOBT (4) IAZDSERV CKPT version obtain SSJIFREL (8) IAZDSERV CKPT version return SSJIFJCO (12) IAZJBCLD JOBCLASS info obtain SSJIFJCR (16) IAZJBCLD JOBCLASS info return SSJISIOM (20) IAZSPLIO Read SPOOL block SSJISIRS (24) IAZSPLIO Free SPOOL block storage SSJICVDV (28) IAZCVDEV Convert device id SSJIMNOD (32) IAZMOND Monitor data obtain SSJIMNRS (36) IAZMOND Monitor data return</p>					
End of Comment					
16	(10)	SIGNED	4	SSJIUSER	POINTER TO USER PARAMETER AREA
16	(10)	X'14'	0	SSJISIZE	"*-SSJIBGN" SSOB EXTENSION LENGTH
16	(10)	X'30'	0	SSJILEN8	"SSOBHSIZ+SSJISIZE" TOTAL SSOB LENGTH W/JI EXTENSION

SSJI Cross Reference

Name	Hex Offset	Hex Value
SSJIBGN	0	0
SSJICVDV	8	1C
SSJIDISA	C	C
SSJIERRJ	0	C
SSJIERRU	0	8
SSJIERVER	0	4
SSJIFJCO	8	C
SSJIFJCR	8	10
SSJIFOBT	8	4
SSJIFREL	8	8
SSJIFREQ	8	
SSJIID	0	E2E2D1C9
SSJIIINVR	C	24
SSJILEN	4	
SSJILEN8	10	30
SSJIMNOD	8	20
SSJIMNRS	8	24
SSJINTDS	C	18
SSJIOK	0	0
SSJIOLDD	C	14
SSJIPARM	0	10
SSJIRETN	C	
SSJIRSV1	9	
SSJISIOM	8	14
SSJISIRS	8	18
SSJISIZE	10	14
SSJISMDS	C	20
SSJISVR#	6	1
SSJISVRN	6	
SSJIUNSD	C	1C
SSJIUNSF	C	4
SSJIUSER	10	
SSJIVINA	C	10
SSJI2OBT	C	8
SSOBSSJI	0	47

SSJS Information

SSJS Heading Information

Common Name: JOB SELECT FUNCTION
Macro ID: IEFSSJS
DSECT Name: SSJS
Owning Component: SUBSYSTEM INTERFACE (SC1B6)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: NO
 Virtual Storage: YES
 Auxiliary Storage: YES
 Subpool: DETERMINED BY CALLER OF IEFSSREQ
 Key: DETERMINED BY CALLER OF IEFSSREQ
 Data Space: NO
 Residency: ANY
Size: 256 BYTES
Created by: CALLER OF IEFSSREQ
Pointed to by: - SSOBINDV
Serialization: NONE
Function: PROVIDES THE INPUT AND OUTPUT FOR THE JOB SELECT SSI FUNCTION.

SSJS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	268	SSJS	
0	(0)	SIGNED	2	SSJSLEN	LENGTH OF SSJS
2	(2)	UNSIGNED	1	SSJSVER	SSJS VERSION NUMBER
3	(3)	UNSIGNED	1	*	RESERVED
4	(4)	SIGNED	2	SSJSSTEP	STEP NO. OR ZERO
6	(6)	BITSTRING	1	SSJSFLG1	JOB DESCRIPTOR BITS
		1...		SSJSSTRS	STEP RESTART
		.1..		SSJSCHRS	CHECKPOINT/RESTART
		..1.		SSJSCNRS	CONTINUE RESTART
		...1		*	RESERVED
		.... 1...		SSJSWARM	WARM START THE JOB
		.... .1..		SSJSAIFG	ALTERNATE INTERPRETER FLAG IF ON SELECT INTERPRETER ADDRESS FROM SSJSAIAD FIELD Y02886
		.... ..1.		SSJSSWAL	ABOVE THE LINE INDICATOR FOR SELECTED SWA CONTROL BLOCKS. IF ON SELECTED SWA CONTROL BLOCKS CAN RESIDE ABOVE THE LINE.
		.... ...1		SSJSSISO	BELOW THE LINE INDICATOR FOR SYSIN AND SYSOUT SWA CONTROL BLOCKS. IF ON SYSIN/SYSOUT SWA CONTROL BLOCKS MUST RESIDE BELOW THE LINE.
7	(7)	BITSTRING	1	SSJSFLG2	FLAGS
		1...		SSJSBYPS	BYPASS PASSWORD CHECKING
		.1..		SSJSXBM	XBM
		..1.		SSJSCRYP	PASSWORD ENCRYPTED
		...1		SSJSWLM	WLM MANAGED INITIATOR
		.... 1...		SSJSSCCH	SRVCLASS FOR SELECTED JOB HAS BEEN CHANGED VIA \$TJ OR *F J=.
		.... .1..		SSJSDBIN	DEMAND BATCH INITIATOR. ONLY SELECT JOBS WHICH HAVE BEEN FORCED INTO EXECUTION.
		.... ..1.		SSJSDBJB	SELECTED JOB IS A DEMAND BATCH JOB.
		.... ...1		SSJSJBRQ	JOB HAS BEEN REQUEUED FOR EXECUTION.
8	(8)	ADDRESS	4	SSJSLCT	ADDRESS OF THE LCT
12	(C)	ADDRESS	4	SSJSMACB	ADDRESS OF THE MESSAGE ACB
16	(10)	ADDRESS	4	SSJSJACB	ADDRESS OF THE JOURNAL ACB
20	(14)	ADDRESS	4	SSJSTACB	ADDRESS OF INTERNAL TEXT ACB
24	(18)	ADDRESS	4	SSJSIPRM	ADDRESS OF PARAMETER FOR PHASE TWO OF THE INTERPRETER
28	(1C)	ADDRESS	4	SSJSJMR	JMR ADDRESS
32	(20)	SIGNED	4	SSJSERR	SYSTEM ERROR RETURN CODE - FROM CONVERTER OR SWA CREATE
36	(24)	ADDRESS	4	SSJSAIAD	ALTERNATE INTERPRETER ADDRESS Y02886
40	(28)	CHARACTER	9	SSJSPASS	SECURITY PASSWORD FIELD
40	(28)	UNSIGNED	1	SSJSPSLN	PASSWORD LENGTH
41	(29)	CHARACTER	8	SSJSPSWD	SECURITY PASSWORD
49	(31)	CHARACTER	9	SSJSPAS2	NEW PASSWORD FIELD
49	(31)	UNSIGNED	1	SSJSPSL2	NEW PASSWORD LENGTH
50	(32)	CHARACTER	8	SSJSPSW2	NEW PASSWORD
58	(3A)	CHARACTER	8	SSJSCLS	JES3 JOB CLASS
66	(42)	CHARACTER	8	SSJSJDVT	JCL DEFINITION VECTOR TABLE NAME
74	(4A)	CHARACTER	8	SSJSUSER	PROPAGATED USERID
82	(52)	CHARACTER	8	SSJSGRP	PROPAGATED GROUPID

SSJS Constants • SSJS Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
90	(5A)	CHARACTER	80	SSJSUTOK	SECURITY TOKEN (THE LAYOUT OF THIS TOKEN IS DETERMINED BY THE SYSTEM SECURITY FACILITY SUCH AS RACF)
170	(AA)	BITSTRING	1	SSJS_DSENQSHR	DSENQSHR JOBCLASS attribute NOTE: This byte must be mapped identically in IEFNEL. This byte must only be used for the DSENQSHR JOBCLASS attribute, and only updated when an additional DSENQSHR value is to be added.
		1...		SSJS_DSENQSHR_AUTO	DSENQSHR JOBCLASS attribute AUTO
		.1..		SSJS_DSENQSHR_ALLOW	DSENQSHR JOBCLASS attribute ALLOW NOTE: ALLOW is the default for HBB7790 installations. If this is a downlevel installation, it will assume the value of DISALLOW (which is 0). Therefore, the function will always be disabled on HBB7780 & below level installations
171	(AB)	CHARACTER	1	SSJSRES2	RESERVED
172	(AC)	CHARACTER	16	SSJSWQTK	WLM BATCH JOB QUEUE TOKEN.
188	(BC)	ADDRESS	4	SSJSWECEB	ADDRESS OF THE WLM ECB FOR THIS INITIATOR.
192	(C0)	BITSTRING	4	SSJSWCTK	WLM CLASSIFICATION TOKEN.
196	(C4)	SIGNED	4	SSJSPRTY	JOB PRIORITY USED FOR CLASSIFICATION.
200	(C8)	CHARACTER	8	SSJSSCLS	WLM SERVICE CLASS FOR THE JOB
208	(D0)	CHARACTER	16	SSJSSENV	WLM SCHEDULING ENVIRONMENT USED BY THIS JOB.
224	(E0)	CHARACTER	8	SSJSDBJI	JOBID OF DEMAND BATCH JOB REQUESTED.
232	(E8)	CHARACTER	24	SSJSRPTD	REPORTING DATA COLLECTED BY JES WHILE THE JOB WAS WAITING TO EXECUTE.
232	(E8)	CHARACTER	8	SSJSRHLD	DURATION JOB WAS INELIGIBLE FOR SELECTION DUE TO A HOLD.
240	(F0)	CHARACTER	8	SSJSRRSC	DURATION JOB WAS INELIGIBLE FOR SELECTION DUE TO UNSATISFIED RESOURCE REQUIREMENTS.
248	(F8)	CHARACTER	8	SSJSRTOC	DURATION JOB WAS IN CONVERSION.
256	(100)	UNSIGNED	4	SSJSSRTK	IWMCLSFY SRMTOKEN OUTPUT RETURNED TO JES WHEN THE JOB WAS CLASSIFIED.
260	(104)	CHARACTER	8	SSJSJPNM	JESPLEX NAME
268	(10C)	CHARACTER	0	*	END OF SSJS

SSJS Constants

Len	Type	Value	Name	Description
2	DECIMAL		SSOJBBSL	FUNCTION ID (SSOBFUNC)
Comment				
SUBSYSTEM JOB SELECTION RETURN CODES (SSOBRETN)				
End of Comment				
4	DECIMAL	0	SSJSRTOK	OK-JOB HAS BEEN SELECTED
4	DECIMAL	4	SSJSISTP	INITIATOR SHOULD STOP
4	DECIMAL	8	SSJSIWLM	WLM ECB WAS POSTED
4	DECIMAL	16	SSJSYSER	SYSTEM ERROR OCCURRED DURING SUBSYSTEM PROCESSING - SYSTEM ERROR CODE IS IN SSJSSERR
4	DECIMAL	36	SSJSPERR	PROGRAM ERROR
1	DECIMAL	6	SSJSCVER	CURRENT VERSION NUMBER OF SSJS

SSJS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSJS	0		SSJSFLG1	6	
SSJS_DSENQSHR			SSJSFLG2	7	
SSJS_DSENQSHR_ALLOW	AA	40	SSJSGRP	52	
SSJS_DSENQSHR_AUTO	AA	80	SSJSIPRM	18	
			SSJSJACB	10	
SSJSAIAD	24		SSJSJBRQ	7	01
SSJSAIFG	6	04	SSJSJDVT	42	
SSJSBYPS	7	80	SSJSJMR	1C	
SSJSCHRS	6	40	SSJSJPNM	104	
SSJSCLSS	3A		SSJSLCT	8	
SSJSCNRS	6	20	SSJSLEN	0	
SSJSCRYP	7	20	SSJSMACB	C	
SSJSDBIN	7	04	SSJSPASS	28	
SSJSDBJB	7	02	SSJSPAS2	31	
SSJSDBJI	E0		SSJSPRTY	C4	
			SSJSPSLN	28	
			SSJSPSL2	31	

Name	Hex Offset	Hex Value
SSJSPSWD	29	
SSJSPSW2	32	
SSJSRES2	AB	
SSJSRHLD	E8	
SSJSRPTD	E8	
SSJSRRSC	F0	
SSJSRTOC	F8	
SSJSSCCH	7	08
SSJSSCLS	C8	
SSJSSENV	D0	
SSJSSERR	20	
SSJSSISO	6	01
SSJSSRTK	100	
SSJSSTEP	4	
SSJSSTRS	6	80
SSJSSWAL	6	02
SSJSTACB	14	
SSJSUSER	4A	
SSJSUTOK	5A	
SSJSVER	2	
SSJSWARM	6	08
SSJSWCTK	C0	
SSJSWECB	BC	
SSJSWLM	7	10
SSJSWQTK	AC	
SSJSXBM	7	40

SSJT Information

SSJT Heading Information

Common Name: Job Termination Function
Macro ID: IEFSSJT
DSECT Name: NONE
Owning Component: Initiator/Terminator (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: ANY
 Key: KEY OF CALLER OF SSI
 Residency: ANY
Size: 22 (SSJTSIZE) BYTES
Created by: IEFSD166
Pointed to by: SSOBINDV FIELD OF THE SSOB DATA AREA
Serialization: NONE
Function: Parameter list for the subsystem interface
 Job Termination Function

SSJT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	SSJT	
0	(0)	SIGNED	2	SSJTLEN	LENGTH OF SSJT
Comment					
JOB STATUS INFORMATION					
End of Comment					
2	(2)	BITSTRING	1	SSJTFLG1	JOB STATUS FLAGS
		1... ..		SSJTJFAL	JOB FAILED INDICATOR
		.1.		SSJTCFAL	JOB FAILED BECAUSE OF CONDITION CODES
		..1.		SSJTABND	JOB ABENDED,JCTABEND=ON
		...1 1111		*	RESERVED
3	(3)	BITSTRING	1	SSJTFLG2	OTHER INFORMATION
		1... ..		SSJTINIT	INITIATOR TERMINATING BECAUSE OF INTERNAL PROBLEMS.
4	(4)	ADDRESS	4	SSJTJMR	JMR ADDRESS
8	(8)	ADDRESS	4	SSJTPCOD	PTR TO THE 2 BYTE CONDITION CODE OR ZERO
12	(C)	ADDRESS	4	SSJTPSN1	PTR TO THE STEPNAME OF THE ABENDING STEP, IF THE JOB ABENDED OR ZERO
16	(10)	ADDRESS	4	SSJTPSN2	PTR TO THE STEPNAME OF THE STEP WHICH CALLED THE PROC OR ZERO
20	(14)	ADDRESS	4	SSJTSNUM	PTR TO THE NUMBER OF THE LAST STEP TO COMPLETE EXECUTION.

SSJT Constants

Len	Type	Value	Name	Description
2	DECIMAL	12	SSOBTTERM	JOB DELETE FUNCTION ID (SSOBFUNC)
Comment				
JOB DELETION RETURN CODES (SSOBRETN)				
End of Comment				
4	DECIMAL	36	SSJTPEER	PROGRAM ERROR

SSJT Cross Reference

SSJT Cross Reference

Name	Hex Offset	Hex Value
SSJT	0	
SSJTABND	2	20
SSJTCFAL	2	40
SSJTFLG1	2	
SSJTFLG2	3	
SSJTINIT	3	80
SSJTJFAL	2	80
SSJTJMR	4	
SSJTLEN	0	
SSJTPCOD	8	
SSJTPSN1	C	
SSJTPSN2	10	
SSJTSNUM	14	

SSL Information

SSL Programming Interface information

Programming Interface information

SSL

End of Programming Interface information

SSL Heading Information • SSL Map

SSL Heading Information

Common Name: SHORT PAGE SERVICE LIST
Macro ID: IHASSL
DSECT Name: SSL
Owning Component: REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID: NONE
Storage Attributes: Virtual Storage: YES
 Subpool: USER SPECIFIED.
 Key: USER SPECIFIED.
 Residency: ANYWHERE
Size: 8 BYTES
Created by: USER
Pointed to by: REGISTER 1 (INPUT TO PAGE SERVICES)
Serialization: NONE
Function: DESCRIBES A RANGE OF VIRTUAL ADDRESSES TO BE PROCESSED BY EITHER FAST-PATH PAGE FIX OR PAGE FREE.

SSL Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	SSL	, SSLPTR	
0	(0)	ADDRESS	4	SSLSTRT	31-BIT START ADDRESS OF THE VIRTUAL AREA TO BE FIXED OR FREED. BIT 0 IS RESERVED AND MUST BE 0.	
4	(4)	BITSTRING 1...	1	SSLFLG (0) SSLAST	"X'80" IF 1, THEN THIS IS THE LAST SSL IN THE CONCATENATION OF SSLS.	
4	(4)	ADDRESS	4	SSELEND	31-BIT ADDRESS OF THE FINAL BYTE OF THE VIRTUAL AREA TO BE FIXED OR FREED PLUS ONE.	
8	(8)	SIGNED	4	SSLFINIS (0)	THIS IS THE END OF THE SSL	
8	(8)	X'8'	0	SSLEEN	"SSLFINIS-SSL" LENGTH OF AN SSL	

SSNQ Information

SSNQ Heading Information

Common Name: SSOB Extension for Dynamic Allocation Change ENQ
Macro ID: IEFSSNQ
DSECT Name: SSNQ
Owning Component: Allocation/unallocation (SC1B4)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 16 bytes for SSNQ
Created by: IEFAB4DC
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSNQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	SSNQ	
0	(0)	SIGNED	2	SSNQLEN	LENGTH OF SSNQ
2	(2)	SIGNED	2	SSNQRSV0	RESERVED
4	(4)	ADDRESS	4	SSNQDSNP	ADDR DSNAME BUFFER
8	(8)	ADDRESS	4	SSNQFLGP	ADDR FLAG FIELD
12	(C)	SIGNED	4	SSNQRSV1	RESERVED

SSNQ Constants

Len	Type	Value	Name	Description
2	DECIMAL	27	SSOBNQCD	CHANGE ENQ USE ATTRIBUTE FUNCTION ID
Comment				
CHANGE ENQ USE ATTRIBUTE RETURN CODES (SSOBRETN)				
End of Comment				
4	DECIMAL	0	SSOBNQOK	ALLRIGHT TO ENQ TO CHANGE USE ATTRIBUTE
4	DECIMAL	4	SSOBNQNO	NOT CURRENTLY POSSIBLE TO CHANGE THE ENQ USE ATTRIBUTE

SSNU Information

SSNU Programming Interface information

Programming Interface information

SSNU

End of Programming Interface information

SSNU Heading Information • SSNU Map

SSNU Heading Information

Common Name: JES Notify User Message Service SSOB Extension
Macro ID: IAZSSNU
DSECT Name: SSNU
Owning Component: JES COMMON (SC141)
Eye-Catcher ID: None
Storage Attributes: Subpool: any
 Key: any
 Residency: Virtual and real storage above or below 16M, in private storage.
Size: See SSNUSIZE
Created by: caller of SSI function 'SSOBSSNU' = 75
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None required
Function: This macro provides the mapping of the SSOB extension used to request service of the Notify User SSI to send messages to other system destinations.

SSNU Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'4B'	0	SSOBSSNU	"75" JES Notify User Function ID
Comment					
RETURN CODE VALUES FOR SSOBRETN					
End of Comment					
0	(0)	X'0'	0	SSNUOK	"0" Notify Request Successful
0	(0)	X'4'	0	SSNUOKB	"4" Notify Request Success BUT
0	(0)	X'8'	0	SSNUERR	"8" Notify Request Error see SSNUERCD for reason code
0	(0)	X'C'	0	SSNUNEX	"12" Notify no extension found
Comment					
REASON CODE VALUES FOR SSNUERCD					
End of Comment					
0	(0)	X'0'	0	SSNURQOK	"0" Notify Request Successful
0	(0)	X'4'	0	SSNUMSGT	"4" Notify Successful BUT msg truncated
0	(0)	X'8'	0	SSNUEXC	"8" Exit cancelled notify
0	(0)	X'C'	0	SSNUNUSR	"12" No userid specified
0	(0)	X'10'	0	SSNUINVD	"16" Notify Invalid destination
0	(0)	X'14'	0	SSNUIVID	"20" Invalid SSNU extension id
0	(0)	X'18'	0	SSNUIVER	"24" Invalid SSNU version
0	(0)	X'1C'	0	SSNUNOST	"28" No storage to process req
0	(0)	X'20'	0	SSNUNOAU	"32" No authorization
0	(0)	X'24'	0	SSNUMSGE	"36" Error in msg specification
0	(0)	X'28'	0	SSNUUNTK	"40" Notify successful BUT user token not allowed for unauthorized caller
0	(0)	X'2C'	0	SSNUINVE	"44" Invalid SSNU extension
0	(0)	X'30'	0	SSNUMEME	"48" Invalid member name
Comment					
SSI SSOB Extension for Notify User Message Router-SSNU					
End of Comment					
0	(0)	X'0'	0	SSNUBGN	***
0	(0)	CHARACTER	4	SSNUID	Extension Identifier
4	(4)	ADDRESS	2	SSNULEN	Length of SSOB Extensn area
6	(6)	BITSTRING	1	SSNUVER	Service Version Number
6	(6)	X'1'	0	SSNUCOVER	"1" Service Version Number of IAZSSNU - Version 4.1.0 SSNUVER MUST = SSNUCOVER
7	(7)	BITSTRING	1	SSNURSV1	Reserved
8	(8)	SIGNED	2	SSNUERCD	Reason code for Error RC
10	(A)	BITSTRING	1	SSNUFLG1	Flag Byte 1
		1...		SSNU1MLO	"X'80" Send msg IFF user log'd on
		.1..		SSNU1CON	"X'40" Send to console if uid null
11	(B)	BITSTRING	1	SSNURSV2	Reserved
12	(C)	ADDRESS	4	SSNUTKNA	Address of user token(opt)
16	(10)	CHARACTER	8	SSNUNODE	Receiving NODE name
24	(18)	CHARACTER	8	SSNUUSER	Receiving USERID

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	SIGNED	2	SSNUMLEN	Length of msg to be sent
34	(22)	SIGNED	2	SSNURSV4	Reserved
36	(24)	ADDRESS	4	SSNUMSG	Address of msg to be sent
40	(28)	CHARACTER	4	SSNUMEMB	Member name for send (JES2 only - JES3 always issues SEND from GLOBAL).
44	(2C)	SIGNED	4		Reserved for future use

Comment

To allow for compatibility between versions, add new areas here.

End of Comment

44	(2C)	X'30'	0	SSNUSIZE	"*-SSNUBGN" SSOB Extension length
44	(2C)	X'4C'	0	SSNULEN8	"SSOBHSIZ+SSNUSIZE" Total SSOB Length w/NU Ext

SSNU Cross Reference

Name	Hex Offset	Hex Value
SSNUBGN	0	0
SSNUCVER	6	1
SSNUERCD	8	
SSNUERR	0	8
SSNUEXC	0	8
SSNUFLG1	A	
SSNUID	0	E2E2D5E4
SSNUINVD	0	10
SSNUINVE	0	2C
SSNUIVER	0	18
SSNUIVID	0	14
SSNULEN	4	
SSNULEN8	2C	4C
SSNUMEMB	28	
SSNUMEME	0	30
SSNUMLEN	20	
SSNUMSG	24	
SSNUMSGE	0	24
SSNUMSGT	0	4
SSNUNEX	0	C
SSNUNOAU	0	20
SSNUNODE	10	
SSNUNOST	0	1C
SSNUNUSR	0	C
SSNUOK	0	0
SSNUOKB	0	4
SSNURQOK	0	0
SSNURSV1	7	
SSNURSV2	B	
SSNURSV4	22	
SSNUSIZE	2C	30
SSNUTKNA	C	
SSNUUNTK	0	28
SSNUUSER	18	
SSNUVER	6	
SSNU1CON	A	40
SSNU1MLO	A	80
SSOBSSNU	0	4B

SSOB Information

SSOB Programming Interface information

Programming Interface information

SSOB

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

- SSOBRETA
- SSOBRSV1

End of Programming Interface information

SSOB Heading Information • SSOB Map

SSOB Heading Information

Common Name: Subsystem Options Block Header
Macro ID: IEFSSOBH
DSECT Name: SSOB
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: SSOB
 Offset: 0
 Length: 4 bytes
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: Determined by caller of IEFSSREQ
 Key: Determined by caller of IEFSSREQ
 Data Space: No
 Residency: Any
Size: 28 bytes (decimal)
Created by: Caller of IEFSSREQ
Pointed to by: - Word pointed to by register 1 following invocation of IEFSSREQ
 - Register 1 on entry to a subsystem function routine
Serialization: None
Function: Provides the input for a subsystem function request. The combination of the SSOB, SSIB, and (optionally) an SSOB functional extension represents a subsystem function request to be directed to one or all subsystems by the Subsystem Interface.

SSOB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSOB	
0	(0)	X'0'	0	SSOBEGIN	***
0	(0)	CHARACTER	4	SSOBID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	SSOBLLEN	LENGTH OF SSOB HEADER
6	(6)	SIGNED	2	SSOBFUNC	FUNCTION ID
8	(8)	ADDRESS	4	SSOBSSIB	ADDRESS OF SSIB OR ZERO
12	(C)	SIGNED	4	SSOBRETN	RETURN CODE FROM SUBSYSTEM

Comment

THE FOLLOWING RETURN CODES WILL BE RETURNED IN REGISTER 15
 TO THE ISSUER OF THE IEFSSREQ MACRO -
 SSOBRETN CONTAINS FUNCTION-RELATED RETURN CODES
 (DEFINED IN EACH FUNCTION EXTENSION)

End of Comment

12	(C)	X'0'	0	SSRTOK	"0" SUCCESSFUL COMPLETION - REQUEST WENT TO A SUBSYSTEM.
12	(C)	X'4'	0	SSRTNSUP	"4" SUBSYSTEM DOES NOT SUPPORT THIS FUNCTION
12	(C)	X'8'	0	SSRTNTUP	"8" SUBSYSTEM EXISTS, BUT IS NOT UP
12	(C)	X'C'	0	SSRTNOSS	"12" SUBSYSTEM DOES NOT EXIST
12	(C)	X'10'	0	SSRTDIST	"16" FUNCTION NOT COMPLETED-DISASTROUS ERROR
12	(C)	X'14'	0	SSRTLERR	"20" LOGICAL ERROR (BAD SSOB FORMAT, INCORRECT LENGTH,...)
12	(C)	X'18'	0	SSRTNSSI	"24" SSI not initialized
16	(10)	SIGNED	4	SSOBINDV	FUNCTION DEPENDENT AREA POINTER
16	(10)	X'14'	0	SSOBADDL	*** START OF LENGTHENED SSOB
20	(14)	ADDRESS	4	SSOBRETA	USED BY SSI TO SAVE RETURN ADDRESS OF 31 BIT MODE CALLERS
24	(18)	BITSTRING	1	SSOBFLG1	Flag Byte
		1...		SSOBRTRY	"X'80" Retry Requested
25	(19)	CHARACTER	3	SSOBRVS1	RESERVED
25	(19)	X'1C'	0	SSOBHSIZ	**-SSOBEGIN" SSOB HEADER LENGTH

SSOB Cross Reference

Name	Hex Offset	Hex Value
SSOB	0	
SSOBADDL	10	14
SSOBEGIN	0	0
SSOBFLG1	18	
SSOBFUNC	6	
SSOBHSIZ	19	1C
SSOBID	0	E2E2D6C2
SSOBINDV	10	
SSOBLEN	4	
SSOBRETA	14	
SSOBRETN	C	
SSOBRV1	19	
SSOBRTRY	18	80
SSOBSSIB	8	
SSRTDIST	C	10
SSRTLERR	C	14
SSRTNOSS	C	C
SSRTNSSI	C	18
SSRTNSUP	C	4
SSRTNTUP	C	8
SSRTOK	C	0

SSPJ Information

SSPJ Heading Information

Common Name: Persistent JCL interface SSOB extension
Macro ID: IAZSSPJ
DSECT Name: SSPJ
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'SSPJ'
 Offset: 4
 Length: 4
Storage Attributes: Subpool: Any
 Key: Key of SSI caller
 Residency: Any
Size: See the SSPJSIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request persistent JCL functions from JES.

SSPJ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'4D'	0	SSOBPJCL	"77" Function id (SSOBFUNC)
0	(0)	X'0'	0	SSPJ	*** SSOB extension mapping - SSPJ
0	(0)	SIGNED	2	SSPJLEN	Length of extension
2	(2)	BITSTRING	1	SSPJVER	Version of mapping for caller
2	(2)	X'1'	0	SSPJCOVER	"1" Current version
3	(3)	BITSTRING	1	SSPJREQ	Request code
3	(3)	X'1'	0	SSPJREG	"1" Register request
3	(3)	X'2'	0	SSPJDREG	"2" Deregister request
3	(3)	X'3'	0	SSPJREST	"3" Restart request
3	(3)	X'4'	0	SSPJQRY	"4" Query request
4	(4)	CHARACTER	4	SSPJID	SSOB extension id - "SSPJ"
8	(8)	SIGNED	4	SSPJRSN	Reason code
12	(C)	CHARACTER	8	SSPJGRP	JES XCF group name
20	(14)	CHARACTER	8	SSPJJTOK (0)	Job token
20	(14)	CHARACTER	4	SSPJJNUM	Job number
24	(18)	CHARACTER	4	SSPJKEY	Job key
24	(18)	X'0'	0	SSPJDUMN	"0" Dummy job token - job number
24	(18)	BITSTRING	0	SSPJDUMK	"X'FFFFFFF" Dummy job token - job key
28	(1C)	CHARACTER	8	SSPJSTOK	Stoken (register only)
36	(24)	CHARACTER	8	SSPJBID	Job id (register only)
44	(2C)	BITSTRING	1	SSPJCAUS	Deregister cause
44	(2C)	X'1'	0	SSPJOTHR	"1" Other restart
44	(2C)	X'2'	0	SSPJNORS	"2" No restart
44	(2C)	X'3'	0	SSPJTIME	"3" Timeout
45	(2D)	CHARACTER	3	SSPJRSV1	Reserved for future use
45	(2D)	X'30'	0	SSPJSIZE	**-SSPJ" Length of SSPJ fixed header section

SSPJ Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBPJCL	0	4D	SSPJOTHR	2C	1
SSPJ	0	0	SSPJQRY	3	4
SSPJCAUS	2C		SSPJREG	3	1
SSPJCOVER	2	1	SSPJREQ	3	
SSPJDREG	3	2	SSPJREST	3	3
SSPJDUMK	18	FFFFFF	SSPJRSN	8	
SSPJDUMN	18	0	SSPJRSV1	2D	
SSPJGRP	C		SSPJSIZE	2D	30
SSPJID	4	E2E2D7D1	SSPJSTOK	1C	
SSPJBID	24		SSPJTIME	2C	3
SSPJKEY	18		SSPJVER	2	
SSPJJNUM	14				
SSPJJTOK	14				
SSPJLEN	0				
SSPJNORS	2C	2			

SSRB Information

SSRB Heading Information

Common Name: Suspended Service Request Block
Macro ID: IHASSRB
DSECT Name: SSRBSECT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: SSRB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 239
 Key: 0
 Residency: Above 16M line
Size: SSRBsect -- X'00B0' bytes
Created by: IEAVESPM (SRB/SSRB Pool Management)
Pointed to by: SRBFLNK field of the SRB data area
 SSRXSSRB field of the SSRX data area
 SVTGSMQ field of the SVT data area
 SVTGSPL field of the SVT data area
 SVTLSMQ field of the SVT data area
 SVTXSSRBPTR field of the SVTX data area
 SVTXTOKENPTR field of the SVTX data area
 WEBUPTR field of the WEB data area
Serialization: Owner-serialized.
Function: In conjunction with an XSB and an SSRX, the SSRB is used to save status for any type SRB.
 The data formerly in the SSRB is divided into two pieces:
 - The SSRB resides below 2G.
 - The SSRX resides above 2G.

SSRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	176	SSRBSECT	LABEL OF MAPPING.
0	(0)	CHARACTER	44	SRBSECT	
0	(0)	CHARACTER	44	SRB	
0	(0)	CHARACTER	4	SRBID	EBCDIC ACRONYM FOR SRB OR SSRB.
4	(4)	ADDRESS	4	SRBFLNK	FORWARD CHAIN FIELD
8	(8)	ADDRESS	4	SRBASCBC	ADDRESS SPACE TO BE DISPATCHED
8	(8)	CHARACTER	1	*	
9	(9)	ADDRESS	3	SRBASC24	24-bit ASCB address
12	(C)	CHARACTER	8	SRBFLC	SRB AREA MOVED TO LOW CORE
12	(C)	BITSTRING	2	SRBCPAFF	CPU AFFINITY MASK
14	(E)	SIGNED	2	SRBPASID	PURGEDQ ASID
16	(10)	ADDRESS	4	SRBPATCB	PURGEDQ TCB ADDRESS
20	(14)	ADDRESS	4	SRBEP	ENTRY POINT ADDRESS OF ASYNCHRONOUS ROUTINE
20	(14)	ADDRESS	4	SRBEPA	ENTRY POINT ADDRESS (31-BIT USERS)
		1... ..		SRBMODE	ADDRESSING MODE INDICATOR
24	(18)	ADDRESS	4	SRBRMTR	ADDRESS OF RESOURCE MGR TERMINATION ROUTINE FOR PURGEDQ
24	(18)	ADDRESS	4	SRBRMTRA	ADDRESS OF RESOURCE MGR TERMINATION ROUTINE FOR PURGEDQ (31-BIT USERS)
24	(18)	CHARACTER	1	SRBRMTR0	Byte 0 of SRBRMTR
		1... ..		SRBRMODE	ADDRESSING MODE INDICATOR
25	(19)	CHARACTER	2	*	
27	(1B)	CHARACTER	1	SRBRMTR3	Byte 3 of SRBRMTR
		1111 111.		*	
		.... ...1		SRBRMTLL	When on, the local lock will be held when control is given to the RMTR. The RMTR is allowed to release the local lock before returning, but is not required to do so.
28	(1C)	ADDRESS	4	SRBPARAM	USER PARAMETER
32	(20)	ADDRESS	4	SRBWEB	Address of this SRB's WEB. SERIALIZATION: None. OWNERSHIP: Supervisor Control
32	(20)	ADDRESS	4	SRBSAVE	Reserved. Must be Zero. SERIALIZATION: None. OWNERSHIP: Supervisor Control
36	(24)	BITSTRING	1	SRBPKF	PROTECT KEY IN HIGH ORDER 4 BITS, LOW ORDER BITS 0
37	(25)	ADDRESS	1	SRBPRIOR	PRIORITY LEVEL
37	(25)	ADDRESS	1	SRBFLGS	SRB OPTION FLAGS
		1... ..		SRBLLREQ	LOCAL LOCK REQUEST
		.1..		SRBLLHLD	LOCAL LOCK HELD
		..1.		SRBFRREQ	FRR REQUESTED

SSRB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		SRBFRRCL	THIS BIT IS OBSOLETE SINCE FRR PARM AREA IS ALWAYS CLEARED BY DISPATCHER. RETAINED FOR COMPATIBILITY
		.... 1...		SRBSUSP	SUSPENDED SRB
		.... .1..		SRBPNONQ	NONQUIESCABLE SRB
		.... ..11		*	RESERVED.
38	(26)	CHARACTER	1	SRBHLHI	INDICATION OF LOCKS HELD AT SRB SUSPENSION
39	(27)	BITSTRING	1	SRBFLGS1	SRB TYPE FLAGS.
		1...		SRBMAIN	SRB/SSRB MUST BE FREEMAINED.
		.1..		SRBSP245	SRB/SSRB FROM SUBPOOL 245.
		..1.		SRBBLK24	SRB BELOW THE LINE
		...1		SRBXESF	Mode=primary FRR - only meaningful if SRBFRRREQ is set.
		.... 1...		SRB1STS	This SSRB represents the initial schedule of a workunit and has never been dispatched.
		.... .1..		SRBPMCS	This SRB is in process must complete mode
		.... ..1.		SRBMSCHD	This SRB was scheduled via the IEAMSCHD macro
		.... ...1		SRBTOKNP	This SSRB belongs to the pool created for SUSPEND with SPTOKEN.
40	(28)	ADDRESS	4	SRBFRRRA	FRR ROUTINE ADDR
40	(28)	CHARACTER	3	*	
43	(2B)	CHARACTER	1	SRBFRRRA3	
		1111 111.		*	
		.... ...1		SRBSD31	Set this flag to indicate that the FRR can tolerate an SDWA in 31-bit storage. This is equivalent to the SETFRR SDWALOC31(YES) parameter
44	(2C)	CHARACTER	0	SRBEND	END OF SRB
44	(2C)	CHARACTER	132	SSRB	Start of SSRB portion
44	(2C)	BITSTRING	1	SSRBTYPE	Savearea for WEBSITE when PSRBs, ESRBs or CSRBs are suspended or STOPped. Ownership:Supervisor Control Serialization: WEBLOCK of the WEB associated with this SSRB
45	(2D)	CHARACTER	3	SSRBR02D	RESERVED.
48	(30)	CHARACTER	64	SSRBGPRS	GENERAL REG SAVE
48	(30)	SIGNED	4	SSRBGPR0	GENERAL REGISTER 0
52	(34)	SIGNED	4	SSRBGPR1	GENERAL REGISTER 1
56	(38)	SIGNED	4	SSRBGPR2	GENERAL REGISTER 2
60	(3C)	SIGNED	4	SSRBGPR3	GENERAL REGISTER 3
64	(40)	SIGNED	4	SSRBGPR4	GENERAL REGISTER 4
68	(44)	SIGNED	4	SSRBGPR5	GENERAL REGISTER 5
72	(48)	SIGNED	4	SSRBGPR6	GENERAL REGISTER 6
76	(4C)	SIGNED	4	SSRBGPR7	GENERAL REGISTER 7
80	(50)	SIGNED	4	SSRBGPR8	GENERAL REGISTER 8
84	(54)	SIGNED	4	SSRBGPR9	GENERAL REGISTER 9
88	(58)	SIGNED	4	SSRBGPRA	GENERAL REGISTER 10
92	(5C)	SIGNED	4	SSRBGPRB	GENERAL REGISTER 11
96	(60)	SIGNED	4	SSRBGPRC	GENERAL REGISTER 12
100	(64)	SIGNED	4	SSRBGPRD	GENERAL REGISTER 13
104	(68)	SIGNED	4	SSRBGPRE	GENERAL REGISTER 14
108	(6C)	SIGNED	4	SSRBGPRF	GENERAL REGISTER 15
112	(70)	CHARACTER	8	SSRBCPSW	CURRENT PSW
120	(78)	CHARACTER	16	SSRBPSW16	16-byte analog of SSRBCPSW
120	(78)	CHARACTER	4	*	
124	(7C)	CHARACTER	4	SSRBPSW16WORD	
		1...		SSRBPSW16_AMODE31	
128	(80)	CHARACTER	8	*	
136	(88)	CHARACTER	8	SSRBPCPUT	CPUTIMER SAVEAREA
		1...		SSRBNTMR	When set, this SSRB doesn't have any SRB Timer set. Only meaningful for preemptable-class SRBs.
144	(90)	CHARACTER	8	SSRBTIME	SRB TIME LIMIT VALUE IF THIS SRB IS BEING TIMED, OTHERWISE ZERO.
152	(98)	CHARACTER	8	SSRB_TIME_ON_CP	
160	(A0)	ADDRESS	4	SSRBXSB	SRB's accumulated CPU time on CP
164	(A4)	ADDRESS	4	SSRBSSD	ADDRESS OF EXTENDED STATUS BLOCK (XSB)
168	(A8)	ADDRESS	8	SSRBSSRXADDR	Address of this SRB's SSD, if the SSRB is queued to an SSD.
176	(B0)	CHARACTER	0	SSRBEND	Address of SSRX
					END OF SSRB.

SSRB Constants

Len	Type	Value	Name	Description
4	DECIMAL	2144	SSRB_AS_WORKAREA_LEN	This is used by - IEAVESPM - IEAVESTS which needs as much as the STSV + 14x (WorkArea). - IEAVSCHD which needs a much smaller amount.
4	CHARACTER	SSRW	SSRB_WORKAREA_EYECATCHER	
4	DECIMAL	44	SRBSIZE	
4	DECIMAL	176	SSRBLEN	

SSRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SRB	0		SSRBGPR2	38	
SRBASCB	8		SSRBGPR3	3C	
SRBASC24	9		SSRBGPR4	40	
SRBBLK24	27	20	SSRBGPR5	44	
SRBCPAFF	C		SSRBGPR6	48	
SRBEND	2C		SSRBGPR7	4C	
SRBEP	14		SSRBGPR8	50	
SRBEPA	14		SSRBGPR9	54	
SRBFLC	C		SSRBNTMR	88	80
SRBFLGS	25		SSRBPSW16	78	
SRBFLGS1	27		SSRBPSW16_AMODE31		
SRBFLNK	4			7C	80
SRBFRRR	28		SSRBPSW16WORD		
SRBFRRR3	2B			7C	
SRBFRRCL	25	10	SSRBRO2D	2D	
SRBFRRREQ	25	20	SSRBSECT	0	
SRBHLHI	26		SSRBSSD	A4	
SRBID	0		SSRBSSRXADDR	A8	
SRBLLHLD	25	40	SSRBTIME	90	
SRBLLREQ	25	80	SSRBTYPE	2C	
SRBMAIN	27	80	SSRBXSB	A0	
SRBMODE	14	80			
SRBMSCHD	27	02			
SRBPARM	1C				
SRBPASID	E				
SRBPKF	24				
SRBPMCS	27	04			
SRBPNONQ	25	04			
SRBPRIOR	25				
SRBPTCB	10				
SRBRMODE	18	80			
SRBRMTLL	1B	01			
SRBRMTR	18				
SRBRMTRA	18				
SRBRMTR0	18				
SRBRMTR3	1B				
SRBSAVE	20				
SRBSD31	2B	01			
SRBSECT	0				
SRBSP245	27	40			
SRBSUSP	25	08			
SRBTOKNP	27	01			
SRBWEB	20				
SRBXESF	27	10			
SRB1STS	27	08			
SSRB	2C				
SSRB_TIME_ON_CP					
	98				
SSRBCPSW	70				
SSRBCPUT	88				
SSRBEND	B0				
SSRBGPRA	58				
SSRBGPRB	5C				
SSRBGPRC	60				
SSRBGPRD	64				
SSRBGPRE	68				
SSRBGPRF	6C				
SSRBGPRS	30				
SSRBGPRO	30				
SSRBGPR1	34				

SSRQ Information

SSRQ Heading Information

Common Name: SSOB Extension for Re-enqueue of a Job
Macro ID: IEFSSRQ
DSECT Name: SSRQ
Owning Component: Initiator/terminator (SC1B6)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 8 bytes for SSRQ
Created by: IEFSD166
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSRQ Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	SSRQ	
0	(0)	SIGNED	2	SSRQLEN	LENGTH OF SSRQ
2	(2)	SIGNED	2	*	RESERVED
4	(4)	SIGNED	2	SSRQSTEP	STEP NUMBER
6	(6)	BITSTRING	1	SSRQFLG1	REASON FOR RE-ENQUEING
		1...		SSRQSTRS	STEP RESTART
		.1.		SSRQCHRS	CHECKPOINT RESTART
		...1.		SSRQCNRS	CONTINUE RESTART
		.... 1111		SSRQHOLD	HOLD THE JOB
				*	RESERVED
7	(7)	CHARACTER	1	*	RESERVED

SSRQ Constants

Len	Type	Value	Name	Description
2	DECIMAL	13	SSOBRENTN	REENQUEUE A JOB FUNCTION ID (SSOBFUNC)
|----- Comment -----|				
JOB REENQUEUE RETURN CODES (SSOBRETN)				
|----- End of Comment -----|				
4	DECIMAL	36	SSRQPERR	PROGRAM ERROR

SSRQ Cross Reference

Name	Hex Offset	Hex Value
SSRQ	0	
SSRQCHRS	6	40
SSRQCNRS	6	20
SSRQFLG1	6	
SSRQHOLD	6	10
SSRQLEN	0	
SSRQSTEP	4	
SSRQSTRS	6	80

SSRR Information

SSRR Programming Interface information

Programming Interface information

SSRR

End of Programming Interface information

SSRR Heading Information • SSRR Map

SSRR Heading Information

Common Name: SSOB Extension for Request/Return Job ID
Macro ID: IEFSSRR
DSECT Name: SSRR
Owning Component: JES2 (SC141)
Eye-Catcher ID: None
Storage Attributes: Subpool: User subpool
 Key: User key
 Residency: Any
Size: See SSRRSIZE equate @Z02P986
Created by: IEEMB803
 SSI caller
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.
 SSOB extension used for the REQUEST/RETURN JOBID function

SSRR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'14'	0	SSOBRQST	"20" REQUEST JOB ID FUNCTION ID(SSOBFUNC)
0	(0)	X'15'	0	SSOBRTRN	"21" RETURN JOB ID FUNCTION ID(SSOBFUNC)
Comment					
REQUEST/RETURN JOB ID RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSRROK	"0" REQUEST/RETURN SUCCESSFUL
0	(0)	X'4'	0	SSRRFAIL	"4" REQUEST/RETURN UNSUCCESSFUL
0	(0)	X'8'	0	SSRRFREQ	"8" REQUEST WITHOUT A MATCHING RETURN
0	(0)	X'C'	0	SSRRFRET	"12" RETURN WITHOUT A MATCHING REQUEST
0	(0)	X'10'	0	SSRRNOEC	"16" BAD ECB SUPPLIED ON REQUEST CALL
0	(0)	X'14'	0	SSRRPRME	"20" Parameter list error
0	(0)	X'18'	0	SSRRJLGE	"24" JESLOG specification error
0	(0)	X'24'	0	SSRRPERR	"36" PROGRAM ERROR
Comment					
ADDITIONAL DATA FOR THIS EXTENSION					
End of Comment					
0	(0)	X'0'	0	SSRRBGN	***
0	(0)	ADDRESS	2	SSRRLN	R/R EXTENSION LENGTH
Comment					
<p>-----</p> <p>To explicitly request that a joblog be created, turn on SSRRJOBLOG. A joblog will NOT be created if SSRRNJOBLOG is on. An error condition exists if both SSRRJOBLOG and SSRRNJOBLOG are on. If both are off, a joblog will be created by default.</p> <p>-----</p>					
End of Comment					
2	(2)	BITSTRING	1	SSRRFLG1	SSRR FLAG BYTE
		1...		SSRRJNMP	"X'80" INPUT JOB NAME IS PRESENT
		.1..		SSRRUASC	"X'40" USE JOB NAME IN ASCB
		..1.		SSRRSYSL	"X'20" THIS IS THE SYSTEM LOG
		...1		SSRRJOBLOG	"X'10" Allocate a joblog
		.... 1...		SSRRNJOBLOG	"X'08" Do not allocate a joblog (mutually exclusive with SSRRRELIG and SSRRNOSP)
3	(3)	ADDRESS	1	SSRRVER	VERSION OF EXTENSION
3	(3)	X'3'	0	SSRRCV	"3" Current Version
4	(4)	ADDRESS	4	SSRRSECB	REQUEST JOB ID STOP ECB POINTER
8	(8)	CHARACTER	8	SSRRJNMP	INPUT JOB NAME
16	(10)	BITSTRING	3		Reserved for future use and must be zero
19	(13)	BITSTRING	5	SSRRLOG	JESLOG control information
19	(13)	BITSTRING	1	SSRRFLG	Flags

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		SSRRELIG	"B'10000000" Spin eligible (mutually exclusive with SSRNJBL and SSRNOSP)
Comment					
<p>SSRRTIMI, SSRRTIMD and SSRRLINE are mutually exclusive. If SSRRELIG is on and none of the three is on, that implies that an operator command can be used to spin output, but there is no automatic spinning. It is an error if any of the 3 bits are on and SSRRELIG is off.</p>					
End of Comment					
		.1..		SSRRTIMI	"B'01000000" Spin on time interval
		..1.		SSRRTIMD	"B'00100000" Spin on time of day
		...1		SSRRLINE	"B'00010000" Spin upon line delta
		.... 1...		SSRRNOSP	"B'00001000" No Spin (mutually exclusive with SSRRELIG and SSRNJBL)
Comment					
EQU B'00000111' Reserved for future use					
End of Comment					
Comment					
<p>SSRRSVAL has one of the following values:</p> <ul style="list-style-type: none"> o 0 if no bit on in SSRRLFLG or just SSRRELIG or SSRNOSP is on. o Increment in minutes if SSRRTIMI on. Increment must be 10 minutes or more. o Number of minutes past midnight if SSRRTIMD on. The range is 0 through 23:59 (23 60+59). o Line delta if SSRRLINE on. The range is 500 through 999 million. 					
End of Comment					
20	(14)	SIGNED	4	SSRRSVAL	Spin value
24	(18)	ADDRESS	4	SSRRJCRP	Pointer to job correlator
28	(1C)	SIGNED	4	(7)	Reserved for future use and must be zero
28	(1C)	X'38'	0	SSRRSIZE	"*-SSRRBGN" R/R EXTENSION LENGTH
28	(1C)	X'54'	0	SSOBLNE	"SSOBSIZ+SSRRSIZE"

SSRR Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBLNE	1C	54	SSRRSIZE	1C	38
SSOBRQST	0	14	SSRRSVAL	14	
SSOBRTRN	0	15	SSRRSYSL	2	20
SSRRBGN	0	0	SSRRTIMD	13	20
SSRRCVER	3	3	SSRRTIMI	13	40
SSRRELIG	13	80	SSRRUASC	2	40
SSRRFAIL	0	4	SSRRVER	3	
SSRRFLG1	2	0			
SSRRFREQ	0	8			
SSRRFRET	0	C			
SSRRJCRP	18				
SSRRJLGE	0	18			
SSRRJNM	8	40404040			
SSRRJNMP	2	80			
SSRRJOB1	2	10			
SSRRLEN	0				
SSRRLFLG	13				
SSRRLINE	13	10			
SSRRLOG	13				
SSRRNJBL	2	8			
SSRRNOEC	0	10			
SSRRNOSP	13	8			
SSRRROK	0	0			
SSRRPERR	0	24			
SSRRPRME	0	14			
SSRRSECB	4				

SSSE Information

SSSE Heading Information

Common Name: NOTIFY SUBSYSTEM OF STEP END
Macro ID: IEFSSSE
DSECT Name: SSSE (OPTIONAL)
Owning Component: SCHEDULER (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: Subpool 230
 Key: Scheduler key
 Residency: Any
Size: LENGTH(SSSE)
Created by: IEFSD164
Pointed to by: SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization: None
Function: USED BY SCHEDULER MODULES TO INTERFACE WITH SUBSYSTEMS TO NOTIFY OF STEP END

SSSE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	SSSE	
0	(0)	SIGNED	2	SSSELEN	LENGTH OF SSSE
2	(2)	SIGNED	2	SSSERSV0	RESERVED
Comment					
FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA, NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO.					
End of Comment					
4	(4)	ADDRESS	4	SSSEPSNM	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PGM=' STATEMENT. FOR A STARTED JOB, POINTER TO THE ID, UNIT TYPE, OR 'STARTING'. (8 bytes)
8	(8)	ADDRESS	4	SSSEPPSN	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PROC=' STATEMENT (OR BLANKS). FOR A STARTED JOB, POINTER TO BLANKS. (8 bytes)
12	(C)	ADDRESS	4	SSSEPSNO	PTR TO STEP NUMBER (1 byte)
16	(10)	UNSIGNED	2	SSSESTPC	STEP COMP CODE
18	(12)	CHARACTER	1	SSSEFLG1	FLAGS
		1... ..		SSSESABD	STEP HAS ABENDED
19	(13)	CHARACTER	1	SSSERSV1	RESERVED
20	(14)	SIGNED	4	SSSESTPA	STEP ABEND CODE

SSSE Constants

Len	Type	Value	Name	Description
2	DECIMAL	84	SSOBNSSE	NOTIFY SUBSYSTEM OF STEP END
Comment				
NOTIFY SUBSYSTEM OF STEP END RETURN CODES (SSOBRETN)				
End of Comment				
4	DECIMAL	0	SSSENORM	NORMAL COMPLETION
4	DECIMAL	4	SSSEREST	RESTART JOB

SSSE Cross Reference

SSSE Cross Reference

Name	Hex Offset	Hex Value
SSSE	0	
SSSEFLG1	12	
SSSELEN	0	
SSSEPPSN	8	
SSSEPSNM	4	
SSSEPSNO	C	
SSSERSV0	2	
SSSERSV1	13	
SSSESABD	12	80
SSSESTPA	14	
SSSESTPC	10	

SSSF Information

SSSF Programming Interface information

Programming Interface information

SSSF

End of Programming Interface information

SSSF Heading Information • SSSF Map

SSSF Heading Information

Common Name: SSOB Extension for Scheduler Services SSI Extension
Macro ID: IAZSSSF
DSECT Name: SSSF (optional)
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'SSSF'
 Offset: SSSFID-SSSFBN
 Length: Length of SSSFID
Storage Attributes: Subpool: any
 Key: Key of SSI caller
 Residency: Any
Size: Header size (SSSFHSZE) + length of function dependent area (i.e. SSSFMRSZ)
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: This macro provides the mapping of the SSOB extension used to make requests of a target subsystem's Scheduler Facility Services Processor. The requests are limited to services which can affect SUBSYSTEM MAINTAINED scheduler data, e.g.SWBTU data.

SSSF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'46'	0	SSOBSFS	"70" Scheduler Facility Services
Comment					
Scheduler Facility Services SSI RETURN CODES (SSOBRETN)					
Any other values are values propagated from JES2 installation exit 45.					
End of Comment					
0	(0)	X'0'	0	SSSFOK	"0" Request processed successfully
0	(0)	X'8'	0	SSSFUERR	"8" Request rejected,see reason code
0	(0)	X'C'	0	SSSFEXTE	"12" No Extension found
0	(0)	X'10'	0	SSSFNOST	"16" No storage to process reqst
0	(0)	X'14'	0	SSSFPOST	"20" No response data received from the global
0	(0)	X'18'	0	SSSFABND	"24" Processing ABEND
Comment					
Scheduler Facility Services SSI REASON CODES (SSSFREAS)					
Any other values are values propagated from JES2 installation exit 45.					
End of Comment					
0	(0)	X'10'	0	SSSFNOJ2	"16" JES address space not up and running
0	(0)	X'14'	0	SSSFINVF	"20" Invalid function request
0	(0)	X'18'	0	SSSFINVE	"24" Invalid SSSF extension
0	(0)	X'20'	0	SSSFNOAU	"32" No authorization for request
0	(0)	X'24'	0	SSSFINRI	"36" Error processing request
0	(0)	X'28'	0	SSSFEXC	"40" Exit cancelled request
0	(0)	X'2C'	0	SSSFDISA	"44" Scheduler Services disabled
0	(0)	X'30'	0	SSSFGLBL	"48" Insufficient global level
Comment					
Scheduler Facility Services SSI FUNCTION REQUEST CODES.					
End of Comment					
0	(0)	X'4'	0	SSSFSWBM	"4" SWB modify of output desc
0	(0)	X'8'	0	SSSFSWBF	"8" SWB merge of output descriptors
0	(0)	X'C'	0	SSSFSWBC	"12" Return memory used by SWB merge function
Comment					
Scheduler Facility Services SSI Extension Header					
End of Comment					

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	SSSF BGN	***
0	(0)	CHARACTER	4	SSSFID	Acronym set to 'SSSF'
4	(4)	ADDRESS	2	SSSFLEN	SSSF SSOB extension length Equals Extension header and request dependent area
6	(6)	BITSTRING	1	SSSF RSV1	Reserved for JES2
7	(7)	BITSTRING	1	SSSFVER	Version number of IAZSSSF
7	(7)	X'3'	0	SSSF CVER	"3" Current version number of IAZSSSF - Version z/OS 1.11 SSSFVER MUST = SSSFCVER
8	(8)	SIGNED	2	SSSFREAS	SSSF Reason code
10	(A)	CHARACTER	1	SSSFREQF	Function request
11	(B)	BITSTRING	1	SSSF FLG1	Flag Byte-defined per request
12	(C)	SIGNED	4	SSSF RDA (0)	Request Dependent Area Begins here
12	(C)	X'C'	0	SSSFHSZE	** -SSSF BGN" Header size

Comment

SFS Modify Request Dependent Extension Area
Reason Codes for Scheduler Request MODIFY (SSSF MREA)

End of Comment

12	(C)	X'0'	0	SSSF MOK	"0" Modify processing successful
12	(C)	X'4'	0	SSSF MTUE	"4" Modify/Erase TU error
12	(C)	X'8'	0	SSSF MJBE	"8" Modify jobname/jobid error
12	(C)	X'C'	0	SSSF MGRP	"12" Modify groupname error
12	(C)	X'10'	0	SSSF MNOS	"16" No storage to process request
12	(C)	X'14'	0	SSSF MSCI	"20" Invalid security request (SSSF FLG1)
12	(C)	X'18'	0	SSSF MIVX	"24" Invalid modify extension
12	(C)	X'1C'	0	SSSF MTK	"28" Modify data set token error
12	(C)	X'20'	0	SSSF MNTK	"32" No data set token provided
12	(C)	X'24'	0	SSSF MJNF	"36" Job not found
12	(C)	X'28'	0	SSSF MDNF	"40" Data set not found
12	(C)	X'2C'	0	SSSF MDSB	"44" Data set busy
12	(C)	X'30'	0	SSSF MDSQ	"48" Data set on BDT/TCP queue
12	(C)	X'34'	0	SSSF MDSF	"52" Data set referenced by JECL FORMAT statement
12	(C)	X'38'	0	SSSF MSJF	"56" SJFREQ (MERGE) error
12	(C)	X'3C'	0	SSSF MSPC	"60" SWBTUREQ (SPLICE) error
12	(C)	X'40'	0	SSSF MSPT	"64" SWBTUREQ (SPLIT) error
12	(C)	X'44'	0	SSSF MSTU	"68" SWBTUREQ (RETRIEVE) error
12	(C)	X'48'	0	SSSF MSPL	"72" Spool I/O error
12	(C)	X'4C'	0	SSSF MTNU	"76" Token not useable for requested function

Comment

SSSF FLG1 bit definitions - the first two bits indicate the type of security authorization checking requested. Note that only one of the first two bits should be turned on.
These SSSF FLG1 bit definitions are only used by JES2. They are ignored by JES3.

End of Comment

1...	SSSFDEST	"B'10000000" Destination check indicator (JES2 only)
.1..	SSSFSECL	"B'01000000" Seclabel dominance check only (honored for authorized callers) (JES2 only)

SSSF Map

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

<p>SSSF1G1 bit definitions - the third bit (SSSFMTYP) indicates what type of modify data is being passed. The bit OFF indicates individual job identification data for a modify request is being passed (Job name, Job ID, Group name, etc). The bit ON indicates that a data set token is being passed, and can be used to extract the necessary data such as job name, job ID , etc. Note that the data supplied for the modify request is dependent on the setting of the bit SSSFMTYP. Data definitions below indicate the setting of SSSFMTYP that uses them. After the data fields unique to each modify type, there are data fields that are common to both types, followed by the output descriptor list information. JES3 requires SSSF1G1 have bit SSSFMTYP ON.</p>					

End of Comment					
		..1.		SSSFMTYP	"B'00100000" Modify request type OFF - Use job/group info ON - Use dataset token
12	(C)	SIGNED	4	SSSFMDTA (0)	Modify Request Type Dep Data
Comment					

<p>SSSFMTYP = OFF Job/Group information has been supplied to define the SFS Modify Request.</p>					

End of Comment					
12	(C)	CHARACTER	8	SSSFJBNM	JOBNAME
20	(14)	CHARACTER	8	SSSFJBID	JOBID
28	(1C)	CHARACTER	8	SSSFGRPN	Output group name
36	(24)	SIGNED	2	SSSFGRP1	Output group - first ID
38	(26)	SIGNED	2	SSSFGRP2	Output group - second ID
38	(26)	X'1C'	0	SSSFMDJL	"*-SSSFMDTA" Length of job/group fields
Comment					

<p>SSSFMTYP = ON Data set token has been supplied to define the SFS Modify Request.</p>					

End of Comment					

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The data set level token is returned in field STVSCTKN when a verbose output request is made using SSI 80 (Extended Status). (JES3 only)</p> <p>The address of a data set level token is returned in field SSS2DSTR for each data set returned by SSI 79 (SAP). (JES3 only)</p> <p>A client token is returned by the DYNALLOC macro. The text unit DALRTCTK (number 0071) will return an 80 byte JES Client Token at offset 6 in the text unit.</p> <p>JES3 will accept a data set level client token for a modify request.</p> <p>JES2 will accept a group level client token for a modify request.</p> <p>JES3 requires the use of SSSFMDST.</p>					
End of Comment					
12	(C)	ADDRESS	4	SSSFMDST	Addr of client token -- data set level -- JES3 -- group level -- JES2
12	(C)	X'4'	0	SSSFMDL	"*-SSSFMDTA" Len of data set token fields
16	(10)	BITSTRING	1		Extend section to common fields
Comment					
<p>The remaining fields are common to both types of modify request.</p>					
End of Comment					
40	(28)	SIGNED	4	SSSFMDCM (0)	Beginning of common modify request data fields
40	(28)	CHARACTER	8	SSSFCART	CART for WTO responses (JES2)
48	(30)	SIGNED	4	SSSFCNID	Console ID for WTO responses (JES2)
52	(34)	SIGNED	2	SSSFMREA	Error reason code for modify
54	(36)	SIGNED	2	SSSFMDR1	Reserved for IBM use
56	(38)	CHARACTER	8	SSSFMDR2	Reserved for IBM use
Comment					
<p>Output descriptor lists are in SWBTU/TU format as required by the SCHEDULER JCL facility (SJF).</p>					
End of Comment					
64	(40)	ADDRESS	4	SSSFMAD	Address of output descriptor Modify list SWBTU format
68	(44)	ADDRESS	4	SSSFERAD	Address of output descriptor Erase list in TU format
72	(48)	SIGNED	2	SSSFDLN	Length of Modify list (SWBTU)
74	(4A)	SIGNED	2	SSSFERLN	Length of Erase list (TU)
74	(4A)	X'40'	0	SSSFMRSZ	"*-SSSFRDA" Size of modify function area
Comment					
<p>SFS Merge Request Dependent Extension Area Reason Codes for Scheduler Request MERGE (SSSFFREA)</p>					
End of Comment					
12	(C)	X'0'	0	SSSFFOK	"0" Merge processing successful/ if SSOBRETN <> 0 Check SSSFWRTN, SSSFWRSN for error info.
12	(C)	X'4'	0	SSSFFDST	"4" Data Set token not given
12	(C)	X'8'	0	SSSFFDSG	"8" Data Set gone
12	(C)	X'C'	0	SSSFFDSV	"12" Failure obtaining checkpoint version (JES2 only)
12	(C)	X'10'	0	SSSFFJBG	"16" Job gone
12	(C)	X'14'	0	SSSFFSWI	"20" Invalid SWBTU buffer
12	(C)	X'18'	0	SSSFFDSE	"24" Invalid data set token
12	(C)	X'1C'	0	SSSFFGTE	"28" Invalid group token
12	(C)	X'20'	0	SSSFFNOS	"32" No storage to process reqs
12	(C)	X'24'	0	SSSFFSPL	"36" Spool I/O error
12	(C)	X'28'	0	SSSFFTNU	"40" Token not usable for requested function

SSSF Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	X'30'	0	SSSFFDSQ	"48" Data set on BDT/TCP queue (JES3)
12	(C)	X'34'	0	SSSFFDSF	"52" Data set referenced by JECL FORMAT statement (JES3)
					Comment
SSSFFLG1 bit definitions					
					End of Comment
		1...		SSSFFSWB	"B'10000000" Provide non-SWA SWBs
		.1..		SSSFCPAT	"B'01000000" Return compatibility SWBs
					Comment

Input data					

<p>The address of the group token can be zero. The address of the data set level token must be provided.</p> <p>The group token is returned by SSI 80 in field STSTCTKN</p> <p>A client token is returned by the DYNALLOC macro.</p> <p>The text unit DALRTCTK (number 0071) will return an 80 byte JES Client Token at offset 6 in the text unit.</p> <p>A Group Level client token is only valid for JES2.</p>					
					End of Comment
12	(C)	ADDRESS	4	SSSFFGTK	Addr of client token -- Group Level -JES2 only
					Comment

<p>The data set level token is returned in field STVSCTKN when a verbose output request is made using SSI 80 (Extended Status).</p> <p>The address of a data set level token is returned in field SSS2DSTR for each data set returned by SSI 79 (SAPI).</p> <p>A client token is returned by the DYNALLOC macro.</p> <p>The text unit DALRTCTK (number 0071) will return an 80 byte JES Client Token at offset 6 in the text unit.</p> <p>JES3 requires a Data Set Level client token.</p>					
					End of Comment
16	(10)	ADDRESS	4	SSSFFDTK	Addr of client token -- data set level --
					Comment

Output data					

					End of Comment
20	(14)	BITSTRING	4	SSSFFSWT	Token used for SJFREQ services.
24	(18)	ADDRESS	4	SSSFFSWU	Address of the SWBTU block.
28	(1C)	SIGNED	2	SSSFFREA	Error reason code for Merge
30	(1E)	SIGNED	2		Reserved for future use
32	(20)	SIGNED	4	SSSFWRTN	SWB Processing Error - Return Code. Reason code field SSSFWRSN also set
32	(20)	X'0'	0	SSSFWOK	"0" Processing successful
32	(20)	X'4'	0	SSSFWERR	"4" Processing failed

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

SSSFWRSN has the following values:					
SSSSCCRR where SSSSCCRR is defined as:					
SSSS Reason code from SJF service RR					
or a qualifier for a JES service error					
CC Return code from SJF service RR -					
00 if RR is 4 or 8					
RR indicates the SJF service or JES service					
4 = JES SPOOL I/O Error					
8 = JES Memory management error					
12 = SWB_MERGE					
16 = PUTSWB					
20 = JDTEXTACT					
24 = SWBTUREQ RETRIEVE					
28 = SWBTUREQ SPLICE					
32 = SWBTUREQ SPLIT					

End of Comment					
36	(24)	SIGNED	4	SSSFWRSN	SWB Processing Error - Reason code set to non- zero only if SSSFWRTN is non-zero
40	(28)	BITSTRING	1	SSSFRFLG	Returned flags
		1... ..		SSSFFIPA	"B'10000000" IP address available
41	(29)	BITSTRING	3		Reserved for future use
41	(29)	X'20'	0	SSSFFMSZ	**_SSSFRDA" Size of merge function area

SSSF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBSFS	0	46	SSSFID	0	E2E2E2C6
SSSFABND	0	18	SSSFINRI	0	24
SSSFBGN	0	0	SSSFINVE	0	18
SSSFCART	28		SSSFINVF	0	14
SSSFCNID	30		SSSFJBID	14	
SSSFCPAT	C	40	SSSFJBNM	C	
SSSFCVER	7	3	SSSFLEN	4	
SSSFDEST	C	80	SSSFMDDAD	40	
SSSFDISA	0	2C	SSSFMDCM	28	
SSSFERAD	44		SSSFMDDL	C	4
SSSFERLN	4A		SSSFMDJL	26	1C
SSSFEXC	0	28	SSSFMDLN	48	
SSSFEXTE	0	C	SSSFMDNF	C	28
SSSFFDSE	C	18	SSSFMDR1	36	
SSSFFDSF	C	34	SSSFMDR2	38	
SSSFFDSG	C	8	SSSFMDSB	C	2C
SSSFFDSQ	C	30	SSSFMDSF	C	34
SSSFFDST	C	4	SSSFMDSQ	C	30
SSSFFDSV	C	C	SSSFMdst	C	
SSSFFDTK	10		SSSFMMDTA	C	
SSSFFGTE	C	1C	SSSFMGRP	C	C
SSSFFGTK	C		SSSFMIVX	C	18
SSSFFIPA	28	80	SSSFMJBE	C	8
SSSFFJBG	C	10	SSSFMJNF	C	24
SSSFFLG1	B		SSSFMNOS	C	10
SSSFFMSZ	29	20	SSSFMNTK	C	20
SSSFFNOS	C	20	SSSFMOK	C	0
SSSFFOK	C	0	SSSFMREA	34	
SSSFFREA	1C		SSSFMRSZ	4A	40
SSSFFSPL	C	24	SSSFMSCI	C	14
SSSFFSWB	C	80	SSSFMJSJF	C	38
SSSFFSWI	C	14	SSSFMSPC	C	3C
SSSFFSWT	14		SSSFMSPSPL	C	48
SSSFFSWU	18		SSSFMSPPT	C	40
SSSFFTNU	C	28	SSSFMSTU	C	44
SSSFGLBL	0	30	SSSFMtKE	C	1C
SSSFGRPN	1C		SSSFMtNU	C	4C
SSSFGRP1	24		SSSFMtUE	C	4
SSSFGRP2	26		SSSFMtYP	C	20
SSSFHSZE	C	C	SSSFNOAU	0	20

SSSF Cross Reference

Name	Hex Offset	Hex Value
SSSFNOJ2	0	10
SSSFNOST	0	10
SSSFOK	0	0
SSSFPOST	0	14
SSSFRDA	C	
SSSFREAS	8	
SSSFREQF	A	
SSSFRFLG	28	
SSSFRSV1	6	
SSSFSECL	C	40
SSSFSWBC	0	C
SSSFSWBF	0	8
SSSFSWBM	0	4
SSSFUERR	0	8
SSSFVER	7	
SSSFWERR	20	4
SSSFWOK	20	0
SSSFWRSN	24	
SSSFWRTN	20	

SSSI Information

SSSI Heading Information

Common Name: SSOB Extension for Step Initiation
Macro ID: IEFSSSI
DSECT Name: SSSI
Owning Component: Initiator/terminator (SC1B6)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 16 bytes for SSSI
Created by: IEFSD162
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the subsystem interface.

SSSI Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	SSSI	
0	(0)	SIGNED	2	SSSILEN	LENGTH OF SSSI
2	(2)	SIGNED	2	*	RESERVED

Comment

FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA,
 NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO.

End of Comment

4	(4)	ADDRESS	4	SSSIPSNM	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PGM=' STATEMENT. FOR A STARTED JOB, POINTER TO THE ID, UNIT TYPE, OR 'STARTING'. (8)
8	(8)	ADDRESS	4	SSSIPPSN	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PROC=' STATEMENT (OR BLANKS). FOR A STARTED JOB, POINTER TO BLANKS. (8)
12	(C)	ADDRESS	4	SSSIPSNO	PTR TO STEP NUMBER(1)

SSSI Constants

Len	Type	Value	Name	Description
2	DECIMAL	22	SSOBNSSI	NOTIFY SUBSYSTEM OF STEP INITIATION

SSSM Information

SSSM Programming Interface information

Programming Interface information

SSSM

End of Programming Interface information

SSSM Heading Information • SSSM Cross Reference

SSSM Heading Information

Common Name: SUBSYSTEM ACCOUNTING PARAMETERS
Macro ID: IEFSSSM
DSECT Name: SSSM
Owning Component: System Management Facilities (SC100)
Eye-Catcher ID: None
Storage Attributes: Subpool: 241
 Key: 0
 Residency: Below
Size: 16 bytes ('10' in hex)
 FREQUENCY = 1 per subsystem
Created by: IEEMB832
Pointed to by: SSOBINDV
Serialization: None
Function: THIS MACRO MAPS ADDITIONAL INFORMATION PASSED TO
 SUBSYSTEMS AS PART OF SMF'S SET PROCESSING

SSSM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'3A'	0	SSOBSMAC	"58" SUBSYSTEM ACCOUNTING FUNCTION ID
Comment					
SUBSYSTEM ACCOUNTING RETURN CODES (SSOBRETN)					
NO ADDITIONAL SUBSYSTEM ACCOUNTING RETURN CODES DEFINED					
End of Comment					
0	(0)	X'0'	0	SSSMBGN	*** SUBSYSTEM ACCOUNTING BEGINNING
0	(0)	ADDRESS	2	SSSMLEN	SUBSYSTEM ACCOUNTING EXTENSION LENGTH
2	(2)	BITSTRING	8	SSSMFLGS	INPUT SOURCE FLAGS
		1... ..		SSSMFMFA	"X'80" SMF ACTIVE
		..1.		SSSMMEMB	"X'20" FROM PARMLIB MEMBER
		...1		SSSMRPLY	"X'10" FROM OPERATOR REPLY
		... 1...		SSSMDFLT	"X'08" FROM DEFAULT
		.... .1..		SSSMCONF	"X'04" CHANGED BY CONFLICTING OPTIONS
		.... ..1.		SSSMCHNG	"X'02" CHANGED BY IPL, SET SMF OR SETSMF
10	(A)	CHARACTER	1	SSSMOCON	OLD CONSOLE ID
11	(B)	CHARACTER	4	SSSMCNID	CONSOLE ID
15	(F)	CHARACTER	8	SSSTOKN	COMMAND & RESPONSE TOKEN
15	(F)	X'17'	0	SSSMSIZE	**SSSMBGN" EXTENSION LENGTH

SSSM Cross Reference

Name	Hex Offset	Hex Value
SSOBSMAC	0	3A
SSSMBGN	0	0
SSSMCHNG	2	2
SSSMCNID	B	
SSSMCONF	2	4
SSSMDFLT	2	8
SSSMFLGS	2	
SSSMLEN	0	
SSSMMEMB	2	20
SSSMOCON	A	
SSSMRPLY	2	10
SSSMSIZE	F	17
SSSMFMFA	2	80
SSSTOKN	F	

SSSO Information

SSSO Programming Interface information

Programming Interface information

SSSO

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

- SSSOFLG3
- SSSOFLG4
- SSSOGRID

End of Programming Interface information

SSSO Heading Information • SSSO Map

SSSO Heading Information

Common Name: SSOB Extension for Processing SYSOUT Datasets
Macro ID: IEFSSSO
DSECT Name: User specified, optional SSOBEXT if invoked including IEFJSSOB(SO),CONTIG=NO
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by invoker of IEFSSREQ
 Key: Determined by invoker of IEFSSREQ
Size: X'B0' bytes with extended SYSOUT data fields (SOEXT=YES)
 X'78' bytes without extended SYSOUT data fields
Created by: Invoker of IEFSSREQ macro
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list for the Subsystem Interface for processing sysout datasets.

SSSO Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'1'	0	SSOBFSOUT	"1" SYSOUT FUNCTION ID (SSOBFUNC)
0	(0)	X'4'	0	SSSOCVER	"4" CURRENT VERSION NUMBER OF THIS DATA AREA
0	(0)	X'3'	0	SSSODDVR	"3" VERSION SINCE WHICH DD NAME IS DEFINED IN THE SSSO EXTENSION
0	(0)	X'4'	0	SSSOGRNM	"4" FIRST VERSION IN WHICH THE SSSOOGNM, SSSOFOR8 AND SSSOACCT FIELDS SUPPORTED

Comment

PROCESS SYSOUT DATA SETS RETURN CODES (SSOBRETN)

End of Comment					
0	(0)	X'0'	0	SSSORTOK	"0" EVERYTHING IS OK
0	(0)	X'4'	0	SSSOEODS	"4" NO MORE DATA SETS TO SELECT
0	(0)	X'8'	0	SSSONJOB	"8" JOB NOT FOUND
0	(0)	X'C'	0	SSSOINVA	"12" INVALID SEARCH ARGUMENTS
0	(0)	X'10'	0	SSSOUNAV	"16" UNABLE TO PROCESS NOW
0	(0)	X'14'	0	SSSODUPJ	"20" DUPLICATE JOB NAMES
0	(0)	X'18'	0	SSSOINVJ	"24" INVALID JOBNAME/JOBID COMBINATION
0	(0)	X'1C'	0	SSSOIDST	"28" INVALID DESTINATION SPECIFIED
0	(0)	X'20'	0	SSSOAUTH	"32" AUTHORIZATION FAILED
0	(0)	X'24'	0	SSSOTKNM	"36" TOKEN MAP FAILED
0	(0)	X'0'	0	SSSOBGN	***
0	(0)	ADDRESS	2	SSSOLEN	SYSOUT EXTENSION LENGTH
2	(2)	BITSTRING	1	SSSOUFLG	USER SELECTION OPTIONS CLASS ROUTING AND DISPOSITION FLAGS
		1...		SSSOSETC	"X'80" USE SSSOCLAS AS DISPOSITION
		.1.		SSSODELC	"X'40" DELETE SELECTED DATA SET
		..1.		SSSOROUT	"X'20" REROUTE SELECTED DATA SET TO DESTINATION IN SSSODEST
		...1		SSSOHOLD	"X'10" HOLD ALL SELECTED DATA SETS
		.... 1..		SSSORLSE	"X'08" RELEASE ALL SELECTED DATA SETS

Comment

EQU X'07' RESERVED FLAGS

End of Comment					
3	(3)	BITSTRING	1	SSSOVER	VERSION NUMBER
4	(4)	BITSTRING	1	SSSOFLG1	DATA SET SELECTION CONTROL FLAGS
		1...		SSSOHLD	"X'80" SELECTION SHOULD INCLUDE HELD SYSOUT DATA SETS
		.1.		SSSOCLAS	"X'40" USE CLASS
		..1.		SSSODST	"X'20" USE REMOTE DESTINATION
4	(4)	X'20'	0	SSSODST	"SSSODST" ALTERNATE NAME FOR REMOTE DESTINATION
		...1		SSSOSJBN	"X'10" USE JOB NAME
		.... 1..		SSSOSJBI	"X'08" USE JOB ID
		.... .1.		SSSOSPGM	"X'04" USE USER WRITER PROGRAM NAME
		.... ..1.		SSSOSFRM	"X'02" USE FORM NUMBER

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
Comment						
CAUTION. IF THE SSSOSFR8 BIT IS TURNED ON AND THE JES IS NOT AT THE LEVEL WHICH SUPPORTS 8 BYTE FORMS, THEN THE CALLER WILL GET UNPREDICTABLE RESULTS. THE JES WILL USE THE 4 BYTE FORMS CODE FOR SELECTION (SINCE SSSOSFRM IS ON).						
End of Comment						
		.... 1		SSSOSFR8	"X'01" USE 8 BYTE FORM NUMBER FIELD FOR SELECTION (SSSOSFRM MUST BE ON TOO)	
5	(5)	BITSTRING	1	SSSOFLG2	CURRENT DATA SET DISPOSITION FLAGS	
		1... ..		SSSOCTRL	"X'80" 1 - PROCESSING COMPLETED 0 - RETURN DATA SET NAME	
		.1.		SSSOCHKP	"X'40" USE SSSORBA TO CHECKPOINT RBA OF CURRENT DATA SET IN CLASS	
		..1.		SSSOEXTD	"X'20" EXTENDED PROCESS SYSOUT REQUEST	
		...1		SSSOPSEE	"X'10" PROCESS SYSOUT EXTENSION EXISTS	
		.... 1...		SSSODDST	"X'08" DD NAME HAS BEEN SET IN EXT.	
		.... .111		SSSORSV3	"X'07" RESERVED FLAGS	
6	(6)	SIGNED	2	SSSOCOPY	NUMBER OF COPIES	
8	(8)	CHARACTER	8	SSSOJOBN	JOB NAME	
16	(10)	CHARACTER	8	SSSOJOBID	JOB ID	
24	(18)	CHARACTER	1	SSSOCLAS	NAME OF DESTINATION CLASS SPECIFIED VIA THE NEWCLASS PARAMETER	
25	(19)	CHARACTER	2	SSSOMLRL	MAXIMUM LOGICAL RECORD LENGTH	
27	(1B)	CHARACTER	1	SSSOFLGA	FLAG BYTE	
		1... ..		SSSOWTRN	"X'80" WRITER NAME	
		.1.		SSSOUSER	"X'40" USERID	
28	(1C)	CHARACTER	8	SSSODEST	REMOTE DESTINATION SPECIFIED VIA THE DEST PARAMETER	
36	(24)	CHARACTER	8	SSSOPGMN	USER WRITER NAME	
44	(2C)	CHARACTER	8	SSSORBA	RBA OF SYSOUT DATA SET	
52	(34)	CHARACTER	44	SSSODSN	SYSOUT DATA SET NAME	
96	(60)	CHARACTER	4	SSSOFORM	FORM NUMBER (FIRST 4 BYTES IF 8 CHARACTER NUMBER)	

Comment						
SSSOCLSL WILL CONTAIN 1-8 CLASSES WHEN USED FOR REROUTING OR DELETE FUNCTIONS AND WILL CONTAIN ONLY ONE CLASS WHEN USED FOR PRINTING.						
End of Comment						
100	(64)	CHARACTER	8	SSSOCLSL	CLASS SELECTION LIST FOR DATA SET SELECTION	
108	(6C)	ADDRESS	4	SSSOWTRC	A POINTER TO A COMMUNICATION YM02726 AREA FOR THE USER WRITTEN YM02726 WRITER YM02726	
112	(70)	CHARACTER	8	SSSODSID	DATA SET ID TO PLACE SYSOUT ON EXTERNAL DEVICES	

Comment						
PROCESS SYSOUT EXTENSION						
End of Comment						
112	(70)	X'78'	0	SSSOPSE	"" PROCESS SYSOUT EXTENSION	
120	(78)	BITSTRING	1	SSSOFLG3	BDT CONTROL BYTE	
		1... ..		SSSOSGID	"X'80" SELECT BY GROUP IDENTIFIER	
		.1.		SSSOJH	"X'40" JOB HEADER	
		..1.		SSSODSH	"X'20" DATA SET HEADER	
		...1		SSSODS	"X'10" SYSOUT DATA SET	
		.... 1...		SSSOJT	"X'08" JOB TRAILER	

Comment						
EQU X'07' RESERVED						
End of Comment						
121	(79)	BITSTRING	1	SSSOFLG4	USER JOB OPTION FLAG	
		1... ..		SSSOJDEL	"X'80" DELETE SPECIFIED JOB	
		.1.		SSSOJREL	"X'40" RELEASE SPECIFIED JOB	
		..1.		SSSOJHLD	"X'20" HOLD SPECIFIED JOB	

SSSO Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>EQU X'1F' RESERVED THE FIRST RELEASE OF SUPPORT FOR SECURITY TOKENS PROVIDED THE FIELD SSSOSECT AS THE ADDRESS OF THE SECURITY TOKEN AREA WHICH WAS TO BE PROVIDED BY THE CALLER. THERE WAS NO REQUIREMENT THAT THE CALLER PROVIDE THE LENGTH OR VERSION THAT WAS EXPECTED TO BE RETURNED. IT WAS ASSUMED THAT THE CALLER WOULD PROVIDE AN AREA LARGE ENOUGH FOR THE VERSION ONE FORM OF THE SAF TOKEN. THIS NEW SUPPORT WILL ALLOW THE CALLER TO SPECIFY THE LENGTH AND VERSION OF THE SAF TOKEN. THE TOKEN WILL BE TRANSFORMED FROM THE CURRENT VERSION AND LENGTH TO THE VERSION AND LENGTH REQUESTED BY THE CALLER VIA THE TOKENMAP SERVICE OF THE SAF INTERFACE. IN ORDER TO ALLOW MIGRATION OF PROCESS SYSOUT USERS, A TWO STAGE 'COMMIT' IS PROVIDED. THE PSO USER CAN ASK THAT THE LENGTH AND VERSION IN THE AREA POINTED TO BY SSSOSECT BE USED FOR TOKENMAP BY SETTING SSSOTKNR. IF THE JES SERVICING THE REQUEST HAS HAD THE OTHER HALF OF THIS UPDATE, IT WILL RETURN THE DATA IN THE REQUESTED FORMAT AND SET SSSOTKNG THAT SAYS IT DID SO. IF THE PROCESS SYSOUT USER DOES NOT ASK FOR THIS SERVICE, (BY NOT SETTING SSSOTKNR), THE JES WILL COPY THE TOKEN TO THE ADDRESS SPECIFIED IN SSSOSECT ASSUMING THAT THE LENGTH OF THE AREA IS THE SAME AS THE SAF VERSION ONE TOKEN LENGTH</p>					
End of Comment					
122	(7A)	BITSTRING	1	SSSOFLG5	FLAGS
		1...		SSSOTKNR	"X'80" SAF TOKEN LEN/VER SET
		.1..		SSSOTKNG	"X'40" SAF TOKEN TOKENMAPED
		..1.		SSSOGNVA	"X'20" OUTPUT GROUP NAME PROVIDED
Comment					
<p>EQU X'1F' RESERVED</p>					
End of Comment					
123	(7B)	CHARACTER	1	SSSORSV6	RESERVED
124	(7C)	CHARACTER	8	SSSOGRID	GROUP IDENTIFIER (FOR BDT TO JES3 COMMUNICATION ONLY)
132	(84)	SIGNED	4	SSSOLNCT	DATASET LINE COUNT
136	(88)	CHARACTER	8	SSSOPRCD	DATASET PROC NAME
144	(90)	CHARACTER	8	SSSOSTPD	DATASET STEP NAME
152	(98)	CHARACTER	8	SSSODDND	DATASET DD NAME
160	(A0)	ADDRESS	4	SSSOSECT	POINTER TO SECURITY TOKEN (SEE EXPLANATION OF SSSOFLG5 ABOVE)
164	(A4)	CHARACTER	8	SSSOFOR8	FORM NUMBER
Comment					
<p>THE FOLLOWING WORD (SSSOACCT) CONTAINS THE ADDRESS OF A STRING OF ACCOUNTING INFORMATION. THE MEMORY POINTED TO IS MANAGED BY THE JES SERVICING THE PSO REQUEST. THE XWTR SHOULD HAVE AMODE 31 TO ACCESS THE MEMORY. THE ACCOUNTING STRING HAS THE FOLLOWING FORMAT: AL1(NUMBER-OF-PAIRS-THAT-FOLLOW) FOLLOWED BY 0 OR MORE ACCOUNTING PAIRS ACCOUNTING PAIRS ARE OF THE FORM: AL1(LENGTH),C'STRING OF LENGTH "LENGTH" A LENGTH OF 0 INDICATES AN OMITTED FIELD</p>					
End of Comment					
172	(AC)	ADDRESS	4	SSSOACCT	ADDRESS OF ACCOUNTING STRING (OR ZERO)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>THE FOLLOWING FIELD HAS THE 26 CHARACTER JES2 JOE NAME (JOB OUTPUT ELEMENT NAME). THE STRING CAN BE USED AS GIVEN IN JES2 COMMANDS WHICH REQUIRE OUTGRP= SPECIFICATIONS. FLAG SSSOIGNVA (IN SSSOFLG5) IS SET IF THE FIELD IS VALID. THE DATA SET RETURNED WITH A GIVEN OUTPUT GROUP NAME WILL NOT NECESSARILY CONTINUE TO HAVE THE GIVEN OUTPUT GROUP NAME IF THIS REQUEST (OR A LATER REQUEST) ASKS FOR HELD DATA SETS (SSSOUFLG ON) AND DATA SET CHARACTERISTICS ARE CHANGED (VIA A NON-ZERO SSSOUFLG).</p>					
End of Comment					
176	(B0)	CHARACTER	26	SSSOIGNM	JES2 OUTPUT GROUP NAME
202	(CA)	CHARACTER	14		RESERVED FOR FUTURE USE
202	(CA)	X'D8'	0	SSSOSIZE	"*-SSSOBGN" SYSOUT EXTENSION LENGTH
202	(CA)	X'F4'	0	SSSOBLEN1	"SSSOBHSIZ+SSSOSIZE" SSOB LENGTH=HEADER + SYSOUT EXTENSION

SSSO Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSSOBLEN1	CA	F4	SSSONJOB	0	8
SSSOBSOUT	0	1	SSSOIGNM	B0	
SSSOACCT	AC		SSSOPGMN	24	
SSSOAUTH	0	20	SSSOPRCD	88	
SSSOBGN	0	0	SSSOPSE	70	78
SSSOCHKP	5	40	SSSOPSEE	5	10
SSSOCLAS	18		SSSORBA	2C	
SSSOCLSL	64		SSSORLSE	2	8
SSSOCOPY	6		SSSOROUT	2	20
SSSOCTRL	5	80	SSSORSV3	5	7
SSSOCVER	0	4	SSSORSV6	7B	
SSSODDND	98		SSSORTOK	0	0
SSSODDST	5	8	SSSOSCLS	4	40
SSSODDVR	0	3	SSSOSDST	4	20
SSSODELC	2	40	SSSOSECT	A0	
SSSODEST	1C		SSSOSETC	2	80
SSSODS	78	10	SSSOSFRM	4	2
SSSODSH	78	20	SSSOSFR8	4	1
SSSODSID	70		SSSOSGID	78	80
SSSODSN	34		SSSOSIZE	CA	D8
SSSODST	4	20	SSSOSJBI	4	8
SSSODUPJ	0	14	SSSOSJBN	4	10
SSSOEODS	0	4	SSSOSPGM	4	4
SSSOEXTD	5	20	SSSOSTPD	90	
SSSOFLGA	1B		SSSOTKNG	7A	40
SSSOFLG1	4		SSSOTKNM	0	24
SSSOFLG2	5		SSSOTKNR	7A	80
SSSOFLG3	78		SSSOUFLG	2	
SSSOFLG4	79		SSSOUNAV	0	10
SSSOFLG5	7A		SSSOUSER	1B	40
SSSOFORM	60		SSSOVER	3	
SSSOFOR8	A4		SSSOWTRC	6C	
SSSOIGNVA	7A	20	SSSOWTRN	1B	80
SSSOGRID	7C				
SSSOGRNM	0	4			
SSSOHLD	4	80			
SSSOHOLD	2	10			
SSSOIDST	0	1C			
SSSOINVA	0	C			
SSSOINVJ	0	18			
SSSOJDEL	79	80			
SSSOJH	78	40			
SSSOJHLD	79	20			
SSSOJOBI	10				
SSSOJOBN	8				
SSSOJREL	79	40			
SSSOJT	78	8			
SSSOLEN	0				
SSSO LNCT	84				
SSSO MLRL	19				

SSST Information

SSST Programming Interface information

Programming Interface information

SSST

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

- | | | | |
|---------------|-------------|-------------|------------|
| • STAFSIZE | • STATSTSP | • STJQSIZE2 | • STS3SIZE |
| • STATPERF | • STATSTTL | • STJ2SIZE | • STTRSIZE |
| • STATSTBG | • STATTKHL | • STJ3SIZE | • STVBSIZE |
| • STATSTCP | • STATTKID | • STOTSIZE | • STVBSIZ1 |
| • STATSTCP_64 | • STATTKNX | • STO2SIZE | • STVBSIZ2 |
| • STATSTHL | • STATTKPR | • STO3SIZE | • STVESIZE |
| • STATSTID | • STATTKRS | • STSCSIZE | • STVESIZ1 |
| • STATSTNX | • STATTKR2 | • STSESIZE | • STVESIZ2 |
| • STATSTNX_64 | • STATTKSN | • STSLSIZE | • STVOSIZE |
| • STATSTOR | • STATTKTK | • STSSSIZE | • STVOSIZ1 |
| • STATSTPL | • STATTRKP | • STSTSIZE | • STVOSIZ2 |
| • STATSTRP | • STJQSIZE | • STS2SIZE | • STVSSIZE |
| • STATSTRP_64 | • STJQSIZE1 | | |

End of Programming Interface information

SSST Heading Information • SSST Map

SSST Heading Information

Common Name: SSOB Extension for Extended Status
Macro ID: IAZSSST
DSECT Name: STAT
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'STAT'
 Offset: 4
 Length: 4
Storage Attributes: Subpool: any
 Key: Key of SSI caller
 Residency: Any
Size: See STATSIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request status information for jobs in the JES queue.

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STAT	SSOB extension mapping - STAT
Comment					
Extended Status return codes (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	STATRTOK	"0" Everything is ok
0	(0)	X'4'	0	STATINVA	"4" Invalid search arguments
0	(0)	X'8'	0	STATLERR	"8" Logic error (See the reason codes defined for STATREAS)
0	(0)	X'C'	0	STATINVT	"12" Unsupported call type (STATTYPE)
0	(0)	ADDRESS	2	STATLEN	I.Length of status extension
2	(2)	CHARACTER	4	STATEYE	I.Eye catcher
Comment					
<p>There are two 2 byte versions for this SSOB extension. STATVER is the version provided by the caller. They indicate the level of the control block they are passing to the service. As new input fields are added to the service, the caller provided version indicates what the service is to consider valid.</p> <p>STATVERO is the version information returned from the service. This implies what fields the service actually examined and what data is returned. If the service is at a level higher than the level of the caller, STATVERO may be higher than STATVER. In this case, only the fields valid at the STATVER level are actually examined or set.</p> <p>The 2 bytes of version information is a 1 byte level number (changed only when a new release adds significant function) and a 1 byte modifier (changed only when function is added via service).</p>					
End of Comment					
6	(6)	SIGNED	2	STATVER (0)	I.SSOB version
6	(6)	ADDRESS	1	STATVERL	I.SSOB version level
7	(7)	ADDRESS	1	STATVERM	I.SSOB version modifier
7	(7)	BITSTRING	0	STATV010	"X'0100" Initial version of macro
7	(7)	BITSTRING	0	STATV020	"X'0200" WLM support
7	(7)	BITSTRING	0	STATV030	"X'0300" Client print support
7	(7)	BITSTRING	0	STATV040	"X'0400" VERBOSE/SLOW support
7	(7)	BITSTRING	0	STATV050	"X'0500" Added fields for SDSF
7	(7)	BITSTRING	0	STATV060	"X'0600" Data set list support
7	(7)	BITSTRING	0	STATV070	"X'0700" Transaction selection
7	(7)	BITSTRING	0	STATV071	"X'0701" Transaction sel active
7	(7)	BITSTRING	0	STATV080	"X'0800" Job correlator support, 64-bit support
7	(7)	X'8'	0	STATCVRL	"8" Current version level
7	(7)	X'0'	0	STATCVRM	"0" Current version modifier
8	(8)	SIGNED	2	STATVERO	O.Subsystem version/modifier
10	(A)	SIGNED	1	STATREAS	O.Reason code associated with SSOBRETN

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Reason codes when SSOBRETN is STATRTOK (0)					
End of Comment					
10	(A)	X'4'	0	STATRLMT	"4" Processing ended due to reaching specified limit
Comment					
Reason codes when SSOBRETN is STATLERR (8)					
End of Comment					
10	(A)	X'4'	0	STATRDST	"4" One of STATDEST or STATDSTP is not a valid dest
10	(A)	X'8'	0	STATRJBL	"8" STATJBIL is not valid
10	(A)	X'C'	0	STATRJBH	"12" STATJBIH is not valid
10	(A)	X'10'	0	STATRJLM	"16" STATJBIH is less than STATJBIL
10	(A)	X'14'	0	STATRCLS	"20" One of STATCLSL or STATCLSP is not a valid job class
10	(A)	X'18'	0	STATRVOL	"24" STATSVOL is set but STATVOL is null or STATVOL specifies a volume serial name that is not valid
10	(A)	X'1C'	0	STATRPHZ	"28" One of STATPHAZ or STATPHZP is not valid or not supported on this subsystem
10	(A)	X'20'	0	STATRQUE	"32" Unable to access job queues
10	(A)	X'24'	0	STATREYE	"36" STATEYE is not set to C'STAT'
10	(A)	X'28'	0	STATRLEN	"40" STATLEN is too short
10	(A)	X'2C'	0	STATRJBN	"44" One of STATJOBN or STATJBNP is not a valid job name
10	(A)	X'30'	0	STATROWN	"48" STATOWNR is not a valid userid
10	(A)	X'34'	0	STATRSYS	"52" STATSYS is not a valid system name
10	(A)	X'38'	0	STATRMEM	"56" STATMEMB is not a valid member name
10	(A)	X'3C'	0	STATRCST	"60" STATSEL2 specifies to select only non-batch jobs and batch job class filtering (STATSCLS) was requested.
10	(A)	X'40'	0	STATROJB	"64" STATOJBI is not valid
10	(A)	X'44'	0	STATRSEC	"68" STATSECL is not valid
10	(A)	X'48'	0	STATRORG	"72" STATORGN is not valid
10	(A)	X'4C'	0	STATRXEQ	"76" STATXEQN is not valid
10	(A)	X'50'	0	STATRPRI	"80" STATPRIO is not valid
10	(A)	X'54'	0	STATRSVC	"84" STATSRVC is not valid
10	(A)	X'58'	0	STATRSEN	"88" STATSENV is not valid
10	(A)	X'5C'	0	STATRSCT	"92" STATCTKN is not valid
10	(A)	X'60'	0	STATRSCR	"96" STATSCRE is not valid
10	(A)	X'64'	0	STATRSSD	"100" One of STATSDES or STATSDSP is not valid
10	(A)	X'68'	0	STATRSSC	"104" One of STATSCLA or STATSCLP is not valid
10	(A)	X'6C'	0	STATRSXW	"108" STATSWTR is not valid
10	(A)	X'70'	0	STATRECJ	"112" STATSCTK & STATSJBI are mutually exclusive
10	(A)	X'74'	0	STATRVBM	"116" STATVRBO or STATOUTV requested with incorrect filters
10	(A)	X'78'	0	STATRBEA	"120" STATTRSA does not point to a valid STATJQ or STATSE
10	(A)	X'7C'	0	STATRSFR	"124" STATSFOR is not valid
10	(A)	X'80'	0	STATRSPR	"128" STATSPRM is not valid
10	(A)	X'84'	0	STATRSUP	"132" Function or filter not supported
10	(A)	X'88'	0	STATRSUB	"136" STATSUBR is not valid
10	(A)	X'8C'	0	STATRNEX	"140" STATTRSA points to a non-existent job
10	(A)	X'90'	0	STATRIDS	"144" STATSSDS is set with either STATSSLC or STATSSNT
10	(A)	X'94'	0	STATRTRS	"148" STATTERS or STATOUTT requested with incorrect token type (SYSOUT token)
10	(A)	X'98'	0	STATRWIL	"152" STAT1CHR = STATZOMO and not both are zero
10	(A)	X'9C'	0	STATRJIL	"156" STATSJIL is set with either STATSJBN, STATSJBI, STATSCTK, STATSTPI, STATSTPN, STATSOJD, or STATSCOR
10	(A)	X'A0'	0	STATRJIP	"160" At least one of the JOBIDs in the list pointed to by STATJBNP is not valid
10	(A)	X'A4'	0	STATRJIZ	"164" STATSJIL is set and either STATJBNN or STATJBNP is zero
10	(A)	X'A8'	0	STATRJCR	"168" STATJCRP not valid
10	(A)	X'AC'	0	STATRJCO	"172" STATSCOR is set with STATSJBI, STATSCTK or STATSJIL
10	(A)	X'BO'	0	STATRJST	"176" User specified an incorrect sequence of 31-bit and 64-bit requests
11	(B)	SIGNED	1	STATREA2	Secondary reason code. This field can be used to further qualify an error.

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					<p>Each call to extended status must specify the type of call that is being made. In general, there are 2 types of calls. The first is to obtain data, and the second (STATMEM) is to free the data areas that have been obtained. Multiple data collection calls can be made without a memory management call. Additional requests to obtain data chains new response elements to the existing queues. The data obtain calls are divided into terse (or quick) calls and verbose (or slow) calls. Terse calls return less data but have lower overhead. Verbose calls, return more detailed data and involve multiple I/O requests. For this reason, verbose calls are limited in how much data can be obtained in a single request (SSI invocation). There are a number of ways to request verbose data. To obtain verbose job level data, set STATTYPE to STATVRBO and also one of the following inputs:</p> <ul style="list-style-type: none"> - STATTRSA set to zeros and STATSJBI with STATJBIL and STATJBIH set to the same job ID (or STATJBIH set to zero). Both terse and verbose job data are returned. - STATTRSA set to zeros and STATCCK with STATCKN set to the SYSOUT token of the job you want verbose data for. Both terse and verbose job data are returned. - STATTRSA set to a STATJQ or STATSE (obtained previously with no intervening memory management call). In this case, the related STATJQ will have a verbose element (STATVE) chained in. <p>To obtain verbose SYSOUT level data, set STATTYPE to STATOUTV and one of the following inputs:</p> <ul style="list-style-type: none"> - STATTRSA set to zeros and STATSJBI with STATJBIL and STATJBIH set to the same job ID (or STATJBIH set to zero). In this case, both terse and verbose job data are returned. Also, verbose SYSOUT data is returned for all valid SYSOUT data sets (chained into the STATJQ). If the job is still executing, STATVOs for data sets that are still open may also be returned. Finally terse SYSOUT data is returned. The STATVOs are chained into the STATSEs that they are associated with. - STATTRSA set to zeros and STATCCK with STATCKN set to the SYSOUT token of the SYSOUT group for which you want verbose data. Both terse and verbose job and SYSOUT data are returned (only for the data sets represented by the token passed). - STATTRSA set to a STATJQ (obtained previously with no intervening memory management call). Similar to case 1 (STATSJBI set) verbose job data will be chained into the STATJQ, STATVOs will be obtained for all valid SYSOUT data sets, and STATSEs will be obtained for all SYSOUT groups for the job.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<p>- STATTRSA set to a STATSE (obtained previously with no intervening memory management call). Similar to case 2 (STATSCTK set) verbose job data will be obtained for the job, and all the STATVOs related to the STATSE.</p> <p>- Additional SYSOUT filters can be set (bits set in STATSSLx) when STATTRSA is set to STATJQ or STATSJBI set. The STATSE are built that match the SYSOUT filters and then STATVOs are built that correspond to each of the STATSEs.</p> <p>In addition a list of all data sets associated with a single job can be requested by setting STATTYPE to STATDLST. Since this is considered a verbose type call (I/O is required to obtain the needed information), only information about a single job can be requested (STATTRSA is supported).</p> <p>Note the following about STATDLST calls:</p> <p>- Information on all data sets is returned including instream (SYSIN) data sets, internal data sets, data set that will not print, and data sets that may have been already processed and "deleted". You can determine the type of data set being returned by examining bits in the STVSFLG1 byte.</p> <p>- One SYSOUT verbose element (STATVO) is returned per data set instance. Each STATVO will have a single SYSOUT terse section (STATSE). This includes instream (SYSIN) data sets. Data set grouping does not affect how data is returned. If JES3 is the subsystem returning information, and the data set has not been processed by output processing, the STATSE and STATSO will be mostly null (except for the data set name and token). This is because output processing is where JES3 resolves the various sources of output characteristics.</p> <p>- SYSOUT and JOB filters can be used to limit the amount of data that is returned.</p> <p>- Values for data returned will NOT always reflect attribute changes made after the data set was created (including changes made via operator command, SWB modify services, and exits).</p>					
End of Comment					
12	(C)	BITSTRING	1	STATTYPE (0)	1.Type of call
12	(C)	X'1'	0	STATTERS	"1" Request type of Terse/Quick data to include only job level data. Data returned requires no I/O on behalf of the JES.
12	(C)	X'2'	0	STATVRBO	"2" Request type Verbose/Slow data to include only job level data. Data includes that returned by the terse type of call. In addition data is returned which requires I/O on the part of the JES server (only valid for STATV040 and above callers)
12	(C)	X'3'	0	STATMEM	"3" Request type of memory management The status support provided by the JES does memory management on behalf of the caller. When the caller is finished with the results of its Verbose or Terse request, a memory management call should be made in order that the memory allocated by the JES on behalf of the caller is released.
12	(C)	X'4'	0	STATOUTT	"4" Request type of Terse/quick data to include information on SYSOUT. Data returned requires no I/O on behalf of the JES. (only valid for STATV030 and above callers)
12	(C)	X'5'	0	STATOUTV	"5" Request type Verbose/Slow data to include information on SYSOUT. Data includes that returned by the terse type of call. In addition data is returned which requires I/O on the part of the JES server (only valid for STATV040 and above callers)
12	(C)	X'6'	0	STATDLST	"6" Request data set list for a job. This request obtains verbose type information for all data sets associated with a job. This includes info on SYSIN and other internal data sets. (only valid for STATV060 and above callers)
13	(D)	ADDRESS	3		Reserved for future use and must be zero

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>STATSTRP and STATSTRP_64 are anchors for use by the subsystems that respond to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems.</p>					
End of Comment					
16	(10)	ADDRESS	4	STATSTRP	Storage management anchor for 31-bit requests
Comment					
<p>STATTRKP is a chain of diagnostic response areas built by the subsystems. It contains information about each subsystem that responds to a request (including individual return codes). It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems.</p>					
End of Comment					
20	(14)	ADDRESS	4	STATTRKP	Diagnostic response area anchor
Comment					
Begin input-only fields					
End of Comment					
24	(18)	BITSTRING	1	STATSEL1	IS.Job selection flags
		1...		STATSCLS	"B'10000000" Use STATCLSL and STATCLSP as filters (Match any one class)
		.1.		STATSDST	"B'01000000" Use STATDEST and STATDSTP as filters (Match any one dest)
		..1.		STATSJBN	"B'00100000" Use STATJOBN and STATJBNP as filters (Match any one jobname). Mutually exclusive with STATSJIL
		...1		STATSJBI	"B'00010000" Use STATJBIL and STATJBIH as filters. Mutually exclusive with STATSCTK, STATSJIL, and STATSCOR
		.... 1..		STATSOJI	"B'00001000" Use STATOJBI as a filter
		.... .1.		STATSOWN	"B'00000100" Use STATOWNR as a filter
		.... ..1		STATSSEC	"B'00000010" Use STATSECL as a filter
		.... ...1		STATSSUB	"B'00000001" Use STATSUBR as a filter (only supported by JES3)
25	(19)	BITSTRING	1	STATSEL2	IS.More Job selection flags
		1...		STATSSTC	"B'10000000" Select Started Tasks (STCs) (see note in STATSTYP)
		.1.		STATSTSU	"B'01000000" Select Time Sharing Users (TSUs) (see note in STATSTYP)
		..1.		STATSJOB	"B'00100000" Select batch jobs (JOBS) (see note in STATSTYP)
		...1		STATSAPC	"B'00010000" Select APPC Initiator (see note in STATSTYP)
Comment					
<p>B'00001111' Reserved for future JOB types and must be zero</p>					
End of Comment					
		1111 1111		STATSTYP	"B'11111111" If none of these bits is on, then selection will be as if ALL of the bits are on.
26	(1A)	BITSTRING	1	STATSEL3	IS.More job selection flags
		1...		STATSPRI	"B'10000000" Use STATPRIO as a filter
		.1.		STATSVOL	"B'01000000" Select Jobs based on the volume serial list in STATVOL
		..1.		STATSPHZ	"B'00100000" Use STATPHAZ and STATPHZP as filters (match any one phase)
Comment					
<p>Note: If the following two bits are both on or both off then the hold state of the job will not be considered.</p>					
End of Comment					
		...1		STATSHLD	"B'00010000" Select jobs which are held
		.... 1..		STATSNHL	"B'00001000" Select jobs which are not held
		.... .1.		STATSSYS	"B'00000100" Select jobs which are active on STATSYS
		.... ..1		STATSMEM	"B'00000010" Select jobs which are active on STATMEMB
		.... ...1		STATSPOS	"B'00000001" Obsolete. WLM Service queue position is always returned
27	(1B)	BITSTRING	1	STATSEL4	IS.More job selection flags
		1...		STATSORG	"B'10000000" Use STATORGN as a filter

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		STATSXEQ	"B'01000000" Use STATXEQN as a filter
		..1.		STATSSRV	"B'00100000" Use STATSRVC as a filter
		...1		STATSSEN	"B'00010000" Use STATSENV as a filter
		.... 1...		STATSCLX	"B'00001000" STATCLSL and STATCLSP filter apply only to jobs in STAT_SELECT or STAT_ONMAIN phase
		.... .1..		STATSOJD	"B'00000100" STATJOB, STATJBNP, STATJBIL and STATJBIH filters are not applied to jobs that created OUTPUT with STST1APC on. Mutually exclusive with STATSJIL
		.... ..1.		STATSQPS	"B'00000010" Always return current job position in queue (even if a special queue scan is needed).
		.... ...1		STATSJIL	"B'00000001" STATJBNP is a list of JES JOBIDs to return. Mutually exclusive with STATSJBN, STATSJBI, STATSCTK, STATSTPI, STATSTPN, STATSOJD, and STATSCOR
28	(1C)	BITSTRING	1	STATSSL1	IS.SYSOUT selection flag
		1...		STATSCTK	"B'10000000" Use STATCTKN as a filter. Mutually exclusive with STATSJBI and STATSCOR
		.1..		STATSSOW	"B'01000000" Use STATSCRE as a filter
		..1.		STATSSDS	"B'00100000" Use STATSDS and STATSDSP as filters (Match any one DEST). Mutually exclusive with STATSSLC or STATSSNT
		...1		STATSSCL	"B'00010000" Use STATSCLA and STATSCLP as filters (Match any one SYSOUT class).
		.... 1...		STATSSWR	"B'00001000" Use STATSWTR as a filter

Comment

STATSSHL and STATSSNH refer to the HOLD state of the SYSOUT. Hold in this case refers to the hold set by HOLD=YES on the DD card (or OUTDISP=HOLD/LEAVE on the OUTPUT card) or held by the operator or system.

Note: If the following two bits are both on or both off then the hold state of the SYSOUT will not be considered.

End of Comment

.... .1..	STATSSHL	"B'00000100" Select held SYSOUT
.... ..1.	STATSSNH	"B'00000010" Select non-held SYSOUT

Comment

 The following filters are only honored if the input version and the JES processing the request are at a STATV040 or higher level of support.

End of Comment

29	(1D)	BITSTRING	1	STATSSL2	IS.More SYSOUT selection
		1...		STATSSFR	"B'10000000" Use STATSFOR as a filter
		.1..		STATSSPR	"B'01000000" Use STATSPRM as a filter

Comment

Note: If the following two bits are both on or both off then the spin state of the output will not be considered.

End of Comment

..1.	STATSSP	"B'00100000" Select SPIN output
...1	STATSSNS	"B'00010000" Sel non-SPIN output

Comment

 The following filters are only honored if the input version and the JES processing the request are at a STATV050 or higher level of support.

Note: If the following two bits are both on or both off then the IP routing state of the output will not be considered.

End of Comment

.... 1...	STATSSIP	"B'00001000" Select IP routed SYSOUT
.... .1..	STATSSNI	"B'00000100" Select non-IP routed SYSO
.... ..1.	STATSSOD	"B'00000010" If on with STATSSOW, also match if SYSOUT is destined to STATSCRE on the local node

SSST Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		STATSSJD	"B'00000001" If on with STATSJBN, also match if SYSOUT is destined to STATJOB or STATJBNP on the local node. If STATSTPN on, also match if SYSOUT is destined to transaction job name on the local node. (ignored if STATSJBN off)
30	(1E)	CHARACTER	8	STATJOB	IS*.Jobname used for selection (if STATSJBN on). Additional jobnames are pointed to by STATJBNP
38	(26)	CHARACTER	8	STATJBIL	IS*.Low jobid used for selection (if STATSJBI on).
46	(2E)	CHARACTER	8	STATJBIH	IS.High jobid used for selection (if STATSJBI on). This value must be null or at least as high as STATJBIL. This value must be null if STATJBIL is generic
54	(36)	CHARACTER	8	STATOJBI	IS.Original job id for selection (if STATSOJI on).
62	(3E)	CHARACTER	8	STATOWNR	IS*.Owning userid used for selection (if STATSOJN on)
70	(46)	CHARACTER	8	STATSECL	IS*.SECLABEL used for selection (if STATSECC on)
78	(4E)	CHARACTER	18	STATDEST	IS*.Default print or punch destination value used for selection (if STATSDST on). Additional dests are pointed to by STATDSTP
96	(60)	CHARACTER	8	STATORGN	IS.Origin node name for selection (if STATSORG on)
104	(68)	CHARACTER	8	STATXEQN	IS.Execution node name for selection (if STATSEXEQ on)
112	(70)	CHARACTER	8	STATCLSL	IS.Job class used for selection. (if STATSCLS is on) The job class is 1 to 8 characters in length. Additional classes are pointed to by STATCLSP
120	(78)	CHARACTER	6	STATVOL (4)	IS.List of SPOOL volume serial numbers. When STATSVOL is on, jobs are selected if and only if the job has output on at least one of the volumes listed. (JES2 only)
144	(90)	CHARACTER	8	STATSYS	IS*.MVS system name where job is active. Used for selection if STASSYS is on
152	(98)	CHARACTER	8	STATMEMB	IS*.JES member name where job is active. Used for selection if STASMEM is on
160	(A0)	BITSTRING	1	STATPRIO	IS.Job Priority used for selection (if STATSPRI is on)
161	(A1)	ADDRESS	1	STATPHAZ	IS.Job phase. Additional phases are pointed to by STATPHZP. When STATSPHZ is on jobs are selected if and only if they are in one of the specified phases

Comment

Possible values for STATPHAZ

The following are job phases that exist when the job is running under JES3.

End of Comment

161	(A1)	X'1'	0	STAT_NOSUB	"1" No subchain exists
161	(A1)	X'2'	0	STAT_FSSCI	"2" Active in CI in an FSS address space
161	(A1)	X'3'	0	STAT_PSCBAT	"3" Awaiting postscan (batch)
161	(A1)	X'4'	0	STAT_PSCDSL	"4" Awaiting postscan (demsel)
161	(A1)	X'5'	0	STAT_FETCH	"5" Awaiting volume fetch
161	(A1)	X'6'	0	STAT_VOLWT	"6" Awaiting start setup
161	(A1)	X'7'	0	STAT_SYSSSEL	"7" Awaiting/active in MDS system select processing
161	(A1)	X'8'	0	STAT_ALLOC	"8" Awaiting resource allocation
161	(A1)	X'9'	0	STAT_VOLUAV	"9" Awaiting unavailable VOL(s)
161	(A1)	X'A'	0	STAT_VERIFY	"10" Awaiting volume mounts
161	(A1)	X'B'	0	STAT_SYSVER	"11" Awaiting/active in MDS system verify processing
161	(A1)	X'C'	0	STAT_ERROR	"12" Error during MDS processing
161	(A1)	X'D'	0	STAT_SELECT	"13" Awaiting selection on main
161	(A1)	X'E'	0	STAT_ONMAIN	"14" Scheduled on main

Comment

EQU 15 Reserved (obsolete - ASP)
EQU 16 Reserved (obsolete - ASP)

End of Comment

161	(A1)	X'11'	0	STAT_BRKDOWN	"17" Awaiting breakdown
161	(A1)	X'12'	0	STAT_RESTRT	"18" Awaiting MDS restart proc.
161	(A1)	X'13'	0	STAT_DONE	"19" Main and MDS proc. complete
161	(A1)	X'14'	0	STAT_OUTPT	"20" Awaiting output service
161	(A1)	X'15'	0	STAT_OUTQUE	"21" Awaiting output service WTR
161	(A1)	X'16'	0	STAT_OSWAIT	"22" Awaiting rsvd services
161	(A1)	X'17'	0	STAT_CMPLT	"23" Output service complete
161	(A1)	X'18'	0	STAT_DEMSEL	"24" Awaiting selection on main (demand select job)
161	(A1)	X'19'	0	STAT_EFWAIT	"25" Ending function rq waiting or i/o completion
161	(A1)	X'1A'	0	STAT_EFBAD	"26" Ending function rq not Processed
161	(A1)	X'1B'	0	STAT_MAXNDX	"27" Maximum rq index value

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The following are job phases that exist when the job is running under JES2. Phases that are common between JES2 and JES3 are listed above and commented below.</p>					
End of Comment					
161	(A1)	X'80'	0	STAT_INPUT	"128" Active in input processing
161	(A1)	X'81'	0	STAT_WTCONV	"129" Awaiting conversion
161	(A1)	X'82'	0	STAT_CONV	"130" Active in conversion
Comment					
VOLWLT EQU 6 Awaiting SETUP					
End of Comment					
161	(A1)	X'83'	0	STAT_SETUP	"131" Active in SETUP
Comment					
SELECT EQU 13 Awaiting execution ONMAIN EQU 14 Actively executing					
End of Comment					
161	(A1)	X'84'	0	STAT_SPIN	"132" Active in spin
161	(A1)	X'85'	0	STAT_WTBKDN	"133" Awaiting output
Comment					
BRKDNW EQU 17 Active in output OUTPT EQU 20 Awaiting hardcopy					
End of Comment					
161	(A1)	X'86'	0	STAT_WTPURG	"134" Awaiting purge
161	(A1)	X'87'	0	STAT_PURG	"135" Active in purge
161	(A1)	X'88'	0	STAT_RECV	"136" Active on NJE sysout receiver
161	(A1)	X'89'	0	STAT_WTXMIT	"137" Awaiting NJE transmission
161	(A1)	X'8A'	0	STAT_XMIT	"138" Active on NJE Job transmitter
Comment					
<p>The following are job phases are used for selection (STATPHAZ) and are composites of the other phases. The output field STTRPHAZ will never indicate a job is in this phase.</p>					
End of Comment					
161	(A1)	X'FD'	0	STAT_EXEC	"253" Job has not completed execution
161	(A1)	X'FE'	0	STAT_POSTEX	"254" Job has completed execution
Comment					
<p>The following fields are only honored if the input version is at least version 2 and the JES processing the request is at least at a version 2 level of support.</p>					
End of Comment					
162	(A2)	CHARACTER	8	STATSRVC	IS.WLM service class for selection (if STATSSRV is on)
170	(AA)	CHARACTER	16	STATSENV	IS*.WLM Scheduling environ for selection (if STATSENV is on)
Comment					
<p>An option byte is provided to allow the user to influence extended status processing.</p>					
End of Comment					

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
186	(BA)	BITSTRING	1	STATOPT1	I.Option byte
		1...		STAT1RAC	"B'10000000" Do seclabel dominance check
		.1.		STAT1LCL	"B'01000000" Destinations that resolve to the local node should return LOCAL/ANYLOCAL. (if off the local node name is returned)
		..1.		STAT1WSI	"B'00100000" Return one STATSE for each Work Selection Identifier returned within a job. (only supported by JES3)
		...1		STAT1LMT	"B'00010000" Limit the number of STATJQ elements returned using value set in STATJQLM
		.... 1..		STAT1NDP	"B'00001000" Suppress duplicate data sets returned in DSLIST request
		.... .1.		STAT1B64	"B'00000100" Returned areas may be obtained in 64-bit storage

Comment

The following flags will cause the extended status request to be delayed until the latest information is available from JES2. Setting these bits can result in additional processing overhead in JES2.

End of Comment

.... .1.	STAT1WMS	"B'00000010" Wait for latest MAS level information (JES2 only)
.... .1.1	STAT1WMB	"B'00000001" Wait for latest member information (JES2 only)

Comment

The following filters are only honored if the input version and the JES processing the request are at a STATV050 or higher level of support.

End of Comment

187	(BB)	BITSTRING	1	STATSSL3	IS.More SYSOUT selection
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Comment

Note: If the following two bits are both on or both off then the destination of the output will not be considered. However, either bit being on is mutually exclusive with STATSSDS being set.

End of Comment

1...	STATSSLC	"B'10000000" Select SYSOUT that is destined to the local node
.1.	STATSSNT	"B'01000000" Select SYSOUT that is not destined to the local node

Comment

EQU B'00100000' Reserved
If STATSSNJ is on, then NJE output is considered as OUTDISP of WRITE (no matter what the actual OUTDISP is)

End of Comment

...1	STATSSNJ	"B'00010000" NJE output as WRITE
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Comment

The following allow selection based on SYSOUT OUTDISP value
All bits on or all bits off imply OUTDISP is not considered

End of Comment

.... 1..	STATSWRT	"B'00001000" Select OUTDISP=WRITE
.... .1.	STATSHOL	"B'00000100" Select OUTDISP=HOLD
.... .1.	STATSKEP	"B'00000010" Select OUTDISP=KEEP
.... .1.1	STATSLVE	"B'00000001" Select OUTDISP=LEAVE

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

Comment

Instead of passing data back to the processing routine in storage obtained by the subsystem, data can be passed to a processing routine one block at a time. The processing routine is given control in AMODE 31 in the PSW key and state of the caller of the SSI. The register convention are as follows:

R0 n/a
R1 STATPARM parm list address
R2-R12 n/a
R13 Available save area
R14 return address
R15 entry address

Note: Even if you use a processing routine, you still must make a memory management call.

End of Comment

188	(BC)	ADDRESS	4	STATRTN	I.Data processing routine
192	(C0)	SIGNED	4	STATRPRM	I.Routine parameter area

Comment

Terse data area to be expanded (for STATVRBO and STATOUTV functions only). A pointer to either a STATJQ, a STATSE or zero can be specified. If zero, then a specific job must be requested either by specifying STATJBIL and STATJBIH as a single job or by specifying STATCTKN.

Note that when the terse area was returned in 64-bit storage, STATTRSA_64 should be used instead of STATTRSA.

For broadcast SSIs, if STATO164 is on, it is possible to have both 31-bit chained elements anchored from STATJOBFB and 64-bit chained elements anchored from STATJOBFB_64. In that case the caller should set STATTRSA if the job was chained to STATJOBFB, and STATTRSA_64 if the job was chained to STATJOBFB_64. For directed SSIs, a test of STATO164 is adequate to determine which field to set.

Only valid if the input version and the JES version is STATV040 or higher.

End of Comment

196	(C4)	ADDRESS	4	STATTRSA	I.STATJQ, STATSE for which verbose data is to be obtained (or zero) (31-bit)
200	(C8)	BITSTRING	1	STATSSL4	IS.More SYSOUT selection

Comment

The following filters are only honored if the input version and the JES processing the request are at a STATV071 or higher level of support.

End of Comment

1..	....			STATSTPN	"B'10000000" Match STATJOBFB and STATJBNP to transaction job names (if STATSOJD is on for JES2) Mutually exclusive with STATSJIL
.1..	....			STATSTPI	"B'01000000" Match STATJBIL and STATJBIH to transaction job IDs (if STATSOJD is on for JES2). If on, STATJBIL and STATJBIH can be EBCDIC characters (A-Z, 0-9). Mutually exclusive with STATSJIL
..1.	....			STATSTPU	"B'00100000" Match STATOWNR to transaction owner

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>-----</p> <p>STATSSJ1 has the identical meaning as STATSSJD except the jobname match will be made against the first jobname only , the one supplied in STATJOBN.</p> <p>-----</p>					
End of Comment					
	...1	....		STATSSJ1	"B'00010000" See explanation above
Comment					
<p>-----</p> <p>Specify STAT1CHR and STATZOMO to tell the SSI service what characters in selection EBCDIC strings are considered wild cards. If STAT1CHR and STATZOMO are not specified, the default wild cards used are "?" for STAT1CHR and " " for STATZOMO. If either value is not X'00', i.e. if either is specified, then both provided values are used even if one value is X'00'. It is an error to specify equal values for STAT1CHR and STATZOMO unless the equal values are X'00'. If both X'00', the default values are used.</p> <p>-----</p>					
End of Comment					
201	(C9)	CHARACTER	1	STAT1CHR	I.Wild card matching exactly one character
202	(CA)	CHARACTER	1	STATZOMO	I.Wild card matching 0 or more characters
Comment					
<p>-----</p> <p>The following filters are only honored if the input version and the JES processing the request are at a STATV080 or higher level of support.</p> <p>-----</p>					
End of Comment					
203	(CB)	BITSTRING	1	STATSEL5	IS.More job selection flags
		1... ..		STATSCOR	"B'10000000" Use STATJCRP as a pointer to job correlator filter. Mutually exclusive with STATSJBI, STATSTCK and STATSJIL
204	(CC)	SIGNED	4	STATJQLM	I.Limit on how many STATJQs can be returned on this call (if STAT1LMT set)
208	(D0)	SIGNED	4		Reserved for future use and must be zero
Comment					
<p>-----</p> <p>Begin output-only fields NOTE: When STATO164 is set on return, the 64-bit versions of the chaining fields should be used. For broadcast SSIs, if STATO164 is on, it is possible to have both 31-bit chained elements anchored from STATJOBF and 64-bit chained elements anchored from STATJOBF_64. In that case the caller should check both queue heads and use the appropriate chain pointers based on which queue is being processed at the time.</p> <p>-----</p>					
End of Comment					
212	(D4)	ADDRESS	4	STATJOBF	O.Address of first Job Queue Element (31-bit)
216	(D8)	SIGNED	4	STATNRJQ	O.Number of jobs found
220	(DC)	SIGNED	4	STATNRSE	O.Number of SYSOUT elements found
224	(E0)	DBL WORD	8	STATPERF	O.Performance index for last performed request
232	(E8)	BITSTRING	1	STATOFG1	O.Output flags
		1... ..		STATO1CP	"B'10000000" Information was obtained from a copy of the JOB or output queue
		.1..		STATO164	"B'01000000" The request to use 64-bit storage for returned areas was honored.
233	(E9)	BITSTRING	3		Reserved for future use and must be zero.
236	(EC)	ADDRESS	4	STATOHLA	O.IAZOHLA table for processing STSTHRSN
240	(F0)	ADDRESS	4	STATOHIX	O.IAZOHLX index table for processing STSTHRSN

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
244	(F4)	SIGNED	4		Reserved for future use and must be zero.
248	(F8)	ADDRESS	8	STATJOB_64	O.Address of first Job Queue Element (64-bit)
256	(100)	ADDRESS	4	STATPHTP	O.Ptr to table for processing STTRPHAZ
260	(104)	ADDRESS	4	STATJDTP	O.Ptr to table for processing STSCAHL and STSCAHL2
264	(108)	SIGNED	4	(2)	Reserved for future use and must be zero.

Comment

STATSTRP and STATSTRP_64 are anchors for use by the subsystems that respond to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems. Note that it is possible for elements on STATSTRP_64 to reside in 31-bit storage if 64-bit storage is unavailable (for example, due to MEMLIM constraint)

End of Comment

272	(110)	ADDRESS	8	STATSTRP_64	Storage management anchor for 64-bit storage requests
280	(118)	DBL WORD	8	(0)	Ensure size Dword aligned
280	(118)	X'118'	0	STATSIZ1	**-'STAT' Original size of SSOB extension
280	(118)	X'118'	0	STATSIZ2	**-'STAT' Version 2 size of SSOB extension

Comment

Begin SYSOUT input only fields
The following fields are only honored if the input version and the JES processing the request are at a STATV030 or higher level of support.

End of Comment

280	(118)	ADDRESS	4	STATCTKN	IS. Address of client token for selection (if STATSCTK on).
284	(11C)	CHARACTER	8	STATSCRE	IS*.SYSOUT owner (creator) for selection (if STATSSOW is on).
292	(124)	CHARACTER	18	STATSDES	IS*.SYSOUT destination for selection (if STATSSDS is on). Additional destinations pointed to by STATDSDP
310	(136)	CHARACTER	8	STATSCLA	IS. SYSOUT class for selection (if STATSSCL is on). The SYSOUT class is 1 to 8 characters in length. Additional classes pointed to by STATSCLP
318	(13E)	CHARACTER	8	STATSWTR	IS*.SYSOUT writer name for selection (if STATSSWR is on).

Comment

The following fields are only honored if the input version and the JES processing the request are at a STATV040 or higher level of support.

End of Comment

326	(146)	CHARACTER	8	STATSFOR	IS*.SYSOUT forms name for selection (if STATSSFR is on).
334	(14E)	CHARACTER	8	STATSPRM	IS*.SYSOUT PRMODE for selection (if STATSSPR is on).
342	(156)	BITSTRING	2		Reserved for future use and must be zero
344	(158)	CHARACTER	8	STATSUBR	IS*.Submitting userid used for selection (if STATSSUB is on) JES3 only

Comment

The following fields are only honored if the input version and the JES processing the request are at a STATV050 or higher level of support.

Additional input filter values
Each additional filter is a count followed by a pointer to a list of values. Any one value (of a type) that matches is considered passing. You must place the first value in the base field. Failure to do so will result in an invalid parameter error. For example, to filter on the job classes A, B, C, or D you would set:
STATCLSL = C'A ' First class to filter on
STATCLSN = F'3' Number of additional classes
STATCLSP = A(CLASSLST) Pointer to class list
CLASSLST = CL8'B ',CL8'C ',CL8'D '
List of 3 additional 8 byte

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
classes					
End of Comment					
352	(160)	SIGNED	4	STATCLSN	IS.Additional job class
356	(164)	ADDRESS	4	STATCLSP	count and pointer to 8 byte STATCLSL ext
360	(168)	SIGNED	4	STATJBNN	IS*.Additional job name
364	(16C)	ADDRESS	4	STATJBNP	count and pointer or jobid count and list (8 byte entries)
368	(170)	SIGNED	4	STATDSTN	IS*.Additional job dest
372	(174)	ADDRESS	4	STATDSTP	count and pointer to 18 byte STATDEST ext
376	(178)	SIGNED	4	STATPHZN	IS.Additional job phase
380	(17C)	ADDRESS	4	STATPHZP	count and pointer to 1 byte STATPHAZ ext
384	(180)	SIGNED	4	STATSCLN	IS.Additional SYSOUT class
388	(184)	ADDRESS	4	STATSCLP	count and pointer to 8 byte STATSCLA ext
392	(188)	SIGNED	4	STATSDSN	IS*.Additional SYSOUT dest
396	(18C)	ADDRESS	4	STATSDSP	count and pointer to 18 byte STATSEDES ext
400	(190)	ADDRESS	4	STATJCRP	IS*.Address of job correlator for selection (if STATSCOR is ON)
404	(194)	SIGNED	4		Reserved for future use and must be zero

Comment

Terse data area to be expanded for 64-bit callers.
See STATTRSA for usage.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
End of Comment					
408	(198)	ADDRESS	8	STATTRSA_64	I.STATJQ, STATSE for which verbose data is to be obtained (or zero) for 64-bit calls
416	(1A0)	SIGNED	4	(10)	Reserved for future use and must be zero
416	(1A0)	X'1C8'	0	STATSIZ3	**-.STAT" Version 3 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZ4	**-.STAT" Version 4 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZ5	**-.STAT" Version 5 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZ6	**-.STAT" Version 6 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZ7	**-.STAT" Version 7 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZ8	**-.STAT" Version 8 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZ9	**-.STAT" Version 9 size of SSOB extension
416	(1A0)	X'1C8'	0	STATSIZE	**-.STAT" Length of enhanced status SSOB ext
416	(1A0)	X'1E8'	0	SSSTLEN8	"((SSOBHSIZ+7)/8)*8+STATSIZE" Total length of SSOB with ST SSOB Extension

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	STATSTID	Full eyecatcher
8	(8)	ADDRESS	2	STATSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	STATSTSP	Subpool of area
12	(C)	X'E6'	0	STATSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	STATSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	STATSTNX	Pointer to next area
20	(14)	ADDRESS	4	STATSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	STATSTBG (0)	Start of data area (31-bit compatibility)
24	(18)	ADDRESS	8	STATSTNX_64	Pointer to next area (64-bit)
32	(20)	ADDRESS	8	STATSTCP_64	Pointer to 1st available byte in this area (64-bit)
40	(28)	ADDRESS	4	STATSTB2 (0)	Start of data area (version 2)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATTRAK	, Diagnostic data DSECT
0	(0)	CHARACTER	8	STATTKID	Full eyecatcher
8	(8)	ADDRESS	2	STATTKHL	Length of header area
10	(A)	BITSTRING	2	STATTKVR	Copy of STATVERO
12	(C)	ADDRESS	4	STATTKNX	Address of next area
16	(10)	CHARACTER	4	STATTKSN	Subsystem name
20	(14)	SIGNED	1	STATTKRS	Copy of STATREAS
		1111 1111		STATTKSK	"X'FF" Reason code if member skipped
21	(15)	SIGNED	1	STATTKR2	Copy of STATREA2
22	(16)	BITSTRING	2		Reserved for future use
24	(18)	BITSTRING	8	STATTKTK	Token for use by subsystem
32	(20)	DBL WORD	8	STATTKPR	Copy of STATPERF
32	(20)	X'28'	0	STATTKND	*** End of area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATPARM	, Routine parm list
0	(0)	SIGNED	2	STATPSIZ	Size of parameter list
2	(2)	BITSTRING	2	STATPVER	Copy of STATVERO
4	(4)	SIGNED	4	STATPPRM	Parm passed in STATRPRM
8	(8)	SIGNED	4	STATPWRK	Work area

Comment

One of the following pointers will always be set, but not both. Before checking STATPELM_64, STATPSIZ should also be checked to ensure that the parameter list is large enough to contain that field.

End of Comment

12	(C)	ADDRESS	4	STATPELM	Addr of Job Queue Element (31-bit request)
16	(10)	ADDRESS	8	STATPELM_64	Addr of Job Queue Element (64-bit request)
16	(10)	X'18'	0	STATPLEN	**-STATPARM" Length of area

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQ	, Job data section prolog
0	(0)	CHARACTER	4	STJQEYE	Eye catcher
4	(4)	ADDRESS	2	STJQOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STJQNEXT	Address of next Job Queue Element
12	(C)	ADDRESS	4	STJQSE	Address of first SYSOUT element
16	(10)	CHARACTER	4	STJQOSS	Name of Subsystem which created this Job Queue Element
20	(14)	ADDRESS	4	STJQVRBO	Address of JOB level verbose section
24	(18)	ADDRESS	4	STJQSVRB	Address of 1st SYSOUT verbose data element
24	(18)	X'1C'	0	STJQSIZ1	**-STATJQ" Size of prologue (version 1)
28	(1C)	SIGNED	4		Reserved for future use
32	(20)	ADDRESS	8	STJQNEXT_64	Address of next Job Queue Element (64-bit request)
40	(28)	ADDRESS	8	STJQSE_64	Address of first SYSOUT element (64-bit request)
48	(30)	ADDRESS	8	STJQVRBO_64	Address of JOB level verbose section (64-bit request)
56	(38)	ADDRESS	8	STJQSVRB_64	Address of 1st SYSOUT verbose data element element (64-bit request)
56	(38)	X'40'	0	STJQSIZ2	**-STATJQ" Size of prologue (version 2)
56	(38)	X'40'	0	STJQSIZE	**-STATJQ" Current size of prologue

Comment

Section type flags
General conventions for section number assignment
Bits Value meaning

```
-----
0-1 00 job level section
    01 SYSOUT level section
2 0 quick/terse data section
  1 slow/verbose data section
3-7 00000 overall header section
   xxxx section number
```

End of Comment

....	....	STHD1HDR	"B'00000000"	First Header Section type
....	...1	STTRTERS	"B'00000001"	Job level terse section
....	..1.	STJ2TERS	"B'00000010"	JES2 Terse section type
....	..11	STAFFIN	"B'00000011"	Affinity section type
....	..1.	STSCHEM	"B'00000100"	Scheduling section
....	..1.1	STSECLAF	"B'00000101"	SECLABEL affinity section
....	..11.	STJ3TERS	"B'00000110"	JES3 Terse section type
..1.	....	STJV1HDR	"B'00100000"	First job verbose section
..1.	...1	STVBVRBO	"B'00100001"	Job level verbose section
..1.	..1.	STV2VRBO	"B'00100010"	JES2 verbose section type
..1.	..11	STV3VRBO	"B'00100011"	JES3 verbose section type
..1.	..1.	STSESEC	"B'00100100"	Security section
..1.	..1.1	STACACCT	"B'00100101"	Accounting section
..1.	....	STSH1HDR	"B'01000000"	First SYSOUT section type
..1.	...1	STSTTERS	"B'01000001"	SYSOUT level terse section
..1.	..1.	STS2TERS	"B'01000010"	JES2 SYSOUT section
..1.	..11	STS3TERS	"B'01000011"	JES3 SYSOUT section
..1.	..1.1	STSATERS	"B'01000101"	Transaction (APPC) SYSOUT terse section
..11.	....	STSV1HDR	"B'01100000"	1st SYSOUT verbose section

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.11. ...1		STVSVRBO	"B'01100001" SYSOUT level verbose sect
		.11. ..1.		STO2VRBO	"B'01100010" JES2 verbose section type
		.11. ...11		STO3VRBO	"B'01100011" JES3 verbose section type
		.11. .1..		STSOSEC	"B'01100100" Security section
		.11. .1.1		STOTAPPC	"B'01100101" Transaction (APPC) SYSOUT section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQHD	, Job data section header
0	(0)	ADDRESS	2	STHDLEN	Length of entire job header (Max value is 65535)
2	(2)	ADDRESS	1	STHDTYPE	Type of this header
3	(3)	ADDRESS	1	STHDMOD	Modifier
3	(3)	X'0'	0	STHD1MOD	"0" First Header Section modifier
3	(3)	X'4'	0	STHDSIZE	""-STATJQHD" Size of First Header Section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQTR	, Job data terse section
0	(0)	ADDRESS	2	STTRLEN	Length of terse section
2	(2)	ADDRESS	1	STTRTYPE	Type of this header
3	(3)	ADDRESS	1	STTRMOD	Modifier
3	(3)	X'0'	0	STTRTMOD	"0" Terse section modifier
4	(4)	CHARACTER	8	STTRNAME	Job Name
12	(C)	CHARACTER	8	STTRJID	Job Identifier
20	(14)	CHARACTER	8	STTROJID	Original Job Identifier
28	(1C)	CHARACTER	8	STTRCLAS	Job Class
36	(24)	CHARACTER	8	STTRONOD	Origin Node (node of submittal)
44	(2C)	CHARACTER	8	STTRXNOD	Execution Node
52	(34)	CHARACTER	8	STTRPRND	Default Print Node
60	(3C)	CHARACTER	8	STTRPRRE	Default Print Remote Name
68	(44)	CHARACTER	8	STTRPUND	Default Punch Node
76	(4C)	CHARACTER	8	STTRPURE	Default Punch Remote Name
84	(54)	CHARACTER	8	STTROUID	Owner userid
92	(5C)	CHARACTER	8	STTRSECL	SECLABEL for job
100	(64)	CHARACTER	8	STTRSYS	MVS system on which the job is active (blanks if not active)
108	(6C)	CHARACTER	8	STTRMEM	JES2 member on which the job is active (blanks if not active)
116	(74)	CHARACTER	18	STTRDEVN	Name of device job is active on (if job is active on a device)
134	(86)	ADDRESS	1	STTRPHAZ	Phase job is in (see STAT_ equates for an enumeration)
135	(87)	ADDRESS	1	STTRHOLD	Job hold indicator
135	(87)	X'1'	0	STTRJNHL	"1" Job is not held
135	(87)	X'2'	0	STTRJHLD	"2" Job is held
135	(87)	X'3'	0	STTRJDUP	"3" Job held for duplicate job name
136	(88)	ADDRESS	1	STTRJTYP	Job type
136	(88)	X'1'	0	STTRSTC	"1" Started Task (STC)
136	(88)	X'2'	0	STTRTSU	"2" Time Sharing User (TSU)
136	(88)	X'3'	0	STTRJOB	"3" Batch job (JOB)
136	(88)	X'4'	0	STTRAPPC	"4" APPC Initiator
137	(89)	BITSTRING	1	STTRPRIO	Job priority
138	(8A)	BITSTRING	1	STTRARMS	Jobs ARM status
		1...		STTRARMR	"B'10000000" Job is ARM registered
		.1..		STTRARMW	"B'01000000" Job is awaiting ARM restart
139	(8B)	BITSTRING	1	STTRMISC	Miscellaneous indicators
		1...		STTRMSPN	"B'10000000" JESLOG is spinable
		.1..		STTRPEOM	"B'01000000" JOB is being processed for End of Memory
		..1.		STTRJCLD	"B'00100000" JESJCLIN dataset avail
		...1		STTRSISL	"B'00010000" MVS SYSLOG job

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>STTRMXRC describes how a job terminated. In the cases where the job actually ran, the STTRMXCC value is dependent on the JOBRC= value specified for the job. By default it is the highest return code of any step that executed. However, it can be the return code of a specific step or the last step executed. If STTRMXCC is not the highest return code for the job, then STTRXREQ will be set. STTRMXRC consists of a 1 byte indicator of how the job completed followed by a 3 byte code. The code is available only for conditions followed by a '+' sign. The contents of the 3 byte code is based on the 2 bits STTRXAB and STTRXCDE. Do NOT use the 1 nibble completion type to interpret the 3 byte code value.</p> <p>If STTRXAB is on, then the 3 byte code is an ABEND code. In this case, either the first 12 bits of STTRMXCC are set to the System ABEND code or the last 12 bits are set to the user ABEND code.</p> <p>If STTRXCDE is on then the 3 byte code is a return code. In this case, a return code is in the last 12 bits of STTRMXCC</p>					
End of Comment					

140	(8C)	SIGNED	4	STTRMXRC (0)	JOB return code
140	(8C)	BITSTRING	1	STTRXIND	Job completion indicator
		1...		STTRXAB	"X'80" ABEND code exists
		.1..		STTRXCDE	"X'40" Completion code exists
		..1.		STTRXREQ	"X'20" JOBRC completion code set
		.... 1111		STTRXINM	"X'0F" Mask to extract completion type
140	(8C)	X'0'	0	STTRXUNK	"0" No completion info
140	(8C)	X'1'	0	STTRXNRM	"1" Job ended normally +
140	(8C)	X'2'	0	STTRXCC	"2" Job ended by CC +
140	(8C)	X'3'	0	STTRXJCL	"3" Job had a JCL error
140	(8C)	X'4'	0	STTRXCAN	"4" Job was canceled
140	(8C)	X'5'	0	STTRXABN	"5" Job ABENDEd +
140	(8C)	X'6'	0	STTRXCAB	"6" Converter ABENDEd
140	(8C)	X'7'	0	STTRXSEC	"7" Security error
140	(8C)	X'8'	0	STTRXEOM	"8" Job failed in EOM +
140	(8C)	X'9'	0	STTRXCNV	"9" Converter error
140	(8C)	X'A'	0	STTRXSYS	"10" System failure
141	(8D)	BITSTRING	3	STTRMXCC	Completion code (set for '+' conditions)
144	(90)	SIGNED	4	STTRQPOS	Position of job on class queue or phase queue
148	(94)	SIGNED	4	STTRJNUM	Binary job number
152	(98)	CHARACTER	8	STTRSPUS	Percent SPOOL utilization format: xxx.xxxx Value ***.**** if unknown
160	(A0)	CHARACTER	8	STTRSLOG	If this is a SYSLOG job (STTRSYSL is on) MVS system name log is for
168	(A8)	CHARACTER	64	STTRJCOR	Job correlator
232	(E8)	SIGNED	4	STTRSPAC	Number of track groups of spool space used by this job (if set to -1 then count not available)
232	(E8)	X'EC'	0	STTRSIZE	"*-STATJQTR" Size of Terse Information

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJ2TR	, JES2 terse data area
0	(0)	ADDRESS	2	STJ2LEN	Length of JES2 terse section
2	(2)	ADDRESS	1	STJ2TYPE	Type of this header
3	(3)	ADDRESS	1	STJ2MOD	Modifier
3	(3)	X'0'	0	STJ2TMOD	"0" JES2 Terse section modifier
4	(4)	BITSTRING	1	STJ2FLG1	General flag byte
		1...		STJ21PRO	"B'10000000" Job is protected
		.1..		STJ21IND	"B'01000000" Job is set to independent mode
		..1.		STJ21SYS	"B'00100000" Job represents a system data set
		...1		STJ21CNW	"B'00010000" Job can be converted only by CNVT PCEs that can wait for OS resources
		.... 1...		STJ21RBL	"B'00001000" Job on the rebuild queue
5	(5)	BITSTRING	3		Reserved for future use
8	(8)	BITSTRING	4	STJ2JKEY	Job key

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	BITSTRING	8	STJ2SPOL	Spool data token
20	(14)	SIGNED	4	STJ2SPAC	Number of track groups of spool space used job Deprecated - use STTRSPAC
24	(18)	SIGNED	2	STJ2DPNO	Print default node (binary)
26	(1A)	SIGNED	2	STJ2DPRM	Print default rmt (binary)
28	(1C)	CHARACTER	8	STJ2DPUS	Print default userid
36	(24)	SIGNED	2	STJ2INPN	Origin node (binary)
38	(26)	SIGNED	2	STJ2XEQN	Execution node (binary)
40	(28)	SIGNED	4	STJ2JQEI	JQE index
44	(2C)	BITSTRING	1	STJ2OFSL	SPOOL offload select mask
45	(2D)	BITSTRING	1	STJ2BUSY	JQE busy byte
45	(2D)	X'2E'	0	STJ2SIZE	**-STATJ2TR" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATAFFS	, Member affinity data area
0	(0)	ADDRESS	2	STAFLEN	Length of affinity section
2	(2)	ADDRESS	1	STAFATYPE	Type of this header
3	(3)	ADDRESS	1	STAFMOD	Modifier
3	(3)	X'0'	0	STAFMOD	"0" Affinity section modifier
4	(4)	ADDRESS	2	STAFNUM	Number of member names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STAFMEMB (0)	First member name
8	(8)	X'8'	0	STAFSIZE	**-STATAFFS" Length of basic section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSCHD	, Scheduling data area
0	(0)	ADDRESS	2	STSCLEN	Length of scheduling data
2	(2)	ADDRESS	1	STSCATYPE	Type of this header
3	(3)	ADDRESS	1	STSCMOD	Modifier
3	(3)	X'0'	0	STSCMOD	"0" Scheduling data modifier
4	(4)	BITSTRING	1	STSCAHL2	Reasons why job won't run (see also STSCAHL2)
		1.. ..		STSCJCLS	"B'10000000" Job class held
		.1.. ..		STSCJCLM	"B'01000000" Job class limit reached
		..1.		STSCJSCH	"B'00100000" Scheduling environment
		...1		STSCJAFF	"B'00010000" System affinity
		.... 1..		STSCJSPL	"B'00001000" SPOOLS not available
		.... .1..		STSCJBSY	"B'00000100" Job busy on device
		.... ..1.		STSCJSCF	"B'00000010" SECLABEL affinity
		.... ...1		STSCNOSY	"B'00000001" No system with the right combination of resources
5	(5)	BITSTRING	1	STSCFLG1	Flag byte
		1...		STSC1JCM	"B'10000000" Jobclass mode of JQE Off = JES, On = WLM
6	(6)	BITSTRING	2	STSCASID	ASID where job is executing (zero if not active)
8	(8)	CHARACTER	8	STSCSRVC	WLM service class

Comment

 STSCESTT is the estimated time to execution. This value is only available if the following are true:
 - Job is awaiting execution
 - Job is scheduled to a WLM managed job class
 - Job is not held (duplicate job name, operator hold, etc)
 - Member it has affinity to is available
 - The scheduling environment is available

End of Comment

16	(10)	SIGNED	4	STSCESTT	Estimated time to execution in seconds
20	(14)	CHARACTER	16	STSCSENV	WLM Scheduling environment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>STSCQPOS is the position of the job on the WLM service class queue. STSCQNUM is the total number of jobs on the service class queue. Jobs which are not currently eligible to execute are not included in these counts. The count values are always returned ignoring the (obsolete) setting for STATSPPOS in STATSEL3. These values are only set to a non-zero value when the following are true:</p> <ul style="list-style-type: none"> - Job is awaiting execution - Job is scheduled to a WLM managed job class - Job is not held (job hold or class queue hold) - Member it has affinity to is available - The scheduling environment is available 					
End of Comment					
36	(24)	SIGNED	4	STSCQPOS	Position of this job on WLM service class queue
40	(28)	SIGNED	4	STSCQNUM	Number of jobs on WLM WLM service class queue
44	(2C)	SIGNED	4	STSCQACT	Number of active jobs in this WLM service class

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>STSCAVGQ and STSCQDLY are the component parts used in calculating the estimated time to execution, and are set only when STSCESTT is also set.</p>					
End of Comment					
48	(30)	SIGNED	4	STSCAVGQ	Average queue time for this job's srvc class in seconds
52	(34)	SIGNED	4	STSCQTIM	Queue time for this job in TOD clock units (bit 31 = 1.04... seconds)
56	(38)	SIGNED	4	STSCPSEQ	Minimum z/OS level that job can run on (ECVTPSEQ format)
60	(3C)	BITSTRING	1	STSCAHL2	Reasons why job won't run (see also STSCAHL1)
		1... ..		STSCMLEV	"B'10000000" z/OS minimum system level
61	(3D)	BITSTRING	1		Reserved
61	(3D)	X'3E'	0	STSCSIZE	"*-STATSCHD" Length of basic section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSCHS	, Schedule systems section
0	(0)	ADDRESS	2	STSSLEN	Length of sched sys section
2	(2)	ADDRESS	1	STSSTYPE	Type of this header
3	(3)	ADDRESS	1	STSSMOD	Modifier
3	(3)	X'1'	0	STSSTMOD	"1" Schedulable system section
4	(4)	ADDRESS	2	STSSNUM	Number of system names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STSSSYS (0)	First system name
8	(8)	X'8'	0	STSSSIZE	"*-STATSCHS" Length of sched systems sec

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSCLF	, SECLABEL affinity section
0	(0)	ADDRESS	2	STSLLEN	Length of SECLABEL aff sect
2	(2)	ADDRESS	1	STSLTYPE	Type of this header
3	(3)	ADDRESS	1	STSLMOD	Modifier
3	(3)	X'0'	0	STSLTMOD	"0" SECLABEL affinity section
4	(4)	ADDRESS	2	STSLNUM	Number of system names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STSLSYS (0)	First system name
8	(8)	X'8'	0	STSLSIZE	"*-STATSCLF" Length of SECLABEL aff sec

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJ3TR	, JES3 terse data area
0	(0)	ADDRESS	2	STJ3LEN	Length of JES3 terse sect.
2	(2)	ADDRESS	1	STJ3TYPE	Type of this header
3	(3)	ADDRESS	1	STJ3MOD	Modifier
3	(3)	X'0'	0	STJ3TMOD	"0" JES3 Terse section modifier
4	(4)	BITSTRING	8	STJ3SPOL	Spool data token or zero
12	(C)	BITSTRING	32	STJ3JSTT	List of reasons, by system, for why job is waiting to run (RQJSTAT)
44	(2C)	CHARACTER	8	STJ3JSTM (32)	List of system names corresponding to STJ3JSTT, terminated by zero
44	(2C)	X'12C'	0	STJ3SIZE	**"-STATJ3TR" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATVE	, Verbose job data section prolog
0	(0)	CHARACTER	4	STVEEYE	Eye catcher
4	(4)	ADDRESS	2	STVEOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STVEJOB	Address of associated job queue data element
8	(8)	X'C'	0	STVESIZ1	**"-STATVE" Size of prologue (version 1)
12	(C)	SIGNED	4		Reserved for future use
16	(10)	ADDRESS	8	STVEJOB_64	Address of associated job queue data element (64-bit request)
16	(10)	X'18'	0	STVESIZ2	**"-STATVE" Size of prologue (version 2)
16	(10)	X'18'	0	STVESIZE	**"-STATVE" Current size of prologue

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJVHD	, Job verbose section header
0	(0)	ADDRESS	2	STJVLEN	Len of entire Job verbose header (Max value is 65535)
2	(2)	ADDRESS	1	STJVTYPE	Type of this header
3	(3)	ADDRESS	1	STJVMOD	Modifier
3	(3)	X'0'	0	STJV1MOD	"0" 1st Header Section modifier
3	(3)	X'4'	0	STJVSIZ	**"-STATJVHD" Size of 1st Header Section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQVB	,
0	(0)	ADDRESS	2	STVBLEN	Length of verbose section
2	(2)	ADDRESS	1	STVBTYPE	Type of this header
3	(3)	ADDRESS	1	STVBMOD	Modifier
3	(3)	X'0'	0	STVBVMOD	"0" Verbose section modifier
4	(4)	BITSTRING	1	STVBFLG1	Section flag byte
		1...		STVB1ERR	"B'10000000" Error obtaining verbose data (terse section returned).
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	SIGNED	2	STVBJCPY	Job Copy count
8	(8)	SIGNED	2	STVBLNCT	Job line count (lines per page)
10	(A)	CHARACTER	18	STVBIDEV	Input device name
28	(1C)	CHARACTER	8	STVBISID	Input system/member
36	(24)	SIGNED	4	STVBJCIN	Job input count
40	(28)	SIGNED	4	STVBJLIN	Job line count
44	(2C)	SIGNED	4	STVBJPAG	Job page count
48	(30)	SIGNED	4	STVBJPUN	Job card (output) count
52	(34)	SIGNED	8	STVBRTS (0)	Input start Time/Date
52	(34)	SIGNED	4	STVBRTST	Input start time. This is in hundredths of seconds since midnight.
56	(38)		4	STVBRTSD	Input start date. This is in the form 0cyydddF
60	(3C)	SIGNED	8	STVBRTS (0)	Input end Time/Date
60	(3C)	SIGNED	4	STVBRTET	Input end time. This is in hundredths of seconds since midnight.
64	(40)		4	STVBRTED	Input end date. This is in the form 0cyydddF
68	(44)	CHARACTER	8	STVBSYS	Execution MVS system name
76	(4C)	CHARACTER	8	STVBMBR	Execution JES2 member name
84	(54)	SIGNED	8	STVBXTS (0)	Execution start Time/Date
84	(54)	SIGNED	4	STVBXTST	Execution start time. This is in hundredths of seconds since midnight.
88	(58)		4	STVBXTSD	Execution start date. This is in the form 0cyydddF
92	(5C)	SIGNED	8	STVBXTE (0)	Execution end Time/Date
92	(5C)	SIGNED	4	STVBXTET	Execution end time. This is in hundredths of seconds since midnight.
96	(60)		4	STVBXTED	Execution end date. This is in the form 0cyydddF
100	(64)	BITSTRING	8	STVBJSUR	JMRUSEID field
108	(6C)	CHARACTER	8	STVBMCLS	Message class (Job card)
116	(74)	CHARACTER	8	STVBNOTN	Notify Node
124	(7C)	CHARACTER	8	STVBNOTU	Notify Userid

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
132	(84)	CHARACTER	20	STVBPNAM	Programmer's name (from Job card)
152	(98)	CHARACTER	8	STVBACCT	Account number (from Job card)
160	(A0)	CHARACTER	8	STVBDEPT	NJE department
168	(A8)	CHARACTER	8	STVBBLDG	NJE building
176	(B0)	CHARACTER	8	STVBRROOM	Job card room number
184	(B8)	CHARACTER	8	STVBJDVT	JDVT name for job
192	(C0)	CHARACTER	8	STVBSUBU	Submitting userid
200	(C8)	CHARACTER	8	STVBSUBG	Submitting group
208	(D0)	BITSTRING	2	STVBMLRC	Max LRECL of JCLIN stream
210	(D2)	BITSTRING	2		Reserved

Comment

STVBMXRC describes how a job terminated. In the cases where the job actually ran, the STVBMXCC value is always the highest return code of any executed step or the ABEND code associated with the job.

STVBMXRC consists of a 1 byte indicator of how the job completed followed by a 3 byte code. The code is available only for conditions followed by a '+' sign. The contents of the 3 byte code is based on the 2 bits STVBXAB and STVBXCDE. Do NOT use the 1 nibble completion type to interpret the 3 byte code value.

If STVBXAB is on, then the 3 byte code is an ABEND code. In this case, either the first 12 bits of STVBMXCC are set to the System ABEND code or the last 12 bits are set to the user ABEND code.

If STVBXCDE is on then the 3 byte code is a return code. In this case, a return code is in the last 12 bits of STVBMXCC

End of Comment

212	(D4)	SIGNED	4	STVBMXRC (0)	Max return code
212	(D4)	BITSTRING	1	STVBXIND	Job completion indicator
		1...		STVBXAB	"X'80" ABEND code exists
		.1.		STVBXCDE	"X'40" Completion code exists
		..1.		STVBXREQ	"X'20" JOBRC completion code set (never set)
		.... 1111		STVBXINM	"X'0F" Mask to extract completion type
212	(D4)	X'0'	0	STVBXUNK	"0" No completion info
212	(D4)	X'1'	0	STVBXNRM	"1" Job ended normally +
212	(D4)	X'2'	0	STVBXCC	"2" Job ended by CC +
212	(D4)	X'3'	0	STVBXJCL	"3" Job had a JCL error
212	(D4)	X'4'	0	STVBXCAN	"4" Job was canceled
212	(D4)	X'5'	0	STVBXABN	"5" Job ABENDEd +
212	(D4)	X'6'	0	STVBXCAB	"6" Converter ABENDEd
212	(D4)	X'7'	0	STVBXSEC	"7" Security error
212	(D4)	X'8'	0	STVBXEOM	"8" Job failed in EOM +
212	(D4)	X'9'	0	STVBXCNV	"9" Converter error
212	(D4)	X'A'	0	STVBXSYS	"10" System failure
213	(D5)	BITSTRING	3	STVBMXCC	Completion code (set for '+' conditions)
213	(D5)	X'D8'	0	STVBSIZE	"-STATJQVB" Size of verbose Information

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQSE	,
0	(0)	ADDRESS	2	STSELEN	Length of security section
2	(2)	ADDRESS	1	STSETYPE	Type of this header
3	(3)	ADDRESS	1	STSEMOD	Modifier
3	(3)	X'0'	0	STSESMOD	"0" Security section modifier
4	(4)	BITSTRING	1	STSEFLG1	Security section flags
		1...		STSE1ERR	"B'10000000" Error obtaining verbose data
		.1.		STSE1JB	"B'01000000" Token represents a job
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	ADDRESS	2	STSEOFFS	Offset to SAF token
8	(8)	CHARACTER	1	STSETOKN (0)	Mapped SAF token

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATJQAC	,
0	(0)	ADDRESS	2	STACLEN	Len of accounting section
2	(2)	ADDRESS	1	STACTYPE	Type of this header
3	(3)	ADDRESS	1	STACMOD	Modifier
3	(3)	X'0'	0	STACAMOD	"0" Accounting section modifier
4	(4)	BITSTRING	1	STACFLG1	Flags
		.1...		STAC1ERR	"B'10000000" Error obtaining verbose data (short section returned).
		.1..		STAC1OV	"B'01000000" Accounting string can be overlaid by other than originating node
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	SIGNED	2	STACOFFS	Offset to beginning of accounting information
6	(6)	X'8'	0	STACFLEN	**"STACLEN" Length of fixed portion

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STACNTRY	, Accounting entry
0	(0)	SIGNED	2	STACJLEN	Length of job accounting string (does not include the length of this half word)
2	(2)	SIGNED	1	STACJNR	Number of sub-strings
3	(3)	SIGNED	1	STACJAC1 (0)	First sub-string

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSE	, SYSOUT data section prologue
0	(0)	CHARACTER	4	STSEEYE	Eye catcher
4	(4)	ADDRESS	2	STSEOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STSEJNXT	Address of next SYSOUT data element
12	(C)	ADDRESS	4	STSEJOB	Address of associated job queue data element
16	(10)	ADDRESS	4	STSEVRBO	Address of 1st SYSOUT verbose data element
16	(10)	X'14'	0	STSESIZ1	**"STATSE" Size of prologue (version 1)
20	(14)	SIGNED	4		Reserved for future use
24	(18)	ADDRESS	8	STSEJNXT_64	Address of next SYSOUT data element (64-bit)
32	(20)	ADDRESS	8	STSEJOB_64	Address of associated job queue data element (64-bit)
40	(28)	ADDRESS	8	STSEVRBO_64	Address of 1st SYSOUT verbose data element (64-bit)
40	(28)	X'30'	0	STSESIZ2	**"STATSE" Size of prologue (version 2)
40	(28)	X'30'	0	STSESIZE	**"STATSE" Current size of prologue

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSEHD	, SYSOUT section header
0	(0)	ADDRESS	2	STSHLEN	Length of entire SYSOUT header (Max value is 65535)
2	(2)	ADDRESS	1	STSHTYPE	Type of this header
3	(3)	ADDRESS	1	STSHMOD	Modifier
3	(3)	X'0'	0	STSH1MOD	"0" 1st Header Section modifier
3	(3)	X'4'	0	STSHSIZE	**"STATSEHD" Size of 1st Header Section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSETR	, SYSOUT terse section
0	(0)	ADDRESS	2	STSTLEN	Length of terse section
2	(2)	ADDRESS	1	STSTTYPE	Type of this header
3	(3)	ADDRESS	1	STSTMOD	Modifier
3	(3)	X'0'	0	STSTTMOD	"0" Terse section modifier
4	(4)	CHARACTER	8	STSTOUID	SYSOUT owner (creator)
12	(C)	CHARACTER	8	STSTSECL	SECLABEL for SYSOUT
20	(14)	CHARACTER	18	STSTDEST	SYSOUT destination
38	(26)	CHARACTER	8	STSTCLAS	SYSOUT class
46	(2E)	SIGNED	4	STSTNREC	Record count
50	(32)	SIGNED	4	STSTPAGE	Page count
54	(36)	SIGNED	4	STSTLNCT	Line count
58	(3A)	SIGNED	4	STSTBYCT (2)	Byte count of consumed spool space 63 bit right justified (JES3 only)
66	(42)	CHARACTER	8	STSTFORM	Forms
74	(4A)	CHARACTER	8	STSTFCB	FCB
82	(52)	CHARACTER	8	STSTUCS	UCS
90	(5A)	CHARACTER	8	STSTXWTR	External writer name
98	(62)	CHARACTER	8	STSTPMDE	Processing mode
106	(6A)	CHARACTER	8	STSTFLSH	Flash

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
114	(72)	CHARACTER	4	STSTCHAR (4)	Printer translate table
130	(82)	CHARACTER	4	STSTMODF	MODIFY=(modname)
134	(86)	BITSTRING	1	STSTMODC	MODIFY=(,trc)
135	(87)	BITSTRING	1	STSTFLG2	General flag byte
		1...		STST2CIV	"B'10000000" STSTCTKN is not usable
		.1.		STST2DMN	"B'01000000" Data sets represented by this element are "demand @OA39053 select" (JES2 only) @OA39053
136	(88)	BITSTRING	2		Reserved for future use
138	(8A)	CHARACTER	8	STSTSYS	MVS system on which the SYSOUT is active (blanks if not active)
146	(92)	CHARACTER	8	STSTMEM	JES member on which the SYSOUT is active (blanks if not active)
154	(9A)	CHARACTER	18	STSTDEVN	Name of device on which the SYSOUT is active (blanks if not active)
172	(AC)	BITSTRING	1	STSTHSTA	SYSOUT hold state
		1...		STSTHOPR	"B'10000000" SYSOUT is held due to operator command
		.1.		STSTHUSR	"B'01000000" SYSOUT is currently held via HOLD=YES on the DD (JES3 only)
		.1.		STSTHSYS	"B'00100000" SYSOUT is in a system hold (see STSTHRSN for reason).
		...1		STSTHTSO	"B'00010000" SYSOUT is held for TSO, JES3 only
		.... 1...		STSTHXWT	"B'00001000" SYSOUT is held for external writer. JES3 only
		.... .1..		STSTHBDT	"B'00000100" SYSOUT is held on the BDT queue. JES3 only.
		.... .1.		STSTHTCP	"B'00000010" SYSOUT is held on the TCP queue. JES3 only.
173	(AD)	BITSTRING	1	STSTHRSN	Reason for system hold (see fields OHLDJxxx in IAZOHL for meaning)
174	(AE)	BITSTRING	1	STSTDISP	Output disposition
		1...		STSTDHLD	"B'10000000" OUTDISP=HOLD
		.1.		STSTDLVE	"B'01000000" OUTDISP=LEAVE
		.1.		STSTDWRT	"B'00100000" OUTDISP=WRITE
		.1.		STSTDKEP	"B'00010000" OUTDISP=KEEP
175	(AF)	BITSTRING	1	STSTFLG1	General flag byte
		1...		STST1BRT	"B'10000000" BURST=YES
		.1.		STST1DSI	"B'01000000" 3540 held data set
		.1.		STST1IPA	"B'00100000" Destination has an IPADDR
		...1		STST1CPD	"B'00010000" Schedulable element has page mode data
		.... 1...		STST1SPN	"B'00001000" SPIN data set
		.... .1..		STST1NSL	"B'00000100" Not selectable
		.... .1.		STST1APC	"B'00000010" SYSOUT has job level information (has a STSATERS and a STOTAPPC type section)
		.... ...1		STST1CTK	"B'00000001" When SYSOUT was allocated the DALRTCTK key specified (client token returned)
176	(B0)	BITSTRING	1	STSTPRIO	SYSOUT priority

Comment

The SYSOUT identifier (STSTSOID) is a EBCDIC value associated with this SYSOUT that can be used in operator commands. The exact contents vary based on whether JES2 or JES3 owns the SYSOUT and the release of JES processing the SSI request.

End of Comment

177	(B1)	CHARACTER	44	STSTSOID	EBCDIC SYSOUT identifier
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Comment

The SYSOUT client token (STSTCTKN) is a token that can be used on various APIs to access a specific piece of SYSOUT. The token returned may NOT be the same as the one returned on a SYSOUT allocation or used in ENF processing. It may also be different from the TOKEN passed for selection in STATCTKN. If you are tracking SYSOUT with a token received from allocation, do NOT replace it with this token.
Ensure that STSTCTKN is useable by verifying that STST2CIV in byte STSTFLG2 is off .

End of Comment

221	(DD)	BITSTRING	80	STSTCTKN	SYSOUT client token
221	(DD)	X'12D'	0	STSTSIZE	"*-STATSETR" Size of Terse Information

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSJ2T	, JES2 terse data area
0	(0)	ADDRESS	2	STS2LEN	Len of JES2 terse section

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	ADDRESS	1	STS2TYPE	Type of this header
3	(3)	ADDRESS	1	STS2MOD	Modifier
3	(3)	X'0'	0	STS2TMOD	"0" JES2 Terse section modifier
4	(4)	BITSTRING	1	STS2FLG1	General flags
		1...		STS21DSH	"B'10000000" JOE has been cloned (all data sets must be processed identically by SAPI)
		.1..		STS21TSO	"B'01000000" JOE is available for TSO OUTPUT processing
		.1.		STS21USR	"B'00100000" JOE is on userid queue
5	(5)	CHARACTER	26	STS2OGNM	SYSOUT group name
31	(1F)	BITSTRING	4	STS2CRTM	JOE creation time (STCK format)
35	(23)	BITSTRING	8	STS2SPOL	Spool data token (IOT addr)
43	(2B)	CHARACTER	8	STS2GNAM	Group name
51	(33)	BITSTRING	2	STS2JID1	JOE ID 1
53	(35)	BITSTRING	2	STS2RNOD	Dest node number (binary)
55	(37)	BITSTRING	2	STS2RRMT	Dest remote number (binary)
57	(39)	CHARACTER	8	STS2RUSR	Dest user field
65	(41)	BITSTRING	8	STS2TSWB	JOE level SWB MTTR
73	(49)	BITSTRING	8	STS2CHKT	JOE CHK MTTR if CHK valid else zero
81	(51)	BITSTRING	4	STS2JOEI	Work JOE index
85	(55)	BITSTRING	1	STS2OFSL	SPOOL offload select mask
86	(56)	BITSTRING	1	STS2BUSY	JOE busy byte
86	(56)	X'57'	0	STS2SIZE	** -STATSJ2T" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSJ3T	, JES3 terse data area
0	(0)	ADDRESS	2	STS3LEN	Len of JES3 terse section
2	(2)	ADDRESS	1	STS3TYPE	Type of this header
3	(3)	ADDRESS	1	STS3MOD	Modifier
3	(3)	X'0'	0	STS3TMOD	"0" JES3 Terse section modifier
4	(4)	BITSTRING	1	STS3FLG1	General flags
		1...		STS31XSY	"B'10000000" Extended keywords used
		.1..		STS31WSI	"B'01000000" One STATSE returned for the Work Selection Identifier in STS3WSI
		.1.		STS31FMT	"B'00100000" FORMAT JECL statements used for this data set.
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	4	STS3WSI	Work Selection Identifier
8	(8)	X'C'	0	STS3SIZE	** -STATSJ3T" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSATR	, SYSOUT Transaction terse section
0	(0)	ADDRESS	2	STSALEN	Length of transaction sect
2	(2)	ADDRESS	1	STSATYPE	Type of this header
3	(3)	ADDRESS	1	STSAMOD	Modifier
3	(3)	X'0'	0	STSATMOD	"0" Transaction sect modifier
4	(4)	CHARACTER	8	STSAJOBN	Transaction (APPC) Program Jobname that created this data set
12	(C)	CHARACTER	8	STSAJID	Transaction (APPC) Program Job ID that created this data set
12	(C)	X'14'	0	STSA SIZE	** -STATSATR" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATVO	, Verbose SYSOUT data section prolog
0	(0)	CHARACTER	4	STVOEYE	Eye catcher
4	(4)	ADDRESS	2	STVOOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STVOJOB	Address of associated job queue data element-STATJQ (31-bit request)
12	(C)	ADDRESS	4	STVOJNXT	Address of next verbose SYSOUT element for JOB (31-bit request)
16	(10)	ADDRESS	4	STVOSOUT	Address of associated SYSOUT data element-STATSE (31-bit request)
20	(14)	ADDRESS	4	STVOSNXT	Address of next verbose SYSOUT element for STATSE (31-bit request)
20	(14)	X'18'	0	STVOSIZ1	** -STATVO" Size of prologue (version 1)
24	(18)	ADDRESS	8	STVOJOB_64	Address of associated job queue data element-STATJQ (64-bit request)
32	(20)	ADDRESS	8	STVOJNXT_64	Address of next verbose SYSOUT element for JOB (64-bit request)
40	(28)	ADDRESS	8	STVOSOUT_64	Address of associated SYSOUT data element-STATSE (64-bit request)
48	(30)	ADDRESS	8	STVOSNXT_64	Address of next verbose SYSOUT element for STATSE (64-bit request)
48	(30)	X'38'	0	STVOSIZ2	** -STATVO" Size of prologue (version 2)
48	(30)	X'38'	0	STVOSIZE	** -STATVO" Current size of prologue

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSVHD	, SYSOUT verbose section hdr
0	(0)	ADDRESS	2	STVSLEN	Length of entire SYSOUT verbose element (Max value is 65535)
2	(2)	ADDRESS	1	STSVTYPE	Type of this header
3	(3)	ADDRESS	1	STSVMOD	Modifier
3	(3)	X'0'	0	STSV1MOD	"0" 1st Header Section modifier
3	(3)	X'4'	0	STVSIZE	**-STATSVHD" Size of 1st Header Section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSEVB	, SYSOUT verbose section
0	(0)	ADDRESS	2	STVSLEN	Length of verbose section
2	(2)	ADDRESS	1	STSVTYPE	Type of this header
3	(3)	ADDRESS	1	STSVMOD	Modifier
3	(3)	X'0'	0	STVSVMOD	"0" Verbose section modifier
4	(4)	BITSTRING	1	STVSFLG1	Section flag byte
		1...		STVS1ERR	"B'10000000" Error obtaining verbose data (terse section returned).
		.1.		STVSDSCL	"B'01000000" Line count, page count, byte count, and record count (STVSLNCT, STVSPGCT, STVSBYCT, and STVSRCT) are accurate. This bit will not be on if there was an abnormal termination or the data was created on a different node.
		..1.		STVS1SPN	"B'00100000" SPIN data set
		...1		STVS1JSL	"B'00010000" Spin-any/JESLOG spin D S

Comment

STVS1SYS is on if this data sets is one of the "special" or "system" data sets that are created and managed by JES. This include JESJCLIN, JESMSG LG, JESJCL, and JESYSMSG (JES2 and JES3), \$INTTEXT, and \$JOURNAL (JES2 only) and J3SCINFO, J3JBINFO, JCBLOCK, JOURNAL, and J3STINFO (JES3 only). Additional data sets may be created in future releases.

End of Comment

		.... 1..		STVS1SYS	"B'00001000" System data set
		.... .1..		STVS1SIN	"B'00000100" Instream data set (SYSIN)
		.... ..1.		STVS1DUM	"B'00000010" Dummy data set (SYSOUT data set which will not print)
		.... ...1		STVS1ENF	"B'00000001" All ENF58 signals are broadcasted for this data set
5	(5)	BITSTRING	1	STVSRECF	Record format
6	(6)	CHARACTER	8	STVSPRCD	Procname for the step creating this data set
14	(E)	CHARACTER	8	STVSTPD	Stepname for the step creating this data set
22	(16)	CHARACTER	8	STVSDDND	DDNAME for the data set creation
30	(1E)	CHARACTER	8	STVSTJN	TP (APPC) jobname(deprecated)
38	(26)	CHARACTER	8	STVSTJID	TP (APPC) jobid (depricated)
46	(2E)	BITSTRING	4	STVSTOD	Date and time of data set availability in TOD format (i.e. this value is the high order word of the TOD clock obtained via a STCK)
50	(32)	SIGNED	4	STVSSEGM	Segment id (zero if data set not segmented)
54	(36)	SIGNED	4	STVSDSKY	Data set number (key)
58	(3A)	SIGNED	2	STVSMRLR	Maximum logical record length (LRECL)

Comment

The following four count fields are valid only if STVSDSCL is on in STVSFLG1.

End of Comment

60	(3C)	SIGNED	4	STVSLNCT	Line count
64	(40)	SIGNED	4	STVSPGCT	Page count
68	(44)	SIGNED	4	STVSBYCT (2)	Byte count after blank truncation 63 bit right justified (JES2) Byte count of consumed spool space 63 bit right justified (JES3)
76	(4C)	SIGNED	4	STVSRCT	Record count (JES3 only)
80	(50)	CHARACTER	44	STVSDSN	SYSOUT data set name
124	(7C)	SIGNED	1	STVSCOPY	Data set copy count
125	(7D)	SIGNED	1	STVSFLSC	Number of flash copies
126	(7E)	BITSTRING	1	STVSFLG2	Section flag byte
		1...		STVS2CIV	"B'10000000" STVSCTKN is not usable
		.1.		STVS2SPN	"B'01000000" Spinnable file
127	(7F)	BITSTRING	13		Reserved for future use

SSST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The SYSOUT data set token (STVSCTKN) is a token that can be used on various APIs to access a specific SYSOUT data set. The token returned may NOT be the same as the one returned on a SYSOUT allocation or used in ENF processing. It may also be different from the TOKEN passed for selection in STATCTKN. If you are tracking SYSOUT with a token received from allocation, do NOT replace it with this token.</p> <p>Ensure that STVSCTKN is useable by verifying that STVS2CIV in byte STVSFLG2 is off .</p>					
End of Comment					
140	(8C)	BITSTRING	80	STVSCTKN	SYSOUT data set token
220	(DC)	CHARACTER	4	STVSCHAR (4)	Printer translate table
236	(EC)	CHARACTER	4	STVSMODF	MODIFY=(modname)
240	(F0)	BITSTRING	1	STVSMODC	MODIFY=(,trc)
240	(F0)	X'F1'	0	STVSSIZE	**-STATSEVB" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSEO2	, JES2 verbose data area
0	(0)	ADDRESS	2	STO2LEN	Len of JES2 verbose section
2	(2)	ADDRESS	1	STO2TYPE	Type of this header
3	(3)	ADDRESS	1	STO2MOD	Modifier
3	(3)	X'0'	0	STO2TMOD	"0" JES2 Verbose section mod
4	(4)	BITSTRING	1	STO2FLG1	General flags
		1...		STO21ERR	"B'10000000" Error obtaining verbose data
		.1...		STO21ORI	"B'01000000" Demand select overrides are present
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	8	STO2SPST	Data set SPOOL data token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The following fields are populated iff the data set is part of a JOE because the JOE is a "demand select" JOE. Flag STO21ORI on indicates that the "demand select" scenario exists. If an installation or an individual job specifies "demand select", then data sets are gathered into JOEs irrespective of whether the following list of characteristics are matching or not:</p> <ul style="list-style-type: none"> o Forms o FCB o UCS o Flash o Burst <p>Notes: These fields are empty unless STO21ORI is on in STO2FLG1. There is no necessity for this support in JES3.</p>					
End of Comment					
16	(10)	CHARACTER	8	STO2FORM	Forms
24	(18)	CHARACTER	4	STO2FCB	FCB
28	(1C)	CHARACTER	4	STO2UCS	UCS
32	(20)	CHARACTER	4	STO2FLSH	Flash
36	(24)	BITSTRING	1	STO2FLG2	General flag byte
		1...		STO21BRT	"B'10000000" BURST=YES
36	(24)	X'25'	0	STO2SIZE	**-STATSEO2" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSEO3	, JES3 verbose data area
0	(0)	ADDRESS	2	STO3LEN	Len of JES3 verbose section
2	(2)	ADDRESS	1	STO3TYPE	Type of this header

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	ADDRESS	1	STO3MOD	Modifier
3	(3)	X'0'	0	STO3TMOD	"0" JES3 Verbose section mod
4	(4)	BITSTRING	1	STO3FLG1	General flags
		1...		STO31ERR	"B'10000000" Error obtaining verbose data
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	80	STO3CMTK	*MODIFY,U command token
8	(8)	X'58'	0	STO3SIZE	** -STATSE03" Length of section

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSESO	, SYSOUT security section
0	(0)	ADDRESS	2	STSOLEN	Length of security section
2	(2)	ADDRESS	1	STSOTYPE	Type of this header
3	(3)	ADDRESS	1	STSOMOD	Modifier
3	(3)	X'0'	0	STSOSMOD	"0" Security section modifier
4	(4)	BITSTRING	1	STSOFLG1	Security section flags
		1...		STSO1ERR	"B'10000000" Error obtaining verbose data
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	ADDRESS	2	STSOOFFS	Offset to SAF token
6	(6)	X'6'	0	STSOLENP	"STSOOFFS,2,C'A" Compat with older releases
8	(8)	CHARACTER	1	STSTOKN (0)	Mapped SAF token

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STATSEOT	, SYSOUT transaction section
0	(0)	ADDRESS	2	STOTLEN	Length of transaction sect
2	(2)	ADDRESS	1	STOTTYPE	Type of this header
3	(3)	ADDRESS	1	STOTMOD	Modifier
3	(3)	X'0'	0	STOTSMOD	"0" Transaction sect modifier
4	(4)	CHARACTER	8	STOTJOBN	Transaction (APPC) Program Jobname that created this data set
12	(C)	CHARACTER	8	STOTJID	Transaction (APPC) Program Job ID that created this data set
20	(14)	BITSTRING	4	STOTSTRT	Trans entry start time
24	(18)	BITSTRING	4	STOTSTRD	Trans entry start date
28	(1C)	BITSTRING	8	STOTEXST	Trans execution start time
36	(24)	BITSTRING	4	STOTACTO	Trans account number
36	(24)	X'28'	0	STOTSIZ	** -STATSEOT" Length of section

SSST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSSTLEN8	1A0	1E8	STAT_DEMSEL	A1	18
STACACCT	38	25	STAT_DONE	A1	13
STACAMOD	3	0	STAT_EFBAD	A1	1A
STACFLEN	6	8	STAT_EFWAIT	A1	19
STACFLG1	4	0	STAT_ERROR	A1	C
STACJAC1	3		STAT_EXEC	A1	FD
STACJLEN	0		STAT_FETCH	A1	5
STACJNR	2		STAT_FSSCI	A1	2
STACLEN	0	0	STAT_INPUT	A1	80
STACMOD	3		STAT_MAXNDX	A1	1B
STACNTRY	0		STAT_NOSUB	A1	1
STACOFFS	6		STAT_ONMAIN	A1	E
STACTYPE	2		STAT_OSWAIT	A1	16
STAC1ERR	4	80	STAT_OUTPT	A1	14
STAC1OV	4	40	STAT_OUTQUE	A1	15
STAFFIN	38	3	STAT_POSTEX	A1	FE
STAFLEN	0	0	STAT_PSCBAT	A1	3
STAFMEMB	8		STAT_PSCDSL	A1	4
STAFMOD	3		STAT_PURG	A1	87
STAFNUM	4		STAT_RECV	A1	88
STAFSIZE	8	8	STAT_RESTRT	A1	12
STAFTMOD	3	0	STAT_SELECT	A1	D
STAFTYPE	2		STAT_SETUP	A1	83
STAT	0		STAT_SPIN	A1	84
STAT_ALLOC	A1	8	STAT_SYSSSEL	A1	7
STAT_BRKDOWN	A1	11	STAT_SYSVBR	A1	B
STAT_CMPLT	A1	17	STAT_VERIFY	A1	A
STAT_CONV	A1	82	STAT_VOLUAV	A1	9

SSST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STAT_VOLWT	A1	6	STATREAS	A	0
STAT_WTBKDN	A1	85	STATREA2	B	0
STAT_WTCNV	A1	81	STATRECJ	A	70
STAT_WTPURG	A1	86	STATREYE	A	24
STAT_WTXMIT	A1	89	STATRIDS	A	90
STAT_XMIT	A1	8A	STATRJBH	A	C
STATAFFS	0		STATRJBL	A	8
STATCLSL	70	40404040	STATRJBN	A	2C
STATCLSN	160		STATRJCO	A	AC
STATCLSP	164		STATRJCR	A	A8
STATCTKN	118		STATRJIL	A	9C
STATCVRL	7	8	STATRJIP	A	A0
STATCVRM	7	0	STATRJIZ	A	A4
STATDEST	4E	40404040	STATRJLM	A	10
STATDLST	C	6	STATRJST	A	B0
STATDSTN	170		STATRLEN	A	28
STATDSTP	174		STATRLMT	A	4
STATEYE	2	E2E3C1E3	STATRMEM	A	38
STATINVA	0	4	STATRNEX	A	8C
STATINVT	0	C	STATROJB	A	40
STATJBIH	2E	40404040	STATRORG	A	48
STATJBIL	26	40404040	STATROWN	A	30
STATJBNN	168		STATRPHZ	A	1C
STATJBNP	16C		STATRPRI	A	50
STATJCRP	190		STATRPRM	C0	0
STATJDTP	104		STATRQUE	A	20
STATJOBF	D4		STATRSCR	A	60
STATJOBF_64	F8		STATRSCT	A	5C
STATJOBN	1E	40404040	STATRSEC	A	44
STATJQ	0		STATRSEN	A	58
STATJQAC	0		STATRSFR	A	7C
STATJQHD	0		STATRSFR	A	80
STATJQLM	CC		STATRSSC	A	68
STATJQSE	0		STATRSSD	A	64
STATJQTR	0		STATRSUB	A	88
STATJQVB	0		STATRSUP	A	84
STATJVHD	0		STATRSVC	A	54
STATJ2TR	0		STATRSXW	A	6C
STATJ3TR	0		STATRSYS	A	34
STATLEN	0	1C8	STATRTN	BC	
STATLERR	0	8	STATRTOK	0	0
STATMEM	C	3	STATRTRS	A	94
STATMEMB	98		STATRVBM	A	74
STATNRJQ	D8	0	STATRVOL	A	18
STATNRSE	DC	0	STATRWIL	A	98
STATOFG1	E8	0	STATRXEQ	A	4C
STATOHIX	F0		STATSAPC	19	10
STATOHLA	EC		STATSATR	0	
STATOJBI	36	40404040	STATSCHA	0	
STATOPT1	BA		STATSCHS	0	
STATORGN	60	40404040	STATSCLA	136	40404040
STATOUTT	C	4	STATSCLF	0	
STATOUTV	C	5	STATSCLN	180	
STATOWNR	3E	40404040	STATSCLP	184	
STATO1CP	E8	80	STATSCLS	18	80
STATO164	E8	40	STATSCLX	1B	8
STATPARM	0		STATSCOR	CB	80
STATPELM	C		STATSCRE	11C	40404040
STATPELM_64	10		STATSCTK	1C	80
STATPERF	E0	0	STATSDEN	124	40404040
STATPHAZ	A1		STATSDSN	188	
STATPHTP	100		STATSDSP	18C	
STATPHZN	178		STATSDST	18	40
STATPHZP	17C		STATSE	0	
STATPLEN	10	18	STATSECL	46	40404040
STATPPRM	4		STATSEHD	0	
STATPRIO	A0		STATSEL1	18	0
STATPSIZ	0		STATSEL2	19	0
STATPVER	2		STATSEL3	1A	0
STATPWRK	8		STATSEL4	1B	0
STATRBEA	A	78	STATSEL5	CB	0
STATRCLS	A	14	STATSENV	AA	40404040
STATRCST	A	3C	STATSEOT	0	
STATRDST	A	4	STATSEO2	0	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STATSEO3	0		STATSTPI	C8	40
STATSESO	0		STATSTPL	C	E6
STATSETR	0		STATSTPN	C8	80
STATSEVB	0		STATSTPU	C8	20
STATSFOR	146	40404040	STATSTRP	10	
STATSHLD	1A	10	STATSTRP_64	110	
STATSHOL	BB	4	STATSTSP	C	
STATSIZE	1A0	1C8	STATSTSU	19	40
STATSIZ1	118	118	STATSTTL	D	
STATSIZ2	118	118	STATSTYP	19	FF
STATSIZ3	1A0	1C8	STATSUBR	158	40404040
STATSIZ4	1A0	1C8	STATSVHD	0	
STATSIZ5	1A0	1C8	STATSVOL	1A	40
STATSIZ6	1A0	1C8	STATSWRT	BB	8
STATSIZ7	1A0	1C8	STATSWTR	13E	40404040
STATSIZ8	1A0	1C8	STATSXEQ	1B	40
STATSIZ9	1A0	1C8	STATSYS	90	
STATSJBI	18	10	STATTERS	C	1
STATSJBN	18	20	STATTKHL	8	
STATSJIL	1B	1	STATTKID	0	E2E3C1E3
STATSJOB	19	20	STATTKND	20	28
STATSJ2T	0		STATTKNX	C	
STATSJ3T	0		STATTKPR	20	
STATSKEP	BB	2	STATTKRS	14	
STATSLVE	BB	1	STATTKR2	15	
STATSMEM	1A	2	STATTKSK	14	FF
STATSNHL	1A	8	STATTKSN	10	
STATSOJD	1B	4	STATTKTK	18	
STATSOJI	18	8	STATTKVR	A	
STATSORG	1B	80	STATTRAK	0	
STATSOWN	18	4	STATTRKP	14	
STATSPHZ	1A	20	STATTRSA	C4	
STATSPOS	1A	1	STATTRSA_64	198	
STATSPRI	1A	80	STATTYPE	C	1
STATSPRM	14E	40404040	STATVE	0	
STATSQPS	1B	2	STATVER	6	
STATSRVC	A2	40404040	STATVERL	6	
STATSSCL	1C	10	STATVERM	7	
STATSSDS	1C	20	STATVERO	8	0
STATSSEC	18	2	STATVO	0	
STATSSEN	1B	10	STATVOL	78	40404040
STATSSFR	1D	80	STATVRBO	C	2
STATSSHL	1C	4	STATV010	7	100
STATSSIP	1D	8	STATV020	7	200
STATSSJD	1D	1	STATV030	7	300
STATSSJ1	C8	10	STATV040	7	400
STATSSLC	BB	80	STATV050	7	500
STATSSL1	1C	0	STATV060	7	600
STATSSL2	1D	0	STATV070	7	700
STATSSL3	BB	0	STATV071	7	701
STATSSL4	C8	0	STATV080	7	800
STATSSNH	1C	2	STATXEQN	68	40404040
STATSSNI	1D	4	STATZOMO	CA	5C
STATSSNJ	BB	10	STAT1B64	BA	4
STATSSNS	1D	10	STAT1CHR	C9	6F
STATSSNT	BB	40	STAT1LCL	BA	40
STATSSOD	1D	2	STAT1LMT	BA	10
STATSSOW	1C	40	STAT1NDP	BA	8
STATSSPR	1D	40	STAT1RAC	BA	80
STATSSRV	1B	20	STAT1WMB	BA	1
STATSSSP	1D	20	STAT1WMS	BA	2
STATSSTC	19	80	STAT1WSI	BA	20
STATSSUB	18	1	STHDLEN	0	
STATSSWR	1C	8	STHDMOD	3	
STATSSYS	1A	4	STHDSIZE	3	4
STATSTBG	18		STHDTYPE	2	
STATSTB2	28		STHD1HDR	38	0
STATSTCP	14		STHD1MOD	3	0
STATSTCP_64	20		STJQEYE	0	E2D1D8C5
STATSTHL	8		STJQNEXT	8	
STATSTID	0	E2E3C1E3	STJQNEXT_64	20	
STATSTNX	10		STJQOHDR	4	40
STATSTNX_64	18		STJQOSS	10	40404040
STATSTOR	0		STJQSE	C	

SSST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STJQSE_64	28		STO3CMTK	8	0
STJQSIZE	38	40	STO3FLG1	4	0
STJQSIZ1	18	1C	STO3LEN	0	58
STJQSIZ2	38	40	STO3MOD	3	
STJQSVRB	18		STO3SIZE	8	58
STJQSVRB_64	38		STO3TMOD	3	0
STJQVRBO	14		STO3TYPE	2	
STJQVRBO_64	30		STO3VRBO	38	63
STJVLLEN	0		STO31ERR	4	80
STJVMOD	3		STSAJID	C	40404040
STJVSIZ	3	4	STSAJOB	4	40404040
STJVTYPE	2		STSALEN	0	14
STJV1HDR	38	20	STSAMOD	3	
STJV1MOD	3	0	STASASIZ	C	14
STJ2BUSY	2D	0	STSATERS	38	45
STJ2DPNO	18	0	STSATMOD	3	0
STJ2DPRM	1A	0	STSATYPT	2	
STJ2DPUS	1C	40404040	STSCAHL	4	0
STJ2FLG1	4	0	STSCAHL2	3C	0
STJ2INPN	24	0	STSCASID	6	0
STJ2JKEY	8	0	STSCAVGQ	30	
STJ2JQEI	28	0	STSCESTT	10	
STJ2LEN	0	2E	STSCFLG1	5	0
STJ2MOD	3		STSCHE	38	4
STJ2OFSL	2C	0	STSCJAFF	4	10
STJ2SIZE	2D	2E	STSCJBSY	4	4
STJ2SPAC	14	0	STSCJCLM	4	40
STJ2SPOL	C	0	STSCJCLS	4	80
STJ2TERS	38	2	STSCJSCF	4	2
STJ2TMOD	3	0	STSCJSCH	4	20
STJ2TYPE	2		STSCJSPL	4	8
STJ2XEQN	26	0	STSCLEN	0	0
STJ21CNW	4	10	STSCMLEV	3C	80
STJ21IND	4	40	STSCMOD	3	
STJ21PRO	4	80	STSCNOSY	4	1
STJ21RBL	4	8	STSCPSEQ	38	
STJ21SYS	4	20	STSCQACT	2C	
STJ3JSTM	2C		STSCQNUM	28	
STJ3JSTT	C		STSCQPOS	24	
STJ3LEN	0	12C	STSCQTIM	34	
STJ3MOD	3		STSCSENV	14	40404040
STJ3SIZE	2C	12C	STSCSIZE	3D	3E
STJ3SPOL	4	0	STSCSRVC	8	40404040
STJ3TERS	38	6	STSCCTMOD	3	0
STJ3TMOD	3	0	STSCCTYPT	2	
STJ3TYPE	2		STSC1JCM	5	80
STOTACTO	24	0	STSECLAF	38	5
STOTAPPC	38	65	STSEEYE	0	E2D6E4E3
STOTEXST	1C	0	STSEFLG1	4	0
STOTJID	C	40404040	STSEJNXT	8	
STOTJOB	4	40404040	STSEJNXT_64	18	
STOTLEN	0	28	STSEJOB	C	
STOTMOD	3		STSEJOB_64	20	
STOTSIZ	24	28	STSELEN	0	0
STOTSMOD	3	0	STSEMOD	3	
STOTSTRD	18	0	STSEOFFS	6	
STOTSTRT	14	0	STSEOHDR	4	30
STOTTYPE	2		STSESEC	38	24
STO2FCB	18	40404040	STSESIZE	28	30
STO2FLG1	4	0	STSESIZ1	10	14
STO2FLG2	24	0	STSESIZ2	28	30
STO2FLSH	20	40404040	STSESMOD	3	0
STO2FORM	10	40404040	STSETOKN	8	
STO2LEN	0	25	STSETYPT	2	
STO2MOD	3		STSEVRBO	10	
STO2SIZE	24	25	STSEVRBO_64	28	
STO2SPST	8	0	STSE1ERR	4	80
STO2TMOD	3	0	STSE1JB	4	40
STO2TYPE	2		STSHLEN	0	
STO2UCS	1C	40404040	STSHMOD	3	
STO2VRBO	38	62	STSHSIZE	3	4
STO21BRT	24	80	STSHTYPT	2	
STO21ERR	4	80	STSH1HDR	38	40
STO21ORI	4	40	STSH1MOD	3	0

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STSLLEN	0	0	STST1IPA	AF	20
STSLMOD	3		STST1NSL	AF	4
STSLNUM	4		STST1SPN	AF	8
STSLSIZE	8	8	STST2CIV	87	80
STSLSYS	8		STST2DMN	87	40
STSLTMOD	3	0	STSVLEN	0	
STSLTYPE	2		STSVMOD	3	
STSOF LG1	4	0	STSVSIZE	3	4
STSOLEN	0	0	STSVTYPE	2	
STSOLENP	6	6	STSV1HDR	38	60
STSOMOD	3		STSV1MOD	3	0
STSOOFFS	6		STS2BUSY	56	0
STSOSEC	38	64	STS2CHKT	49	0
STSOSSMOD	3	0	STS2CRTM	1F	0
STSO1ERR	4	80	STS2FLG1	4	0
STSSLEN	0	0	STS2GNAM	2B	40404040
STSSMOD	3		STS2JID1	33	0
STSSNUM	4		STS2JOEI	51	0
STSSSIZE	8	8	STS2LEN	0	57
STSSSYS	8		STS2MOD	3	
STSSSTMOD	3	1	STS2OFSL	55	0
STSSSTYPE	2		STS2OGNM	5	40404040
STSTBYCT	3A	0	STS2RNO D	35	0
STSTCHAR	72	40404040	STS2RRMT	37	0
STSTCLAS	26	40404040	STS2RUSR	39	40404040
STSTCTKN	DD	0	STS2SIZE	56	57
STSTDEST	14	40404040	STS2SPOL	23	0
STSTDEVN	9A	40404040	STS2TERS	38	42
STSTDHLD	AE	80	STS2TMOD	3	0
STSTDISP	AE	0	STS2TSWB	41	0
STSTDKEP	AE	10	STS2TYPE	2	
STSTDLVE	AE	40	STS21DSH	4	80
STSTDWRT	AE	20	STS21TSO	4	40
STSTFCB	4A	40404040	STS21USR	4	20
STSTFLG1	AF	0	STS3FLG1	4	0
STSTFLG2	87	0	STS3LEN	0	C
STSTFLSH	6A	40404040	STS3MOD	3	
STSTFORM	42	40404040	STS3SIZE	8	C
STSTHBDT	AC	4	STS3TERS	38	43
STSTHOPR	AC	80	STS3TMOD	3	0
STSTHRSN	AD	0	STS3TYPE	2	
STSTHSTA	AC	0	STS3WSI	8	0
STSTHSYS	AC	20	STS31FMT	4	20
STSTHTCP	AC	2	STS31WSI	4	40
STSTHTSO	AC	10	STS31XSY	4	80
STSTHUSR	AC	40	STTRAPPC	88	4
STSTHXWT	AC	8	STTRARMR	8A	80
STSTLEN	0	12D	STTRARMS	8A	0
STSTLNCT	36	0	STTRARMW	8A	40
STSTMEM	92	40404040	STTRCLAS	1C	40404040
STSTMOD	3		STTRDEVN	74	40404040
STSTMODC	86	0	STTRHOLD	87	
STSTMODF	82	40404040	STTRJCLD	8B	20
STSTNREC	2E	0	STTRJCOR	A8	
STSTOUID	4	40404040	STTRJDUP	87	3
STSTPAGE	32	0	STTRJHLD	87	2
STSTPMDE	62	40404040	STTRJID	C	40404040
STSTPRIO	B0	0	STTRJNHL	87	1
STSTSECL	C	40404040	STTRJNUM	94	
STSTSIZE	DD	12D	STTRJOB	88	3
STSTSOID	B1	40404040	STTRJTYP	88	
STSTSYS	8A	40404040	STTRLEN	0	EC
STSTTERS	38	41	STTRMEM	6C	40404040
STSTTMOD	3	0	STTRMISC	8B	0
STSTTYPE	2		STTRMOD	3	
STSTUCS	52	40404040	STTRMSPN	8B	80
STSTXWTR	5A	40404040	STTRMXCC	8D	
STST1APC	AF	2	STTRMXRC	8C	
STST1BRT	AF	80	STTRNAME	4	40404040
STST1CPD	AF	10	STTROJID	14	40404040
STST1CTK	AF	1	STTRONOD	24	40404040
STST1DSI	AF	40	STTROUID	54	40404040
			STTRPEOM	8B	40
			STTRPHAZ	86	

SSST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STTRPRIO	89	0	STVBXABN	D4	5
STTRPRND	34	40404040	STVBXCAB	D4	6
STTRPRRE	3C	40404040	STVBXCAN	D4	4
STTRPUND	44	40404040	STVBXCC	D4	2
STTRPURE	4C	40404040	STVBXCDE	D4	40
STTRQPOS	90		STVBXCNV	D4	9
STTRSECL	5C	40404040	STVBXEOM	D4	8
STTRSIZE	E8	EC	STVBXIND	D4	
STTRSLLOG	A0		STVBXINM	D4	F
STTRSPAC	E8	0	STVBXJCL	D4	3
STTRSPUS	98		STVBXNRM	D4	1
STTRSTC	88	1	STVBXREQ	D4	20
STTRSYS	64	40404040	STVBXSEC	D4	7
STTRSYSL	8B	10	STVBXSYS	D4	A
STTRTERS	38	1	STVBXTE	5C	
STTRTMOD	3	0	STVBXTED	60	C
STTRTSU	88	2	STVBXTET	5C	0
STTRTYPE	2		STVBXTS	54	
STTRXAB	8C	80	STVBXTSD	58	C
STTRXABN	8C	5	STVBXTST	54	0
STTRXCAB	8C	6	STVBXUNK	D4	0
STTRXCAN	8C	4	STVB1ERR	4	80
STTRXCC	8C	2	STVEEYE	0	E2D1E5C5
STTRXCDE	8C	40	STVEJOB	8	
STTRXCNV	8C	9	STVEJOB_64	10	
STTRXEOM	8C	8	STVEOHDR	4	18
STTRXIND	8C		STVESIZE	10	18
STTRXINM	8C	F	STVESIZ1	8	C
STTRXJCL	8C	3	STVESIZ2	10	18
STTRXNOD	2C	40404040	STVOEYE	0	E2E2E5C5
STTRXNRM	8C	1	STVOJNXT	C	
STTRXREQ	8C	20	STVOJNXT_64	20	
STTRXSEC	8C	7	STVOJOB	8	
STTRXSYS	8C	A	STVOJOB_64	18	
STTRXUNK	8C	0	STVOOHDR	4	38
STVBACCT	98	40404040	STVOSIZE	30	38
STVBBLDG	A8	40404040	STVOSIZ1	14	18
STVBDEPT	A0	40404040	STVOSIZ2	30	38
STVBFLG1	4	0	STVOSNXT	14	
STVBIDEV	A	40404040	STVOSNXT_64	30	
STVBISID	1C	40404040	STVOSOUT	10	
STVBJCIN	24	0	STVOSOUT_64	28	
STVBJCPY	6	0	STVSBYCT	44	0
STVBJDVT	B8	40404040	STVSCHAR	DC	40404040
STVBJLIN	28	0	STVSCOPY	7C	0
STVBJPAG	2C	0	STVSCTKN	8C	0
STVBJPUN	30	0	STVSDND	16	40404040
STVBJUSR	64	0	STVSDSCL	4	40
STVBLEN	0	D8	STVSDSKY	36	0
STVBLNCT	8	0	STVSDSN	50	40404040
STVBMBR	4C	40404040	STVSFLG1	4	0
STVBMCLS	6C	40404040	STVSFLG2	7E	0
STVBMLRC	D0	0	STVSFLSC	7D	0
STVBMOD	3		STVSLN	0	F1
STVBMXCC	D5		STVSLNCT	3C	0
STVBMXRC	D4		STVSMLRL	3A	0
STVBNOTN	74	40404040	STVSMOD	3	
STVBNOTU	7C	40404040	STVSMODC	F0	0
STVBPNAM	84	40404040	STVSMODF	EC	40404040
STVBROOM	B0	40404040	STVSPGCT	40	0
STVB RTE	3C		STVSPRCD	6	40404040
STVBRTED	40	C	STVSRCCCT	4C	0
STVBRTET	3C	0	STVSREFC	5	0
STVBRTS	34		STVSSEGM	32	0
STVBRTSD	38	C	STVSSIZE	F0	F1
STVBRTST	34	0	STVSSTPD	E	40404040
STVBSIZE	D5	D8	STVSTJID	26	40404040
STVBSUBG	C8	40404040	STVSTJN	1E	40404040
STVBSUBU	C0	40404040	STVSTOD	2E	0
STVBSYS	44	40404040	STVSTYPE	2	
STVBTYPE	2		STVSVMOD	3	0
STVBVMOD	3	0	STVSVRBO	38	61
STVBVRBO	38	21	STVS1DUM	4	2
STVBXAB	D4	80	STVS1ENF	4	1

Name	Hex Offset	Hex Value
STVS1ERR	4	80
STVS1JSL	4	10
STVS1SIN	4	4
STVS1SPN	4	20
STVS1SYS	4	8
STVS2CIV	7E	80
STVS2SPN	7E	40
STV2VRBO	38	22
STV3VRBO	38	23

SSS2 Information

SSS2 Programming Interface information

Programming Interface information

SSS2

End of Programming Interface information

SSS2 Heading Information • SSS2 Map

SSS2 Heading Information

Common Name: SSOB Extension for SYSOUT Application Program Interface (SAPI)
Macro ID: IAZSSS2
DSECT Name: SSS2
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'SSS2'
 Offset: 4
 Length: 4
Storage Attributes: Subpool: any
 Key: Key of SSI caller
 Residency: Any
Size: See SSS2SIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request SYSOUT data sets from JES.

SSS2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSS2	SSOB extension mapping - SSS2
Comment					
Process SYSOUT data sets return codes (SSOBRETN) If a return code > 4 is given, and the SSS2JEST field is non-zero, the application should make a "cleanup" call. A "cleanup" call is requested by the application by setting bit SSS2CTRL in SSS2MSC1 after setting all fields defined by SSS2INPC and SSS2DISC to binary zeros					
End of Comment					
0	(0)	X'0'	0	SSS2RTOK	"0" Everything is ok
0	(0)	X'4'	0	SSS2EODS	"4" No more data sets to select
0	(0)	X'8'	0	SSS2INVA	"8" Invalid search arguments
0	(0)	X'C'	0	SSS2UNAV	"12" Unable to process now
0	(0)	X'10'	0	SSS2DUPJ	"16" Duplicate jobnames (This RC can occur only if SSS2SDUP is on). The duplicate job may or may not have characteristics matching the SSS2 filter set.
0	(0)	X'14'	0	SSS2IDST	"20" Invalid destination specified
Comment					
SS2AUTH EQU 24 Authorization failed					
End of Comment					
0	(0)	X'1C'	0	SSS2TKNM	"28" Token map failed. Application will not be allowed to allocate to data set & DISP=(,KEEP) will be forced
0	(0)	X'20'	0	SSS2LERR	"32" Logic error (See the reason codes defined for SSS2REAS)
0	(0)	X'24'	0	SSS2ICLS	"36" SSS2CLAS not A-Z and not 0-9
0	(0)	X'28'	0	SSS2BDIS	"40" Disposition settings incorrect (See the reason codes defined for SSS2REAS)
0	(0)	X'2C'	0	SSS2CLON	"44" Disposition for data set group not uniform (See SSS2DSH). DISP=(,KEEP) will be forced with no override disposition information honored
0	(0)	ADDRESS	2	SSS2LEN	I.Length of Sysout extension
2	(2)	SIGNED	1	SSS2VER (0)	I.SSOB version
2	(2)	X'1'	0	SSS2IVER	"1" Initial version number
2	(2)	X'2'	0	SSS2VCTP	"2" Version supporting Client Print
2	(2)	X'3'	0	SSS2VJCR	"3" Version supporting Job Correlator
2	(2)	X'3'	0	SSS2CVER	"SSS2VJCR" Current version number
3	(3)	SIGNED	1	SSS2REAS	O.Reason code associated with SSOBRETN value of SSS2LERR, SSS2BDIS or SSS2EODS
Comment					
----- Begin SSS2LERR reason codes -----					
End of Comment					
3	(3)	X'4'	0	SSS2RENI	"4" SSS2JEST zero, but SSS2DSN not null
3	(3)	X'8'	0	SSS2REIP	"8" SSS2SIPA and SSS2SIPN are mutually exclusive
3	(3)	X'C'	0	SSS2RALO	"12" Prior data set still allocated

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	X'10'	0	SSS2RDUP	"16" SSS2SDUP on in SSS2SEL1 and wild cards used in SSS2JOBN
3	(3)	X'14'	0	SSS2RJBI	"20" SSS2JBIH < SSS2JBIL & SSS2SJBI on
3	(3)	X'18'	0	SSS2RCRE	"24" SSS2CREA has error & SSS2SCRE on
3	(3)	X'1C'	0	SSS2RLEN	"28" SSS2LEN is less than SSS2SIZE
3	(3)	X'20'	0	SSS2RTYP	"32" SSS2TYPE is not valid
3	(3)	X'24'	0	SSS2RDES	"36" SSS2DEST has error & SSS2SDST on
3	(3)	X'28'	0	SSS2RJNM	"40" SSS2JOBN has error & SSS2SJBN on
3	(3)	X'2C'	0	SSS2RFRM	"44" SSS2FORM has error & SSS2SFRM on
3	(3)	X'30'	0	SSS2RPGM	"48" SSS2PGMN has error & SSS2SPGM on
3	(3)	X'34'	0	SSS2RPRM	"52" SSS2PRMO has error & SSS2SPRM on
3	(3)	X'38'	0	SSS2RCLS	"56" SSS2CLSL has error & SSS2SCLS on
3	(3)	X'3C'	0	SSS2RFCB	"60" SSS2FCB has error & SSS2SFCB on
3	(3)	X'40'	0	SSS2RUCS	"64" SSS2UCS has error & SSS2SUCS on
3	(3)	X'44'	0	SSS2RCHR	"68" SSS2CHAR has error & SSS2SCHR on
3	(3)	X'48'	0	SSS2RMO	"72" SSS2MOD has error & SSS2SMOD on
3	(3)	X'4C'	0	SSS2RFL	"76" SSS2FLSH has error & SSS2SFLS on
3	(3)	X'50'	0	SSS2RLPM	"80" SSS2LMIN or SSS2LMAX is negative & SSS2SLIN is on -- or -- SSS2PMIN or SSS2PMAX is negative & SSS2SPAG is on
3	(3)	X'54'	0	SSS2RLPG	"84" SSS2LMIN > SSS2LMAX & SSS2SLIN on -- or -- SSS2PMIN > SSS2PMAX & SSS2SPAG on
3	(3)	X'58'	0	SSS2RDE2	"88" SSS2DES2 has error & SSS2TYPE is SSS2BULK & SSS2ROUT on
3	(3)	X'5C'	0	SSS2RVOL	"92" SSS2VOL has error & SSS2SVOL on
3	(3)	X'60'	0	SSS2REYE	"96" SSS2EYE does not have "SSS2"
3	(3)	X'64'	0	SSS2RCTK	"100" SSS2CTKN bad & SSS2SCTK on
3	(3)	X'68'	0	SSS2RBRO	"104" SSS2SBRO on and SSS2TYPE is not SSS2PUGE
3	(3)	X'6C'	0	SSS2RECJ	"108" SSS2SCTK & SSS2SJBI are mutually exclusive
3	(3)	X'70'	0	SSS2RODS	"112" SSS2ODST has error & SSS2SODS on
3	(3)	X'74'	0	SSS2RGID	"116" SSS2GRID has error & SSS2SGID on
3	(3)	X'78'	0	SSS2RJCR	"120" SSS2JCRP has error & SSS2SCOR on

Comment

Reason codes through 180 reserved for SSS2LERR

 End of SSS2LERR reason codes

 Begin SSS2BDIS reason codes

End of Comment

3	(3)	X'B8'	0	SSS2RDCL	"184" SSS2DCLS has error
3	(3)	X'BC'	0	SSS2RDFR	"188" SSS2DFOR has error
3	(3)	X'CO'	0	SSS2RDPG	"192" SSS2DPGM has error
3	(3)	X'C4'	0	SSS2RDDDS	"196" SSS2DDES has error
3	(3)	X'C8'	0	SSS2RDHR	"200" Both SSS2DHLD & SSS2DRLS specified
3	(3)	X'CC'	0	SSS2RRON	"204" SSS2SRON on, but attempt made to change data set

Comment

Reason codes through 232 reserved for SSS2BDIS

 End of SSS2BDIS reason codes

 Begin SSS2RTOK reason codes

End of Comment

3	(3)	X'EC'	0	SSS2RBLK	"236" Data Set is blocked output (i.e. Operator/user hold)
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SSS2 Map

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

End of SSS2RTOK reason codes					

Begin SSS2EODS reason codes					
The following SSS2EODS reason codes are applicable only when SSS2CTKN is used as a filter:					
SSS2RENM					
SSS2RENS					

					End of Comment
3	(3)	X'F0'	0	SSS2RENM	"240" No matching output
3	(3)	X'F4'	0	SSS2RENS	"244" Matching output not selectable
					Comment
Reason codes through 252 reserved for SSS2EODS					

End of SSS2EODS reason codes					

					End of Comment
4	(4)	CHARACTER	4	SSS2EYE	I.Eye catcher
8	(8)	CHARACTER	8	SSS2APPL	I.For application use. Either leave as binary zeros or supply an EBCDIC value which can be used for display purposes
16	(10)	BITSTRING	20	SSS2APL1	I.For application use.
					Comment

Applicable to each of the different type of calls defined for SSS2TYPE are the following:					
(1) The availability of data sets to select are considered those that are available at the time the search for a data set matching the selection criteria begins. That is, if a data set matching the selection criteria is created while the search is in progress, it is possible that the data set will not be found during this search.					
(2) The availability of data sets to select are considered those that are not currently being processed.					
(3) The use of the token returned from Extended Status (SSI 80) can result in an EOD return code (SSS2EODS) returned to the user. This can result when the SYSOUT available at the time Extended Status was used has been processed by the time this call was made (SSS2RENM) or is currently being processed (SSS2RENS).					

					End of Comment
36	(24)	BITSTRING	1	SSS2TYPE (0)	I.Type of call
					Comment

Request type of put/get. Find a data set matching the selection criteria.					
See above comments for SSS2TYPE for information about selection of matching SYSOUT.					

					End of Comment
36	(24)	X'1'	0	SSS2PUGE	"1" Request type of Put/Get

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
<p>Request type of Count. Find data sets matching the selection criteria and count the number of data sets and the number of lines, pages, bytes, and records in those data sets. SAF checks are not made for the data sets. Counts are only a snapshot at the time the JES processes the request. See above comments for SSS2TYPE for information about selection of matching SYSOUT.</p>					
					End of Comment
36	(24)	X'2'	0	SSS2COUN	"2" Request type of Count.
					Comment
<p>Bulk modify request. Find data sets matching the selection criteria and dispose of them as indicated in flag SSS2UFLG. No data sets will be made available to the caller. See above comments for SSS2TYPE for information about selection of matching SYSOUT.</p>					
					End of Comment
36	(24)	X'3'	0	SSS2BULK	"3" Bulk modify request.
					Comment
<p>-----</p>					
					End of Comment
37	(25)	ADDRESS	3		Reserved for future use and must be zero
					Comment
<p>Begin optional input-only fields</p>					
					End of Comment
40	(28)	SIGNED	4	SSS2INPT (0)	Beginning of input fields
					Comment
<p>-----</p>					
<p>Address of an ECB to be POSTed when work is selected which satisfies the selection criteria that was in this SSOB when the return code of SSS2EODS was last returned. The ECB can be in private or common storage. Caller is allowed to free the memory for this ECB only after making a call with SSS2CTRL on in SSS2MSC1</p>					
					End of Comment
40	(28)	ADDRESS	4	SSS2ECBP	I.ECB address (see above)

SSS2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
<p>It is expected that SSS2RBA with the attendant SSS2CHKP bit will be used by applications as a mechanism for interrupting the normal processing of a group of data sets. The most JES-efficient use of this approach is to process and delete data sets and to use the RBA mechanism only when the application wants to defer processing to a later time.</p>					
					End of Comment
44	(2C)	BITSTRING	8	SSS2RBA	IO.Relative Byte Address of first record to be read (See RPLRBAR)
					Comment
<p>SSS2UFLG is meaningful only if SSS2BULK is specified in SSS2TYPE</p>					
					End of Comment
52	(34)	BITSTRING	1	SSS2UFLG	IBM.User disposition flags
		1...		SSS2SETC	"B'10000000" Use SSS2CLAS as the new class
		.1...		SSS2DELC	"B'01000000" Delete selected data set(s)
		..1.		SSS2ROUT	"B'00100000" Use SSS2DES2 as the new data set destination
		...1		SSS2RLSE	"B'00010000" Release selected data sets
					Comment
<p>B'00001111' Reserved for future use and must X</p>					
					End of Comment
53	(35)	BITSTRING	1	(2)	Reserved for future use and must be zero
55	(37)	BITSTRING	1	SSS2SEL1	IS.Data set selection flags
					Comment
<p>Selection from one, two, or three queues can be specified. Held output and output destined for writers will be intermixed. The order of output with respect to held and non-held is not predictable.</p>					
					End of Comment
		1...		SSS2SHLD	"B'10000000" Select "HOLD/LEAVE" output (JES2); Select "hold for TSO" output (JES3)
		.1...		SSS2SXWH	"B'01000000" Select "hold for XWTR". In a JES2 environment, this has the same meaning as SSS2SHLD.
		11...		SSS2SHOL	"B'11000000" Select from the hold queue. Specifying this setting guarantees that held output will be returned regardless of the JES servicing this request.
		..1.		SSS2SWTR	"B'00100000" Select "WRITE/KEEP" output (JES2); Select from the writer queue if JES3.
55	(37)	X'E0'	0	SSS2SAWT	"SSS2SHLD+SSS2SXWH+SSS2SWTR" Select from all the above. If none of the three bits is set, then the request will be handled as if SSS2SWTR were specified.
		...1		SSS2SCLS	"B'00010000" Use SSS2CLSL as the class selection list
		.... 1...		SSS2SDST	"B'00001000" Use SSS2DEST as a filter
		.... .1..		SSS2SJBN	"B'00000100" Use SSS2JOBN as a filter
		.... .11.		SSS2SDUP	"B'00000110" Use SSS2JOBN as a filter, but give RC of SSS2DUPJ if duplicate jobs. This setting meaningful only if SSS2JOBN has no wild card characters. This setting is not used for a Bulk Modify (SSS2BULK) or Count (SSS2COUN) request.
		.... ..1.		SSS2SDU2	"B'00000010" Give RC of SSS2DUPJ if duplicate job. This bit meaningful only if SSS2JOBN also set on
		.... ...1		SSS2SJBI	"B'00000001" Use SSS2JBIL and SSS2JBIH as filters. Mutually exclusive with SSS2SCTK
56	(38)	BITSTRING	1	SSS2SEL2	IS.More data set selection flags
		1...		SSS2SPGM	"B'10000000" Use SSS2PGMN as a filter
56	(38)	X'80'	0	SSS2SGID	"SSS2SPGM" Use SSS2GRID as a filter (internal JES3 only)
		.1...		SSS2SFRM	"B'01000000" Use SSS2FORM as a filter
		..1.		SSS2SCRE	"B'00100000" Use SSS2CREA as a filter

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		SSS2SPRM	"B'00010000" Use SSS2PRMO as a filter
		.... 1...		SSS2SIPA	"B'00001000" Only select output which has an Internet Protocol (IP) address
		.... .1..		SSS2SIPN	"B'00000100" Only select output which has no IP address. This setting is mutually exclusive with SSS2SIPA
		.... ..1.		SSS2SFCB	"B'00000010" Use SSS2FCB as a filter
57	(39)	BITSTRING	1	SSS2SUCS	"B'00000001" Use SSS2UCS as a filter
		1...		SSS2SEL3	IS.More data set selection flags
		..1.		SSS2SSTC	"B'10000000" Include Started Tasks (STCs) (see note in SSS2STYP)
		..1.		SSS2STSU	"B'01000000" Include Time Sharing Users (TSUs) (see note in SSS2STYP)
		..1.		SSS2SJOB	"B'00100000" Include batch jobs (JOBS) (see note in SSS2STYP)
		..1.		SSS2SAPC	"B'00010000" Include APPC output (see note in SSS2STYP)

Comment

B'00001111' Reserved for future output types

End of Comment

		1111 1111		SSS2STYP	"B'11111111" If none of these bits is on, then selection will be as if ALL of the bits are on.
58	(3A)	BITSTRING	1	SSS2SEL4	IS.More data set selection flags
		1...		SSS2SMOD	"B'10000000" Use SSS2MOD as a filter (SSS2NMOD in SSS2RET2 on if the JES does not support)
		..1.		SSS2SFLS	"B'01000000" Use SSS2FLSH as a filter
		..1.		SSS2SAGE	"B'00100000" Data sets selected must be at least as old as the value in SSS2AGE.
		...1		SSS2SLIN	"B'00010000" Use minimum and maximum line counts specified in SSS2LMIN and SSS2LMAX as a data set group filter
		.... 1...		SSS2SPAG	"B'00001000" Use minimum and maximum page counts specified in SSS2PMIN and SSS2PMAX as a data set group filter
		.... ..1.		SSS2SPRI	"B'00000100" Select output based on priority
		.... ..1.		SSS2SVOL	"B'00000010" Select output based on the volume serial list in SSS2VOL (SSS2NVOL in SSS2RET2 on if the JES does not support)
		.... ...1		SSS2SCHR	"B'00000001" Use Printer translation tables in SSS2CHAR as a filter (SSS2NCHR in SSS2RET2 on if the JES does not support)
59	(3B)	BITSTRING	1	SSS2SEL5	IS.More data set selection flags
		1...		SSS2SCPN	"B'10000000" Only select output which is not a CPDS (Composed Page Data Set)

Comment

 This filter can be used as the only input or in conjunction with the use of additional filters. If other filters are used, they must all match the SYSOUT attributes.

End of Comment

		..1.		SSS2SCTK	"B'01000000" Use SSS2CTKN as a filter Mutually exclusive with SSS2SJB1
		..1.		SSS2SBRO	"B'00100000" Application intent is to browse
		...1		SSS2SODS	"B'00010000" Use SSS2ODST as a filter
		.... 1...		SSS2SRON	"B'00001000" Application intent is to read data sets only

Comment

 This filter is only meaningful when used in conjunction with filter SSS2SCTK. Blocked output is defined as output that has been held by a user or an operator, as indicated by appropriate flag(s) being set.

End of Comment

		.... ..1.		SSS2SBLK	"B'00000100" Application wants blocked output
		.... ..1.		SSS2SENL	"B'00000010" Enforce line limits set in SSS2LMIN, SSS2LMAX. (JES2 only)
		.... ...1		SSS2SENP	"B'00000001" Enforce page limits set in SSS2PMIN, SSS2PMAX. (JES2 only)
60	(3C)	BITSTRING	1	SSS2SEL6	IS.More data set selection flags
		1...		SSS2STPN	"B'10000000" Match SSS2JOB to transaction job name
		..1.		SSS2STPI	"B'01000000" Match SSS2JBIL and SSS2JBIH to transaction job ids. If on, SSS2JBIL and SSS2JBIH can be EBCDIC characters (A-Z, 0-9).
		..1.		SSS2SIG0	"B'00100000" Ignore line/page limits when corresponding actuals are zero (if SSS2SENL and SSS2SENP are off)

SSS2 Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		...1		SSS2SCOR	"B'00010000" Use SSS2JCRP as a pointer to a 64 byte job correlator filter	
61	(3D)	BITSTRING	1		Reserved for future use and must be zero	
62	(3E)	BITSTRING	1	SSS2MSC1	IS.Current data set misc. flags	
		1...		SSS2CTRL	"B'10000000" On - Processing complete Off- Return data set name	
		.11.		SSS2FSWB	"B'01100000" Return token for SJFREQ calls in field SSS2SWBT. This also means that the address of the SWBTUREQ buffer is returned in field SSS2SWTU	
		..1.		SSS2FSWT	"B'00100000" Return address of SWBTUREQ buffer in field SSS2SWTU	
		...1		SSS2NJEH	"B'00010000" Return address of NJE data set and job headers if available (SSS2NJED for data set header; SSS2NJEJ for job header) (SSS2NNHD in SSS2RET2 on if the JES does not support)	
Comment						
B'00001111' Reserved for future use and must X						
End of Comment						
63	(3F)	BITSTRING	1	(3)	Reserved for future use and must be zero	
66	(42)	CHARACTER	8	SSS2JOBN	IS*.Jobname used for selection (if SSS2SJBN on)	
Comment						
<p>-----</p> <p>jobid's are of the form: xxxnnnnn where xxx is JOB, JO, or J nnnnn is 1 to 7 digits embedded and trailing blanks are OK To influence the type of job selected, use the settings in SSS2SEL3.</p> <p>-----</p>						
End of Comment						
74	(4A)	CHARACTER	8	SSS2JBIL	IS.Low jobid used for selection (if SSS2SJBI on).	
82	(52)	CHARACTER	8	SSS2JBIH	IS.High jobid used for selection (if SSS2SJBI on). This value must be null or at least as high as SSS2JBIL.	
90	(5A)	CHARACTER	8	SSS2CREA	IS*.Owning userid used for selection (if SSS2SCRE on) This is the SAF userid of the creating unit of work	
98	(62)	CHARACTER	8	SSS2PRMO (4)	IS*.1 to 4 PRMODEs used for selection (if SSS2SPRM on). A sparse list is supported	
98	(62)	X'62'	0	SSS2PRMC	"SSS2PRMO,*-SSS2PRMO,C'C" PRMODEs	
Comment						
<p>-----</p> <p>In JES2, the userid portion of the destination can contain the generic characters ' ' and '?'. This can match SYSOUT with a route code that contains a corresponding userid routing. However, destinations of the format 'R ', 'RM ', 'RMT ', 'U ', and 'N ' will not match SYSOUT with a route code of remote, special local, local, anylocal, or NJE. Also, wildcards are not supported for destinations defined by DESTID initialization statements. For more information, see z/OS JES2 Initialization & Tuning Guide's chapter, Controlling JES2 Processes.</p> <p>-----</p>						
End of Comment						
130	(82)	CHARACTER	18	SSS2DEST	IS*.Destination value used for selection (if SSS2SDST on). The format is node.userid or node.remote	
148	(94)	BITSTRING	18		Reserved for future use and must zero	
166	(A6)	CHARACTER	18	SSS2DES2	IBM.Destination value used for new destination (if SSS2ROUT on). The format is node.userid or node.remote	
184	(B8)	CHARACTER	8	SSS2PGMN	IS*.User writer name used for selection (if SSS2SPGM is on).	
184	(B8)	X'B8'	0	SSS2GRID	"SSS2PGMN,8,C'C" IS.Group id for NJE/TCP selection (internal JES3 only)	
192	(C0)	CHARACTER	8	SSS2FORM (8)	IS*.Form numbers used for selection (if SSS2SFRM is on). A sparse list is supported	
192	(C0)	X'C0'	0	SSS2FORC	"SSS2FORM,*-SSS2FORM,C'C" Form numbers	
256	(100)	BITSTRING	8		Reserved for future use and must be zero	
264	(108)	BITSTRING	8		Reserved for future use and must be zero	
272	(110)	CHARACTER	36	SSS2CLSL	IS.Sysout class list used for selection (if SSS2SCLS is on).	
308	(134)	CHARACTER	1	SSS2CLAS	IBM.New class if SSS2SETC is on.	
309	(135)	BITSTRING	7		Really reserved for future SYSOUT class use.	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
316	(13C)	SIGNED	4	SSS2LMIN	IS.Minimum line count for data set group (if SSS2SLIN is on)
320	(140)	SIGNED	4	SSS2LMAX (0)	IS.Maximum line count for data set group (if SSS2SLIN is on)
324	(144)	SIGNED	4	SSS2PMIN	IS.Minimum page count for data set group (if SSS2SPAG is on)
328	(148)	SIGNED	4	SSS2PMAX (0)	IS.Maximum page count for data set group (if SSS2SPAG is on)
332	(14C)	CHARACTER	4	SSS2FCB	IS.FCB image name used for selection (if SSS2SFCB is on)
336	(150)	CHARACTER	4	SSS2UCS	IS.UCS image name used for selection (if SSS2SUCS is on)
340	(154)	CHARACTER	4	SSS2CHAR (4)	IS.Printer translate table selection (if SSS2SCHR is on). Supported only by JES3. A sparse list is supported
340	(154)	X'154'	0	SSS2CHAC	"SSS2CHAR,*-SSS2CHAR,C'C" Printer translate tables
356	(164)	CHARACTER	4	SSS2MOD	IS.Modify image used for selection (if SSS2SMOD is on) Supported only by JES3.
360	(168)	CHARACTER	4	SSS2FLSH	IS.Flash cartridge ID for selection (if SSS2SFLS is on)
364	(16C)	ADDRESS	4	SSS2SECT	I.Zero or an address of where the JES should place the security token. If the address of the token is provided, the version and length are presumed to be in the token.
368	(170)	BITSTRING	4	SSS2AGE	IS.Minimum age of data sets to be selected (if SSS2SAGE is on). The low order bit represents 1.048576 seconds.
372	(174)	CHARACTER	6	SSS2VOL (4)	IS.List of SPOOL volume serial numbers. When SSS2SVOL is on, jobs are selected if and only if the job has output on at least one of the volumes listed. (JES2 only) A sparse list is supported
372	(174)	X'174'	0	SSS2VOLC	"SSS2VOL,*-SSS2VOL,C'C" Volume serials

Comment

The contents of the token pointed to by field SSS2CTKN are created by JES. The token allows for a quicker method of finding the associated data set. The tokens should not be compared or otherwise used except on SAPI or Extended Status calls. Two different tokens obtained via different means can point to the same data set. The token may have been obtained via:

- o A previous Extended Status request (see field STSTCTKN)
- o As the output of a PUT/GET request (in field SSS2DSTR)
- o Dynamic Allocation that specified the DALRTCTK text unit

End of Comment

396	(18C)	ADDRESS	4	SSS2CTKN	IS.Address of client token used for selection (if SSS2SCTK is on).
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Comment

Origin node is the NJE node of work submission. It is not the node of execution.

End of Comment

400	(190)	CHARACTER	8	SSS2ODST	IS*.Origin node name used for selection (if SSS2SODS is on)
408	(198)	ADDRESS	4	SSS2JCRP	IS*.Address of a 64 byte job correlator used for selection (if SSS2SCOR is on).
412	(19C)	SIGNED	4	(8)	Reserved for future use and must be zero
412	(19C)	X'28'	0	SSS2INPC	"SSS2INPT,*-SSS2INPT,C'X" All input fields

Comment

Begin optional disposition fields. These field are used to determine what is to be done with the data set that was last returned to the application and which is now being disposed of. If this is the first put/get call, then there is no "last" data set and so the following information is ignored. Settings in SSS2DSP1 and other dispositions are honored if and only if the keep bit (SSS2DKPE) is on. If SSS2DKPE is off and the data set has OUTDISP=KEEP then the data set will have OUTDISP=LEAVE after processing. If SSS2DKPE is off and the data set does not have OUTDISP=KEEP then the data set will be deleted regardless of other disposition settings in this section.

End of Comment

SSS2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
444	(1BC)	SIGNED	4	SSS2DISP (0)	Beginning of disposition fields
444	(1BC)	BITSTRING	1	SSS2DSP1	ID.Flags describing the disposition for the data set whose name is currently in SSS2DSN.
		1...		SSS2DKPE	"B'10000000" Keep the data set
		.1..		SSS2RHLD	"B'01000000" Keep the data set and make it non-selectable (system hold)
Comment					
<p>SSS2RNPR on means that the JES will not return the data set to the application address space again. The application should treat this as a suggestion (not iron clad) to the JES. The data set could be seen again by the application if:</p> <ul style="list-style-type: none"> o The JES is restarted o The application is restarted o Some characteristic is changed by the operator or another application. 					
End of Comment					
		..1.		SSS2RNPR	"B'00100000" Keep the data set and leave it selectable, but never return to this Sysout API address space again
Comment					
----- SSS2DHLD and SSS2RLS are mutually exclusive -----					
End of Comment					
		...1		SSS2DHLD	"B'00010000" Hold the data set
		.... 1...		SSS2DRLS	"B'00001000" Release the data set
		.... .1..		SSS2CHKP	"B'00000100" Use SSS2RBA to checkpoint the data set position. Next data set returned will have SSS2DSF on
		.... ..1.		SSS2DNWR	"B'00000010" Set writer name to a null value
Comment					
<p>SSS2RNPT on means that the JES will not return the data set to the application thread again. A thread begins with the first receipt of a token in field SSS2JEST and ends when the thread calls JES with the SSS2CTRL flag set. Other threads will be able to obtain the data set, provided their selection criteria allow it. The application should treat this as a suggestion (not iron clad) to the JES. The data set could be seen again by the thread if:</p> <ul style="list-style-type: none"> o The JES is restarted o Some characteristic is changed by the operator or another application or thread. o Selection by token is requested 					
End of Comment					
		.... ..1		SSS2RNPT	"B'00000001" Leave the data set selectable, but never return to this Sysout API thread again
445	(1BD)	BITSTRING	1	SSS2DSP2	ID.Flags describing the disposition for the data set whose name is currently in SSS2DSN.
		1...		SSS2RPRI	"B'10000000" SSS2DPRI is set
		.1..		SSS2DNFO	"B'01000000" Set forms code to the installation default
		..1.		SSS2REMV	"B'00100000" Ensure data set removed from current JOE (JES2)
		...1		SSS2RENF	"B'00010000" Request Data Set Notification (ENF58)
446	(1BE)	BITSTRING	1	(2)	Reserved for future use and must be zero

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The following fields are used to change a subset of the data set characteristics. These only have meaning if the data set is kept (SSS2DKEP on in SSS2DSP1).</p> <p>A null value (all blanks or all X'00') is taken to mean that no override is desired for character fields. A value of zero for a binary field is taken to mean that no override is desired.</p>					
End of Comment					
448	(1C0)	CHARACTER	1	SSS2DCLS	ID.New class
449	(1C1)	BITSTRING	7		Really reserved for future use and must be zero
456	(1C8)	CHARACTER	8	SSS2DFOR	ID.New forms
464	(1D0)	CHARACTER	8	SSS2DPGM	ID.New user writer name
472	(1D8)	CHARACTER	18	SSS2DDES	ID.New destination. The format is node.userid or node.remote
490	(1EA)	SIGNED	2	SSS2CLFT	ID.Number of copies left to process Values > 255 are treated as 255
492	(1EC)	SIGNED	1	SSS2DPRI	ID.New data set priority
493	(1ED)	BITSTRING	3		Reserved for future use and must be zero
493	(1ED)	X'1BC'	0	SSS2DISC	"SSS2DISP,-SSS2DISP,C'X'" Disposition fields
Comment					

End of optional disposition fields.					

Begin output-only fields					
End of Comment					
540	(21C)	SIGNED	4	SSS2OUTP (0)	O.Beginning of output area
Comment					
<p>The JES token returned in SSS2JEST is the linking mechanism that ties SAPI requests and DYNALLOC requests together. In addition, the token is what ties the stream of requests together. SAPI is designed such that for a given call of type SSS2PUGE, the last data set returned to the caller (for this stream) is disposed of before the next data set is provided.</p> <p>The application must provide DALSSREQ (supplying the JES subsystem name (e.g. JES2 or JESA or JES3)) and a dynamic allocation text unit pointer which points to the address supplied in SSS2BTOK. In addition a text unit with DALDSNAM which uses the data set name returned in SSS2DSN must be supplied.</p> <p>R1 ---> A(RBpointer) High order bit on</p> <pre> | +-----+ | V RB (request block) . . . S99TXTPP address of text pointers | +-----> A(text1) | +----> AL2(DALDSNAM,1,44) CL44'data set name' A(text2) | +----> AL2(DALSSREQ,1,4) CL4'subsystem name' A(value copied from field SSS2BTOK) | +----> AL2(DALBRTKN,7,...) </pre>					

SSS2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					. high order bit on for last pointer
End of Comment					
540	(21C)	BITSTRING	12	SSS2JEST	O.JES token associated with this SAPI request. A zero value here implies that this is a new request. A new request implies that the SSS2DSN is null.
552	(228)	ADDRESS	4	SSS2BTOK	O.Address of a JES initialized data area which must be pointed to by a dynamic allocation text unit pointer.
556	(22C)	SIGNED	2	SSS2COPY	O.Total number of copies requested by creator. A data set will be returned via this interface only once no matter how many copies were specified by the creator.
558	(22E)	SIGNED	2		Reserved for future use and must be zero
560	(230)	SIGNED	1	SSS2CPYG (8)	O.Copy groups
568	(238)	CHARACTER	8	SSS2JOBOR	O.Jobname of selected job
576	(240)	CHARACTER	8	SSS2JBIR	O.Job ID of selected job
584	(248)	CHARACTER	8	SSS2OJBI	O.Original jobid of selected job. (Original id may be different from current jobid) (JES3 always returns blanks)
592	(250)	CHARACTER	8	SSS2CRER	O.Owning userid of data set selected
600	(258)	CHARACTER	8	SSS2JDVT	O.JCL Definition Vector Table
608	(260)	CHARACTER	8	SSS2PRMR	O.PRMODE of data set selected
616	(268)	CHARACTER	18	SSS2DESR	O.Destination of selected data set. The format is node.userid or node.remote
634	(27A)	CHARACTER	8	SSS2PGMR	O.Writer name of selected data set
642	(282)	CHARACTER	8	SSS2FORR	O.Form number of selected data set
650	(28A)	CHARACTER	8	SSS2TJN	O.Transaction (APPC) Program jobname that created this data set
658	(292)	CHARACTER	8	SSS2TJID	O.Transaction (APPC) Program Job ID that created this data set
666	(29A)	CHARACTER	44	SSS2DSN	O.Data set name of selected data set. Must be blanks or zeros if SSS2JEST is zero. No assumptions should be made regarding the format of the data set name
710	(2C6)	SIGNED	2		Reserved for future use and must be zero
712	(2C8)	SIGNED	4	SSS2SEGM	O.Segment id (zero if data set not segmented)
716	(2CC)	SIGNED	4	SSS2WRTN	O.SWB Processing Error - Return Code. Reason code field SSS2WRSN also set
716	(2CC)	X'0'	0	SSS2WOK	"0" Processing successful
716	(2CC)	X'4'	0	SSS2WERR	"4" Processing failed

Comment

SSS2WRSN has the following values:
 SSSSCCRR where SSSSCCRR is defined as:
 SSSS Reason code from SJF service RR
 or a qualifier for a JES service error
 CC Return code from SJF service RR -
 00 if RR is 4 or 8
 RR indicates the SJF service or JES service
 4 = JES SPOOL I/O Error
 8 = JES Memory management error
 12 = SWB_MERGE
 16 = PUTSWB
 20 = JDTEXTTRACT
 24 = SWBTUREQ RETRIEVE

End of Comment

720	(2D0)	SIGNED	4	SSS2WRSN	O.SWB Processing Error - Reason Code set to non-zero only if SSS2WRTN is non-zero
724	(2D4)	CHARACTER	1	SSS2CLAR	O.Sysout class of selected data set
725	(2D5)	BITSTRING	7		Really reserved for future use and must be zero
732	(2DC)	SIGNED	2	SSS2MLRL	O.Maximum logical record length (LRECL)
734	(2DE)	CHARACTER	8	SSS2DSID	O.DSID for the selected data set
742	(2E6)	BITSTRING	1	SSS2RET1	O.Returned flags
		1...		SSS2GNVA	"B'10000000" An output group name has been returned in SSS2OGNM (JES2 only)
		.1.		SSS2DSCL	"B'01000000" Line count, page count, byte count, and record count (SSS2LNCT, SSS2PGCT, SSS2BYCT, and SSS2RCCT) are accurate. This bit will not be on if there was an abnormal termination or the data was created on a different node.
		..1.		SSS2DSF	"B'00100000" First data set in output group
		..11		SSS2DSC	"B'00110000" Output group being continued
		.... 1...		SSS2DSL	"B'00001000" Last data set in output group
		.... ..1.		SSS2IP	"B'00000100" An Internet Protocol (IP) destination is available in the SJF data. See (SSS2SWBT and SSS2SWTU)
		.... ..1.		SSS2BRST	"B'00000010" BURST=YES specified
		.... ...1		SSS2OPTJ	"B'00000001" OPTCD=J specified
743	(2E7)	BITSTRING	1	SSS2RET2	O.Returned flags

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1...		SSS2NCHR	"B'10000000" Selection using printer translation tables not supported Turned on only if JES does not support and SSS2SCHR is on
		.1..		SSS2NVOL	"B'01000000" Selecting output based on a volume serial list not supported
		..1.		SSS2NNHD	Turned on only if JES does not support and SSS2SVOL is on
		...1		SSS2NMOD	"B'00100000" Returning addresses of NJE headers not supported Turned on only if JES does not support and SSS2NJEH is on
		.... 1..		SSS2NPRI	"B'00010000" Selecting output based on Copy modification not supported
		.... .1..		SSS2NIPA	Turned on only if JES does not support and SSS2SMOD is on
744	(2E8)	BITSTRING	1	SSS2RET3	"B'00001000" Selecting output in priority order not supported. Turned on only if JES does not support and SSS2SPRI is on
		1...		SSS2RSTC	O.Returned flags
		.1..		SSS2RTSU	"B'10000000" Data set created by a started task (STC)
		..1.		SSS2RJOB	"B'01000000" Data set created by a time sharing user (TSU)
745	(2E9)	BITSTRING	1	SSS2RET4	"B'00100000" Data set created by a batch job
		1...		SSS2CPDS	O.Returned flags
		.1..		SSS2SPUN	"B'10000000" Data set has page mode data
		..1.		SSS2DSH	"B'01000000" Data set was spun at close
746	(2EA)	BITSTRING	1	SSS2RET5	"B'00100000" All data sets in the current output group must be unallocated identically
		1...		SSS2RHLV	O.Queue where data set resides
		.1..		SSS2RXWH	"B'10000000" Data set on "HOLD/LEAVE" queue (JES2) or "hold @OW32461 for TSO" queue (JES3) @OW32461
		11..		SSS2RHOL	"B'01000000" Data set on "hold for @OW32461 XWTR" queue. This @OW32461 bit will never be on in a JES2 environment.
		..1.		SSS2RWTR	"B'11000000" Data set on one of the held queues if one of these bits is on.
					"B'00100000" Data set on "WRITE/KEEP" queue (JES2) or "writer" queue if JES3

Comment

EQU B'00011111' Reserved for future use

End of Comment

747	(2EB)	BITSTRING	1	SSS2RFOR	Record format
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Comment

The following four count fields are valid only if SSS2DSCL is on in SSS2RET1.
The fields represent counts for the single data set returned if SSS2TYPE is SSS2PUGE. The fields represent the total for all data sets selected if SSS2TYPE is SSS2COUN.

End of Comment

748	(2EC)	SIGNED	4	SSS2LNCT	O.Line count
752	(2F0)	SIGNED	4	SSS2PGCT	O.Page count
756	(2F4)	SIGNED	4	SSS2BYCT (2)	O.Byte count after blank truncation 63 bit right justified
764	(2FC)	SIGNED	4	SSS2RCCT	O.Record count (JES3 only)
768	(300)	CHARACTER	8	SSS2PRCD	O.Procname for the step creating this data set
776	(308)	CHARACTER	8	SSS2STPD	O.Stepname for the step creating this data set
784	(310)	CHARACTER	8	SSS2DDND	O.DDNAME for the data set creation
792	(318)	BITSTRING	8	SSS2SWBT	O.Token used for SJFREQ services. This field is filled in if flag SSS2FSWB is set.
800	(320)	ADDRESS	4	SSS2SWTU	O.Address of the SWBTU block. This field is filled in if flag SSS2FSWT or SSS2FSWB is set.

Comment

Data in SSS2PRIV is installation dependent data

End of Comment

804	(324)	BITSTRING	8	SSS2PRIV	IO.Copied from/to SAPPRIV if JES2, copied from/to COWPRIV if JES3.
812	(32C)	CHARACTER	4	SSS2CHR1	O.Printer translate table 1
816	(330)	CHARACTER	4	SSS2CHR2	O.Printer translate table 2
820	(334)	CHARACTER	4	SSS2CHR3	O.Printer translate table 3
824	(338)	CHARACTER	4	SSS2CHR4	O.Printer translate table 4

SSS2 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>The data set returned with a given output group name will not necessarily continue to have the given output group name if this request keeps the data set.</p>					
End of Comment					
828	(33C)	CHARACTER	26	SSS2OGNM	O.JES2 output group name
854	(356)	BITSTRING	2		Reserved for future use and must be zero
856	(358)	CHARACTER	4	SSS2RMOD	O.Printer copy modification
860	(35C)	SIGNED	1	SSS2MODT	O.Printer table reference character
861	(35D)	CHARACTER	4	SSS2RFLS	O.Printer flash cartridge ID
865	(361)	SIGNED	1	SSS2FLSC	O.Number of flash copies
866	(362)	SIGNED	1	SSS2PRIO	O.Data set priority
867	(363)	SIGNED	1	SSS2LINC	O.Lines/page (JES2 only)
868	(364)	BITSTRING	4	SSS2TOD	O.Date and time of data set availability in TOD format (i.e. this value is the high order word of the TOD clock obtained via a STCK)
872	(368)	SIGNED	4	SSS2CDS	O.Count of work units (JOEs/OSEs) which match the selection criteria.
876	(36C)	ADDRESS	4	SSS2NJED	O.Address of NJE data set header. This field will be non-zero if a data set header is available and SSS2NJEH flag is on
880	(370)	CHARACTER	4	SSS2FCBR	O.Forms Control Buf (FCB) Set to asterisks (*****) if default FCB is returned
884	(374)	CHARACTER	4	SSS2UCSR	O.Univ Character Set (UCS) Set to asterisks (*****) if default UCS is returned
888	(378)	ADDRESS	4	SSS2DSTR	O.Address of data set token
892	(37C)	BITSTRING	4	SSS2WSI	O.Work Selection Identifier (JES3 only)
896	(380)	SIGNED	4	SSS2DSNM	O.Data set number
900	(384)	SIGNED	4	(7)	Reserved for future use and must be zero.
Comment					
<p>Begin JOB level output-only fields</p>					
End of Comment					
928	(3A0)	CHARACTER	20	SSS2PNAM	O.Programmer name from the JOB statement
948	(3B4)	CHARACTER	8	SSS2ROOM	O.Job level room number
956	(3BC)	CHARACTER	8	SSS2NOTN	O.Job notify node
964	(3C4)	CHARACTER	8	SSS2NOTU	O.Job notify userid
Comment					
<p>Accounting information is provided in "SMF" format, just as it is in type 5 and type 30 SMF records.</p> <p>AL1(number-of-pairs-that-follow) followed by 0 or more pairs of the form: AL1(length),CLlength'string' A length of 0 indicates an omitted field</p> <p>Example: Accounting information of (X3600,42,,FERN) DC AL1(4) Nr of fields DC AL1(5),CL5'X3600' field 1 DC AL1(2),CL2'42' field 2 DC AL1(0) field 3 (null) DC AL1(4),CL4'FERN' field 4</p>					
End of Comment					
972	(3CC)	ADDRESS	4	SSS2ACCT	O.Address of encoded accounting information.
976	(3D0)	CHARACTER	8	SSS2XEQ	O.Node where job executed
984	(3D8)	CHARACTER	8	SSS2ORG	O.Node where job entered network
Comment					
<p>----- Time and date are local, not UCT/GMT -----</p>					
End of Comment					
992	(3E0)	SIGNED	4	SSS2TIME	O.Time on input processor for the selected job. This is in hundredths of seconds since midnight.
996	(3E4)		4	SSS2DATE	O.Date on input processor for the selected job. This is in the form 0ccyddF

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

Comment

 SSS2SYS and SSS2MBR not available if job came from net or was reloaded.

End of Comment

1000	(3E8)	CHARACTER	8	SSS2SYS	O.System name of the MVS image where the job output was created
1008	(3F0)	CHARACTER	4	SSS2MBR	O.Member name of the JES2 image where the job output was created
1012	(3F4)	ADDRESS	4	SSS2NJEJ	O.Address of NJE job header. This field will be non-zero if the job header is available and SSS2NJEH flag is on
1016	(3F8)	CHARACTER	8	SSS2NACT	O.Net account (from NETACCT)
1024	(400)	CHARACTER	8	SSS2USID	O.JMR User Id
1032	(408)	BITSTRING	3	SSS2MXRC	Max return code
1035	(40B)	BITSTRING	3	SSS2LSAB	Last ABEND code
1038	(40E)	BITSTRING	2		Reserved for future use and
1040	(410)	SIGNED	4	(6)	must be zero.
1040	(410)	X'21C'	0	SSS2OUTC	"SSS2OUTP,*-SSS2OUTP,C'X'" All output fields up thru version 2
1040	(410)	X'428'	0	SSS21SIZ	**"-SSS2" Minimum length of version 1 SSS2, and minimum size allowed for SSS2
1040	(410)	X'428'	0	SSS22SIZ	**"-SSS2" Minimum length of version 2 SSS2

Comment

 The following fields are available as output in version 3 and above.

End of Comment

1064	(428)	SIGNED	4	SSS2OUT3 (0)	O.Beginning of version 3 output area
1064	(428)	CHARACTER	64	SSS2JCOR	O.Job correlator
1128	(468)	SIGNED	4	(8)	Reserved for future use and must be zero
1128	(468)	X'488'	0	SSS23SIZ	**"-SSS2" Minimum length of version 3 SSS2
1128	(468)	X'428'	0	SSS2OTC3	"SSS2OUT3,*-SSS2OUT3,C'X'" All output fields up thru version 3
1128	(468)	X'488'	0	SSS2SIZE	**"-SSS2" This is current size of SSS2

SSS2 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSS2	0		SSS2CTRL	3E	80
SSS2ACCT	3CC		SSS2CVER	2	3
SSS2AGE	170	0	SSS2DATE	3E4	C
SSS2APL1	10	0	SSS2DCLS	1C0	40
SSS2APPL	8	40404040	SSS2DDES	1D8	40404040
SSS2BDIS	0	28	SSS2DDND	310	40404040
SSS2BRST	2E6	2	SSS2DELCL	34	40
SSS2BTOK	228		SSS2DESR	268	40404040
SSS2BULK	24	3	SSS2DEST	82	40404040
SSS2BYCT	2F4	0	SSS2DES2	A6	40404040
SSS2CDS	368	0	SSS2DFOR	1C8	40404040
SSS2CHAC	154	154	SSS2DHLD	1BC	10
SSS2CHAR	154	40404040	SSS2DISC	1ED	1BC
SSS2CHKP	1BC	4	SSS2DISP	1BC	
SSS2CHR1	32C	40404040	SSS2DKPE	1BC	80
SSS2CHR2	330	40404040	SSS2DNFO	1BD	40
SSS2CHR3	334	40404040	SSS2DNWR	1BC	2
SSS2CHR4	338	40404040	SSS2DPGM	1D0	40404040
SSS2CLAR	2D4	40	SSS2DPRI	1EC	0
SSS2CLAS	134	40	SSS2DRLS	1BC	8
SSS2CLFT	1EA	0	SSS2DSC	2E6	30
SSS2CLON	0	2C	SSS2DSCL	2E6	40
SSS2CLSL	110	40404040	SSS2DSF	2E6	20
SSS2COPY	22C	0	SSS2DSH	2E9	20
SSS2COUN	24	2	SSS2DSID	2DE	40404040
SSS2CPDS	2E9	80	SSS2DSL	2E6	8
SSS2CPYG	230	0	SSS2DSN	29A	40404040
SSS2CREA	5A	40404040	SSS2DSNM	380	
SSS2CREP	250	40404040	SSS2DSP1	1BC	0
SSS2CTKN	18C		SSS2DSP2	1BD	0

SSS2 Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSS2DSTR	378		SSS2PRIV	324	0
SSS2DUPJ	0	10	SSS2PRMC	62	62
SSS2ECBP	28		SSS2PRMO	62	40404040
SSS2EODS	0	4	SSS2PRMR	260	40404040
SSS2EYE	4	E2E2E2F2	SSS2PUGE	24	1
SSS2FCB	14C	40404040	SSS2RALO	3	C
SSS2FCBR	370	40404040	SSS2RBA	2C	0
SSS2FLSC	361	0	SSS2RBLK	3	EC
SSS2FLSH	168	40404040	SSS2RBRO	3	68
SSS2FORC	C0	C0	SSS2RCCT	2FC	0
SSS2FORM	C0	40404040	SSS2RCHR	3	44
SSS2FORR	282	40404040	SSS2RCLS	3	38
SSS2FSWB	3E	60	SSS2RCRE	3	18
SSS2FSWT	3E	20	SSS2RCTK	3	64
SSS2GNVA	2E6	80	SSS2RDCL	3	B8
SSS2GRID	B8	B8	SSS2RDDS	3	C4
SSS2ICLS	0	24	SSS2RDES	3	24
SSS2IDST	0	14	SSS2RDE2	3	58
SSS2INPC	19C	28	SSS2RDFR	3	BC
SSS2INPT	28		SSS2RDHR	3	C8
SSS2INVA	0	8	SSS2RDPG	3	C0
SSS2IP	2E6	4	SSS2RDUP	3	10
SSS2IVER	2	1	SSS2REAS	3	
SSS2JBIH	52	40404040	SSS2RECJ	3	6C
SSS2JBIL	4A	40404040	SSS2REIP	3	8
SSS2JBIR	240	40404040	SSS2REMV	1BD	20
SSS2JCOR	428	40404040	SSS2RENF	1BD	10
SSS2JCRP	198		SSS2RENI	3	4
SSS2JDVT	258	40404040	SSS2RENM	3	F0
SSS2JEST	21C	0	SSS2RENS	3	F4
SSS2JOBN	42	40404040	SSS2RET1	2E6	0
SSS2JOBR	238	40404040	SSS2RET2	2E7	0
SSS2LEN	0	488	SSS2RET3	2E8	0
SSS2LERR	0	20	SSS2RET4	2E9	0
SSS2LINC	363	0	SSS2RET5	2EA	0
SSS2LMAX	140	7FFFFFFF	SSS2REYE	3	60
SSS2LMIN	13C	0	SSS2RFCB	3	3C
SSS2LNCT	2EC	0	SSS2RFL	3	4C
SSS2LSAB	40B	0	SSS2RFLS	35D	40404040
SSS2MBR	3F0	40404040	SSS2RFOR	2EB	0
SSS2MLRL	2DC	0	SSS2RFRM	3	2C
SSS2MOD	164	40404040	SSS2RGID	3	74
SSS2MODT	35C	0	SSS2RHLD	1BC	40
SSS2MSC1	3E	0	SSS2RHLV	2EA	80
SSS2MXRC	408	0	SSS2RHOL	2EA	C0
SSS2NACT	3F8	40404040	SSS2RJBI	3	14
SSS2NCHR	2E7	80	SSS2RJCR	3	78
SSS2NIPA	2E7	4	SSS2RJNM	3	28
SSS2NJED	36C		SSS2RJOB	2E8	20
SSS2NJEH	3E	10	SSS2RLEN	3	1C
SSS2NJEJ	3F4		SSS2RLPG	3	54
SSS2NMOD	2E7	10	SSS2RLPM	3	50
SSS2NNHD	2E7	20	SSS2RLSE	34	10
SSS2NOTN	3BC	40404040	SSS2RMO	3	48
SSS2NOTU	3C4	40404040	SSS2RMOD	358	40404040
SSS2NPRI	2E7	8	SSS2RNPR	1BC	20
SSS2NVOL	2E7	40	SSS2RNPT	1BC	1
SSS2ODST	190	40404040	SSS2RODS	3	70
SSS2OGNM	33C	40404040	SSS2ROOM	3B4	40404040
SSS2OJBI	248	40404040	SSS2ROUT	34	20
SSS2OPTJ	2E6	1	SSS2RPGM	3	30
SSS2ORG	3D8	40404040	SSS2RPRI	1BD	80
SSS2OTC3	468	428	SSS2RPRM	3	34
SSS2OUTC	410	21C	SSS2RRON	3	CC
SSS2OUTP	21C		SSS2RSTC	2E8	80
SSS2OUT3	428		SSS2RTOK	0	0
SSS2PGCT	2F0	0	SSS2RTSU	2E8	40
SSS2PGMN	B8	40404040	SSS2RTYP	3	20
SSS2PGMR	27A	40404040	SSS2RUCS	3	40
SSS2PMAX	148	7FFFFFFF	SSS2RVOL	3	5C
SSS2PMIN	144	0	SSS2RWTR	2EA	20
SSS2PNAM	3A0	40404040	SSS2RXWH	2EA	40
SSS2PRCD	300	40404040	SSS2SAGE	3A	20
SSS2PRIO	362	0	SSS2SAPC	39	10

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSS2SAWT	37	E0	SSS2WERR	2CC	4
SSS2SBLK	3B	4	SSS2WOK	2CC	0
SSS2SBRO	3B	20	SSS2WRSN	2D0	0
SSS2SCHR	3A	1	SSS2WRTN	2CC	0
SSS2SCLS	37	10	SSS2WSI	37C	0
SSS2SCOR	3C	10	SSS2XEQ	3D0	40404040
SSS2SCPN	3B	80	SSS21SIZ	410	428
SSS2SCRE	38	20	SSS22SIZ	410	428
SSS2SCTK	3B	40	SSS23SIZ	468	488
SSS2SDST	37	8			
SSS2SDUP	37	6			
SSS2SDU2	37	2			
SSS2SECT	16C				
SSS2SEGM	2C8	0			
SSS2SEL1	37	0			
SSS2SEL2	38	0			
SSS2SEL3	39	0			
SSS2SEL4	3A	0			
SSS2SEL5	3B	0			
SSS2SEL6	3C	0			
SSS2SENL	3B	2			
SSS2SENP	3B	1			
SSS2SETC	34	80			
SSS2SFCB	38	2			
SSS2SFLS	3A	40			
SSS2SFRM	38	40			
SSS2SGID	38	80			
SSS2SHLD	37	80			
SSS2SHOL	37	C0			
SSS2SIG0	3C	20			
SSS2SIPA	38	8			
SSS2SIPN	38	4			
SSS2SIZE	468	488			
SSS2SJBI	37	1			
SSS2SJBN	37	4			
SSS2SJOB	39	20			
SSS2SLIN	3A	10			
SSS2SMOD	3A	80			
SSS2SODS	3B	10			
SSS2SPAG	3A	8			
SSS2SPGM	38	80			
SSS2SPRI	3A	4			
SSS2SPRM	38	10			
SSS2SPUN	2E9	40			
SSS2SRON	3B	8			
SSS2SSTC	39	80			
SSS2STPD	308	40404040			
SSS2STPI	3C	40			
SSS2STPN	3C	80			
SSS2STSU	39	40			
SSS2STYP	39	FF			
SSS2SUCS	38	1			
SSS2SVOL	3A	2			
SSS2SWBT	318	0			
SSS2SWTR	37	20			
SSS2SWTU	320				
SSS2SXWH	37	40			
SSS2SYS	3E8	40404040			
SSS2TIME	3E0	0			
SSS2TJID	292	40404040			
SSS2TJN	28A	40404040			
SSS2TKNM	0	1C			
SSS2TOD	364	0			
SSS2TYPE	24	1			
SSS2UCS	150	40404040			
SSS2UCSR	374	40404040			
SSS2UFLG	34	0			
SSS2UNAV	0	C			
SSS2USID	400	40404040			
SSS2VCTP	2	2			
SSS2VER	2	3			
SSS2VJCR	2	3			
SSS2VOL	174	40404040			
SSS2VOLC	174	174			

SSTA Information

SSTA Programming Interface information

Programming Interface information

SSTA

End of Programming Interface information

SSTA Heading Information

SSTA Heading Information

Common Name: Tape Allocation Subsystem Interface Mapping
Macro ID: IEFSSSTA
DSECT Name: SSTA - SSTA Header SSTADDA - DD array entry SSTADRA - Device request array entry SSTAEDA - Eligible device array entry
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: SSTA
 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: '44'x - 68 decimal for SSTA Header
 '20'x - 32 decimal for each DD Array entry
 (number of entries is in SSTANDDS)
 '18'x - 24 decimal for each Device Request Array entry
 (number of entries is in SSTANDRA)
 'C'x - 12 decimal for each Eligible Device Array entry
 (number of entries is in SSTANEDA)
Created by: IEFAB483
Pointed to by: Upon entry to the Tape Allocation Subsystem
 general purpose register 1 points to the
 SSOB. The SSOBINDV field points to
 the SSTA.
Serialization: ENQ -
 Major Name: SYSIEFSD
 Minor Name: Q4
 Scope : SYSTEM
 Mode : Shared
 Minor Name: CHNGDEVS
 Scope : SYSTEM
 Mode : Shared
 Minor Name: DDRTPUR
 Scope : SYSTEM
 Mode : Shared
 Minor Name: DDRDA (if DA requests)
 Scope : SYSTEM
 Mode : Shared
 LOCKS -
 Allocation group locks held
Function: Provides data shared by Allocation and the
 Tape Allocation Subsystem in order to build
 the information needed to solve a tape
 allocation request. The Tape Allocation
 Subsystem can influence the allocation selection
 by adding new criteria to consider when the
 allocation algorithm solves the requests.
 To do this, the subsystem must know the relative
 importance of each of the criteria that IBM considers
 as well as what criteria is applied to each request/
 device combination.

The relative importance that IBM considers is kept in the SSTAIBMM mask. Each bit is defined as a specific criteria and when the bit is on the criteria is being applied to that request/device combination.

The table below gives the relative importance of each of the subsystem criteria as related to the IBM criteria (highest to lowest criteria)

Order	IBM	Subsystem
-----	-----	-----
1		SSTAINEL
2	SSTADMND	
3		SSTAUS01
4		SSTAUS02
5	SSTAONUN	

6	SSTAUS03
7	SSTAUS04
8	SSTANAFH
9	SSTAUS05
10	SSTAUS06
11	SSTASPCM
12	SSTAUS07
13	SSTAUS08
14	(Generic device type, not specified by a bit)
15	SSTAUS09
16	SSTAUS10
17	SSTAACL1
18	SSTAUS11
19	SSTAUS12
20	SSTAACL2
21	SSTAUS13
22	SSTAUS14
23	SSTAACL3
24	SSTAUS15
25	SSTAUS16
26	SSTAVOLM
27	SSTAUS17
28	SSTAUS18
29	SSTANVOL
30	SSTAUS19
31	SSTAUS20
32	SSTAWVOL
33	SSTAUS21
34	SSTAUS22
35	SSTAAVOL
36	SSTAUS23
37	SSTAUS24
38	SSTANAS
39	SSTAUS25
40	SSTAUS26

If the subsystem wants its own criteria considered more important than a specific IBM criteria then it just sets the bit in the User mask that is higher in priority for the request/device combination that the subsystem wishes the criteria to be applied to.

SSTA Map

There are instances where bits can have multiple meanings in the IBM criteria. An example would be the SSTAVOLM bit. If the request is for a specific tape volume the bit means one thing. If the request is for a nonspecific tape volume the bit means something different. In all cases where there are multiple bit meanings there is no possibility of overlapping criteria. The actual meanings as applied to a specific entry is determined by the device request array entry for which this is an eligible device array entry. The SSTATPRV and SSTATSPEC bits will indicate whether the request is a specific, private/nonspecific, or scratch request.

SSTA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSTA	Tape Allocation SSI parameters
0	(0)	CHARACTER	4	SSTAID	Identifier 'SSTA'
4	(4)	BITSTRING	1	SSTAVERG	SSTA version.
5	(5)	BITSTRING	1	SSTAFLGS	SSI call information flags.
		1...		SSTAFCAL	"X'80" First call for this job step or dynamic allocation request
		.1..		SSTARECV	"X'40" This call from Recovery Allocation processing
		..1.		SSTATRTY	"X'20" This call from Tape Allocation retry processing
		...1		SSTAARTY	"X'10" This call from Common Allocation retry processing
6	(6)	CHARACTER	2		reserved
8	(8)	CHARACTER	8	SSTASNAM	System name
16	(10)	CHARACTER	8	SSTAJNAM	Job name
24	(18)	CHARACTER	16	SSTASTNM	8-byte Job step name followed by 8 reserved bytes or 8-byte Procedure name followed by 8-byte Job step name (See TIOCSTEP in IEFTIOT1)
40	(28)	BITSTRING	4	SSTASTPN	Step number
44	(2C)	BITSTRING	4	SSTANDDS	Number of DD's
48	(30)	ADDRESS	4	SSTADDAP	Pointer to the first DD array entry for this job/step
48	(30)	X'34'	0	SSTAHDRL	"*-SSTA" Length of the SSTA Header.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSTADDA	DD array entry
0	(0)	CHARACTER	8	SSTADDN	DD name
8	(8)	ADDRESS	4	SSTAJFCP	Pointer to the JFCB for this DD array entry
12	(C)	BITSTRING	4	SSTACPOS	Concatenation position
16	(10)	BITSTRING	1	SSTADDF1	DD level information byte 1
		1...		SSTANEW	"X'80" DISP=NEW indicator
		.1..		SSTAMOD	"X'40" DISP=MOD indicator
		..1.		SSTAOLD	"X'20" DISP=OLD indicator
		...1		SSTAGDGS	"X'10" GDG single request
		.... 1...		SSTAGALL	"X'08" Part of GDG all request
		.... .1..		SSTAGDGA	"X'04" Generated DD
		.... ..1.		SSTAVLAF	"X'02" Volume affinity indicator
		.... ...1		SSTAVAFF	"X'01" Intra-step volume affinity
17	(11)	BITSTRING	1	SSTADDF2	DD level information byte 2
		1...		SSTAUNAF	"X'80" Unit affinity indicator
		..1.		SSTAUARM	"X'40" Unit affinity has been removed, but this condition is not permanent (i.e. the SIOT still indicates unit affinity)
18	(12)	CHARACTER	2		reserved
20	(14)	BITSTRING	4	SSTANDRA	Number of device request arrays
24	(18)	ADDRESS	4	SSTADRAP	Pointer to the first device request array entry for this DD
28	(1C)	ADDRESS	4	SSTADDAN	Pointer to the next DD array entry
28	(1C)	X'20'	0	SSTADDAL	"*-SSTADDA" Length of one (1) DD Array entry.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSTADRA	Device request array entry
0	(0)	CHARACTER	6	SSTAVOLI	Volume serial number
6	(6)	BITSTRING	2	SSTADNDV	Was SSTANDEV. This field contains the number of devices eligible for this DD, with a maximum of 65535 devices. This field is provided for compatibility reasons only and SSTANDVS should be used instead.
8	(8)	BITSTRING	1	SSTAREQT	Device request information flags
		1...		SSTATPRV	"X'80" Private request
		.1..		SSTATSPEC	"X'40" Specific volume needed
		..1.		SSTADEFR	"X'20" Volume mounting deferred
		...1		SSTAALOC	"X'10" Entry already allocated
		.... 1...		SSTASKIP	"X'08" This entry being skipped
9	(9)	BITSTRING	1	SSTAUREQ	User supplied request level overrides
		1...		SSTAUDFR	"X'80" Force request to defer mounting.
		..1.		SSTAUPRF	"X'40" Indicates to use SSTAPREF in place of random clumping avoidance.
10	(A)	BITSTRING	2	SSTAVUID	Volume unit id for affinity

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	SSTADEVP	Pointer to the first eligible device array entry for this request
16	(10)	ADDRESS	4	SSTADLAN	Pointer to the next device request array entry for this DD
20	(14)	BITSTRING	4	SSTANDVS	Number of devices eligible for this DD.
20	(14)	X'18'	0	SSTADRAL	""-SSTADRA" Length of one (1) Device Request Array entry.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSTAEDA	Eligible device array
0	(0)	CHARACTER	4	SSTADNUM	Device number in EBCDIC
4	(4)	BITSTRING	3	SSTAIBMM (0)	IBM applied mask
4	(4)	BITSTRING	1	SSTAIBM1	First byte of the IBM mask
		1... ..		SSTADSK	"X'80" This device skipped for request
		.1.		SSTADMND	"X'40" This device demanded by this request
		..1.		SSTAONUN	"X'20" Online/Unallocated device. In Recovery Allocation processing, this may also indicate a pending offline device
		...1		SSTANAFH	"X'10" Not assigned to foreign host
		.... 1...		SSTASPCM	"X'08" Volume mounted is one needed for this request
		.... ..1.		SSTAACL1	"X'04" Either no ACL is installed and this is a specific request or the ACL is active and this is a nonspecific request (public or private).
		.... ...1		SSTAACL2	"X'02" The installed ACL is inactive.
		.... 1...		SSTAACL3	"X'01" Either the ACL is active and this is a specific request or no ACL is installed and this is a nonspecific request (public or private).
5	(5)	BITSTRING	1	SSTAIBM2	Second byte of the IBM mask.
		1... ..		SSTAVOLM	"X'80" Either the last volume mounted is needed OR the volume mounted is Public, was not PASSed or RETAINed, and this is a Scratch Request.
		.1.		SSTANVOL	"X'40" No volume is mounted and the last volume mounted is not needed.
		..1.		SSTAWVOL	"X'20" The wrong volume is mounted for a specific request but the last volume mounted matches.
		...1		SSTAAVOL	"X'10" Either the wrong volume is mounted and the last one does not match, or any volume is mounted and this is a private request.
		.... 1...		SSTANAS	"X'08" This device is not automatically switchable
6	(6)	BITSTRING	1	SSTAIBM3	Third byte of the IBM mask (currently reserved)
7	(7)	BITSTRING	1	SSTAPREF	Optional value to use as a replacement for random clumping avoidance.
8	(8)	BITSTRING	4	SSTAUSRM (0)	User applied mask
8	(8)	BITSTRING	1	SSTAUSE1	First byte of the User mask
		1... ..		SSTAINEL	"X'80" Mark device ineligible
		.1.		SSTAUS01	"X'40" User factor 1 should be assigned
		..1.		SSTAUS02	"X'20" User factor 2 should be assigned
		...1		SSTAUS03	"X'10" User factor 3 should be assigned
		.... 1...		SSTAUS04	"X'08" User factor 4 should be assigned
		.... ..1.		SSTAUS05	"X'04" User factor 5 should be assigned
		.... ..1.		SSTAUS06	"X'02" User factor 6 should be assigned
		.... ...1		SSTAUS07	"X'01" User factor 7 should be assigned
9	(9)	BITSTRING	1	SSTAUSE2	Second byte of the User mask
		1... ..		SSTAUS08	"X'80" User factor 8 should be assigned
		.1.		SSTAUS09	"X'40" User factor 9 should be assigned
		..1.		SSTAUS10	"X'20" User factor 10 should be assigned
		...1		SSTAUS11	"X'10" User factor 11 should be assigned
		.... 1...		SSTAUS12	"X'08" User factor 12 should be assigned
		.... ..1.		SSTAUS13	"X'04" User factor 13 should be assigned
		.... ..1.		SSTAUS14	"X'02" User factor 14 should be assigned
		.... ...1		SSTAUS15	"X'01" User factor 15 should be assigned
10	(A)	BITSTRING	1	SSTAUSE3	Third byte of the User mask
		1... ..		SSTAUS16	"X'80" User factor 16 should be assigned
		.1.		SSTAUS17	"X'40" User factor 17 should be assigned
		..1.		SSTAUS18	"X'20" User factor 18 should be assigned
		...1		SSTAUS19	"X'10" User factor 19 should be assigned
		.... 1...		SSTAUS20	"X'08" User factor 20 should be assigned
		.... ..1.		SSTAUS21	"X'04" User factor 21 should be assigned
		.... ..1.		SSTAUS22	"X'02" User factor 22 should be assigned
		.... ...1		SSTAUS23	"X'01" User factor 23 should be assigned
11	(B)	BITSTRING	1	SSTAUSE4	Fourth byte of the User mask
		1... ..		SSTAUS24	"X'80" User factor 24 should be assigned
		.1.		SSTAUS25	"X'40" User factor 25 should be assigned
		..1.		SSTAUS26	"X'20" User factor 26 should be assigned
11	(B)	X'C'	0	SSTAEDAL	""-SSTAEDA" Length of one (1) Eligible Device Array entry.

Comment

Constants

End of Comment

SSTA Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
12	(C)	CHARACTER	4	SSTACHAR	Eye catcher
12	(C)	X'4'	0	SSTAVERC	"04" Current SSTA version number.
12	(C)	X'4E'	0	SSOBTALC	"78" Function code

SSTA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SSOBTALC	C	4E	SSTAUDFR	9	80
SSTA	0		SSTAUNAF	11	80
SSTAACL1	4	4	SSTAUPRF	9	40
SSTAACL2	4	2	SSTAUREQ	9	
SSTAACL3	4	1	SSTAUSE1	8	
SSTAALOC	8	10	SSTAUSE2	9	
SSTAARTY	5	10	SSTAUSE3	A	
SSTAAYOL	5	10	SSTAUSE4	B	
SSTACHAR	C	E2E2E3C1	SSTAUSRM	8	
SSTACPOS	C		SSTAUS01	8	40
SSTADDA	0		SSTAUS02	8	20
SSTADDAL	1C	20	SSTAUS03	8	10
SSTADDAN	1C		SSTAUS04	8	8
SSTADDAP	30		SSTAUS05	8	4
SSTADDF1	10		SSTAUS06	8	2
SSTADDF2	11		SSTAUS07	8	1
SSTADDN	0		SSTAUS08	9	80
SSTADEFR	8	20	SSTAUS09	9	40
SSTADEVP	C		SSTAUS10	9	20
SSTADMND	4	40	SSTAUS11	9	10
SSTADNDV	6		SSTAUS12	9	8
SSTADNUM	0		SSTAUS13	9	4
SSTADRA	0		SSTAUS14	9	2
SSTADRAL	14	18	SSTAUS15	9	1
SSTADRAN	10		SSTAUS16	A	80
SSTADRAP	18		SSTAUS17	A	40
SSTADSK	4	80	SSTAUS18	A	20
SSTAEDA	0		SSTAUS19	A	10
SSTAEDAL	B	C	SSTAUS20	A	8
SSTAFCAL	5	80	SSTAUS21	A	4
SSTAFLGS	5		SSTAUS22	A	2
SSTAGALL	10	8	SSTAUS23	A	1
SSTAGDGA	10	4	SSTAUS24	B	80
SSTAGDGS	10	10	SSTAUS25	B	40
SSTAHDRL	30	34	SSTAUS26	B	20
SSTAIBMM	4		SSTAVAFF	10	1
SSTAIBM1	4		SSTAVERC	C	4
SSTAIBM2	5		SSTAVERS	4	
SSTAIBM3	6		SSTAVLAF	10	2
SSTAID	0		SSTAVOLI	0	
SSTAINEL	8	80	SSTAVOLM	5	80
SSTAJFCP	8		SSTAVUID	A	
SSTAJNAM	10		SSTAWVOL	5	20
SSTAMOD	10	40			
SSTANAFH	4	10			
SSTANAS	5	8			
SSTANDDS	2C				
SSTANDRA	14				
SSTANDVS	14				
SSTANEW	10	80			
SSTANVOL	5	40			
SSTAOLD	10	20			
SSTAONUN	4	20			
SSTAPREF	7				
SSTAPRV	8	80			
SSTARECV	5	40			
SSTAREQT	8				
SSTASKIP	8	8			
SSTASNAM	8				
SSTASPCM	4	8			
SSTASPEC	8	40			
SSTASTNM	18				
SSTASTPN	28				
SSTATRTRY	5	20			
SSTAUARM	11	40			

SSUS Information

SSUS Heading Information

Common Name: SSOB Extension for Remote Destination Validity Check
Macro ID: IEFSSUS
DSECT Name: SSUS
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by invoker
 Key: Determined by invoker
 Residency: Determined by invoker
Size: 72 bytes
Created by: Users of the Remote Userid Validity Check
 Function
Pointed to by: SSOBINDV field of the SSOB Data Area
Serialization: None
Function: Provides input to Subsystem Remote Destination Validity Check

SSUS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	SSUS	
0	(0)	CHARACTER	16	SSUSV0	Version 0 area
0	(0)	SIGNED	2	SSUSLEN	LENGH OF SSUS
2	(2)	BITSTRING	1	SSUSFLG1	FLAG BYTE
		1... ..		SSUS1NOD	IF ON, THE NODE NAME IS TO BE RETURNED IN THE SSOB
		.1.. ..		SSUSCVXE	DESTINATION CONVERSION EXTENSION EXISTS
		..11 1111		*	RESERVED
3	(3)	UNSIGNED	1	SSUSVER	Version number
4	(4)	SIGNED	4	*	RESERVED
8	(8)	CHARACTER	8	SSUSUSER	REMOTE DEST TO BE VERIFIED
16	(10)	CHARACTER	16	SSUSV1	Version 1 additions
16	(10)	CHARACTER	8	SSUSNODE	NODE NAME RETURNED BY SSI
24	(18)	CHARACTER	8	SSUSRMT	EBCDIC NODE NAME ('RNNNNNNN'), IF ANY, ASSOCIATED WITH THE PASSED DESTID PEO2642
32	(20)	CHARACTER	0	*	END OF EXTENSION

SSUS Constants

Len	Type	Value	Name	Description
2	DECIMAL	11	SSOBUSER	REMOTE DESTINATION FUNCTION ID (SSOBFUNC)
Comment				
REMOTE DESTINATION VALIDITY CHECK RETURN CODES (SSOBRETN)				
End of Comment				
4	DECIMAL	0	SSUSRTOK	VALID REQUEST
4	DECIMAL	4	SSUSNOUS	INVALID DESTINATION
4	DECIMAL	8	SSUSINCP	SUBSYSTEM COULD NOT COMPLETE THE VALIDITY CHECK
1	DECIMAL	1	SSUSCVER	Current version number
1	DECIMAL	1	SSUSNDRM	First version in which the SSUSNODE ans SSUSRMT fields are valid

SSUS Cross Reference

SSUS Cross Reference

Name	Hex Offset	Hex Value
SSUS	0	
SSUSCVXE	2	40
SSUSFLG1	2	
SSUSLEN	0	
SSUSNODE	10	
SSUSRMT	18	
SSUSUSER	8	
SSUSVER	3	
SSUSV0	0	
SSUSV1	10	
SSUS1NOD	2	80

SSVI Information

SSVI Programming Interface information

Programming Interface information

SSVI

End of Programming Interface information

SSVI Heading Information • SSVI Map

SSVI Heading Information

Common Name: Subsystem Version Information SSOB Extension
Macro ID: IEFSSVI
DSECT Name: SSVI, SSVIVDAT
Owning Component: Subsystem Interface - SSI (SC1B6)
Eye-Catcher ID: SSVI
Offset: 4
Length: 4 bytes
Storage Attributes: Subpool: Any
Key: Key of caller of SSI
Residency: Any
Size: 48 decimal + system variable output
section + installation variable output
section
FREQUENCY = 1 per function code 54 SSI call
Created by: The invoker of IEFSSREQ
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None
Function: This mapping macro defines the parameters used for SSI function code 54, SubSystem Version Information. This function code is intended to be a mechanism to determine relatively static information about a subsystem.

SSVI Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	0	SSVIVDAT	Variable data section mapping	
0	(0)	SIGNED	2	SSVIVLEN	Length of the variable data	
2	(2)	CHARACTER	1	SSVIDAT (0)	Data area	

SSVS Information

SSVS Programming Interface information

Programming Interface information

SSVS

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

- SSVSLEN
- SSVSNUM
- SSVSSCTP

End of Programming Interface information

SSVS Heading Information • SSVS Map

SSVS Heading Information

Common Name: Subsystem Verification Service
Macro ID: IEFSSVS
DSECT Name: None
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Subpool: Any
 Key: Key of caller of SSI
 Residency: Any
Size: 8 (SSVSSIZS) or 20 (SSVSSIZE) bytes
Created by: The invoker of IEFSSREQ
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Maps the SSOB extension for the Subsystem Verification function request (SSI function code 15 (SSOBVERS))

SSVS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'F'	0	SSOBVERS	"15" FUNCTION ID (SSOBFUNC)
Comment					
SUBSYSTEM VERIFICATION RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSVSSNAM	"0" SSIB CONTAINS A SUBSYSTEM NAME, FIELD SSVSSCTP IS SET, AND (1) IF SSVSSTRT IS OFF, BIT SSVSUPSS IS SET OR (2) IF SSVSSTRT IS ON, THE SUBSYSTEM IS ACTIVE AND SUPPORTS JOB SELECTION
0	(0)	X'4'	0	SSVSJBNM	"4" NAME IS NOT NAME OF A SUBSYSTEM
0	(0)	X'8'	0	SSVSNACT	"8" SUBSYSTEM IS NOT ACTIVE (VALID ONLY IF SSVSSTRT IS ON). FIELDS SSVSSCTP AND SSVSNUM ARE SET.
0	(0)	X'C'	0	SSVSNSEL	"12" SUBSYSTEM DOES NOT SUPPORT JOB SELECTION (VALID ONLY IF SSVSSTRT IS ON). FIELDS SSVSSCTP AND SSVSNUM ARE SET.
0	(0)	X'0'	0	SSVSBGN	***
0	(0)	ADDRESS	2	SSVSLEN	VS EXTENSION LENGTH
2	(2)	BITSTRING	1	SSVSFLG1	FLAG BYTE
		1...		SSVSUPSS	"X'80" SET BY MASTER SUBSYSTEM TO INDICATE THAT THE SPECIFIED SUBSYSTEM REQUIRES THE USE OF THE PRIMARY SUBSYSTEM'S SERVICES (E.G. SYSOUT)
		.1..		SSVSSTRT	"X'40" TEST NAME IN SSIBJIBID FOR ACTIVE SUBSYSTEM THAT SUPPORTS INTERNAL READER DATASETS
3	(3)	BITSTRING	1	SSVSFLG2	RESERVED FLAG BYTE
4	(4)	ADDRESS	4	SSVSSCTP	PTR TO SSCT OF THE SPECIFIED SUBSYSTEM-RETURNED BY THE MASTER SUBSYSTEM
4	(4)	X'8'	0	SSVSSIZS	**-SSVSBGN" SHORT FORM LENGTH
4	(4)	X'8'	0	SSVSADD	*** ADD ON TO VS EXTENSION
8	(8)	SIGNED	2	SSVSNUM	Subsystem's index for use with subsystem affinity service ON SSCVT CHAIN
10	(A)	SIGNED	2	SSVSRES1	RESERVED
12	(C)	SIGNED	4	SSVSRES2	RESERVED
16	(10)	SIGNED	4	SSVSRES3	RESERVED
16	(10)	X'14'	0	SSVSSIZE	**-SSVSBGN" LONG FORM LENGTH
16	(10)	X'30'	0	SSOBLN1A	"SSOBHSIZ+SSVSSIZE" TOTAL SSOB LENGTH

SSVS Cross Reference

Name	Hex Offset	Hex Value
SSOBLN1A	10	30
SSOBVERS	0	F
SSVSADD	4	8
SSVSBGN	0	0
SSVSFLG1	2	
SSVSFLG2	3	
SSVSJBNM	0	4
SSVSLEN	0	
SSVSNACT	0	8
SSVSNSEL	0	C
SSVSNUM	8	
SSVSRES1	A	
SSVSRES2	C	
SSVSRES3	10	
SSVSSCTP	4	
SSVSSIZE	10	14
SSVSSIZS	4	8
SSVSSNAM	0	0
SSVSSTRT	2	40
SSVSUPSS	2	80

SSVT Information

SSVT Heading Information

Common Name: Subsystem Vector Table
Macro ID: IEFJSSVT
DSECT Name: SSVT
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: Determined by caller of IEFSSVT. Must reside in common storage.
 Key: 0
 Data Space: No
 Residency: ANY
Size: 260 bytes (decimal) plus 4 bytes for each function routine address slot reserved when the table is created. Maximum size 1284 bytes (decimal).
Created by: Subsystem Interface
Pointed to by: - SSCTSSVT field of the SSCVT data area
Serialization: The SSVT should be accessed only through the services provided by the IEFSSI and IEFSSVT macros.
Function: Indicates the SSI functions supported by the associated subsystem

SSVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SSVT	
0	(0)	X'0'	0	SSVTBEGN	***
0	(0)	SIGNED	2	SSVTRSV1	RESERVED
2	(2)	SIGNED	2	SSVTFNUM	Maximum number of function routines supported by this vector table

Comment

256 BYTE FUNCTION MATRIX -
 THE SSOB FUNCTION ID MINUS ONE IS USED AS AN OFFSET INTO THIS MATRIX.
 MATRIX FUNCTION BYTE =0 : THE FUNCTION SPECIFIED IN THE SSOB IS NOT SUPPORTED BY THIS SUBSYSTEM.
 MATRIX FUNCTION BYTE ≠0 : THE VALUE (FUNCTION BYTE-1) 4 IS ADDED TO THE ADDRESS OF SSVTFRTN TO OBTAIN THE ADDRESS OF THE WORD CONTAINING THE FUNCTION ROUTINE POINTER FOR THIS REQUEST.

End of Comment

4	(4)	BITSTRING	1	SSVTFCOD (0)	FUNCTION MATRIX
4	(4)	X'104'	0	SSVTFsiz	**-SSVTBEGN" SSVT FIXED AREA SIZE
260	(104)	SIGNED	4	SSVTFRTN	SSVTFRTN IS THE FIRST WORD OF A VARIABLE LENGTH MATRIX CONTAINING FUNCTION ROUTINE POINTERS FOR FUNCTIONS SUPPORTED BY THIS SUBSYSTEM. THE MATRIX CAN BE A MAXIMUM OF 256 WORDS LONG.
1284	(504)	X'504'	0	SSVTsize	**-SSVTBEGN" MAXIMUM SSVT SIZE

SSWA Information

SSWA Heading Information

Common Name: SUBSYSTEM SCHEDULER WORK AREA
Macro ID: IEFJSSWA
DSECT Name: SSWA
Owning Component: Initiator/terminator (SC1B6)
Storage Attributes: Subpool: 236 or 237
 Key: 1
Size: Variable length
Created by: IEFVDA, IEFDB414
Pointed to by: SIOTSSWA field of the SIOT data area
 SSAGSSWA field of the SSARB data area
Serialization: None
Function: Contains the data coded as part of a SUBSYS DD card or its dynamic allocation equivalent.

SSWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SSWA	SUBSYSTEM SCHEDULER WORK AREA
0	(0)	CHARACTER	8	SSWAHDR	FIXED LENGTH HEADER
0	(0)	SIGNED	2	SSWATYPE	TYPE FIELD
2	(2)	CHARACTER	4	SSWASSNM	SUBSYSTEM NAME
6	(6)	SIGNED	2	SSWAPRNO	NO OF LEN-PARM PAIRS@G29AN2F
8	(8)	CHARACTER	*	SSWAPREN	FIRST LEN-PARM ENTRY@G29AN2F
8	(8)	UNSIGNED	1	SSWAPLEN	LENGTH OF FIRST (OR ONLY) PARAMETER
9	(9)	CHARACTER	*	SSWAPVAL	VALUE OF FIRST (OR ONLY) PARAMETER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SSWAIFLD	INDIVIDUAL LEN-PARM PAIR MAP
0	(0)	UNSIGNED	1	SSWAILEN	LEN OF PARM ITEM
1	(1)	CHARACTER	*	SSWAIPRM	VALUE OF PARM ITEM

SSWA Constants

Len	Type	Value	Name	Description
Comment				
THE FOLLOWING DECLARE DEFINES THE VALUE OF THE TYPE FIELD(SSWATYPE) FOR A SYSTEM GENERATED SSWA				
End of Comment				
2	DECIMAL	1	SSWASYST	SYSTEM CREATED SSWA

SSWA Cross Reference

Name	Hex Offset	Hex Value
SSWA	0	
SSWAHDR	0	
SSWAIFLD	0	
SSWAILEN	0	
SSWAIPRM	1	
SSWAPLEN	8	
SSWAPREN	8	
SSWAPRNO	6	
SSWAPVAL	9	
SSWASSNM	2	
SSWATYPE	0	

SSWT Information

SSWT Programming Interface Information

Programming Interface Information

SSWT

End of Programming Interface Information

SSWT Heading Information • SSWT Map

SSWT Heading Information

Common Name: SSOB Extension for Write to Operator
Macro ID: IEFSSWT
DSECT Name: SSWT
Owning Component: JES3 (SC1BA)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 16 bytes for SSWT
Created by: IEAVSWCH, IEAVVWTO, IEAVMWTO, IEEMB804
Pointed to by: SSOBINDV field of the SSOB data area
Serialization: None
Function: Parameter list fo the subsystem interface.

SSWT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	X'9'	0	SSOBWTO	"9" WTO FUNCTION ID (SSOBFUNC)
0	(0)	X'21'	0	SSOBCONS	"33" CONSOLE STATUS FUNCTION ID
0	(0)	X'22'	0	SSOBWTL	"34" WTL FUNCTION ID
Comment					
WRITE TO OPERATOR RETURN CODES (SSOBRETN)					
End of Comment					
0	(0)	X'0'	0	SSWTRTOK	"0" FUNCTION 9: CONTINUE NORMAL WTO PROCESSING AND HARDCOPY THE MESSAGE FUNCTION 34: CONTINUE NORMAL WTO PROCESSING
0	(0)	X'4'	0	SSWTNDSP	"4" FUNCTION 9: DO NOT DISPLAY THE WTO, BUT MCS SHOULD HARDCOPY IT FUNCTION 34: BYPASS WTO PROCESSING
0	(0)	X'8'	0	SSWTOKNH	"8" FUNCTION 9: DISPLAY THE WTO AND DO NOT HARDCOPY IT
0	(0)	X'C'	0	SSWTNDNH	"12" FUNCTION 9: DO NOT DISPLAY THE WTO AND DO NOT HARDCOPY IT
0	(0)	X'0'	0	SSWTBGN	***
0	(0)	ADDRESS	2	SSWTLEN	WTO EXTENSION LENGTH
2	(2)	BITSTRING	1	SSWTFLG1	FIRST GENERAL FLAG AREA
		1... ..		SSWTSPB1	"X'80" FOR USE BY THE PRIMARY SUBSYSTEM (REPLACES WQEMCSK AND WMJMCS2C BITS OF THE WQE)
		.1..		SSWTPRSP	"X'40" PRTY WAS SPECIFIED ON WTO
		..1.		SSWTMPFS	"X'20" MESSAGE IS TO BE SUPPRESSED DUE TO MPF
		...1		SSWTMPFP	"X'10" MESSAGE WAS PROCESSED BY MPF AND IS NOT TO BE SUPPRESSED
		.... 1..		SSWTNMOD	"X'08" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		.... .1..		SSWTSNSP	"X'04" SYSTEM NAME WAS SPECIFIED ON WTO
		.... ..1.		SSWTSISP	"X'02" SYSTEM ID WAS SPECIFIED ON WTO
3	(3)	ADDRESS	1	SSWTVRSN	VERSION LEVEL
3	(3)	X'1'	0	SSWT211	"1" VERSION LEVEL FOR OS/VS2 JBB2110
3	(3)	X'2'	0	SSWT220	"2" VERSION LEVEL FOR OS/VS2 JBB2220
3	(3)	X'2'	0	SSWTVRID	"SSWT220" VERSION LEVEL VALUE
Comment					
FOLLOWING WTO SUBSYSTEM INTERFACES MAY EXIST -					
- SINGLE WTO OR FIRST LINE OF MULTI-LINE WTO:					
SSWTMIN, SSWTORE ARE 0					
- SECOND TO N-TH LINE OF MULTI-LINE WTO:					
SSWTORE IS 0					
- WTOR:					
SSWTMIN IS 0					
End of Comment					
4	(4)	ADDRESS	4	SSWTWQE	WQE ADDRESS (MAJOR)
8	(8)	ADDRESS	4	SSWTMIN	MINOR WQE ADDRESS
12	(C)	ADDRESS	4	SSWTORE	OPERATOR REPLY ELEMENT ADDRESS
16	(10)	SIGNED	2	SSWTPRTY	PRIORITY TO BE ASSIGNED TO THIS MESSAGE
18	(12)	CHARACTER	2	SSWTRSV1	RESERVED
18	(12)	X'14'	0	SSWTSIZE	"*-SSWTBGN" WTO EXTENSION LENGTH
18	(12)	X'30'	0	SSOBLN6	"SSOBHSIZ+SSWTSIZE" TOTAL SSOB LENGTH

SSWT Cross Reference

Name	Hex Offset	Hex Value
SSOBCONS	0	21
SSOBLEN6	12	30
SSOBWTL	0	22
SSOBWTO	0	9
SSWTBGN	0	0
SSWTFLG1	2	
SSWTLEN	0	
SSWTMIN	8	
SSWTMPFP	2	10
SSWTMPFS	2	20
SSWTNDNH	0	C
SSWTNDSP	0	4
SSWTNMOD	2	8
SSWTOKNH	0	8
SSWTORE	C	
SSWTPRSP	2	40
SSWTPRTY	10	
SSWTPSB1	2	80
SSWTRSV1	12	
SSWTRTOK	0	0
SSWTSISP	2	2
SSWTSIZE	12	14
SSWTSNSP	2	4
SSWTVRID	3	2
SSWTVRSN	3	
SSWTWQE	4	
SSWT211	3	1
SSWT220	3	2

STAB Information

STAB Programming Interface Information

Programming Interface Information

STAB

End of Programming Interface Information

STAB Heading Information • STAB Map

STAB Heading Information

Common Name: CTRACE Subname Table mapping
Macro ID: ITTSTAB
DSECT Name: ITTSTAB
Owning Component: Component Trace (SCTRC)
Eye-Catcher ID: None
Storage Attributes: Subpool: 253
Size: 264 bytes
Created by: ITTOOCT/ITTCTSER or IPCS CTRACE subcommand
Pointed to by: CTSSSNTP if the start/stop routine is invoked
CTXISNP if IPCS CTRACE subcommand processing
Note: Only used if the trace is a SUB trace.
Serialization: None
Function: Mapping of the subname node for the TRACE being processed.

STAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ITTSTAB	
0	(0)	CHARACTER	1	STABLEN (8)	* Array with the length of each subname in the SUBNSTRG.
8	(8)	CHARACTER	256	STABSTRG	* List of subnames. Use STABLEN to determine the length and location of each subname.

STCB Information

STCB Programming Interface information

Programming Interface information

STCB

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

- STCBCMP
- STCBDB2
- STCBFLC0
- STCBFLG2
- STCBFLG6
- STCBFPFL
- STCBIPKF
- STCBIPKM
- STCBLAA
- STCBOTCB
- STCBTTCB
- STCBUSER
- STCBVREQ

End of Programming Interface information

STCB Heading Information • STCB Map

STCB Heading Information

Common Name: Secondary Task Control Block (TCB)
Macro ID: IHASTCB
DSECT Name: STCB
Owning Component: Task Management (SC1CL)
Eye-Catcher ID: STCB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 253 (ELSQA)
 Key: 0
 Residency: Above 16 MB line
Size: OFFSET OF STCBEND MINUS THE OFFSET OF STCB
Created by: IEAVEMIN
 IEAVEATO
 IEAMSWCB
Pointed to by: TCBSTCB field of the TCB data areas
Serialization: Depends on the field
Function: The secondary task control block (STCB) allows task-related information to be kept above 16 megabytes.

STCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	STCB	SECONDARY TCB
0	(0)	DBL WORD	8	STCBEGIN (0)	BEGINNING OF STCB
0	(0)	CHARACTER	4	STCBSTCB	ACRONYM IN EBCDIC -STCB-
4	(4)	ADDRESS	4	STCBRACP	POINTER TO RACF DATA FOR THIS TASK. OWNERSHIP: RACF. SERIALIZATION: NONE.
8	(8)	ADDRESS	4	STCBDIVF	POINTER TO 1ST DOA (DIV OBJECT ACCESS CONTROL BLOCK) FOR TCB. OWNERSHIP: DIV. SERIALIZATION: CML LOCK.
12	(C)	ADDRESS	4	STCBDIVL	POINTER TO LAST DOA FOR TCB. OWNERSHIP: DIV. SERIALIZATION: CML LOCK.
16	(10)	BITSTRING	2	STCBAFNS	ORIGINAL CPU AFFINITY SAVE AREA USED TO SAVE TCBAFFN
18	(12)	SIGNED	2	STCBCTSC	Number of consecutive dispatches remaining for this task
20	(14)	CHARACTER	4	STCBZ1	RESERVED, HAD BEEN FOR STCBVSSA AND STCBVAFN 4
24	(18)	BITSTRING	1	STCBR018	Reserved
25	(19)	BITSTRING	1	STCBFLG1	FLAG BYTE OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TASK
		1...		STCBPIQ	MODE IS TCBACTIV SRB MODE IS LOCAL LOCK "X'80" INDICATES TO STAGE 3 EXIT EFFECTOR THAT IRB QUEUEING IS PROHIBITED. USE ONLY FOR ASYMMETRIC FEATURE PROCESSING. 2
		...1		STCBSST	"X'10" Indicates that the task is a Subspace task.
		.... 1...		STCBCLUP	"X'08" Cleanup only 991006
26	(1A)	BITSTRING	2	STCBR01A	Reserved
28	(1C)	BITSTRING	4	STCBCMP (0)	Task completion code. STCBCMP is valid ONLY after its owning TCB has terminated. It may contain different information than TCBCMP because TCBCMP may be altered to provide an Initiator-specific final jobstep status. Ownership: RTM
28	(1C)	BITSTRING	1	STCBCMPF	When TcbEndingAbnormally is off, as of HBB7780 contains byte 4 of 64-bit GPR 15 when the last program to run in this task returned normally to the system. Otherwise, 'undefined'.
29	(1D)	BITSTRING	3	STCBCMPC	When TcbEndingAbnormally is on, contains the completion code for which this task abnormally terminated. The first 12 bits contain the system completion code or the last 12 bits contain the user completion code. When TCBEndingAbnormally is off, contains bytes 5-7 of 64-bit GPR 15 when the last program to run in this task returned normally to the system.
32	(20)	ADDRESS	4	STCBALOV	WORK UNIT ACCESS LIST VIRTUAL ADDRESS. OWNERSHIP: PC/AUTH. SERIALIZATION: TCBACTIV.
36	(24)	ADDRESS	4	STCBALD	WORK UNIT ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE WORKUNIT'S ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE. OWNERSHIP: PC/AUTH. SERIALIZATION: TCBACTIV.
40	(28)	ADDRESS	4	STCBDUCV	VIRTUAL ADDRESS OF THE DUCT. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: TCBACTIV.
44	(2C)	ADDRESS	4	STCBDUCR	REAL ADDRESS OF THE DUCT. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: TCBACTIV.
48	(30)	BITSTRING	64	STCBARS (0)	ACCESS REGISTER SAVEAREA. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
48	(30)	SIGNED	4	STCBAR0	ACCESS REGISTER 0 SAVE AREA.
52	(34)	SIGNED	4	STCBAR1	ACCESS REGISTER 1 SAVE AREA.
56	(38)	SIGNED	4	STCBAR2	ACCESS REGISTER 2 SAVE AREA.
60	(3C)	SIGNED	4	STCBAR3	ACCESS REGISTER 3 SAVE AREA.
64	(40)	SIGNED	4	STCBAR4	ACCESS REGISTER 4 SAVE AREA.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
68	(44)	SIGNED	4	STCBAR5	ACCESS REGISTER 5 SAVE AREA.
72	(48)	SIGNED	4	STCBAR6	ACCESS REGISTER 6 SAVE AREA.
76	(4C)	SIGNED	4	STCBAR7	ACCESS REGISTER 7 SAVE AREA.
80	(50)	SIGNED	4	STCBAR8	ACCESS REGISTER 8 SAVE AREA.
84	(54)	SIGNED	4	STCBAR9	ACCESS REGISTER 9 SAVE AREA.
88	(58)	SIGNED	4	STCBAR10	ACCESS REGISTER 10 SAVE AREA.
92	(5C)	SIGNED	4	STCBAR11	ACCESS REGISTER 11 SAVE AREA.
96	(60)	SIGNED	4	STCBAR12	ACCESS REGISTER 12 SAVE AREA.
100	(64)	SIGNED	4	STCBAR13	ACCESS REGISTER 13 SAVE AREA.
104	(68)	SIGNED	4	STCBAR14	ACCESS REGISTER 14 SAVE AREA.
108	(6C)	SIGNED	4	STCBAR15	ACCESS REGISTER 15 SAVE AREA.
112	(70)	ADDRESS	4	STCBLSSD	VIRTUAL ADDRESS OF THE LSSD FOR THE TASK. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.
116	(74)	ADDRESS	4	STCBLSDP	LINKAGE STACK ENTRY DESCRIPTOR (LSED) POINTER. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
120	(78)	DBL WORD	8	STCBRME (0)	TASK RELATED RESOURCE MANAGER QUEUE POINTERS. OWNERSHIP: RTM. SERIALIZATION: LOCAL LOCK.
120	(78)	ADDRESS	4	STCBRMEF	POINTER TO HEAD OF TASK RELATED RESOURCE MANAGER QUEUE.
124	(7C)	ADDRESS	4	STCBRMEL	POINTER TO TAIL OF TASK RELATED RESOURCE MANAGER QUEUE.
128	(80)	ADDRESS	4	STCBESTK	VIRTUAL ADDRESS OF THE LINKAGE STACK ENTRY DESCRIPTOR (LSED) REPRESENTING AN EMPTY LINKAGE STACK. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: N/A.
132	(84)	BITSTRING 1...	1	STCBFLG2 STCBRMET	FLAG BYTE OWNERSHIP: RTM,CSV. SERIALIZATION: LOCAL LOCK. "X'80" IF ON, INDICATES TASK IS IN TERMINATION AND NO FURTHER RESOURCE MANAGER REQUESTS WILL BE HONORED.
		.1.		STCBINRT	"X'40" The task is processing within RTLS. An IRB must not issue a CSVRTL5 request.
		..1.		STCBPROP	"X'20" ATTACH is propagating the PKM.
133	(85)	BITSTRING 1...	1	STCBFLG3 STCBNCNL STCBNOAB STCBRTNC	FLAG BYTE OWNERSHIP: RTM. SERIALIZATION: TCBACTIV "X'80" TASK IS NOT SUBJECT TO CANCEL OR DETACH. "X'40" NCNL EXTENSION "X'20" ABTERMS OF THIS TASK ARE TO BE DEFERRED WHILE RTM2 PROCESSING IS ACTIVE
		...1		STCBEOM	"X'10" TASK IS CALLING END OF MEMORY RESOURCE MANAGERS
134	(86)	SIGNED	2	STCBNSTP	COUNT OF REQUESTS TO IGNORE SRB TO TASK PERCOLATIONS OWNERSHIP: RTM. SERIALIZATION: TCBACTIV
136	(88)	ADDRESS	4	STCBTLSD	ADDRESS OF TASK RELATED LSSD FOR THE LINKAGE STACK FROM DREF STORAGE
140	(8C)	ADDRESS	4	STCBTLSP	ADDRESS OF TASK RELATED INITIAL LSED FOR THE LINKAGE STACK FROM DREF STORAGE
144	(90)	CHARACTER	16	STCBTTKN	TTOKEN FOR THIS TASK OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: LOCAL LOCK
160	(A0)	ADDRESS	4	STCBALOC	POINTER TO DYNAMIC STORAGE BUFFER OWNERSHIP: ALLOCATION SERIALIZATION: NONE
164	(A4)	BITSTRING	1	STCBR0A4	RESERVED.
165	(A5)	BITSTRING 1...	1	STCBCRYP STCBUICS	Crypto flags. Ownership: ICSF Serialization: none "X'80" This task is using ICSF Crypto services.
		.1.		STCBCRNQ	"X'40" This task is using ICSF key data set serialization.
166	(A6)	BITSTRING	2	STCBTAFA	Transient feature affinity. SERIALIZATION: TCBACTIV OWNERSHIP: SUPERVISOR CONTROL
168	(A8)	SIGNED	4	STCBR0A8	RESERVED, WAS STCBVTME
172	(AC)	SIGNED	4	STCBMIOC	Count of currently outstanding MM I/Os per TCB Ownership: Media Manager Serialization: CS
176	(B0)	SIGNED	4	STCBMEMC	Count of XCF members under this task. OWNERSHIP: XCF. SERIALIZATION: Compare-and-Swap.
180	(B4)	BITSTRING 1...	1	STCBXCFF STCBSUSM	XCF FLAG. OWNERSHIP: XCF. SERIALIZATION: TCBACTIV. "X'80" Bit flag for use by XCF.
		.1.		STCBXCF_ISSERVER	"X'40" Bit flag for use by XCF.
		..1.		STCBXCF_ISRECEIVER	"X'20" Bit flag for use by XCF.
		...1		STCBXCF_ISSENDER	"X'10" Bit flag for use by XCF.
		.... 1...		STCBXCF_ISFAILED	"X'08" Bit flag for use by XCF.
181	(B5)	BITSTRING 1...	1	STCBFLG4 STCBENFL	Flag byte 4. "X'80" If on, indicates task issued ENF listen request. Ownership: ENF. Serialization: None.
		.1.		STCBVSMM	"X'40" If on, indicates task has a buffered IEA7051 message Ownership: VSM. Serialization: None.
182	(B6)	BITSTRING 1...	1	STCBFLG5 STCBUNCK	Flag byte 5. "X'80" If on, user requests no checkpoint. Ownership: Scheduler/Allocation. Serialization: None.

STCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1... ..		STCBENCK	"X'40" If on, checkpoint not honored due to environmental constraints. Ownership: Scheduler/Allocation. Serialization: None.
		..1.		STCBOPTC	"X'20" If on, indicates task is running under control of the OpenMVS Ptrace debugger. Ownership: OpenMVS. Serialization: Compare-and-Swap
183	(B7)	BITSTRING 1... ..	1	STCBFLG6 STCBSATF	Flag byte 6. Serialization: None "X'80" If on, indicates that RACF should check TCBNTL in this TCB rather than finding the jobstep TCB when performing program protection.
		.1... ..		STCBFCAP	"X'40" If on, this task passed the resource check Ownership: IOS Serialization: TCBACTIV
		..1.		STCBFCPP	"X'20" If on, this task performed the resource check Ownership: IOS Serialization: TCBACTIV
184	(B8)	ADDRESS	4	STCBDFTS	ADDRESS OF THE DFP-SMSX STRUCTURE FOR THE TASK. OWNERSHIP: DFP. SERIALIZATION: NONE
188	(BC)	ADDRESS	4	STCBJSAB	ADDRESS OF JOB SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: CONTROLLING JOB SCHEDULER. SERIALIZATION: SEE MACRO IAZXJSAB.
192	(C0)	ADDRESS	4	STCBTTCB	TCPIP STCB Extension Ownership: TCPIP Serialization: Compare and Swap when this task is activated as a TCPIP client
196	(C4)	SIGNED	4	STCBRGSV (0)	Registration Services Indicators Ownership: Registration Services Serialization: RegServ Lock.
196	(C4)	BITSTRING 1... .. .1... ..	1	STCBRGS1 STCBRGRM STCBRGEM	First Byte of Indicators "X'80" Task has registered as one or more resource managers. "X'40" Task has registered as one or more exit managers.
197	(C5)	BITSTRING	3	STCBRGS2	Unused but reserved by CRG
200	(C8)	ADDRESS	4	STCBNTTP	Address of task level Name/Token header. Ownership: Supervisor Control. Serialization: Local lock.
204	(CC)	SIGNED	4	STCBCON#	NUMBER OF IXLCONNS IN EFFECT FOR THIS TASK. OWNERSHIP: SYSTEM LOCK MANAGER. SERIALIZATION: TCBACTIV.
208	(D0)	SIGNED	4	STCBRCTS (0)	REFERENCE PATTERN COUNTS. OWNERSHIP: RSM. SERIALIZATION: RSMAD LOCK FOR THE ADDRESS SPACE OF THE TASK.
208	(D0)	SIGNED	2	STCBARCT	NUMBER OF REFERENCE PATTERNS SPECIFIED FOR ADDRESS SPACE VIRTUAL STORAGE.
210	(D2)	SIGNED	2	STCBDRCT	NUMBER OF REFERENCE PATTERNS SPECIFIED FOR DATA SPACE VIRTUAL STORAGE.
212	(D4)	BITSTRING 1... ..	4	STCBDFP STCBOAM	RESERVED FOR USE BY DFP. OWNERSHIP: DFP. SERIALIZATION: LOCAL LOCK. "X'80" TASK IS A USER OF OAM RESOURCES.
216	(D8)	ADDRESS	4	STCBOTCB	Address of OpenMVS Task Control Block. Ownership: OpenMVS. Serialization: Local lock.
220	(DC)	ADDRESS	4	STCBCDXH	ADDRESS OF THE JOB PACK QUEUE CDE EXTENSIONS HASH TABLE. OWNERSHIP: CONTENTS SUPERVISOR (CSV) SERIALIZATION: LOCAL LOCK.
224	(E0)	ADDRESS	4	STCBSJST	ADDRESS OF THE LOCAL STORAGE OBTAINED BY THE SJF CONTROL MODULE. OWNERSHIP: SCHEDULER JCL FACILITY. SERIALIZATION: NONE.
228	(E4)	ADDRESS	4	STCBATAD	Address of the ATTACH SVC in the routine which created this task. If the low bit is on, SVC 2A was issued from a program above 2G and STCBATAD contains the low half of the address
232	(E8)	ADDRESS	4	STCBWEB	Address of task's WEB. SERIALIZATION: Disablement. OWNERSHIP: Task Management.
236	(EC)	SIGNED	4	STCBSEQN	RB Sequence Number Counter. Ownership: Supervisor Control. Serialization: Compare-and-Swap.
240	(F0)	SIGNED	2	STCBXCNT	Count of currently outstanding EXCPs per TCB. Ownership: EXCP. Serialization: Local lock.
242	(F2)	BITSTRING 1... ..	1	STCBCONS STCBWTO	Console Flag. Ownership: Consoles. Serialization: None. "X'80" Jobstep TCB issued a WTO
243	(F3)	BITSTRING	1	STCBFLG7	Flag byte 7. 2
244	(F4)	SIGNED	4	STCBPECB	ECB used internally by RTM processing during task termination. Ownership: RTM. Serialization: Local lock.
248	(F8)	ADDRESS	4	STCBIXGL	Pointer to SLC task related information. Ownership: System Logger. Serialization: Local lock.
252	(FC)	ADDRESS	4	STCBDETA	Address of Task being Detached by this Task. Ownership: Detach Serialization: Local Lock
256	(100)	ADDRESS	4	STCBPQUE	Address of the next Task that requires Parallel Detach protection Ownership: RTM Serialization: Local Lock
260	(104)	CHARACTER	4	STCBCNZL	Count of Console resources held by this Task Ownership: Consoles Serialization: Compare and Swap
264	(108)	ADDRESS	4	STCBSTSB	Address of the STSB (IWMSTSB). Ownership: WLM Serialization: WLMQ lock.
268	(10C)	CHARACTER	8	STCBEUTK	Execution unit token for this task Ownership: WLM
276	(114)	ADDRESS	4	STCBENCR	Address of the root task in the current attach chain. NOTE: This field is only valid if this task's WEBTYPE=WEBTETCB. Ownership: Supervisor Serialization: TCBACTIV (executing under task in module IEAVJOIN.)
		1... ..		STCBENJS	"X'80" Join with subtasks. NOTE: This field is valid only for the root TCB when that TCB's WEBTYPE is WEBTETCB. Ownership: Supervisor Serialization: TCBACTIV (executing under task in module IEAVJOIN or IEAVLEAV.)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
280	(118)	SIGNED	4	STCBENCC	Count of subtasks that have joined the root task's enclave via attach. NOTE: This field is only valid for the root tcb (STCBENCR). Also, it is only valid if the root tcb's WEBSITE is WEBSITE. Ownership: Supervisor Serialization: Enclave queue lock.
284	(11C)	ADDRESS	4	STCBDB2	Token used by DB/2. Serialization: TCBACTIV
288	(120)	CHARACTER	4	STCBR120	Reserved.
292	(124)	CHARACTER	4	STCBPMOM	Address of purge-only Mother Task Ownership: RTM Serialization: local lock
296	(128)	CHARACTER	4	STCBOFLG	Openedit flags
300	(12C)	ADDRESS	4	STCBBCBA	Address of SOMObjects data structure Ownership: SOMObjects for OS/390 Serialization: CS
304	(130)	BITSTRING	4	STCBFLCS	CS-serialized flags
304	(130)	BITSTRING	1	STCBFLC0	Byte 0 of CS-serialized flags
		1... ..		STCBTRST	"X'80" RACF program control trust
		.1... ..		STCBNTRS	"X'40" RACF program control non-trust
		.1... ..		STCBPSEN	"X'20" Copy of RCVTPSEN at the time the task was attached. Valid only for jobstep task
		...1 ..		STCBPSBA	"X'10" RACF basic program security
305	(131)	BITSTRING	1	STCBFLC1	Byte 1 of CS-serialized flags
306	(132)	BITSTRING	1	STCBFLC2	Byte 2 of CS-serialized flags
307	(133)	BITSTRING	1	STCBFLC3	Byte 3 of CS-serialized flags
308	(134)	BITSTRING	4	STCBVREQ	State of outstanding VTAM requests for this task. Ownership: VTAM Serialization: Modified only by VTAM requests running under this task.
312	(138)	CHARACTER	100	STCBAFPR	FP save area: 1,3,5,7-15,FPCR
312	(138)	X'198'	0	STCBFPCR	"STCBAFPR+96" FPCR
412	(19C)	BITSTRING	1	STCBFPFL	FP Flags Serialization: TCBACTIV
		1... ..		STCBBFP	"X'80" Extended FP saving rqd
		.1... ..		STCBRI	"X'40" RI authorized
		.1... ..		STCBNS64	"X'20" Used by ESPIE processing to tell the dispatcher not to save the upper halves of the GPRs
		...1 ..		STCBVSS	"X'10" Vector status saving. This bit reflects the STCBVISA value, in the same byte as STCBBFP so that the dispatcher can check both with one test
413	(19D)	BITSTRING	1	STCBIPKF	Initial PKF. This is used to deal with propagating PKM. If you change TCBPKF, you should change STCBIPKF to match if you want PKM propagation.
414	(19E)	BITSTRING	2	STCBIPKM	Initial PKM. This is used to deal with propagating PKM. If you change TCBPKF, you should change STCBIPKM to match if you want PKM propagation.
416	(1A0)	BITSTRING	64	STCBG64H	High halves of 64-bit GPRs
480	(1E0)	DBL WORD	8	STCB_TTIME	Aligned copy of TCBTIME
488	(1E8)	DBL WORD	8	STCB_TTIME_ON_IFA	IFA TCB time
496	(1F0)	DBL WORD	8	STCB_TTIME_ON_CP	Standard CP TCB time
504	(1F8)	ADDRESS	4	STCBALC	Allocation field
508	(1FC)	ADDRESS	4	STCBUSER	User field. Owner: target module of the ATTACH. Must be set only by that module or a module in its component
512	(200)	ADDRESS	4	STCBOTCA	Address of OTCB Alternate Anchor For Cleanup Ownership: USS Serialization: run under this task.
516	(204)	ADDRESS	4	STCBLAA	Address of LE Library Anchor Area
520	(208)	CHARACTER	528	STCBSCA (0)	SPIE/ESPIE-related fields
520	(208)	ADDRESS	4	STCBPIE	Address of PIE control block
524	(20C)	CHARACTER	1	STCBPMSK	Program Mask at time of SPIE initiation. Restored at SPIE nullification.
525	(20D)	CHARACTER	1	STCBFLG8	ESPIE flags
		1... ..		STCBTYPE	"X'80" If 1 then an ESPIE exit is in control. If 0 then a SPIE exit is in control. This bit is only meaningful if PIENOP1 is set to 1
		.1... ..		STCBLESR	"X'40" If 1 then the ESPIE SRB should call LE
526	(20E)	SIGNED	2	STCBSPOV	Count of SPIE/ESPIE overrides Ownership: RTM Serialization: Run under this task or have it set non-dispatchable
528	(210)	CHARACTER	16	STCBPRMS (0)	PC-FLIHs SRB parms
528	(210)	CHARACTER	4	STCBRBP	Address of RB which had the program interrupt
532	(214)	CHARACTER	4	STCBILCP (0)	ILC and interrupt code from the program interrupt
532	(214)	CHARACTER	1		Reserved - to match the first byte of LCCAPINT
533	(215)	CHARACTER	1	STCBILC	Instruction length code
534	(216)	CHARACTER	2	STCBINTC	Program Interrupt Code
536	(218)	CHARACTER	8	STCBPPSW	PSW at program interrupt
544	(220)	ADDRESS	4	STCBRPP	Recovery PIE PICA address
548	(224)	ADDRESS	4	STCBFRPQ	Free RPP queue header
552	(228)	ADDRESS	4	STCBLSCR	Linkage Stack control register at time of error for ESPIE
556	(22C)	CHARACTER	64	STCBSARS	Access Registers at time of error for ESPIE
620	(26C)	CHARACTER	4	STCBWORK	Work area used during ESPIE
624	(270)	ADDRESS	4	STCBPPIE	Address of public storage ESPIE or zero.
628	(274)	ADDRESS	4	STCBCPIE	PIE being used by the current SPIE/ESPIE exit (if any)
632	(278)	CHARACTER	64	STCBS64H	64-bit GPR high halves for ESPIE
696	(2B8)	CHARACTER	128	STCBS64	Entire 64-bit GPRs for ESPIE
824	(338)	SIGNED	4	STCBTPIN	UCB PIN count for this TCB. Ownership: IOS
828	(33C)	CHARACTER	4	STCBR33C	Reserved

STCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
832	(340)	CHARACTER	8	STCBTIMI	Cumulative time at last SMF interval Ownership: SMF Serialization: Local lock
840	(348)	CHARACTER	36	STCBR348	Reserved
876	(36C)	SIGNED	4	STCBXRCT	XES request count Serialization: compare and swap Ownership: XES
880	(370)	CHARACTER	8	STCBSBEA	Breaking Event Address for ESPIE
888	(378)	CHARACTER	128	STCBSC64	Entire 64-bit Control Regs for ESPIE
1016	(3F8)	BITSTRING	1	STCBPTR2	TEA AR number for ESPIE
1017	(3F9)	BITSTRING	3	STCBR3FD	Reserved
1020	(3FC)	SIGNED	4	STCBPVAD (0)	TEA (32-bit) for ESPIE
1020	(3FC)	BITSTRING	3		
1023	(3FF)	BITSTRING	1	STCBDXC	Data exception code when PIC 7
1024	(400)	CHARACTER	8	STCBPV64	TEA (64-bit) for ESPIE
1032	(408)	CHARACTER	4	STCBOLCP (0)	Copy of original STCBILCP
1032	(408)	CHARACTER	1		Reserved - to match the first byte of LCCAPINT
1033	(409)	CHARACTER	1	STCBOILC	Original ILC
1034	(40A)	CHARACTER	2	STCBOPIC	Original PIC
		.... ..1.		STCBOPTX	"X'02" PI within TX
1036	(40C)	CHARACTER	4	STCBR40C	Reserved for SCA expansion
1040	(410)	DBL WORD	8	STCB_TTIME_ON_SUP	SUP TCB time
1048	(418)	DBL WORD	8	STCB_TTIME_IFA_ON_CP	IFA ON CP TCB TIME
1056	(420)	DBL WORD	8	STCB_TTIME_SUP_ON_CP	SUP on CP TCB time. When zAAPzIIP=YES is in effect, zAAP-eligible work running on a CP is included.
1064	(428)	DBL WORD	8	STCBGTCB	Address of GTCB (mapped by ISGYGTCB) Ownership:GRS Serialization: Compare and swap
1072	(430)	DBL WORD	8	STCBHP1	Pointer to Heap Pool 1 structure supporting macro IARST64 for common storage. Ownership: RSM. Serialization: CSG
1080	(438)	DBL WORD	8	STCBCPHA	Pointer to authorized cell pool block supporting macros IARST64 and IARCP64 OWNERSHIP: RSM. SERIALIZATION: Local Lock
1088	(440)	BITSTRING	8	STCB_HIS_AREA (0)	HIS data
1088	(440)	ADDRESS	4	STCB_HIS_TCB@	Address of this TCB. Note TCBs are really 24 bit pointers, so the first byte is used as flags
		1... ..		STCB_HIS_IS_WAIT	"X'80" This bit is on when a wait has been dispatched
1092	(444)	SIGNED	2	STCB_HIS_HOMEASID	Home ASID where the TCB is scheduled to run
		1... ..		STCB_HIS_IS_SRB	"X'80" This bit is on when the HIS data is for an SRB. Note this bit will never be on, but it is documented here to indicate what it means
1094	(446)	SIGNED	2	STCB_HIS_TOKEN	A token used to identify when the same TCB is being redispached or this TCB is being reused to dispatch a different unit of work
1096	(448)	SIGNED	4	STCBDSPC	TCB thread dispatch count
1100	(44C)	SIGNED	4	STCB_MININTCOUNT	TCB minor interrupt count
1104	(450)	SIGNED	4	STCB_MAJINTCOUNT	TCB major interrupt count
1108	(454)	ADDRESS	4	STCB_JES_SYMBOL_TABLE_ADDR	JES symbol table address. Owner: JES Serialization: Local Lock
1112	(458)	CHARACTER	16	STCBPPSW16	SPIE/ESPIE 16-byte PSW
1128	(468)	CHARACTER	128	STCBSTXG64	When TX, this contains the 64-bit GRs that resulted from the program-interrupt-caused transaction abort
1256	(4E8)	CHARACTER	16	STCBSTXPSW16	When TX, this contains the 16-byte PSW that resulted from the program-interrupt-caused transaction abort
1272	(4F8)	CHARACTER	64	STCBRICCB	
1336	(538)	DBL WORD	8	STCBEND (0)	END OF STCB.

STCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STCB	0		STCBDFP	D4	
STCB_HIS_AREA	440		STCBDFTS	B8	
STCB_HIS_HOMEASID	444		STCBDIVF	8	
STCB_HIS_IS_SRB	444	80	STCBDIVL	C	
STCB_HIS_IS_WAIT	440	80	STCBDRCT	D2	
STCB_HIS_TCB@	440		STCBDSPC	448	
STCB_HIS_TOKEN	446		STCBDUCR	2C	
STCB_JES_SYMBOL_TABLE_ADDR	454		STCBDUCV	28	
STCB_MAJINTCOUNT	450		STCBDXC	3FF	
STCB_MININTCOUNT	44C		STCBEGIN	0	
STCB_TTIME	1E0		STCBENCC	118	
STCB_TTIME_IFA_ON_CP	418		STCBENCK	B6	40
STCB_TTIME_ON_CP	1F0		STCBENCR	114	
STCB_TTIME_ON_IFA	1E8		STCBEND	538	
STCB_TTIME_ON_SUP	410		STCBENFL	B5	80
STCB_TTIME_SUP_ON_CP	420		STCBENJS	114	80
STCBAFNS	10		STCBEOM	85	10
STCBAFPR	138		STCBESTK	80	
STCBALC	1F8		STCBEUTK	10C	
STCBALD	24		STCBFCAP	B7	40
STCBALOC	A0		STCBFCPP	B7	20
STCBALOV	20		STCBFLCS	130	
STCBARCT	D0		STCBFLC0	130	
STCBARS	30		STCBFLC1	131	
STCBAR0	30		STCBFLC2	132	
STCBAR1	34		STCBFLC3	133	
STCBAR10	58		STCBFLG1	19	
STCBAR11	5C		STCBFLG2	84	
STCBAR12	60		STCBFLG3	85	
STCBAR13	64		STCBFLG4	B5	
STCBAR14	68		STCBFLG5	B6	
STCBAR15	6C		STCBFLG6	B7	
STCBAR2	38		STCBFLG7	F3	
STCBAR3	3C		STCBFLG8	20D	
STCBAR4	40		STCBFPCR	138	198
STCBAR5	44		STCBFPFL	19C	
STCBAR6	48		STCBFRPQ	224	
STCBAR7	4C		STCBGTCB	428	
STCBAR8	50		STCBG64H	1A0	
STCBAR9	54		STCBHP1	430	
STCBATAD	E4		STCBHP1	430	
STCBBCBA	12C		STCBILC	215	
STCBBFP	19C	80	STCBILCP	214	
STCBCDXH	DC		STCBINRT	84	40
STCBCLUP	19	8	STCBINTC	216	
STCBCMP	1C		STCBIPKF	19D	
STCBCMPC	1D		STCBIPKM	19E	
STCBCMPF	1C		STCBIXGL	F8	
STCBCNZL	104		STCBJSAB	BC	
STCBCON#	CC		STCBLAA	204	
STCBCONS	F2		STCBLESR	20D	40
STCBCPHA	438		STCBLSCR	228	
STCBCPIE	274		STCBLSDP	74	
STCBCRNQ	A5	40	STCBLSSD	70	
STBCRYP	A5		STCBMEMC	B0	
STCBCTSC	12		STCBMIOC	AC	
STCBDB2	11C		STCBNCNL	85	80
STCBDETA	FC		STCBNOAB	85	40
			STCBNSTP	86	
			STCBNS64	19C	20
			STCBNTRS	130	40
			STCBNTTP	C8	
			STCBOAM	D4	80
			STCBOFLG	128	
			STCBOILC	409	
			STCBOLCP	408	
			STCBOPIC	40A	
			STCBOPTC	B6	20
			STCBOPTX	40A	2
			STCBOTCA	200	
			STCBOTCB	D8	
			STCBPECB	F4	
			STCBPIE	208	

STCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STCBPIQ	19	80			
STCBPMOM	124		STCBXCF_ISRECEIVER	B4	8
STCBPMSK	20C			B4	20
STCBPPIE	270		STCBXCF_ISSENDER	B4	10
STCBPPSW	218			B4	40
STCBPPSW16	458		STCBXCF_ISSERVER	B4	40
STCBPQUE	100			B4	
STCBPRMS	210		STCBXCFF	B4	
STCBPROP	84	20	STCBXCNT	F0	
STCBPSBA	130	10	STCBXRCT	36C	
STCBPSEN	130	20	STCBZ1	14	
STCBPTR2	3F8				
STCBPVAD	3FC				
STCBPV64	400				
STCBRACP	4				
STCBRBP	210				
STCBRCTS	D0				
STCBRGEM	C4	40			
STCBRGRM	C4	80			
STCBRGSV	C4				
STCBRGS1	C4				
STCBRGS2	C5				
STCBRI	19C	40			
STCBRICCB	4F8				
STCBRME	78				
STCBRMEF	78				
STCBRMEL	7C				
STCBRMET	84	80			
STCBRPP	220				
STCBRTNC	85	20			
STCBR0A4	A4				
STCBR0A8	A8				
STCBR01A	1A				
STCBR018	18				
STCBR120	120				
STCBR3FD	3F9				
STCBR33C	33C				
STCBR348	348				
STCBR40C	40C				
STCBSARS	22C				
STCBSATF	B7	80			
STCBSBEA	370				
STCBSCA	208				
STCBS64	378				
STCBSEQN	EC				
STCBSJST	E0				
STCBSPOV	20E				
STCBSST	19	10			
STCBSTCB	0				
STCBSTSB	108				
STCBSTXG64	468				
STCBSTXPSW16	4E8				
STCBSUSM	B4	80			
STCBS64	2B8				
STCBS64H	278				
STCBTAFA	A6				
STCBTIMI	340				
STCBTLSD	88				
STCBTLSP	8C				
STCBTPIN	338				
STCBTRST	130	80			
STCBTTCB	C0				
STCBTTKN	90				
STCBTYPE	20D	80			
STCBUICS	A5	80			
STCBUNCK	B6	80			
STCBUSER	1FC				
STCBVREQ	134				
STCBVSMM	B5	40			
STCBVSS	19C	10			
STCBWEB	E8				
STCBWORK	26C				
STCBWTO	F2	80			
STCBXCF_ISFAILED					

STKE Information

STKE Heading Information

Common Name: PCLINK Stack Element (STKE)
Macro ID: IHASTKE
DSECT Name: STKE
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: STKE
 Offset: 0
 Length: 4
Storage Attributes: Subpool: For local pools: 255 For global pool: 239
 Key: For local pools: 0 For global pool: 0
Size: 56 bytes
Created by: IEAVXSTK
Pointed to by: PSASTKE, XSBSTKE, STKHAEP, STKEPREV
 When the STKE is on the free queue, the origin is STKHAEP and the link field is STKEPREV.
 When the STKE is in use, the origin is PSASTKE or XSBSTKE and the link field is STKEPREV.
Serialization: None
Function: Maps the local and global PCLINK stack elements, which form the control blocks for the PCLINK STACK/UNSTACK/EXTRACT services.

STKE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	56	STKE	BEGINNING OF STACK ELEMENT
0	(0)	CHARACTER	4	STKESTKE	STKE acronym, STKE in all extents except the first which has STKP instead
4	(4)	ADDRESS	4	STKEHEAD	ADDRESS OF POOL HEADER
8	(8)	CHARACTER	8	STKEINFO	STACK INFORMATION FOR PREVIOUS STKE (PSASTKE OR XSBSTKE HAS THE CORRESPONDING INFORMATION FOR THE TOP STKE FOR AN RB OR SRB.)
8	(8)	UNSIGNED	2	STKEPTKN	TOKEN OF PRIOR ELEMENT
10	(A)	BITSTRING	2	STKEPASD	ASID OF PRIOR ELEMENT
12	(C)	ADDRESS	4	STKEPREV	ADDRESS OF PRIOR ELEMENT (IF IN USE) OR NEXT FREE ELEMENT (IF NOT IN USE)
16	(10)	BITSTRING	1	STKEPGMM	PROGRAM MASK FROM PSW OF CALLER
17	(11)	BITSTRING	1	STKERSV1	RESERVED
18	(12)	BITSTRING	2	STKEASID	ASID OF POOL
20	(14)	ADDRESS	4	STKESA	PREVIOUS SAVE AREA
24	(18)	ADDRESS	4	STKERET	RETURN ADDRESS
28	(1C)	UNSIGNED	4	STKEPR15	PARAMETER REGISTER 15
32	(20)	UNSIGNED	4	STKEPRM0	PARAMETER REGISTER 0
36	(24)	UNSIGNED	4	STKEPRM1	PARAMETER REGISTER 1
40	(28)	BITSTRING	4	STKEKEY	
40	(28)	BITSTRING	3	STKEREG2	BITS 8-31 OF REG 2 OF CALLER
43	(2B)	BITSTRING	1	STKEKEY2	PSW KEY OF CALLER IN BITS 0-3
44	(2C)	BITSTRING	2	STKEKMSK	PSW KEY MASK (PKM) OF CALLER
46	(2E)	BITSTRING	2	STKECASD	PASID OF CALLER
48	(30)	ADDRESS	4	STKELPTR	LATENT PARAMETER POINTER
52	(34)	ADDRESS	4	STKEEPA	ENTRY POINT ADDRESS. IF BIT0=1, 31-BIT ADDRESSING MODE. IF BIT0=0, 24-BIT ADDRESSING MODE AND BITS 1-7 ARE UNPREDICTABLE
56	(38)	CHARACTER	0	STKEEND	END OF STKE

STKE Cross Reference

STKE Cross Reference

Name	Hex Offset	Hex Value
STKE	0	
STKEASID	12	
STKECASD	2E	
STKEEND	38	
STKEEPA	34	
STKEHEAD	4	
STKEINFO	8	
STKEKEY	28	
STKEKEY2	2B	
STKEKMSK	2C	
STKELPTR	30	
STKEPASP	A	
STKEPGMM	10	
STKEPREV	C	
STKEPRM0	20	
STKEPRM1	24	
STKEPR15	1C	
STKEPTKN	8	
STKEREG2	28	
STKERET	18	
STKERSV1	11	
STKESA	14	
STKESTKE	0	

SVCTABLE Information

SVCTABLE Heading Information

Common Name: SVC Table Entry
Macro ID: IHASVC
DSECT Name: SVC Table Entry: SVCENTRY SVC Update Recording Table Entry: SVCURT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: Above 16M
Size: SVC table: 8 bytes per entry, 256 entries
 SVC update recording table: 24 bytes per entry, 256 entries
Created by: SVC table: IEAVSVCT
 SVC update recording table: IEAVSVCR
Pointed to by: SVC table: SCVTSVCT field of the SCVT data area
 SVC update recording table: SCVTSVCR field of the SCVT data area
Serialization: Controlled by the SVC table update service (IEAVESTU)
Function: SVC table: Each entry contains information for a particular SVC function--the SVC entry point address, type, APF authorized, and locks needed before the module can be executed. SVC update recording table: Each entry contains a record of an update of the corresponding SVC table entry.
 Note: Entries in the SVC table are updated at IPL time from the SYS1.PARMLIB member IEASVCnn, or dynamically by the SVCUPDTE macro.

SVCTABLE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVCENTRY	
0	(0)	ADDRESS	4	SVCEP	SVC ENTRY POINT ADDRESS
		1... ..		SVCCAMODE	"X'80" AMODE INDICATOR
4	(4)	SIGNED	2	SVCATTR1 (0)	ATTRIBUTES
4	(4)	BITSTRING	1	SVCTP	TYPE FIELD
		.... ..		SVCTP1	"X'00" TYPE 1 SVC
		1... ..		SVCTP2	"X'80" TYPE 2 SVC
		11.. ..		SVCTP34	"X'C0" TYPE 3 OR 4 SVC
		..1.		SVCTP6	"X'20" TYPE 6 SVC
		.... 1..		SVCCAPF	"X'08" APF AUTHORIZED 1-AUTHORIZED
		.... .1..		SVCCESR	"X'04" SVC IS A PART OF THE ESR
		.... ..1.		SVCCNP	"X'02" NON-PREEMPTIVE SVC
		.... ...1		SVCCASF	"X'01" SVC CAN BE ASSISTED
5	(5)	BITSTRING	1	SVCATTR3	ATTRIBUTES
		1... ..		SVCCAR	"X'80" SVC MAY BE ISSUED IN AR ASC MODE
		.... ...1		SVCCSSESR	"X'01" Only applies to a subsystem screening table. Must be off for SVC entries.
6	(6)	SIGNED	2	SVCLLOCKS	LOCK ATTRIBUTES
		1... ..		SVCLL	"X'80" LOCAL LOCK NEEDED
		.1.		SVCCCMS	"X'40" CMS LOCK NEEDED
		..1.		SVCCOPT	"X'20" OPT LOCK NEEDED
		...1		SVCCALLOC	"X'10" SALLOC LOCK NEEDED
		.... 1..		SVCCDISP	"X'08" DISP LOCK NEEDED

Comment

MAPPING FOR ESR TABLE ENTRY

End of Comment

6	(6)	X'0'	0	SVCCESRAD	"SVCEP,4" ADDRESS OF ESR TABLE IF SVCCESR IS ON
6	(6)	X'4'	0	SVCCESRMX	"SVCATTR1,4" MAXIMUM ESR NUMBER SUPPORTED BY THIS ESR

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVCURT	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	24	SVCURTE (0)	ENTRY FOR 1 SVC
0	(0)	SIGNED	4	SVCURESR (0)	UR table for ESR

SVCTABLE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	CHARACTER	8	SVCUOLD	OLD SVC TABLE ENTRY
8	(8)	SIGNED	4	SVCURRET	RETURN ADDRESS IN CALLER OF DYNAMIC SVC UPDATE SERVICE
12	(C)	SIGNED	4	SVCURNEW	NEW SVC ENTRY POINT ADDRESS IF THIS MATCHES SVCEP IN SVC TABLE ENTRY, THEN DATA REPRESENTS CHANGE DATA FOR THAT ENTRY
16	(10)	SIGNED	4	SVCURDAT	CVTDATE FOR UPDATE
20	(14)	SIGNED	2	SVCURCNT	COUNT OF UPDATES FOR SVC
22	(16)	CHARACTER	2	SVCURSX	SUFFIX OF SYS1.PARMLIB MEM. CONTAINING SVCPARM STATEMENT IF REQUEST TO UPDATE SVC ENTRY WAS VIA IEASVCxx SYS1.PARMLIB MEMBERS

SVCTABLE Cross Reference

Name	Hex Offset	Hex Value
SVCALLOC	6	10
SVCAMODE	0	80
SVCAPF	4	8
SVCAR	5	80
SVCASF	4	1
SVCATTR1	4	
SVCATTR3	5	
SVCCMS	6	40
SVCDISP	6	8
SVCENTRY	0	
SVCEP	0	
SVCESR	4	4
SVCESRAD	6	0
SVCESRMX	6	4
SVCLL	6	80
SVCLOCKS	6	
SVCNP	4	2
SVCOPT	6	20
SVCSESER	5	1
SVCTP	4	
SVCTP1	4	0
SVCTP2	4	80
SVCTP34	4	C0
SVCTP6	4	20
SVCURCNT	14	
SVCURDAT	10	
SVCURESER	0	
SVCURNEW	C	
SVCUOLD	0	
SVCURRET	8	
SVCURSX	16	
SVCURT	0	
SVCURTE	0	

SVT Information

SVT Programming Interface information

Programming Interface information

SVT

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

- SVT_Accum_Entitle_Consumed
- SVT_Accum_Entitle_CR_Earned
- SVT_Accum_Entitle_Earned
- SVT_Accum_Entitle_Earned_Redeposited
- SVT_CriticalPaging
- SVT_Disp_IFACrossoverHP
- SVT_Disp_SUPHonorPriority
- SVT_Entitlement_Percent
- SVT_Hyperswap_In_Progress
- SVT_IFA_Normalization
- SVT_SUP_Normalization
- SVT_zIIPzAAP_Flags
- SVTCR_Word
- SVTSSTSV

End of Programming Interface information

SVT Heading Information • SVT Map

SVT Heading Information

Common Name: Supervisor Vector Table
Macro ID: IHASVT
DSECT Name: SVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Residency: Nucleus
Size: Offset of SVTEND minus offset of SVT
Created by: IEAVESVT
Pointed to by: CVTSVT field of the CVT data area
 PSASVT field of the PSA data area
Serialization: SVTDSREQ - Dispatcher lock
 SVTGSMQ, GSPL, LSMQ - Compare & Swap
 SVTWAS - Test and Set (TS)
 SVTDACTV - No longer used
 SVT_DISPATCHER_ACTIVE - No longer used
 SVTPWAIT - No longer used
 SVT_PROCESSOR_WAITING - No longer used
 SVT_WAITING_PROCESSOR_MASK - Compare and Swap
Function: Contains service routine addresses and control blocks used by Supervisor Control.

SVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SVT	
0	(0)	ADDRESS	4	SVTISECT	"V(IEAVEINT)" ADDRESS OF INTERSECT ROUTINE
4	(4)	ADDRESS	4	SVTGSCH1	"V(IEAVESC3)" ADDRESS OF GLOBAL SCHEDULE ROUTINE FOR ENABLED USERS
8	(8)	ADDRESS	4	SVTGSCH2	"V(IEAVESC4)" ADDRESS OF GLOBAL SCHEDULE ROUTINE FOR DISABLED USERS
12	(C)	ADDRESS 1...	4	SVTAWUQ SVTAFFON	Address of the AWUQ SERIALIZATION: None OWNERSHIP: Supervisor Control "X'80" Affinity dispatching is active
16	(10)	ADDRESS	4	SVTWEEF	Address of the first WEB Extent Element Pool. SERIALIZATION: Compare and Swap or Global Recovery protocols. OWNERSHIP: Supervisor Control
20	(14)	ADDRESS	4	SVTRSCS	"V(IEAVRSCS)" RESUME CONDITIONAL ENTRY PT
24	(18)	SIGNED	4	SVTJSTEQ	JOB STEP TIME EXCEEDED QUE
28	(1C)	SIGNED	4	SVTDSREQ (0)	DISPATCHER SERIALIZATION REQUIRED
28	(1C)	BITSTRING 1... .... .1.	1	SVTSRQ1 SVTDSG4 SVTDFLT	FIRST BYTE OF SVTDSREQ "X'80" SIGNAL WAITING PROCESSORS "X'40" DEFAULT GLOBAL INTERSECT
29	(1D)	BITSTRING 1... .... .... ..1. .... ..1	1	SVTSRQ2 SVTDSG3 SVTSRM1 SVTQVER	SECOND BYTE OF SVTDSREQ "X'80" SIGNAL WAITING PROCESSORS "X'02" SRM IS INTERSECTING "X'01" Q VERIFICATION INTERSECTING
30	(1E)	BITSTRING 1... .... .1. .... ..1. .... .... ..1. .... ..1	1	SVTSRQ3 SVTDSG2 SVTRCTI SVTTCBV SVTACHA SVTMTER SVTMINI SVTCBVE	THIRD BYTE OF SVTDSREQ "X'80" SIGNAL WAITING PROCESSORS "X'40" RCT INTERSECTING "X'20" TCB VERIFICATION INTERSECTING "X'10" ASCB CHAP INTERSECTING "X'04" MEMTERM INTERSECTING "X'02" MEMORY INIT INTERSECTING "X'01" CONTROL BLOCK VERIFICATION INTER
31	(1F)	BITSTRING 1... .... .1. .... ..1. .... ...1 ........ ..1. .... ..1	1	SVTSRQ4 SVTDSG1 SVTDETA SVTATTA SVTRTM2 SVTRTM1 SVTCHAP SVTSTAT SVTPURD	FOURTH BYTE OF SVTDSREQ "X'80" SIGNAL WAITING WAITING PROCESSORS "X'40" DETACH INTERSECTING "X'20" ATTACH INTERSECTING "X'10" RTM2 INTERSECTING "X'08" RTM1 INTERSECTING "X'04" TCB CHAP INTERSECTING "X'02" STATUS INTERSECTING "X'01" PURGE DQ INTERSECTING
32	(20)	DBL WORD	8	SVTGSRB (0)	GLOBAL SRB QUEUES
32	(20)	SIGNED	4	SVTGSMQ	GLOBAL SERVICE MANAGEMENT QUEUE
36	(24)	BITSTRING	4	SVTGSPL	No longer used. Must remain x'FFFFFFF'. SERIALIZATION: None OWNERSHIP: Supervisor Control
40	(28)	SIGNED	4	SVTLSMQ	LOCAL SERVICE MANAGEMENT QUEUE
44	(2C)	BITSTRING	64	SVTR02C	
108	(6C)	SIGNED	4	(0)	
108	(6C)	BITSTRING	4		PREVIOUSLY SVTDACTV - MUST ALWAYS REMAIN NONZERO
112	(70)	SIGNED	2	SVTAPCP	Initial value for the number of WEBS that must be on a WUQ as a gating factor for AWM SIGP SERIALIZATION: NONE OWNERSHIP: SRM

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
114	(72)	SIGNED	2	SVTMAXQL	The maximum number of WEBS 1 CP can dispatch in a timely fashion. Serialization: NONE Ownership: Supervisor/SRM
116	(74)	SIGNED	2	SVTMINHL	When a CP chooses another CPU for help, the minimum number of dispatches which will be done for help. - Serialization: NONE Ownership: Supervisor/SRM
118	(76)	BITSTRING	1	SVT_SHORTMINHDYESLOCKPROMOTE	Number of short minors lock promote can occur for in HD=YES. This field is dynamically updated in IEAVMPWQ
118	(76)	X'FF'	0	SVT_SHORTMINHDYESLOCKPROMAX	"255" Maximum number of short minors for lock promote
118	(76)	X'3'	0	SVT_MAJORSHDYESLOCKPROMOTE	"3" Number of majors for lock promote
119	(77)	BITSTRING 1...	1	SVTEGRT SVTINVOKEGRONSPIN	Global Recovery Test bits SERIALIZATION: NONE
120	(78)	ADDRESS	4	SVTCRSCR	"X'80" When on, next invoker of IEAVESPN will invoke global recovery "V(IEAVCRSC)" Address of the Supervisor Checkpoint/Restart SRB Check Routine.
124	(7C)	BITSTRING	4		PREVIOUSLY SVTPWAIT - MUST ALWAYS REMAIN NONZERO
128	(80)	SIGNED	4	SVTWPSCT	- Count of SIGPs to waiting processors due to timeout between waits SERIALIZATION: NONE OWNERSHIP: SRM
132	(84)	BITSTRING	4	SVTR084	Reserved. Formerly SVTMSWCT
136	(88)	ADDRESS	4	SVTACTR	"V(IEAVRT05)" ADDRESS OF ACCUMULATED CPU TIME SERVICE ROUTINE USED BY TIMEUSED MACRO
140	(8C)	ADDRESS	4	SVTISECR	"V(IEAVEINR)" INTERSECT RESET ROUTINE
144	(90)	SIGNED	4	SVTXASCB	ADDRESS OF PC/AUTH ASCB.
148	(94)	SIGNED	4	SVTXMD	ADDRESS OF CROSS MEMORY DIRECTORY (XMD) (IN PC/AUTH ADDRESS SPACE).
152	(98)	ADDRESS	4	SVTGSPPH	"V(IEASTKH)" ADDRESS OF GLOBAL STACK POOL HEADER FOR PCLINK SERVICE.
156	(9C)	SIGNED	2	SVTMCADS	MAXIMUM NUMBER OF ALE SLOTS IN A PASN ACCESS LIST RESERVED FOR CADS. INITIALIZED TO 50. MAY BE CHANGED BY IEAVNP09.
158	(9E)	SIGNED	2	SVTMPALE	NUMBER OF NON-CADS PASN ACCESS LIST ENTRIES. INITIALIZED BY IEAVNP09.
160	(A0)	ADDRESS	4	SVTBBER	"V(IEAVEBBR)" ADDRESS OF THE BIND BREAK ROUTINE.
164	(A4)	ADDRESS	4	SVTLASCB	ADDRESS OF LOCASCB SERVICE ROUTINE.
168	(A8)	BITSTRING	4	SVTCMCKM	CMSET CONSTANT FOR ICMA CHECK.
172	(AC)	ADDRESS	4	SVTCMST1	ADDRESS OF CMSET SET No longer used ROUTINE.
176	(B0)	ADDRESS	4	SVTCMRT1	ADDRESS OF CMSET RESET, No longer used CHKAUTH=YES ROUTINE.
180	(B4)	ADDRESS	4	SVTCMRT2	ADDRESS OF CMSET RESET, No longer used CHKAUTH=NO ROUTINE.
184	(B8)	ADDRESS	4	SVTCMSTR	ADDRESS OF CMSET SSARTO No longer used ROUTINE.
188	(BC)	ADDRESS	4	SVTCMSBR	ADDRESS OF CMSET SSARBACK No longer used ROUTINE.
192	(C0)	ADDRESS	4	SVTCDSPPE	ADDRESS OF CALLDISP ROUTINE FOR ENABLED CALLERS.
196	(C4)	ADDRESS	4	SVTCDSPD	ADDRESS OF CALLDISP ROUTINE FOR DISABLED CALLERS.
200	(C8)	ADDRESS	4	SVTSRBSV	"V(IEAVESTS)" ADDRESS OF SRBSTAT SAVE ROUTINE.
204	(CC)	ADDRESS	4	SVTSRBRS	"V(IEAVESTR)" ADDRESS OF SRBSTAT RESTORE ROUTINE.
208	(D0)	ADDRESS	4	SVTAFFST	"V(IEAVESAS)" ADDRESS OF SSAFF SET ROUTINE.
212	(D4)	ADDRESS	4	SVTAFFOB	"V(IEAVESAF)" ADDRESS OF SSAFF OBTAIN ROUTINE.
216	(D8)	ADDRESS	4	SVTSRBG	"V(IEAVSPM1)" ADDRESS OF GETSRB ROUTINE.
220	(DC)	ADDRESS	4	SVTSSRBG	"V(IEAVSPM2)" ADDRESS OF GETSRB ROUTINE.
224	(E0)	ADDRESS	4	SVTSRBF	"V(IEAVSPM3)" ADDRESS OF FREESRB ROUTINE.
228	(E4)	ADDRESS	4	SVTSSRBF	"V(IEAVSPM4)" ADDRESS OF FREESRB ROUTINE
232	(E8)	DBL WORD	8	SVTSRBP (0)	SUPERVISOR SRB POOL HEADER. SERIALIZATION - CDS.
232	(E8)	SIGNED	4	SVTSRBS	SRB POOL ELEMENT SYNC COUNT
236	(EC)	SIGNED	4	SVTSRBA	ADDRESS OF FIRST AVAILABLE SRB.
240	(F0)	SIGNED	4	SVTSRBE (0)	SRB POOL EXTENT COUNTS. SERIALIZATION - SALLOC.
240	(F0)	SIGNED	2	SVTSRBM	MAX SRB POOL EXTENTS.
242	(F2)	SIGNED	2	SVTSRBC	CURRENT SRB POOL EXTENTS.
244	(F4)	BITSTRING	12	SVTR0F4	Reserved. Formerly SVTWTSS_IFA, SVTSSRBP/S/A
256	(100)	CHARACTER	4	SVTSVT	SVT ACRONYM.
260	(104)	ADDRESS	4	SVTRSUA	"V(IEAVRSUA)" ADDRESS OF RESUME ROUTINE FOR ASYNCHRONOUS UNCONDITIONAL OPTION.
264	(108)	ADDRESS	4	SVTRSCA	"V(IEAVRSCA)" ADDRESS OF RESUME ROUTINE FOR ASYNCHRONOUS CONDITIONAL OPTION.
268	(10C)	ADDRESS	4	SVTRSUS	"V(IEAVRSUS)" ADDRESS OF RESUME ROUTINE FOR SYNCHRONOUS UNCONDITIONAL OPTION WITH ASCB SPECIFIED.
272	(110)	BITSTRING	4	SVTDSBCT (0)	- MAXIMUM NUMBER OF WEBS the DISPATCHER CAN PROCESS BEFORE INVOKING RECOVERY.

SVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<p>1FFF0026 is the initial value of SVTDSBCT, but will be replaced by the SRM RIM, during NIP. The low half of the value is an approximation of the number of instructions required during the dispatcher work search processing to look at one WEB from the WUQ. The high half of this value is used only until this value is replaced, and serves just to make this a large number. Due to the use of bits 0-2, the maximum value that can be used for DSBCCT is 2²⁹-1 which can accommodate about a 14 BIP UP. If we approach that limitation, we would need to change something.</p>					
End of Comment					
272	(110)	BITSTRING 1... .. .1. .... .1.	1	SVTCHKWP SVTWPCP SVTWPIFA	"X'80" CHECK WAITING PROCESSOR IF ON "X'40" Waiting processor is CP "X'20" Waiting processor is IFA
272	(110)	BITSTRING	0	SVTDSBCM	"X'1FFFFFFF" Mask to AND with SVTDSBCT to isolate the count
273	(111)	BITSTRING	2		-
275	(113)	BITSTRING.... ..1	1	SVTAWM	"X'01" ALTERNATE WAIT MANAGEMENT ENABLED FLAG (SVTDSBCT LOW BIT) SET BY SRM SERIALIZATION: NONE
276	(114)	BITSTRING	4	SVTMCBCT	- Maximum number of times to loop on a locked WEB before invoking Global Recovery. The last byte of this field should be equal to the number of instructions executed by the dispatcher in its worksearch loop used to lock a WEB. SERIALIZATION: None OWNERSHIP: SRM
280	(118)	SIGNED	4	SVTFW1 (0)	FULLWORD SERIALIZED BY CS.
280	(118)	BITSTRING 1... .. .1. .... ..1.	1	SVTCS1 SVTXMSOP SVTXMSUP SVTXMCMF	FIRST BYTE OF CS WORD. "X'80" PC/AUTH SERVICE ROUTINES OPERABLE. "X'40" PC/AUTH ADDRESS SPACE INITIALIZED. "X'20" CROSS MEMORY CONNECTIONS MANAGER HAS FAILED.
		...1 1.. .... ..1.		SVTAWUQE SVTCPCRN SVT_CRITICALPAGING	REUSABILITY FUNCTIONS ARE NOT OPERATIONAL. SERIALIZED BY PC/AUTH LOCAL LOCK. SET BY IEAVXMCM RECOVERY. 1 "X'10" Supervisor AWUQ error, affinity nodes must be rebuilt "X'08"
		.... ..1.		SVT_HYPERSWAP_IN_PROGRESS	"X'04" On when hardening critical address spaces against pagefaults. Note: If dynamically turned on, currently 'paged-out' storage will NOT be paged-in for critical address spaces
281	(119)	BITSTRING	3	SVTR119	"X'02" On when a Hyperswap process is in progress RESERVED. SERIALIZATION - CS.
284	(11C)	ADDRESS	4	SVTDSPC	"V(IEAVDSPC)" ADDRESS OF DISPATCHER ENTRY POINT FOR STOP ROUTINE CALLERS.
288	(120)	SIGNED	4	SVTAFTR	VIRTUAL ADDRESS OF ADDRESS SPACE FIRST TABLE (AFT) CONTAINING REAL ADDRESSES.
292	(124)	SIGNED	4	SVTAFTV	VIRTUAL ADDRESS OF ADDRESS SPACE FIRST TABLE (AFT) CONTAINING VIRTUAL ADDRESSES.
296	(128)	ADDRESS	4	SVTSSEM	"V(IEAVESSE)" ADDRESS OF SPACE SWITCH EVENT MANAGER.
300	(12C)	ADDRESS	4	SVTISSAT	"V(IEAISSAT)" ADDRESS OF INITIAL SUBSYSTEM AFFINITY TABLE FOR ALL TASKS.
304	(130)	SIGNED	4	SVTSTSV	LENGTH REQUIRED FOR SRB STATUS SAVE AREA.
308	(134)	SIGNED	4	SVTWTSS	Short time slice wait time Ownership: SRM SerIALIZATION: SRMLOCK
312	(138)	SIGNED	4	SVTMDLQ	MEMORY DELETE QUEUE HEADER FOR ASCBS THAT CANNOT BE FREED.
316	(13C)	SIGNED	4	SVTSLWLN	SLIP/PER WORK AREA LENGTH REQUIRED FOR EACH PROCESSOR
320	(140)	ADDRESS	4	SVTSRBMD	"V(IEAVESTM)" ADDRESS OF SRBSTAT MODIFY ROUTINE.
324	(144)	BITSTRING	2	SVTIFA (0)	IFA info
324	(144)	ADDRESS	2	SVT_AWUQ_HELP_LIMIT_PRTY	Help limit priority for alternate WUQs
324	(144)	BITSTRING	2	SVT_ASWUQ_HELP_LIMIT_PRTY	Limit priority for IFA help
326	(146)	SIGNED	2	SVTNSLX	NUMBER OF SYSTEM LXs BEYOND THE HIGHEST SYSTEM FUNCTION TABLE LX.
328	(148)	ADDRESS	4	SVTSET1	"V(IEAVSET1)" ADDRESS OF STATUS ENTRY POINT TO SIGPCPUS ROUTINE.
332	(14C)	ADDRESS	4	SVTISECG	"V(IEAVEING)" ADDRESS OF INTERSECT GLOBAL ENTRY POINT
336	(150)	ADDRESS	4	SVTISECL	"V(IEAVEINL)" ADDRESS OF INTERSECT LOCAL ENTRY POINT
340	(154)	BITSTRING	4	SVTSWUQ (0)	System WUQ (SWUQ) header address. INITIALIZED: IEAVINIT/IEAVMPWQ SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control
340	(154)	ADDRESS	4	SVTHPWUQ	The system WUQ is used as the high priority WUQ in HD=YES mode This value is zero in HD=NO INITIALIZED: IEAVINIT/IEAVMPWQ SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
344	(158)	ADDRESS	4	SVTCMST2	Address of CMSET SET,DIE=YES No longer used routine.	
348	(15C)	ADDRESS	4	SVTBEST@	Address of XES Back End Schedule Table (BEST). SERIALIZATION: XES-determined protocol OWNERSHIP: XES	
352	(160)	DBL WORD	8	(0)	INSURE DOUBLEWORD BDY	
352	(160)	BITSTRING	1	(16)	Reserved: was SVTDACTV	
368	(170)	DBL WORD	8	(0)	INSURE DOUBLEWORD BDY	
368	(170)	BITSTRING	1	(16)	Reserved: was SVTPWAIT	
384	(180)	SIGNED	4		Reserved: was SVTWPBM	
388	(184)	SIGNED	4		Reserved: was SVTSNCT2	
392	(188)	ADDRESS	4	SVTCMRT3	Address of CMSET RESET, No longer used CHKAUTH=YES,DIE=YES routine.	
396	(18C)	ADDRESS	4	SVTCMRT4	Address of CMSET RESET, No longer used CHKAUTH=NO,DIE=YES routine.	
400	(190)	ADDRESS	4	SVTSUSC	"V(IEAVSUSC)" GENERALIZED STOP ENTRY POINT ADDRESS	
404	(194)	ADDRESS	4	SVTRSTC	"V(IEAVRSTC)" GENERALIZED RESET ENTRY POINT ADDRESS	
408	(198)	ADDRESS	4	SVTCBLS	"V(IEAVCBLS)" ADDRESS OF CONTROL BLOCK LENGTH TABLE. OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - N/A	
412	(19C)	BITSTRING	4	SVT_IFA_NORMALIZATION	Normalization factor for IFA. Multiply IFA time by this value and divide by 256 to get the equivalent time on a CP	
416	(1A0)	BITSTRING	4	SVT_SUP_NORMALIZATION	Normalization factor for SUPs. Multiply SUP time by this value and divide by 256 to get the equivalent time on a CP	
416	(1A0)	X'8'	0	SVT_NORMALIZATION_SHIFT	"8" Amount to shift by to accomplish the divide. Not an interface	
416	(1A0)	X'8'	0	SVT_IFA_NORMALIZATION_SHIFT	"8" Amount to shift by to accomplish the divide. Not an interface	
416	(1A0)	X'100'	0	SVT_ZAAP_NORMALIZATION_DIVIDE	"256" Amount to divide by. Not an interface	
416	(1A0)	X'8'	0	SVT_SUP_NORMALIZATION_SHIFT	"8" Amount to shift by to accomplish the divide. Not an interface	
420	(1A4)	BITSTRING	1	(12)	Reserved: was SVTSPCP	
432	(1B0)	ADDRESS	4	SVTLSLO	"V(IEAVLSLO)" ADDRESS OF THE LINKAGE STACK MANAGER LOCAL OBTAIN ROUTINE.	
436	(1B4)	ADDRESS	4	SVTLSLR	"V(IEAVLSLR)" ADDRESS OF THE LINKAGE STACK MANAGER LOCAL RETURN ROUTINE.	
440	(1B8)	ADDRESS	4	SVTLSGO	"V(IEAVLSGO)" ADDRESS OF THE LINKAGE STACK MANAGER GLOBAL OBTAIN ROUTINE.	
444	(1BC)	ADDRESS	4	SVTLSGR	"V(IEAVLSGR)" ADDRESS OF THE LINKAGE STACK MANAGER GLOBAL RETURN ROUTINE.	
448	(1C0)	ADDRESS	4	SVTMPWQA	"V(IEAVMPWQ)" Address of IEAVMPWQ	
452	(1C4)	ADDRESS	4	SVTLSIO	"V(IEAVLSIO)" ADDRESS OF THE LINKAGE STACK MANAGER INTERRUPT HANDLER LS OBTAIN ROUTINE.	
456	(1C8)	ADDRESS	4	SVTLSIR	"V(IEAVLSIR)" ADDRESS OF THE LINKAGE STACK MANAGER INTERRUPT HANDLER LS RETURN ROUTINE.	
460	(1CC)	BITSTRING	4	SVTLEIGA	Initial Guardpage Address 000607	
464	(1D0)	DBL WORD	8	SVTGLAL (0)	GLOBAL ACCESS LIST POOL HEADER - SERIALIZATION CDS.	
464	(1D0)	ADDRESS	4	SVTGLALP	ADDRESS OF FIRST AVAILABLE GLOBAL POOL ACCESS LIST.	
468	(1D4)	SIGNED	4	SVTGALPS	SYNC COUNT FIELD FOR COMPARE DOUBLE AND SWAP OF SVTGLALP.	
472	(1D8)	BITSTRING	4	SVTGLPMX	MAXIMUM NUMBER OF BYTES BY WHICH GLOBAL ACCESS LIST POOL MAY BE EXPANDED.	
476	(1DC)	ADDRESS	4	SVTXAPM1	"V(IEAVXAPM)" ADDRESS OF ACCESS LIST POOL MANAGER EXPAND (IEAVXAPM) SERVICE.	
480	(1E0)	ADDRESS	4	SVTXAPM2	"V(IEAVXAP2)" ADDRESS OF ACCESS LIST POOL MANAGER RETURN (IEAVXAP2) SERVICE.	
484	(1E4)	ADDRESS	4	SVTINIT	"V(IEAVINIT)" ADDRESS OF IEAVINIT.	
488	(1E8)	ADDRESS	4	SVTXAACR	"V(IEAVXAAC)" ADDRESS OF ALET TO ASCB CONVERSION ROUTINE (IEAVXAAC).	
492	(1EC)	ADDRESS	4	SVTOENTY	ORIGIN OF THE ASVT ENTRY TABLE OF ASCB'S.	
496	(1F0)	ADDRESS	4	SVTSTKN	ADDRESS OF THE STKN TABLE.	
500	(1F4)	ADDRESS	4	SVTSTKNE	LAST ENTRY OF STKN TABLE.	
504	(1F8)	SIGNED	4	SVTMEOUT	SYSTEM SPIN LOOP TIMEOUT VALUE IN SECONDS, INITIALIZED BY IEEVESAI	
508	(1FC)	ADDRESS	4	SVTNALD	NULL ACCESS LIST REAL ADDRESS AND LENGTH. BITS 0-25 WITH SIX ZEROS APPENDED ON THE RIGHT FORM THE ADDRESS. BITS 26-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE.	
512	(200)	ADDRESS	4	SVTNALV	NULL ACCESS LIST VIRTUAL ADDRESS.	
516	(204)	ADDRESS	4	SVTDS0E1	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-1 (GIVEN CONTROL FOR UNLOCKED TASK DISPATCHES).	
520	(208)	ADDRESS	4	SVTDS0E2	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-2 (GIVEN CONTROL FOR LOCKED TASK DISPATCHES).	
524	(20C)	ADDRESS	4	SVTDS0E3	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-3 (GIVEN CONTROL FOR SRB DISPATCHES).	
528	(210)	ADDRESS	4	SVTDS0E4	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-4 (GIVEN CONTROL FOR SSRB DISPATCHES).	

SVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
532	(214)	ADDRESS	4	SVTDS0E5	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-5 (GIVEN CONTROL FOR WAIT TASK DISPATCHES).
536	(218)	ADDRESS	4	SVTASECT	ADDRESS OF THE ASE CONTROL TABLE.
540	(21C)	ADDRESS	4	SVTEXP3	"V(IEAVEXP3)" ADDRESS OF IEAVEXP3 SUBROUTINE IN EXIT PROLOGUE (LSED COMPARISON ROUTINE).
544	(220)	ADDRESS	4	SVTEMQRQ	"V(IEAVEMRQ)" ADDRESS OF MEMORY REQUEST
548	(224)	ADDRESS	4	SVTLSCO	"V(IEAVLSCO)" ADDRESS OF LS CONSTANTS TABLE
552	(228)	ADDRESS	4	SVTLSLC	"V(IEAVLSLC)" ADDRESS OF THE LINKAGE STACK LOCATE SERVICE ROUTINE.
556	(22C)	ADDRESS	4	SVTNLSSD	"V(IEAVNLSD)" ADDRESS OF NULL LS LSSD
560	(230)	ADDRESS	4	SVTNLSDP	"V(IEAVNLSP)" ADDRESS OF NULL LS LSED
564	(234)	ADDRESS	4	SVTQV4	"V(IEAVEQV4)" ADDRESS OF SINGLE SPACE DOUBLE LINKED QUEUE VERIFICATION ROUTINE.
568	(238)	ADDRESS	4	SVTQV5	"V(IEAVEQV5)" ADDRESS OF MULTIPLE SPACE DOUBLE LINKED QUEUE VERIFICATION ROUTINE.
572	(23C)	ADDRESS	4	SVTCASTE	VIRTUAL ADDRESS OF THE BLOCK OF CADS ASTES. INITIALIZED BY IEAVNP09.
576	(240)	ADDRESS	4	SVTGSCH9	"V(IEAVESC9)" ADDRESS OF GLOBAL SCHEDULE WITH STOKEN ENTRY POINT FOR ENABLED CALLERS.
580	(244)	ADDRESS	4	SVTGSCHA	"V(IEAVESCA)" ADDRESS OF GLOBAL SCHEDULE WITH STOKEN ENTRY POINT FOR DISABLED CALLERS.
584	(248)	ADDRESS	4	SVTLSCHB	"V(IEAVESCB)" ADDRESS OF LOCAL SCHEDULE WITH STOKEN ENTRY POINT FOR ENABLED CALLERS.
588	(24C)	ADDRESS	4	SVTLSCHC	"V(IEAVESCC)" ADDRESS OF LOCAL SCHEDULE WITH STOKEN ENTRY POINT FOR DISABLED CALLERS.
592	(250)	ADDRESS	4	SVTQV6	"V(IEAVEQV6)" ADDRESS OF THE SINGLE SPACE SINGLE LINKED QUEUE VERIFICATION ROUTINE.
596	(254)	ADDRESS	4	SVTESCD	"V(IEAVESCD)" ADDRESS OF IEAVESCD, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (ENABLED GLOBAL).
600	(258)	ADDRESS	4	SVTESCE	"V(IEAVESCE)" ADDRESS OF IEAVESCE, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (DISABLED GLOBAL).
604	(25C)	ADDRESS	4	SVTESCF	"V(IEAVESCF)" ADDRESS OF IEAVESCF, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (ENABLED LOCAL).
608	(260)	ADDRESS	4	SVTESCG	"V(IEAVESCG)" ADDRESS OF IEAVESCG, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (DISABLED LOCAL).
612	(264)	ADDRESS	4	SVTCPUF	"V(IEAVCPUF)" - ADDRESS OF IEAMCPUF SERVICE ROUTINE (IEAVCPUF). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
616	(268)	ADDRESS	4	SVTERMF	"V(IEAVERMF)" - ADDRESS OF IEAMRMF3 SERVICE ROUTINE (IEAVERMF). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
620	(26C)	ADDRESS	4	SVTEFCN	"V(IEAVEFCN)" - ADDRESS OF IEAMFCNT SERVICE ROUTINE (IEAVEFCN). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
624	(270)	ADDRESS	4	SVTTWRM	"V(IEAVTWRM)" - ADDRESS OF THE TAWQ WEB ADDRESS SPACE RESOURCE MANAGER ROUTINE (IEAVTWRM). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
628	(274)	ADDRESS	4	SVTCPTM	Count down timer start value 4096 for bit 51, 4K mics = 4 ms
632	(278)	ADDRESS	4	SVTTODDL	TOD time to check for SIGP
636	(27C)	SIGNED	4	SVTZ1	
640	(280)	DBL WORD	8	(0)	Align to double word boundary 13
640	(280)	DBL WORD	8	SVT_ENTITLE_OVERRUN_LIMIT	
		1... ..		SVT_ENTITLE_OVERRUN	"X'80" 17
648	(288)	BITSTRING	16	SVT_ACCUM_ENTITLE_CR_EARNED	An array, each entry is 8 bytes, for a total of 2 entries
664	(298)	BITSTRING	48	SVTR298	Reserved, do not use
712	(2C8)	DBL WORD	8	SVT_ENTITLE_OVERRUN_LIMIT_COUNT	
720	(2D0)	BITSTRING	48		
768	(300)	BITSTRING	72	SVTR2FC	
840	(348)	ADDRESS	4	SVTC9ST1	ADDRESS OF CMSET SET ROUTINE.
844	(34C)	ADDRESS	4	SVTC9ST2	Address of CMSET SET, DIE=YES
848	(350)	ADDRESS	4	SVTC9RT1	ADDRESS OF CMSET RESET, CHKAUTH=YES ROUTINE.
852	(354)	ADDRESS	4	SVTC9RT2	ADDRESS OF CMSET RESET,
856	(358)	ADDRESS	4	SVTC9RT3	Address of CMSET RESET, CHKAUTH=YES, DIE=YES routine.
860	(35C)	ADDRESS	4	SVTC9RT4	Address of CMSET RESET, CHKAUTH=NO ROUTINE.
864	(360)	ADDRESS	4	SVTC9STR	ADDRESS OF CMSET SSARTO ROUTINE.
868	(364)	ADDRESS	4	SVTC9SBR	ADDRESS OF CMSET SSARBACK CHKAUTH=NO, DIE=YES routine.
872	(368)	ADDRESS	4	SVTASWUQ	Special processor SWUQ header
876	(36C)	ADDRESS	4	SVTSWUQA	SVTSWUQ or SVTASWUQ The latter only if there are special processors configured.
880	(370)	BITSTRING	1	SVTIFAFIAGS	Processor Flags - not just IFAs
		1... ..		SVT_DISP_IFACROSSOVEROK	"X'80"
		.1.. ..		SVT_IFASWITCHIMMEDIATE	"X'40"
		..1.		SVT_IFAINCONFIGURATION	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1.		SVT_BYLPAR_IFAINCONFIGURATION	"X'20"
		.1.		SVT_BYLPAR_ZAAPINCONFIGURATION	"X'20" "X'20" zAAPs are installed or could be installed by dynamic CPU addition. Could be online or offline.
		...1		SVT_DISP_IFACROSSOVERHP	"X'10"
		.... 1...		SVT_CPUPROJECTION	"X'08" Project the CPU usage for both IFAs and SUPs
		.... .1..		SVT_SUPINCONFIGURATION	"X'04" zIIPs are installed or could be installed by dynamic CPU addition. The zIIPs could be online or offline.
		.... .1..		SVT_BYLPAR_SUPINCONFIGURATION	"X'04" zIIPs are installed or could be installed by dynamic CPU addition. The zIIPs could be online or offline.
		.... .1..		SVT_BYLPAR_ZIIPINCONFIGURATION	"X'04" zIIPs are installed or could be installed by dynamic CPU addition. The zIIPs could be online or offline.
		.... ..1.		SVT_DISP_SUPHONORPRIORITY	"X'02" Honor Priority is enabled for SUPs
		.... ...1		SVTIFAFLAGS_RSVD	"X'01" Reserved, do not use
881	(371)	BITSTRING	1	SVTR371	Reserved
882	(372)	BITSTRING	1	SVTHDFLAGS1	Flags for HD related information SERIALIZATION - CS. (0)
882	(372)	BITSTRING	1	SVTVCMLFLAGS	Flags for HD related information SERIALIZATION - CS.
		1...		SVTVCMBEENACTIVATED	"X'80" On when HD transition has occurred
		.1.		SVTVCMACRUNPARK	"X'40" On when IEAVTACR is unparking processors as a result of ACR running.
		.1.		SVTVCMEGRFORCENONAFF	"X'20" When on IEAVEGR must rebuild for non-affinity mode. IEAVEGR assumes this is set only by IEAVMPWQ
		...1		SVTVCMINDEGRADEDSTATE	"X'10" When on, HD is running in a degraded state because WLM passed a MPWQ parameter list with only discretionary CPs. This is a transient condition until the next topology change occurs.
		.... 1...		SVTHDINTRANSITION	"X'08" When on, the system is switching from HiperDispatch=YESINO to HiperDispatch=NOIYES.
		.... .1..		SVT_HDNOCPUOVERRIDE	"X'04"
		.... ..1.		SVTHDFLAGS_RSVD	"X'02" Reserved - do not use
		.... ...1		SVT_WARNINGTRACKREG	"X'01" System has successfully registered for warning track interrupts
883	(373)	BITSTRING	1	SVT_ZIIPZAAP_FLAGS	More zIIP/zAAP Flags Serialization: CS Owner: Supervisor
		1...		SVT_BYLPAR_ZIIP_NOWINSTALLED	"X'80" There currently is at least one zIIP installed. It need not be online. This bit may change from "off" to "on" during the life of the IPL
		.1.		SVT_BYLPAR_ZAAP_NOWINSTALLED	"X'40" There currently is at least one zAAP installed. It need not be online. This bit may change from "off" to "on" during the life of the IPL
		.1.		SVT_ZAAP_ON_ZIIP	"X'20" When 1, zAAPzIIP=YES was specified or defaulted via IEASYSxx and is still in effect
		...1		SVT_PROCTYPE2OR5NOWINSTALLED	"X'10" Encountered a processor type of 2 (zAAP) or 5 (zIIP) within the recognized processor info
		.... 1...		SVT_ZZ_OFF_ZAAP_ON_MACHINE	"X'08" Same as next equate
		.... 1...		SVT_ZZ_OFF_TOO_MANY_MACHINE_ZZS	"X'08" When 1, zAAP on zIIP was deactivated since there are more zAAPs+zIIPs than CPs on the machine
		.... .1..		SVT_ZZ_OFF_INFO_UNAVAIL	"X'04" When 1, zAAP on zIIP was deactivated since this LPAR is not allowed to get machine-wide information
		.... ..1.		SVT_ZZ_OFF_NO_ZIIPS	"X'02" When 1, zAAP on zIIP was deactivated since there are no zIIPs and dynamic CPU addition is not enabled so that no zIIPs can be added after IPL
884	(374)	SIGNED	2	SVT_DEFERSWITCHFROM_PCT_LIM	No deferral if use of zAAP exceeds this percent

SVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
886	(376)	CHARACTER	6	(0)	Fields for 'too many SRBs'
886	(376)	SIGNED	2	SVTPROMOTETRIGGER	When this many WEBs with the same 3-byte priority and same WebPriorityID have been skipped, consider promoting this WEB.
888	(378)	SIGNED	2	SVTTURNONPROMOTIONTRIGGER	When this many WEBs with the same 3-byte priority and same WebPriorityID have been skipped, turn on promotion.
890	(37A)	SIGNED	2	SVTINITIALPROMOTIONCOUNT	The number of WEBs to promote when turning on promotion.
892	(37C)	ADDRESS	4	SVT_IEAVIFAP	"V(IEAVSVTI)"
896	(380)	BITSTRING	1	SVT_PRIORITY_RANGES	(3) Priority range end for high, medium, and low priorities Owner: SRM
899	(383)	BITSTRING	1	SVT_TRICKLE_PRIORITY	Trickle Promotion priority Owner: SRM
900	(384)	BITSTRING	1	SVT_PRIORITY_INDEXES	(4) Round robin priority based indexes for supervisor work assignment
904	(388)	SIGNED	4	SVT_GENERIC_HELP_TOKEN	Token used to indicate that an affinity node needs generic help
908	(38C)	SIGNED	2	SVT_GENERIC_HELP_LIMIT	Help count where generic help should be requested
910	(38E)	SIGNED	2	SVTLOGICALCPUGOINGOFFLINE	The logical CPU id which is going offline while the CPU it represents is on in CSD_CPU_Alive. Once this logical CPU is removed from CSD_CPU_Alive, this value will contain the last logical CPU id which has gone offline. Serialization: SYSZVARY.CPU ENQ and dispatcher lock.
912	(390)	SIGNED	4	SVTHELP_SUP	SUP Help count - updated in IEAVEJST
916	(394)	SIGNED	4	SVTHELP_SUPQ	SUP Need help - queue length
920	(398)	ADDRESS	4	SVT_SUPAWMT_COUNT_TIMER	
Comment					
AWMT Count Down Timer for SUP Analog of SVTCPTM OWNERSHIP: SRM					
End of Comment					
924	(39C)	ADDRESS	4	SVT_SUPAWMT_ELAPSED_TIMER	
Comment					
AWMT Elapsed Timer for SUP Analog of SVTTODDL OWNERSHIP: SRM					
End of Comment					
928	(3A0)	ADDRESS	4	SVTSWUQS	SVTSWUQ or SVTSSWUQ The latter only if there are SUP processors configured.
932	(3A4)	ADDRESS	4	SVTSSWUQ	SUP System WUQ (SWUQ) header address. INITIALIZED: IEAVINIT SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control
936	(3A8)	ADDRESS	4	SVT_IFAAWMT_COUNT_TIMER	
Comment					
AWMT Count Down Timer for IFA Analog of SVTCPTM OWNERSHIP: SRM					
End of Comment					
940	(3AC)	ADDRESS	4	SVT_IFAAWMT_ELAPSED_TIMER	
Comment					
AWMT Count Down Timer for IFA Analog of SVTTODDL OWNERSHIP: SRM					
End of Comment					
944	(3B0)	BITSTRING	6	SVTR3B0	
950	(3B6)	BITSTRING	1	SVTMFLGS	Miscellaneous flags Serialization: CS
		1... ..		SVTD308	"X'80" DIAGNOSE 308 supported SERIALIZATION: set during NIP
		.1.. ..		SVT_CPUG64_NOWINSTALLED	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		..1.		SVTMFLGS_RSVD	"X'40" CPU id greater than 64 is installed now	
951	(3B7)	BITSTRING	1	SVT_CML_PROMOTION_PRTY	"X'20" Reserved, do not use Priority giving to the WEB with a lower priority when CML promotion occurs. Note there is code that depends on this priority to be Ffx (like IEAVEEXT)	
952	(3B8)	BITSTRING	8	SVT_BASE_PERCENT_CALC_TIME		
Comment						
Base time used to calculate the percentage values OWNERSHIP: SRM						
End of Comment						
960	(3C0)	BITSTRING	4	SVT_TRICKLE_TIME	Low 32 bits of 64-bit STCK-format time to be given to a trickled work unit	
964	(3C4)	SIGNED	2	SVT_TINY_ND_CPUS_SHORT_MINOR	The length of a short minor timeslice in mics for a processor class with a tiny number of non-discretionary CPUs OWNERSHIP: SRM Serialization: None	
966	(3C6)	SIGNED	2	SVT_NOT_TINY_ND_CPUS_SHORT_MINOR	The length of a short minor timeslice in mics for a processor class without a tiny number of non-discretionary CPUs OWNERSHIP: SRM Serialization: None	
968	(3C8)	DBL WORD	8	SVT_ACCUM_ENTITLE_EARNED_REDEPOSITED		
976	(3D0)	BITSTRING	16	SVT_ACCUM_ENTITLE_VALUES	(0)	
976	(3D0)	DBL WORD	8	SVT_ACCUM_ENTITLE_EARNED		
984	(3D8)	DBL WORD	8	SVT_ACCUM_ENTITLE_CONSUMED		
992	(3E0)	BITSTRING	16	SVT_ACCUM_ENTITLE_BASE_VALUES	(0)	
Comment						
The following two fields must be contiguous on a quadword boundary						
End of Comment						
992	(3E0)	DBL WORD	8	SVT_ACCUM_ENTITLE_EARNED_BASE		
1000	(3E8)	DBL WORD	8	SVT_ACCUM_ENTITLE_CONSUMED_BASE		
1008	(3F0)	SIGNED	4	SVT_ENTITLEMENT_PERCENT		
1008	(3F0)	X'3F3'	0	SVT_ENTITLEMENT_PERCENT_BYTE3	"SVT_Entitlement_Percent+3"	
1012	(3F4)	ADDRESS	4	SVT_ENTITLEMENT_WITHDRAWAL		
1016	(3F8)	ADDRESS	4	SVT_ENTITLEMENT_SUFF_JOIN_HELP	withdrawal amount for a zIIP to start helping	
1020	(3FC)	ADDRESS	4	SVT_ENTITLEMENT_SUFF_WAKEUP	withdrawal amount to wake up a zIIP to start helping	
1024	(400)	BITSTRING	256	SVT_ROBLOCK_400	(0)	
1024	(400)	BITSTRING	4	SVTCR_WORD (0)	Primarily readonly block Serialization: Compare and Swap	
1024	(400)	BITSTRING	1	SVTCR		
1025	(401)	BITSTRING	2	SVTR401		
1027	(403)	BITSTRING	1	SVTCR_MISC		
		1...		SVTHDCPR	"X'80"	
		.1..		SVTLGACT	"X'40"	
1028	(404)	BITSTRING	2	SVT_RELUCTANT_HELP_START	The initial countdown value for when a CPU is reluctantly helping another CPU	
1030	(406)	BITSTRING	1	SVTCR_FLAGS	Serialization: CS	
		1...		SVTCR_FLAGS_TEMPPRIWUQHPWUQ	"X'80" Indicates the system was forced to use a primary WUQ of the HPWUQ temporarily	
1031	(407)	BITSTRING	1	SVTHDFLAGS2	HiperDispatch flags byte 2 Serialization: CS	
		1...		SVT_SRBENCLAVERQM	"X'80" Enclave SRB ready queue management (RQM) must be done when the system is in HD=YES.	
		.1..		SVT_ISORWASSRBENCLAVERQM	"X'40" Enclave SRB ready queue management (RQM) was done at some point during the life of the system.	
		..1.		SVTEGRNOACTIVEHWDWUQS	"X'20" When on, global recovery had to rebuild the WUQs for HD=Y, but found no active HD=Y WUQs to queue work	
		...1		SVTEGRNOACTIVEHWDWUQSDUMPED		

SVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
1032	(408)	ADDRESS	4	SVT_WUQH_WEE_HEADER	"X'10" When on, indicate IEAVEGR recorded and taken a dump for SvtEgrNoActiveHdWUQs
1036	(40C)	ADDRESS	4	SVTCPUD	First WEE in WUQH WEE pool. Used for verifying the queue in global recovery.
1040	(410)	ADDRESS	4	SVT_WAITING_PROCESSOR_MASK_ADDR	Pointer to CPU Dependent Area
1044	(414)	ADDRESS	4	SVT_CPUS_CAUSING_SPIN_ADDR	Address of Waiting Processor bit mask. Each bit position corresponds to a CPU address. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid. OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - COMPARE AND SWAP on the bitmask.
1048	(418)	BITSTRING	4	SVTR418_DNR	Address to an array where each entry is the logical ID of the CPU causing causing excessive spin for that CPU entry. The number of entries in the array is (CVTMAXMP+1), or 1 entry for each CPU. Each entry is 2 bytes. OWNERSHIP - RECONFIGURATION. SERIALIZATION - DISABLEMENT.
1052	(41C)	ADDRESS	4	SVT_SHORT_WAIT_CPUPA_ADDR	Was SVTWAS_Addr which was an address to an array, each entry being 1 byte where the value is either '00'x or 'FF'x. 'FF'x means there is a pending SIGP memory switch for that CPU entry. The number of entries in the array is (CVTMAXMP+1), or 1 entry for each CPU. Designed to cause abend for anyone referencing this pointer. Do not reuse.
1056	(420)	SIGNED	2	SVT_ZAAPMAXQL	Address to an array where each entry is the physical ID of the last standard CP to wait with a short slice in a 64 bit CPU block. There are only 2 entries in this array and each entry is 2 bytes.
1058	(422)	SIGNED	2	SVT_ZAAPMINHL	The maximum number of WEBs 1 zAAP can dispatch in a timely fashion. Serialization: NONE Ownership: Supervisor/SRM
1060	(424)	SIGNED	2	SVT_ZIIPMAXQL	When a zAAP chooses another CPU for help, the minimum number of dispatches which will be done for help. Serialization: NONE Ownership: Supervisor/SRM
1062	(426)	SIGNED	2	SVT_ZIIPMINHL	The maximum number of WEBs 1 zIIP can dispatch in a timely fashion. Serialization: NONE Ownership: Supervisor/SRM
1064	(428)	BITSTRING	5	SVT_SUPERSLICE (0)	When a zIIP chooses another CPU for help, the minimum number of dispatches which will be done for help. Serialization: NONE Ownership: Supervisor/SRM
1064	(428)	BITSTRING	2	SVT_SUPERSLICE_QUALIFIER_LOW	Super slice block
1066	(42A)	BITSTRING	2	SVT_SUPERSLICE_QUALIFIER_HIGH	Low bound priority that qualifies for a super slice, inclusive. Serialization: NONE Ownership: SRM
1068	(42C)	BITSTRING	1	SVT_SUPERSLICE_EXTRAMAJORS	High bound priority that qualifies for a super slice, inclusive. Serialization: NONE Ownership: SRM
1069	(42D)	BITSTRING	3	SVTR42D	The number of major time slices that make up a super slice Serialization: NONE Ownership: SRM
1072	(430)	BITSTRING	8	SVTDIAG2	Reserved
1080	(438)	ADDRESS	4	SVT_PERFINSTSP_ADDR	Diagnostic data. This field is for IBM use only
1084	(43C)	SIGNED	4	SVT_HD_LTOD_HI_NODE_SIGP_GOV	Pointer to PerfInst_Sp in macro IHAPERFI. IEAVESLI is in IEAVESLA. Serialization: NONE Ownership: Supervisor
1084	(43C)	X'2'	0	SVT_SIGP_GOV_REACTIVE_SHIFT	When non-zero and the system is in HD=YES, this value is a low order TOD that indicates how much time must pass between SIGPs for CPs in the same affinity node. SVT_HD_LTOD_Hi_Node_Sigp_Gov is a percentage of SVTCPTM (can be greater than 100%). For zAAPs/zIIPs, the governor is calculated by applying the percent to SVT_IFAAWMT_COUNT_TIMER / SVT_SUPAWMT_COUNT_TIMER
1084	(43C)	X'3'	0	SVT_SIGP_GOV_PROACTIVE_SHIFT	"2" How much to shift SVT_HD_LTOD_Hi_Node_Sigp_Gov and zAAP/zIIP calculated governor for reactive SIGPs
1084	(43C)	X'4'	0	SVT_SIGP_GOV_HPWUQ_SHIFT	"3" How much to shift SVT_HD_LTOD_Hi_Node_Sigp_Gov and zAAP/zIIP calculated governor for proactive SIGPs
1088	(440)	SIGNED	4	SVT_WUQA_RQM_MAJCANSUPPRESS	"4" How much to shift SVT_HD_LTOD_Hi_Node_Sigp_Gov and zAAP/zIIP calculated governor for HPWUQ SIGPs

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
1092	(444)	BITSTRING	4	SVT_WDI_RQM_LTOD_CANSUPPRESS	The number of major task time slices IEAVWUQA will allow a unit of work being affected by RQM to wait for access to CPU. How long a unit of work may wait for access to CPU is determined by wall clock (not execution) time.
1096	(448)	SIGNED	4	SVT_MAJORTIMESLICE	The low order word of a TOD that indicates how long IEAVEWDI will allow a unit of work being affected by RQM to wait for access to CPU.
1100	(44C)	ADDRESS	4	SVTRNALD	The low 32 bits of a 64-bit STCK format time which represents the length of a major task time slice
1104	(450)	ADDRESS	4	SVTRNALV	Really Null Access List real address and length. Bits 0-25 with 6 zeroes appended on the right form the address. Bits 26-31 represent the number of 128-byte access lists minus one
1108	(454)	BITSTRING	3	SVT_HDANSMPERBYPROCCLASSAREA	Really Null Access List virtual addr
1111	(457)	BITSTRING	1	SVTR457	The percent of non-discretionary CP/zAAP/zIIP per affinity node that must be assigned a short minor
1112	(458)	BITSTRING	10	SVT_DIAG458	Reserved (primarily readonly)
1122	(462)	BITSTRING	12	SVT_DIAG462	Diagnostic data for IBM use only
1134	(46E)	BITSTRING	2	SVTR46E	Diagnostic data for IBM use only
1136	(470)	BITSTRING	8	SVT_DIAG470	Reserved (primarily readonly)
1144	(478)	DBL WORD	8	SVTCANCAPTINSTRCTRSTCK	Diagnostic data for IBM use only
1152	(480)	BITSTRING	4	SVTINSTRFLGS	The STCK time of when the SvtCanCaptInstrCtr bit was last turned on
		1... ..		SVTCANCAPTINSTRCTR	Instruction Count related flags Serialization: CS
		.1.. ..		SVTCAPTINSTRCTR	"X'80" The instruction count can be successfully extracted
1156	(484)	BITSTRING	8	SVT_DIAG484	"X'40" The installation wants to collect instruction counts
1164	(48C)	BITSTRING	12	SVTR48C	Diagnostic data for IBM use only
1176	(498)	DBL WORD	8	SVTCAPTINSTRCTRSTCK	Reserved (primarily readonly)
1184	(4A0)	BITSTRING	96	SVTR4A0	The STCK time of when the SvtCaptInstrCtr bit was last turned on
1280	(500)	BITSTRING	256	SVT_RWBLOCK_500	Reserved (primarily readonly)
				(0)	read-write block
1280	(500)	BITSTRING	128	SVT_DIAG500	Diagnostic data. This field is for IBM use only
1408	(580)	BITSTRING	8	SVTSRBIDSEQ#	System-wide wrapping counter used to create an SrbldToken SERIALIZATION: CSG OWNERSHIP: Supervisor Control
1416	(588)	BITSTRING	120	SVTR588	Reserved (read-write)
1536	(600)	DBL WORD	8	SVTEND (0)	END OF SVT.

SVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVT	0		SVT_BYLPAR_ZAAP_NOWINSTALLED	373	40
SVT_ACCUM_ENTITLE_BASE_VALUES	3E0		SVT_BYLPAR_ZAAPINCONFIGURATION	370	20
SVT_ACCUM_ENTITLE_CONSUMED	3D8	0	SVT_BYLPAR_ZIIP_NOWINSTALLED	373	80
SVT_ACCUM_ENTITLE_CONSUMED_BASE	3E8	0	SVT_BYLPAR_ZIIPINCONFIGURATION	370	4
SVT_ACCUM_ENTITLE_CR_EARNED	288	0	SVT_CML_PROMOTION_PRTY	3B7	FF
SVT_ACCUM_ENTITLE_EARNED	3D0	0	SVT_CPUG64_NOWINSTALLED	3B6	40
SVT_ACCUM_ENTITLE_EARNED_BASE	3E0	0	SVT_CPUPROJECTION	370	8
SVT_ACCUM_ENTITLE_EARNED_REDEPOSITED	3C8	0	SVT_CPUS_CAUSING_SPIN_ADDR	414	
SVT_ACCUM_ENTITLE_VALUES	3D0		SVT_CRITICALPAGING	118	4
SVT_ASWUQ_HELP_LIMIT_PRTY	144		SVT_DEFERSWITCHFROM_PCT_LIM	374	4B
SVT_AWUQ_HELP_LIMIT_PRTY	144		SVT_DIAG458	458	0
SVT_BASE_PERCENT_CALC_TIME	3B8	0	SVT_DIAG462	462	0
SVT_BYLPAR_IFAINCONFIGURATION	370	20	SVT_DIAG470	470	0
SVT_BYLPAR_SUPINCONFIGURATION	370	4	SVT_DIAG484	484	100010
			SVT_DIAG500	500	0
			SVT_DISP_IFACROSSOVERHP	370	10

SVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVT_DISP_IFACROSSOVEROK	370	80	SVT_SIGP_GOV_HPWUQ_SHIFT	76	30
SVT_DISP_SUPHONORPRIORITY	370	2	SVT_SIGP_GOV_PROACTIVE_SHIFT	43C	4
SVT_ENTITLE_OVERRUN	280	80	SVT_SIGP_GOV_REACTIVE_SHIFT	43C	3
SVT_ENTITLE_OVERRUN_LIMIT	280	0	SVT_SRBENCLAVERQM	43C	2
SVT_ENTITLE_OVERRUN_LIMIT_COUNT	2C8	0	SVT_SUP_NORMALIZATION	407	80
SVT_ENTITLEMENT_PERCENT	3F0	0	SVT_SUP_NORMALIZATION_SHIFT	1A0	100
SVT_ENTITLEMENT_PERCENT_BYTE3	3F0	3F3	SVT_SUP_NORMALIZATION_SHIFT	1A0	8
SVT_ENTITLEMENT_SUFF_JOIN_HELP	3F8		SVT_SUPAWMT_COUNT_TIMER	398	
SVT_ENTITLEMENT_SUFF_WAKEUP	3FC		SVT_SUPAWMT_ELAPSED_TIMER	39C	
SVT_ENTITLEMENT_WITHDRAWAL	3F4		SVT_SUPERSLICE	428	
SVT_GENERIC_HELP_LIMIT	38C	1	SVT_SUPERSLICE_EXTRAMAJORS	42C	40
SVT_GENERIC_HELP_TOKEN	388	0	SVT_SUPERSLICE_QUALIFIER_HIGH	42A	C0
SVT_HD_LTOD_HI_NODE_SIGP_GOV	43C	0	SVT_SUPERSLICE_QUALIFIER_LOW	428	C0
SVT_HDANSMPERBYPROCCLASSAREA	454	141414	SVT_SUPINCONFIGURATION	370	4
SVT_HDNOCPUOVERRIDE	372	4	SVT_TINY_ND_CPUS_SHORT_MINOR	3C4	96
SVT_HYPERSWAP_IN_PROGRESS	118	2	SVT_TRICKLE_PRIORITY	383	0
SVT_IEAVIFAP	37C		SVT_TRICKLE_TIME	3C0	0
SVT_IFA_NORMALIZATION	19C	100	SVT_WAITING_PROCESSOR_MASK_ADDR	410	
SVT_IFA_NORMALIZATION_SHIFT	1A0	8	SVT_WARNINGTRACKREG	372	1
SVT_IFAAWMT_COUNT_TIMER	3A8		SVT_WDI_RQM_LTOD_CANSUPPRESS	444	3D090000
SVT_IFAAWMT_ELAPSED_TIMER	3AC		SVT_WUQA_RQM_MAJCANSUPPRESS	440	23
SVT_IFAINCONFIGURATION	370	20	SVT_WUQH_WEE_HEADER	408	
SVT_IFASWITCHIMMEDIATE	370	40	SVT_ZAAP_NORMALIZATION_DIVIDE	1A0	100
SVT_ISORWASSRBENCLAVERQM	407	40	SVT_ZAAP_ON_ZIIP	373	20
SVT_MAJORSHDYESLOCKPROMOTE	76	3	SVT_ZAAPMAXQL	420	7
SVT_MAJORTIMESLICE	448		SVT_ZAAPMINHL	422	7
SVT_NORMALIZATION_SHIFT	1A0	8	SVT_ZIIPMAXQL	424	7
SVT_NOT_TINY_ND_CPUS_SHORT_MINOR	3C6	32	SVT_ZIIPMINHL	426	7
SVT_PERFINSTSP_ADDR	438		SVT_ZIIPZAAP_FLAGS	373	0
SVT_PRIORITY_INDEXES	384	0	SVT_ZZ_OFF_INFO_UNAVAIL	373	4
SVT_PRIORITY_RANGES	380	0	SVT_ZZ_OFF_NO_ZIIPS	373	2
SVT_PROCTYPE2OR5NOWINSTALLED	373	10	SVT_ZZ_OFF_TOO_MANY_MACHINE_ZZS	373	8
SVT_RELUCTANT_HELP_START	404	3	SVT_ZZ_OFF_ZAAP_ON_MACHINE	373	8
SVT_ROBLOCK_400	400		SVTACHA	1E	10
SVT_RWBLOCK_500	500		SVTACTR	88	
SVT_SHORT_WAIT_CPUPA_ADDR	41C		SVTAFFOB	D4	
SVT_SHORTMINHDYESLOCKPROMAX	76	FF	SVTAFFON	C	80
SVT_SHORTMINHDYESLOCKPROMOTE			SVTAFFST	D0	
			SVTAFTR	120	0
			SVTAFTV	124	0
			SVTAPCP	70	4
			SVTASECT	218	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVTASWUQ	368		SVTEMRQ	220	
SVTATTA	1F	20	SVTEND	600	
SVTAWM	113	1	SVTERMF	268	
SVTAWUQ	C		SVTESCD	254	
SVTAWUQE	118	10	SVTESCE	258	
SVTBBR	A0		SVTESCF	25C	
SVTBEST@	15C		SVTESCG	260	
SVTCANCAPTINSTRCTR			SVTEXP3	21C	
	480	80	SVTFW1	118	
SVTCANCAPTINSTRCTRSTCK			SVTGALPS	1D4	0
	478	0	SVTGLAL	1D0	
SVTCAPTINSTRCTR			SVTGLALP	1D0	
	480	40	SVTGLPMX	1D8	C00
SVTCAPTINSTRCTRSTCK			SVTGSCHA	244	
	498	0	SVTGSCH1	4	
SVTCASTE	23C		SVTGSCH2	8	
SVTCBLS	198		SVTGSCH9	240	
SVTCBVE	1E	1	SVTGSMQ	20	0
SVTCDSPD	C4		SVTGSPPH	98	
SVTCDSPE	C0		SVTGSPL	24	FFFFFFF
SVTCHAP	1F	4	SVTGSRB	20	
SVTCHKWP	110	80	SVTHDCPR	403	80
SVTCMCKM	A8	80000000	SVTHDFLAGS_RSVD		
SVTCMRT1	B0			372	2
SVTCMRT2	B4		SVTHDFLAGS1	372	
SVTCMRT3	188		SVTHDFLAGS2	407	0
SVTCMRT4	18C		SVTHDINTRANSITION		
SVTCMSBR	BC			372	8
SVTCMSTR	B8		SVTHELP_SUP	390	0
SVTCMST1	AC		SVTHELP_SUPQ	394	0
SVTCMST2	158		SVTHPWUQ	154	
SVTCPORN	118	8	SVTIFA	144	
SVTCPTM	274		SVTIFAFLAGS	370	82
SVTCPUD	40C		SVTIFAFLAGS_RSVD		
SVTCPUF	264			370	1
SVTCR	400	0	SVTINIT	1E4	
SVTCR_FLAGS	406	0	SVTINITIALPROMOTIONCOUNT		
SVTCR_FLAGS_TEMPRIWUQHPWUQ				37A	C8
	406	80	SVTINSTRFLGS	480	0
SVTCR_MISC	403	0	SVTINVOKEGRONSPIN		
SVTCR_WORD	400			77	80
SVTCRSCR	78		SVTISECG	14C	
SVTCS1	118	0	SVTISECL	150	
SVTC9RT1	350		SVTISECR	8C	
SVTC9RT2	354		SVTISECT	0	
SVTC9RT3	358		SVTISSAT	12C	
SVTC9RT4	35C		SVTJSTEQ	18	0
SVTC9SBR	364		SVTLASCB	A4	
SVTC9STR	360		SVTLEIGA	1CC	FFBAD000
SVTC9ST1	348		SVTLGACT	403	40
SVTC9ST2	34C		SVTLOGICALCPUGOINGOFFLINE		
SVTDETA	1F	40		38E	0
SVTDFLT	1C	40	SVTLSCHB	248	
SVTDIAG2	430	0	SVTLSCHC	24C	
SVTDSBCM	110	FFFFFF	SVTLSCO	224	
SVTDSBCT	110		SVTLSGO	1B8	
SVTDSG1	1F	80	SVTLSGR	1BC	
SVTDSG2	1E	80	SVTLSIO	1C4	
SVTDSG3	1D	80	SVTL SIR	1C8	
SVTDSG4	1C	80	SVTL SLC	228	
SVTDSPC	11C		SVTL SLO	1B0	
SVTDSREQ	1C		SVTL SLR	1B4	
SVTDS0E1	204		SVTL SMQ	28	0
SVTDS0E2	208		SVTMAXQL	72	7
SVTDS0E3	20C		SVTMCADS	9C	32
SVTDS0E4	210		SVTMCBCT	114	7FFF0003
SVTDS0E5	214		SVTMDLQ	138	0
SVTD308	3B6	80	SVTMEOUT	1F8	0
SVTEFCN	26C		SVTMFLGS	3B6	0
SVTEGRNOACTIVEHDWUQS			SVTMFLGS_RSVD		
	407	20		3B6	20
SVTEGRNOACTIVEHDWUQSDUMPED			SVTMINHL	74	7
	407	10	SVTMINI	1E	2
SVTEGRT	77	0	SVTMPALE	9E	0

SVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SVTMPWQA	1C0		SVTTODDL	278	
SVTMTER	1E	4	SVTTURNONPROMOTIONTRIGGER		
SVTNALD	1FC			378	C8
SVTNALV	200		SVTTWRM	270	
SVTNLSDP	230		SVTVCMACRUNPARK		
SVTNLSSD	22C			372	40
SVTNSLX	146	A5	SVTVCMBEENACTIVATED		
SVTOENTY	1EC			372	80
SVTPROMOTETRIGGER			SVTVCMEGRFORCENONAFF		
	376	3		372	20
SVTPURD	1F	1	SVTVCMFLAGS	372	0
SVTQVER	1D	1	SVTVCMINDEGRADEDSTATE		
SVTQV4	234			372	10
SVTQV5	238		SVTWEEF	10	
SVTQV6	250		SVTWPCP	110	40
SVTRCTI	1E	40	SVTWPIFA	110	20
SVTRNALD	44C		SVTWPSCT	80	0
SVTRNALV	450		SVTWTSS	134	0
SVTRSCA	108		SVTXAACR	1E8	
SVTRSCS	14		SVTXAPM1	1DC	
SVTRSTC	194		SVTXAPM2	1E0	
SVTRSUA	104		SVTXASCB	90	0
SVTRSUS	10C		SVTXMCMF	118	20
SVTRTM1	1F	8	SVTXMD	94	0
SVTRTM2	1F	10	SVTXMSOP	118	80
SVTR0F4	F4	0	SVTXMSUP	118	40
SVTR02C	2C	0	SVTZ1	27C	0
SVTR084	84	0			
SVTR119	119	0			
SVTR2FC	300	0			
SVTR298	298	0			
SVTR3B0	3B0	0			
SVTR371	371	0			
SVTR4A0	4A0	0			
SVTR401	401	0			
SVTR418_DNR	418	7FFFFBAD			
SVTR42D	42D	0			
SVTR457	457	0			
SVTR46E	46E	0			
SVTR48C	48C	0			
SVTR588	588	0			
SVTSET1	148				
SVTSLWLN	13C	0			
SVTSRBA	EC	0			
SVTSRBC	F2	0			
SVTSRBE	F0				
SVTSRBF	E0				
SVTSRBG	D8				
SVTSRBIDSEQ#	580				
SVTSRBM	F0	3			
SVTSRBMD	140				
SVTSRBP	E8				
SVTSRBRS	CC				
SVTSRBS	E8	0			
SVTSRBSV	C8				
SVTSRM1	1D	2			
SVTSRQ1	1C	0			
SVTSRQ2	1D	0			
SVTSRQ3	1E	0			
SVTSRQ4	1F	0			
SVTSSEM	128				
SVTSSRBF	E4				
SVTSSRBG	DC				
SVTSSTSV	130	848			
SVTSSWUQ	3A4				
SVTSTAT	1F	2			
SVTSTKN	1F0				
SVTSTKNE	1F4				
SVTSUSC	190				
SVTSVT	100	E2E5E340			
SVTSWUQ	154				
SVTSWUQA	36C				
SVTSWUQS	3A0				
SVTTCBV	1E	20			

SXT Information

SXT Heading Information

Common Name: VSM Cell Pool Secondary Extent
Macro ID: IGVSXT
DSECT Name: SXT
Owning Component: Virtual Storage Manager (SC1CH)
Storage Attributes: Subpool: User supplied
 Key: User supplied
Size: 24 bytes
Created by: IGVCPLD and IGVCPEXT
Pointed to by: SPDSXT
Serialization: LOCAL/CML lock for local cell pools
 VSMPAG for pageable global cell pools
 VSMFIX for fixed global cell pools
Function: Describes the secondary cell pool extent.

SXT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	SXT	
0	(0)	CHARACTER	24	SXTHDR	USER SUPPLIED HEADER
24	(18)	CHARACTER	*	SXTPOOL	POOL CELLS

SYMPQ Information

SYMPQ Heading Information

Common Name: DAE Symptom Queue Element
Macro ID: ADYSYMP
DSECT Name: SYMPQ
Owning Component: DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID: SQ
 Offset: 0
 Length: 2
Storage Attributes: Subpool: 239, 231
 Key: 0
 Residency: ANY ALLOCATION METHOD: CPOOL FREQUENCY: Controlled by RECORDS(nnn) DAE Parameter
Size: LENGTH(SYMPQ)
Created by: ADYTRNS
Pointed to by: DSCSYMP
Serialization: Compare Double & Swap
Function: Maps the record, in main storage, of an error incident which DAE either copied from the DAE data set or constructed following an error incident which met the criteria for minimum symptom data.

SYMPQ Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	216	SYMPQ	SYMPTOM QUEUE ENTRY	
0	(0)	ADDRESS	4	SYMPQNX	PTR-NEXT ENTRY IN SYMPQ	
4	(4)	CHARACTER	2	SYMPID	INDIVIDUAL ACRONYM FOR EACH ELEMENT	
6	(6)	CHARACTER	21	SYMPORIG	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM.	
6	(6)	CHARACTER	10	SYMPERID	ORIGINAL ERROR ID	
6	(6)	UNSIGNED	2	SYMPOSEQ	ERROR ID SEQUENCE NUMBER	
8	(8)	UNSIGNED	2	SYMPOCID	ERROR ID CPU ID	
10	(A)	UNSIGNED	2	SYMPOAS	ERROR ID ADDRESS SPACE ID	
12	(C)	SIGNED	4	SYMPOTIM	ORIGINAL TIME (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT).	
16	(10)	CHARACTER	4	SYMPDAT	ORIGINAL DATE (PACKED DECIMAL JULIAN 00YYDDDF)	
20	(14)	CHARACTER	6	SYMPOCPU	CPUID-ORIGINAL FOUND	
26	(1A)	BITSTRING	1	SYMPOFLG	FLAGS	
		1... ..		SYMPVCD	AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION	
		.1.		SYMPYSYM	A SYSMDUMP CREATED THE ORIGINAL DOCUMENTATION	
		..1.		SYMPTRUM	ORIGINAL SYMPTOM STRING WAS TRUNCATED	
		...1 1111		*	RESERVED	
27	(1B)	CHARACTER	10	SYMPCURR	LAST OCCURRENCE DATA	
27	(1B)	SIGNED	4	SYMPDTIM	TIME - MOST RECENT OCCURRENCE (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT).	
31	(1F)	CHARACTER	4	SYMPDDAT	DATE - MOST RECENT OCCURRENCE (PACKED DECIMAL JULIAN 00YYDDDF)	
35	(23)	SIGNED	2	SYMPDCNT	COUNT- OF OCCURRENCES	
37	(25)	SIGNED	2	SYMPCNT	COUNT-SYMPTOMS IN SYMPQC	
39	(27)	SIGNED	2	SYMPSLN	LENGTH-SYMPTOMS IN SYMPQC PLUS A TRAILING BLANK	
41	(29)	CHARACTER	150	SYMPQC	SYMPTOMS IN MVS LOCAL FMT	
191	(BF)	CHARACTER	1	SYMPFLAG	Flags	
		1... ..		SYMPTKDP	Take the next Dump flag	
		.1.		SYMPRCDA	This entry was added because of RECORDALL	
		..1.		SYMPPART	This entry represents a partial or empty dump - do not suppress	
		...1		SYMPDUM	This entry represents a dummy entry, do not suppress	
192	(C0)	ADDRESS	4	SYMPREQ	Address of EventList	
196	(C4)	CHARACTER	4	*	RESERVED	
200	(C8)	CHARACTER	8	SYMPYSNO	System Name - Original occurrence	
208	(D0)	CHARACTER	8	SYMPYSNL	System Name - Last Occurrence	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	65	SYMPX	Symptom Queue Extension	
0	(0)	CHARACTER	8	SYMPXTIMESTAMP	Time Stamp of Event	
0	(0)	UNSIGNED	4	SYMPXTIMESTAMP	Left fullword	
8	(8)	CHARACTER	13	SYMPXLAST	Data Sent to remote systems	

SYMPQ Constants • SYMPQ Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	CHARACTER	12	SYMPXLAST2	
8	(8)	UNSIGNED	4	SYMPXLASTCOUNT	Count of Events at last notify
12	(C)	CHARACTER	8	SYMPXLASTNOTIFYTIME	Last Notify Time (or 0)
12	(C)	UNSIGNED	4	SYMPXLASTNOTIFYTIMEL	Left Word
20	(14)	CHARACTER 1...	1	SYMPXFLAGS SYMPXNOTIFYFLAG	Indicates NOTIFY just done
21	(15)	CHARACTER	44	SYMPXDATASETNAME	Original Dump Dataset Name

SYMPQ Constants

Len	Type	Value	Name	Description
2	CHARACTER	SQ	SYMPIDV	ACRONYM TO BE FILLED INTO SYMPID WHEN EACH ELEMENT IS CREATED.
4	DECIMAL	239	SYMPQSP	SYMPTOM QUEUE SUBPOOL FOR SVC DUMP ELEMENTS.
4	DECIMAL	231	SYMPQSPSYSM	SYMPTOM QUEUE SUBPOOL FOR SYSMDUMP ELEMENTS.
24	CHARACTER	DAE SYMPTOM QUEU E CELLS	SYMPQCPH	HEADER FOR SYMPTOM QUEUE CELL POOL EXTENTS.

SYMPQ Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SYMPCURR	1B			0	
SYMPDCNT	23		SYMPXTIMESTAMPL		
SYMPDDAT	1F			0	
SYMPDTIM	1B				
SYMPDUM	BF	10			
SYMPERID	6				
SYMPFLAG	BF				
SYMPFREQ	C0				
SYMPID	4				
SYMPOAS	A				
SYMPOCID	8				
SYMPOCPU	14				
SYMPODAT	10				
SYMPOFLG	1A				
SYMPORIG	6				
SYMPOSEQ	6				
SYMPOTIM	C				
SYMPPART	BF	20			
SYMPQ	0				
SYMPQC	29				
SYMPQNXT	0				
SYMPRCDA	BF	40			
SYMPSCNT	25				
SYMPSLN	27				
SYMPSVCD	1A	80			
SYMPSYSM	1A	40			
SYMPSYSNL	D0				
SYMPSYSNO	C8				
SYMPTKDP	BF	80			
SYMPTRUM	1A	20			
SYMPX	0				
SYMPXDATASETNAME					
	15				
SYMPXFLAGS	14				
SYMPXLAST	8				
SYMPXLASTCOUNT					
	8				
SYMPXLASTNOTIFYTIME					
	C				
SYMPXLASTNOTIFYTIMEL					
	C				
SYMPXLAST2	8				
SYMPXNOTIFYFLAG					
	14	80			
SYMPXTIMESTAMP					

S99PARMS Information

S99PARMS Programming Interface information

Programming Interface information

S99PARMS

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

- S99EMSGP

End of Programming Interface information

S99PARMS Heading Information • S99PARMS Map

S99PARMS Heading Information

Common Name: Dynamic Allocation (SVC 99) Parameter List
Macro ID: IEFZB4D0
DSECT Name: S99RB, S99RBP, S99TUPL, S99TUNIT, S99TUFLD, S99RBX
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
 Subpool: User defined
 Key: User's key
 Residency: Any
Size: S99RB: 20 bytes
 S99RBX: 36 bytes
Created by: Callers of dynamic allocation
Pointed to by: Register 1 points to a pointer to this
 parameter list upon entry to SVC 99.
Serialization: None
Function: Input required by dynamic allocation,
 specifically the dynamic allocation control
 routine, IEFDB400.

S99PARMS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99RBP	
0	(0)	SIGNED	4	S99RBPTR	REQUEST BLOCK POINTER
		1... ..		S99RBPND	"X'80" LAST POINTER INDICATOR

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99RB	REQUEST BLOCK
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	1	S99RBLN	LENGTH OF REQUEST BLOCK
1	(1)	CHARACTER	1	S99VERB	VERB CODE
		.... ..1		S99VRBAL	"X'01" ALLOCATION
		.... ..1.		S99VRBUN	"X'02" UNALLOCATION
		.... ..11		S99VRBCC	"X'03" CONCATENATION
		.... ..1..		S99VRBDC	"X'04" DECONCATENATION
		.... ..1.1		S99VRBRI	"X'05" REMOVE IN-USE
		.... ..11.		S99VRBDN	"X'06" DDNAME ALLOCATION
		.... ..111		S99VRBIN	"X'07" INFORMATION RETRIEVAL
2	(2)	CHARACTER	2	S99FLAG1 (0)	FLAGS
2	(2)	CHARACTER	1	S99FLG11	FIRST FLAGS BYTE
		1... ..		S99ONCNV	"X'80" ALLOC FUNCTION-DO NOT USE AN EXISTING ALLOCATION THAT DOES NOT HAVE THE CONVERTIBLE ATTRIBUTE TO SATISFY A REQUEST
		..1.		S99NOCNV	"X'40" ALLOC FUNCTION-DO NOT USE AN EXISTING ALLOCATION TO SATISFY THE REQUEST
		..1.		S99NOMNT	"X'20" ALLOC FUNCTION-DO NOT MOUNT VOLUMES OR CONSIDER OFFLINE UNITS (THIS FLAG OVERRIDES S99MOUNT AND S99OFFLN BELOW)
		...1		S99JBSYS	"X'10" ALLOC FUNC-JOB RELATED SYSOUT
		.... 1...		S99CNENQ	"X'08" ALL FUNCTIONS-ISSUE A CONDITIONAL ENQ ON TIOT RESOURCE. IF NOT AVAILABLE, RETURN AN ERROR CODE TO USER.
		.... ..1..		S99GDGNT	"X'04" ALLOC FUNCTION - IGNORE THE GDG NAME TABLE AND PERFORM A LOCATE FOR THE GDG BASE LEVEL.
		.... ..1.		S99MSGLO	"X'02" All functions - ignore the MSGLEVEL parameter in the JCT and use MSGLEVEL=(,0)
		.... ..1		S99NOMIG	"X'01" ALLOC function - do not recall migrated data sets
3	(3)	CHARACTER	1	S99FLG12	SECOND BYTE OF FLAGS
		1... ..		S99NOSYM	"X'80" Allocate, unallocate, info retrieval - do not perform symbolic substitution
		..1.		S99ACUCB	"X'40" Alloc function-use Actual UCB addresses
		..1.		S99DSABA	"X'20" Request that the DSAB for this allocation be placed above the 16MB line.
		...1		S99DXACU	"X'10" Request above-the-line DSABs, XTIOts and actual (uncaptured) UCBs for allocated devices
4	(4)	CHARACTER	4	S99RSC (0)	REASON CODE FIELDS
4	(4)	BITSTRING	2	S99ERROR	ERROR REASON CODE
6	(6)	BITSTRING	2	S99INFO	INFORMATION REASON CODE
8	(8)	SIGNED	4	S99TXTPP	ADDR OF LIST OF TEXT UNIT PTRS
12	(C)	SIGNED	4	S99S99X	ADDR OF REQ BLK EXTENSION
16	(10)	CHARACTER	4	S99FLAG2 (0)	FLAGS FOR AUTHORIZED FUNCTIONS
16	(10)	CHARACTER	1	S99FLG21	FIRST BYTE OF FLAGS
		1... ..		S99WTVOL	"X'80" ALLOC FUNCTION-WAIT FOR VOLUMES

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		S99WTDSN	"X'40" ALLOC FUNCTION-WAIT FOR DSNNAME
		..1.		S99NORES	"X'20" ALLOC FUNCTION-DO NOT DO DATA SET RESERVATION
		...1		S99WTUNT	"X'10" ALLOC FUNCTION-WAIT FOR UNITS
		.... 1...		S99OFFLN	"X'08" ALLOC FUNCTION-CONSIDER OFFLINE UNITS
		.... .1..		S99TIONQ	"X'04" ALL FUNCTIONS-TIOT ENQ ALREADY DONE
		.... ..1.		S99CATLG	"X'02" ALLOC FUNCTION-SET SPECIAL CATALOG DATA SET INDICATORS
		.... ...1		S99MOUNT	"X'01" ALLOC FUNCTION-MAY MOUNT VOLUME
17	(11)	CHARACTER	1	S99FLG22	SECOND BYTE OF FLAGS
		1...		S99UDEVT	"X'80" ALLOCATION FUNCTION-UNIT NAME PARM IS A DEVICE TYPE
		..1.		S99PCINT	"X'40" ALLOC FUNCTION-ALLOC PRIVATE CATALOG TO INITIATOR
		...1		S99DYNDI	"X'20" ALLOC FUNCTION-NO JES3 DSN INTEGRITY PROCESS
		...1		S99TIOEX	"X'10" ALLOC FUNCTION - XTIOI ENTRY REQUESTED (FOR SYSTEM PROGRAM USE ONLY)
		.... 1...		S99ASERR	"X'08" Unit Allocation / Unallocation Service (IEFAB4C1/IEFDB440) - Ignore Coupling Facility READ/WRITE failure when processing RELEASE function for Autoswitchable device (FOR SYSTEM PROGRAM USE ONLY)
		.... .1..		S99IGNCL	"X'04" Alloc function - ignore control limit. THIS FLAG IS FOR SYSTEM PROGRAM USE ONLY.
		.... ..1.		S99DASUP	"X'02" Alloc function - suppress DD-level Accounting in SMF Type 30 (EXCP section) and Type 40 records
18	(12)	CHARACTER	1	S99FLG23	THIRD BYTE OF FLAGS
19	(13)	CHARACTER	1	S99FLG24	FOURTH BYTE OF FLAGS
19	(13)	X'14'	0	S99RBEND	"" END MARKER

Comment

SVC 99 FLAG BIT MASKS

- A '1' DENOTES DEFINED BITS
- USED TO TEST FOR BIT SETTINGS

End of Comment

1111	1111	S99MSK11	"B'11111111" BIT MASK FOR S99FLG11
1111	....	S99MSK12	"B'11110000" BIT MASK FOR S99FLG12
1111	1111	S99MSK21	"B'11111111" BIT MASK FOR S99FLG21
1111	111.	S99MSK22	"B'11111110" BIT MASK FOR S99FLG22
....	....	S99MSK23	"B'00000000" BIT MASK FOR S99FLG23
....	....	S99MSK24	"B'00000000" BIT MASK FOR S99FLG24

Comment

SVC 99 FLAG RESERVED BIT MASKS

- A '1' DENOTES RESERVED BITS
- USED TO TEST FOR INVALID USE OF RESERVED FIELDS

End of Comment

....	....	S99NOT11	"B'00000000" INVERSE BITMASK FOR S99FLG11
....	1111	S99NOT12	"B'00001111" INVERSE BITMASK FOR S99FLG12
....	....	S99NOT21	"B'00000000" INVERSE BITMASK FOR S99FLG21
....	...1	S99NOT22	"B'00000001" INVERSE BITMASK FOR S99FLG22
1111	1111	S99NOT23	"B'11111111" INVERSE BITMASK FOR S99FLG23
1111	1111	S99NOT24	"B'11111111" INVERSE BITMASK FOR S99FLG24

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99TUPL	TEXT UNIT POINTER LIST
0	(0)	SIGNED	4	S99TUPTR	TEXT UNIT POINTER
		1...		S99TUPLN	"X'80" LAST TEXT UNIT POINTER IN LIST

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99TUNIT	TEXT UNIT
0	(0)	BITSTRING	2	S99TUKEY	KEY
2	(2)	BITSTRING	2	S99TUNUM	NO. OF LENGTH+PARAMETER ENTRIES
4	(4)	CHARACTER	1	S99TUENT (0)	ENTRY OF LENGTH+PARAMETER
4	(4)	BITSTRING	2	S99TULNG	LENTH OF 1ST (OR ONLY) PARAMETER
6	(6)	CHARACTER	1	S99TUPAR	1ST (OR ONLY) PARAMETER

S99PARMS Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99TUFLD	
0	(0)	BITSTRING	2	S99TULEN	LENGTH OF PARAMETER
2	(2)	CHARACTER	1	S99TUPRM	PARAMETER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	S99RBX	REQUEST BLOCK EXTENSION
0	(0)	CHARACTER	6	S99EID	CONTROL BLOCK ID = 'S99RBX'
6	(6)	CHARACTER	1	S99EVER	VERSION NUMBER
		.... ..1		S99RBXVVR	"X'01" CURRENT VERSION NUMBER
7	(7)	CHARACTER	1	S99EOPTS	PROCESSING OPTIONS
		1... ..		S99EIMSG	"X'80" ISSUE MSG BEFORE RETURNING TO CALLER
		.1.		S99ERMSG	"X'40" RETURN MSG TO CALLER
		..1.		S99ELSTO	"X'20" USER STORAGE SHOULD BE BELOW 16M BOUNDRY
		...1		S99EMKEY	"X'10" USER SPECIFIED STORAGE KEY FOR MESSAGE BLOCKS
		.... 1..		S99EMSUB	"X'08" USER SPECIFIED SUBPOOL FOR MESSAGE BLOCKS
		.... ..1.		S99EWTP	"X'04" USE WTO FOR MESSAGE OUTPUT
8	(8)	CHARACTER	1	S99ESUBP	SUBPOOL FOR MESSAGE BLOCKS
9	(9)	CHARACTER	1	S99EKEY	STORAGE KEY FOR MESSAGE BLOCKS
10	(A)	CHARACTER	1	S99EMGSV	SEVERITY LEVEL FOR MESSAGES PROCESSING
		.... ....		S99XINFO	"X'00" INFORMATIONAL MSG SEVERITY
		.... ..1.		S99XWARN	"X'04" WARNING MESSAGE SEVERITY
		.... 1..		S99XSEVE	"X'08" SEVERE MESSAGE SEVERITY
11	(B)	CHARACTER	1	S99ENMSG	NUMBER OF MESSAGE BLOCKS RETURNED
12	(C)	SIGNED	4	S99ECPPL	ADDRESS OF CPPL
16	(10)	CHARACTER	4	S99EMRC (0)	MESSAGE SERVICE RETURN CODE
16	(10)	CHARACTER	1	S99ERCR	RESERVED
17	(11)	CHARACTER	1	S99ERCM	RESERVED
18	(12)	CHARACTER	1	S99ERCO	RETURN CODE DEALING WITH MESSAGE OUTPUT
19	(13)	CHARACTER	1	S99ERCF	RETURN CODE DEALING WITH STORAGE FOR MESSAGE BLOCKS
20	(14)	SIGNED	4	S99EWRC	PUTLINE/WTO RETURN CODE
24	(18)	SIGNED	4	S99EMSGP	MESSAGE BLOCK POINTER
28	(1C)	SIGNED	4	S99ESIRC (0)	INFORMATION RETRIEVAL RETURN CODE FOR SJF KEYS
28	(1C)	BITSTRING	2	S99EERR	ERROR REASON CODE
30	(1E)	BITSTRING	2	S99EINFO	INFORMATION REASON CODE
32	(20)	BITSTRING	4	S99ERSN	SMS REASON CODE
32	(20)	X'24'	0	S99RBXLN	**-S99RBX" LENGTH OF DECLARED S99RBX

S99PARMS Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
S99ACUCB	3	40	S99ESIRC	1C	
S99ASERR	11	8	S99ESUBP	8	
S99CATLG	10	2	S99EVER	6	
S99CNENQ	2	8	S99EWRC	14	
S99DASUP	11	2	S99EWTP	7	4
S99DSABA	3	20	S99FLAG1	2	
S99DXACU	3	10	S99FLAG2	10	
S99DYNDI	11	20	S99FLG11	2	
S99ECPPL	C		S99FLG12	3	
S99EERR	1C		S99FLG21	10	
S99EID	0		S99FLG22	11	
S99EIMSG	7	80	S99FLG23	12	
S99EINFO	1E		S99FLG24	13	
S99EKEY	9		S99GDGNT	2	4
S99ELSTO	7	20	S99IGNCL	11	4
S99EMGSV	A		S99INFO	6	
S99EMKEY	7	10	S99JBSYS	2	10
S99EMRC	10		S99MOUNT	10	1
S99EMSGP	18		S99MSGLO	2	2
S99EMSUB	7	8	S99MSK11	13	FF
S99ENMSG	B		S99MSK12	13	F0
S99EOPTS	7		S99MSK21	13	FF
S99ERCF	13		S99MSK22	13	FE
S99ERCM	11		S99MSK23	13	0
S99ERCO	12		S99MSK24	13	0
S99ERCR	10		S99NOCNV	2	40
S99ERMSG	7	40	S99NOMIG	2	1
S99ERROR	4		S99NOMNT	2	20
S99ERSN	20		S99NORES	10	20

Name	Hex Offset	Hex Value
S99NOSYM	3	80
S99NOT11	13	0
S99NOT12	13	F
S99NOT21	13	0
S99NOT22	13	1
S99NOT23	13	FF
S99NOT24	13	FF
S99OFFLN	10	8
S99ONCNV	2	80
S99PCINT	11	40
S99RB	0	
S99RBEND	13	14
S99RBLN	0	
S99RBP	0	
S99RBPND	0	80
S99RBPTR	0	
S99RBX	0	
S99RBXLN	20	24
S99RBXVR	6	1
S99RSC	4	
S99S99X	C	
S99TIOEX	11	10
S99TIONQ	10	4
S99TUENT	4	
S99TUFLD	0	
S99TUKEY	0	
S99TULEN	0	
S99TULNG	4	
S99TUNIT	0	
S99TUNUM	2	
S99TUPAR	6	
S99TUPL	0	
S99TUPLN	0	80
S99TUPRM	2	
S99TUPTR	0	
S99XTTP	8	
S99UDEVT	11	80
S99VERB	1	
S99VRBAL	1	1
S99VRBCC	1	3
S99VRBDC	1	4
S99VRBDN	1	6
S99VRBIN	1	7
S99VRBRI	1	5
S99VRBUN	1	2
S99WTDSN	10	40
S99WTUNT	10	10
S99WTVOL	10	80
S99XINFO	A	0
S99XSEVE	A	8
S99XWARN	A	4

TAXE Information

TAXE Heading Information

Common Name: TERMINAL ATTENTION EXIT ELEMENT
Macro ID: IKJTAXE
DSECT Name: TAXE
Owning Component: Region Control Task (SC1CU)
Storage Attributes: Subpool: 253
 Key: 0
Size: 144 bytes
Created by: IEAVAX00
Pointed to by: RCTDTAXE field of the RCTD data area.
Serialization: Local Lock
Function: This data area consists of an IRB, an IQE, and a work area.
 It maps an entire TAXE with the exception of the RB prefix because of its varying size and since it is not required when referencing the TAXE. The TAXE contains information necessary for scheduling attention exits and is used to queue STAX exit requests.

TAXE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	144	TAXE	
Comment					
STANDARD IRB					
End of Comment					
0	(0)	CHARACTER	96	TAXEIRB	IRB
96	(60)	ADDRESS	4	TAXENIQE	PTR NEXT AVAILABLE IQE
Comment					
STANDARD IQE					
End of Comment					
100	(64)	CHARACTER	44	TAXEWORK	LABEL USED WHEN CLEARING WORK AREA YO2752
100	(64)	ADDRESS	4	TIQELNK	ADDR OF NEXT IQE ON IQE QUEUE YO2752
104	(68)	ADDRESS	4	TIQEPARM	PARM TO ASYNCHRONOUS EXIT ROUTINE YO2752
108	(6C)	ADDRESS	4	TIQEIRB	ADDR OF IRB TO BE SCHED. YO2752
112	(70)	ADDRESS	4	TAXETCB	PTR TO TCB YO2752
Comment					
WORK AREA OF IRB					
End of Comment					
116	(74)	CHARACTER	1	*	ZA17748
117	(75)	ADDRESS	3	TAXELNK	PTR TO NEXT TAXE ON QUE ZA17748
120	(78)	ADDRESS	4	TAXEPARM	PTR TO STAX PARM LIST
120	(78)	ADDRESS	4	TAXESTAX	ADDR OF STAX PARM LIST
124	(7C)	ADDRESS	4	TAXEEXIT	PTR TO USER ATTENTION EXIT ROUTINE YO2752
		1... ..		TAXEEXM	ADDRESSING MODE OF USER EXIT ROUTINE
128	(80)	CHARACTER	4	*	FLAGS
128	(80)	CHARACTER	1	TAXESTAT	STATUS OF PROGRAM ISSUING THE STAX SVC YO2752
		1... ..		TAXEFKEY	STATUS FLAG FOR PROB KEY YO2752
		.1.		TAXEFMOD	STATUS FLAG FOR PROB MODE YO2752
		..1.		TAXEFREQ	STATUS FLAG FOR REQUESTED TAXE YO2752
		...1		TAXERESM	ON-ATTENTION PROLOGUE MUST NOT GO TO USER ATTENTION EXIT YO2752
		.... 1..		TAXESCHD	ON-TAXE HAS BEEN SCHEDULED BUT IS NOT IN USER CODE YO2752
		.... .1..		TAXEATTN	ON-ATTN IN EFFECT FOR CLIST
		.... .1.		TAXECLST	ON- TAXE CAN HANDLE CLIST ATTN EXITS
		.... .1.1		TAXEIGNI	INITIAL TAXE IGNORE STATUS
129	(81)	CHARACTER	1	TAXEST2	SECOND STATUS BYTE
		1... ..		TAXEIGNC	CURRENT TAXE IGNORE STATUS
		.1.		TAXETPLV	ON - THIS IS A TOPLEVL ATTENTION EXIT
		..11 1111		*	RESERVED
130	(82)	CHARACTER	2	*	RESERVED

TAXE Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
132	(84)	ADDRESS	4	TAXETAIE	PTR TO TAIE YO2752
136	(88)	ADDRESS	4	TAXEIBUF	PTR TO USER INPUT BUFFER YO2752
140	(8C)	ADDRESS	4	TAXEUSER	PTR TO USER PARAMETER YO2752
144	(90)	CHARACTER	0	TAXEEND	TAXE WILL BE IN DBL WDS YO2752

TAXE Cross Reference

Name	Hex Offset	Hex Value
TAXE	0	
TAXEATTN	80	04
TAXECLST	80	02
TAXEEND	90	
TAXEEXIT	7C	
TAXEEXM	7C	80
TAXEFKEY	80	80
TAXEFMOD	80	40
TAXEFREQ	80	20
TAXEIBUF	88	
TAXEIGNC	81	80
TAXEIGNI	80	01
TAXEIRB	0	
TAXELNK	75	
TAXENIQE	60	
TAXEPARM	78	
TAXERESM	80	10
TAXESCHD	80	08
TAXESTAT	80	
TAXESTAX	78	
TAXEST2	81	
TAXETAIE	84	
TAXETCB	70	
TAXETPLV	81	40
TAXEUSER	8C	
TAXEWORK	64	
TIQEIRB	6C	
TIQELNK	64	
TIQEPARM	68	

TBVT Information

TBVT Heading Information

Common Name:	System trace buffer vector table and trace buffer
Macro ID:	IHATBVT
DSECT Name:	TBVT, TBUF
Owning Component:	System trace (SC142)
Eye-Catcher ID:	TBVT
	Offset: 0
	Length: 4
Storage Attributes:	Subpool: 245 (created by IEAVNIP0), 255 (created by IEAVETEA)
	Key: 0
	Residency: LOC(ANY)
Size:	72 bytes for the TBVT plus 4096 bytes for the TBUF
Created by:	IEAVNIP0 - NUCLEUS initialization IEAVETEA - System trace environment alteration routine INITIALIZATION = The creator of the TBVT must initialize TBVTID with the acronym 'TBVT' and TBVTBLVL with the constant TBVTLVLN. The creator of the tbuf must initialize TBUFID with the acronym 'TBUF'.
Pointed to by:	TBVT <== PSATBVTR, PSATBVTV, TBVTBWRD, TBVTFWRD, TBVTNXTR, TBVTNXTV, TOBPTBVT TBUF <== TBVTCR12, TBVTBUFV
Serialization:	TBVT The queueing fields are serialized by disablement on the processor, the trace spin lock and the system trace address space local lock, or the trace spin lock and the system trace address space local lock if the processor is not alive (CSDCPUAL). The buffer status fields (TBVTENT1 and fields in TBVTBST) are serialized by disablement on the processor and zeroed tracing control bits in control register 12, or the trace spin lock and the system trace address space local lock if the processor is not alive (CSDCPUAL). TBUF Disablement on the processor and zeroed tracing control bits in control register 12.
Function:	TBVT contains information to maintain accountability of a 4K trace buffer and the TBVT queue. TBUF contains trace table entries (TTES).

TBVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	88	TBVT	TRACE BUFFER VECTOR TABLE.
0	(0)	CHARACTER	4	TBVTID	TBVT EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TBVTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	1	TBVTFLGS	TBVT FLAGS
		1... ..		TBVTMOBJ	MEMORY OBJECT USED FOR THE TBUF ASSOCIATED WITH THIS TBVT
		.1.. ..		TBVTSOBJ	THE TBUF ASSOCIATED WITH THIS TBVT IS AT THE START OF A MEMORY OBJECT
6	(6)	UNSIGNED	2	TBVTPID	PROCESSOR IDENTIFIER.
8	(8)	CHARACTER	8	TBVT12E	TRACE BYTES 0-3
8	(8)	ADDRESS	8	TBVTBUFR	REAL ADDRESS OF 4K BUFFER ASSOCIATED WITH THIS TBVT
8	(8)	BITSTRING	4	TBVT120	BYTES 0-3 OF TRACE
		1... ..		TBVTBRE	ESAME BRANCH TRACE OPTION
		.1.. ..		TBVTMOE	ESAME MODE TRACE OPTION
12	(C)	ADDRESS	4	TBVT121	REAL BUFFER ADDRESS AND TRACE OPTION FLAGS IN CONTROL REGISTER 12 FORMAT.
12	(C)	BITSTRING	3	*	
		1... ..		TBVTBR	BRANCH TRACE OPTION (NOT ESAME). BIT 0
15	(F)	BITSTRING	1	*	
		1111 11..		*	
		.... ..1.		TBVTASD	ASID TRACE OPTION. BIT 30.
		.... ..1		TBVTREXP	EXPLICIT TRACE OPTION. BIT 31.
16	(10)	CHARACTER	8	TBVTFRWD	TBVT FORWARD QUEUE POINTERS.
16	(10)	ADDRESS	4	TBVTNXTR	REAL ADDRESS OF NEXT TBVT.
20	(14)	ADDRESS	4	TBVTNXTV	VIRTUAL ADDRESS OF NEXT TBVT.
24	(18)	ADDRESS	4	TBVTBWRD	VIRTUAL ADDRESS OF PREVIOUS TBVT.
28	(1C)	CHARACTER	4	TBVTBSV1	TBVTBUFV WAS HERE PRIOR TO R10.

TBVT Constants • TBVT Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	CHARACTER	24	TBVTBST	BUFFER STATUS. (COPIED TO TTCHBST AND TFWABST)
32	(20)	CHARACTER	8	TBVTB34	CONTROL REGISTERS 3 AND 4 AT TIME BUFFER BECAME CURRENT.
32	(20)	CHARACTER	2	TBVTBFGS	STATE FLAGS.
32	(20)	CHARACTER	1	TBVTBFG1	STATE FLAGS.
		1...		TBVTPLST	PREVIOUS TBVT(S) LOST FLAG.
		.1..		TBVT12C	CONTROL REGISTER 12 HAS THE CURRENT VALUE OF TBVTENT1. IF THE BUFFER IS NOT THE CURRENT BUFFER, CONTROL INFORMATION HAS BEEN LOST, THE END OF THE TRACE DATA IS UNKNOWN.
33	(21)	CHARACTER	1	TBVTBFG2	STATE FLAGS.
34	(22)	UNSIGNED	2	TBVTB3A	SASID AT TIME BUFFER BECAME CURRENT.
36	(24)	UNSIGNED	2	TBVTBHA	HASID AT TIME BUFFER BECAME CURRENT.
38	(26)	UNSIGNED	2	TBVTBPA	PASID AT TIME BUFFER BECAME CURRENT.
40	(28)	ADDRESS	4	TBVTBTB	PSATOLD AT TIME BUFFER BECAME CURRENT.
44	(2C)	SIGNED	4	TBVTBCNT	BUFFER USE COUNT.
48	(30)	CHARACTER	8	TBVTBTOD	TIME OF DAY BUFFER BECAME CURRENT.
56	(38)	CHARACTER	8	TBVTBSAT	TIME OF DAY BUFFER BECAME SATURATED.
64	(40)	CHARACTER	8	TBVTENTE	CR12. AS THIS IS USED AS THE TARGET OF STCTG, IT MUST BE ON A DOUBLEWORD BOUNDARY
64	(40)	ADDRESS	8	TBVTENTR	REAL ADDRESS OF NEXT AVAILABLE ENTRY SLOT IN TRACE BUFFER (IN CONTROL REGISTER 12 FORMAT) AT THE LAST SUSPEND OR TRACE INTERRUPT FOR THE BUFFER.
64	(40)	BITSTRING	4	TBVTENT0	WORD 0 OF ESAME CR12
68	(44)	ADDRESS	4	TBVTENT1	WORD 1 OF ESAME CR12. REAL ADDRESS OF NEXT AVAILABLE ENTRY SLOT IN TRACE BUFFER (IN CONTROL REGISTER 12 FORMAT) AT THE LAST SUSPEND OR TRACE INTERRUPT FOR THE BUFFER.
72	(48)	CHARACTER	8	TBVTWORK	WORK AREA. AS THIS IS USED AS THE TARGET OF STCTG, IT MUST BE ON A DOUBLEWORD BOUNDARY
80	(50)	ADDRESS	8	TBVTBUFV	VIRTUAL ADDRESS OF 4K BUFFER ASSOCIATED WITH THIS TBVT.
80	(50)	CHARACTER	4	TBVTBUFV0	WORD 0.
84	(54)	ADDRESS	4	TBVTBUFV1	WORD 1.
88	(58)	CHARACTER	0	TBVTEND	END OF TBVT.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4096	TBUF	TRACE BUFFER.
0	(0)	CHARACTER	4092	TBUFDATA	TRACE BUFFER DATA (TTES).
4092	(FFC)	CHARACTER	4	TBUFID	TBUF EBCDIC IDENTIFIER.
4096	(1000)	CHARACTER	0	TBUFEND	END OF TBUF.

TBVT Constants

Len	Type	Value	Name	Description
1	DECIMAL	2	TBVTLVLN	TBVT LEVEL NUMBER.

TBVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TBUF	0		TBVTB34	20	
TBUFDATA	0		TBVT12C	20	40
TBUFEND	1000		TBVT12E	8	
TBUFID	FFC		TBVT120	8	
TBVT	0		TBVT121	C	
TBVTBCNT	2C		TBVTEND	58	
TBVTBFGS	20		TBVTENTE	40	
TBVTBFG1	20		TBVTENTR	40	
TBVTBFG2	21		TBVTENT0	40	
TBVTBHA	24		TBVTENT1	44	
TBVTBLVL	4		TBVTFLGS	5	
TBVTBPA	26		TBVTFWRD	10	
TBVTBSA	22		TBVTID	0	
TBVTBSAT	38		TBVTMOBJ	5	80
TBVTBST	20		TBVTNXTR	10	
TBVTBTB	28		TBVTNXTV	14	
TBVTBTOD	30		TBVTPID	6	
TBVTBUFR	8		TBVTPLST	20	80
TBVTBUFV	50		TBVTTRASD	F	02
TBVTBUFV0	50		TBVTBRBR	C	80
TBVTBUFV1	54		TBVTBRE	8	80
TBVTBWRD	18		TBVTREXP	F	01

Name	Hex Offset	Hex Value
TBVTRMOE	8	40
TBVTRSV1	1C	
TBVTSOBJ	5	40
TBVTWORK	48	

TBWC Information

TBWC Programming Interface Information

Programming Interface Information

TBWC

End of Programming Interface Information

TBWC Heading Information • TBWC Cross Reference

TBWC Heading Information

Common Name: CTRACE Trace Buffer Writer Control area
Macro ID: ITTTBWC
DSECT Name: TBWC
Owning Component: CTRACE (SCTRC)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by component
 Key: Determined by component
 Residency: Determined by component
Size: 8 bytes
Created by: The TBWC is created by the component that is using the CTRACE writer services.
Pointed to by: Private pointer (or data register), in containing module.
Serialization: None
Function: The TBWC is used as the communication area between the exploiting component and CTrace. This area indicates the status of a particular trace buffer.

TBWC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TBWC	, Ctrace trace buffer writer control area
0	(0)	BITSTRING	1	TBWCUSRF	Flags set by the user of CTRACEWR
		1...		TBWCUTRC	"X'80" =1 Component is tracing in the trace buffer
		.1..		TBWCUFUL	"X'40" =1 Trace buffer is full
1	(1)	BITSTRING	1	TBWCCTRF	Flags set by CTRACEWR and cleared by the user
		1...		TBWCCCAP	"X'80" =1 CTRACEWR is in the process of capturing the trace buffer
		.1..		TBWCCAVAL	"X'40" =1 The trace buffer has been captured and is now available to be filled again
2	(2)	BITSTRING	2	TBWCRSN	Reason code. Non-zero when CTRACE determines that the buffer is being reused before it is captured.
4	(4)	SIGNED	4	TBWCSEQ	This sequence number is incremented each time the component starts to fill the trace buffer
8	(8)	DBL WORD	8	TBWCEND (0)	- End of TBWC

TBWC Cross Reference

Name	Hex Offset	Hex Value
TBWC	0	
TBWCCAVAL	1	40
TBWCCCAP	1	80
TBWCCTRF	1	
TBWCEND	8	
TBWCRSN	2	
TBWCSEQ	4	
TBWCUFUL	0	40
TBWCUSRF	0	
TBWCUTRC	0	80

TCB Information

TCB Programming Interface information

Programming Interface information

TCB

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

- TCBAFFN
- TCBANDSP
- TCBARC
- TCBBACK
- TCBBITCB
- TCBCELAP
- TCBCMP
- TCBCMPF
- TCBDEB
- TCBFLGS8
- TCBGRES
- TCBGRS
- TCBJLB
- TCBJSCBB
- TCBJSTCB
- TCBLEVEL
- TCBLLS
- TCBLTC
- TCBNTC
- TCBOTC
- TCBPIE
- TCBPKF
- TCBRBP
- TCBRV316
- TCBSENV
- TCBSTCB
- TCBSVCA2
- TCBSVCS
- TCBSVCSP
- TCBTCB
- TCBTCBID
- TCBTCT
- TCBTID
- TCBTIO
- TCBUSER

End of Programming Interface information

TCB Heading Information • TCB Map

TCB Heading Information

Common Name: TASK CONTROL BLOCK
Macro ID: IKJTCB
DSECT Name: TCBFIX (DSECT card precedes prefix). The label, TCB, should be used in the USING statement for the TCB proper. TCBXTNT2 is the DSECT name for common extension.
Owning Component: Task Management (SC1CL)
Eye-Catcher ID: TCB
 Offset: 256
 Length: 4
Storage Attributes: Subpool: 253
 Key: 0
 Residency: Below 16 MB line
Size: 408 bytes
Created by: IEAMSWCB, ATTACH
Pointed to by: ASMTCBPT field of the ASMVT data area
 ASXBFTCB field of the ASXB data area (first TCB)
 ASXBLTCB field of the ASXB data area (last TCB)
 CVTSLIDA field of the CVT data area (supervisor lock TCB)
 CVTWTTCB field of the CVT data area (dummy WAIT TCB)
 DEBTCBAD field of the DEB data area
 DSABTCBP field of the DSAB data area
 EVNTTCBP field of the EVNT data area
 JSCBTCBP field of the JSCB data area (initiator TCB)
 LCTTCBAD field of the LCT data area
 ORETCB field of the ORE data area
 PQETCB field of the PQE data area
 PSATNEW field of the PSA data area (new TCB to dispatch)
 PSATOLD field of the PSA data area (current TCB dispatched)
 QELTCB field of the QEL data area
 QPLTCB field of the QPL data area
 RBLINK field of the RB data area
 RQETCB field of the RQE data area
 SCVTCTCB field of the SCVT data area (Comm Task TCB)
 SMCATWTCB field of the SMCA data area (SMF writer TCB)
 SQETCB field of the SQE data area
 SSETCBA field of the EOT SSOB data area (terminating TCB)
 TAXETCB field of the TAXE data area
 TCBTCB field of the TCB data area (next TCB)
 TCBJUSTCB field of the TCB data area (jobstep TCB)
 TCBNTC field of the TCB data area (sister TCB)
 TCBOTC field of the TCB data area (originating TCB)
 TCBLTC field of the TCB data area (subtask TCB)
 TCBBACK field of the TCB data area (previous TCB)
 TCCWTCB field of the TCCW data area
 TCTTCB field of the TCT data area
 TIOCLDS field of the TIOCRPT data area (line disconnect TCB)
 TQETCB field of the TQE data area
 TSBWTCB field of the TSB data area (waiting TCB)
 TSBCTCB field of the TSB data area (TPUT TCB)
 UCMPTXA field of the UCM data area (comm task TCB)
 WEBUPTR field of the WEB data area
 WQETCB field of the WQE data area
 WQEJSTCB field of the WQE data area (associated jobstep TCB)
Serialization: Depends on the field
Function: The task control block (TCB) serves as a repository for information and pointers associated with a task. Various components of the control program place information in the TCB and obtain information from the TCB.

TCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
-32	(-20)	STRUCTURE	0	TCBFIX	, - TCBPTR-32
-32	(-20)	CHARACTER	32	TCBFRS (0)	- FLOATING POINT REGISTER SAVE AREA
-32	(-20)	DBL WORD	8	TCBFRS0	- SAVE AREA FOR FLOATING POINT REGISTER 0
-24	(-18)	DBL WORD	8	TCBFRS2	- SAVE AREA FOR FLOATING POINT REGISTER 2
-16	(-10)	DBL WORD	8	TCBFRS4	- SAVE AREA FOR FLOATING POINT REGISTER 4
-8	(-8)	DBL WORD	8	TCBFRS6	- SAVE AREA FOR FLOATING POINT REGISTER 6
-8	(-8)	X'20'	0	TCBPXLEN	**-'TCBFIX' LENGTH OF PREFIX SECTION

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
TCB PROPER					
End of Comment					
0	(0)	DBL WORD	8	(0)	*** - TCBPTR
0	(0)	X'20'	0	TCB	- ADDRESS OF THE RB FOR EXECUTING PROGRAM. THIS OFFSET FIXED BY ARCHITECTURE.
0	(0)	ADDRESS	4	TCBRBP	- Address of current PIE/EPIE. This field may be tested for zero to determine that there currently is no SPIE/ESPIE exit established for this task Ownership: RTM Serialization: Local Lock
4	(4)	ADDRESS	4	TCBPIE	- ADDRESS OF THE DEB QUEUE
8	(8)	ADDRESS	4	TCBDEB	- ADDRESS OF THE TASK I/O TABLE (TIOT)
12	(C)	ADDRESS	4	TCBTIO	- TASK COMPLETION CODE AND INDICATORS
16	(10)	BITSTRING	4	TCBCMP (0)	- INDICATOR FLAGS
16	(10)	BITSTRING	1	TCBCMPF	"X'80" - A DUMP HAS BEEN REQUESTED
		1...		TCBCREQ	"X'40" - A STEP ABEND HAS BEEN REQUESTED
		..1.		TCBCSTEP	"X'20" - SOME PROBLEM PROGRAM STORAGE WAS OVERLAID BY THE SECOND LOAD OF ABEND. A FIRST LOAD OVERLAY IS INDICATED IN TCBFLGS FIELD (OFFSET 29 DECIMAL). (OS/VS1)
		..1.		TCBCPP	"X'20" - DUMP OPTIONS WERE PROVIDED ON CALLRTM OR SETRP MACRO
		..1.		TCBDMPO	"X'10" - COMPLETION CODE IS NOT TO BE STORED IN TCBCMPC (OFFSET 17 DECIMAL) IF AN ABEND IS ENCOUNTERED. THIS IS TO PREVENT AN OVERLAY OF THE ORIGINAL COMPLETION CODE. (OS/VS1)
		...1		TCBSTCC	"X'10" - A COMPLETION CODE WAS NOT PROVIDED ON CALLRTM MACRO. A DEFAULT CODE IS BEING USED.
		.... 1...		TCBCDBL	"X'08" - A DOUBLE ABEND HAS OCCURRED (OS/VS1)
		.... 1...		TCBCASID	"X'08" - ABEND WAS SCHEDULED VIA CROSS MEMORY ABTERM
		.... ..1..		TCBCWTO	"X'04" - A DUMP MESSAGE (WTO) IS TO BE ISSUED TO THE OPERATOR (OS/VS1)
		.... ..1..		TCBRV316	"X'04" - INDICATES REASON CODE (TCBARC) IS VALID
		.... ..1..		TCBCIND	"X'02" - ABEND TO OUTPUT AN INDICATIVE DUMP (OS/VS1)
		.... ...1		TCBCMSG	"X'01" - AN ABEND MESSAGE IS PROVIDED TO BE PRINTED BY ABDUMP (OS/VS1)
17	(11)	BITSTRING	3	TCBCMPC	- SYSTEM COMPLETION CODE IN FIRST 12 BITS, USER COMPLETION CODE IN LAST 12 BITS
20	(14)	ADDRESS	4	TCBTRN (0)	- ADDRESS OF TESTSTRAN CONTROL CORE TABLE
20	(14)	BITSTRING	1	TCBABF	- FLAG BYTE
		1...		TCBMOD91	"X'80" - BOTH TESTSTRAN AND DECIMAL SIMULATOR ON A MOD 91
		..1.		TCBNOCHK	"X'40" - SUPPRESS TAKING CHECKPOINTS FOR THIS STEP (JOB STEP TCB)
		..1.		TCBGRPH	"X'20" - GAM/SP ACTIVE FOR THIS TASK
		...1		TCB_REFRPROT_OVERRIDE	"X'10" - Even if the REFRPROT option is active, do not apply REFRPROT rules to LOADs under this task.
		.... 1...		TCBTCPP	"X'08" - TCAM POST-PENDING (RORI)
		.... ..1..		TCBTCP	"X'04" - TEST TASK - USED BY TEST SVC
		.... ..1..		TCBOLTEP	"X'02" - OLTEP FUNCTIONS REQUIRE CLEANUP BEFORE ABNORMAL TERMINATION CAN BE INVOKED
		.... ...1		TCBDFRBP	"X'01" - Issue SVC 61 upon fetch. Set only when SVC 61 is being intercepted for deferred breakpoint processing
21	(15)	ADDRESS	3	TCBTRNB	- ADDRESS OF TESTSTRAN CONTROL CORE TABLE
24	(18)	ADDRESS	4	TCBMSS (0)	- ADDRESS OF LAST SPQE ON MSS QUEUE
24	(18)	BITSTRING	1		- HIGH ORDER BYTE OF TCBMSS
25	(19)	ADDRESS	3	TCBMSSB	- SAME AS TCBMSS
28	(1C)	BITSTRING	1	TCBPKF	- STORAGE PROTECTION KEY FOR THIS TASK. IF THERE IS NO STORAGE PROTECTION, ALL BITS ARE ZERO.
		1111		TCBFLAG	"X'F0" - STORAGE PROTECTION KEY
		.... 1111		TCBZERO	"X'0F" - MUST BE ZERO
29	(1D)	BITSTRING	5	TCBFLGS (0)	- FLAG BYTE FIELDS
29	(1D)	BITSTRING	1	TCBFLGS1	- FIRST TCB FLAG BYTE
		1...		TCBFA	"X'80" - May be on when a task is being abnormally terminated. Do NOT use this bit as an indicator in any program. It is not an intended interface. See the TCBEndingAbnormally bit for program use. Also see TCBDYING and TCBENDNG.
		..1.		TCBFE	"X'40" - On when the system is calling resource managers during abnormal termination.
		..1.		TCBFERA	"X'20" - ENTER ABEND ERASE ROUTINE WHEN IN CONTROL AGAIN
		...1		TCBNONPR	"X'10" - TASK IS NON-PREEMPTABLE
		.... 1...		TCBDUMP	"X'08" - PREVENT DUMP INDICATOR
		.... ..1..		TCBFT	"X'04" - TOP TASK IN TREE BEING ABTERMED

TCB Map

Offsets		Type/Value	Len	Name (Dim)	Description			
Dec	Hex							
30	(1E)	.... ..1.	1	TCBFS	"X'02" - ABTERM DUMP COMPLETED PROBLEM PROGRAM STORAGE HAS BEEN OVERLAID TO PROCESS ABEND (OS/VS1)		
		.... ..1		TCBFX	"X'01" - PROHIBIT QUEUEING OF ASYNCHRONOUS EXITS FOR THIS TASK		
		BITSTRING		TCBFLGS2	- SECOND FLAG BYTE			
		1...		TCBFOINP	"X'80" - THE TASK IS ABENDING AND IS IN THE PROCESS OF (1) OPEN FOR DUMP DATA SET PROCESSING, (2) CLOSE FOR USER DATA SET OR (3) PURGE FOR ENQ'ED RESOURCES. THIS BIT IS USED IN CONJUNCTION WITH TCBSTACK. ICB374			
		.1.		TCBFSTI	"X'40" - SECOND JOB STEP INTERVAL HAS EXPIRED (INITIATOR TCB)			
		.1.		TCBFABOP	"X'20" - IF 1, THE SYSABEND DUMP DATA SET HAS BEEN OPENED FOR ABEND. IF 0, THE SYSUDUMP DUMP DATA SET WAS OPENED. THIS BIT IS ONLY USED FOR THE JOB STEP TCB AND IS USED IN CONJUNCTION WITH TCBFDSOP BIT. YM0651			
		...1		TCBFSMC	"X'10" - TASK HAS ISSUED A SYSTEM-MUST-COMPLETE AND SET ALL OTHER TASKS IN THE SYSTEM NONDISPATCHABLE			
		.... 1...		TCBFJMC	"X'08" - TASK HAS ISSUED A STEP-MUST-COMPLETE AND TURNED OFF ALL OTHER TASKS IN THE STEP		
		.... ..1.		TCBFDSOP	"X'04" - SYSABEND OPEN FOR JOB STEP		
		.... ..1.		TCBFETXR	"X'02" - ETXR TO BE SCHEDULED		
31	(1F)	.... ..1	1	TCBFTS	"X'01" - THIS TASK IS A MEMBER OF A TIME-SLICED GROUP		
		BITSTRING		TCBFLGS3	- THIRD FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK			
		1...		TCBFMS	"X'80" - ALL PSW'S IN SUPERVISOR STATE			
		.1.		TCBRT1S	"X'40" - RTM1 HAS INVOKED SLIP FOR A TASK IN EUT MODE. RTM2 MAY BYPASS SLIP PROCESSING OWNERSHIP - RTM			
		..1.		TCBABTRM	"X'20" - ABTERM BIT TO PREVENT MULTIPLE ABENDS			
		...1		TCBFXSET	"X'10" - TCBFX WAS SET BY STATUS MCSTEP			
		.... ..1.		TCBKEY9	"X'04" - TCB was attached using KEY=NINE and so is to be treated as having a different key than the attacher		
		.... ..1.		TCBENQRM	"X'02" - ENQ/DEQ RESOURCE MANAGER HAS RECEIVED CONTROL. NO FURTHER DIRECTED ENQS ALLOWED. SERIALIZATION - TCBACTIV AND CMSEQDQ CLASS LOCK. OWNERSHIP - GRS.		
		.... ..1		TCBDWSTA	"X'01" - THIS TASK WAS DETACHED WITH STAE=YES OPTION ICB315		
		1...		TCBFLGS4	- NONDISPATCHABILITY FLAGS			
32	(20)	..1.	1	TCBNDUMP	"X'80" - ABDUMP NONDISPATCHABILITY INDICATOR			
		..1.		TCBSER	"X'40" - SER1 NONDISPATCHABILITY INDICATOR			
		..1.		TCBRQENA	"X'20" - I/O RQE'S EXHAUSTED			
		...1		TCBHNDSP	"X'10" - TASK OR JOB STEP IS MOMENTARILY 'FROZEN' UNTIL THE REQUIRED RESOURCES ARE AVAILABLE. THE BIT IS SET THROUGH THE USE OF THE 'STATUS' SVC ICB453			
		.... 1...		TCBUXNDV	"X'08" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE IS BEING EXECUTED FOR THIS STEP		
		.... ..1.		TCBRBWF	"X'04" - TOP RB IS IN WAIT STATE		
		.... ..1		TCBONDSP	"X'01" - TASK TERMINATING AND NONDISPATCHABLE BECAUSE EITHER OPEN FOR DUMP DATA SET IS IN PROCESS OR CLOSE BY ABEND IS IN PROCESS		
		1...		TCBFLGS5	- MORE NONDISPATCHABILITY FLAGS. IF ANY BIT IN THIS BYTE IS 1, THE TASK IS NONDISPATCHABLE.			
		..1.		TCBFC	"X'80" - TASK TERMINATED			
		..1.		TCBABWF	"X'40" - ABNORMAL WAIT			
33	(21)	..1.	1	TCBUXNDF	"X'40" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE IS BEING EXECUTED FOR THIS STEP. THIS BIT IS SET TO 1 IN ALL TCB'S EXCEPT JOB STEP TCB. (OS/VS1) ICB263			
		..1.		TCBPAGE	"X'20" - TASK IS NONDISPATCHABLE DUE TO EXCESSIVE PAGING RATE			
		...1		TCBANDSP	"X'10" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE IT WAS ATTACHED UNDER THE DISP=NO OPERAND			
		.... 1...		TCBSYS	"X'08" - ANOTHER TASK IS IN SYSTEM-MUST-COMPLETE STATUS OR A SUMMARY BIT FOR FIELD TCBSYSCT		
		.... ..1.		TCBSTP	"X'04" - ANOTHER TASK IN THIS JOB STEP IS IN STEP-MUST-COMPLETE STATUS		
		.... ..1.		TCBFCD1	"X'02" - INITIATOR WAITING FOR REGION		
		.... ..1		TCBPNDSP	"X'01" - PRIMARY NONDISPATCHABILITY BIT. THIS BIT IS SET TO 1 IF ANY OF THE SECONDARY NONDISPATCHABILITY BITS (OFFSETS 173, 174, 175, 200 OR 201 DECIMAL) IS SET TO 1. THIS BIT IS SET TO 0 IF A SECONDARY NONDISPATCHABILITY BIT IS SET TO 0 AND ALL OTHER SECONDARY NONDISPATCHABILITY BITS ARE 0.		
		34		(22)	SIGNED	1	TCBLMP	- TASK LIMIT PRIORITY
		35		(23)	SIGNED	1	TCBDSP	- DISPATCHING PRIORITY FOR THIS TASK
		36		(24)	ADDRESS	4	TCBLLS	- ADDRESS OF LAST LOAD LIST ELEMENT (LLE) IN LOAD LIST
40	(28)	ADDRESS	4	TCBJLB	- ADDRESS OF A JOBLIB DCB			
44	(2C)	ADDRESS	4	TCBJPQ (0)	- ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA) CONTROL QUEUE			
44	(2C)	BITSTRING	1	TCBPURGE	- HIGH ORDER BYTE			

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		TCBJPQF	"X'80" - JPQ PURGE FLAG
45	(2D)	ADDRESS	3	TCBJPQB	- LOW ORDER 24-BITS OF TCBJPQ
48	(30)	CHARACTER	64	TCBGRS (0)	- GENERAL REGISTER SAVE AREA. THIS OFFSET FIXED BY ARCHITECTURE.
48	(30)	SIGNED	4	TCBGRS0	- SAVE AREA FOR GENERAL REGISTER 0
52	(34)	SIGNED	4	TCBGRS1	- SAVE AREA FOR GENERAL REGISTER 1
56	(38)	SIGNED	4	TCBGRS2	- SAVE AREA FOR GENERAL REGISTER 2
60	(3C)	SIGNED	4	TCBGRS3	- SAVE AREA FOR GENERAL REGISTER 3
64	(40)	SIGNED	4	TCBGRS4	- SAVE AREA FOR GENERAL REGISTER 4
68	(44)	SIGNED	4	TCBGRS5	- SAVE AREA FOR GENERAL REGISTER 5
72	(48)	SIGNED	4	TCBGRS6	- SAVE AREA FOR GENERAL REGISTER 6
76	(4C)	SIGNED	4	TCBGRS7	- SAVE AREA FOR GENERAL REGISTER 7
80	(50)	SIGNED	4	TCBGRS8	- SAVE AREA FOR GENERAL REGISTER 8
84	(54)	SIGNED	4	TCBGRS9	- SAVE AREA FOR GENERAL REGISTER 9
88	(58)	SIGNED	4	TCBGRS10	- SAVE AREA FOR GENERAL REGISTER 10
92	(5C)	SIGNED	4	TCBGRS11	- SAVE AREA FOR GENERAL REGISTER 11
96	(60)	SIGNED	4	TCBGRS12	- SAVE AREA FOR GENERAL REGISTER 12
100	(64)	SIGNED	4	TCBGRS13	- SAVE AREA FOR GENERAL REGISTER 13
104	(68)	SIGNED	4	TCBGRS14	- SAVE AREA FOR GENERAL REGISTER 14
108	(6C)	SIGNED	4	TCBGRS15	- SAVE AREA FOR GENERAL REGISTER 15
112	(70)	ADDRESS	4	TCBFSA (0)	- ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA
112	(70)	SIGNED	1		- FIRST BYTE OF TCBFSA
113	(71)	ADDRESS	3	TCBFSA B	- ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA
116	(74)	ADDRESS	4	TCBTCB	- Queue of TCBs in an address space. Note: The queue is not maintained in priority order.
120	(78)	ADDRESS	4	TCBTME	- ADDRESS OF THE TIMER QUEUE ELEMENT (TQE)
		1... ..		TCBTQET	"X'80" - IF ZERO, TASK TYPE TQE. IF ONE, REAL/WAIT TYPE TQE.
124	(7C)	ADDRESS	4	TCBJSTCB (0)	- Address of job step TCB for this TCB
124	(7C)	BITSTRING	1		- HIGH ORDER BYTE OF TCBJSTCB
125	(7D)	ADDRESS	3	TCBJSTCA	- LOW ORDER 24 BITS OF TCBJSTCB
128	(80)	ADDRESS	4	TCBNTC	- ADDRESS OF THE TCB FOR THE TASK PREVIOUSLY ATTACHED BY THE TASK THAT ATTACHED THIS TASK. FOR EXAMPLE, IF TASK A ATTACHED TASK B AND THEN TASK C, THIS FIELD IN TASK C'S TCB POINTS TO TASK B'S TCB, AND THIS FIELD IN TASK B'S TCB IS ZERO.
132	(84)	ADDRESS	4	TCBOTC	- ADDRESS OF THE TCB FOR THE TASK (THE ORIGINATING TASK) THAT ATTACHED THIS TASK. THIS FIELD IS ZERO IN THE TCB FOR A SYSTEM TASK.
136	(88)	ADDRESS	4	TCBLTC	- ADDRESS OF THE TCB FOR THE TASK LAST ATTACHED BY THIS TASK. NOTE - IF A TASK (THE ORIGINATING TASK) HAS ATTACHED OTHER TASKS, THE TCB'S FOR THE OTHER TASKS ARE ON THE SUBTASK QUEUE OF THE ORIGINATING TASK. TCBLTC IN THE TCB FOR THE ORIGINATING TASK POINTS TO THE LAST TCB (THE TCB FOR THE LAST ATTACHED TASK) IN THE SUBTASK QUEUE. IN EACH TCB ON THE SUBTASK QUEUE, EXCEPT THE FIRST TCB, TCBNTC POINTS TO THE PRECEDING TCB ON THE QUEUE.
140	(8C)	ADDRESS	4	TCBIQE	- ADDRESS OF AN INTERRUPTION QUEUE ELEMENT (IQE) FOR SCHEDULING THE ETXR ROUTINE OF THE TASK THAT ATTACHED THIS TASK.
144	(90)	ADDRESS	4	TCBECB	- ADDRESS OF THE ECB THAT WILL BE POSTED BY THE SUPERVISOR'S TASK TERMINATION ROUTINES WHEN NORMAL OR ABNORMAL TERMINATION OCCURS.
148	(94)	BITSTRING	1	TCBTSFLG	- TIME SHARING FLAGS
		1... ..		TCBSTSTK	"X'80" - SWAPPED TIME SHARING TASK (OS/VS1)
		.1.		TCBSTPPR	"X'40" - TASK SHOULD BE MADE NONDISPATCHABLE VIA TCBSTPP WHEN IT IS NO LONGER RUNNING A PRIVILEGED PROGRAM
		..1.		TCBATT	"X'20" - TASK SHOULD NOT HAVE ATTENTION EXITS SCHEDULED ON IT BY EXIT EFFECTOR. THIS OFFSET FIXED BY ARCHITECTURE.
		...1		TCBTIOTG	"X'10" - PURGE TGET/TPUT AFTER ATTENTION
		.... 1..		TCBSMCP	"X'08" - STATUS MCSTEP PENDING, TASK IS SUSPENDED
		.... ..1.		TCBDYDSP	"X'02" - M195 TASK IS MEMBER OF DYNAMIC DISPATCHING GROUP ICB262
		.... ...1		TCBCPUBN	"X'01" - FOR M195, ZERO MEANS I/O BOUND AND ONE MEANS CPU BOUND ICB262
149	(95)	SIGNED	1	TCBSTPCT	- NUMBER OF SETTASK STARTS WHICH MUST BE ISSUED BEFORE TASK IS MADE DISPATCHABLE - FIELD NOT RESTRICTED TO TSO
150	(96)	SIGNED	1	TCBSTSLP	- LIMIT PRIORITY OF TIME SHARING TASK
151	(97)	BITSTRING	1	TCBSTSDP	- DISPATCHING PRIORITY OF TIME SHARING TASK
152	(98)	ADDRESS	4	TCBRD	POINTER TO DPQE MINUS 8 FOR THE JOB STEP SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
152	(98)	X'B8'	0	TCBPQE	"TCBRD" SAME AS TCBRD
156	(9C)	ADDRESS	4	TCBAE	LIST ORIGIN OF AQE(S) FOR THIS TASK SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
156	(9C)	X'BC'	0	TCBAQE	"TCBAE" SAME AS TCBAE
160	(A0)	ADDRESS	4	TCBSTAB (0)	- ADDRESS OF THE CURRENT STAE CONTROL BLOCK

TCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
160	(A0)	BITSTRING 1... .... .1. .... .1. .... ...1 1..	1	TCBNSTAE TCBSTABE TCBQUIES TCB33E TCBPPSUP	- FLAGS INTERNAL TO STAE ROUTINE "X'80" - ABEND ENTERED BECAUSE OF ERROR IN STAE PROCESSING "X'40" - STAE INVOKED PURGE I/O ROUTINE WITH QUIESCE I/O OPTION "X'20" - A 33E ABEND HAS OCCURRED FOR TASK "X'10" - 1=SUPERVISOR MODE,0=PROBLEM PROGRAM MODE INDICATOR TO SYNCH OF THE MODE OF THE USER EXIT "X'08" - PURGE I/O ROUTINE DID NOT SUCCESSFULLY QUIESCE I/O, BUT I/O WAS HALTED
		.... .1. .... ...1		TCBHALT TCBSYNCH TCBSTCUR	"X'04" - SYNCH ISSUED BY ASIR TO SCHEDULE EXIT ROUTINE "X'01" - STAE RECURSION VALID ICB443
161	(A1)	ADDRESS	3	TCBSTABB	- ADDRESS OF THE CURRENT STAE CONTROL BLOCK
164	(A4)	ADDRESS	4	TCBTCT (0)	- ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT BEING COLLECTED FOR THE TASK. SERIALIZATION: LOCAL LOCK.
164	(A4)	BITSTRING 1...	1	TCBTCTGF TCBSMFGF	- FLAG BYTE FOR TIMING CONTROL TABLE ICB318 "X'80" - IF ZERO, THE TCT CORE TABLE IS NOT TO BE UPDATED BY GETMAIN/FREEMAIN. IF ONE, THE TCT CORE TABLE IS TO BE UPDATED BY GETMAIN/FREEMAIN. ICB318
165	(A5)	ADDRESS	3	TCBTCTB	- ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF SMF IS NOT IN THE SYSTEM.
168	(A8)	ADDRESS	4	TCBUSER	- A WORD AVAILABLE TO THE USER
172	(AC)	BITSTRING	4	TCBSCNDY (0)	- SECONDARY NONDISPATCHABILITY BITS. IF ANY BIT IN THE FOLLOWING FOUR BYTES IS 1, THE PRIMARY NONDISPATCHABILITY BIT (OFFSET 33.7 DECIMAL) IS 1, AND THE TASK IS NONDISPATCHABLE.
172	(AC)	BITSTRING	4	TCBNDSP (0)	- SAME AS TCBSCNDY
172	(AC)	BITSTRING.... ...1	1	TCBNDSP0 TCBNDJL	- BYTE 0 "X'01" Join/Leave processing
173	(AD)	BITSTRING 1...	1	TCBNDSP1 TCBDARTN	- BYTE 1 "X'80" - THE TASK IS TEMPORARILY NONDISPATCHABLE - DAMAGE ASSESSMENT ROUTINE (DAR) "TCBDARTN" * ALIAS *
173	(AD)	X'80' .1.	0	TNONDISP TCBDARPN	"X'40" - THE TASK IS PERMANENTLY NONDISPATCHABLE - DAMAGE ASSESSMENT ROUTINE (DAR) "TCBDARPN" * ALIAS *
173	(AD)	X'40' .1. .... ...1 1..	0	PNONDISP TCBRSTND TCBRSPND TCBDDRND	"X'20" - THE TASK IS TEMPORARILY NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) "X'10" - THE TASK IS PERMANENTLY NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) (IF THIS BIT IS ON THEN THE PREVIOUS BIT MUST BE ON TOO) "X'08" - THE TASK IS IN DEVICE ALLOCATION AND DYNAMIC DEVICE RECONFIGURATION (DDR) HAS MADE IT NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) (OS/VS1)
		.... .1.		TCBTSPSP	"X'04" - DISPATCHING OF TCAM TASK MUST BE DELAYED UNTIL TCAM I/O APPENDAGE OR SVC ROUTINE HAS COMPLETED EXECUTION (TCAM IN MULTIPROCESSING ENVIRONMENT)
		.... ..1.		TCBPIEND	"X'02" - SRB IS TO BE SCHEDULED TO PERFORM PIE/PICA PROCESSING (FIRST LEVEL INTERRUPT HANDLER)
		.... ...1		TCBABTIN	"X'01" - THE TASK IS TEMPORARILY NONDISPATCHABLE WHILE BEING SET UP FOR ABTERM
174	(AE)	BITSTRING 1... .... .1. .... ..1. .... ...1 1.. .... .1. .... ..1.	1	TCBNDSP2 TCBABD TCBSTPP TCBNDSVC TCBNDS TCBIWAIT TCBOWAIT TCBDSS	- BYTE 2 "X'80" - ABDUMP IS PROCESSING (OS/VS1) "X'40" - TASK SET NONDISPATCHABLE BY SETTASK "X'20" - TASK IS NONDISPATCHABLE BECAUSE SVC DUMP IS EXECUTING FOR ANOTHER TASK "X'10" - TASK IS NONDISPATCHABLE BECAUSE IT IS BEING SWAPPED OUT "X'08" - TASK IS NONDISPATCHABLE DUE TO AN INPUT WAIT "X'04" - TASK IS NONDISPATCHABLE DUE TO AN OUTPUT WAIT "X'02" - DYNAMIC SUPPORT SYSTEM (DSS) HAS SET THIS TASK NONDISPATCHABLE ICB313
		.... ...1		TCBABE	"X'01" - ABEND ROUTINE WAS ENTERED FOR THIS TASK WHILE THE DCB FOR SYSABEND (OR SYSUDUMP) DATA SET WAS BEING OPENED FOR ANOTHER TASK (OS/VS1)
175	(AF)	BITSTRING 1... .... ..1. .... ...1	1	TCBNDSP3 TCBLJSND TCBNDNYI TCBSRBND	- BYTE 3 "X'80" - TASK IS ABENDING AND NONDISPATCHABLE BECAUSE IT HAS A JOB STEP SUBTASK. TCBONDSP MUST ALSO BE ON. "X'40" - RCT TASK IS NONDISPATCHABLE BECAUSE ADDRESS SPACE IS NOT YET INITIALIZED FULLY "X'20" - TCB NONDISPATCHABLE BECAUSE SRB'S ARE STOPPED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		TCBSLPER	"X'10" - SET NONDISPATCHABLE SO THAT SLIP/PER CAN ALTER RB PSW PER BIT
		.... 1...		TCBS3MR	"X'08" - STAGE 3 EXIT EFFECTOR MUST RUN TO SYNCHRONIZE ATTENTION INTERRUPT
		.... .1..		TCBAREQ	"X'04" - TSO AUTHORIZED REQUEST PROCESSING ACTIVE
		.... ..1.		TCBNDSMF	"X'02" - Indicates task is stopped because its CPU or continuous wait time has been exceeded. SMF determines whether to grant extension or abend task. Ownership: SMF.
		.... ...1		TCBNDINT	"X'01" - INITIATOR SETS THIS BIT TO PREVENT JOB STEP EXECUTION IN ORDER TO DO CANCEL PROCESSING (CAN CANCEL LOOP)
176	(B0)	SIGNED	4	TCBMDIDS	- RESERVED FOR MODEL-DEPENDENT SUPPORT AND FOR IBM PROPRIETARY PROGRAMMING SUPPORT ICBXXX
180	(B4)	ADDRESS	4	TCBJSCB (0)	- ADDRESS OF THE JOB STEP CONTROL BLOCK
180	(B4)	BITSTRING	1	TCBRECDE	- ABEND RECURSION BYTE ICB456
		1...		TCBREC	"X'80" - VALID REENTRY TO ABEND IF NON-ZERO VALUE IN FOLLOWING 7 BITS ICB456
		.... ...1		TCBOPEN	"X'01" - OPEN DUMP DATA SET ICB456
		.... ..1.		TCBCLOSE	"X'02" - CLOSE DIRECT SYSOUT ON TAPE ICB456
		.... ..11		TCBCLOSE	"X'03" - CLOSE OPEN DATA SETS ICB456
		.... .1..		TCBCLOSF	"X'04" - RESERVED. ICB456
		.... .1.1		TCBGREC	"X'05" - GRAPHICS ICB456
		.... .111		TCBADUMP	"X'07" - ABDUMP ICB456
		.... 1... .		TCBPTAXE	"X'08" - PURGE TAXE ICB456
		.... 1..1		TCBMESG	"X'09" - MESSAGE RECURSION ICB456
		.... 1.1.		TCBDYNAM	"X'0A" - DD-DYNAM TIOT CLEANUP ICB456
		.... 1.11		TCBDAMSG	"X'0B" - ABEND IS ISSUING A WTOR ASKING WHETHER THE JOB STEP TASK SHOULD WAIT FOR THE DUMP AREA (OS/VS1)
		.... 11..		TCBQTIP	"X'0C" - PURGE TSO INTERPARTITION POSTS ICB456
		.... 11.1		TCBTCAMP	"X'0D" - PURGE TCAM INTERPARTITION POSTS ICB456
		.... 111.		TCBINDRC	"X'0E" - INDICATIVE DUMP (LOAD 8 OF ABEND) HAS ABENDED. ABEND WILL HANDLE THIS ABEND. (OS/VS1)
		.... 1111		TCBSAVCD	"X'0F" - ASIR RECURSION. SAVE OLD COMPLETION CODE ICB456
		....1		TCBTYP1W	"X'10" - TYPE 1 MESSAGE WRITE TO PROGRAMMER ICB456
		..1.		TCBWTPSE	"X'20" - WRITE-TO-PROGRAMMER (WTP) FAILED. JOB STEP TIMER EXPIRED DURING JOB STEP ABEND AND THE STAE EXIT IS DENIED. (OS/VS1)
		..1. ...1		TCBVTAM1	"X'21" - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA1, FOR TERMINATION OF TASK OR SUBTASK (OS/VS1)
		..1. ..1.		TCBVTAM2	"X'22" - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA1 ABENDED (OS/VS1)
		..1. ..11		TCBVTAM3	"X'23" - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA0, BECAUSE VTAM ABENDED (OS/VS1)
		..1. .1..		TCBVTAM4	"X'24" - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA0 ABENDED (OS/VS1)
		..11		TCBNOSTA	"X'30" - STAE/STAI NOT TO BE HONORED ICB456
		..11 ...1		TCBSTRET	"X'31" - RETURN FROM DUMP PROCESSING ICB456
		..11 ..1.		TCBCONVR	"X'32" - CONVERT TO STEP ABEND ICB456
		..11 ..11		TCBDARET	"X'33" - RETURN FROM DAMAGE ASSESSMENT ROUTINES ICB456
		..11 .1..		TCBTYP1R	"X'34" - RETURN FROM TYPE 1 MESSAGE MODULE ICB456
		..11 .1.1		TCBNEWRB	"X'35" - ABEND ISSUED SVC 13 TO TRANSFER CONTROL (XCTL) TO A NON-ABEND MODULE ICB456
		..1.		TCBMCCNS	"X'40" - A MUST COMPLETE TASK HAS ABNORMALLY TERMINATED WITHOUT ENOUGH STORAGE FOR 2 RB'S FOR A WTOR ASKING WHETHER THE TASK'S RESOURCES ARE CRITICAL. THE RESOURCES ARE ASSUMED TO BE CRITICAL, AND THE PARTITION IS MARKED PERMANENTLY NONDISPATCHABLE. (OS/VS1) ICB492
181	(B5)	ADDRESS	3	TCBJSCBB	- ADDRESS OF THE JOB STEP CONTROL BLOCK
184	(B8)	ADDRESS	4	TCBSSAT	- ADDRESS OF THE SUBSYSTEM AFFINITY TABLE (SSAT). SERIALIZATION - TCBACTIV. OWNERSHIP - TASK MANAGEMENT.
188	(BC)	ADDRESS	4	TCBIOBRC	- ADDRESS OF IOB RESTORE CHAIN FOR I/O QUIESCED BY EOT YM2840
192	(C0)	ADDRESS	4	TCBEXCPD	- ADDRESS OF EXCP DEBUG AREA YM4297
196	(C4)	ADDRESS	4	TCBEXT1 (0)	- ADDRESS OF OS-OS/VS COMMON TCB EXTENSION ICB311
196	(C4)	BITSTRING	1		- RESERVED.
197	(C5)	ADDRESS	3	TCBEXT1A	- ADDRESS OF OS-OS/VS COMMON TCB EXTENSION ICB311

Comment

OS/VS1 - OS/VS2 COMMON SECTION

End of Comment

200	(C8)	BITSTRING	4	TCBBITS (0)	- FLAG BYTES. IF A BIT IN THE FOLLOWING TWO BYTES IS SET TO 1, THE PRIMARY NONDISPATCHABILITY BIT (OFFSET 33.7 DECIMAL) IS SET TO 1, AND THE TASK IS NONDISPATCHABLE.
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TCB Map

Offsets		Type/Value	Len	Name (Dim)	Description				
Dec	Hex								
200	(C8)	BITSTRING	1	TCBNDSP4	- SECONDARY NONDISPATCHABILITY FLAGS COMMON TO OS/VS1 AND OS/VS2. COORDINATED WITH PRIMARY NONDISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS NOT CURRENTLY SUPPORTED BY OS/VS2.				
201	(C9)	BITSTRING	1	TCBNDSP5	- SECONDARY NONDISPATCHABILITY FLAGS UNIQUE TO OS/VS1 OR OS/VS2. COORDINATED WITH PRIMARY NONDISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS NOT CURRENTLY SUPPORTED BY OS/VS2.				
202	(CA)	BITSTRING 1... .... .1. .... ..1. .... ...1 1... .... .1.. .... ..1. .... ...1	1	TCBFLGS6	- TASK-RELATED FLAGS				
				TCBRV	"X'80" - THE PARTITION IS FIXED IN REAL STORAGE. VIRTUAL ADDRESSES ARE EQUAL TO REAL ADDRESSES.				
				TCBPIE17	"X'40" - PAGE FAULT INTERRUPT IS TO BE PASSED TO THE TASK'S INTERRUPT EXIT AND AN 8-BYTE PICA IS IN EFFECT FOR THIS TASK ICB339				
				TCBCPU	"X'20" - TASK IS CPU-BOUND MEMBER OF AUTOMATIC PRIORITY GROUP (APG)				
				TCBSPVLK	"X'10" - TASK SCHEDULED FOR ABTERM WHILE OWNING SUPERVISOR LOCK				
				TCBHCRM	"X'08" - Health Checker has established a task term resmgr for this task				
				TCBMIGR	"X'04" - REGION SELECTED FOR MIGRATION FROM PRIMARY PAGING DEVICE				
				TCBAPG	"X'02" - TASK IS IN AUTOMATIC PRIORITY GROUP (APG)				
				TCBNTJS	"X'01" - JOB STEP TASK BUT NOT HIGHEST IN FAILING TREE				
				203	(CB)	BITSTRING 1... .... .1. .... ..1. .... ...1 1... .... .1.. .... ..1.	1	TCBFLGS7	- TASK-RELATED FLAGS
								TCBGPECB	"X'80" - TASK IS IN AN ECB WAIT FOR A GETPART ICB339
								TCBSENV	"X'40" -
								TCBSVCSP	"X'20" - IF 1, SVC SCREENING IS TO BE PROPAGATED TO SUBTASKS
TCBSTACK	"X'10" - SET IN JOB STEP TCB TO INDICATE THAT A TASK IN THE JOB STEP IS IN SERIAL ABEND PROCESSING. USED IN CONJUNCTION WITH TCBFOINP. ICB374								
TCBSVCS	"X'08" - IF 1, SVC SCREENING IS REQUIRED FOR THE TASK. THIS OFFSET FIXED BY ARCHITECTURE.								
TCBRSTSK	"X'04" - RESIDENT SYSTEM TASK								
204	(CC)	BITSTRING 1... .... .1. .... ..1. .... ...1 1... .... .1.. .... ..1. .... ...1	1	TCBDAR	- DAMAGE ASSESSMENT ROUTINE (DAR) FLAGS				
				TCBDARP	"X'80" - PRIMARY DAR RECURSION. DAR HAS BEEN ENTERED FOR THIS TASK.				
				TCBDARS	"X'40" - SECONDARY DAR RECURSION. IF DAR IS REENTERED, THIS TASK WILL BE SET NONDISPATCHABLE.				
				TCBDARD	"X'20" - A DUMP HAS BEEN REQUESTED FOR A WRITER OR SCHEDULER ABEND, AND THE USER HAS PROVIDED NO SYSABEND DD CARD (OS/VS1)				
				TCBDARC	"X'10" - RECURSION PERMITTED IN CLOSE - AFTER DAR PROCESSING COMPLETED (PCP)				
				TCBDARMC	"X'10" - DAR HAS BEEN ENTERED TO HANDLE A VALID RECURSION IN MUST-COMPLETE STATUS THROUGH ABEND ICB264				
				TCBDARO	"X'08" - SYSTEM ERROR TASK IS FAILING. DAR DUMP SHOULD NOT REQUEST ANY ERROR RECOVERY PROCEDURE (ERP) PROCESSING.				
				TCBDARWT	"X'04" - A WTO OPERATION WITH A 'REINSTATEMENT FAILURE' MESSAGE IS IN PROCESS FOR DAR ICB264				
				TCBDARMS	"X'02" - WTO OPERATION WITH A 'DAR IN PROGRESS' MESSAGE IS IN PROCESS FOR DAR (OS/VS1)				
				TCBEXSVC	"X'01" - THE DUMP SVC ROUTINE IS EXECUTING FOR THIS TASK				
205	(CD)	BITSTRING	1	TCBRSV37	- RESERVED FOR USER				
206	(CE)	SIGNED	1	TCBSYSCT	- NUMBER OF OUTSTANDING SYSTEM-MUST-COMPLETE REQUESTS (ICB497) YM3883				
207	(CF)	SIGNED	1	TCBSTMCT	- NUMBER OF OUTSTANDING STEP-MUST-COMPLETE REQUESTS (ICB497) YM3883				
208	(D0)	ADDRESS	4	TCBEXT2 (0)	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB311				
208	(D0)	BITSTRING	1		- FIRST BYTE OF TCBEXT2				
209	(D1)	ADDRESS	3	TCBEXT2A	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB311				

Comment

OS/VS2 TCB OVERLAY

End of Comment

212	(D4)	SIGNED	4	TCBAECB	- ABEND ECB. POSTED BY A MOTHER TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS WAITING TO TERMINATE IT.
216	(D8)	ADDRESS	4	TCBXS	- ADDRESS OF CURRENT XSB FOR TASK. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
220	(DC)	ADDRESS	4	TCBBACK	- ADDRESS OF PREVIOUS TCB ON READY QUEUE. ZERO IN TOP TCB.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
224	(E0)	ADDRESS	4	TCBRTWA	- POINTER TO CURRENT RTM2 WORK AREA
228	(E4)	ADDRESS	4	TCBNSSP	- NORMAL STACK SAVE AREA POINTER. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
		1...		TCBNSSQA	"X'80" - NORMAL STACK SAVED IN SQA INDICATOR.
232	(E8)	ADDRESS	4	TCBXLAS	- ASCB ADDRESS OF THE CML LOCK HELD WHILE TCB SUSPENDED OR INTERRUPTED. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
236	(EC)	CHARACTER	1	TCBABCUR	- ABEND RECURSION BYTE
237	(ED)	SIGNED	1	TCBFBMCT	- NUMBER OF OUTSTANDING STEP-MUST-COMplete REQUESTS ISSUED BY THE TASK
238	(EE)	CHARACTER	1	TCBTID	- The task identifier as specified on the TID parameter of ATTACH or ATTACHX. The following task identifiers are for internal use only:
238	(EE)	X'FF'	0	TCBPAGID	"255" - ID FOR PAGING SUPERVISOR TASK ICB403
238	(EE)	X'FE'	0	TCBSYERR	"254" - ID FOR SYSTEM ERROR TASK ICB403
238	(EE)	X'FD'	0	TCBCOMM	"253" - ID FOR COMMUNICATIONS TASK ICB403
238	(EE)	X'FC'	0	TCBIORMS	"252" - ID FOR I/O RMS TASK ICB403
238	(EE)	X'FB'	0	TCBMASTR	"251" - ID FOR MASTER SCHEDULER TASK ICB403
238	(EE)	X'FA'	0	TCBJES	"250" - ID FOR JOB ENTRY SUBSYSTEM (JES) MONITOR TASK ICB403
238	(EE)	X'F9'	0	TCBDSSID	"249" - ID FOR DYNAMIC SUPPORT SYSTEM (DSS) TASK ICB403
238	(EE)	X'F8'	0	TCBLOGID	"248" - ID FOR SYSTEM LOG TASK
239	(EF)	BITSTRING	1	TCBFLGS8	- GUPI FLAG BYTE FIELD SERIALIZATION - TCBACTIV (Must be running under this TCB when updating this field.)
		1...		TCBDYING	"X'80" - If on, indicates that this TCB will be terminating (normally or abnormally) and its mainline processing will not be allowed to run again. Also see the TCBENDNG bit. TCBDYING is set when any of the following occur: - the TCB is terminating normally - before Estae-type recovery routines receive control for Cancel and Detach (not including Detach with STAE) abends - after all recovery routines have percolated for retrievable abends Ownership - RTM.
		.1..		TCBNOIRB	"X'40" - If on, IRBs will not be queued to this TCB. A program setting this flag MUST save its current value and restore that value either when that program can tolerate IRBs being queued or before the current RB terminates.
		..1.		TCBJTCBA	"X'20" - If on, this is the attach of the JSTCB by the initiator
		...1		TCBSNDX	"X'10" - If on, this task is exempt from being set non-dispatchable for SDUMP by STATUS
		.... 1..		TCBENDNG	"X'08" - If on, indicates that this TCB will be terminating (normally or abnormally) and its mainline processing will not be allowed to run again. The key difference between TCBENDNG and TCBDYING is that TCBENDNG is set before all types of recovery routine if they will not be allowed to retry. TCBDYING is not set before FRRs and is set before Estae-type recovery routines only for Cancel and Detach abends. TCBENDNG is set when any of the following occur: - The TCB is terminating normally - before recovery routines (including FRRs) receive control for all non-retrievable abends including Cancel, Detach, Detach with STAE, and RETRY=NO abterms - after all recovery routines have percolated for retrievable abends Ownership - RTM.
		.... .1..		TCBENDINGABNORMALLY	"X'04" - If On, indicates that this TCB is abnormally terminating or (if the task has ended) has abnormally terminated. This bit is a direct intended interface replacement for TCBFA. TCBEndingAbnormally is set when RTM detects that a task will terminate abnormally and its mainline will not be allowed to run again in the following situations: - before Estae-type recovery (not FRRs) receives control for all non-retrievable abends including Cancel, Detach, Detach with STAE, and RETRY=NO abterms - after all recovery routines have percolated for retrievable abends - in all subtasks before TERM=YES Estae-type recovery is invoked for a Cancel or Detach abend of the current task If the task has ended, TCBEndingAbnormally can be used to determine whether STCBCMP contains an ABEND code or the contents of GPR 15 when the last program returned to the system. Ownership - RTM.
240	(F0)	SIGNED	4	TCBXSCT (0)	- DISPATCHER INTERSECT CONTROL WORD
240	(F0)	BITSTRING	1	TCBXSCT1	- FLAG BYTE
		1...		TCBACTIV	"X'80" - BIT ON MEANS THIS TCB IS CURRENTLY ACTIVE ON A CPU. USED TO SYNCHRONIZE SOME STATUS SAVING AND DISPATCHABILITY INDICATORS WHEN ACTIVE OR NOT UNDER THE LOCAL LOCK.
		.1..		TCBS3A	"X'40" - STAGE 3 EXIT EFFECTOR/RESUME/TCTL INTERSECT FLAG
		..1.		TCBLLREQ	"X'20" - TASK REQUESTED LOCAL LOCK
		.... 1..		TCBDORM	"X'08" - Turned on to detect dormant Tasks by Parallel Detach processing. Turned off by the Dispatcher during Task dispatch
241	(F1)	BITSTRING	1	TCBXSCT2	- FLAG BYTE
		1...		TCBCMLF	"X'80" - CML RESOURCE MANAGER PROCESSING COMPLETE FOR THIS CML LOCK HOLDER.
		.1..		TCBLLNEW	"X'40" - Lock Manager has given this task the local lock, but its status is in the TCB, not the IHSA. SERIALIZATION: TCBACTIV OWNERSHIP: Task Management
242	(F2)	SIGNED	2	TCBCCPVI	- ID OF THE CURRENT CPU RUNNING THIS TASK. USED FOR RECOVERY AND CPU AFFINITY.

TCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
244	(F4)	ADDRESS	4	TCBFOE (0)	- ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE) IN LIST FOR THIS TASK ICB339
244	(F4)	BITSTRING	1		- RESERVED.
245	(F5)	ADDRESS	3	TCBFOEA	- ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE) IN LIST FOR THIS TASK ICB339
248	(F8)	ADDRESS	4	TCBSWA	- ADDRESS OF FIRST SCHEDULER WORK AREA (SWA) SPQE ON SWA SPQE CHAIN
252	(FC)	ADDRESS	4	TCBSTAWA	- ESTAE ROUTINE WORK AREA POINTER
256	(100)	CHARACTER	4	TCBTBCID	- CONTAINS BLOCK ID - 'TCB '
260	(104)	ADDRESS	4	TCBRTM12	- POINTER TO PARAMETER AREAS PASSED FROM RTM1 TO RTM2
264	(108)	BITSTRING	4	TCBESTAE (0)	- AREA TO CONTAIN RECOVERY DATA FOR RTM
264	(108)	CHARACTER	1	TCBSCBKY	- KEY IN WHICH SYNCH IS TO PASS CONTROL TO THE USER EXIT
265	(109)	BITSTRING	1	TCBESTERM	- ESTAE TERM OPTIONS
		1... ..		TCBETERM	"X'80" - ESTAE EXIT ENTERED WITH TERM OPTION
		.1... ..		TCBSTAFX	"X'40" - SERIALIZED BY TCB ACTIVE
266	(10A)	SIGNED	1	TCBERTYP	- TYPE OF ERROR CAUSING ENTRY TO THE RTM. SET BY RTM1.
267	(10B)	SIGNED	1	TCBMODE	- MASK INDICATING MODE OF SYSTEM AT TIME OF ERROR. SEE IHART1W/MODE FOR INDIVIDUAL BIT DEFINITIONS.
268	(10C)	ADDRESS	4	TCBUKYS	- ADDRESS OF SPQE'S FOR SUBPOOLS 229 AND 230 (USER KEY STORAGE IN THE PRIVATE AREA)
272	(110)	BITSTRING	2	TCBPROP (0)	- Flags propagated
272	(110)	BITSTRING	1	TCBPROP0	- Byte 0 of TCBPROP
		1... ..		TCBBITCB	"X'80" - This task is "below" the initiator TCB
273	(111)	BITSTRING	1	TCBPROP1	- Byte 1 of TCBPROP
274	(112)	BITSTRING	2	TCBAFFN	- CPU AFFINITY INDICATOR
276	(114)	BITSTRING	1	TCBFBYT1	- FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1... ..		TCBEOTFM	"X'80" - END OF TASK FLAG FOR FREEMAIN. SET TO 1 BY TASK TERMINATION AT START OF TERMINATION PROCESSING AND RESET TO 0 AT FINISH. INDICATES THAT A FREEMAIN ON A BLOCK OF LOCAL STORAGE THAT IS STILL FIXED BY RSM SHOULD RESULT IN A RETURN CODE OF 8 RATHER THAN ABNORMAL TERMINATION.
		.1... ..		TCBRTM1E	"X'40" - RTM1 IS CURRENTLY PROCESSING EUT FRR'S FOR THIS TASK
		.1... ..		TCBNDIOS	"X'20" - TASK HAS BEEN SET NONDISPATCHABLE VIA STATUSND WHILE SVC 16 (PURGE) SCANS THE RB CHAIN PURGING APPENDAGE-SCHEDULED ASYNCHRONOUS EXIT ROUTINES RUNNING UNDER AN IRB/RQE OR NON-RESIDENT ERP'S RUNNING UNDER THE SIRB.
		...1 ...		TCBPGNLY	"X'10" - SET BY RTM2 TO INDICATE ONLY PURGE PHASE TO BE PERFORMED
		.... 1...		TCBRTM2	"X'08" - SET BY RTM2 TO INDICATE RTM2 HAS BEEN ENTERED FOR THIS TASK
		.... .1..		TCBEOT	"X'04" - SET BY RTM2 TO INDICATE TO EXIT THAT END OF TASK PROCESSING IS COMPLETE
		.... .1.		TCBSATTN	"X'02" - SYNCHRONIZATION OF ATTENTION INTERRUPT REQUIRED BY EXIT PROLOG
		.... ...1		TCBLLH	"X'01" - Task was interrupted holding the local lock.
277	(115)	BITSTRING	1	TCBFBYT2	- FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1... ..		TCBCNCB	"X'80" - SET BY RTM2 IN THE JOB STEP TCB WHEN IT HAS BEEN ENTERED ON THE TCB FOR AN X22 ABEND
		.1... ..		TCBFMW	"X'40" - MOTHER WAITING FLAG. TURNED ON IN A SUBTASK IN RTM2 PROCESSING WHEN AN ANCESTOR TASK IS WAITING TO ABEND IT.
		.1... ..		TCBFDW	"X'20" - DAUGHTER WAITING FLAG. TURNED ON IN A MOTHER TASK IN RTM2 PROCESSING WHEN A DAUGHTER IS WAITING TO ABEND IT.
		...1 ...		TCBFPRAP	"X'10" - SET BY RTM2 TO PREVENT PERCOLATION TO THE TASK OF AN ASYNCHRONOUS ABEND
		.... 1...		TCBRT1NR	"X'08" - IF 1, ERROR PROPAGATED FROM RTM1 IS NON-RETRYABLE
		.... .1..		TCBECBNV	"X'04" - IF 1, ECB POINTED TO BY TCBECEB IS NOT TO BE VALIDITY CHECKED. IF 0, ECB POINTED TO BY TCBECEB IS TO BE VALIDITY CHECKED.
		.... .1.		TCBSSPC	"X'02" - STATUS STOP PENDING, TASK HOLDS A CML LOCK OR IS IN FUNCTION MUST COMPLETE MODE.
		.... ...1		TCBRTM1C	"X'01" - A TASK WITH EUT FRRS HAS BEEN CANCELLED. THIS FLAG PASSES THE CANCEL REQUEST FROM RTM1 TO RTM2.
278	(116)	BITSTRING	1	TCBFBYT3	- FLAG BYTE
		1... ..		TCBEXP	"X'80" - EXPANDED VERSION OF THE TCB
		.1... ..		TCBNCTL	"X'40" - IF 1, INDICATES USER PROGRAM IS LOADED UNDER THIS TASK OR A LOWER TASK. OWNERSHIP: RACF
		.1... ..		TCBRTMDE	"X'20" - DETACH HAS BEEN CALLED BY RTM
		...1 ...		TCBMTDP	"X'10" - MEMTERM SDUMP
279	(117)	BITSTRING	1	TCBFBYT4	- FLAG BYTE. SERIALIZATION: TCBACTIV.
		1... ..		TCBPMC	"X'80" - IF 1, INDICATES TASK IS IN PROCESS MUST COMPLETE MODE.
		.1... ..		TCBNOJLB	"X'40" - If 1, indicates that TCBJLB is not to be used

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1. 1...		TCBATSCL TCB_KEEP_LS_EXTENT_VALID	"X'20" - If 1, this task's TASKLIB was provided by an authorized attacher "X'08" - If 1, do not unchain and page release a LSS during a Stack Empty (PIC31) exception Ownership: Supervisor
280	(118)	ADDRESS	4	TCBRPT	- ADDRESS OF RADIX PARTITION TREE FOR LOCAL STORAGE MANAGEMENT
284	(11C)	ADDRESS	4	TCBVAT	- ADDRESS OF THE VAT (VSAM). THERE IS ONE VAT PER JOB STEP TCB.
288	(120)	ADDRESS	4	TCBSWASA	- ADDRESS OF SAVE AREA USED BY SWA MANAGER
292	(124)	ADDRESS	4	TCBSVCA2	- ADDRESS OF SVC SCREENING TABLE
296	(128)	ADDRESS	4	TCBERD	EXTENDED REGION DESCRIPTOR. SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
300	(12C)	ADDRESS	4	TCBEAE	EXTENDED ALLOCATED ELEMENT QUEUE ANCHOR. SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
304	(130)	ADDRESS	4	TCBARC	REASON CODE FOR ABEND OWNERSHIP - RTM
308	(134)	SIGNED	4	TCBGRES	- TASK GLOBAL RESOURCE COUNT - NUMBER OF GLOBAL RESOURCES OWNED BY THIS TASK
312	(138)	ADDRESS	4	TCBSTCB	ADDRESS OF STCB
316	(13C)	CHARACTER	8	TCBTTIME	- TCB'S ACCUMULATED CPU TIME
324	(144)	ADDRESS	4	TCBCELAP	- COMMON EXECUTION LIBRARY ANCHOR POINTER
328	(148)	BITSTRING	2	TCBR148	- RESERVED
330	(14A)	BITSTRING	1	TCBRBYT1 TCBPVICT	- RTM Flag byte Ownership: RTM Serialization: Local lock. "X'80" - If 1, indicates that the associated task has received an ABEND13E as a result of Parallel Detach processing. Used by both RTM1 and RTM2.
		.1.		TCBPKING	"X'40" - If 1, indicates that the associated Task has been marked as responsible for the removal of its subtasks (in RTM processing)
		..1.		TCBPCAND	"X'20" - If 1, indicates that this Task has requested Parallel Detach protection and should be on the queue pointed to by ASSBPTAR
		...1		TCBPTOP	"X'10" - If 1, indicates that this Task is at the top of a Task structure that was Parallel Detached
331	(14B)	BITSTRING	1	TCBLEVEL	- LEVEL NUMBER OF TCB
		.... ..1.		TCBVS02A	"X'02" - JBB2110 (NOT IN BASE)
		.... ..1.		TCBVS02B	"X'02" - JBB2125
		.... ..11		TCBVS03	"X'03" - JBB2133
		.... ..11		TCBVERS	"X'03" - LEVEL OF THIS MAPPING
332	(14C)	ADDRESS	4	TCBBDT	- ADDRESS OF BDT'S GSD LINKAGE CONTROL BLOCK
336	(150)	SIGNED	4	TCBNDAXP	- COUNT OF NUMBER OF CONSECUTIVE DISPATCHES REQUIRED ON A CP BEFORE THE TASK SHOULD BE REDISPATCHED ON AN AXP. OWNER: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV BIT OF FIELD TCBSXCT1
340	(154)	ADDRESS	4	TCBSENV	- ADDRESS OF ACEE FOR THE TASK. THE ACEE DESCRIBES THE RACF AUTHORIZATION FOR THE TASK. OWNER: RACF SERIALIZATION: NONE, ONLY UPDATED BY TASK ITSELF
344	(158)	DBL WORD	8	(0)	
344	(158)	X'158'	0	TCBMNLEN	** -TCB" - LENGTH OF MAIN SECTION OF TCB

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TCBXTNT2	, - START OF EXTENSION
0	(0)	ADDRESS	4	TCBGTF (0)	- ADDRESS OF GENERALIZED TRACE FACILITY (GTF) TEMPORARY TRACE BUFFER ICB312
0	(0)	BITSTRING	1	TCBTFLG	- GTF FLAG BYTE ICB312
		1...		TCBASYNC	"X'80" - GTF ASYNCHRONOUS GATHER ROUTINE IS IN CONTROL ICB312
		.1.		TCBERRTN	"X'40" - GTF ASYNCHRONOUS GATHER ERROR ROUTINE IS IN CONTROL ICB312
		..1.		TCBDSPIT	"X'20" - MACHINE CHECK INTERRUPTION HANDLER SHOULD UNCONDITIONALLY BRANCH TO THE DISPATCHER ICB312
1	(1)	ADDRESS	3	TCBGTF A	- ADDRESS OF GTF TEMPORARY TRACE BUFFER ICB312
4	(4)	BITSTRING	1		- RESERVED.
5	(5)	BITSTRING	3	TCBRCMP	- MOST RECENT ABEND COMPLETION CODE (INCLUDING VALID RECURSIONS IN STAE) ICB411
8	(8)	ADDRESS	4	TCBEVENT	- ADDRESS OF EVENT TABLES QUEUE
12	(C)	SIGNED	4	TCBRTMCT	- COUNT OF TOKENS USED FOR ESTAE. SERIALIZATION - CS. OWNERSHIP - RTM.
16	(10)	ADDRESS	4	TCBTQE	- ADDRESS OF A REUSABLE TASK-RELATED TQE
20	(14)	ADDRESS	4	TCBCAUF	- ADDRESS OF SUBSYSTEM FACILITY CONTROL BLOCK
24	(18)	ADDRESS	4	TCBPERCP	- POINTER TO A QUEUE OF SPIS. AN SPI REPRESENTS THE PERCOLATION OF AN SRB'S FRR TO THE RELATED TASK. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK. OWNERSHIP - RTM.
		1...		TCBRCVRY	"X'80" - TASK IS IN RECOVERY. SERIALIZATION - TCBACTIV. OWNERSHIP - RTM.

TCB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	SIGNED	4	TCBPERCT	- COUNT OF SRB MODE FRRS WAITING TO PERCOLATE TO THIS TASK, BUT NOT REPRESENTED IN SPI QUEUE (TCBPERCP). SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK. OWNERSHIP - RTM.
32	(20)	DBL WORD	8	(0)	- FORCE LENGTH EQUATE TO DOUBLE WORD ICB362
32	(20)	X'20'	0	TCBX2LEN	"*-TCBXTNT2" LENGTH OF COMMON EXTENSION
32	(20)	X'198'	0	TCBLEN	"TCBPXLEN+TCBMNLEN+TCBX2LEN" - TCB LENGTH INCLUDING PREFIX END OF TCB

TCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
PNONDISP	AD	40	TCBDARMS	CC	2
TCB	0	20	TCBDARO	CC	8
TCB_KEEP_LS_EXTENT_VALID			TCBDARP	CC	80
	117	8	TCBDARPN	AD	40
TCB_REFRRPROT_OVERRIDE			TCBDARS	CC	40
	14	10	TCBDARTN	AD	80
TCBABCUR	EC		TCBDARWT	CC	4
TCBABD	AE	80	TCBDDRND	AD	8
TCBABE	AE	1	TCBDEB		8
TCBABF	14		TCBDFRBP	14	1
TCBABTIN	AD	1	TCBDMPO	10	20
TCBABTRM	1F	20	TCBDSP		23
TCBABWF	21	40	TCBDSBIT	0	20
TCBACTIV	F0	80	TCBDSS	AE	2
TCBADMP	CB	2	TCBDSSID	EE	F9
TCBADUMP	B4	7	TCBDWSTA	1F	1
TCBAE	9C		TCBDYDSP	94	2
TCBAECB	D4		TCBDYING	EF	80
TCBAFFN	112		TCBDYNAM	B4	A
TCBANDSP	21	10	TCBEAE	12C	
TCBAPG	CA	2	TCBECB	90	
TCBAQE	9C	BC	TCBECBNV	115	4
TCBARC	130		TCBENDINGABNORMALLY		
TCBAREQ	AF	4		EF	4
TCBASYNCR	0	80	TCBENDNG	EF	8
TCBATSKL	117	20	TCBENQRM	1F	2
TCBATT	94	20	TCBEOT	114	4
TCBBACK	DC		TCBEOTFM	114	80
TCBBDT	14C		TCBERD	128	
TCBBITCB	110	80	TCBERRTN	0	40
TCBBITS	C8		TCBERTYP	10A	
TCBCASID	10	8	TCBESTAE	108	
TCBCAUF	14		TCBESTRM	109	
TCBCCPVI	F2		TCBETERM	109	80
TCBCDBL	10	8	TCBEVENT	8	
TCBCELAP	144		TCBEXCPD	C0	
TCBCIND	10	2	TCBEXP	116	80
TCBCLOSD	B4	2	TCBEXSVC	CC	1
TCBCLOSE	B4	3	TCBEXT1	C4	
TCBCLOSF	B4	4	TCBEXT1A	C5	
TCBCMLF	F1	80	TCBEXT2	D0	
TCBCMP	10		TCBEXT2A	D1	
TCBCMPC	11		TCBFABOP	1D	80
TCBCMPF	10		TCBFABOP	1E	20
TCBCMSG	10	1	TCBFBYT1	114	
TCBCNCB	115	80	TCBFBYT2	115	
TCBCOMM	EE	FD	TCBFBYT3	116	
TCBCONVR	B4	32	TCBFBYT4	117	
TCBCPP	10	20	TCBFC	21	80
TCBCPU	CA	20	TCBFCD1	21	2
TCBCPUBN	94	1	TCBFDSOP	1E	4
TCBCREQ	10	80	TCBFDW	115	20
TCBCSTEP	10	40	TCBFEE	1D	40
TCBCWTO	10	4	TCBFERA	1D	20
TCBDAMSG	B4	B	TCBFETXR	1E	2
TCBDAR	CC		TCBFIIX	-20	
TCBDARC	CC	10	TCBFJMC	1E	8
TCBDARD	CC	20	TCBFJMCT	ED	
TCBDARET	B4	33	TCBFLAG	1C	F0
TCBDARMC	CC	10	TCBFLGS	1D	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCBFLGS1	1D		TCBLLH	114	1
TCBFLGS2	1E		TCBLLNEW	F1	40
TCBFLGS3	1F		TCBLLREQ	F0	20
TCBFLGS4	20		TCBLLS	24	
TCBFLGS5	21		TCBLMP	22	
TCBFLGS6	CA		TCBLOGID	EE	F8
TCBFLGS7	CB		TCBLTC	88	
TCBFLGS8	EF		TCBMASTR	EE	FB
TCBFMW	115	40	TCBMCCNS	B4	40
TCBFOE	F4		TCBMDIDS	B0	
TCBFOEA	F5		TCBMESG	B4	9
TCBFOINP	1E	80	TCBMIGR	CA	4
TCBFPRAP	115	10	TCBMNLEN	158	158
TCBFRS	-20		TCBMODE	10B	
TCBFRS0	-20		TCBMOD91	14	80
TCBFRS2	-18		TCBMSS	18	
TCBFRS4	-10		TCBMSSB	19	
TCBFRS6	-8		TCBMTDP	116	10
TCBFS	1D	2	TCBNCTL	116	40
TCBFSA	70		TCBNDAXP	150	
TCBFSAAB	71		TCBNDINT	AF	1
TCBFSA	1F	80	TCBNDIOS	114	20
TCBFSMC	1E	10	TCBNDJL	AC	1
TCBFSTI	1E	40	TCBNDNYI	AF	40
TCBFT	1D	4	TCBNDSMF	AF	2
TCBFTS	1E	1	TCBNDSP	AC	
TCBFX	1D	1	TCBNDSP0	AC	
TCBFXSET	1F	10	TCBNDSP1	AD	
TCBGPECB	CB	80	TCBNDSP2	AE	
TCBGREC	B4	5	TCBNDSP3	AF	
TCBGRES	134		TCBNDSP4	C8	
TCBGRPH	14	20	TCBNDSP5	C9	
TCBGRS	30		TCBND SVC	AE	20
TCBGRS0	30		TCBNDTS	AE	10
TCBGRS1	34		TCBNDUMP	20	80
TCBGRS10	58		TCBNEWRB	B4	35
TCBGRS11	5C		TCBNOCC	10	10
TCBGRS12	60		TCBNOCHK	14	40
TCBGRS13	64		TCBNOIRB	EF	40
TCBGRS14	68		TCBNOJLB	117	40
TCBGRS15	6C		TCBNONPR	1D	10
TCBGRS2	38		TCBNOSTA	B4	30
TCBGRS3	3C		TCBNSSP	E4	
TCBGRS4	40		TCBNSSQA	E4	80
TCBGRS5	44		TCBNSTAE	A0	
TCBGRS6	48		TCBNTC	80	
TCBGRS7	4C		TCBNTJS	CA	1
TCBGRS8	50		TCBOLTEP	14	2
TCBGRS9	54		TCBONDSP	20	1
TCBGTF	0		TCBOPEN	B4	1
TCBGTF	1		TCBOTC	84	
TCBGTOFM	CB	1	TCBOWAIT	AE	4
TCBHALT	A0	8	TCBPAGE	21	20
TCBHCRM	CA	8	TCBPAGID	EE	FF
TCBHNDSP	20	10	TCBPCAND	14A	20
TCBINDRC	B4	E	TCBPDUMP	1D	8
TCBIOBRC	BC		TCBPERCP	18	
TCBIO RMS	EE	FC	TCBPERCT	1C	
TCBIQE	8C		TCBPGNLY	114	10
TCBIWAIT	AE	8	TCBPIE	4	
TCBJES	EE	FA	TCBPIEND	AD	2
TCBJLB	28		TCBPIE17	CA	40
TCBJPQ	2C		TCBPKF	1C	
TCBJPQB	2D		TCBPKING	14A	40
TCBJPQF	2C	80	TCBPMC	117	80
TCBJSCB	B4		TCBPN DSP	21	1
TCBJSCBB	B5		TCBPPSUP	A0	10
TCBJSTCA	7D		TCBPQE	98	B8
TCBJSTCB	7C		TCBPROPF	110	
TCBJTCBA	EF	20	TCBPROP0	110	
TCBKEY9	1F	4	TCBPROP1	111	
TCBLEN	20	198	TCBPTAXE	B4	8
TCBLEVEL	14B		TCBPTOP	14A	10
TCBLJSND	AF	80	TCBPURGE	2C	

TCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCBPVICT	14A	80	TCBTC	14	4
TCBPXLEN	-8	20	TCBTCPP	14	8
TCBQTIP	B4	C	TCBTCT	A4	
TCBQUIES	A0	40	TCBTCTB	A5	
TCBRBP	0		TCBTCTGF	A4	
TCBRBWF	20	4	TCBTDORM	F0	8
TCBRBYT1	14A		TCBTFLG	0	
TCBRCMP	5		TCBTID	EE	
TCBRCVRY	18	80	TCBTIO	C	
TCBRD	98		TCBTIOTG	94	10
TCBREC	B4	80	TCBTME	78	
TCBRECDE	B4		TCBTMSP	AD	4
TCBRPT	118		TCBTQE	10	
TCBRQENA	20	20	TCBTQET	78	80
TCBRSPND	AD	10	TCBTRN	14	
TCBRSTND	AD	20	TCBTRNB	15	
TCBRSTSK	CB	4	TCBTSDP	97	
TCBRSV37	CD		TCBTSTFLG	94	
TCBRTMCT	C		TCBTSLP	96	
TCBRTMDE	116	20	TCBTSTSK	94	80
TCBRTM1C	115	1	TCBTTIME	13C	
TCBRTM1E	114	40	TCBTYP1R	B4	34
TCBRTM12	104		TCBTYP1W	B4	10
TCBRTM2	114	8	TCBUKYS	10C	
TCBRTWA	E0		TCBUSER	A8	
TCBRT1NR	115	8	TCBUXNDF	21	40
TCBRT1S	1F	40	TCBUXNDV	20	8
TCBRV	CA	80	TCBVAT	11C	
TCBRV316	10	4	TCBVERS	14B	3
TCBR148	148		TCBVS02A	14B	2
TCBSATTN	114	2	TCBVS02B	14B	2
TCBSAVCD	B4	F	TCBVS03	14B	3
TCBSCBKY	108		TCBVTAM1	B4	21
TCBSCNDY	AC		TCBVTAM2	B4	22
TCBSDNDX	EF	10	TCBVTAM3	B4	23
TCBSENV	154		TCBVTAM4	B4	24
TCBSENV	CB	40	TCBWTPSE	B4	20
TCBSER	20	40	TCBXLAS	E8	
TCBSLPER	AF	10	TCBXS	D8	
TCBSMCP	94	8	TCBXSCT	F0	
TCBSMFGF	A4	80	TCBXSCT1	F0	
TCBSPVLK	CA	10	TCBXSCT2	F1	
TCBSRBND	AF	20	TCBXTNT2	0	
TCBSSAT	B8		TCBX2LEN	20	20
TCBSSPC	115	2	TCBZERO	1C	F
TCBSTAB	A0		TCB33E	A0	20
TCBSTABB	A1		TNONDISP	AD	80
TCBSTABE	A0	80			
TCBSTACK	CB	10			
TCBSTAFX	109	40			
TCBSTAWA	FC				
TCBSTCB	138				
TCBSTCC	10	10			
TCBSTCUR	A0	1			
TCBSTMCT	CF				
TCBSTP	21	4			
TCBSTPCT	95				
TCBSTPP	AE	40			
TCBSTPPR	94	40			
TCBSTRET	B4	31			
TCBSVCA2	124				
TCBSVCS	CB	8			
TCBSVCSP	CB	20			
TCBSWA	F8				
TCBSWASA	120				
TCBSYERR	EE	FE			
TCBSYNCH	A0	4			
TCBSYS	21	8			
TCBSYSCT	CE				
TCBS3A	F0	40			
TCBS3MR	AF	8			
TCBTCAMP	B4	D			
TCBTCB	74				
TCBTCBID	100				

TCCW Information

TCCW Heading Information

Common Name: Translation Control Block
Macro ID: IECDTCCW
DSECT Name: TCCW
Owning Component: Execute Channel Program Processor (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Below 16Mb
Size: 160 or 248 bytes (if bit TCCWLBLK is on, then the block is 248 bytes)
Created by: Callers of the CCW translation module (IECVTCCW)
Pointed to by: RQETCCW field of the RQE data area
Serialization: LOCAL lock
Function: The TCCW block is the translation control block which contains all the information required to translate virtual CCWS to real CCWS, re-translate addresses or unfix data areas. This block is provided by the caller of the CCW translator. The caller can provide either an 160 byte or 248 byte block (248 byte block preferred).

TCCW Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TCCW	
0	(0)	ADDRESS	4	TCCWTCB	TCB address associated with request
4	(4)	BITSTRING	1	TCCWOPTN	CCW Translation option byte and TCCW error return codes.....
Comment					
TCCW translation options-----					
End of Comment					
	....	....		TCCWXLAT	"X'00" .Translate CCWs
	....	.1..		TCCWCSWX	"X'04" .Translate CSW or passes address
	....	1..		TCCWUNFX	"X'08" .Unfix data area - Set up free list
	....	11..		TCCWGTMN	"X'0C" .TCCW block request to caller and return to continue
	...1	....		TCCWSATR	"X'10" .Single address translation
Comment					
TCCW error return codes-----					
End of Comment					
		1..	....	TCCWPGER	"X'80" .Page fix error
		1..1	....	TCCWTRER	"X'90" .translation error
		1.1.	....	TCCWIDAE	"X'A0" .IDA bit error in virtual Chan Pgm
		1.11	....	TCCWPRIV	"X'B0" .Privileged CCW
		11..	....	TCCWERRC	"X'CO" .Reserved
		11.1	....	TCCWVMER	"X'D0" .Valmap error
		111.	....	TCCWVLER	"X'E0" .Val ck error in virtual chan pgm
		1111	....	TCCWERRF	"X'F0" .Reserved
5	(5)	ADDRESS	3	TCCWUCB	Associated UCB address
8	(8)	ADDRESS	4	TCCWBEB	1st BEB block address
12	(C)	ADDRESS	4	TCCWFIX	1st Fix list block address
16	(10)	ADDRESS	4	TCCWFVC	1st virtual CCW address
20	(14)	ADDRESS	4	TCCWFRC	1st real CCW address
24	(18)	ADDRESS	4	TCCWPLKR	Next available Fix entry address
28	(1C)	ADDRESS	4	TCCWINDA	1st IDAL block address
32	(20)	ADDRESS	4	TCCWTICL	Unresolved TIC list address
36	(24)	ADDRESS	4	TCCWINDR	Next available IDAW entry address
40	(28)	ADDRESS	4	TCCWCCWR	Next available real CCW address
44	(2C)	BITSTRING	1	TCCWMOdB	Translator flag byte-----
		1..	....	TCCWFCHN	"X'80" - Free block chain constructed
		.1..	....	TCCWVLCK	"X'40" - Virtual CP validity check

TCCW Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		TCCWLBLK	"X'20" - 248 byte large block provided
		...1		TCCWNVAL	"X'10" - Skip privileged operation checking
		.... 1...		TCCWIDAX	"X'08" - 4K 8-byte IDAWs
		.... .1..		TCCWPC10	"X'04" - An invalid IDAL entry required
		.... ..1.		TCCWPGCK	"X'02" - Page fix/unfixing active
		.... ...1		TCCWVIDA	"X'01" - Virtual IDAW with bit 0 on
45	(2D)	BITSTRING	1	TCCWCCWL	Number of CCW entries left in BEB
46	(2E)	BITSTRING	1	TCCWINDL	Number of IDAW entries left in IDAL
47	(2F)	BITSTRING	1	TCCWEFOP	Numeric portion of current command
48	(30)	ADDRESS	4	TCCWCCWA	Next virtual CCW address
52	(34)	ADDRESS	4	TCCWTICA	TIC-ed to address
56	(38)	ADDRESS	4	TCCWLOCA	Low compare address
60	(3C)	ADDRESS	4	TCCWHICA	High compare address
64	(40)	ADDRESS	4	TCCWCBEA	Current BEB pointer
68	(44)	ADDRESS	4	TCCWOPTR (0)	Previous CCW address and cmd code
68	(44)	BITSTRING	1	TCCWOPBT	Previous CCW operation command code
69	(45)	ADDRESS	3	TCCWPCCW	Previous CCW address
72	(48)	BITSTRING	32	TCCWSAVE (0)	Additional block request save area
72	(48)	ADDRESS	4	TCCWSAVD	- Save area for register 13
76	(4C)	ADDRESS	4	TCCWSAV4	- Save area for register 4
80	(50)	ADDRESS	4	TCCWSAV5	- Save area for register 5
84	(54)	ADDRESS	4	TCCWSAV6	- Save area for register 6
88	(58)	ADDRESS	4	TCCWSAV7	- Save area for register 7
92	(5C)	ADDRESS	4	TCCWSAV8	- Save area for register 8
96	(60)	ADDRESS	4	TCCWSAV9	- Save area for register 9
100	(64)	ADDRESS	4	TCCWSAVA	- Save area for register 10
104	(68)	BITSTRING	56	TCCWRGSV (0)	Translator register save area
104	(68)	ADDRESS	4	TCCWREG1	- Save area for register 1
108	(6C)	ADDRESS	4	TCCWREG2	- Save area for register 2
112	(70)	ADDRESS	4	TCCWREG3	- Save area for register 3
116	(74)	ADDRESS	4	TCCWREG4	- Save area for register 4
120	(78)	ADDRESS	4	TCCWREG5	- Save area for register 5
124	(7C)	ADDRESS	4	TCCWREG6	- Save area for register 6
128	(80)	ADDRESS	4	TCCWREG7	- Save area for register 7
132	(84)	ADDRESS	4	TCCWREG8	- Save area for register 8
136	(88)	ADDRESS	4	TCCWREG9	- Save area for register 9
140	(8C)	ADDRESS	4	TCCWREGA	- Save area for register 10
144	(90)	ADDRESS	4	TCCWREGB	- Save area for register 11
148	(94)	ADDRESS	4	TCCWREGC	- Save area for register 12
152	(98)	ADDRESS	4	TCCWREGD	- Save area for register 13
156	(9C)	ADDRESS	4	TCCWREG E	- Save area for register 14
156	(9C)	X'AO'	0	TCCWBL	"*-TCCW" TCCW block length
160	(A0)	ADDRESS	4	TCCWREGX (4)	- Remaining save area (used by IECVPBLK)
176	(B0)	ADDRESS	4	TCCWLSTA	- Lowest beginning address
180	(B4)	ADDRESS	4	TCCWHSTA	- Highest ending address

Comment

The following fields are used to manage the blocks that are obtained from the requestor's private area. These blocks are used as BEBs.

End of Comment

184	(B8)	ADDRESS	4	TCCWPAGF	- Address of first page
188	(BC)	ADDRESS	4	TCCWPAGL	- Address of last page
192	(C0)	BITSTRING	1	TCCWBLKN	- Index of next block in last private block
193	(C1)	BITSTRING	1	TCCWRESV	- Reserved
194	(C2)	BITSTRING	2	TCCWL BCT	- Count of IECVEXSM managed large blocks used by this request

Comment

The RQEX is placed immediately after the TCCW in a large block. For this reason, the TCCW can never be expanded such that the RQEX and TCCW no longer fit in a single large block.

End of Comment

TCCW Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCCW	0		TCCWUCB	5	
TCCWBEB	8		TCCWUNFX	4	8
TCCWBL	9C	A0	TCCWVIDA	2C	1
TCCWBLKN	C0		TCCWVLCK	2C	40
TCCWCBE	40		TCCWVLER	4	E0
TCCWCCWA	30		TCCWVMER	4	D0
TCCWCCWL	2D		TCCWXLAT	4	0
TCCWCCWR	28				
TCCWCSWX	4	4			
TCCWEFOP	2F				
TCCWERRC	4	C0			
TCCWERRF	4	F0			
TCCWFCHN	2C	80			
TCCWFIX	C				
TCCWFRC	14				
TCCWFVC	10				
TCCWGTMN	4	C			
TCCWHICA	3C				
TCCWHSTA	B4				
TCCWIDAE	4	A0			
TCCWIDAX	2C	8			
TCCWINDA	1C				
TCCWINDL	2E				
TCCWINDR	24				
TCCWLBC	C2				
TCCWLBLK	2C	20			
TCCWLOCA	38				
TCCWLSTA	B0				
TCCWMOB	2C				
TCCWNVAL	2C	10			
TCCWOPBT	44				
TCCWOPTN	4				
TCCWOPTR	44				
TCCWPAGF	B8				
TCCWPAGL	BC				
TCCWPCCW	45				
TCCWPC10	2C	4			
TCCWPGCK	2C	2			
TCCWPGER	4	80			
TCCWPLKR	18				
TCCWPRIV	4	B0			
TCCWREGA	8C				
TCCWREGB	90				
TCCWREGC	94				
TCCWREGD	98				
TCCWREG	9C				
TCCWREGX	A0				
TCCWREG1	68				
TCCWREG2	6C				
TCCWREG3	70				
TCCWREG4	74				
TCCWREG5	78				
TCCWREG6	7C				
TCCWREG7	80				
TCCWREG8	84				
TCCWREG9	88				
TCCWRESV	C1				
TCCWRGSV	68				
TCCWSATR	4	10			
TCCWSAVA	64				
TCCWSAVD	48				
TCCWSAVE	48				
TCCWSAV4	4C				
TCCWSAV5	50				
TCCWSAV6	54				
TCCWSAV7	58				
TCCWSAV8	5C				
TCCWSAV9	60				
TCCWTCB	0				
TCCWTICA	34				
TCCWTICL	20				
TCCWTRER	4	90			

TCT Information

TCT Programming Interface information

Programming Interface information

TCT

ONLY the following field is part of the programming interface information:

- TCTJMR

End of Programming Interface information

TCT Heading Information • TCT Map

TCT Heading Information

Common Name: SMF TIMING CONTROL TABLE
Macro ID: IEFTCT
DSECT Name: SMFTCT
Owning Component: System Management Facilities (SC100)
Eye-Catcher ID: "TCT "
 Offset: 208 ('D0' in hex)
 Length: 8 bytes
Storage Attributes: Subpool: 255
 Key: 0
 Residency: Below
Size: The common area is
 704 bytes ('2C0' in hex)
 FREQUENCY = 1 per address space
Created by: IEFSMFIE
Pointed to by: TCBTCT
Serialization: Compare and Swap on some fields.
Function: This mapping macro is composed of three control blocks (TCT, TCT I/O Measurement table, and Extended TCT I/O table). The TCT consists of a common section (SMFTCT), storage table (TCTCORE), OpenMVS Process table (TCTOMVS), and ARM table (TCTARM). SMFTCT and TCTCORE are one structure and are contiguous in storage. TCTOMVS is not contiguous with SMFTCT or TCTCORE. However, the TCTOMVS and TCTARM are contiguous. The TCT I/O Measurement table (TCTTIOT) and Extended TCT I/O table (ETCTIOT) areas are separate structures, mapped within the IEFTCT mapping macro, and pointed to from fields within the TCT. However, they are NOT contiguous in storage to the TCT or each other.

TCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	SMFTCT	, - START OF TCT
0	(0)	CHARACTER	3	TCTQA	- QUEUE ADDRESS OF TCT
3	(3)	BITSTRING	1	TCTEXP (0)	- JOB/STEP TIME INDICATOR MASK
3	(3)	BITSTRING	1	TCTSW	- TCT SWITCHES
		1...		TCTJUSTI	"BIT0" - TQE JOB/STEP TIME INDICATOR. IF 0, TQE CONTAINS STEP TIME. IF 1, TQE CONTAINS JOB TIME.
		.1..		TCTIEX	"BIT1" - ERROR IN TCT I/O TABLE I/O COUNTS (OS/VS2) MDC017
		..1.		TCTISK30	"BIT2,,C'X'" - TYPE 30 INTERVAL RECORD SKIPPED
		...1		TCTISK32	"BIT3,,C'X'" - TYPE 32 INTERVAL RECORD SKIPPED
		.... 1..		TCTIABD	"BIT4,,C'X'" - PREVIOUS INTERVAL ABENDED
		.... .1..		TCTSTPRN	"BIT5,,C'X'" - STEP RAN INDICATOR
		.... ..1.		TCTACTRT	"BIT6,,C'X'" - IEFACTRT IN CONTROL INDICATOR
		.... ...1		TCTDCOPN	"BIT7,,C'X'" - DMPCHCK RTN IN CONTROL INDICATOR
4	(4)	ADDRESS	4	TCTTCB	- ADDRESS OF THE INITIATOR TCB
8	(8)	ADDRESS	4	TCTCRTBL	- ADDRESS OF THE TCT STORAGE TABLE
12	(C)	ADDRESS	4	TCTIOTBL	- ADDRESS OF THE TCT I/O TABLE. TCT I/O TABLE IS NOT NECESSARILY CONTIGUOUS WITH THE TCT.
16	(10)	SIGNED	4	TCTPOOL (0)	- SUBPOOL/LENGTH FOR TCT PROPER
16	(10)	SIGNED	2		- SUBPOOL IN WHICH THE TCT RESIDES
18	(12)	SIGNED	2	TCTSZE	- SIZE IN BYTES OF THE TCT AND THE TCT STORAGE TABLE
20	(14)	ADDRESS	4	TCTUTL	- ADDRESS OF USER TIME LIMIT ROUTINE
24	(18)	ADDRESS	4	TCTUDATA	- ADDRESS OF A ONE-WORD PARAMETER LIST WHICH POINTS TO THE JOB MANAGEMENT RECORD (JMR)
28	(1C)	ADDRESS	4	TCTJMR	- ADDRESS OF THE JOB MANAGEMENT RECORD
32	(20)	SIGNED	4	TCTCPUS (0)	ACCUM SESSION CPU SERVICE(OS/VS2)
32	(20)	BITSTRING	4	TCTRSV08	- *** TCTUSO FIELD RESERVED IN OS/VS ***
36	(24)	SIGNED	4	TCTJUSTX (0)	- AMOUNT OF TIME THAT JOB OR STEP HAS BEEN EXTENDED BY USER EXIT IEFUTL (32-BIT UNSIGNED BINARY NUMBER) (OS/VS2) MDC005
36	(24)	SIGNED	4	TCTSTOF	- OVERFLOW FIELD FOR USER-SUPPLIED STEP TIME EXTENSIONS (OS/VS1) MDC001
40	(28)	SIGNED	4	TCTTJLM (0)	- CONTAINS REMAINING JOB TIME (32-BIT UNSIGNED BINARY NUMBER) (OS/VS2) MDC006
40	(28)	SIGNED	4	TCTSACT	- A RUNNING TOTAL OF THE USER-SUPPLIED STEP TIME EXTENSIONS EXPRESSED IN TIMER UNITS (OS/VS1) MDC002
44	(2C)	SIGNED	4	TCTIOCS (0)	ACCUM SESSION I/O SERVICE(OS/VS2)

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
44	(2C)	SIGNED	4	TCTWLMT	- THE JOB OR STEP MAXIMUM WAIT TIME LIMIT AS SPECIFIED IN SMFDFEFLT, EXPRESSED IN TIMER UNITS (OS/V51) RESERVED - SET TO ZERO (OS/V52) MDC016
48	(30)	SIGNED	4	TCTLIN	- TSO - COUNT OF LINES OF TERMINAL INPUT
52	(34)	SIGNED	4	TCTLOUT	- TSO - COUNT OF LINES OF TERMINAL OUTPUT
56	(38)	SIGNED	4	TCTAST	- THE TIME OF DAY (TO ONE HUNDREDTH OF A SECOND) THAT DEVICE ALLOCATION STARTED ICB365
60	(3C)	SIGNED	4	TCTPPST	- THE TIME OF DAY (TO ONE HUNDREDTH OF A SECOND) THAT THE PROBLEM PROGRAM WAS INITIALLY LOADED INTO MAIN STORAGE ICB365
64	(40)	CHARACTER	20	TCTPGSMF (0)	- SMF REGION-RELATED STATISTICS (OS/V51) MDC007
64	(40)	SIGNED	4	TCTAJS (0)	- ACCUMULATED SESSION SERVICE TIME (OS/V52) (MDC019) YM7459
64	(40)	SIGNED	4	TCTPGIN	- TOTAL PAGE-INS FOR THIS REGION (INCLUDING SWAP-INS) (OS/V51) MDC007
68	(44)	SIGNED	4	TCTACT (0)	- ACCUMULATED ACTIVE TIME (OS/V52) (MDC020) YM7459
68	(44)	SIGNED	4	TCTPGOUT	- TOTAL PAGE-OUTS FOR THIS REGION (INCLUDING SWAP-OUTS) (OS/V51) MDC008
72	(48)	SIGNED	4	TCTATR (0)	- ACCUMULATED TRANSACTION RESIDENCY TIME (OS/V52) (MDC302)
72	(48)	SIGNED	4	TCTRGN	- TOTAL SWAPS PERFORMED FOR THIS TSO USER (SWAP-INS + SWAP-OUTS) (OS/V51) MDC009
76	(4C)	SIGNED	4	TCTMSOS (0)	ACCUM SESSION MAIN STORAGE SERVICE (OS/V52)
76	(4C)	SIGNED	4	TCTSIN	- TOTAL PAGES SWAPPED-IN FOR THIS TSO USER (OS/V51) MDC010
80	(50)	SIGNED	4	TCTSRBS (0)	ACCUM SESSION SRB SERVICE (OS/V52)
80	(50)	SIGNED	4	TCTSOUT	- TOTAL PAGES SWAPPED-OUT FOR THIS TSO USER (OS/V51) MDC011
84	(54)	SIGNED	4	TCTPDASD	- NO OF MOUNTS FOR NONSPECIFIC DASD
88	(58)	SIGNED	4	TCTRDASD	- NO OF MOUNTS FOR SPECIFIC DASD
92	(5C)	SIGNED	4	TCTPTAPE	- NO OF MOUNTS FOR NONSPECIFIC TAPE
96	(60)	SIGNED	4	TCTRTAPE	- NO OF MOUNTS FOR SPECIFIC TAPE
100	(64)	SIGNED	4	TCTPMSS	- NO OF MOUNTS FOR NONSPECIFIC MSS
104	(68)	SIGNED	4	TCTRMSS	- NO OF MOUNTS FOR SPECIFIC MSS
108	(6C)	SIGNED	4	TCTEJST	- LAST VALUE OF ELAPSED TCB TIME
112	(70)	SIGNED	4	TCTSRBT	- LAST VALUE OF ELAPSED SRB TIME
116	(74)	SIGNED	4	TCTSVTEP	- LAST VALUE OF TOTAL BLOCK COUNT
120	(78)	SIGNED	4	TCTLNSV	- LAST VALUE OF TPUT COUNT
124	(7C)	SIGNED	4	TCTLOUTS	- LAST VALUE OF TGET COUNT
128	(80)	SIGNED	4	TCTTRAN	- LAST VALUE OF FOREGROUND TRANS
132	(84)	SIGNED	4	TCTITCB	- INITIATOR TCB TIME
136	(88)	SIGNED	4	TCTISRB	- INITIATOR SRB TIME
140	(8C)	SIGNED	4	TCTT30J	- ADDRESS OF JOB TOTAL TYPE 30 RCD
144	(90)	SIGNED	4	TCTT30S	- ADDRESS OF STEP TOTAL TYPE 30 RCD
148	(94)	SIGNED	4	TCTT30H	- ADDRESS OF EXCP HOLD TYPE 30 RCD
152	(98)	SIGNED	4	TCTLCTAD	- ADDRESS OF LCT
156	(9C)	SIGNED	4	TCTT32J	- ADDRESS OF JOB TOTAL TYPE 32 RCD
160	(A0)	SIGNED	4	TCTT32S	- ADDRESS OF STEP TOTAL TYPE 32 RCD
164	(A4)	SIGNED	4	TCT32SP	- SUBPOOL AND SIZE OF TYPE 32 RCDS
168	(A8)	SIGNED	4	TCT32BLK	- ADDRESS OF DETAIL CONTROL BLOCK
172	(AC)	SIGNED	4	TCTLRRCT	- LAST VALUE OF THE ADDRESS SPACE RE-READ COUNT
176	(B0)	SIGNED	4	TCTIOSAV	- ADDRESS OF SAVE AREA FOR IEASMFEX
180	(B4)	SIGNED	4	TCTDCTI	- LAST VALUE OF DEVICE CONNECT TIME
184	(B8)	SIGNED	4	TCTTIMER	- ADDRESS OF SMF TIMER ELEMENT
188	(BC)	SIGNED	4	TCTMRSP	- SUBPOOL AND SIZE OF TIMER ELT
192	(C0)	SIGNED	4	TCTPARMS	- ADDRESS OF TIMER PARAMETER LIST
196	(C4)	SIGNED	4	TCTPRMSP	- SUBPOOL AND SIZE OF PARM LIST
200	(C8)	CHARACTER	8	TCTSNAM	STEP NAME OF CURRENT STEP
208	(D0)	CHARACTER	8	TCTTCT	TCT IDENTIFIER FIELD
216	(D8)	SIGNED	4	TCTMSCT	- NUMBER OF TIMES I/O MEASUREMENTS HAVE BEEN TURNED OFF AT JOB START
		1...		TCTMSOFF	"X'80" I/O MEASUREMENTS ARE ON
220	(DC)	SIGNED	4	TCTEIIP	- ELAPSED I/O INTERRUPT TIME
224	(E0)	SIGNED	4	TCTERCT	- ELAPSED RCT CPU TIME
228	(E4)	SIGNED	4	TCTRQSV	Pointer to sysevent REQSVDAT parameter list
232	(E8)	SIGNED	4	TCTE39PP	Pointer to sysevent REQPGDAT parameter list
236	(EC)	SIGNED	4	TCTER0EC	Reserved, was TCTIOTLW
240	(F0)	SIGNED	4	TCTADMFW	Number of pages moved with ADMF WRITE
244	(F4)	SIGNED	4	TCTADMFR	Number of pages moved with ADMF READ
248	(F8)	SIGNED	4	TCTEHPT	- ELAPSED HIPERSPACE PROCESSING TIME
252	(FC)	SIGNED	4	TCTER0FC	- RESERVED, WAS TCTEVFUT
256	(100)	SIGNED	4	TCTER100	- RESERVED, WAS TCTEVFAT
260	(104)	SIGNED	4	TCTIR104	- RESERVED, WAS TCTIVFUT
264	(108)	SIGNED	4	TCTIR108	- RESERVED, WAS TCTIVFAT
268	(10C)	SIGNED	4	TCTINTST	- INTERVAL START TIME
272	(110)	SIGNED	4	TCTINTDT	- INTERVAL START DATE
276	(114)	CHARACTER	32	TCTEINFO (0)	ETCTIOT INFORMATION
276	(114)	SIGNED	4	TCTFETIO	- ADDRESS OF FIRST ETCTIOT BLOCK

TCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
280	(118)	SIGNED	4	TCTLETIO	- ADDRESS OF LAST ETCTIOT BLOCK
284	(11C)	SIGNED	2	TCTESUBP	- ETCTIOT SUBPOOL
286	(11E)	SIGNED	2	TCTELEN	- LENGTH OF ONE ETCTIOT BLOCK
288	(120)	SIGNED	4	TCTEBLK	- NUMBER OF ETCTIOT 4K BLOCKS
292	(124)	SIGNED	4	TCTEFAVL	- 1ST AVAILABLE ETCTIOT TOKEN
296	(128)	SIGNED	4	TCTELAVL	- LAST AVAILABLE ETCTIOT TOKEN
300	(12C)	SIGNED	4	TCTENAVL	- NUMBER OF AVAILABLE ETCTIOT ENTRIES
304	(130)	CHARACTER	4	TCTEFLGS	- ETCTIOT FLAGS
		1...		TCTCOMP	"X'80" - TCTIOT BEING MOVED INDICATOR
		.1..		TCTDUMMY	"X'40" - When set by IEFIB660, this flag represents a Dummy TCTIOT. It will be checked by IEFDB4F9.
308	(134)	SIGNED	4	TCTANSC	- INTEGRATED CRYPTO SERVICE COUNT
312	(138)	BITSTRING	1	TCTTMRFL (2)	PREVIOUS INTERVAL TIMER BIT FLAGS
		1...		TCTCTF	"X'80" SMF30CPT TIMER INVALID
		.1..		TCTCSF	"X'40" SMF30CPS TIMER INVALID
		..1.		TCTVUF	"X'20" SMF30JVU TIMER INVALID
		...1		TCTVAF	"X'10" SMF30JVA TIMER INVALID
		.... 1..		TCTISF	"X'08" SMF30ISB TIMER INVALID
		.... .1.		TCTICF	"X'04" SMF30ICU TIMER INVALID
		.... ..1.		TCTIVF	"X'02" SMF30IVU TIMER INVALID
		1... ..1		TCTIAF	"X'01" SMF30IVA TIMER INVALID
		.... ....		TCTIIF	"X'80" SMF30IIP TIMER INVALID
		.1..		TCTHPF	"X'40" SMF30HPT TIMER INVALID
		..1.		TCTRCF	"X'20" SMF30RCT TIMER INVALID
		...1		TCTASF	"X'10" SMF30ASR TIMER INVALID
		.... 1..		TCTENF	"X'08" SMF30ENC TIMER INVALID
		.... .1.		TCTDEF	"X'04" SMF30DET TIMER INVALID
314	(13A)	BITSTRING	1	TCTFLGS	TCT Flags
		1...		TCTTCT2	"X'80" DSABTCT2 should be used to contain the offset to the lookup table entry
315	(13B)	BITSTRING	1	TCTSRMSP	Subpool for TCTRQSV, TCTE39PP
316	(13C)	SIGNED	4	TCTT33SP	Address of Type 33 TP Work Area
320	(140)	SIGNED	4	TCTT33J	Address of Type 33 TP JOB Record
324	(144)	SIGNED	4	TCTT33S	Address of Type 33 TP STEP Record
328	(148)	SIGNED	4	TCTTPTYP	APPC TP Type (Standard/Multi)
332	(14C)	SIGNED	4	TCTTPTCB	Last Value of TCB Time for TP
336	(150)	SIGNED	4	TCTTPSRB	Last Value of SRB Time for TP
340	(154)	SIGNED	4	TCTTPEXP	Last Value of EXCP Count for TP
344	(158)	SIGNED	4	TCTTPDCT	Last Value of Dev Conn Time for TP
348	(15C)	SIGNED	4	TCTTPNUM	Number of Transactions Processed
352	(160)	SIGNED	4	TCTTPCON	Number of Conversations
356	(164)	SIGNED	4	TCTTPTAC	Number of Active Cons
360	(168)	SIGNED	4	TCTTPCNA	Number of Cons Allocated
364	(16C)	SIGNED	4	TCTTPSEN	Number of Sends for TP
368	(170)	CHARACTER	8	TCTTPDAT	Amount of Data Sent
376	(178)	SIGNED	4	TCTTPREC	Number of Recvs for TP
380	(17C)	CHARACTER	8	TCTTPDAR	Amount of Data Received
388	(184)	CHARACTER	4	TCTSUBNM	Scheduler of Job
392	(188)	ADDRESS	4	TCTOMVSP	Address of TCTOMVS Table
396	(18C)	ADDRESS	4	TCTT30PH	Address of T30AREA for Process Data
400	(190)	ADDRESS	4	TCTT30SE	Address of T30AREA for Step EXCP Data
404	(194)	ADDRESS	4	TCTT30SP	Address of T30AREA for Step Process Data
408	(198)	ADDRESS	4	TCTT30JE	Address of T30AREA for Job EXCP Data
412	(19C)	ADDRESS	4	TCTT30JP	Address of T30AREA for Job Process Data
416	(1A0)	CHARACTER	8	TCTISS	SMF Interval Start Time (STCK Format)
424	(1A8)	SIGNED	4	TCT30CN	Last Number of Conversations
428	(1AC)	SIGNED	4	TCT30CNA	Last Number of Cons Allocated
432	(1B0)	SIGNED	4	TCT30SEN	Last Number of Sends for TP
436	(1B4)	CHARACTER	8	TCT30DAT	Last Amount of Data Sent
444	(1BC)	SIGNED	4	TCT30REC	Last Number of Recvs for TP
448	(1C0)	CHARACTER	8	TCT30DAR	Last Amount of Data Received
456	(1C8)	SIGNED	4	TCT30ATR	Last Number of Transactions Processed
460	(1CC)	SIGNED	4	TCTUACL	Usage ACA Lockword
464	(1D0)	ADDRESS	4	TCTUACA	Address of First ACA for job
468	(1D4)	ADDRESS	4	TCTUTCAC	Addr of 1st TCA on consolidated chain
472	(1D8)	ADDRESS	4	TCTUTCA	Address of First TCA on chain
476	(1DC)	ADDRESS	4	TCTUFCAC	Addr of 1st FCA on consolidated chain
480	(1E0)	ADDRESS	4	TCTUFCA	Address of First FCA on chain
484	(1E4)	SIGNED	4	TCTRSMGT	Usage RESMGR Token
488	(1E8)	ADDRESS	4	TCTUTIMR	Usage Timer Element
492	(1EC)	ADDRESS	4	TCTUTPRM	Usage Timer ParmArea
496	(1F0)	ADDRESS	4	TCTT30UH	Address of T30AREA Hold area for Usage Entries
500	(1F4)	ADDRESS	4	TCTT30US	Address of T30AREA Step Hold Area for Usage Entries
504	(1F8)	ADDRESS	4	TCTT30UJ	Address of T30AREA Job Hold Area for Usage Entries
508	(1FC)	ADDRESS	4	TCTARMP	Address of TCTARM table

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
512	(200)	ADDRESS	4	TCTT30AH	Address of T30AREA for ARM Data
516	(204)	ADDRESS	4	TCTT30SA	Address of T30AREA for Step ARM Data
520	(208)	ADDRESS	4	TCTT30JA	Address of T30AREA for Job ARM Data
524	(20C)	SIGNED	4	TCTASST	Additional SRB Service Time
528	(210)	SIGNED	4	TCTECPT	Enclave CPU Time
532	(214)	SIGNED	4	TCTETIM	Enclave Transaction Active Time
536	(218)	SIGNED	4	TCTECPU	Enclave CPU Service Units
540	(21C)	SIGNED	4	TCTETC	Enclave Transaction Count
544	(220)	SIGNED	4	TCTASSTC	Additional SRB Service Time (Cumulative)
548	(224)	SIGNED	4	TCTECPTC	Enclave CPU Time (Cumulative) including dependent enclave time
552	(228)	SIGNED	4	TCTDET	Dependent enclave CPU time
556	(22C)	SIGNED	4	TCT30AIC	Saved copy of RQSVAIC
560	(230)	SIGNED	4	TCT30AID	Saved copy of RQSVAID
564	(234)	SIGNED	4	TCT30AIW	Saved copy of RQSVAIW
568	(238)	SIGNED	4	TCT30AIS	Saved copy of RQSVAIS
572	(23C)	SIGNED	4	TCT30EIC	Saved copy of RQSVEIC
576	(240)	SIGNED	4	TCT30EID	Saved copy of RQSVEID
580	(244)	SIGNED	4	TCT30EIW	Saved copy of RQSVEIW
584	(248)	SIGNED	4	TCT30EIS	Saved copy of RQSVEIS
588	(24C)	SIGNED	4	TCTT30SR	Address of STEP area for Remote System Data entries.
592	(250)	SIGNED	4	TCTT30JR	Address of JOB area for Remote System Data entries.
596	(254)	SIGNED	4	TCT_TIME_ON_IFA	Work unit on IFA
600	(258)	SIGNED	4	TCT_TIME_IFA_ON_CP	IFA-eligible work unit on CP
604	(25C)	SIGNED	4	TCT_ENCLAVE_TIME_ON_IFA	Work unit on IFA
608	(260)	SIGNED	4	TCT_ENCLAVE_TIME_IFA_ON_CP	IFA-eligible work unit on CP
612	(264)	SIGNED	4	TCT_DEP_ENCLAVE_TIME_ON_IFA	Work unit on IFA
616	(268)	SIGNED	4	TCT_DEP_ENCLAVE_TIME_IFA_ON_CP	IFA-eligible work unit on CP
620	(26C)	SIGNED	4	TCTTMRFL2	More failure flags
Comment					
TCTTMRFL2 byte 0					
End of Comment					
	1... ..			TCT_TIME_ON_IFA_F	"X'80" Failure flag
	.1.			TCT_TIME_IFA_ON_CP_F	"X'40" Failure flag
	..1.			TCT_ENCLAVE_TIME_ON_IFA_F	"X'20" Failure flag
	...1			TCT_ENCLAVE_TIME_IFA_ON_CP_F	"X'10" Failure flag
	.... 1...			TCT_DEP_ENCLAVE_TIME_ON_IFA_F	"X'08" Failure flag
	.... .1..			TCT_DEP_ENCLAVE_TIME_IFA_ON_CP_F	"X'04" Failure flag
	.... ..1.			TCT_TIME_ON_CP_F	"X'02" Failure flag
	.... ...1			TCT_ENCLAVE_TIME_ON_CP_F	"X'01" Failure flag
Comment					
TCTTMRFL2 byte 1					
End of Comment					
	1... ..			TCT_DEP_ENCLAVE_TIME_ON_CP_F	"X'80" Failure flag
	.1.			TCT_CEPI_F	"X'40" Failure flag
	..1.			TCT_CRP_F	"X'20" Failure flag
Comment					
TCTTMRFL2 byte 2					
End of Comment					
	1... ..			TCT_TIME_ON_SUP_F	

TCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		TCT_TIME_SUP_ON_CP_F	"X'80" Failure flag
		..1.		TCT_ENCLAVE_TIME_ON_SUP_F	"X'40" Failure flag
		...1		TCT_ENCLAVE_TIME_SUP_ON_CP_F	"X'20" Failure flag
		.... 1...		TCT_DEPENC_TIME_ON_SUP_F	"X'10" Failure flag
		.... .1..		TCT_DEPENC_TIME_SUP_ON_CP_F	"X'08" Failure flag
					"X'04" Failure flag
Comment					
TCTTMRFL2 byte 3					
End of Comment					
		1...		TCT_ENCLAVE_TIME_SUP_QUAL_F	"X'80" Failure flag
		.1..		TCT_DEPENC_TIME_SUP_QUAL_F	"X'40" Failure flag
624	(270)	SIGNED	4	TCT_TIME_ON_CP	Work unit on CP
628	(274)	SIGNED	4	TCT_ENCLAVE_TIME_ON_CP	Work unit on CP
632	(278)	SIGNED	4	TCT_DEP_ENCLAVE_TIME_ON_CP	Work unit on CP
636	(27C)	SIGNED	4	TCT_GEPI	SMF30CEPI
640	(280)	SIGNED	4	TCT_TIME_ON_SUP	Work unit on SUP
644	(284)	SIGNED	4	TCT_TIME_SUP_ON_CP	SUP-eligible work unit on CP
648	(288)	SIGNED	4	TCT_ENCLAVE_TIME_ON_SUP	Work unit on SUP
652	(28C)	SIGNED	4	TCT_ENCLAVE_TIME_SUP_ON_CP	SUP-eligible work unit on CP
656	(290)	SIGNED	4	TCT_ENCLAVE_TIME_SUP_QUAL	SUP-qualified time
660	(294)	SIGNED	4	TCT_DEPENC_TIME_ON_SUP	Work unit on SUP
664	(298)	SIGNED	4	TCT_DEPENC_TIME_SUP_ON_CP	SUP-eligible work unit on CP
668	(29C)	SIGNED	4	TCT_DEPENC_TIME_SUP_QUAL	SUP-qualified time
672	(2A0)	DBL WORD	8	TCTSVTEX	64-bit Total Block Count (this field is the 64-bit equivalent of TCTSVTEP)
680	(2A8)	DBL WORD	8	TCTTPEXX	Last Value of 64-bit EXCP Count for TP (this field is the 64-bit equivalent of TCTTPEXP)
688	(2B0)	SIGNED	4	TCT_CRP	SMF30CRP
692	(2B4)	SIGNED	4	TCTSMFXP	Pointer to SMFTCT extension section
696	(2B8)	SIGNED	4	TCTLUCNT	Count of DD entries in TCTIOT lookup table
700	(2BC)	SIGNED	4	TCT_MISSED_TCTDCTR	Accumulated I/O block counts that were not accumulated into TCTDCTR because the SMFIOCNT service could not get the proper serialization on the TCTIOT
704	(2C0)	SIGNED	4	TCTSV_MISSED_TCTDCTR	Last value of TCT_Missed_TCTDCTR, used for calculating the delta
708	(2C4)	SIGNED	4	TCT_MISSED_TCTCONN	Accumulated device connect time that was not accumulated into TCTCONN because the SMFIOCNT service could not get the proper serialization on the TCTIOT
712	(2C8)	SIGNED	4	TCTSV_MISSED_TCTCONN	Last value of TCT_Missed_TCTCONN, used for calculating the delta
Comment					
DO NOT add new TCT fields here. They should be added to the TCT extension (IEFTCTX).					
End of Comment					
716	(2CC)	CHARACTER	4	TCTBNDRY	Reserved for alignment of TCTEND
716	(2CC)	X'2D0'	0	TCTEND	*** END OF TCT MAPPING - This address ***MUST*** be on doubleword boundary. Adjust the length of the TCTBNDRY field or comment it out as necessary.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
716	(2CC)	X'2D0'	0	TCTCOMZ	**-SMFTCT" - LENGTH OF TCT COMMON SECTION
Comment					
<p>TCT STORAGE TABLE</p> <p>A SEPARATE TABLE IS USED TO DESCRIBE THE STORAGE OBTAINED FOR A TASK. THE STORAGE TABLE IS CONTIGUOUS TO THE TCT. IT IS POINTED TO BY THE TCTCRTBL FIELD IN THE TCT COMMON SECTION.</p>					
End of Comment					
720	(2D0)	DBL WORD	8	TCTCORE (0)	- START OF TCT STORAGE TABLE POINTED TO BY TCTCRTBL
720	(2D0)	SIGNED	4	TCTLWM	- MAX VIRTUAL STORAGE IN USER SUBPOOLS BELOW 16M
724	(2D4)	SIGNED	4	TCTHWM	- MAX VIRTUAL STORAGE IN SWA AND LSQA BELOW 16M
728	(2D8)	SIGNED	2	TCTMINC	- THE MINIMUM DIFFERENCE (IN 2K BLOCKS) BETWEEN TCTLWM AND TCTHWM. THIS FIGURE REPRESENTS THE UNUSED PORTION OF THE USER'S REGION.
730	(2DA)	SIGNED	2	TCTRSV00	- RESERVED. REGION FIELD INCREASED TO FULLWORD AND MOVED TO THE END OF THE TCT STORAGE TABLE
732	(2DC)	ADDRESS	4	TCTRBA	- FOR A V=V PROBLEM PROGRAM, LOWEST ADDRESS IN PRIVATE AREA. FOR A V=R PROBLEM PROGRAM, LOWEST ADDRESS IN REGION. (OS/VS2) MDC012
736	(2E0)	SIGNED	4	TCTEHW	- MAX VIRTUAL STORAGE IN SWA AND LSQA ABOVE 16M
740	(2E4)	SIGNED	4	TCTELWM	- MAX VIRTUAL STORAGE IN USER SUBPOOLS ABOVE 16M
744	(2E8)	SIGNED	4	TCTRGNB	PRIVATE AREA BELOW 16M IN BYTES
748	(2EC)	SIGNED	4	TCTERGNB	PRIVATE AREA ABOVE 16M IN BYTES
752	(2F0)	SIGNED	4	TCTRSZ	ORIGINAL REGION REQUEST IN 2K BLOCKS
756	(2F4)	SIGNED	4	TCTRSV01	- RESERVED
760	(2F8)	DBL WORD	8	TCTMEM	- MEMLIMIT IN MB
768	(300)	CHARACTER	1	TCTMEMS	- SOURCE OF MEMLIMIT
769	(301)	CHARACTER	3	TCTRSV02	- RESERVED
769	(301)	X'34'	0	TCTCREZ	**-TCTCORE" - LENGTH OF TCT STORAGE TABLE
769	(301)	X'304'	0	TCTBIG	**-SMFTCT" - COMBINED LENGTH OF TCT COMMON SECTION AND TCT STORAGE TABLE
Comment					
<p>TCT INPUT/OUTPUT MEASUREMENT TABLE</p> <p>THE TCT I/O MEASUREMENT TABLE (TCTTIOT) IS COMPOSED OF THE TCT I/O LOOKUP TABLE AND THE TCT I/O COUNTER TABLE. IT IS USED TO COLLECT I/O MEASUREMENTS AT THE DD LEVEL. THE TCTTIOT IS NOT CONTIGUOUS TO THE TCT. THE TCTIOTBL FIELD IN THE TCT COMMON SECTION POINTS TO THE TCTTIOT. THE TCTTIOT IS CREATED BY IEFIB660 IN SUBPOOL 255/KEY 0 AND RESIDES ABOVE THE 16M LINE.</p> <p>THE TCT I/O LOOKUP TABLE CONTAINS 1 COMMON SECTION AND A DD LOOKUP TABLE. THE DD LOOKUP TABLE IS AN ARRAY WITH EACH ELEMENT REPRESENTING ONE DD ENTRY IN THE TIOT (IEFTIOT). SMF REFERENCES THESE DD LOOK-UP ENTRIES TO FIND THE FIRST DEVICE ENTRY IN THE TCT I/O COUNTER TABLE ASSOCIATED WITH A PARTICULAR DD.</p> <p>THE TCT I/O COUNTER TABLE CONSISTS OF ONE DD ENTRY PER ENTRY IN THE DD LOOK-UP TABLE. EACH DD ENTRY CONSISTS OF 1 OR MORE 24 BYTE DEVICE ENTRIES WHICH REPRESENT THE UCBS ASSOCIATED WITH THE DD. THERE IS ONE 8 BYTE OUTPUT LIMIT EXTENSION WHICH IS USED BY GPD.</p> <p>THE SIZE OF THE TCTTIOT IS DEPENDENT ON THE NUMBER OF DDS PER JOB. THERE IS 1 DD LOOKUP TABLE PER DD AND 1 DEVICE ENTRY PER DEVICE (UCB) PER DD.</p>					
End of Comment					
769	(301)	X'304'	0	TCTTIOT	*** - BEGINNING OF TCT I/O TABLE
Comment					
TCT I/O LOOKUP TABLE (ONE TABLE PER DD)					
End of Comment					
772	(304)	SIGNED	4	TCTPLEXT (0)	- SUBPOOL/LENGTH OF TCT I/O TABLE
772	(304)	BITSTRING	1		- SUBPOOL IN WHICH THE TCT I/O TABLE RESIDES
773	(305)	BITSTRING	3	TCTSZE	SIZE IN BYTES OF TCT I/O TABLE
776	(308)	SIGNED	4	TCTSZLKP	- NUMBER OF DEVICE ENTRIES IN THE TCT TCTDDLLEN TABLE TIMES 24
776	(308)	X'8'	0	TCTCOMIO	**-TCTTIOT" - LENGTH OF TCT I/O TABLE COMMON SECTION

TCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
DD LOOKUP TABLE ENTRY (ONE ENTRY PER DD ENTRY IN THE TIOT)					
End of Comment					
776	(308)	X'30C'	0	TCTIODSP	*** - START OF DD LOOKUP TABLE ENTRY
780	(30C)	SIGNED	4	TCTDCBTD	- OFFSET FROM THE TIOT ORIGIN TO THE TIOT ENTRY FOR THE DD STATEMENT ASSOCIATED WITH THE ACCESSED DATA SET NOTE: THE TIOT ENTRIES MAY -NOT- BE CONTIGUOUS.
784	(310)	SIGNED	4	TCTIOTSD	- OFFSET FROM THE TCT I/O TABLE ORIGIN TO THE DD ENTRY, WITHIN THE TCT I/O COUNTER TABLE, ASSOCIATED WITH THE ACCESSED DATA SET
788	(314)	SIGNED	4	TCTDCBLE	- END OF TCT I/O LOOKUP TABLE (ZEROS)
Comment					
TCT I/O COUNTER TABLE (ONE ENTRY PER DD ENTRY IN THE DD LOOK-UP TABLE)					
DEVICE ENTRY (ONE ENTRY PER DEVICE (UCB) PER DD)					
End of Comment					
788	(314)	X'318'	0	TCTDDENT	*** - START OF TCT I/O COUNTER TABLE (DEVICE ENTRY)
792	(318)	SIGNED	4	TCTUCBP	- ADDRESS OF THE UCB ASSOCIATED WITH THIS DEVICE
796	(31C)	SIGNED	1	TCTSCTR	- NUMBER OF DEVICES ASSOCIATED WITH THIS DD STATEMENT. THIS NUMBER REPRESENTS THE NUMBER OF DEVICE ENTRIES WITHIN THIS DD ENTRY. THIS FIELD CONTAINS ZEROS IN ALL BUT ITS FIRST APPEARANCE IN ANY DD ENTRY. X'FF' INDICATES SYSIN DATA SET (OS/VS1). ICB375
797	(31D)	BITSTRING	1	TCTFLGS	- FLAG BYTE MDC013
		1...		TCTDDIND	"X'80" - END OF CONCATENATED DD STRING (OS/VS1) MDC014
		.1.		TCTVAMDS	"X'40" - VAM DATA SET ENTRY. TCTUCBP FIELD IS ZERO WHEN THIS BIT IS ONE. MDC015
		..1.		TCTNOCNT	"X'20" - IF ON, DO NOT COUNT THE EXCP (OS/VS1) (MDC301)
		...1		TCTRSV22	"X'10',,C'X'" - RESERVED
		.... 1...		TCTRSV23	"X'08',,C'X'" - RESERVED
		.... .1..		TCTRSV24	"X'04',,C'X'" - RESERVED
		.... ..1.		TCTRSV25	"X'02',,C'X'" - RESERVED
		.... ...1		TCTRSV26	"X'01',,C'X'" - RESERVED
798	(31E)	SIGNED	2	TCTBLKSZ	- BLOCK SIZE FOR THIS DD NAME
		1...		TCTCBSZ	"X'80" CHANGED BLOCK SIZE IF ON
800	(320)	SIGNED	4	TCTDCTR	- COUNTER FOR EXCP'S ISSUED AGAINST THIS UCB (DEVICE) The value in this field can grow to 'FFFFFFF'x. Continued growth past 'FFFFFFF' will result in the value "wrapping" back to zero and continuing to grow.
804	(324)	SIGNED	4	TCTDCTRS	- SAVED EXCP COUNT FOR THIS ENTRY
808	(328)	SIGNED	4	TCTCONN	- DEVICE CONNECT TIME
812	(32C)	SIGNED	4	TCTCONNS	- SAVED DEVICE CONNECT TIME
816	(330)	BITSTRING	8	TCTXBLKS	BLOCKSIZE >32K FOR THIS DD NAME
816	(330)	X'20'	0	TCTDDLEN	** -TCTUCBP"
Comment					
OUTPUT LIMIT EXTENSION					
End of Comment					
824	(338)	BITSTRING	4	TCTRSV10	- *** TCTOUTLM FIELD RESERVED IN OS/VS ***
828	(33C)	SIGNED	1	TCTEXRLD	- A BINARY NUMBER OF EXTENTS RELEASED BY THE DADSM RELEASE ROUTINE. COLLECTED ONLY IF RLSE WAS SPECIFIED IN THE SPACE PARAMETER FOR THIS DATA SET.
829	(33D)	SIGNED	3	TCTTKRLD	- A BINARY NUMBER OF TRACKS RELEASED BY THE DADSM RELEASE ROUTINE. COLLECTED ONLY IF RLSE WAS SPECIFIED IN THE SPACE PARAMETER FOR THIS DATA SET.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>EXTENDED TCTIOT CONTROL BLOCK</p> <p>THE ETCTIOT IS A CHAIN OF 4K BLOCKS. EACH 4K BLOCK CONSISTS OF A 16 BYTE HEADER AND AN ARRAY OF A MAXIMUM OF 340 ELEMENTS. EACH ELEMENT IS 12 BYTES IN LENGTH AND REPRESENTS A DD ENTRY IN THE TCTIOT.</p> <p>THE ETCTIOT IS NOT CONTIGUOUS TO THE TCT COMMON SECTION OR THE TCTIOT. THE FIRST ETCTIOT IS POINTED TO BY THE TCTFETIO FIELD IN THE TCT COMMON SECTION. ADDITIONAL FIELDS EXIST IN THE TCT COMMON SECTION WHICH DESCRIBE THE ETCTIOT CHAIN. THE ETCTIOT IS CREATED BY IEFIB660 IN SUBPOOL 255 AND KEY 0. THE CHAIN RESIDES ABOVE THE 16M LINE.</p> <p>THERE IS 1 ETCTIOT CHAIN PER ADDRESS SPACE. THE SIZE OF THE CHAIN IS BASED ON THE NUMBER OF DDS PER JOB:</p> <p>MINIMUM CHAIN = 1 4K BLOCK (1 4096 = 4096 BYTES)</p> <p>AVERAGE CHAIN = 1 4K BLOCK (AVERAGE JOB < 100 DDS)</p> <p>MAXIMUM CHAIN = 10 4K BLOCKS (10 4096 = 40,960 BYTES)</p> <p>= MAXIMUM CHAIN IS BASED ON 3273 DDS</p> <p>ETCTIOT HEADER (ONE HEADER PER BLOCK)</p>					
End of Comment					
829	(33D)	X'340'	0	ETCTIOT	*** - EXTENDED TCTIOT
829	(33D)	X'340'	0	ETCTHDR	*** - ETCTIOT HEADER SECTION
832	(340)	CHARACTER	7	ETCTID	- ETCTIOT IDENTIFIER = 'ETCTIOT'
839	(347)	CHARACTER	1	ETCTVER	- ETCTIOT VERSION NUMBER = X'01'
840	(348)	SIGNED	4	ETCTFCHN	- NEXT ETCTIOT BLOCK ADDRESS
844	(34C)	SIGNED	4	ETCTBCHN	- PREVIOUS ETCTIOT BLOCK ADDRESS
Comment					
<p>ETCTIOT ELEMENT (MAXIMUM OF 340 12 BYTE ELEMENTS PER BLOCK)</p>					
End of Comment					
844	(34C)	X'350'	0	ETCTNTRY	*** ETCTIOT DD ENTRY
848	(350)	SIGNED	4	ETCTNEXT	- NEXT TOKEN
		1... ..		ETCTIUSE	"X'80" - ENTRY IN USE (1=IN USE)
852	(354)	SIGNED	4	ETCTDSAB	- DSAB ADDRESS OF ENTRY
856	(358)	SIGNED	4	ETCTSTIO	- TCTIOT DD LOOKUP ENTRY OFFSET
Comment					
<p>TCTOMVS - TCT OpenMVS Process Data Table</p> <p>The OpenMVS Process Data Table is 104 bytes.</p> <p>Size should always be a multiple of 8.</p> <p>THE TCT OpenMVS PROCESS DATA TABLE (TCTOMVS) IS POINTED TO BY TCTOMVSP IN THE TCT COMMON SECTION.</p>					
End of Comment					
856	(358)	X'35C'	0	TCTOMVS	*** - TCT OpenMVS Table
860	(35C)	CHARACTER	8	TCTOMVSH (0)	- TCT OpenMVS Header Section
860	(35C)	CHARACTER	4	TCTOID	Control Block ID 'TCTO'
864	(360)	SIGNED	4	TCTOSPLN (0)	Control Block Subpool and Length
864	(360)	BITSTRING	1	TCTOSP	- Subpool
865	(361)	BITSTRING	3	TCTOLN	- Length
868	(364)	CHARACTER	96	TCTOMVSD (0)	- TCT OpenMVS Data Section
868	(364)	SIGNED	4	TCTOPI	- Process ID
872	(368)	SIGNED	4	TCTOPG	- Process Group ID
876	(36C)	SIGNED	4	TCTOUI	- Process User ID
880	(370)	SIGNED	4	TCTOUG	- Process User Group ID
884	(374)	SIGNED	4	TCTOSI	- Process Session ID
888	(378)	SIGNED	4	TCTOSC	- Number of syscalls requested
892	(37C)	SIGNED	4	TCTOST	- Total CPU Time accumulated by the syscalls requested
896	(380)	SIGNED	4	TCTODR	- Number of directory I/O blocks read
900	(384)	SIGNED	4	TCTOFR	- Number of I/O blocks read for standard files
904	(388)	SIGNED	4	TCTOFW	- Number of I/O blocks written for standard files
908	(38C)	SIGNED	4	TCTOPR	- Number of I/O blocks read for pipe files
912	(390)	SIGNED	4	TCTOPW	- Number of I/O blocks written for pipe files
916	(394)	SIGNED	4	TCTOSR	- Number of I/O blocks read for special files
920	(398)	SIGNED	4	TCTOSW	- Number of I/O blocks written for special files
924	(39C)	SIGNED	4	TCTOLL	- Number of path name Lookup calls to the logical file system
928	(3A0)	SIGNED	4	TCTOLP	- Number of path name Lookup calls to the physical file system

TCT Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
932	(3A4)	SIGNED	4	TCTOGL	- Number of path name Generation calls to the logical file system
936	(3A8)	SIGNED	4	TCTOGP	- Number of path name Generation calls to the physical file system
940	(3AC)	SIGNED	4	TCTOPP	- OpenMVS parent process ID number
944	(3B0)	SIGNED	4	TCTOKR	- Number of I/O blocks read for Remote socket by the process
948	(3B4)	SIGNED	4	TCTOKW	- Number of I/O blocks written for Remote socket by the process
952	(3B8)	SIGNED	4	TCTOMS	- Number of message queues bytes sent
956	(3BC)	SIGNED	4	TCTOMR	- Number of message queues bytes received
960	(3C0)	SIGNED	4	TCTOSY	- Number of sync() function calls

Comment

TCTARM - TCT ARM Data Table
 The ARM data table is 88 bytes.
 The TCT ARM Data Table (TCTARM) is pointed to by
 TCTARMP in the TCT common section.

End of Comment

960	(3C0)	X'3C4'	0	TCTARM	"" - TCT ARM Table
964	(3C4)	CHARACTER	4	TCTAID	Control Block ID 'TCTA'
968	(3C8)	SIGNED	4	TCTASPLN (0)	Control Block Subpool and Length
968	(3C8)	BITSTRING	1	TCTASP	- Subpool
969	(3C9)	BITSTRING	3	TCTALN	- Length
972	(3CC)	CHARACTER	80	TCTARMD (0)	- TCT ARM Data
972	(3CC)	CHARACTER	16	TCTARNM	Element Name
988	(3DC)	CHARACTER	8	TCTARTP	Element Type
996	(3E4)	CHARACTER	16	TCTARRG	Restart Group for Element
1012	(3F4)	CHARACTER	8	TCTARSN	The system name for the system on which the element was initially started. blank, for the initial start
1020	(3FC)	SIGNED	4	TCTARGT	- Time (local) Element requested REGISTER Function, in hundredths of a second
1024	(400)		1	TCTARGD	- Date Element requested REGISTER Function, in the form 0cyyddF (where 'F' is the sign)
1028	(404)	SIGNED	4	TCTARWT	- Time (local) Element requested WAITPRED function, in hundredths of a second Note that this is the time that the function was requested, not satisfied. 0, if the element has not requested the function.
1032	(408)		1	TCTARWD	- Date Element requested WAITPRED function, in the following format: 0cyyddF (where 'F' is the sign) 0, if the element has not requested the function.
1036	(40C)	SIGNED	4	TCTARYT	- Time (local) Element was READY, in hundredths of a second 0, if the element is not yet READY
1040	(410)		1	TCTARYD	- Date Element was READY, in the following format: 0cyyddF (where 'F' is the sign) 0, if the element is not yet READY
1044	(414)	SIGNED	4	TCTARTT	- Time (local) Element was DEREGISTERED, in hundredths of a second 0, if the element is not yet DEREGISTERED or ended abnormally.
1048	(418)		1	TCTARTD	- Date Element was DEREGISTERED, in the following format: 0cyyddF (where 'F' is the sign) 0, if the element is not yet DEREGISTERED or ended abnormally.

TCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ETCTBCHN	34C			26C	80
ETCTDSAB	354		TCT_DEP_ENCLAVE_TIME_ON_IFA		
ETCTFCHN	348			264	
ETCTHDR	33D	340	TCT_DEP_ENCLAVE_TIME_ON_IFA_F		
ETCTID	340			26C	8
ETCTIOT	33D	340	TCT_DEPENC_TIME_ON_SUP		
ETCTIUSE	350	80		294	
ETCTNEXT	350		TCT_DEPENC_TIME_ON_SUP_F		
ETCTNTRY	34C	350		26C	8
ETCTSTIO	358		TCT_DEPENC_TIME_SUP_ON_CP		
ETCTVER	347			298	
SMFTCT	0		TCT_DEPENC_TIME_SUP_ON_CP_F		
TCT_CEPI	27C			26C	4
TCT_CEPI_F	26C	40	TCT_DEPENC_TIME_SUP_QUAL		
TCT_CRP	2B0			29C	
TCT_CRP_F	26C	20	TCT_DEPENC_TIME_SUP_QUAL_F		
TCT_DEP_ENCLAVE_TIME_IFA_ON_CP				26C	40
	268		TCT_ENCLAVE_TIME_IFA_ON_CP		
TCT_DEP_ENCLAVE_TIME_IFA_ON_CP_F				260	
	26C	4	TCT_ENCLAVE_TIME_IFA_ON_CP_F		
TCT_DEP_ENCLAVE_TIME_ON_CP				26C	10
	278		TCT_ENCLAVE_TIME_ON_CP		
TCT_DEP_ENCLAVE_TIME_ON_CP_F				274	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCT_ENCLAVE_TIME_ON_CP_F	26C	1	TCTBNDRY	2CC	
TCT_ENCLAVE_TIME_ON_IFA	25C		TCTCBSZ	31E	80
TCT_ENCLAVE_TIME_ON_IFA_F	26C	20	TCTCOMIO	308	8
TCT_ENCLAVE_TIME_ON_SUP	288		TCTCOMP	130	80
TCT_ENCLAVE_TIME_ON_SUP_F	26C	20	TCTCOMZ	2CC	2D0
TCT_ENCLAVE_TIME_SUP_ON_CP	28C		TCTCONN	328	
TCT_ENCLAVE_TIME_SUP_ON_CP_F	26C	10	TCTCONNS	32C	
TCT_ENCLAVE_TIME_SUP_QUAL	290		TCTCORE	2D0	
TCT_ENCLAVE_TIME_SUP_QUAL_F	26C	80	TCTCPUS	20	
TCT_MISSED_TCTCONN	2C4		TCTCREZ	301	34
TCT_MISSED_TCTDCTR	2BC		TCTCRTBL	8	
TCT_TIME_IFA_ON_CP	258		TCTCSF	138	40
TCT_TIME_IFA_ON_CP_F	26C	40	TCTCTF	138	80
TCT_TIME_ON_CP	270		TCTDCBLE	314	
TCT_TIME_ON_CP_F	26C	2	TCTDCBTD	30C	
TCT_TIME_ON_IFA	254		TCTDCOPN	3	1
TCT_TIME_ON_IFA_F	26C	80	TCTDCTI	B4	
TCT_TIME_ON_SUP	280		TCTDCTR	320	
TCT_TIME_ON_SUP_F	26C	80	TCTDCTRS	324	
TCT_TIME_SUP_ON_CP	284		TCTDDENT	314	318
TCT_TIME_SUP_ON_CP_F	26C	40	TCTDDIND	31D	80
TCTACT	44		TCTDDLLEN	330	20
TCTACTRT	3	2	TCTDEF	138	4
TCTADMFR	F4		TCTDET	228	
TCTADMFW	F0		TCTDUMMY	130	40
TCTAID	3C4		TCTEBLK	120	
TCTAJS	40		TCTECPT	210	
TCTALN	3C9		TCTECPTC	224	
TCTANSC	134		TCTECPU	218	
TCTARGD	400		TCTEFAVL	124	
TCTARGET	3FC		TCTEFLGS	130	
TCTARM	3C0	3C4	TCTEHPT	F8	
TCTARMD	3CC		TCTEHWM	2E0	
TCTARMP	1FC		TCTEIIIP	DC	
TCTARNM	3CC		TCTEINFO	114	
TCTARRG	3E4		TCTEJST	6C	
TCTARSN	3F4		TCTELAVL	128	
TCTARTD	418		TCTELEN	11E	
TCTARTP	3DC		TCTELWM	2E4	
TCTARTT	414		TCTENAVL	12C	
TCTARWD	408		TCTEND	2CC	2D0
TCTARWT	404		TCTENF	138	8
TCTARYD	410		TCTERCT	E0	
TCTARYT	40C		TCTERGNB	2EC	
TCTASF	138	10	TCTER0EC	EC	
TCTASP	3C8		TCTER0FC	FC	
TCTASPLN	3C8		TCTER100	100	
TCTASST	20C		TCTESUBP	11C	
TCTASSTC	220		TCTETC	21C	
TCTAST	38		TCTETIM	214	
TCTATR	48		TCTEXP	3	
TCTBIG	301	304	TCTEXRLD	33C	
TCTBLKSZ	31E		TCTE39PP	E8	
			TCTFETIO	114	
			TCTFLGS	13A	
			TCTFLGS	31D	
			TCTHPF	138	40
			TCTHWM	2D4	
			TCTIABD	3	8
			TCTIAF	138	1
			TCTICF	138	4
			TCTIEX	3	40
			TCTIIF	138	80
			TCTINTDT	110	
			TCTINTST	10C	
			TCTIOCS	2C	
			TCTIODSP	308	30C
			TCTIOSAV	B0	
			TCTIOTBL	C	
			TCTIOTSD	310	
			TCTIR104	104	
			TCTIR108	108	
			TCTISF	138	8
			TCTISK30	3	20

TCT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TCTISK32	3	10	TCTRQSVF	E4	
TCTISRB	88		TCTRSMTG	1E4	
TCTISS	1A0		TCTRSV00	2DA	
TCTITCB	84		TCTRSV01	2F4	
TCTIVF	138	2	TCTRSV02	301	
TCTJMR	1C		TCTRSV08	20	
TCTJSTI	3	80	TCTRSV10	338	
TCTJSTX	24		TCTRSV22	31D	10
TCTLCTAD	98		TCTRSV23	31D	8
TCTLETIO	118		TCTRSV24	31D	4
TCTLIN	30		TCTRSV25	31D	2
TCTLINSV	78		TCTRSV26	31D	1
TCTLOUT	34		TCTRSZ	2F0	
TCTLOUTS	7C		TCTRTAPE	60	
TCTLRRCT	AC		TCTSACT	28	
TCTLUCNT	2B8		TCTSCTR	31C	
TCTLWM	2D0		TCTSIN	4C	
TCTMEM	2F8		TCTSMFXP	2B4	
TCTMEMS	300		TCTSNAME	C8	
TCTMINC	2D8		TCTSOUT	50	
TCTMSCT	D8		TCTSRBS	50	
TCTMSOFF	D8	80	TCTSRBT	70	
TCTMSOS	4C		TCTSRMSP	13B	
TCTNOCNT	31D	20	TCTSTOF	24	
TCTODR	380		TCTSTPRN	3	4
TCTOFR	384		TCTSUBNM	184	
TCTOFW	388		TCTSV_MISSED_TCTCONN		
TCTOGL	3A4			2C8	
TCTOGP	3A8		TCTSV_MISSED_TCTDCTR		
TCTOID	35C			2C0	
TCTOKR	3B0		TCTSVTEP	74	
TCTOKW	3B4		TCTSVTEX	2A0	
TCTOLL	39C		TCTSW	3	
TCTOLN	361		TCTSZE	12	
TCTOLP	3A0		TCTSZEXT	305	
TCTOMR	3BC		TCTSZLKP	308	
TCTOMS	3B8		TCTTCB	4	
TCTOMVS	358	35C	TCTTCT	D0	
TCTOMVSD	364		TCTTCT2	13A	80
TCTOMVSH	35C		TCTTIMER	B8	
TCTOMVSP	188		TCTTIOT	301	304
TCTOPG	368		TCTTJLM	28	
TCTOPI	364		TCTTKRLD	33D	
TCTOPP	3AC		TCTTMRFL	138	
TCTOPR	38C		TCTTMRFL2	26C	
TCTOPW	390		TCTTMRSP	BC	
TCTOSC	378		TCTTPCNA	168	
TCTOSI	374		TCTTPCON	160	
TCTOSP	360		TCTTPDAR	17C	
TCTOSPLN	360		TCTTPDAT	170	
TCTOSR	394		TCTTPDCT	158	
TCTOST	37C		TCTTPEXP	154	
TCTOSW	398		TCTTPEXX	2A8	
TCTOSY	3C0		TCTTPNUM	15C	
TCTOUG	370		TCTTPREC	178	
TCTOUI	36C		TCTTPSEN	16C	
TCTPARMS	C0		TCTTPSRB	150	
TCTPDASD	54		TCTTPTAC	164	
TCTPGIN	40		TCTTPTCB	14C	
TCTPGOUT	44		TCTTPTYP	148	
TCTPGSMF	40		TCTTRAN	80	
TCTPLEXT	304		TCTT30AH	200	
TCTPMSS	64		TCTT30H	94	
TCTPOOL	10		TCTT30J	8C	
TCTPPST	3C		TCTT30JA	208	
TCTPRMSP	C4		TCTT30JE	198	
TCTPTAPE	5C		TCTT30JP	19C	
TCTQA	0		TCTT30JR	250	
TCTRBA	2DC		TCTT30PH	18C	
TCTRCF	138	20	TCTT30S	90	
TCTRDASD	58		TCTT30SA	204	
TCTRGNB	2E8		TCTT30SE	190	
TCTRGNS	48		TCTT30SP	194	
TCTRMSS	68		TCTT30SR	24C	

Name	Hex Offset	Hex Value
TCTT30UH	1F0	
TCTT30UJ	1F8	
TCTT30US	1F4	
TCTT32J	9C	
TCTT32S	A0	
TCTT33J	140	
TCTT33S	144	
TCTT33SP	13C	
TCTUACA	1D0	
TCTUACL	1CC	
TCTUCBP	318	
TCTUDATA	18	
TCTUFCA	1E0	
TCTUFCAC	1DC	
TCTUTCA	1D8	
TCTUTCAC	1D4	
TCTUTIMR	1E8	
TCTUTL	14	
TCTUTPRM	1EC	
TCTVAF	138	10
TCTVAMDS	31D	40
TCTVUF	138	20
TCTWLMT	2C	
TCTXBLKS	330	
TCT30AIC	22C	
TCT30AID	230	
TCT30AIS	238	
TCT30AIW	234	
TCT30ATR	1C8	
TCT30CN	1A8	
TCT30CNA	1AC	
TCT30DAR	1C0	
TCT30DAT	1B4	
TCT30EIC	23C	
TCT30EID	240	
TCT30EIS	248	
TCT30EIW	244	
TCT30REC	1BC	
TCT30SEN	1B0	
TCT32BLK	A8	
TCT32SP	A4	

TDCM Information

TDCM Heading Information

Common Name: PAGEABLE DISPLAY CONTROL MODULE MAPPING MACRO
Macro ID: IEETDCM
DSECT Name: DCMSTRT, DCMSCTA, DCMSCTC, DCMORDER
Owning Component: DIDOCS (SC1C4)
Eye-Catcher ID: TDCM
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229 or 239 (for HMCS consoles)
 Key: 0
 Residency: 31-bit storage
Size: Base section: X'638' bytes
 SIB section: ((10+# cols) * # rows) * 2
 DOM ids section: 18 bytes per row
 SCT section: 4 bytes per row
 SSCT section: 2 bytes per row
 Query Response: 344 bytes
 Adjunct Orders: 22 bytes per row
 MCT section: 4 bytes per row
 MCS/SMCS Input : 264 bytes
 BLENT Area: 304 bytes for screen sizes under 46x80. 320 bytes for screen sizes 46x80 to 91x80. Max of 560 bytes for screen size of 255x255.
 MGCRE Parm List: 60 bytes (mapped by IEZMGCRE)
 HMCS Data: 116 bytes if an HMCS console
Created by: IEECVFTW
Pointed to by: DCMADTRN IN RDCM
Serialization: LOCAL AND CMS LOCKS
Function: THIS MACRO MAPS THE PAGEABLE DISPLAY CONTROL MODULE (TDCM).

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1592	DCMSTRT	
0	(0)	CHARACTER	4	DCMOACRO	CNTL BLK ACRONYM 'TDCM'
4	(4)	CHARACTER	1	DCMFLG1	TDCM AREA INDICATORS
		1...		DCM_RPQ_IO_FAILED	
		.1..		*	I/O error during RPQ processing
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1..		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		DCMOUTPT	TDCM UPDATED FOR OUTPUT ONLY
		.... ...1		*	RESERVED
5	(5)	CHARACTER	1	DCMATI	SAVED UCB ATTN INDEX
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	ADDRESS	4	DCMWTINT	DCMWTINT INITIAL VALUE
12	(C)	SIGNED	2	DCMLNCNT	NUMBER OF LINES TO BLANK
14	(E)	CHARACTER	1	DCMLNNUM	FIRST LINE TO BLANK
15	(F)	UNSIGNED	1	DCMGFLG	HOLDMODE INDICATORS
		1...		DCMHOLD	CONSOLE IS IN HOLDMODE
		.1..		DCMMWISS	MESSAGE IEE159I HAS BEEN ISSUED
		..11 1111		*	RESERVED
16	(10)	SIGNED	4	DCMPACK	AREA TO PLACE NUMBER FOR PACKING
20	(14)	SIGNED	4	DCMCVBIN	AREA FOR CONVERSION TO BINARY

Comment

TIMER COMMUNICATION FIELD

End of Comment

24	(18)	CHARACTER	1	DCMTIMES	TIME RTNS INDICATOR BYTE
		1...		DCMTIMER	TIME ELAPSED FOR THIS DISPLAY
		.1..		DCMOPTTI	OPTIONS TO TI RTN
		..1.		*	RESERVED

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		DCMOTTMM	OPTIONS OR TI RTNS TO MSG MODULE
		.... 1...		*	RESERVED
		.... .1..		DCMTASYN	TIMER SET FOR ASYNC ERROR MSG
		.... ..1.		DCMOCTTI	OPEN-CLOSE TO TI RTN
		.... ...1		DCMRMTTI	ROLL MODE TO TIMER ROUTINE

Comment

CONTROL BLOCK VERSION IDENTIFICATION

End of Comment

25	(19)	UNSIGNED	1	DCMTVERN	CONTROL BLOCK VERSION
26	(1A)	SIGNED	2	*	RESERVED

Comment

ADDRESS TABLE

End of Comment

28	(1C)	ADDRESS	4	DCMHMCSBUFF@	Pointer to HMCS I/O buffer
32	(20)	ADDRESS	4	DCMDOMPK	ADDRESS OF FIRST DOM NUMBER
36	(24)	ADDRESS	4	DCMAMTAB	ADDRESS OF FIRST SCT ENTRY
40	(28)	ADDRESS	4	DCMADSEC	ADDRESS OF FIRST SSCT ENTRY
44	(2C)	ADDRESS	4	DCMADDRL	ADDRESS OF LAST SCT ENTRY
48	(30)	ADDRESS	4	DCMASCRN	POINTER TO SCREEN IMAGE BUFFER
52	(34)	ADDRESS	4	DCMLSCRN	POINTER TO LAST BUFFER LINE
56	(38)	ADDRESS	4	DCMWTBUF	SCREEN LENGTH POINTER
60	(3C)	ADDRESS	4	DCMAINS	POINTER TO INSTRUCTION LINE
64	(40)	ADDRESS	4	DCMAENTR	POINTER TO ENTRY AREA
68	(44)	ADDRESS	4	DCMAWARN	POINTER TO WARNING LINE
72	(48)	ADDRESS	4	DCMADCHP	ADDRESS OF CHANNEL PROGRAM AREA
76	(4C)	ADDRESS	4	DCMPFKLN	POINTER TO PFK LINE
80	(50)	SIGNED	4	DCMCXSVE	CXSA SAVE AREA
84	(54)	ADDRESS	4	DCMADOPN	ADDRESS OF COMMAND OPERAND
88	(58)	SIGNED	4	DCMDSAV	SAVE AND WORK AREA

(4294967301:562147192)

Comment

This area serves two purposes:

- 1) Command text to pass to MGCRC. Length of text must directly precede the command text. The MGCRC parameter list will point to this text.
- 2) KPARAM list (mapped by IEECVMAP). Note that DCMINPUT is larger than the 126 byte limit for commands to contain two extra bytes for the KPARAM list mapping.

End of Comment

108	(6C)	CHARACTER	132	DCM_CMD_TEXT_KPARAM_AREA	Command text and KPARAM list area
108	(6C)	SIGNED	2	DCM_KPARAM_START	Start of KParam list. This field not used for command text
110	(6E)	SIGNED	2	DCMINLGN	Cmd text length. This field name not used by KParam list but IEECVMAP mapping name will assign this area
112	(70)	CHARACTER	128	DCMINPUT	Command text

Comment

GENERAL LENGTH VALUES

End of Comment

240	(F0)	SIGNED	2	DCMLGNTH	LENGTH OF A LINE
242	(F2)	SIGNED	2	DCMBAINC	ADDRESS TO INSERT CURSOR
244	(F4)	SIGNED	2	DCMSSCTL	LENGTH OF ONE SSCT ENTRY
246	(F6)	SIGNED	2	DCMBADLN	BUFFER ADDR TO BEGIN MSG WRITE
248	(F8)	SIGNED	2	DCMBYTCT	NUMBER OF BYTES TO WRITE
250	(FA)	SIGNED	2	DCMADNUM	NEXT LINE NUMBER
252	(FC)	SIGNED	2	DCMAXLGN	MAXIMUM LINE LENGTH
254	(FE)	SIGNED	2	DCMMSGAL	NUMBER OF LINES IN MESSAGE AREA
256	(100)	SIGNED	2	DCMRMINC	INCREMENT INTO RMI
258	(102)	SIGNED	2	DCMSCTCN	LENGTH OF ONE SCT ENTRY
260	(104)	SIGNED	2	DCMCORLN	LENGTH OF TDCM LINE IN CORE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
262	(106)	SIGNED	2	*	TIME COUNTER
264	(108)	CHARACTER	1	DCMPFKNM	NUMBER OF KEY BEING PROCESSED
265	(109)	CHARACTER	1	DCMPFKKN	LIST KEY NUMBER
Comment					
VALUES FOR OPTIONS					
End of Comment					
266	(10A)	CHARACTER	2	DCMDEL	DEL VALUE
268	(10C)	CHARACTER	1	DCMCON	CON VALUE
269	(10D)	ADDRESS	1	DCMSEG	SEG VALUE
270	(10E)	ADDRESS	1	DCMDL	DISPLAY AREA OPTION
271	(10F)	ADDRESS	1	DCMRNUM	ROLL NUMBER VALUE
272	(110)	SIGNED	2	DCMRTME	ROLL TIME VALUE IN TENTHS OF SECONDS
Comment					
DEFAULT VALUES FOR OPTIONS					
End of Comment					
274	(112)	ADDRESS	1	DCMSEGDF	SEG DEFAULT
275	(113)	ADDRESS	1	DCMRNUMD	RNUM DEFAULT
276	(114)	SIGNED	2	DCMRTMED	RTME DEFAULT IN TENTHS OF SECONDS
Comment					
MCT TABLE CONSTANTS					
End of Comment					
278	(116)	SIGNED	2	DCMMCTCN	LENGTH OF ONE MCT ENTRY
280	(118)	CHARACTER	3	*	RESERVED
Comment					
COMMUNICATIONS AREAS					
End of Comment					
283	(11B)	CHARACTER	1	DCMOPTST	STATUS OF SCREEN CONTROL OPTIONS
		1...		DCMOPTVR	DELETE VERIFICATION CON=(Y=1,N=0)
		.1.		DCMOPTAD	AUTOMATIC DELETION DEL=(Y=1,N=0)
		..1.		DCMOPTSG	DEFAULT SEGMENT SPECIFIED SEG=(0=0)
		...1		DCMOPRL	Roll/Wrap mode? (Y=1, N=0)
		.... 1..		*	RESERVED
		.... .1.		*	RESERVED
		.... ..1.		*	RESERVED
		.... ...1		*	RESERVED
284	(11C)	CHARACTER	1	DCMCS	OPEN/CLOSE REQUEST
		1...		DCMCSC	CLOSE REQUEST
		.1.		DCMCSC	OPEN REQUEST
		..1.		DCMISRPQ	ISSUE READ PARTITION QUERY
		...1		DCMRDRPQ	READ RESULT OF READ PARTITION QUERY
		.... 1..		DCMRETIO	RETURN TO I/O ROUTINE
		.... .1.		DCMSWAPT	TDCM SWAP IS NEEDED
		.... ..1.		DCM_REISSUE_IO	I/O JUST ISSUED IS TO be re-issued
		.... ...1		DCM_BUFFER_2_ENTRY_NEEDED	Data needs to be copied from the input area to the entry area
285	(11D)	CHARACTER	1	DCMUTILT	INTERNAL FLAGS
		1...		DCMUTILA	THESE BITS ARE
		.1.		DCMUTILB	INITIALIZED AND USED
		..1.		DCMUTILC	SOLELY WITHIN
		...1		DCMUTILD	EACH MODULE
		.... 1..		DCMUTILE	They are
		.... .1.		DCMUTILF	never used
		.... ..1.		DCMUTILG	for
		.... ...1		DCMUTILH	interface
286	(11E)	CHARACTER	1	DCMDSTAT	CURRENT DISPLAY STATUS
		1...		*	RESERVED
		.1.		*	RESERVED
		..1.		DCMDSTNM	MESSAGES ARE NUMBERED
		...1		DCMDSTNH	MSGS NUMBERED - HOLD OPTION
		.... 1..		*	RESERVED - WAS DCMD SINR

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		DCMDSAUT	AUTOMATIC DELETION TRIED
		.... ..1.		*	RESERVED
		.... ...1		*	RESERVED
Comment					
MCS INTERFACE FIELD					
End of Comment					
287	(11F)	CHARACTER	1	DCMMCSST	MCS INTERFACE BYTE
		1...		DCMDUSE	DIDOCs IN CONTROL
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1..		*	RESERVED
		.... ..1.		DCMOOMSS	MESSAGE STREAM ENTRY
		.... ...1		*	RESERVED
		.... ...1		DCMOOSDS	STATUS DISPLAY ENTRY
Comment					
UNIQUE INTERFACE FIELD					
End of Comment					
288	(120)	CHARACTER	1	DCMIOUNQ	UNIQUE IO BYTE
		1...		*	RESERVED WAS DCMIO226
		.1..		*	RESERVED
		..1.		DCMFRSCN	PUT OUTPUT IN HOLD MODE
		...1		DCMRDARM	PERFORM READ AFTER RMI
		.... 1..		DCMW2250	DEVICE HAS LIGHT PEN
		.... ..1.		DCMINNOR	NORMAL INSTRUCTION LINE
		.... ...1		DCMINERR	ERROR INSTRUCTION LINE
		.... ...1		DCMEWASP	ERASE/WRITE ALTERNATE COMMAND SUPPORTED
Comment					
I/O COMMUNICATION FIELDS					
End of Comment					
289	(121)	CHARACTER	1	DCMIOCM1	IO COMMUNICATIONS BYTE 1
		1...		DCMDORMI	ISSUE RMI
		.1..		DCMSOUND	SOUND ALARM
		..1.		DCMWRWRN	WRITE WARNING LINE
		...1		DCMWRMSG	WRITE FULL MESSAGE AREA
		.... 1..		DCMWRPAR	WRITE PARTIAL MESSAGE AREA
		.... ..1.		DCMWRINS	WRITE INSTRUCTION LINE
		.... ...1		DCMWRENT	WRITE ENTRY AREA
		.... ...1		DCMINSC	INSERT CURSOR
290	(122)	CHARACTER	1	DCMIOCM2	IO COMMUNICATIONS BYTE 2
		1...		DCMBLENT	BLANK ENTRY AREA
		.1..		DCMBLWRL	BLANK LEFT HALF WARNING LINE
		..1.		DCMBLWRR	BLANK RIGHT HALF WARNING LINE
		...1		DCMINSSH	INIT AND SHIFT INSTRUCTION LINE
		.... 1..		DCMOOL_WRITE	Write Out-Of_Line Display
		.... ..1.		DCMERASE	PERFORM ERASE
		.... ...1		DCMIOCRD	PERFORM READ
		.... ...1		DCMWRASY	WRITE ASYNC ERROR MSG TO MID-SCREEN
291	(123)	CHARACTER	1	DCMIOCM3	IO COMMUNICATIONS BYTE 3
		1...		DCMOOL_REFRESH	Refresh the OOL displays
		.1..		DCMPFK_REFRESH	Refresh the PFK line
		..1.		DCMEWAND	ERASE/WRITE ALTERNATE COMMAND NEEDED
		...1		DCMWRPFK	TDCM WRITE PFK AREA
		.... 1..		DCMPFKAT	PFK ATTENTION
		.... ..1.		DCMRDPFK	PFK AREA READ
		.... ...1		DCMCQUED	MULTIPLE COMMANDS QUEUED
		.... ...1		DCMKPROC	PFK being processed
292	(124)	CHARACTER	1	DCMLINEN	LINE NUMBER TO BEGIN WRITE
293	(125)	CHARACTER	1	DCMCULNO	LINE IN ENTRY AREA TO INSERT CURSOR
294	(126)	CHARACTER	1	DCMPOSCU	POSITION TO INSERT CURSOR

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
ASYNCHRONOUS ERROR COMMUNICATIONS FIELD					
End of Comment					
295	(127)	CHARACTER	1	DCMASYNC	ASYN ERROR COMMUNICATIONS/RETRY BYTE
		1... ..		*	RESERVED
		.1.		DCMASDA	DATA CHECK RETRY BIT
		..1.		DCMASIN	INVALID BUFFER ADDR CHECK RETRY BIT
		...1		DCMASBA	BUFFER ADDR PARITY CHECK RETRY BIT
		.... 1...		DCMASEWA	PERMANENT ERROR ON EWA DEVICE RETRIED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		.... ...1		*	RESERVED
Comment					
COMMUNICATION FIELDS					
End of Comment					
296	(128)	CHARACTER	1	DCMCOM1	COMMUNICATIONS BYTE
		1... ..		DCMLPENT	ENTER BY LP OR CURSOR
		.1.		DCMIOPRD	READ PERFORMED
		..1.		DCMCOMRM	RMI PERFORMED
		...1		DCMCOMAU	PERFORM AUTO DELETE
		.... 1...		DCMCOMRD	PERFORM REGULAR DELETE
		.... .1..		DCMCOMNM	NUMBER MESSAGES
		.... ..1.		DCMCLEAR	CLEAR KEY WAS PRESSED
		.... ...1		DCMCANCL	INDICATE CANCEL TO COMMAND ROUTINE
297	(129)	CHARACTER	1	DCMCOM2	COMMUNICATIONS BYTE
		1... ..		DCMCM2I	INPUT TO BE PROCESSED
		.1.		DCMSPLIT	MSG TO BE SPLIT
		..1.		DCMCOMAR	ACCEPTED REPLY
		...1		DCMREPLC	REPEAT LAST COMMAND KEY (PA1) PRESSED
		.... 1...		DCMERPF	ERASE PERF-PROC CAN NOW CLOSE DEVICE
		.... .1..		*	Reserved. Was DCMCMIN5
		.... ..1.		*	Reserved. Was DCMCBLNK
		.... ...1		DCMAE	CLEANUP FOR ASY ERROR
298	(12A)	CHARACTER	1	DCMCOM3	COMMUNICATIONS BYTE
		1... ..		DCMCDSP3	DISPLAY 3 COMPLETED WORK
		.1.		DCMRTPFK	RETURN TO PFK ROUTINE
		..1.		DCMVLPFK	VERIFYING LAST COMMAND
		...1		DCMXINT1	ENTRY FOR INTERFACE 1 ROUTINE
		.... 1...		DCMOLUNV	O-O-L MSG CAUSED UNVIEW. MSG.
		.... .1..		*	RESERVED
		.... ..1.		DCMOLHLD	OUT OF LINE MESSAGES HELD
		.... ...1		*	Reserved. Was DCMCMIN7
Comment					
MESSAGE MODULES COMMUNICATION FIELDS					
End of Comment					
299	(12B)	CHARACTER	1	DCMMSG1	MSG MODULE COMMUNICATIONS BYTE 1
		1... ..		DCMMSGWT	MOVE IN MESSAGE WAITING
		.1.		DCMUNMSG	MOVE IN UNVIEWABLE MESSAGE
		..1.		DCMSTEX	MOVE IN STATUS EXISTS
		...1		DCMCHOPT	MOVE IN CHANGE OPTIONS
		.... 1...		DCMELONG	MOVE IN ENTRY TOO LONG
		.... ..1.		DCMWRCDL	MOVE IN CON=N,DEL=Y
		.... ...1		DCMDELNT	MOVE IN DEL UNCHANGED, NO TIMER
		.... ...1		*	RESERVED
300	(12C)	CHARACTER	1	DCMMSG2	MSG MODULE COMMUNICATIONS BYTE 2
		1... ..		DCMDLREQ	MOVE IN DELETION REQUESTED
		.1.		DCMRQINC	MOVE IN REQUEST INCONSISTENT
		..1.		DCMMSGCR	MOVE IN INVALID CURSOR OPERATION
		...1		DCMINVOP	MOVE IN INVALID OPERAND
		.... 1...		DCMCILLP	MOVE IN ILLEGAL LP OPERATION
		.... .1..		DCMDELRI	MOVE IN DELETE REQUEST INCONSISTENT
		.... ..1.		DCMASYRT	MOVE IN ASYN ERROR RETRYABLE
		.... ...1		DCMASYCD	MOVE IN ASYN ERROR MAYBE RETRYABLE
301	(12D)	CHARACTER	1	DCMMSG3	MSG MODULE COMMUNICATIONS BYTE 3

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		DCMCMRLL	MOVE IN ROLL MODE MESSAGE
		.1.		DCMCCLR1	NO DELETABLE MESSAGES
		..1.		DCMCCLR2	INVALID RANGE
		...1		DCMCCLR3	SEG EQU TO ZERO
		.... 1..		DCMCCLR4	DISPLAY NOT ON SCREEN
		.... .1.		DCMCCLR5	INVALID OPERAND
		.... ..1.		*	RESERVED
		.... ...1		DCMDTBSY	COMMAND REJECTED - TASK BUSY
302	(12E)	CHARACTER	1	DCMCMG4	MSG MODULE COMMUNICATIONS BYTE 4
		1... ..		DCMPFKNA	MOVE IN PFK NOT ALLOCATED FOR
		.1.		DCMPFKND	MOVE IN PFK NOT DEFINED
		..1.		DCMPFKNO	MOVE IN NO PFK ALLOCATION
		...1		DCMPFKIP	MOVE IN PFK IN PROCESS
		.... 1..		DCMNPFT	MOVE IN NO PFK TABLES
		.... .1.		DCMTABND	MOVE IN PFK TABLE NOT DEFINED
		.... ..1.		DCMKRPIP	MOVE IN K REQUEST INCONSISTENT - PFK IN USE
		.... ...1		*	RESERVED
Comment					
SVC 34 COMMUNICATIONS FIELD					
End of Comment					
303	(12F)	CHARACTER	1	DCMSVC34	SVC 34 COMMUNICATION BYTE
		1... ..		DCMMYCMD	COMMAND TO BE HANDLED BY THIS CONS
		.1.		DCMINVLD	INVALID K COMMAND
		..1.		DCMTYPE1	K COMMAND IS NOT ROUTABLE
		...1		*	RESERVED
		.... 1..		*	RESERVED
		.... .1.		*	RESERVED
		.... ..1.		*	RESERVED
		.... ...1		*	RESERVED
304	(130)	CHARACTER	1	DCMCOM4	COMMUNICATION BYTE
		1... ..		*	Reserved. Was DCMCNTRL
		.111 1111		*	RESERVED
Comment					
INDEX FOR I/O ROUTINE					
End of Comment					
305	(131)	CHARACTER	1	DCMIONDX	INDEX FOR SELECTING THE APPROPRIATE IO ROUTINE X'04'=RESERVED
					X'08'=RESERVED X'0C'=RESERVED X'10'=3270-TYPE-DEVICE, IECEVETU
306	(132)	SIGNED	2	DCMTEST	RESERVED FOR TESTING
Comment					
MODULE ADDRESSES					
End of Comment					
308	(134)	CHARACTER	120	DCMADMOD	STRUCTURE OF MODULE ADDRESSES
308	(134)	ADDRESS	4	DCMIORTN	IECEVETU - APPROPRIATE I/O ROUTINE
312	(138)	CHARACTER	116	DCMNMDS	MODULE ADDRESS
312	(138)	ADDRESS	4	*	RESERVED
316	(13C)	ADDRESS	4	DCMNPORC	IECEVET1 - PROCESSOR ROUTINE LOAD ONE
320	(140)	ADDRESS	4	DCMNDSP1	IECEVET2 - DISPLAY ROUTINE 1
324	(144)	ADDRESS	4	DCMNDSP2	IECEVET3 - DISPLAY ROUTINE 2
328	(148)	ADDRESS	4	DCMNDSP3	IECEVET4 - DISPLAY ROUTINE 3
332	(14C)	ADDRESS	4	DCMNCMD1	IECEVET5 - COMMAND ROUTINE 1
336	(150)	ADDRESS	4	DCMNDL1	IECEVET6 - DELETE ROUTINE 1
340	(154)	ADDRESS	4	DCMNDL2	IECEVET7 - DELETE ROUTINE 2
344	(158)	ADDRESS	4	DCMNDL3	IECEVET8 - DELETE ROUTINE 3
348	(15C)	ADDRESS	4	DCMNDL4	IECEVET9 - DELETE ROUTINE 4
352	(160)	ADDRESS	4	DCMNOPT1	IECEVETA - OPTIONS ROUTINE 1
356	(164)	ADDRESS	4	DCMNPFK1	IECEVFTA - PFK ROUTINE 1
360	(168)	ADDRESS	4	DCMNPFK2	IECEVFTB - PFK ROUTINE 2
364	(16C)	ADDRESS	4	DCMNERR0	IECEVETC - ASYNCHRONOUS ERROR ROUTINE
368	(170)	ADDRESS	4	DCMNMMSG1	IECEVETD - MESSAGE ROUTINE 1
372	(174)	ADDRESS	4	DCMNMMSG2	IECEVETE - MESSAGE ROUTINE 2
376	(178)	ADDRESS	4	DCMNMMSG3	IECEVETF - MESSAGE ROUTINE 3
380	(17C)	ADDRESS	4	DCMNLPCR	IECEVETF - LIGHT PEN/CURSOR SERVICE ROUTINE
384	(180)	ADDRESS	4	DCMNOPCL	IECEVETG - OPEN/CLOSE ROUTINE
388	(184)	ADDRESS	4	DCMNCLN	IECEVFTG - CLEANUP MODULE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
392	(188)	ADDRESS	4	*	Reserved
396	(18C)	ADDRESS	4	DCMNTIMR	IIECVETK - TIMER INTERPRETER ROUTINE
400	(190)	ADDRESS	4	*	Reserved
404	(194)	ADDRESS	4	DCMNINT2	IIECVFTM - INTERFACE 2 ROUTINE
408	(198)	ADDRESS	4	DCMNINT3	IIECVFTN - INTERFACE 3 ROUTINE
412	(19C)	ADDRESS	4	*	Reserved. Was DCMNINT4(FTO)
416	(1A0)	ADDRESS	4	DCMNINT5	IIECVFTP - INTERFACE 5 ROUTINE
420	(1A4)	ADDRESS	4	DCMNINT6	IIECVFTQ - INTERFACE 6 ROUTINE
424	(1A8)	ADDRESS	4	*	Reserved. Was DCMNINT7(FTT)

Comment

DIDOCS MODULE TRACE AREA

End of Comment

428	(1AC)	CHARACTER	92	DCMTRACE	TO-AREA FOR TRACE MOVE
428	(1AC)	CHARACTER	2	*	OLDEST TRACE ENTRY
430	(1AE)	CHARACTER	90	DCMTRAC2	FROM-AREA FOR TRACE MOVE
430	(1AE)	CHARACTER	88	*	
518	(206)	CHARACTER	2	DCMTREN	CURRENT TRACE ENTRY
518	(206)	CHARACTER	1	DCMTREN1	1ST BYTE OF NEW ENTRY
519	(207)	CHARACTER	1	DCMTREN2	2ND BYTE OF NEW ENTRY

Comment

FOLLOWING GROUP OF BYTES ARE DEVICE DEPENDENT

End of Comment

520	(208)	CHARACTER	1	DCMASKEN	ENTER MASK
521	(209)	CHARACTER	1	DCMASKCN	CANCEL MASK
522	(20A)	CHARACTER	1	DCMASKCR	CURSOR MASK
523	(20B)	CHARACTER	1	DCMASKLP	LIGHT PEN MASK
524	(20C)	CHARACTER	1	DCMSKPF1	1ST PFK TYPE MASK
525	(20D)	CHARACTER	1	DCMSKPF2	2ND PFK TYPE MASK
526	(20E)	CHARACTER	1	DCMSKPF3	3RD PFK TYPE MASK
527	(20F)	CHARACTER	1	DCMSKPF4	4TH PFK TYPE MASK
528	(210)	CHARACTER	1	DCMASKCL	CLEAR KEY MASK
529	(211)	CHARACTER	1	DCMSKPA1	PA1 KEY MASK
530	(212)	CHARACTER	1	DCMSKPA3	PA3 KEY MASK
531	(213)	CHARACTER	1	DCMSKSRQ	Sys Request key
532	(214)	CHARACTER	4	*	RESERVED

Comment

ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER
WHEN IN FULL CAPABILITY MODE

End of Comment

536	(218)	ADDRESS	4	DCMSADCN	FIRST ADCON IN LIST
536	(218)	ADDRESS	4	DCMFLLA	LAST LINE IN MSG AREA
540	(21C)	ADDRESS	4	DCMFLL1A	LAST LINE IN MSG AREA + 1
544	(220)	ADDRESS	4	DCMFLSCT	SCT FOR LAST LINE IN MSG AREA
548	(224)	ADDRESS	4	DCMFST1	SCT FOR LAST LINE IN MSG AREA + 1
552	(228)	ADDRESS	4	DCMFSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
556	(22C)	ADDRESS	4	DCMFENT2	2ND LINE OF ENTRY AREA
560	(230)	ADDRESS	4	DCMFMC1	MCT FOR LAST LINE IN MSG AREA + 1
564	(234)	ADDRESS	4	*	RESERVED

(4294967301:562147192)

Comment

ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER
WHEN IN MESSAGE STREAM MODE

End of Comment

584	(248)	ADDRESS	4	DCMMLLA	LAST LINE IN MSG AREA
588	(24C)	ADDRESS	4	DCMMLL1A	LAST LINE IN MSG AREA + 1
592	(250)	ADDRESS	4	DCMMLSCT	SCT FOR LAST LINE IN MSG AREA
596	(254)	ADDRESS	4	DCMMSCT1	SCT FOR LAST LINE IN MSG AREA + 1
600	(258)	ADDRESS	4	DCMMSST	SSCT FOR LAST LINE IN MSG AREA + 1
604	(25C)	ADDRESS	4	DCMMMC1	MCT FOR LAST LINE IN MSG AREA + 1
608	(260)	ADDRESS	4	*	RESERVED

(4294967297:562147192)

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER WHEN IN STATUS DISPLAY MODE					
End of Comment					
612	(264)	ADDRESS	4	DCMDLLA	LAST LINE IN MSG AREA
616	(268)	ADDRESS	4	DCMDLL1A	LAST LINE IN MSG AREA + 1
620	(26C)	ADDRESS	4	DCMDLSCT	SCT FOR LAST LINE IN MSG AREA
624	(270)	ADDRESS	4	DCMDSCT1	SCT FOR LAST LINE IN MSG AREA + 1
628	(274)	ADDRESS	4	DCMDSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
632	(278)	ADDRESS	4	DCMDMCT1	MCT FOR LAST LINE IN MSG AREA + 1
636	(27C)	ADDRESS	4	*	RESERVED
(4294967297:562147192)					
Comment					
Miscellaneous Addresses/Fields					
End of Comment					
640	(280)	ADDRESS	4	DCMLSSCT	ADDRESS OF LAST SSCT
644	(284)	ADDRESS	4	DCMAEORD	ADDR OF ADJUNCT EXTENDED ORDERS
648	(288)	ADDRESS	4	DCMQAPTR	ADDR OF DATA OBTAINED FROM READ PARTITION QUERY
652	(28C)	ADDRESS	4	DCMFIMCT	ADDRESS OF FIRST MCT
656	(290)	ADDRESS	4	DCMLAMCT	ADDRESS OF LAST MCT
660	(294)	ADDRESS	4	DCMOOL_SIB_PTR	ADDRESS OF OUT-OF-LINE SIB
664	(298)	ADDRESS	4	DCMOOL_FRST	POINTER TO FIRST LINE IN OOL SIB
668	(29C)	SIGNED	4	DCMIORTN_COMM	I/O ROUTINE COMMUNICATION FIELD
672	(2A0)	ADDRESS	4	DCM_MGCRE_PTR	Pointer to MGCRE parameter list
676	(2A4)	ADDRESS	4	*	RESERVED
Comment					
NUMBER OF LINES IN MESSAGE AREA AND ENTRY AREA VALUES					
End of Comment					
680	(2A8)	UNSIGNED	1	DCMFNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN FULL CAPABILITY MODE
681	(2A9)	UNSIGNED	1	DCMMNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN MESSAGE STREAM MODE
682	(2AA)	UNSIGNED	1	DCMDNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN STATUS DISPLAY MODE
683	(2AB)	UNSIGNED	1	DCMENTL1	LINE NUMBER -1 OF 1ST LINE IN ENTRY AREA
684	(2AC)	UNSIGNED	1	DCMENTL2	LINE NUMBER -1 OF 2ND LINE IN ENTRY AREA
685	(2AD)	UNSIGNED	1	DCMINLNM	LINE NUMBER -1 OF INSTRUCTION LINE
686	(2AE)	SIGNED	2	*	RESERVED
688	(2B0)	SIGNED	2	DCMFENRC	ADDR OF 2ND LINE IN ENTRY AREA IN ROW-COLUMN FORMAT
690	(2B2)	SIGNED	2	DCMENTPO	OFFSET OF 1ST CHAR IN ENTRY AREA
692	(2B4)	SIGNED	2	DCMSCRW	WIDTH OF SCREEN
694	(2B6)	SIGNED	2	DCMLENTY	LENGTH OF ENTRY AREA
696	(2B8)	SIGNED	4	*	RESERVED
Comment					
Pointers for last command retrieve buffer.					
End of Comment					
700	(2BC)	ADDRESS	4	DCMRBUFC	Pointer to next command to be executed by the enter function
704	(2C0)	ADDRESS	4	DCMRBUFA	Pointer to last command retrieve buffer
708	(2C4)	ADDRESS	4	DCMRBUFR	Pointer to next entry in last command buffer to be retrieved
712	(2C8)	ADDRESS	4	DCMRBUFE	Pointer to next entry in last command buffer to be copied into
716	(2CC)	ADDRESS	4	DCMRBFRC	Pointer to current entry in last command buffer used for retrieve function
720	(2D0)	CHARACTER	108	*	Reserved
Comment					
SAVE AREAS					
End of Comment					
828	(33C)	SIGNED	4	DCMTLEN	TDCM LENGTH
832	(340)	CHARACTER	6	DCMAIDSV	SAVE AREA FOR AID FROM RMI

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
838	(346)	SIGNED	2	*	RESERVED
840	(348)	ADDRESS	4	DCMTRDCM	POINTER TO RDCM
844	(34C)	ADDRESS	4	DCMNXTOR	ADDR OF NEXT ADJUNCT EXTENDED ORDER
848	(350)	UNSIGNED	1	DCMCROW	CURRENT ROW NUMBER -1
849	(351)	UNSIGNED	1	DCMCCOL	CURRENT COL NUMBER -1
850	(352)	BITSTRING	1	DCMMFRMF	FULL CAPABILITY MFORM SAVEAREA
		1...		DCMMFRFT	DISPLAY TIME STAMP
		.1..		DCMMFRFJ	DISPLAY JOB NAME
		..1.		DCMMFRFS	DISPLAY SYSTEM NAME
		...1		DCMMFRFX	DON'T DISPLAY SYSTEM NAME AND JOB NAME
		.... 1111		*	RESERVED
851	(353)	CHARACTER	2	DCMDELFC	FULL CAPABILITY DEL SAVE
853	(355)	CHARACTER	1	DCMCONF	FULL CAPABILITY CON SAVE
854	(356)	UNSIGNED	1	DCMSEGFC	FULL CAPABILITY SEG SAVE
855	(357)	UNSIGNED	1	DCMRNUMF	FULL CAPABILITY RNUM SAVE
856	(358)	UNSIGNED	2	DCMRTMEF	FULL CAPABILITY RTME SAVE IN TENTHS OF SECONDS
858	(35A)	BITSTRING	1	DCMMFRMM	MESSAGE STREAM MFORM SAVEAREA
		1...		DCMMFRMT	DISPLAY TIME STAMP
		.1..		DCMMFRMJ	DISPLAY JOB NAME
		..1.		DCMMFRMS	DISPLAY SYSTEM NAME
		...1		DCMMFRMX	DON'T DISPLAY SYSTEM NAME AND JOB NAME
		.... 1111		*	RESERVED
859	(35B)	CHARACTER	2	DCMDELMS	MESSAGE STREAM DEL SAVE
861	(35D)	CHARACTER	1	DCMCONMS	MESSAGE STREAM CON SAVE
862	(35E)	UNSIGNED	1	DCMSEGMS	MESSAGE STREAM SEG SAVE
863	(35F)	UNSIGNED	1	DCMRNUMM	MESSAGE STREAM RNUM SAVE
864	(360)	UNSIGNED	2	DCMRTMEM	MESSAGE STREAM RTME SAVE IN TENTHS OF SECONDS
866	(362)	SIGNED	2	DCMQALEN	LENGTH OF AREA TO HOLD READ PARTITION QUERY
868	(364)	SIGNED	2	DCMSTOFF	START OFFSET OF MULTIPLE COMMAND PARSE
870	(366)	SIGNED	2	DCMNDOFF	END OFFSET OF MULTIPLE COMMAND TEXT
872	(368)	UNSIGNED	1	DCMOOL_LINEN	LINE NUMBER OF START OF OOL TO WRITE
873	(369)	UNSIGNED	3	*	Reserved
876	(36C)	SIGNED	4	DCMOOL_BYTCT	NUMBER OF BYTES TO WRITE FOR AN OOL

Comment

THE DCMBUFFER WORK AREA IS TO BE USED ON A MODULE-BY-MODULE BASIS ONLY. THIS AREA MUST NOT BE USED AS A COMMUNICATION MEDIUM. DOING SO WOULD DEFEAT THE PURPOSE OF GIVING THE DIDOCS MODULES A SAFE WORK AREA.

End of Comment

880	(370)	CHARACTER	168	DCMBUFER	MODULE WORK AREA
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Comment

MCS LOGON COMMUNICATIONS FIELDS

Note these fields are used by logon processing to display the logon panel with the userid, password, group, and seclabel contained within them.

End of Comment

1048	(418)	BITSTRING	1	DCMBFLGS	MCS LOGON COMMUNICATIONS FLAGS@L8A
		1...		DCMWLGPR	GENERATE LOGON PROMPT
		.1..		DCMDIDLG	DIDOCS GENERATED LOGON
		..1.		DCMLGMSG	WRITE LOGON MESSAGE
		...1		DCMICUPW	INSERT CURSER UNDER PASSWORD
		.... 1..		DCMICUGP	INSERT CURSER UNDER GROUP
		.... .1..		DCMICUSC	INSERT CURSER UNDER SECCLASS
		.... ..11		*	RESERVED
1049	(419)	UNSIGNED	1	DCMEMTYP	ERROR MESSAGE TYPE
1050	(41A)	CHARACTER	8	DCMUSRID	USERID ENTERED WITH LOGON
1058	(422)	CHARACTER	26	DCMPWORD	PASSWORD ENTERED WITH LOGON
1084	(43C)	CHARACTER	8	DCMGROUP	GROUP ENTERED WITH LOGON
1092	(444)	CHARACTER	8	DCMSCCLS	SECCLASS ENTERED WITH LOGON

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
<p>THE DCMWORK WORK AREA IS TO BE USED ON A MODULE-BY-MODULE BASIS ONLY. THIS AREA MUST NOT BE USED AS A COMMUNICATION MEDIUM. DOING SO WOULD DEFEAT THE PURPOSE OF GIVING THE DIDOCS MODULES A SAFE WORK AREA.</p>					
End of Comment					
1100	(44C)	CHARACTER	16	DCMWORK	MODULE WORK AREA
1100	(44C)	CHARACTER	4	DCMWORKA	WORK AREA A
1104	(450)	CHARACTER	4	DCMWORKB	WORK AREA A
1108	(454)	CHARACTER	4	DCMWORKC	WORK AREA A
1112	(458)	CHARACTER	4	DCMWORKD	WORK AREA A
Comment					
<p>DCMCSNM STORES THE COMMAND ASSOCIATION FOR MCS CONSOLE</p>					
End of Comment					
1116	(45C)	CHARACTER	8	DCMCSNM	COMMAND ASSOCIATION
Comment					
<p>CHANNEL PROGRAM AREA</p>					
End of Comment					
1124	(464)	CHARACTER	3	DCMPFKC	SBA-A1-A2 FOR PFK LINE
1124	(464)	CHARACTER	1	*	SET BUFFER ADDR
1125	(465)	CHARACTER	2	DCMPFKRC	ADDR OF PFK LINE IN ROW-COLUMN FORMAT
1127	(467)	CHARACTER	1	*	RESERVED to get to DWORD bdy
1128	(468)	CHARACTER	1	DCMWCC	WRITE CONTROL CHARACTER
1129	(469)	CHARACTER	1	DCMEWAWC	WRITE CONTROL CHARACTER FOR ERASE/WRITE ALTERNATE
1130	(46A)	CHARACTER	7	DCMERSDT	ERASE SCREEN DATA (SBA-A1-A2-RA-A1-A2-BLANK)
1137	(471)	CHARACTER	4	DCMCRSDT	INSERT CURSOR DATA (SBA-A1-A2-IC)
1141	(475)	CHARACTER	1	DCMWCC_RESTORE	WCC for restoring keyboard
1142	(476)	CHARACTER	2	*	RESERVED
1144	(478)	CHARACTER	8	DCMCCWS	SELECT CCW
Comment					

DCMCHPGM is used for the CCWs for MCS consoles and Write Structured Fields (WSF) for SMCS consoles. This area must be large enough to contain enough CCWs or WSFs to write an entire screen of data. To calculate the number of CCWs or WSFs needed, the following calculation is used:

$((\text{Max Rows}) (\text{Max Cols})) / (\text{Device Buffer Size})$
 IECCVFTW can build a TDCM that is 255 rows and 255 columns, however, since DIDOCS can only use 14-bit addressing, $((\text{Max Rows}) (\text{Max Cols})) < 16384$. If DIDOCS is ever able to support 16-bit addressing, these calculations will be invalid and must be recalculated. The Device Buffer Size is dependent on the type of console. For MCS consoles, a 7K buffer size is used to perform the calculations:

$((\text{Max Rows}) (\text{Max Cols})) / (\text{Device Buffer Size})$
 $16383 / 7168 = 3$

DCMCHPGM must be big enough to hold 2 CCWs.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
<p>For SMCS consoles, the Device Buffer Size is variable. It is based on the RU size, and is a minimum of 1K and a maximum of 4K. Using the 1K buffer size: ((Max Rows) (Max Cols))/(Device Buffer Size) 16383 / 1024 = 16</p> <p>DCMCHPGM must be big enough to hold 15 WSFs. In reality, DCMCHPGM must be slightly larger, because these calculations only take into account the text that is actually written to the screen. There is other information that must also be written, such as the adjunct color orders. DCMCHPGM is actually large enough to hold 25 WSFs for SMCS consoles and 19 CCWs for MCS consoles.</p>					
End of Comment					
1152	(480)	CHARACTER	152	DCMCHPGM	CHANNEL PROGRAM AREA
1304	(518)	CHARACTER	2	DCMAAREA	CONVERSION AREA FOR A BUFFER POSITION
1304	(518)	CHARACTER	1	DCMROWA	ROW POSITION
1305	(519)	CHARACTER	1	DCMCOLA	COLUMN POSITION
1306	(51A)	CHARACTER	2	*	RESERVED
Comment					
SNA MCS Fields					
End of Comment					
1308	(51C)	ADDRESS	4	DCMS_WSFA_PTR	POINTER TO SMCS WSF AREA
1312	(520)	ADDRESS	4	DCMS_INAREA_PTR	POINTER TO INPUT AREA FOR MCS/SMCS
1316	(524)	ADDRESS	4	DCMS_WSFA_CURPTR	POINTER TO CURRENT WSF
1320	(528)	SIGNED	4	DCMS_WSFA_LEN	LENGTH OF WSF AREA
1324	(52C)	ADDRESS	4	DCMS_BLENТА_PTR	POINTER TO BUFFER LIST ENTRIES
1328	(530)	ADDRESS	4	DCMS_BLENT_CURPTR	POINTER TO CURRENT BUFFER LIST ENTRY
1332	(534)	SIGNED	4	DCMS_BLENT_LEN	LENGTH OF BUFFER LIST ENTRIES
1336	(538)	SIGNED	2	DCMS_REISSUE_CNT	NUMBER OF TIMES I/O RETRIED
Comment					
<p>DCMS_FLAGS must not contain flags that are used outside of IEDEVET1's load module for serialization reasons. Flags that are used outside of IEDEVET1 may be placed in DCMS_FLAGS2 instead.</p>					
End of Comment					
1338	(53A)	BITSTRING	1	DCMS_FLAGS	SMCS CONSOLE FLAGS
		1... ..		DCMS_RECV_ISSUED	A RECEIVE IS OUTSTANDING FOR THIS SMCS CONSOLE
		.1.. ..		DCMS_RE_RECEIVE	Need to go to I/O routine to reissue RECEIVE
		..1.		DCMS_ERSET	WSF CONTAINS ERASE/RESET
		...1		DCMS ETF_EXIT	
		.... 1..		DCMS_LU2	I/O ROUTINE TO EXIT TO IEDEVETF
		.... .1..		DCMS_LOGON_PROMPT_IN_ENTRY_AREA	LU2 TYPE OF DEVICE (AS OPPOSED TO LU0) Logon prompt is currently in the entry area
Comment					
<p>The CONSOLE local lock must always be held when updating the DCMS_FLAGS2 byte. These flags may be referenced outside of IEDEVET1.</p>					
End of Comment					
1339	(53B)	BITSTRING	1	DCMS_FLAGS2	SMCS CONSOLE FLAGS 2
		1... ..		*	Reserved (used to be DCMS_Output_Suspended)
		.1.. ..		DCMS_NBB_REQUIRED	

TDCM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		DCMS_DOING_SIGNAL	"IN BRACKET" STATE SO I/O MUST START WITH NBB (I.E., WE ARE IN THE MIDDLE OF BRACKETS)
1340	(53C)	ADDRESS	4	DCMS_MAX_WSF_LEN	IEECVETZ is doing a SIGNAL@05A
1344	(540)	ADDRESS	4	DCMS_RU_SIZE	Max size of a WSF RU Size from BIND
Comment					
<p>The following fields contain screen location information when the LOGON prompt is on the screen. It is used for SMCS consoles to put the response to the prompt back into the entry area. These fields are always calculated, but are only used by consoles that support the extended data stream.</p>					
End of Comment					
1348	(544)	ADDRESS	4	DCMS_UID_AREA	Ptr to Entry area for Userid
1352	(548)	BITSTRING	2	DCMS_UID_14BIT	14-Bit screen address of Userid
1354	(54A)	BITSTRING	2	DCMS_UID_12BIT	12-Bit screen address of Userid
1356	(54C)	ADDRESS	4	DCMS_PWRD_AREA	Ptr to Entry area for Paswr
1360	(550)	BITSTRING	2	DCMS_PWRD_14BIT	14-Bit screen address of Password
1362	(552)	BITSTRING	2	DCMS_PWRD_12BIT	12-Bit screen address of Password
1364	(554)	ADDRESS	4	DCMS_GRP_AREA	Ptr to Entry area for Group
1368	(558)	BITSTRING	2	DCMS_GRP_14BIT	14-Bit screen address of Group
1370	(55A)	BITSTRING	2	DCMS_GRP_12BIT	12-Bit screen address of Group
1372	(55C)	ADDRESS	4	DCMS_SECC_AREA	Ptr to Entry area for SecCls
1376	(560)	BITSTRING	2	DCMS_SECC_14BIT	14-Bit screen address of SecClass
1378	(562)	BITSTRING	2	DCMS_SECC_12BIT	12-Bit screen address of SecClass
1380	(564)	ADDRESS	4	DCMS_UID_PMPT	Address of LOGON text in entry area
1384	(568)	ADDRESS	4	DCMS_PWRD_PMPT	Address of PASSWORD text in entry area
1388	(56C)	ADDRESS	4	DCMS_GRP_PMPT	Address of GROUP text in entry area
1392	(570)	ADDRESS	4	DCMS_SECC_PMPT	Address of SECLABEL text in entry area
1396	(574)	ADDRESS	4	DCMS_CHGM_PMPT	Address of OLD/NEW/NEW text in entry area
1400	(578)	UNSIGNED	1	DCM_UID_TEXT	Offset within the entry area of LOGON text
1401	(579)	UNSIGNED	1	DCM_UID_COL	Offset within the entry area of the userid field
1402	(57A)	UNSIGNED	1	DCM_PWRD_TEXT	Offset within the entry area of PASSWORD text
1403	(57B)	UNSIGNED	1	DCM_PWRD_COL	Offset within the entry area of the password field
1404	(57C)	UNSIGNED	1	DCM_CHGM_TEXT	Offset within the entry area of the OLD/NEW/NEW text
1405	(57D)	UNSIGNED	1	DCM_GRP_TEXT	Offset within the entry area of the GROUP text
1406	(57E)	UNSIGNED	1	DCM_GRP_COL	Offset within the entry area of the group field
1407	(57F)	UNSIGNED	1	DCM_GRP_END	Offset within the entry area of the end of the group field (this is used to set the attributes at the end of the field, since GROUP and SECLABEL are not always on the same line)
1408	(580)	UNSIGNED	1	DCM_SECC_TEXT	Offset within the entry area of the SECLABEL text
1409	(581)	UNSIGNED	1	DCM_SECC_COL	Offset within the entry area of the secclass field
1410	(582)	UNSIGNED	1	DCM_REST_COL	Offset within the entry area of the end of the secclass field. This is used to set up the attributes of the rest of the entry area
1411	(583)	UNSIGNED	1	DCM_UID_E_COL	Offset within the entry area of the cursor position for the userid field
1412	(584)	UNSIGNED	1	DCM_PWRD_E_COL	Offset within the entry area of the cursor position for the password field
1413	(585)	UNSIGNED	1	DCM_GRP_E_COL	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1414	(586)	UNSIGNED	1	DCM_GRPEND_E_COL	Offset within the entry area of the cursor position for the group field
1415	(587)	UNSIGNED	1	DCM_SECC_E_COL	Offset within the entry area of the end of the group field. This is used to set the attributes of the SECLABEL text.
1416	(588)	UNSIGNED	1	DCM_REST_E_COL	Offset within the entry area of the cursor position for the secclas field
1417	(589)	UNSIGNED	1	DCM_PWRD_E_TEXT	Offset within the entry area of the end of the secclass field. This is used to set the attributes of the remainder of the entry area
1418	(58A)	UNSIGNED	1	DCM_GRP_E_TEXT	Offset within the entry area of the PASSWORD text used for setting the attributes of that text
1419	(58B)	UNSIGNED	1	DCM_CHGM_E_TEXT	Offset within the entry area of the GROUP text used for setting the attributes of that text
1420	(58C)	UNSIGNED	1	DCM_SECC_E_TEXT	Offset within the entry area of the OLD/NEW/NEW text used for setting the attributes of that text
					Offset within the entry area of the SECLABEL text used for setting the attributes of that text

Comment

SMCS I/O Communication Area

End of Comment

1421	(58D)	BITSTRING	1	DCMS_IO_COMM_FLAGS	SMCS I/O Communication Area
		1... ..		DCMS_SSE_INVOKED	IIECVSSE was invoked
		.1.. ..		DCMS_SSP_INVOKED	IIECVSSP was invoked
		..1.		DCMS_GOOD_IO	I/O was successful
		...1		DCMS_RETRY_IO	Retry last I/O
		.... 1..		DCMS_NEW_RECEIVE	Hang new RECEIVE
		.... .1..		DCMS_SAT_INVOKED	IIECVSAT was invoked
1422	(58E)	CHARACTER	2	*	Reserved

Comment

SENSE code trace for SMCS consoles.

End of Comment

1424	(590)	CHARACTER	72	DCMS_SENSE_TRACE	SENSE code trace
1424	(590)	CHARACTER	12	*	Oldest trace entry
1436	(59C)	CHARACTER	60	DCMS_SENSE_TRACE_2_MOVE	Portion of trace to copy when adding to the table
1436	(59C)	CHARACTER	48	*	
1484	(5CC)	CHARACTER	12	DCMS_LAST_SENSE	Newest SENSE trace entry

Comment

IOBE. Mapped by IOSDIOBE. If the IOB ever grows in size, this will have to be updated. Use the reserved field from the bottom up to reduce the exposure that a larger IOBE will overlay data.

End of Comment

1496	(5D8)	CHARACTER	48	DCM_IOBE	IOB Extension
1544	(608)	CHARACTER	48	*	Reserved
1592	(638)	CHARACTER	0	*	END ON WORD BOUNDARY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	DCMSCTA	

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	BITSTRING	1	DCMSCTA1	FIRST BYTE OF AN SCT
		1.. ..		DCMMSGOR	WTOR MESSAGE DISPLAYED
		.1.. ..		DCMMSGIN	MESSAGE DISPLAYED IN LINE
		..1.		DCMMSGCN	MESSAGE CONTINUED ON NEXT NEXT LINE
		...1		*	Reserved - Was DCMMSGJK
		.... 1..		DCMMSGAD	MESSAGE CAN BE AUTO DELETED
		.... .1..		DCMMSGRD	REQUEST HAS SPECIFIED MESSAGE BE REMOVED
		.... ..1.		DCMMSGIF	INFORMATIONAL MESSAGE IN LINE
		.... ...1		DCMMSGST	END OF TABLE INDICATOR

Comment

SECOND BYTE OF AN SCT

End of Comment

1	(1)	BITSTRING	1	DCMSCTA2	SECOND BYTE OF AN SCT
		1.. ..		DCMMSGAC	ACTION MESSAGE
		.1.. ..		DCMMSGC7	DESCRIPTOR CODE 7 MESSAGE
		..1.		DCMMSG_AUTOR	Auto-Reply monitoring this WTOR
		...1		DCMMSGUA	URGENT ATTENTION MESSAGE DISPLAYED IN LINE
		.... 1..		DCMMSGEA	EVENTUAL ACTION MESSAGE DISPLAYED IN LINE - WAS DCMMSGIR
		.... .1..		DCMMSGCT	THIS IS A CONTINUED LINE
		.... ..1.		DCMMSGPP	ISSUED BY PROBLEM PROGRAM
		.... ...1		DCMMSGCL	CONTROL LINE OF AN IN-LINE MLWTO

Comment

THIRD BYTE OF AN SCT

End of Comment

2	(2)	BITSTRING	1	DCMSCTA3	THIRD BYTE OF AN SCT
		1.. ..		*	Reserved
		.1.. ..		DCMSEPLN	Separator line is in this line
		..11 1111		*	Reserved

Comment

FOURTH BYTE OF AN SCT

End of Comment

3	(3)	BITSTRING	1	DCMSCTA4	FOURTH BYTE OF AN SCT
		1.. ..		DCMMSGCO	MESSAGE COLOR CHANGED BY WTO EXIT
		.1.. ..		DCMMSGHI	MESSAGE HIGHLIGHTING CHANGED BY WTO EXIT
		..1.		DCMMSGIT	MESSAGE INTENSITY CHANGED BY WTO EXIT

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	2	DCMSCTC	
0	(0)	BITSTRING	1	DCMSCTC1	FIRST BYTE OF AN SSCT
		1.. ..		DCMSECCL	CONTROL LINE OF O-O-L DISPLAY
		.1.. ..		DCMSECLL	LABEL LINE OF O-O-L DISPLAY
		..1.		DCMSECDL	DATA LINE OF O-O-L DISPLAY
		...1		DCMSECBL	THIS LINE IS BLANKED
		.... 1..		DCMSEC_NEEDS_REFORMAT	Line needs to be reformatted before being displayed. Set for a control line when it is first placed in SIB. Once reformatted and displayed, this bit will not be on
		.... .1..		*	RESERVED - WAS DCMSECYY
		.... ..1.		*	Reserved - Was DCMSECDD
		.... ...1		DCMSECST	END OF TABLE INDICATOR

Comment

SECOND BYTE OF AN SSCT ENTRY

End of Comment

1	(1)	BITSTRING	1	DCMSCTC2	SECOND BYTE OF AN SSCT
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Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	11	DCMORDER	EXTENDED ORDERS
0	(0)	CHARACTER	3	DCMSBAO	SET BUFFER ADDRESS FIELD
0	(0)	UNSIGNED	1	DCMSBA	SET BUFFER ADDRESS ORDER
1	(1)	UNSIGNED	1	DCMSBAA1	SET BUFFER ADDRESS ROW ADDR
2	(2)	UNSIGNED	1	DCMSBAA2	SET BUFFER ADDRESS COL ADDR
3	(3)	CHARACTER	8	DCMSFEO	START FIELD EXTENDED FIELD
3	(3)	UNSIGNED	1	DCMSFE	START FIELD EXTENDED ORDER
4	(4)	UNSIGNED	1	DCMSFEN	NUMBER OF TYPE/VALUE PAIRS WHICH FOLLOW
5	(5)	UNSIGNED	1	DCMSFEFT	FIELD ATTRIBUTE TYPE
6	(6)	UNSIGNED	1	DCMSFEFA	FIELD ATTRIBUTE VALUE
7	(7)	UNSIGNED	1	DCMSFECT	COLOR ATTRIBUTE TYPE
8	(8)	UNSIGNED	1	DCMSFECA	COLOR ATTRIBUTE VALUE
9	(9)	UNSIGNED	1	DCMSFEHT	HIGHLIGHTING ATTRIBUTE TYPE
10	(A)	UNSIGNED	1	DCMSFEHA	HIGHLIGHTING ATTRIBUTE VALUE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	STRUCTURE	7	DCMSAO	SET ATTRIBUTE FIELD
3	(3)	UNSIGNED	1	DCMSA1	SET ATTRIBUTE ORDER
4	(4)	UNSIGNED	1	DCMSAHT	HIGHLIGHTING ATTRIBUTE TYPE
5	(5)	UNSIGNED	1	DCMSAHA	HIGHLIGHTING ATTRIBUTE VALUE
6	(6)	CHARACTER	1	DCMSADAT	DATA TO HIGHLIGHT
7	(7)	UNSIGNED	1	DCMSA2	SET ATTRIBUTE ORDER
8	(8)	UNSIGNED	2	DCMSARST	CHARACTER ATTRIBUTE RESET

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	18	DCMDOMEN	MAP OF A DOM ENTRY
0	(0)	ADDRESS	4	DCMDTCB	JOBSTEP TCB ADDRESS
4	(4)	CHARACTER	4	DCMDOMID	FOUR BYTE DOM ID
4	(4)	UNSIGNED	1	DCMDSYID	SYSTEM ID
5	(5)	CHARACTER	3	DCMDMID	DOM ID
8	(8)	CHARACTER	6	DCMDTKAS	TOKEN AND ASID
8	(8)	CHARACTER	4	DCMDTOKN	DOM TOKEN
12	(C)	UNSIGNED	2	DCMDASID	ASID
14	(E)	CHARACTER	4	DCMDRSVD	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	136	DCMRBUF	Map of a command retrieve buffer entry
0	(0)	ADDRESS	4	DCMRBUFF	Pointer to next command retrieve buffer entry
4	(4)	ADDRESS	4	DCMRBUFB	Pointer to previous command retrieve buffer entry
8	(8)	CHARACTER	126	DCMRBUFT	Command text
134	(86)	CHARACTER	2	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	DCMMCTEN	
0	(0)	BITSTRING	1	DCMMCTCO	FIRST BYTE OF A MCT ENTRY
		1... ..		DCMBLUE	MESSAGE COLOR IS BLUE
		.1..		DCMRRED	MESSAGE COLOR IS RED
		..1.		DCMPINK	MESSAGE COLOR IS PINK
		...1		DCMGREEN	MESSAGE COLOR IS GREEN
		.... 1...		DCMTURQ	MESSAGE COLOR IS TURQUOISE
		.... .1..		DCMYELLOW	MESSAGE COLOR IS YELLOW
		.... ..1.		DCMWHITE	MESSAGE COLOR IS WHITE
		.... ...1		DCMMCTST	TABLE STOPPER

Comment					
SECOND BYTE OF A MCT					
End of Comment					

1	(1)	BITSTRING	1	DCMMCTHI	SECOND BYTE OF A MCT ENTRY
		1... ..		DCMHNONE	NO HIGHLIGHTING IN EFFECT
		.1..		DCMBLINK	BLINKING HIGHLIGHTING

TDCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		DCMRVIDO	REVERSE VIDEO HIGHLIGHT
		...1		DCMUNDER	UNDERLINE HIGHLIGHT
Comment					
THIRD BYTE OF A MCT					
End of Comment					
2	(2)	BITSTRING	1	DCMMCTIN	THIRD BYTE OF A MCT
		1...		DCMINORM	NORMAL INTENSITY
		.1..		DCMIHIGH	HIGH INTENSITY
Comment					
FOURTH BYTE OF A MCT					
End of Comment					
3	(3)	BITSTRING	1	DCMMCTRV	FOURTH BYTE OF A MCT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	264	DCMS_INAREA	INPUT AREA
0	(0)	CHARACTER	6	DCMS_ORDERS	3270 ORDERS ON INPUT
0	(0)	CHARACTER	1	DCMS_AID	ATTENTION ID
1	(1)	CHARACTER	2	DCMS_CURSOR	CURSOR ADDRESS
3	(3)	CHARACTER	1	DCMS_SBA	SET BUFFER ADDRESS ORDER
4	(4)	CHARACTER	2	DCMS_MODADDR	ADDRESS OF MODIFIED FIELD
6	(6)	CHARACTER	256	DCMS_ENTRYAR	ENTRY AREA FOR MCS/SMCS CONSOLES. HAS TO BE LARGE ENOUGH TO HANDLE LARGEST 1 LINE ENTRY AREA (255 COLUMNS) OR 2 LINE ENTRY AREA (128 COLUMNS PER LINE)
262	(106)	CHARACTER	2	*	FORCE ALIGNMENT
264	(108)	CHARACTER	0	*	BOUNDARY ALIGNMENT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	7	DCMS_WSFAREA	WSF AREA
0	(0)	CHARACTER	1	DCMS_WSF_ID	WSF ID
1	(1)	CHARACTER	6	DCMS_WSF	3270 WRITE STRUCTURED FIELD
1	(1)	CHARACTER	2	DCMS_WSF_LEN	LENGTH OF WSF AND DATA
3	(3)	CHARACTER	2	DCMS_WSF_OPERATION	Values are: 4000 - 3270 data stream request 0380 - Erase/Reset screen and put device in alternate screen size
5	(5)	CHARACTER	1	DCMS_WSF_CMDCODE	COMMAND CODES (EWA, WRITE ETC)
6	(6)	CHARACTER	1	DCMS_WSF_WCC	WRITE CONTROL CHARACTER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1484	(5CC)	STRUCTURE	12	DCMS_SENSE	Sense trace entry
1484	(5CC)	CHARACTER	2	DCMS_SENSE_RTNC	RTNCD from RPL
1486	(5CE)	CHARACTER	2	DCMS_SENSE_FDBK2	FDBK2 from RPL
1488	(5D0)	CHARACTER	2	DCMS_SENSE_SSENSEI	System Sense
1490	(5D2)	CHARACTER	2	DCMS_SENSE_SSENSMI	System Sense Modifier
1492	(5D4)	CHARACTER	4	DCMS_SENSE_USENSEI	User Sense

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	116	DCMHMCS_DATA	entry
0	(0)	ADDRESS	4	DCMHMCS_CURR_MLST@	Address of current MLst entry being processed

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	SIGNED	4	DCMHMCS_CURR_WRITE_BYTE_COUNT	Number of bytes of data that will be written in the next I/O operation
8	(8)	CHARACTER	1	DCMHMCS_EWA_CMD_CODE	EWA command code
9	(9)	CHARACTER	1	DCMHMCS_WRITE_CMD_CODE	Write command code
10	(A)	CHARACTER	1	DCMHMCS_READMOD_CMD_CODE	Read Modified command code
11	(B)	BITSTRING	1	DCMHMCS_FLAGS	Flags
		1... ..		DCMHMCS_FLAG_IO_FOR_READ	I/O is being done to read data from the console
12	(C)	ADDRESS	4	DCMHMCS_SPIPARM_ADDRESS	Address of SPI parameter list
16	(10)	ADDRESS	4	DCMHMCS_MLST_ADDRESS	Address of the MLst
20	(14)	CHARACTER	72	DCMHMCS_SAVEAREA	Save area used for I/O processing
92	(5C)	SIGNED	4	DCMHMCS_MAX_MLST_USED	Maximum number of MLst entries used
96	(60)	SIGNED	4	DCMHMCS_MAX_BYTES_USED	Maximum number of bytes sent in one MLst entry
100	(64)	CHARACTER	16	*	Reserved

TDCM Constants

Len	Type	Value	Name	Description
Comment				
CONTROL BLOCK VERSIONS - POSSIBLE VALUES OF DCMTVERN				
End of Comment				
1	DECIMAL	10	DCMTVRID	Current Version level
1	DECIMAL	1	DCMTSP21	OS/VS2 HBB2102 LEVEL
1	DECIMAL	2	DCMTS212	OS/VS2 JBB2125 LEVEL
1	DECIMAL	3	DCMTS220	OS/VS2 JBB2220 LEVEL
1	DECIMAL	6	DCMTS713	JBB7713 Version Level
1	DECIMAL	10	DCMTHBB7770	HBB7770 Version Level

Comment

The following constants are the lengths of each field (including trailing blanks) and are used to calculate the screen positions of all of the fields.

End of Comment				
1	DECIMAL	6	DCM_LENGTH_UID_TEXT	Length of LOGON text
1	DECIMAL	9	DCM_LENGTH_PWRD_TEXT	Length of PASSWORD text
1	DECIMAL	12	DCM_LENGTH_CHGM_TEXT	Length of OLD/NEW/NEW text
1	DECIMAL	6	DCM_LENGTH_GRP_TEXT	Length of GROUP text
1	DECIMAL	9	DCM_LENGTH_SECC_TEXT	Length of SECLABEL text
1	DECIMAL	9	DCM_LENGTH_UID_FIELD	Length of userid field
1	DECIMAL	27	DCM_LENGTH_PWRD_FIELD	Length of password field
1	DECIMAL	9	DCM_LENGTH_GRP_FIELD	Length of group field
1	DECIMAL	9	DCM_LENGTH_SECC_FIELD	Length of secclass field
4	DECIMAL	136	DCMRBFLN	Length of command retrieve buffer entry
4	DECIMAL	18	DCMDOMLN	Length of DOM entry
4	DECIMAL	264	DCMS_INAREA_LEN	LENGTH OF INPUT AREA

TDCM Cross Reference

Len	Type	Value	Name	Description
Comment				
Codes for 3270 Orders				
End of Comment				
4	DECIMAL	13	DCM_3270_EWA_CMD_CODE	
4	DECIMAL	1	DCM_3270_WRITE_CMD_CODE	
4	DECIMAL	6	DCM_3270_READMOD_CMD_CODE	
4	DECIMAL	20	DCMHMCS_MLST_MAX_ENTRIES	Maximum number of MLst entries that we can use
Comment				
Constants				
End of Comment				
4	DECIMAL	229	DCM_KSUBPOOL	
4	DECIMAL	239	DCM_KSUBPOOL_HMCS	
4	DECIMAL	4001	DCMHMCS_MAX_DATA	Max number of bytes of data to write at one time to HMCS. Determined by trial and error ('FA1'x)

TDCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCM_BUFFER_2_ENTRY_NEEDED	11C	01	DCMAAREA	518	
DCM_CHGM_E_TEXT	58B		DCMADCHP	48	
DCM_CHGM_TEXT	57C		DCMADDRL	2C	
DCM_CMD_TEXT_KPARM_AREA	6C		DCMADMOD	134	
DCM_GRP_COL	57E		DCMADNUM	FA	
DCM_GRP_E_COL	585		DCMADOPN	54	
DCM_GRP_E_TEXT	58A		DCMADSEC	28	
DCM_GRP_END	57F		DCMAE	129	01
DCM_GRP_TEXT	57D		DCMAENTR	40	
DCM_GRPEND_E_COL	586		DCMAEORD	284	
DCM_IOBE	5D8		DCMAIDSV	340	
DCM_KPARM_START	6C		DCMAINS	3C	
DCM_MGCRE_PTR	2A0		DCMAMTAB	24	
DCM_PWRD_COL	57B		DCMASBA	127	10
DCM_PWRD_E_COL	584		DCMASCRN	30	
DCM_PWRD_E_TEXT	589		DCMASDA	127	40
DCM_REISSUE_IO	11C	02	DCMASEWA	127	08
DCM_REST_COL	582		DCMASIN	127	20
DCM_REST_E_COL	588		DCMASKCL	210	
DCM_RPQ_IO_FAILED	4	80	DCMASKCN	209	
DCM_SECC_COL	581		DCMASKCR	20A	
DCM_SECC_E_COL	587		DCMASKEN	208	
DCM_SECC_E_TEXT	58C		DCMASKLP	20B	
DCM_SECC_TEXT	580		DCMASYCD	12C	01
DCM_UID_COL	579		DCMASYNC	127	
DCM_UID_E_COL	583		DCMASYRT	12C	02
DCM_UID_TEXT	578		DCMATI	5	
			DCMAWARN	44	
			DCMAXLGN	FC	
			DCMBADLN	F6	
			DCMBAINC	F2	
			DCMBFLGS	418	
			DCMBLENT	122	80
			DCMBLINK	1	40
			DCMBLUE	0	80
			DCMBLWRL	122	40
			DCMBLWRR	122	20
			DCMBUFER	370	
			DCMBYTCT	F8	
			DCMCANCL	128	01
			DCMCCOL	351	
			DCMCCWS	478	
			DCMCDLR1	12D	40
			DCMCDLR2	12D	20
			DCMCDLR3	12D	10
			DCMCDLR4	12D	08
			DCMCDLR5	12D	04

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCMCDSP3	12A	80	DCMERPF	129	08
DCMCHOPT	12B	10	DCMERSDT	46A	
DCMCHPGM	480		DCMEWAND	123	20
DCMCILLP	12C	08	DCMEWASP	120	01
DCMCLEAR	128	02	DCMEWAWC	469	
DCMCMRLL	12D	80	DCMFENRC	2B0	
DCMCMMSG1	12B		DCMFENT2	22C	
DCMCMMSG2	12C		DCMFIMCT	28C	
DCMCMMSG3	12D		DCMFLG1	4	
DCMCMMSG4	12E		DCMFLLA	218	
DCMCM2I	129	80	DCMFL1A	21C	
DCMCOLA	519		DCMFLSCT	220	
DCMCOMAR	129	20	DCMFMCT1	230	
DCMCOMAU	128	10	DCMFNLMA	2A8	
DCMCOMNM	128	04	DCMFRSCN	120	20
DCMCOMRD	128	08	DCMFSCT1	224	
DCMCOMRM	128	20	DCMFSSCT	228	
DCMCOM1	128		DCMGFLG	F	
DCMCOM2	129		DCMGREEN	0	10
DCMCOM3	12A		DCMGROUP	43C	
DCMCOM4	130		DCMHMCS_CURR_MLST@		
DCMCON	10C			0	
DCMCONFC	355		DCMHMCS_CURR_WRITE_BYTE_COUNT		
DCMCONMS	35D			4	
DCMCORLN	104		DCMHMCS_DATA	0	
DCMCQUED	123	02	DCMHMCS_EWA_CMD_CODE		
DCMCROW	350			8	
DCMCRSDT	471		DCMHMCS_FLAG_IO_FOR_READ		
DCMCS	11C			B	80
DCMCSC	11C	80	DCMHMCS_FLAGS		
DCMCSNM	45C			B	
DCMCISO	11C	40	DCMHMCS_MAX_BYTES_USED		
DCMCULNO	125			60	
DCMCVBIN	14		DCMHMCS_MAX_MLST_USED		
DCMCXSVE	50			5C	
DCMDASID	C		DCMHMCS_MLST_ADDRESS		
DCMDEL	10A			10	
DCMDELFC	353		DCMHMCS_READMOD_CMD_CODE		
DCMDELMS	35B			A	
DCMDELNT	12B	02	DCMHMCS_SAVEAREA		
DCMDELRI	12C	04		14	
DCMDIDLG	418	40	DCMHMCS_SPIPARM_ADDRESS		
DCMDL	10E			C	
DCMDLLA	264		DCMHMCS_WRITE_CMD_CODE		
DCMDLL1A	268			9	
DCMDLREQ	12C	80	DCMHMCSBUFF@	1C	
DCMDLSCT	26C		DCMHNONE	1	80
DCMDMCT1	278		DCMHOLD	F	80
DCMDMID	5		DCMICUGP	418	08
DCMDNLMA	2AA		DCMICUPW	418	10
DCMDOMEN	0		DCMICUSC	418	04
DCMDOMID	4		DCMIHIGH	2	40
DCMDOMPK	20		DCMINERR	120	02
DCMDORMI	121	80	DCMINLGN	6E	
DCMDRSVD	E		DCMINLNM	2AD	
DCMDSAUT	11E	04	DCMINNOR	120	04
DCMDSAV	58		DCMINORM	2	80
DCMDSCT1	270		DCMINPUT	70	
DCMDSCT	274		DCMINSC	121	01
DCMDSTAT	11E		DCMINSSH	122	10
DCMDSTNH	11E	10	DCMINVLD	12F	40
DCMDSTNM	11E	20	DCMINVOP	12C	10
DCMDSYID	4		DCMIOCM1	121	
DCMDTBSY	12D	01	DCMIOCM2	122	
DCMDTCB	0		DCMIOCM3	123	
DCMDTKAS	8		DCMIOCR	122	02
DCMDTOKN	8		DCMIOND	131	
DCMDUSE	11F	80	DCMIOPRD	128	40
DCMELONG	12B	08	DCMIORTN	134	
DCMEMTYP	419		DCMIORTN_COMM		
DCMENTL1	2AB			29C	
DCMENTL2	2AC		DCMIOUNQ	120	
DCMENTPO	2B2		DCMISRPQ	11C	20
DCMERASE	122	04	DCMKPROC	123	01

TDCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCMKRPIP	12E	02	DCMNLPCR	17C	
DCMLAMCT	290		DCMNMODS	138	
DCMLENTY	2B6		DCMNMSG1	170	
DCMLGMSG	418	20	DCMNMSG2	174	
DCMLGNTH	F0		DCMNMSG3	178	
DCMLINEN	124		DCMNOPCL	180	
DCMLNCNT	C		DCMNOPT1	160	
DCMLNNUM	E		DCMNPFKT	12E	08
DCMLPENT	128	80	DCMNPFK1	164	
DCMLSCRN	34		DCMNPFK2	168	
DCMLSSCT	280		DCMNPROC	13C	
DCMMCST	11F		DCMNTIMR	18C	
DCMMCTCN	116		DCMNXTOR	34C	
DCMMCTCO	0		DCMOACRO	0	
DCMMCTEN	0		DCMOCTTI	18	02
DCMMCTHI	1		DCMOLHLD	12A	02
DCMMCTIN	2		DCMOLUNV	12A	08
DCMMCTRV	3		DCMOOL_BYTCT	36C	
DCMMCTST	0	01	DCMOOL_FRST	298	
DCMMFRFJ	352	40	DCMOOL_LINEN	368	
DCMMFRFS	352	20	DCMOOL_REFRESH		
DCMMFRFT	352	80		123	80
DCMMFRFX	352	10	DCMOOL_SIB_PTR		
DCMMFRMF	352			294	
DCMMFRMJ	35A	40	DCMOOL_WRITE	122	08
DCMMFRMM	35A		DCMOOMSS	11F	04
DCMMFRMS	35A	20	DCMOOSDS	11F	01
DCMMFRMT	35A	80	DCMOPRLL	11B	10
DCMMFRMX	35A	10	DCMOPTAD	11B	40
DCMMLLA	248		DCMOPTSG	11B	20
DCMMLL1A	24C		DCMOPTST	11B	
DCMMLSCT	250		DCMOPTTI	18	40
DCMMMCT1	25C		DCMOPTVR	11B	80
DCMNNLMA	2A9		DCMORDER	0	
DCMMSCT1	254		DCMOTMM	18	10
DCMMSG_AUTOR	1	20	DCMOUTPT	4	02
DCMMSGAC	1	80	DCMPACK	10	
DCMMSGAD	0	08	DCMPFK_REFRESH		
DCMMSGAL	FE			123	40
DCMMSGCL	1	01	DCMPFKAT	123	08
DCMMSGCN	0	20	DCMPFKC	464	
DCMMSGCO	3	80	DCMPFKIP	12E	10
DCMMSGCR	12C	20	DCMPFKKN	109	
DCMMSGCT	1	04	DCMPFKLN	4C	
DCMMSGC7	1	40	DCMPFKNA	12E	80
DCMMSGEA	1	08	DCMPFKND	12E	40
DCMMSGHI	3	40	DCMPFKNM	108	
DCMMSGIF	0	02	DCMPFKNO	12E	20
DCMMSGIN	0	40	DCMPFKRC	465	
DCMMSGIT	3	20	DCMPINK	0	20
DCMMSGOR	0	80	DCMPOSCU	126	
DCMMSGPP	1	02	DCMPWORD	422	
DCMMSGRD	0	04	DCMQALEN	362	
DCMMSGST	0	01	DCMQAPTR	288	
DCMMSGUA	1	10	DCMRBFRC	2CC	
DCMMSGWT	12B	80	DCMRBUF	0	
DCMMSST	258		DCMRBUFA	2C0	
DCMMWISS	F	40	DCMRBUFB	4	
DCMMYCND	12F	80	DCMRBUFC	2BC	
DCMNCLN	184		DCMRBUFE	2C8	
DCMNCMD1	14C		DCMRBUFF	0	
DCMNDEL1	150		DCMRBUFR	2C4	
DCMNDEL2	154		DCMRBUFT	8	
DCMNDEL3	158		DCMRDARM	120	10
DCMNDEL4	15C		DCMRDPFK	123	04
DCMNDOFF	366		DCMRDRPQ	11C	10
DCMNDSP1	140		DCMRED	0	40
DCMNDSP2	144		DCMREPLC	129	10
DCMNDSP3	148		DCMRETIO	11C	08
DCMNERRO	16C		DCMRMINC	100	
DCMNINT2	194		DCMRMTTI	18	01
DCMNINT3	198		DCMRNUM	10F	
DCMNINT5	1A0		DCMRNUMD	113	
DCMNINT6	1A4		DCMRNUMF	357	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DCMRNUMM	35F		DCMS_SECC_AREA		
DCMRROWA	518		DCMS_SECC_PMPT	55C	
DCMRQINC	12C	40	DCMS_SECC_12BIT	570	
DCMRTME	110		DCMS_SECC_14BIT	562	
DCMRTMED	114			560	
DCMRTMEF	358		DCMS_SENSE	5CC	
DCMRTMEM	360		DCMS_SENSE_FDBK2	5CE	
DCMRTPFK	12A	40	DCMS_SENSE_RTNCD	5CC	
DCMRVIDO	1	20	DCMS_SENSE_SSENSEI	5D0	
DCMS_AID	0		DCMS_SENSE_SSENSMI	5D2	
DCMS_BLENT_CURPTR			DCMS_SENSE_TRACE	590	
	530		DCMS_SENSE_TRACE_2_MOVE	59C	
DCMS_BLENT_LEN			DCMS_SENSE_USENSEI	5D4	
	534		DCMS_SSE_INVOKED	58D	80
DCMS_BLENTA_PTR	52C		DCMS_SSP_INVOKED	58D	40
DCMS_CHGM_PMPT			DCMS_UID_AREA	544	
	574		DCMS_UID_PMPT	564	
DCMS_CURSOR	1		DCMS_UID_12BIT	54A	
DCMS_DOING_SIGNAL			DCMS_UID_14BIT	548	
	53B	20	DCMS_WSF	1	
DCMS_ENTRYAR	6		DCMS_WSF_CMDCODE	5	
DCMS_ERSET	53A	20	DCMS_WSF_ID	0	
DCMS ETF_EXIT			DCMS_WSF_LEN	1	
	53A	10	DCMS_WSF_OPERATION	3	
DCMS_FLAGS	53A		DCMS_WSF_WCC	6	
DCMS_FLAGS2	53B		DCMS_WSFA_CURPTR	524	
DCMS_GOOD_IO	58D	20	DCMS_WSFA_LEN	528	
DCMS_GRP_AREA			DCMS_WSFA_PTR	51C	
	554		DCMS_WSFAREA	0	
DCMS_GRP_PMPT			DCMSADAT	6	
	56C		DCMSADCN	218	
DCMS_GRP_12BIT			DCMSAHA	5	
	55A		DCMSAHT	4	
DCMS_GRP_14BIT			DCMSAO	3	
	558		DCMSARST	8	
DCMS_INAREA	0		DCMSA1	3	
DCMS_INAREA_PTR			DCMSA2	7	
	520		DCMSBA	0	
DCMS_IO_COMM_FLAGS			DCMSBAA1	1	
	58D		DCMSBAA2	2	
DCMS_LAST_SENSE			DCMSBAO	0	
	5CC		DCMSCCLS	444	
DCMS_LOGON_PROMPT_IN_ENTRY_AREA			DCMSCRW	2B4	
	53A	04	DCMSCTA	0	
DCMS_LU2	53A	08	DCMSCTA1	0	
DCMS_MAX_WSF_LEN			DCMSCTA2	1	
	53C		DCMSCTA3	2	
DCMS_MODADDR	4		DCMSCTA4	3	
DCMS_NBB_REQUIRED			DCMSCTC	0	
	53B	40	DCMSCTCN	102	
DCMS_NEW_RECEIVE			DCMSCTC1	0	
	58D	08	DCMSCTC2	1	
DCMS_ORDERS	0		DCMSEC_NEEDS_REFORMAT		
DCMS_PWRD_AREA					
	54C				
DCMS_PWRD_PMPT					
	568				
DCMS_PWRD_12BIT					
	552				
DCMS_PWRD_14BIT					
	550				
DCMS_RE_RECEIVE					
	53A	40			
DCMS_RECV_ISSUED					
	53A	80			
DCMS_REISSUE_CNT					
	538				
DCMS_RETRY_IO					
	58D	10			
DCMS_RU_SIZE	540				
DCMS_SAT_INVOKED					
	58D	04			
DCMS_SBA	3				

TDCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	0	08			
DCMSECBL	0	10	DCMWRCDL	12B	04
DCMSECCL	0	80	DCMWRENT	121	02
DCMSECDL	0	20	DCMWRINS	121	04
DCMSECLL	0	40	DCMWRMSG	121	10
DCMSECST	0	01	DCMWRPAR	121	08
DCMSEG	10D		DCMWRPFK	123	10
DCMSEGDF	112		DCMWRWRN	121	20
DCMSEGFC	356		DCMWTBUF	38	
DCMSEGMS	35E		DCMWTINT	8	
DCMSEPLN	2	40	DCMW2250	120	08
DCMSFE	3		DCMXINT1	12A	10
DCMSFECA	8		DCMYELLOW	0	04
DCMSFECT	7				
DCMSFEFA	6				
DCMSFEFT	5				
DCMSFEHA	A				
DCMSFEHT	9				
DCMSFEN	4				
DCMSFEO	3				
DCMSKPA1	211				
DCMSKPA3	212				
DCMSKPF1	20C				
DCMSKPF2	20D				
DCMSKPF3	20E				
DCMSKPF4	20F				
DCMSKSRQ	213				
DCMSOUND	121	40			
DCMSPLIT	129	40			
DCMSSCTL	F4				
DCMSTEX	12B	20			
DCMSTOFF	364				
DCMSTRT	0				
DCMSVC34	12F				
DCMSWAPT	11C	04			
DCMTABND	12E	04			
DCMTASYN	18	04			
DCMTEST	132				
DCMTIMER	18	80			
DCMTIMES	18				
DCMTLEN	33C				
DCMTRACE	1AC				
DCMTRAC2	1AE				
DCMTRDCM	348				
DCMTREN	206				
DCMTREN1	206				
DCMTREN2	207				
DCMTURQ	0	08			
DCMTVERN	19				
DCMTYPE1	12F	20			
DCMUNDER	1	10			
DCMUNMSG	12B	40			
DCMUSRID	41A				
DCMUTILA	11D	80			
DCMUTILB	11D	40			
DCMUTILC	11D	20			
DCMUTILD	11D	10			
DCMUTILE	11D	08			
DCMUTILF	11D	04			
DCMUTILG	11D	02			
DCMUTILH	11D	01			
DCMUTILT	11D				
DCMVLPFK	12A	20			
DCMWCC	468				
DCMWCC_RESTORE	475				
DCMWHITE	0	02			
DCMWLGPR	418	80			
DCMWORK	44C				
DCMWORKA	44C				
DCMWORKB	450				
DCMWORKC	454				
DCMWORKD	458				
DCMWRYAS	122	01			

TEXTUNIT Information

TEXTUNIT Heading Information

Common Name: Dynamic Allocation Text Unit Pointer List
Macro ID: IEFZB4D1
DSECT Name: TXTUPLST, TXTUPELM, TEXTUNIT, TEXTUFLD
Owning Component: Allocation/Unallocation (SC1B4)
Eye-Catcher ID: N/A
 Offset: N/A
 Length: N/A
Storage Attributes: Subpool: N/A
 Key: N/A
 Residency: N/A
Size: 18 bytes
Created by: Caller of SVC 99
Pointed to by: S99TXTPP of SVC 99 parameter list
Serialization: N/A
Function: Provides mapping for text unit pointer list.

TEXTUNIT Map

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	TXTUPLST (*)	TEXT UNIT POINTER LIST
0	(0)	ADDRESS	4	TXTUNITP	TEXT UNIT POINTER
		1...		TXTUPEND	ON FOR LAST TEXT UNIT PTR

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	TXTUPELM	ONE ELEMENT IN TEXT UNIT POINTER LIST
0	(0)	ADDRESS	4	TXTPLENT	ONE TEXT UNIT POINTER
		1...		TXTPLEND	ON WHEN THIS IS LAST TEXT UNIT POINTER

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	TEXTUNIT	TEXT UNIT
0	(0)	CHARACTER	2	TEXTUKEY	KEY
2	(2)	SIGNED	2	TEXTUNUM	NUMBER OF PARAMETERS
4	(4)	CHARACTER	*	TEXTUENT	TEXT ENTRY OF LENGTH PARM
4	(4)	SIGNED	2	TEXTULNG	LENGTH OF 1ST(OR ONLY) PARM
6	(6)	CHARACTER	*	TEXTUPAR	1ST (OR ONLY) PARAMETER

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	TEXTUFLD	TEXT ENTRY OF LENGTH+PARM
0	(0)	SIGNED	2	TEXTULEN	LENGTH OF FOLLOWING PARM
2	(2)	CHARACTER	*	TEXTUPRM	PARAMETER

TEXTUNIT Cross Reference

TEXTUNIT Cross Reference

Name	Hex Offset	Hex Value
TEXTUENT	4	
TEXTUFLD	0	
TEXTUKEY	0	
TEXTULEN	0	
TEXTULNG	4	
TEXTUNIT	0	
TEXTUNUM	2	
TEXTUPAR	6	
TEXTUPRM	2	
TXTPLEND	0	80
TXTPLENT	0	
TXTUNITP	0	
TXTUPELM	0	
TXTUPEND	0	80
TXTUPLST	0	

TFWA Information

TFWA Heading Information

Common Name: System trace formatter work area (TFWA)
Macro ID: IHATFWA
DSECT Name: TFWA
Owning Component: System trace (SC142)
Eye-Catcher ID: TFWA
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229 when IEAVETFC is called by SNAP. 0 when IEAVETFC is caller by IPCS.
 Key: 0 when IEAVETFC is called by SNAP. Key of caller when IEAVETFC is called by IPCS.
Size: 224 bytes
Created by: IEAVETFC - System trace table formatter controller
 INITIALIZATION:
 The creator of the control block must initialize TFWAID with the acronym 'TFWA' and TFWALEVL with the constant TFWACLVL.
Pointed to by: The TFWA is part of the IEAVETFC dynamic workarea. For other routines it is an input parameter.
Serialization: N/A
Function: Describe the system trace formatter work area (TFWA) in which data critical to the formatting process is kept. The TFWA is created by the trace table formatter controller (IEAVETFC) and is passed to all modules which execute under the formatter controller.

TFWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	336	TFWA	TRACE FORMATTER WORK AREA.
0	(0)	CHARACTER	4	TFWAID	TFWA ACRONYM.
4	(4)	BITSTRING	1	TFWALEVL	TFWA LEVEL NUMBER.
5	(5)	BITSTRING	1	*	Reserved
6	(6)	UNSIGNED	2	TFWANCPU	NUMBER OF PROCESSORS REPRESENTED IN THE TRACE TABLE.
8	(8)	ADDRESS	4	TFWAADPL	POINTER TO SNAP/PRDMP PARMLIST (MAPPED BY IHAABDPL).
12	(C)	SIGNED	2	TFWAASID	TRACE ADDRESS SPACE ASID.
14	(E)	SIGNED	2	TFWACURP	CURRENT PROCESSOR NUMBER.
16	(10)	ADDRESS	4	TFWACURB	POINTER TO THE CURRENT TRACE OUTPUT BUFFER.
20	(14)	SIGNED	4	TFWALJFE	LENGTH OF THE JUST-FILTERED OR FORMATTED TTE.
24	(18)	ADDRESS	4	TFWATTCH	ADDRESS OF TTCH TO FORMAT.
28	(1C)	ADDRESS	4	TFWAWAEF	ADDRESS OF DYNAMIC WORKAREA OF LENGTH LENDETEF TO BE USED BY IEAVETEF.
32	(20)	ADDRESS	4	TFWAWAFA	ADDRESS OF DYNAMIC WORKAREA OF LENGTH LENDETFA TO BE USED BY IEAVETFA.
36	(24)	ADDRESS	4	TFWAWAIF	ADDRESS OF 4K DYNAMIC WORKAREA TO BE USED BY INDIVIDUAL FORMATTING ROUTINES.
40	(28)	CHARACTER	36	TFWAFP	FLAGS AND FOOTPRINTS FOR VRA.
40	(28)	BITSTRING	1	TFWAFLG1	FLAG BYTE 1.
		1...		TFWAALL	FORMAT TTES FOR ALL ASIDS.
		.1.		TFWACUR	FORMAT TTES FOR CURRENT ASID.
		..1.		TFWAFAS	FILTER TTES USING AN ASIDLIST.
		...1		TFWASNAP	SNAP DUMP REQUEST.
		.... 1...		TFWAPDSV	SVCDUMP/SYSMDUMP (IPCS) REQUEST.
		.... .1..		TFWAPDSA	STAND-ALONE DUMP (IPCS) REQUEST.
		.... ..1.		TFWABR	FORMAT BRANCH TTES.
		.... ...1		TFWAUSRN	EXECUTING USRN FORMAT ROUTINE.
41	(29)	BITSTRING	1	TFWAFLG2	FLAG BYTE 2.
		1...		TFWAMAIN	FORMATTER IS IN MAIN LOOP.
		.1.		TFWADONE	ALL TRACE DATA IS FORMATTED.
		..1.		TFWAPTE1	THE FIRST TTE HAS NOT YET BEEN PRINTED.
		...1		TFWAATRC	ASID TRACE FILTERING ROUTINE HAS PRODUCED THE CURRENT TTCH FORMATTER INITIALIZATION HAS FAILED. THEREFORE, CALL IEAVETVP
		.... 1...		TFWASYNO	SYNTAX CHECK THE TRACE VERB IF RUNNING UNDER IPCS.
		.... .1..		TFWADAAP	DATA AVAILABLE FOR ALL PROCESSORS UNLESS TFWAEOD1 IS ON.
		.... ..1.		TFWAEOD1	END OF DATA ENCOUNTERED ON ONE OR MORE PROCESSORS.
		.... ...1		TFWAFBSG	EXECUTING ITRFBSG ENTRY POINT.
42	(2A)	BITSTRING	1	TFWAFP01	EXECUTION TRACE FOOTPRINTS.
		1...		TFWAETVP	ENTERED IEAVETVP.
		.1.		TFWAETNP	ENTERED IEAVETNP.
		..1.		TFWAETPW	ENTERED IEAVETPW.

TFWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		TFWAETRW	EXECUTING IEAVETRW.
		.... 1...		TFWAETEF	EXECUTING IEAVETEF.
		.... .1..		TFWAETFA	EXECUTING IEAVETFA ENTRY POINT.
		.... ..1.		TFWAETPB	EXECUTING IEAVETPB ENTRY POINT.
		.... ...1		TFWAFPR	EXECUTING ITRFPR FORMATTER
43	(2B)	BITSTRING	1	TFWAFP02	EXECUTION TRACE FOOTPRINTS.
		1...		TFWAFHEX	EXECUTING ITRFHEX ENTRY POINT.
		.1..		TFWAFEXP	EXECUTING ITRFEXP ENTRY POINT.
		..1.		TFWADEFU	EXECUTING ITRFDEFU ENTRY POINT.
		...1		TFWAEXPL	EXECUTING AN EXPLICIT TTE FORMATTER.
		.... 1...		TFWAFBR	EXECUTING ITRFBR FORMATTER.
		.... .1..		TFWAFPC	EXECUTING ITRFPC FORMATTER.
		.... ..1.		TFWAFPT	EXECUTING ITRFPT FORMATTER.
		.... ...1		TFWASSAR	EXECUTING ITRFSSAR FORMATTER.
44	(2C)	BITSTRING	4	TFWAFRFC	IEAVETFC EXECUTION TRACE (SEE FOOTETFC DECLARE IN IEAVETFC).
48	(30)	BITSTRING	4	TFWAFPEF	IEAVETEF EXECUTION TRACE (SEE FOOTETEF DECLARE IN IEAVETEF).
52	(34)	BITSTRING	4	TFWAFVVP	IEAVETVP EXECUTION TRACE (SEE FOOTETVP DECLARE IN IEAVETVP).
56	(38)	BITSTRING	4	TFWAFNP	IEAVETNP EXECUTION TRACE (SEE FOOTETNP DECLARE IN IEAVETNP).
60	(3C)	BITSTRING	4	TFWAFPPW	IEAVETPW EXECUTION TRACE (SEE FOOTETPW DECLARE IN IEAVETPW).
64	(40)	BITSTRING	4	TFWAFPRW	IEAVETRW EXECUTION TRACE (SEE FOOTETRW DECLARE IN IEAVETRW).
68	(44)	BITSTRING	4	TFWAFPPFA	IEAVETFA EXECUTION TRACE (SEE FOOTETFA DECLARE IN IEAVETFA).
72	(48)	BITSTRING	4	TFWAFPIF	INDIVIDUAL EXPLICIT FORMATTER EXECUTION TRACE. IF USED, THERE WILL BE A DECLARE DEFINED ON TFWAFP0A.
76	(4C)	ADDRESS	4	TFWAASDL	ADDRESS OF ASIDLIST.
80	(50)	SIGNED	4	TFWAASLN	LENGTH OF GETMAINED ASIDLIST. A NON-ZERO VALUE INDICATES THAT AN ASIDLIST WAS GETMAINED.
84	(54)	SIGNED	2	TFWAASLL	COUNT OF ASIDLIST RANGES BEFORE OPTIMIZATION.
86	(56)	SIGNED	2	TFWAASCT	COUNT OF ASIDLIST RANGES AFTER OPTIMIZATION.
88	(58)	UNSIGNED	1	TFWANREG	NUMBER OF REGISTERS IN THE CURRENT TTE.
89	(59)	UNSIGNED	1	TFWAGMSP	GETMAIN SUBPOOL TO BE USED.
90	(5A)	CHARACTER	2	TFWAUSRD	USRN FORMATTER ROUTINE DISABLEMENT ARRAY. BIT N ON MEANS THE USRN FORMATTER ROUTINE IS DISABLED AND ITRFDEFU WILL EXECUTE INSTEAD.
92	(5C)	UNSIGNED	4	TFWANBSP	NUMBER OF BUFFER SECTIONS (TTCHBS) OF TTCH PER 4K PAGE.
96	(60)	SIGNED	2	TFWAMXMP	MAXIMUM NUMBER OF PROCESSORS IN THE DUMPED SYSTEM.
98	(62)	SIGNED	2	TFWASDHA	HASID AT THE TIME OF THE DUMP.
100	(64)	ADDRESS	4	TFWADEVA	ADDRESS OF DEVICES ARRAY USED FOR I/O AND SCH TTE FILTERING.
104	(68)	CHARACTER	24	TFWAMLVL	MODID INFORMATION FOR THE MODULE IN CONTROL.
104	(68)	CHARACTER	8	TFWAMODN	THE NAME OF THE MODULE (CSECT) CURRENTLY IN CONTROL.
112	(70)	CHARACTER	16	TFWAMDAT	THE DATE AND LEVEL NUMBER OF THE MODULE CURRENTLY IN CONTROL.
128	(80)	SIGNED	4	TFWATCHL	LENGTH OF SNAP TTCH.
132	(84)	BITSTRING	3	TFWARSV0	RESERVED.
135	(87)	CHARACTER	9	TFWAJOB	FULL JOB INITIATION TIMESTAMP VALUE.
135	(87)	UNSIGNED	1	TFWAJTOF	JOB START TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
136	(88)	CHARACTER	8	TFWAJTIM	JOB INITIATION TIMESTAMP FOR THE CURRENT ADDRESS SPACE (WHOSE ASID IS IN ADPLASID).
136	(88)	BITSTRING	4	TFWAJT1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
140	(8C)	BITSTRING	4	TFWAJT2	LOW ORDER WORD OF TFWAJTIM.
144	(90)	ADDRESS	4	TFWAWAI2	ADDRESS OF 512 BYTE WORK AREA USED BY THE USER FORMAT ROUTINES, ITRFN07F.
148	(94)	ADDRESS	4	TFWAPS	ADDRESS OF PROCESSOR DATA SECTIONS.
152	(98)	ADDRESS	2	TFWADCPU	DUMPING CPU ADDRESS
154	(9A)	SIGNED	2	TFWALLOP	LINES-LEFT-ON-PAGE COUNT.
156	(9C)	ADDRESS	4	TFWACMOD	ADDRESS OF TOD CONVERTER MODULE BLSUXTOD

Comment

 Note: TFWAZONE consolidates CVTLDT0 and CVTLT0 adjustments, as appropriate, to convert the TOD clock values in the system trace to the zone specified by the user of the IPCS SYSTRACE subcommand.

End of Comment

160	(A0)	BITSTRING	8	TFWAZONE	TOD adjustment for GMT or local time zones
168	(A8)	BITSTRING	1	TFWACFLG	TIMESTAMP CONVERSION FLAGS
		1...		TFWAGMT	CONVERT TIMESTAMP TO GREENWICH MEAN TIME.
		.1..		TFWALCL	CONVERT TIMESTAMP TO LOCAL TIME.
		..1.		TFWA1CPU	Format for selected CPUs
		...1		TFWATLST	SYSTRACE TTCH(LIST) option
		.... 1...		TFWACPUM	Format for CPUMASK
		.... .1..		TFWACPTS	Format for STANDARD CPU

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
169	(A9)	.... ..1.		TFWACPTI	Format for ZIIP CPU
		.... ...1		TFWACPTA	Format for ZAAP CPU
		CHARACTER	1	TFWAFLG4	MORE FLAGS
		1...		TFWAMODE	Format MODE TTEs
		.1..		TFWASTCKF	Copy of FiceSTCKF from PSA in the dump
		..1.		TFWALONGDISPLACEMENTHP	Copy of FiceLongDisplacementHP from PSA in the dump
		...1		TFWASORTCPU	SORTCPU specified?

Comment

Following bits set if SORTCPU output is filtered by time:
 Stage 0 = wait until reaching specified SORTCPU time without displaying output
 Stage 1 = After jumping back specified amount of entries show the first half of the output for the processor between Stage 1 and Stage 2 - display TIME message
 e.g. CP TIME = 20:47:31.373757 Stage 2 = Display last half of the output for the processor

End of Comment

		.... 1...		TFWASORTCPUSTAGE0	
		.... .1..		TFWASORTCPUSTAGE1	
		.... ..1.		TFWASORTCPUSTAGE2	
		.... ...1		TFWASORTCPUJUMPBACK	
					indicator - stage0 ended
170	(AA)	UNSIGNED	2	TFWASORTCPUMARGIN	specified in cmd line
172	(AC)	ADDRESS	4	TFWACOPA	ADDRESS OF COPROCESSOR DEVICES ARRAY USED FOR I/O AND SCH TTE FILTERING.
176	(B0)	ADDRESS	4	TFWATCBL	-> BLRIDENT PDE chain for TCB addresses
180	(B4)	ADDRESS	4	TFWAWEBL	-> BLRIDENT PDE chain for WEB addresses

Comment

 Note: TFWATOD0 and TFWATOD9 have been adjusted from the time zone specified by the user to TOD clock values directly comparable to the time stamps in the system trace.

End of Comment

184	(B8)	CHARACTER	9	TFWATOD0	SYSTRACE - First time stamp eligible
193	(C1)	CHARACTER	9	TFWATOD9	SYSTRACE - Last time stamp eligible
202	(CA)	SIGNED	2	TFWAIASID	Instruction Fetch ASID
204	(CC)	ADDRESS	4	TFWASPD	-> SYSTRACE subcommand PDL
208	(D0)	ADDRESS	4	TFWAPTNP	-> IEAVETNP
212	(D4)	ADDRESS	4	TFWAPTBP	-> IEAVETPB
216	(D8)	UNSIGNED	1	TFWADEVMAXSETS	
217	(D9)	UNSIGNED	1	TFWASTATUSBUFFERJUMPS	Maximum subchannel id that is allowed for during format processing For Status option: first jump - to last buffer second jump - if error, jump back to second buffer
218	(DA)	SIGNED	2	TFWAPREVP	Previous processor number
220	(DC)	ADDRESS	4	TFWADM	Address of SVC/SSRV/PC decode module IEAVETFD
224	(E0)	ADDRESS	4	TFWAIARASYSL	-> IRARASYSL
228	(E4)	ADDRESS	4	TFWASCPU	-> CPU selection list
232	(E8)	ADDRESS	4	TFWAIWMREXL	-> IWMREXL
236	(EC)	ADDRESS	4	TFWAASJN	ASID-JOBNAME table ptr
240	(F0)	UNSIGNED	2	TFWAAJCT	ASID-JOBNAME entry count
242	(F2)	BITSTRING	1	*	
		111.		TFWASUMT	PERFDATA parameters
		1...		TFWASUMTS	SHOWTRC not specified
		.1..		TFWASUMTD	SHOWTRC specified
		..1.		TFWADOWHR	DOWHERE specified
		...1		TFWANOTRACEOUTPUT	
		.... 1...		*	SUPPRESS OUTPUT IF ON
		.... .1..		TFWASTATUS	Reserved Status option was specified - we are only interested in starting and stopping times of each CPU
		.... ..1.		TFWASTATUSSHORT	Only display the CPU table (called from STATUS CPU command)
		.... ...1		TFWAMINITRACE	Mini System Trace

TFWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
243	(F3)	CHARACTER	1	TFWARSVZ	Reserved
244	(F4)	ADDRESS	4	TFWAWHRBUF	Buffer to be filled after DOWHERE
248	(F8)	UNSIGNED	8	TFWASIGCPU	Hold SIGCPU limit
256	(100)	ADDRESS	4	TFWADEVLPTR	Pointer to device list
260	(104)	UNSIGNED	4	TFWADEVCURR	DEVICE NUMBER in TTE
264	(108)	CHARACTER	4	*	Reserved
268	(10C)	ADDRESS	4	TFWACMLASCBADDR	ASCB address of CML lock
272	(110)	UNSIGNED	2	TFWADEVcnt	Device count
274	(112)	CHARACTER	2	*	Reserved
276	(114)	CHARACTER	4	TFWALOCKTYPE	Type of suspend lock
280	(118)	UNSIGNED	8	TFWAOBJs	Number of TTCH memory objects
288	(120)	ADDRESS	8	TFWAFBUF	Pointer to first TTCH buffer
296	(128)	ADDRESS	4	TFWASCPM	-> CPU selection MASK
300	(12C)	UNSIGNED	2	TFWAWHRAS	ASID for DOWHERE
302	(12E)	CHARACTER	2	*	RESERVED
304	(130)	UNSIGNED	4	TFWASORTCPUOFFSET	how many entries examined since start of current SORTCPU stage
308	(134)	CHARACTER	9	TFWASORTCPUtime	
317	(13D)	CHARACTER	3	*	Reserved
320	(140)	ADDRESS	8	TFWAWHRPSW16A	64-bit PSW address to pass to where
328	(148)	UNSIGNED	4	TFWATRACEASALET	TRACE address space ALET
332	(14C)	UNSIGNED	4	TFWAMAXU	Under IPCS, a copy of AsvtMaxU
336	(150)	CHARACTER	0	TFWAEND	END OF TFWA.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	168	TFWAPDS (*)	PROCESSOR DATA SECTION.
0	(0)	CHARACTER	4	TFWAPRID	EBCDIC PHYSICAL PROCESSOR ID.
4	(4)	BITSTRING	1	TFWAFLG3	FLAG BYTE 3.
		1...		TFWATTOB	THE CURRENT TBVT WAS OBTAINED: IF ON, VIA VIRTUAL ADDRESS FROM THE TOB. IF OFF, VIA VIRTUAL ADDRESS FROM THE PSA.
		.1..		TFWAFIMP	IMPLICIT TRACE ENTRIES MAY BE FORMATTED FOR THIS PROCESSOR. (ON WHEN TRFMFAS IS OFF OR WHEN THE LAST EXPLICIT TTE FOR THE PROCESSOR WAS FORMATTED.)
		..1.		TFWACTTS	CURRENT TTE TO BE FILTERED OR FORMATTED IS TIMESTAMPED.
		...1		TFWAEOTD	END-OF-TRACE-DATA REACHED FOR THIS PROCESSOR.
		.... 1...		TFWANOCp	SYSTRACE - Suppress CPU
		.... .1..		TFWAWUOK	TFWAWUAD is ready to be used for work unit filtering
		.... ..11		TFWAPOLARITY	Polarity of CPU if HiperDispatch is on. One of Polar_Vert_Low Polar_Vert_Med Polar_Vert_High or Polar_Horizontal as defined in IRABASIB
5	(5)	BITSTRING	1	TFWAPFG1	PROCESSOR FLAGS (THIS IS A COPY OF TOBPFG1 FOR THE PROCESSOR).
		1...		TFWAPTSA	PROCESSOR TRACE STRUCTURE IS AVAILABLE.
6	(6)	BITSTRING	1	TFWAFLG5	FLAG BYTE 5
		1...		TFWASRBm	SRB Mode flag
		.1..		TFWACPUOFFLINE	Offline when dump taken
		..1.		TFWACPUPARKED	Parked when dump was taken
		...1		TFWARSVBIT53	RESERVED
		.... 1...		TFWARSVBIT54	RESERVED
		.... .1..		TFWARSVBIT55	RESERVED
		.... ..1.		TFWARSVBIT56	RESERVED
		.... ...1		TFWARSVBIT57	RESERVED
7	(7)	CHARACTER	1	TFWARSV8	RESERVED.
8	(8)	ADDRESS	4	TFWAWBUf	ADDRESS OF THE 4K WORK BUFFER FOR EACH PROCESSOR. THE 1ST BYTE OF THE BUFFER IS THE BEGINNING OF A TTE.
12	(C)	ADDRESS	4	TFWACTTE	CURRENT TTE POINTER IN THE WORK BUFFER FOR THE PROCESSOR.
16	(10)	ADDRESS	4	TFWAENTY	ADDRESS OF THE FIRST BYTE PAST THE LAST TTE IN THE PROCESSORS WORK BUFFER.
20	(14)	CHARACTER	24	TFWABST	BUFFER STATUS. (COPIED FROM TBVTBST OR TTCHBST)
20	(14)	CHARACTER	2	TFWABFGs	STATE FLAGS.
20	(14)	CHARACTER	1	TFWABFG1	STATE FLAGS.
		1...		TFWABLST	AT LEAST ONE 4K BUFFER OF TRACE DATA WAS LOST BETWEEN THE PREVIOUS SUCCESSFUL REFILL OF THE WORK BUFFER (IF ANY) AND THE MOST RECENTLY COMPLETED REFILL OF THE WORK BUFFER.

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.1..		TFWACLST	CONTROL INFORMATION ABOUT THE TRACE BUFFER HAS BEEN LOST. TRACE DATA MAY EXIST IN THE BUFFER BUT THE END OF THE TRACE DATA (TFWAENTY) IS UNKNOWN. THEREFORE, THE BUFFER SHOULD BE FORMATTED IN DEFAULT HEX FORMAT.	
		..1.		TFWAITTE	AN INVALID TTE WAS DETECTED BY THE ASID TRACE FILTERING ROUTINE (IEAVETTF).	
21	(15)	CHARACTER	1	TFWABFG2	STATE FLAGS.	
22	(16)	SIGNED	2	TFWABSA	MOST RECENT SASID.	
24	(18)	SIGNED	2	TFWABHA	PREVIOUS EXPLICIT TTE HOME ASID.	
26	(1A)	SIGNED	2	TFWABPA	MOST RECENT PASID.	
28	(1C)	ADDRESS	4	TFWABTB	PREVIOUS EXPLICIT TTE TCB ADDRESS RELATED TO HOME.	
32	(20)	SIGNED	4	TFWABCNT	BUFFER USE COUNT.	
36	(24)	CHARACTER	8	TFWABTOD	BUFFER TIMESTAMP VALUE FOR THIS PROCESSOR.	
44	(2C)	BITSTRING	2	TFWABTBT1	first half of previous vtb	
46	(2E)	BITSTRING	1	TFWARSV4	RESERVED.	
47	(2F)	CHARACTER	9	TFWACURT	EXTENDED CURRENT TIMESTAMP VALUE.	
47	(2F)	UNSIGNED	1	TFWACTOF	CURRENT TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.	
48	(30)	CHARACTER	8	TFWACTIM	CURRENT TIMESTAMP VALUE FOR THIS PROCESSOR.	
48	(30)	BITSTRING	4	TFWACTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).	
52	(34)	BITSTRING	4	TFWACTI2	LOW ORDER WORD OF CURRENT TIMESTAMP.	
56	(38)	ADDRESS	4	TFWAWUAD	Workunit address (TCB or WEB) from previous DSP, SRB, SSRB, or WAIT entry	
60	(3C)	BITSTRING	2	TFWABTBT2	second half of previous vtb	
62	(3E)	BITSTRING	1	TFWARSV6	RESERVED.	
63	(3F)	CHARACTER	9	TFWAPRET	EXTENDED PREVIOUS TIMESTAMP VALUE.	
63	(3F)	UNSIGNED	1	TFWAPTOF	PREVIOUS TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.	
64	(40)	CHARACTER	8	TFWAPTIM	PREVIOUS TIMESTAMP VALUE FOR THIS PROCESSOR.	
64	(40)	BITSTRING	4	TFWAPT11	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).	
68	(44)	BITSTRING	4	TFWAPT12	LOW ORDER WORD OF PREVIOUS TIMESTAMP.	
72	(48)	CHARACTER	4	TFWACPUTYPE	XPU, zIIP, zAAP	
76	(4C)	ADDRESS	4	TFWAPTBT	VIRTUAL ADDRESS OF CURRENT TBVT WHEN TRACE IS SUSPENDED OR INACTIVE ON THIS PROCESSOR. THIS IS A COPY OF TOBPTBVT FOR THE PROCESSOR.	
80	(50)	ADDRESS	4	TFWACTBT	VIRTUAL ADDRESS OF THE CURRENT TBVT TO BE PROCESSED FOR THE PROCESSOR.	
84	(54)	ADDRESS	4	TFWANTBT	REAL ADDRESS OF NEXT TBVT TO BE PROCESSED FOR THE PROCESSOR.	
88	(58)	ADDRESS	4	TFWAVTBT	VIRTUAL ADDRESS OF THE NEXT TBVT TO BE PROCESSED FOR THE PROCESSOR.	
88	(58)	BITSTRING	2	TFWAVTBT1		
90	(5A)	BITSTRING	2	TFWAVTBT2		
92	(5C)	ADDRESS	4	TFWABPTR	ADDRESS OF BUFFER SECTIONS IN A TTCH FOR THIS PROCESSOR.	
96	(60)	UNSIGNED	8	TFWABUFI	INDEX TO BUFFER SECTION OF TTCH FOR NEXT BUFFER TO BE PROCESSED.	
104	(68)	UNSIGNED	8	TFWANUMB	NUMBER OF TRACE BUFFERS TO BE PROCESSED FOR THE PROCESSOR.	
112	(70)	CHARACTER	4	TFWATRID	MNEMONIC/ACRONYM FOR TTE	
116	(74)	CHARACTER	4	TFWACDE	CDE	
120	(78)	CHARACTER	16	TFWAPSW16		
136	(88)	CHARACTER	3	*		
139	(8B)	CHARACTER	9	TFWALOWCPUTIME	MINIMUM TIMESTAMP ON THIS PROCESSOR - STARTS ON BYTE 4 PAST WORD BOUNDARY	
139	(8B)	UNSIGNED	1	TFWALOWTOF	LOW TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE	
140	(8C)	CHARACTER	8	TFWALOWTIM	CURRENT TIMESTAMP VALUE FOR THIS PROCESSOR.	
148	(94)	UNSIGNED	2	TFWACPPA	PHYSICAL PROCESSOR ID.	
150	(96)	CHARACTER	18	*	Reserved	

Comment

since TFWAPDS is an array, for any addition to this block all modules that use any of its fields need to be recompiled

End of Comment

168	(A8)	CHARACTER	0	TFWAPEND	END OF PROCESSOR DATA SECTION.
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Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	12	TFWAAJS (*)	ASID-JOBNAME DATA SECTION	
0	(0)	CHARACTER	12	TFWAAJSE	ENTRY	
0	(0)	UNSIGNED	2	TFWAASIN	ASID	
2	(2)	CHARACTER	2	TFWAASFL	FLAGS(SEE ADPLOS1/2)	
4	(4)	CHARACTER	8	TFWAJOBN	JOBNAME	

TFWA Constants • TFWA Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TFWADVSE	DEVICE DATA LIST CHAIN
0	(0)	ADDRESS	4	TFWADEVNXT	POINTER TO NEXT DEVICE
4	(4)	ADDRESS	4	TFWADEVTLPTR	POINTER TO TIME INTERVALS
8	(8)	ADDRESS	4	TFWADEVTTPTR	POINTER TO ITS TAIL
12	(C)	UNSIGNED	4	TFWADEVNO	DEVICE NUMBER
16	(10)	UNSIGNED	2	TFWADEVIOCNT	Number of events
18	(12)	UNSIGNED	2	*	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TFWADVSTE	I/O EVENT LIST ENTRY
0	(0)	ADDRESS	4	TFWADEVNXT	POINTER TO NEXT TIME INT
4	(4)	BITSTRING	8	TFWADEVTBEG	event start time
12	(C)	BITSTRING	8	TFWADEVTEND	event end time

TFWA Constants

Len	Type	Value	Name	Description
Comment				

TFWA CONSTANTS AND STATIC LOCAL DECLARATIONS. Removed TFWANPS, the maximum CPU address, as part of G64CPU support. This constant is now defined in a central location.				

End of Comment				
4	DECIMAL		TFWACLVL	THE CURRENT TFWA LEVEL NUMBER.
4	DECIMAL		TFWAMAXE	MAXIMUM END-OF-DATA+1 OFFSET.
4	CHARACTER	CEDQ	TFWACEDQCONST	
4	DECIMAL		TFWALONGTERMSPIPCS	Subpool for storage which will persist until the end of SYSTRACE processing. This subpool should be used only under IPCS (using it under SNAP would be a system integrity exposure).

TFWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TFWA	0		TFWABUFI	60	
TFWAADPL	8		TFWACDE	74	
TFWAAJCT	F0		TFWACFLG	A8	
TFWAAJS	0		TFWACLST	14	40
TFWAAJSE	0		TFWACMLASCBADDR		
TFWAALL	28	80		10C	
TFWAASCT	56		TFWACMOD	9C	
TFWAASDL	4C		TFWACOPA	AC	
TFWAASFL	2		TFWACPPA	94	
TFWAASID	C		TFWACPTA	A8	01
TFWAASIN	0		TFWACPTI	A8	02
TFWAASJN	EC		TFWACPTS	A8	04
TFWAASLL	54		TFWACPUM	A8	08
TFWAASLN	50		TFWACPUOFFLINE		
TFWAATRC	29	10		6	40
TFWABCNT	20		TFWACUPARKED		
TFWABFGS	14			6	20
TFWABFG1	14		TFWACPUTYPE	48	
TFWABFG2	15		TFWACTBT	50	
TFWABHA	18		TFWACTIM	30	
TFWABLST	14	80	TFWACTI1	30	
TFWABPA	1A		TFWACTI2	34	
TFWABPTR	5C		TFWACTOF	2F	
TFWABR	28	02	TFWACTTE	C	
TFWABSA	16		TFWACTTS	4	20
TFWABST	14		TFWACUR	28	40
TFWABTB	1C		TFWACURB	10	
TFWABTBT1	2C		TFWACURP	E	
TFWABTBT2	3C		TFWACURT	2F	
TFWABTOD	24		TFWADAAP	29	04

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TFWADCPU	98		TFWALJFE	14	
TFWADEFU	2B	20	TFWALLOP	9A	
TFWADEVA	64		TFWALOCKTYPE	114	
TFWADEV CNT	110		TFWALONGDISPLACEMENTHP		
TFWADEV CURR	104			A9	20
TFWADEVIOCNT	10		TFWALOWCPU TIME		
TFWADEVLPTR	100			8B	
TFWADEV MAXSETS			TFWALOWTIM	8C	
	D8		TFWALOWTOF	8B	
TFWADEVNO	C		TFWAMAIN	29	80
TFWADEVNXT	0		TFWAMAXU	14C	
TFWADEV TBEG	4		TFWAMDAT	70	
TFWADEV TEND	C		TFWAMINITRACE		
TFWADEV TL PTR	4			F2	01
TFWADEV TNXT	0		TFWAMLVL	68	
TFWADEV TTPTR	8		TFWAMODE	A9	80
TFWADMOD	DC		TFWAMODN	68	
TFWADONE	29	40	TFWAMXMP	60	
TFWADOWHR	F2	20	TFWANBSP	5C	
TFWADVSE	0		TFWANCPU	6	
TFWADVSTE	0		TFWANOCF	4	08
TFWAEND	150		TFWANOTRACEOUTPUT		
TFWAENTY	10			F2	10
TFWAEOD1	29	02	TFWANREG	58	
TFWAEOTD	4	10	TFWANTBT	54	
TFWAETEF	2A	08	TFWANUMB	68	
TFWAETF A	2A	04	TFWAOBJ S	118	
TFWAETNP	2A	40	TFWAPDS	0	
TFWAETPB	2A	02	TFWAPDSA	28	04
TFWAETPW	2A	20	TFWAPDSV	28	08
TFWAETRW	2A	10	TFWAPEND	A8	
TFWAETVP	2A	80	TFWAPFG1	5	
TFWAEXPL	2B	10	TFWAPOLARITY	4	03
TFWAFAS	28	20	TFWAPRET	3F	
TFWAFBR	2B	08	TFWAPREVP	DA	
TFWAFBSG	29	01	TFWAPRID	0	
TFWAFBUF	120		TFWAPS	94	
TFWAFEXP	2B	40	TFWAPSW16	78	
TFWAFHEX	2B	80	TFWAPTBT	4C	
TFWAFIMP	4	40	TFWAPTE1	29	20
TFWAFLG1	28		TFWAPTIM	40	
TFWAFLG2	29		TFWAPTI1	40	
TFWAFLG3	4		TFWAPTI2	44	
TFWAFLG4	A9		TFWAPTNP	D0	
TFWAFLG5	6		TFWAPTOF	3F	
TFWAFP	28		TFWAPTPB	D4	
TFWAFPC	2B	04	TFWAP TSA	5	80
TFWAFPEF	30		TFWARSVBIT53	6	10
TFWAFPFA	44		TFWARSVBIT54	6	08
TFWAFPFC	2C		TFWARSVBIT55	6	04
TFWAFPIF	48		TFWARSVBIT56	6	02
TFWAFPNP	38		TFWARSVBIT57	6	01
TFWAFP PW	3C		TFWARSVZ	F3	
TFWAFPR	2A	01	TFWARSV0	84	
TFWAFPRW	40		TFWARSV4	2E	
TFWAFPT	2B	02	TFWARSV6	3E	
TFWAF PVP	34		TFWARSV8	7	
TFWAFP01	2A		TFWASCPM	128	
TFWAFP02	2B		TFWAS CPU	E4	
TFWAGMSP	59		TFWASDHA	62	
TFWAGMT	A8	80	TFWASIGCPU	F8	
TFWAID	0		TFWASNAP	28	10
TFWAIFASID	CA		TFWASORTCPU	A9	10
TFWAIRARSYSL	E0		TFWASORTCPUJUMPBACK		
TFWAITTE	14	20		A9	01
TFWAIWMREXL	E8		TFWASORTCPUMARGIN		
TFWAJOB N	4			AA	
TFWAJOB T	87		TFWASORTCPUOFFSET		
TFWAJTIM	88			130	
TFWAJT11	88		TFWASORTCPUSTAGE0		
TFWAJT12	8C			A9	08
TFWAJTOF	87		TFWASORTCPUSTAGE1		
TFWALCL	A8	40		A9	04
TFWALEVL	4		TFWASORTCPUSTAGE2		

TFWA Cross Reference

Name	Hex Offset	Hex Value
TFWASORTCPU	A9	02
TFWASORTCPU	134	
TFWASPD	CC	
TFWASRB	6	80
TFWASSAR	2B	01
TFWASTATUS	F2	04
TFWASTATUSBUFFER	D9	
TFWASTATUSSHORT	F2	02
TFWASTCKF	A9	40
TFWASUMT	F2	E0
TFWASUMTD	F2	40
TFWASUMTS	F2	80
TFWASYNO	29	08
TFWATCBL	B0	
TFWATCHL	80	
TFWATLST	A8	10
TFWATOD0	B8	
TFWATOD9	C1	
TFWATRACEASALET	148	
TFWATRID	70	
TFWATTCH	18	
TFWATTOB	4	80
TFWAUSR	5A	
TFWAUSRN	28	01
TFWAVTBT	58	
TFWAVTBT1	58	
TFWAVTBT2	5A	
TFAWAEF	1C	
TFAWAFA	20	
TFAWAIF	24	
TFAWAI2	90	
TFAWABUF	8	
TFAWEBL	B4	
TFAWHRAS	12C	
TFAWHRBUF	F4	
TFAWHRPSW16A	140	
TFAWUAD	38	
TFAWUOK	4	04
TFWAZONE	A0	
TFWA1CPU	A8	20

TICB Information

TICB Heading Information

Common Name: TICB - MIH Time Interval Control Block
Macro ID: IOSDTICB
DSECT Name: TICB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: TICB
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: YES
 Virtual Storage: n/a
 Auxiliary Storage: n/a
 Subpool: 245
 Key: 0
 Residency: Above line
Size: 392 Bytes
Created by: IOSRMIHT
Pointed to by: MIHATICB
Serialization: Provided by IOSRMIHP processing
Function: Describes the layout of storage obtained and initialized by IOSRMIHT, used by IOSRMIHP to scan the UCBs for missing interrupts, and referenced by IOSRMIHR to determine the MIH recovery action(s).

TICB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	392	TICB	
0	(0)	CHARACTER	4	TICBID	CB identifier ('TICB')
4	(4)	ADDRESS	4	TICBECB	ECB posted when time interval has been terminated
8	(8)	BITSTRING	2	TICBMTCT	Time count from when processing the last MIH mound pending scan
10	(A)	UNSIGNED	1	TICBCNTR	One byte counter- Incremented in IOSRMIHP upon entry. Wrap around counter (01-FE)
11	(B)	UNSIGNED	1	TICBMSCT	Counter to time miscellaneous UCB conditions.
12	(C)	BITSTRING	4	TICBPARM	Action and condition fields for IOSRMIHR
12	(C)	BITSTRING	1	TICBACTN	ACTION field - Setup by IOSRMIHP.
		1... ..		TICBHC	Issue HSCH/CSCH as appropriate
		.1.		TICBSIM	Simulate an interrupt
		..1.		TICBRDV	Redrive the device
		...1		TICBRQ	Requeue the I/O request
		.... 1...		TICBMSG	Issue a message
		.... .1..		TICBLOG	Log the condition on LOGREC
		.... ..1.		TICBMSGO	The device requested message only processing. (Ie: No MIH/IOT recovery actions)
		.... ...1		TICBWAI	Not an MIH condition, wait another MIH interval
13	(D)	BITSTRING	1	*	Unused, set to 0
14	(E)	BITSTRING	1	TICBCON2	Condition field 2, not currently copied into MIHE
		1... ..		TICBHRDV	Scheduling redrive on HyperPAV device
		.1.		TICBTOHS	MIH timeout due to I/O being active for too long while a HyperSwap is active
		..1.		TICBHLRI	The MIH timeout indicated by TICBTOHS was for an I/O request that was higher than the DDR level
		...1 1111		*	Unused
15	(F)	BITSTRING	1	TICBCOND	Condition field
		1... ..		TICBCLRP	Clear interrupt pending
		.1.		TICBHLTP	Halt interrupt pending
		..1.		TICBIDLE	Idle device, work queued
		...1		TICBSTPD	Start pending in subchannel
		.... 1...		TICBIOT	Indicates that I/O timeout processing is in progress
		.... .1..		TICBMNT	Mount pending
		.... ..1.		TICBPRIS	Primary status missing
		.... ...1		TICBSECS	Secondary status missing
16	(10)	BITSTRING	4	TICBPRM1	Action and condition fields for device dependent exit
16	(10)	BITSTRING	1	TICBACT1	Action field - can be modified by the exit routine - contents same as TICBACTN
		1111		*	Same as TICBACTN
		.... 1...		TICBMSG1	Issue a message
		.... .1..		TICBLOG1	Log the condition in LOGREC
		.... ..1.		*	Same as TICBACTN
		.... ...1		TICBWAI1	Not an MIH condition, wait another MIH interval
17	(11)	BITSTRING	1	*	Unused, set to 0 and ignored

TICB Constants • TICB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
18	(12)	BITSTRING	1	TICBCND2	Condition field 2 - set equal to TICBCON2 and ignored
19	(13)	BITSTRING	1	TICBCON1	Condition field - set equal to TICBCOND and ignored
20	(14)	BITSTRING	4	TICBMISC	Miscellaneous bytes
20	(14)	BITSTRING	1	TICBFLG1	FLAG BYTE 1
		1... ..		TICBTIMS	Timer started by IOSRMIHI
		.1.		TICBXTME	IOSXTIME interval caused MIH condition to be detected
		..1.		TICBIRTO	MIH timeout due to an IOS recovery operation being delayed
		...1		TICBBYPE	When ON, it indicates to bypass the MIH exit for this condition
		.... 1...		TICBBYPC	When ON, it indicates to bypass the component tracing for this condition
		.... .1..		TICBHSWP	When ON, indicates IO Timing triggered a HyperSwap
		.... ..1.		TICBMIHZ	IOSVLEVL has requested that a HyperPAV idle alias scan be performed during the next MIH interval.
		.... ...1		TICBINTG	When ON, indicates interrogate processing is required
21	(15)	BITSTRING	1	TICBFLG2	Flag byte 2 - reserved
22	(16)	BITSTRING	1	TICBR SNC	MIH condition reason code
23	(17)	BITSTRING	1	TICBRTRY	Retry count - incremented when a failure occurs during a UCB scan - when the retry limit is reached, the main MIH task is posted for termination.
24	(18)	CHARACTER	8	TICBTIMB	Binary time interval (bit 51 equals 1 microsecond)
24	(18)	CHARACTER	4	TICBTMEH	Binary time interval, High order
28	(1C)	CHARACTER	4	TICBTMEL	Binary time interval, low order
32	(20)	CHARACTER	128	TICBTQE	TQE used for MIH timer
160	(A0)	CHARACTER	44	TICBSRB	SRB used to schedule entry point IOSRMIH0, IOSRMIH1, IOSRMIH2 OR IOSRMIH3 in module IOSRMIHP
204	(CC)	CHARACTER	108	TICBIO SB	IO SB (w/0 ext) used to perform the subchannel request
312	(138)	CHARACTER	52	TICBSHIB	SCHIB data from the STSCH request
364	(16C)	ADDRESS	4	TICBETCB	Address of TCB that got the MIH ENQ during IOSCPARZ nip processing
368	(170)	ADDRESS	4	TICBWORK	Address of workarea for IOSRMIHP obtained by IOSRMIHI (will contain storage for the old TICBSAVE).
372	(174)	CHARACTER	4	TICBSRC1	Store Subchannel request return code from IOSVSTSQ, issued in IOSRMIHP.
376	(178)	UNSIGNED	4	TICBWAIT	Total time waited. Returned by the MIH exit when the secondary timeout value for the device was exceeded.
380	(17C)	UNSIGNED	2	TICBHCHG	Counter of intervals since last change from HYPERPAV=BASEONLY to YES
382	(17E)	UNSIGNED	2	TICBMIHC	Copy of IOQMIHCT
384	(180)	UNSIGNED	4	TICBHPRD	HyperPAV redrive count
388	(184)	CHARACTER	4	*	Reserved
392	(188)	CHARACTER	0	TICBEND	Force double word boundary

TICB Constants

Len	Type	Value	Name	Description
Comment				
Constants				
End of Comment				
4	DECIMAL	768	TICBMIHPDYN SZ	Size of IOSRMIHP autodata

TICB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TICB	0		TICBHLTP	F	40
TICBACTN	C		TICBHPRD	180	
TICBACT1	10		TICBHRDV	E	80
TICBBYPC	14	08	TICBHSWP	14	04
TICBBYPE	14	10	TICBID	0	
TICBCLRP	F	80	TICBIDLE	F	20
TICBCND2	12		TICBINTG	14	01
TICBCNTR	A		TICBIO SB	CC	
TICBCOND	F		TICBIOT	F	08
TICBCON1	13		TICBIRTO	14	20
TICBCON2	E		TICBLOG	C	04
TICBECB	4		TICBLOG1	10	04
TICBEND	188		TICBMIHC	17E	
TICBETCB	16C		TICBMIHZ	14	02
TICBFLG1	14		TICBMISC	14	
TICBFLG2	15		TICBMNT	F	04
TICBHC	C	80	TICBMSCT	B	
TICBHCHG	17C		TICBMSG	C	08
TICBHLRI	E	20	TICBMSGO	C	02

Name	Hex Offset	Hex Value
TICBMSG1	10	08
TICBMTCT	8	
TICBPARM	C	
TICBPRIS	F	02
TICBPRM1	10	
TICBRDV	C	20
TICBRQ	C	10
TICBR SNC	16	
TICBRTRY	17	
TICBSECS	F	01
TICBSHIB	138	
TICBSIM	C	40
TICBSRB	A0	
TICBSRC1	174	
TICBSTPD	F	10
TICBTIMB	18	
TICBTIMS	14	80
TICBTMEH	18	
TICBTMEL	1C	
TICBTOHS	E	40
TICBTQE	20	
TICBWAI	C	01
TICBWAIT	178	
TICBWAI1	10	01
TICBWORK	170	
TICBXTME	14	40

TIOT Information

TIOT Programming Interface information

Programming Interface information

TIOT

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

- TIOCJSTN
- TIOCSTEP
- TIOEFSRT
- TIOELNGH
- TIOCJOB
- TIOGSTPN
- TIOEJFCB
- TIOEWTCT
- TIOCPSTN
- TIOEDDNM

End of Programming Interface information

TIOT Heading Information • TIOT Map

TIOT Heading Information

Common Name: Task Input/Output Table
Macro ID: IEFTIOT1
DSECT Name: No DSECT card put out by macro. TIOT1 may be used in the USING statement.
Owning Component: Allocation/unallocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Subpool: 236, 237, or 241 (obtained from JSCBSWSP)
 Key: 1
 Data Space: No
 Residency: Below (normal TIOT) or Above (XTIOT) 16M
Size: Variable (Installation Defined)
Created by: Device allocation
Pointed to by: TCBTIO field of the TCB data area
 DCBTIOT field of the DCB data area
 DSABTIOT field of the DSAB data area (DD entry TIOT)
 JCTSTIOT field of the JCT data area
 SMCATIOT field of the SMCA data area (master scheduler TIOT)
Serialization: ENQ on SYSZTIOT
Function: Provides the I/O support routines with pointers to JFCBs and to allocated devices.

- Each DD statement, whether it is a member of a concatenation or not, has its own TIOT DD Entry. There will be one DD statement for each GDG data set for a GDGALL request.
- Within each DD Entry there will be one Device Entry for each device allocated to that DD statement. Single device does not always mean "not a multi-volume" data set. For permres devices (e.g., D/T3390), device and volume are synonymous. However, for tape requests device and volume are NOT synonymous since a tape volume can be mounted on any one of many tape devices.

TIOT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	SIGNED	4	(0)	
0	(0)	X'0'	0	TIOT1	*** - TIOTPTR
0	(0)	CHARACTER	8	TIOCJOB	- JOB NAME
8	(8)	CHARACTER	16	TIOCSTEP (0)	- STEP INFORMATION
8	(8)	CHARACTER	8	TIOCSTPN (0)	- 8-BYTE STEP NAME FOR NON-PROCS
8	(8)	CHARACTER	8	TIOCPSTN	- 8-BYTE PROC STEP NAME FOR PROCS
16	(10)	CHARACTER	8	TIOCJSTN	- 8-BYTE JOBSTEP NAME FOR PROCS

Comment

DD ENTRY
 THERE IS A 16-BYTE DD ENTRY FOR EACH DD STATEMENT IN THE JOB STEP OR PROCEDURE STEP. (REFERENCES TO GDG (ALL) DATA SETS, THE JOBLIB DATA SET OR PGM= .DDNAME CREATE STILL OTHER DD ENTRIES.)
 A DD ENTRY INCLUDES A DEVICE ENTRY. BEFORE ALLOCATION, THERE MAY BE SEVERAL DEVICE ENTRIES IN EACH DD ENTRY.

End of Comment					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	X'18'	0	TIOENTRY	*** - TIODPTR
24	(18)	SIGNED	1	TIOELNGH	- LENGTH, IN BYTES, OF THIS ENTRY (INCLUDING ALL DEVICE ENTRIES)
25	(19)	BITSTRING	1	TIOESTTA	- STATUS BYTE A
		1...		TIOSLTYP	"X'80" - NONSTANDARD LABEL (TAPE) (OS/VS1) FREED TIOT ENTRY (OS/VS2)
		.1..		TIOSPLTP	"X'40" - DURING ALLOCATION, SPLIT CYLINDER PRIMARY. (THIS IS THE FIRST DD ENTRY FOR A SPLIT CYLINDER.) DURING STEP TERMINATION, NO UNALLOCATION NECESSARY.
		..1.		TIOSPLTS	"X'20" - DURING ALLOCATION, SPLIT CYLINDER SECONDARY. (THIS IS NOT THE FIRST DD ENTRY FOR A SPLIT CYLINDER.) DURING STEP TERMINATION, REWIND BUT NO UNLOADING.
		...1		TIOSJBLB	"X'10" - JOBLIB INDICATOR
		.... 1...		TIOSDADS	"X'08" - DADSM ALLOCATION NECESSRY
		.... .1..		TIOSLABL	"X'04" - LABELED TAPE. IF BIT 0 IS OFF, SL OR SUL. IF BIT 0 IS ALSO ON, AL OR AUL.
		.... ..1.		TIOSDSP1	"X'02" - REWIND/UNLOAD THE TAPE VOLUME (TAPE) PRIVATE VOLUME (DIRECT ACCESS) MDC001

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... ...1		TIOSDSP2	"X'01" - REWIND THE TAPE VOLUME (TAPE) PUBLIC VOLUME (DIRECT ACCESS) MDC002
26	(1A)	CHARACTER	2	TIOERLOC (0)	- RELATIVE LOCATION OF POOL
26	(1A)	CHARACTER	1	TIOEWTCT	- DURING ALLOCATION, NUMBER OF DEVICES REQUESTED FOR THIS DATA SET
27	(1B)	CHARACTER	1	TIOELINK	- DURING ALLOCATION, LINK TO THE APPROPRIATE PRIME SPLIT, UNIT AFFINITY, VOLUME AFFINITY OR SUBALLOCATE TIOT ENTRY. AFTER ALLOCATION, FLAG BYTE.
		1...		TIOSYOUT	"X'80" - THIS IS A SYSOUT DATA SET THAT CONTAINS DATA (AFTER CLOSE)
		.1..		TIOTRV01	"X'40" - RESERVED MDC006
		..1.		TIOTTERM	"X'20" - DEVICE IS A TERMINAL
		...1		TIOEDYNM	"X'10" - DYNAM CODED ON DD STATEMENT
		.... 1..		TIOEQNAM	"X'08" - QNAME CODED ON DD STATEMENT
		.... .1..		TIOESYIN	"X'04" - ENTRY FOR SPOOLED SYSIN DATA SET (OS/VS1) MDC003
		.... ..1.		TIOESYOT	"X'02" - ENTRY FOR SPOOLED SYSOUT DATA SET (OS/VS1) MDC004
		.... ..1.		TIOESSDS	"X'02" - ENTRY FOR A SUBSYSTEM DATA SET (OS/VS2) MDC005
		.... ...1		TIOTREM	"X'01" - ENTRY FOR A REMOTE DEVICE ICB340
28	(1C)	CHARACTER	8	TIOEDDNM	- DD NAME
36	(24)	CHARACTER	3	TIOEJFCB	- SWA virtual address token, mapped by SWAREQ macro. Refer to that macro for further information.
39	(27)	BITSTRING	1	TIOESTTC	- STATUS BYTE C. USED DURING ALLOCATION ONLY. SET TO ZEROS AT END OF ALLOCATION.
		1...		TIOSDKCR	"X'80" - MAIN STORAGE OR DASD ADDRESS
		.1..		TIOSDEFR	"X'40" - DEFERRED MOUNT
		..1.		TIOSAFFP	"X'20" - PRIMARY UNIT AFFINITY
		...1		TIOSAFFS	"X'10" - SECONDARY UNIT AFFINITY
		.... 1..		TIOSVOLP	"X'08" - PRIMARY VOLUME AFFINITY
		.... .1..		TIOSVOLV	"X'04" - SECONDARY VOLUME AFFINITY
		.... ..1.		TIOSBALP	"X'02" - PRIMARY SUBALLOCATE
		.... ...1		TIOSBALS	"X'01" - SECONDARY SUBALLOCATE

Comment

DEVICE ENTRIES

1. DURING ALLOCATION -
ONE DEVICE ENTRY FOR EACH DEVICE REQUIRED, OR FOR EACH PUBLIC DEVICE ELIGIBLE.
2. DURING PROBLEM PROGRAM -
ONE DEVICE ENTRY FOR EACH ALLOCATED DEVICE.

End of Comment

40	(28)	BITSTRING	1	TIOESTTB	- STATUS BYTE B - DURING ALLOCATION AND DURING PROBLEM PROGRAM
		1...		TIOSUSED	"X'80" - DATA SET IS ON DEVICE
		.1..		TIOSREQD	"X'40" - DATA SET WILL USE DEVICE
		..1.		TIOSPVIO	"X'20" - DEVICE VIOLATES SEPARATION
		...1		TIOSVLSR	"X'10" - VOLUME SERIAL PRESENT
		.... 1..		TIOSSETU	"X'08" - SETUP MESSAGE REQUIRED
		.... ..1.		TIOSMNTD	"X'04" - IF 0, DELETE UNLOADED VOLUME IF UNLOAD REQUIRED. IF 1, RETAIN UNLOADED VOLUME IF UNLOAD REQUIRED.
		.... ..1.		TIOSUNLD	"X'02" - UNLOAD REQUIRED
		.... ...1		TIOSVERF	"X'01" - VERIFICATION REQUIRED
41	(29)	ADDRESS	3	TIOEFSRT	- DURING PROBLEM PROGRAM, ADDRESS OF UCB. DURING ALLOCATION, BITS 0-11 CONTAIN OFFSET, IN THE UCB LOOK-UP TABLE, TO AN ADDRESS FOR A DEVICE REQUIRED OR ELIGIBLE FOR THIS DATA SET. THE UCB LOOK-UP TABLE HAS ADDRESSES OF UCB'S. BITS 12-23 CONTAIN OFFSET, IN THE STEP VOLUME TABLE (VOLT), TO THE VOLUME SERIAL NUMBER FOR THE VOLUME REQUIRED OR ELIGIBLE FOR THIS DATA SET.

Comment

TIOT POOL ENTRY

End of Comment

41	(29)	X'2C'	0	POOLSTAR	***
44	(2C)	CHARACTER	1		- RESERVED
45	(2D)	SIGNED	1	TIOPNSLT	- NUMBER OF SLOTS FOR POOL
46	(2E)	CHARACTER	1		- RESERVED
47	(2F)	SIGNED	1	TIOPNSRT	- NUMBER OF DEVICES (FILLED SLOTS)
48	(30)	CHARACTER	8	TIOPPOOL	- POOL NAME
56	(38)	BITSTRING	1	TIOPSTTB	- STATUS OF SLOT

TIOT Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
57	(39)	ADDRESS	3	TIOPSLOT	- UCB ADDRESS OR EMPTY SLOT
60	(3C)	CHARACTER	4	TIOTFEND	- FINAL END OF THE TIOT - BINARY ZEROS

TIOT Cross Reference

Name	Hex Offset	Hex Value
POOLSTAR	29	2C
TIOCJSTN	10	
TIOCNJOB	0	
TIOCPSTN	8	
TIOCSTEP	8	
TIOCSTPN	8	
TIOEDDNM	1C	
TIOEDYNM	1B	10
TIOEFSRT	29	
TIOEJFCB	24	
TIOELINK	1B	
TIOELNGH	18	
TIOENTRY	10	18
TIOEQNAM	1B	8
TIOERLOC	1A	
TIOESSDS	1B	2
TIOESTTA	19	
TIOESTTB	28	
TIOESTTC	27	
TIOESYIN	1B	4
TIOESYOT	1B	2
TIOEWTCT	1A	
TIOPNSLT	2D	
TIOPNSRT	2F	
TIOPPOOL	30	
TIOPSLOT	39	
TIOPSTTB	38	
TIOSAFFP	27	20
TIOSAFFS	27	10
TIOSBALP	27	2
TIOSBALS	27	1
TIOSDADS	19	8
TIOSDEFR	27	40
TIOSDKCR	27	80
TIOSDSP1	19	2
TIOSDSP2	19	1
TIOSJBLB	19	10
TIOSLABL	19	4
TIOSLTYP	19	80
TIOSMNTD	28	4
TIOSPLTP	19	40
TIOSPLTS	19	20
TIOSPVIO	28	20
TIOSREQD	28	40
TIOSSETU	28	8
TIOSUNLD	28	2
TIOSUSED	28	80
TIOSVERF	28	1
TIOSVLSR	28	10
TIOSVOLP	27	8
TIOSVOLS	27	4
TIOSYOUT	1B	80
TIOTFEND	3C	
TIOTREM	1B	1
TIOTRV01	1B	40
TIOTTERM	1B	20
TIOT1	0	0

TMRB Information

TMRB Heading Information

Common Name: TIOT Manager Request Block
Macro ID: IEFZB424
DSECT Name: TIOMGRRB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Main Storage: No
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Key: 1 (Allocation) or 0 (Consoles)
 Data Space: No
 Residency: Anywhere (Allocation) or Below (Consoles)
Size: 48 Bytes
Created by: Callers of the TIOT Manager, IEFAB4FC
Pointed to by: Upon entry to IEFAB4FC General Purpose
 Register 1 points to a pointer to the
 TIOT Manager Request Block
Serialization: None
Function: The request block contains the input data required by the TIOT
 Manager, IEFAB4FC. This input includes a function map
 which indicates the functions which are to be performed
 for each entry to the TIOT Manager. Other information required
 depends on the operation as indicated by each field.

TMRB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	48	TIOMGRRB	TIOT MGR REQUEST BLOCK	
0	(0)	BITSTRING	2	TIOMFMAP	FUNCTION MAP	
		1... ..		TIOMBLD	CREATE TIOT & QDB	
		.1.		TIOMINIT	REINITIALIZE TIOT & QDB	
		..1.		TIOMALOC	ALLOCATE A TIOT DD ENTRY	
		...1		TIOMRLSE	RELEASE A DD ENTRY	
		.... 1...		TIOMUPD	UPDATE TIOT AND QDB	
		.... .1..		TIOMCCAT	CONCATENATE DD ENTRIES	
		.... ..1.		TIOMUNAL	UNALLOCATE (FREE) DSABS	
		.... ...1		TIOMFREE	FREE TIOT & QDB	
1	(1)	1... ..		TIOMRENT	RELEASE DD ENTRIES WHEN DSABS UNALLOCATED	
		.1.		TIOMDSAO	USE ONLY DSABS IN INPUT LIST WHEN CONCATENATING	
		..1.		TIOMFDYN	FREE DYNAMIC ALLOCATION TABLE	
		...1		TIOMXTIO	ALLOCATE XTIO ENTRY	
		.... 1...		TIOMDSAA	Propagation bit for SVC 99 request for DSAB above the 16MB line.	
		.... .1..		TIOMDSAM	Perform any DSAM processing related to the requested function	
		.... ..1.		*	RESERVED	
		.... ...1		*	RESERVED	
2	(2)	UNSIGNED	2	TIOMTSZE	SIZE OF TIOT, REQUIRED INPUT ONLY FOR CREATE FUNCTION	
4	(4)	ADDRESS	4	TIOMJSCP	POINTER TO JSCB, REQUIRED FOR ALL FUNCTIONS	
8	(8)	ADDRESS	4	TIOMJNMP	POINTER TO JOB NAME, ONLY REQUIRED FOR CREATE AND INITIALIZE FUNCTIONS	
12	(C)	ADDRESS	4	TIOMSNNP	POINTER TO STEP NAME, ONLY REQUIRED FOR CREATE AND INITIALIZE FUNCTIONS	
16	(10)	ADDRESS	4	TIOMENTP	PTR TO DD ENTRY TO BE RE-LEASED, REQUIRED FOR RELEASE FUNCTION ONLY	
20	(14)	ADDRESS	4	TIOMDSAP	PTR TO LIST OF DSABS REQUIRED FOR UNALLOCATE, CONCATENATE AND RELEASE FUNCTIONS. THERE WILL ONLY BE 1 DSAB ON THE LIST FOR THE RELEASE FUNCTION	
24	(18)	ADDRESS	4	TIOMSIOF	PTR TO FIRST SIOT ON CHAIN, REQUIRED FOR UPDATE FUNCTION	
28	(1C)	ADDRESS	4	TIOMRETP	PTR TO RETURN INFO AREA, REQUIRED FOR ALLOCATE, CREATE, & INITIALIZE FUNCTIONS	
32	(20)	ADDRESS	4	TIOMPSNP	POINTER TO PROC STEP NAME, REQUIRED ONLY FOR CREATE AND INITIALIZE FUNCTIONS	
36	(24)	SIGNED	2	TIOMIUSL	IN-LINE LIMIT, REQUIRED ONLY FOR CREATE AND INITIALIZE FUNCTIONS	
38	(26)	SIGNED	2	TIOMDEVS	NUMBER OF DEVICES FOR AN ALLOCATE REQUEST	
40	(28)	ADDRESS	4	TIOMASWA	ADDRESS OF CURRENT ASWA	
44	(2C)	CHARACTER	4	*	DWORD BOUNDARY	

TMRB Cross Reference

TMRB Cross Reference

Name	Hex Offset	Hex Value
TIOMALOC	0	20
TIOMASWA	28	
TIOMBLD	0	80
TIOMCCAT	0	04
TIOMDEVS	26	
TIOMDSAA	1	08
TIOMDSAM	1	04
TIOMDSAO	1	40
TIOMDSAP	14	
TIOMENTP	10	
TIOMFDYN	1	20
TIOMFMAP	0	
TIOMFREE	0	01
TIOMGRRB	0	
TIOMINIT	0	40
TIOMIUSL	24	
TIOMJNMP	8	
TIOMJSCP	4	
TIOMPSNP	20	
TIOMRENT	1	80
TIOMRETP	1C	
TIOMRLSE	0	10
TIOMSIOP	18	
TIOMSNMP	C	
TIOMTSZE	2	
TIOMUNAL	0	02
TIOMUPD	0	08
TIOMXTIO	1	10

TMTRC Information

TMTRC Heading Information

Common Name: Task Management Services System Trace Entry Templates
Macro ID: IHATMTRC
DSECT Name: TMWAIT, TMPOST, TMSETS1, TMSETS2, TMCHAP, TMCHPF03
Owning Component: TASK MANAGEMENT (SC1CL)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
 Key: 0
 Residency: SQA (above 16m)
 Size: 20 bytes per template
Created by: IEAVNIPO
Pointed to by: WSACSTPL field of the Cpu-Related WSAVT
Serialization: Disablement serializes System Trace parameter list
Function: Provides a template for building Task Management Services system trace table entries.

TMTRC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMWAIT	IEAVWAIT AND IEAVEWTP ENTRY POINTS OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0001, AND X0128)
0	(0)	ADDRESS	4	TMWTRET	CALLERS RETURN ADDRESS (ZERO IF IEAVEWTP TO INDICATE PC ENTERED ROUTINE)
4	(4)	SIGNED	4	TMWTECBA	ECB ADDRESS OR ECB LIST ADDRESS PROCESSED BY IEAVEWAT
8	(8)	SIGNED	4	TMWTCNT	WAIT COUNT
12	(C)	CHARACTER	8	TMWTRSV	RESERVED
20	(14)	CHARACTER	0	TMWAITE	END OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMPOST	IEA0PT01, IEA0PT02, IEA0PT03, AND IEAVEPTP ENTRY POINTS OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0129, X0002, X012A, AND X012B)
0	(0)	ADDRESS	4	TMPPTRET	CALLERS RETURN ADDRESS (ZERO IF IEAVEPTP TO INDICATE PC ENTERED ROUTINE)
4	(4)	SIGNED	4	TMPTECBA	ADDRESS OF ECB PROCESSED BY IEAVEPST
8	(8)	SIGNED	4	TMPPTSUC	SYSTEM/USER COMPLETION CODE - IF THE ECB ADDRESS IS ZERO, THIS IS THE RB ADDRESS.
12	(C)	ADDRESS	4	TMPPTASCB	TARGET ASCB ADDRESS OF CROSS-MEMORY POST OR ZERO (NONZERO ONLY IF CROSS-MEMORY POST)
16	(10)	ADDRESS	4	TMPPTERR	ERRET ROUTINE ADDRESS FOR CROSS-MEMORY POST OR ZERO (NONZERO ONLY IF CROSS-MEMORY POST)
20	(14)	CHARACTER	0	TMPOSTE	END OF IEAVEPST SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMSETS1	IGC07905 ENTRY POINT OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012D)
0	(0)	ADDRESS	4	TMST1RET	IGC07905 CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMST1TCB	TARGET TCB ADDRESS
8	(8)	UNSIGNED	2	TMST1IAC	INPUT ACTION CODE
10	(A)	BITSTRING	1	TMST1FLG	IEAVSETS OPTION FLAG BYTE
		1... ..		TMST1FSR	SET/RESET OPERAND INDICATION (0-SET AND 1-RESET)
11	(B)	CHARACTER	1	TMST1RSV	RESERVED
12	(C)	SIGNED	2	TMST1IAS	INPUT ASID
14	(E)	CHARACTER	6	TMST1RV2	RESERVED
20	(14)	CHARACTER	0	TMSET1E	END OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMSETS2	IEAVSET1 ENTRY POINT OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012E)
0	(0)	ADDRESS	4	TMST2RET	IEAVSET1 CALLERS RETURN ADDRESS

TMTRC Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
4	(4)	SIGNED	4	TMST2ASA	CURRENTLY DISPATCHED ASCB ADDRESS
8	(8)	CHARACTER	12	TMST2RSV	RESERVED
20	(14)	CHARACTER	0	TMSET2E	END OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	TMCHAP	ASCBCHAP SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012C)
0	(0)	ADDRESS	4	TMCHPRET	ASCBCHAP CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMCHPFC	ASCBCHAP FUNCTION CODE - 0 - MOVE, 1 - ADD, 2 - DELETE, 3 - EXTENDED MOVE 4 - Enclave Move
8	(8)	CHARACTER	8	TMCHPFDT	ASCBCHAP function dependend data (ASCB address and dispatching priority for Add and Delete, first move parameter vector entry for Move or Enclave Move, or first extended move table entry for Extended Move.)
8	(8)	BITSTRING	2	TMCHPFL	FOR TMCHPFC=0 or 4: FLAG BITS - HI-ORDER BIT ON INDICATES THE LAST PARAMETER VECTOR ENTRY
10	(A)	SIGNED	2	TMCHPDP	FOR TMCHPFC=0,1,2, OR 4: DISPATCHING PRIORITY
12	(C)	ADDRESS	4	TMCHPAS	FOR TMCHPFC=0,1, OR 2: ASCB ADDRESS
12	(C)	ADDRESS	4	TMCHPENC	FOR TMCHPFC=4: Enclave address
16	(10)	CHARACTER	4	TMCHPRSV	RESERVED
20	(14)	CHARACTER	0	TMCHAPE	END OF ASCBCHAP SYSTEM TRACE ENTRY TEMPLATE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
8	(8)	STRUCTURE	8	TMCHPF03	MAP THE FUNCTION DEPENDENT AREA TO SHOW ITS CONTENTS FOR TMCHPFC=3
8	(8)	UNSIGNED	1	TMCHPFUN	FOR TMCHPFC=3: EXTENDED FUNCTION (4=CHAP UP, 8=CHAP DOWN)
9	(9)	UNSIGNED	1	TMCHPTSG	FOR TMCHPFC=3: TIME SLICE GROUP NUMBER
10	(A)	SIGNED	2	TMCHPCNT	FOR TMCHPFC=3: NUMBER OF USERS IN THE TIME SLICE GROUP
12	(C)	ADDRESS	4	TMCHPNXT	FOR TMCHPFC=3: POINTER TO NEXT EXTENDED MOVE TABLE ENTRY

TMTRC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TMCHAP	0		TMST2RET	0	
TMCHAPE	14		TMST2RSV	8	
TMCHPAS	C		TMWAIT	0	
TMCHPCNT	A		TMWAITE	14	
TMCHPDP	A		TMWTCNT	8	
TMCHPENC	C		TMWTECBA	4	
TMCHPFC	4		TMWTRET	0	
TMCHPFDT	8		TMWTRSV	C	
TMCHPFL	8				
TMCHPFUN	8				
TMCHPF03	8				
TMCHPNXT	C				
TMCHPRET	0				
TMCHPRSV	10				
TMCHPTSG	9				
TMPOST	0				
TMPOSTE	14				
TMPTASCB	C				
TMPTECBA	4				
TMPTERRT	10				
TMPTRET	0				
TMPTSUCC	8				
TMSETS1	0				
TMSETS2	0				
TMSET1E	14				
TMSET2E	14				
TMST1FLG	A				
TMST1FSR	A	80			
TMST1IAC	8				
TMST1IAS	C				
TMST1RET	0				
TMST1RSV	B				
TMST1RV2	E				
TMST1TCB	4				
TMST2ASA	4				

TOB Information

TOB Heading Information

Common Name: SYSTEM TRACE OPTION BLOCK (TOB)
Macro ID: IHATOB
DSECT Name: TOB
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TOB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: NUCLEUS (Above)
 Key: 0
Size: 144
Created by: EXISTS AS NUCLEUS RESIDENT MODULE IEAVETOB
Pointed to by: TRVTTTB
Serialization: GENERAL:
 WHEN THE TRACE ADDRESS SPACE DOES NOT EXIST OR IS NOT OPERATIONAL AS A CROSS MEMORY ADDRESS SPACE, ALL TOB FIELDS ARE (RE)INITIALIZED UNDER AN ENQ ON THE TRACE RESOURCE.
 FIELD TOBTRCI IS UPDATED AT ANY TIME VIA COMPARE AND SWAP.
 FIELD TOBPWAW1 IS UPDATED AT ANY TIME UNDER DISABLEMENT ON THE PROCESSOR.
 GLOBAL FIELDS:
 WHEN THE TRACE ADDRESS SPACE IS OPERATIONAL AS A CROSS MEMORY ADDRESS SPACE, THE GLOBAL TRACE STATE FIELDS ARE SERIALIZED BY COMPARE AND SWAP, THE TRACE SPIN LOCK AND/OR SYSTEM TRACE ADDRESS SPACE LOCAL LOCK. SEE THE COMMENT ON THE PARTICULAR FIELD.
 FIELD TOBTRCI IS UPDATED AT ANY TIME VIA COMPARE AND SWAP.
 PROCESSOR RELATED FIELDS:
 WHEN THE TRACE ADDRESS SPACE IS OPERATIONAL AS A CROSS MEMORY ADDRESS SPACE, THE PROCESSOR TRACE STATE FIELDS ARE SERIALIZED BY DISABLEMENT, THE TRACE SPIN LOCK AND/OR SYSTEM TRACE ADDRESS SPACE LOCAL LOCK. SEE THE COMMENT ON THE PARTICULAR FIELD.
 FIELD TOBPWAW1 IS UPDATED AT ANY TIME UNDER DISABLEMENT ON THE PROCESSOR.
Function: CONTAIN THE SYSTEM TRACE CONFIGURATION AND STATE INFORMATION.

TOB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	144	TOB	TRACE OPTION BLOCK.
0	(0)	CHARACTER	21	TOBIDENT	TOB IDENTIFICATION FIELDS.
0	(0)	CHARACTER	4	TOBID	TOB EBCDIC IDENTIFIER.
4	(4)	CHARACTER	8	TOBDATE	MODULE DATE.
12	(C)	CHARACTER	8	TOBMLVL	MODULE LEVEL.
20	(14)	UNSIGNED	1	TOBBLVL	CONTROL BLOCK LEVEL NUMBER.
21	(15)	BITSTRING	1	TOBTRFG1	TRACE STATUS FLAGS. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
		1...		TOBSVACT	TRACE SERVICES AVAILABLE.
		.1.		TOBSTACT	TRACE ACTIVE FLAG.
		..11 1111		*	RESERVED.
22	(16)	BITSTRING	1	TOBTRFG2	TRACE PENDING FLAGS. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
		1...		TOBPNDEA	TRACE ENVIRONMENT ALTERATION PENDING.
		.1.		TOBPNDOF	TRACEOFF PENDING.
		..11 1111		*	RESERVED.
23	(17)	BITSTRING	1	TOBTRFG3	MISCELLANEOUS TRACE FLAGS.
		1...		TOBTAST	TRACE ADDRESS SPACE TERMINATION IN PROGRESS FLAG.
		.1.		TOBTAST1	TRACE address space has terminated at least once.
		..11 1111		*	Reserved.
24	(18)	CHARACTER	4	TOBRSVD2	TOBTROPT was here prior to R10. Do not use this field so that someone who had code to reference this would get zeroes

TOB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	UNSIGNED	2	TOBTRPOL	NUMBER OF PROCESSORS WITH TRACE CURRENTLY ACTIVE AND/OR SUSPENDED. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
30	(1E)	CHARACTER	2	TOBTRBUF_OLD	TOBTRBUF was here prior to R9. Do not use this field so that someone who had code to reference this would get zeroes
32	(20)	ADDRESS	4	TOBASCB	TRACE ADDRESS SPACE ASCB ADDRESS.
36	(24)	UNSIGNED	2	TOBTTRCT	Transaction Trace ETXR count count
38	(26)	UNSIGNED	2	TOBASID	TRACE ADDRESS SPACE ASID.
40	(28)	ADDRESS	4	TOBAASCB	THE ALTRTRC (OR CREATING) ADDRESS SPACE ASCB ADDRESS.
44	(2C)	ADDRESS	4	TOBVSRB	VERIFICATION SRB ADDRESS. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
48	(30)	CHARACTER	2	TOBDMPID	TRACE DUMP ID. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
50	(32)	UNSIGNED	2	TOB_BUFFERSPERCPU_MINITRACE	Number of 4K buffers per CPU in a mini-snapshot
52	(34)	SIGNED	4	TOBTRMID	TRACE TERMINATION MESSAGE ID.
56	(38)	SIGNED	4	TOBTTRCI	TRACE TTE CONTINUATION INFORMATION COUNT. SERIALIZATION - COMPARE AND SWAP.
60	(3C)	ADDRESS	4	TOBPEAD	ADDRESS OF THE PROCESSOR ENTRIES. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
64	(40)	CHARACTER	8	TOBTTCHQ	TTCH QUEUE HEADER. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
64	(40)	ADDRESS	4	TOBTTCHF	TTCH FORWARD CHAIN.
68	(44)	ADDRESS	4	TOBTTCHB	TTCH BACKWARD CHAIN.
72	(48)	UNSIGNED	8	TOBTRBUFCP	NUMBER OF BUFFERS REQUESTED PER PROCESSOR. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
80	(50)	UNSIGNED	8	TOBTRINP	Input buffers from TRACE cmd
88	(58)	BITSTRING	8	TOBTROPT	Trace options requested in approximately CR12 format. It must never be used without ANDing with the mask needed for the architecture. INITIAL STATE IS X'00000003'. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
88	(58)	CHARACTER	1	TOBTROB0 TOBTRBR TOBTRMO	BRANCH TRACE OPTION. BIT 0. MODE trace option. Bit 1.
89	(59)	CHARACTER	6	*	
95	(5F)	BITSTRING	1	TOBTROB4 *	LAST BYTE OF TRACE OPTIONS REQUESTED. RESERVED.
				TOBTRASD	ASID TRACE OPTION. BIT 30.
				TOBTREXP	EXPLICIT TRACE OPTION. BIT 31.
96	(60)	UNSIGNED	8	TOBREQBUEFSIZINM	Size requested by BUFSIZ= in 1M units
104	(68)	ADDRESS	4	TOBLLWA	Address of key 0 work area, serialized by TRACE CML lock
108	(6C)	UNSIGNED	4	TOB_MAXNUMBEROFSNAPSHOTS	Maximum number of full snapshots before we start creating mini-snapshots
112	(70)	CHARACTER	8	TOB_BR_ACTIVATION_TOD	STCK value when BR option was activated first
120	(78)	CHARACTER	8	TOB_MODE_ACTIVATION_TOD	STCK value when Mode option was activated first
128	(80)	CHARACTER	8	TOB_SNAPTRC_HWMARK_TOD	The most recent time that the SNAPTRC high water mark (TOB_SNAPTRC_HwMark) was updated
136	(88)	SIGNED	4	TOB_SNAPTRC_HWMARK	The highest value of the number of currently existing snapshots (TOB_NumberOfSnapshots) that has been
140	(8C)	SIGNED	4	TOB_NUMBEROFSNAPSHOTS	The number of currently existing snapshots
144	(90)	CHARACTER	0	TOBEND	END OF TOB.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	TOBPE (*)	PROCESSOR ENTRY. NOTE THAT IEAVCBLS MUST BE RECOMPILED IF LENGTH CHANGES
0	(0)	BITSTRING	1	TOBPGF1	PROCESSOR FLAGS. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
				TOBPTSA	PROCESSOR TRACE STRUCTURE AVAILABLE.
				*	RESERVED.
1	(1)	CHARACTER	1	TOBPRSV1	RESERVED.
2	(2)	CHARACTER	2	TOBPBUF_OLD	TOBPBUF was here prior to R9. Do not use this field so that someone who had code to reference this would get zeroes

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
4	(4)	ADDRESS	4	TOBPTBVT	VIRTUAL POINTER INTO CURRENT TRACE BUFFER VECTOR TABLE (TBVT) QUEUE FOR THE INDEXED PROCESSOR. ADDRESS OF MOST CURRENT TBVT WHEN TRACE IS SUSPENDED OR INACTIVE ON THE PROCESSOR. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
8	(8)	UNSIGNED	8	TOBPBUFCP	NUMBER OF BUFFERS FOR THIS PROCESSOR. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
16	(10)	CHARACTER	0	TOBPEND	END OF PROCESSOR ENTRY.

TOB Constants

Len	Type	Value	Name	Description
1	DECIMAL	3	TOBLVLN	TOB LEVEL NUMBER
4	DECIMAL	256	TOBTRBUFDEFAULT	Default number of buffers
4	DECIMAL	4096	TOBLLWAS	Size of area pointed to by TOBLLWA

TOB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TOB	0		TOBTRCI	38	
TOB_BR_ACTIVATION_TOD	70		TOBTREXP	5F	01
TOB_BUFFERSPERCPU_MINITRACE	32		TOBTRFG1	15	
TOB_MAXNUMBEROFSNAPSHOTS	6C		TOBTRFG2	16	
TOB_MODE_ACTIVATION_TOD	78		TOBTRFG3	17	
TOB_NUMBEROFSNAPSHOTS	8C		TOBTRINP	50	
TOB_SNAPTRC_HWMARK	88		TOBTRMID	34	
TOB_SNAPTRC_HWMARK_TOD	80		TOBTRMO	58	40
TOBAASCB	28		TOBTROB0	58	
TOBASCBC	20		TOBTROB4	5F	
TOBASID	26		TOBTROPT	58	
TOBBLVL	14		TOBTRPOL	1C	
TOBDATE	4		TOBTTCHB	44	
TOBDMPID	30		TOBTTCHF	40	
TOBEND	90		TOBTTCHQ	40	
TOBID	0		TOBTRRCT	24	
TOBIDENT	0		TOBVSRR	2C	
TOBLLWA	68				
TOBMLVL	C				
TOBPBUF_OLD	2				
TOBPBUFCP	8				
TOBPE	0				
TOBPEAD	3C				
TOBPEND	10				
TOBPFG1	0				
TOBPNDDEA	16	80			
TOBPNDOF	16	40			
TOBPRSV1	1				
TOBPTBVT	4				
TOBPTSA	0	80			
TOBREQBUBFSIZINM	60				
TOBRSVD2	18				
TOBSTACT	15	40			
TOBSVACT	15	80			
TOBTAST	17	80			
TOBTAST1	17	40			
TOBTRASD	5F	02			
TOBTRBR	58	80			
TOBTRBUF_OLD	1E				
TOBTRBUFCP	48				

TOT Information

TOT Heading Information

Common Name: System trace operand table (TOT)
Macro ID: IHATOT
DSECT Name: TOT
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TOT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: NUCLEUS (BELOW THE 16M LINE)
 Key: 0
Size: 360 BYTES
Created by: EXISTS AS NUCLEUS RESIDENT MODULE IEAVETOT
Pointed to by: PSATOT
Serialization: N/A
Function: Create or map the table of trace operands used when issuing the trace instruction.

TOT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	440	TOT	Trace operand table
0	(0)	CHARACTER	4	TOTID	TOT EBCDIC identifier
4	(4)	CHARACTER	8	TOTDATE	Module date
12	(C)	CHARACTER	8	TOTMLVL	Module level
20	(14)	UNSIGNED	1	TOTBLVL	Control block level number
21	(15)	CHARACTER	3	TOTRSD1	Reserved
24	(18)	UNSIGNED	4	TOTNUME	Number of table entries
28	(1C)	UNSIGNED	4	TOTRSD2	Reserved
32	(20)	CHARACTER	0	TOTTOTE	Start of table entries
32	(20)	CHARACTER	8	TOTSSCH	TRACE OPERAND FOR TYPE SSCH.
		1... ..		TOTSSCHI	TRACE INHIBIT BIT.
40	(28)	CHARACTER	8	TOTMSCH	TRACE OPERAND FOR TYPE MSCH.
		1... ..		TOTMSCHI	TRACE INHIBIT BIT.
48	(30)	CHARACTER	8	TOTHSCH	TRACE OPERAND FOR TYPE HSCH.
		1... ..		TOTHSCHI	TRACE INHIBIT BIT.
56	(38)	CHARACTER	8	TOTCSCH	TRACE OPERAND FOR TYPE CSCH.
		1... ..		TOTCSCHI	TRACE INHIBIT BIT.
64	(40)	CHARACTER	8	TOTRSCH	TRACE OPERAND FOR TYPE RSCH.
		1... ..		TOTRSCHI	TRACE INHIBIT BIT.
72	(48)	CHARACTER	8	TOTEXT	TRACE OPERAND FOR TYPE EXT.
		1... ..		TOTEXTI	TRACE INHIBIT BIT.
80	(50)	CHARACTER	8	TOTEMS	TRACE OPERAND FOR TYPE EMS.
		1... ..		TOTEMSI	TRACE INHIBIT BIT.
88	(58)	CHARACTER	8	TOTSS	TRACE OPERAND FOR TYPE SS.
		1... ..		TOTSSI	TRACE INHIBIT BIT.
96	(60)	CHARACTER	8	TOTCALL	TRACE OPERAND FOR TYPE CALL.
		1... ..		TOTCALLI	TRACE INHIBIT BIT.
104	(68)	CHARACTER	8	TOTCLKC	TRACE OPERAND FOR TYPE CLKC.
		1... ..		TOTCLKCI	TRACE INHIBIT BIT.
112	(70)	CHARACTER	8	TOTSVC	TRACE OPERAND FOR TYPE SVC.
		1... ..		TOTSVCI	TRACE INHIBIT BIT.
120	(78)	CHARACTER	8	TOTSVCR	TRACE OPERAND FOR TYPE SVCR.
		1... ..		TOTSVCRI	TRACE INHIBIT BIT.
128	(80)	CHARACTER	8	TOTSVC	TRACE OPERAND FOR TYPE SVCE.
		1... ..		TOTSVC	TRACE INHIBIT BIT.
136	(88)	CHARACTER	8	TOTPGM	TRACE OPERAND FOR TYPE PGM.
		1... ..		TOTPGMI	TRACE INHIBIT BIT.
144	(90)	CHARACTER	8	TOTSPER	TRACE OPERAND FOR TYPE SPER.
		1... ..		TOTSPERI	TRACE INHIBIT BIT.
152	(98)	CHARACTER	8	TOTIO	TRACE OPERAND FOR TYPE IO.
		1... ..		TOTIOI	TRACE INHIBIT BIT.
160	(A0)	CHARACTER	8	TOTDSP	TRACE OPERAND FOR TYPE DSP.
		1... ..		TOTDSP	TRACE INHIBIT BIT.
168	(A8)	CHARACTER	8	TOTSRB	TRACE OPERAND FOR TYPE SRB.
		1... ..		TOTSRBI	TRACE INHIBIT BIT.
176	(B0)	CHARACTER	8	TOTSSRB	TRACE OPERAND FOR TYPE SSRB.
		1... ..		TOTSSRBI	TRACE INHIBIT BIT.
184	(B8)	CHARACTER	8	TOTWAIT	TRACE OPERAND FOR TYPE WAIT.
		1... ..		TOTWAITI	TRACE INHIBIT BIT.

TOT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
192	(C0)	CHARACTER 1... ..	8	TOTMCH TOTMCHI	TRACE OPERAND FOR TYPE MCH. TRACE INHIBIT BIT.
200	(C8)	CHARACTER 1... ..	8	TOTRST TOTRSTI	TRACE OPERAND FOR TYPE RST. TRACE INHIBIT BIT.
208	(D0)	CHARACTER 1... ..	8	TOTACR TOTACRI	TRACE OPERAND FOR TYPE ACR. TRACE INHIBIT BIT.
216	(D8)	CHARACTER 1... ..	8	TOTSUSP TOTSUSPI	TRACE OPERAND FOR TYPE SUSP. TRACE INHIBIT BIT.
224	(E0)	CHARACTER 1... ..	8	TOTALTR TOTALTRI	TRACE OPERAND FOR TYPE ALTR. TRACE INHIBIT BIT.
232	(E8)	CHARACTER 1... ..	8	TOTSSRV TOTSSRVI	TRACE OPERAND FOR TYPE SSRV. TRACE INHIBIT BIT.
240	(F0)	CHARACTER 1... ..	8	TOTUSR0 TOTUSR0I	TRACE OPERAND FOR TYPE USR0. TRACE INHIBIT BIT.
248	(F8)	CHARACTER 1... ..	8	TOTUSR1 TOTUSR1I	TRACE OPERAND FOR TYPE USR1. TRACE INHIBIT BIT.
256	(100)	CHARACTER 1... ..	8	TOTUSR2 TOTUSR2I	TRACE OPERAND FOR TYPE USR2. TRACE INHIBIT BIT.
264	(108)	CHARACTER 1... ..	8	TOTUSR3 TOTUSR3I	TRACE OPERAND FOR TYPE USR3. TRACE INHIBIT BIT.
272	(110)	CHARACTER 1... ..	8	TOTUSR4 TOTUSR4I	TRACE OPERAND FOR TYPE USR4. TRACE INHIBIT BIT.
280	(118)	CHARACTER 1... ..	8	TOTUSR5 TOTUSR5I	TRACE OPERAND FOR TYPE USR5. TRACE INHIBIT BIT.
288	(120)	CHARACTER 1... ..	8	TOTUSR6 TOTUSR6I	TRACE OPERAND FOR TYPE USR6. TRACE INHIBIT BIT.
296	(128)	CHARACTER 1... ..	8	TOTUSR7 TOTUSR7I	TRACE OPERAND FOR TYPE USR7. TRACE INHIBIT BIT.
304	(130)	CHARACTER 1... ..	8	TOTUSR8 TOTUSR8I	TRACE OPERAND FOR TYPE USR8. TRACE INHIBIT BIT.
312	(138)	CHARACTER 1... ..	8	TOTUSR9 TOTUSR9I	TRACE OPERAND FOR TYPE USR9. TRACE INHIBIT BIT.
320	(140)	CHARACTER 1... ..	8	TOTUSRA TOTUSRAI	TRACE OPERAND FOR TYPE USRA. TRACE INHIBIT BIT.
328	(148)	CHARACTER 1... ..	8	TOTUSRB TOTUSRBI	TRACE OPERAND FOR TYPE USRB. TRACE INHIBIT BIT.
336	(150)	CHARACTER 1... ..	8	TOTUSRC TOTUSRCI	TRACE OPERAND FOR TYPE USRC. TRACE INHIBIT BIT.
344	(158)	CHARACTER 1... ..	8	TOTUSRD TOTUSRDI	TRACE OPERAND FOR TYPE USRD. TRACE INHIBIT BIT.
352	(160)	CHARACTER 1... ..	8	TOTUSRE TOTUSREI	TRACE OPERAND FOR TYPE USRE. TRACE INHIBIT BIT.
360	(168)	CHARACTER 1... ..	8	TOTUSRF TOTUSRFI	TRACE OPERAND FOR TYPE USRF. TRACE INHIBIT BIT.
368	(170)	CHARACTER 1... ..	8	TOTRCVY TOTRCVYI	TRACE OPERAND FOR TYPE RCVY. TRACE INHIBIT BIT.
376	(178)	CHARACTER 1... ..	8	TOTTIME TOTTIMEI	TRACE OPERAND FOR TYPE TIME. TRACE INHIBIT BIT.
384	(180)	CHARACTER 1... ..	8	TOTSIGA TOTSIGAI	TRACE OPERAND FOR TYPE SIGA. TRACE INHIBIT BIT.
392	(188)	CHARACTER 1... ..	8	TOTXSCH TOTXSCHI	TRACE OPERAND FOR TYPE XSCH. TRACE INHIBIT BIT.
400	(190)	CHARACTER 1... ..	8	TOTSPIN TOTSPINI	TRACE OPERAND FOR TYPE SPIN. TRACE INHIBIT BIT.
408	(198)	CHARACTER 1... ..	8	TOTPCIL TOTPCILI	TRACE OPERAND FOR TYPE PCIL. TRACE INHIBIT BIT.
416	(1A0)	CHARACTER 1... ..	8	TOTPCIA TOTPCIAI	TRACE OPERAND FOR TYPE PCIA. TRACE INHIBIT BIT.
424	(1A8)	CHARACTER 1... ..	8	TOTAINT TOTAINTI	TRACE OPERAND FOR TYPE AINT. TRACE INHIBIT BIT.
432	(1B0)	CHARACTER 1... ..	8	TOTPDMX TOTPDMXI	TRACE OPERAND FOR TYPE PDMX. TRACE INHIBIT BIT.
440	(1B8)	CHARACTER	0	TOTEND	End of TOT

TOT Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TOTLVLN	TOT level number

TOT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TOT	0		TOTSUSPI	D8	80
TOTACR	D0		TOTSVC	70	
TOTACRI	D0	80	TOTSVCE	80	
TOTAINT	1A8		TOTSVCEI	80	80
TOTAINTI	1A8	80	TOTSVCI	70	80
TOTALTR	E0		TOTSVCR	78	
TOTALTRI	E0	80	TOTSVGRI	78	80
TOTBLVL	14		TOTTIME	178	
TOTCALL	60		TOTTIMEI	178	80
TOTCALLI	60	80	TOTTOTE	20	
TOTCLKC	68		TOTUSRA	140	
TOTCLKCI	68	80	TOTUSRAI	140	80
TOTCSCH	38		TOTUSRB	148	
TOTCSCHI	38	80	TOTUSRBI	148	80
TOTDATE	4		TOTUSRC	150	
TOTDSP	A0		TOTUSRCI	150	80
TOTDSPI	A0	80	TOTUSRD	158	
TOTEMS	50		TOTUSRDI	158	80
TOTEMSI	50	80	TOTUSRE	160	
TOTEND	1B8		TOTUSREI	160	80
TOTEXT	48		TOTUSRF	168	
TOTEXTI	48	80	TOTUSRFI	168	80
TOTHSCH	30		TOTUSR0	F0	
TOTHSCHI	30	80	TOTUSR0I	F0	80
TOTID	0		TOTUSR1	F8	
TOTIO	98		TOTUSR1I	F8	80
TOTIOI	98	80	TOTUSR2	100	
TOTMCH	C0		TOTUSR2I	100	80
TOTMCHI	C0	80	TOTUSR3	108	
TOTMLVL	C		TOTUSR3I	108	80
TOTMSCH	28		TOTUSR4	110	
TOTMSCHI	28	80	TOTUSR4I	110	80
TOTNUME	18		TOTUSR5	118	
TOTPCIA	1A0		TOTUSR5I	118	80
TOTPCIAI	1A0	80	TOTUSR6	120	
TOTPCIL	198		TOTUSR6I	120	80
TOTPCILI	198	80	TOTUSR7	128	
TOTPDMX	1B0		TOTUSR7I	128	80
TOTPDMXI	1B0	80	TOTUSR8	130	
TOTPGM	88		TOTUSR8I	130	80
TOTPGMI	88	80	TOTUSR9	138	
TOTRCVY	170		TOTUSR9I	138	80
TOTRCVYI	170	80	TOTWAIT	B8	
TOTRSCH	40		TOTWAITI	B8	80
TOTRSCHI	40	80	TOTXSCH	188	
TOTRSD1	15		TOTXSCHI	188	80
TOTRSD2	1C				
TOTRST	C8				
TOTRSTI	C8	80			
TOTSIGA	180				
TOTSIGAI	180	80			
TOTSPER	90				
TOTSPERI	90	80			
TOTSPIN	190				
TOTSPINI	190	80			
TOTSRB	A8				
TOTSRBI	A8	80			
TOTSS	58				
TOTSSCH	20				
TOTSSCHI	20	80			
TOTSSI	58	80			
TOTSSRB	B0				
TOTSSRBI	B0	80			
TOTSSRV	E8				
TOTSSRVI	E8	80			
TOTSUSP	D8				

TPC Information

TPC Programming Interface information

_____ Programming Interface information _____

TPC

ONLY the following field is part of the programming interface information:

- TPCSDIE

_____ End of Programming Interface information _____

TPC Heading Information • TPC Map

TPC Heading Information

Common Name: TIMER SUPERVISION WORK AREA
Macro ID: IEAVVTPC
DSECT Name: TPC
Owning Component: TIMER SUPERVISION (SC1CV)
Eye-Catcher ID: ' TPC'
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
 Residency: below 16 Meg line
Size: 424 BYTES (DECIMAL)
Created by: IEATPC
Pointed to by: CVTTPC
Serialization: Dispatcher lock
Function: PROVIDE DATA MAPPING OF THE TPC.

TPC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TPC	,TPCPTR
0	(0)	DBL WORD	8	IEATPC (0)	TIMER SUPERVISION WORK AREA
0	(0)	CHARACTER	4	TPCTPCA	TPC IDENTIFICATION
4	(4)	BITSTRING	1	TPCFLGS1	TPCA FLAG BYTE 1
		1...		TPCABND	"X'80" REAL TQES ABENDED
		.1..		TPCSOFF	"X'40" STP is not supported if set to 1.
		..1.		TPCUNKWN	"X'20" IO CLOCK STAT UNKNOWN
		...1		TPCPRMPT	"X'10" OPERATOR PROMPTING REQUIRED DURING TOD CLOCK INITIALIZATION. CONTROLLED BY SYS1.PARMLIB MEMBER CLOCKXX OPERATOR STATEMENT
		.... 1..		TPCIPLSC	"X'08" TOD SYNC CHECK OCCURRED DURING IPL
		.... .1..		TPCSIM	"X'04" SIMETRID SPECIFIED IN SYS1.PARMLIB MEMBER CLOCKXX
5	(5)	BITSTRING	2		RESERVED
7	(7)	BITSTRING	1	TPCCC	STCK CONDITION CODE
8	(8)	SIGNED	4	TPCTZORG	IPL TIME ZONE CONSTANT
12	(C)	ADDRESS	4	TPCHDCCQ	HEAD OF REAL TIME QUEUE
16	(10)	CHARACTER	4	TPCDMTQE	DUMMY TQE
20	(14)	ADDRESS	4	DFD	DUMMY TQE
24	(18)	ADDRESS	4		DUMMY TQE
28	(1C)	SIGNED	2		DUMMY TQE
30	(1E)	BITSTRING	1		DUMMY TQE
31	(1F)	BITSTRING	1		DUMMY TQE
32	(20)	BITSTRING	8		DUMMY TQE
40	(28)	CHARACTER	4	TPCMNTQE	MIDNIGHT TQE
44	(2C)	SIGNED	4		MIDNIGHT TQE
48	(30)	SIGNED	4		MIDNIGHT TQE
52	(34)	SIGNED	2		MIDNIGHT TQE
54	(36)	BITSTRING	1		MIDNIGHT TQE
55	(37)	BITSTRING	1		MIDNIGHT TQE
56	(38)	SIGNED	4	MNIGHT (2)	MIDNIGHT TQE
64	(40)	CHARACTER	4	TPCMFTQE	RMF TQE
68	(44)	SIGNED	4		RMF TQE
72	(48)	SIGNED	4		RMF TQE
76	(4C)	SIGNED	2		RMF TQE
78	(4E)	BITSTRING	1		RMF TQE
79	(4F)	BITSTRING	1		RMF TQE
80	(50)	SIGNED	4	(2)	RMF TQE
88	(58)	CHARACTER	4	IEATSELM	SYSTEM RESOURCES MANAGER TQE
92	(5C)	SIGNED	4		SYSTEM RESOURCES MANAGER TQE
96	(60)	SIGNED	4		SYSTEM RESOURCES MANAGER TQE
100	(64)	SIGNED	2		SYSTEM RESOURCES MANAGER TQE
102	(66)	BITSTRING	1		SYSTEM RESOURCES MANAGER TQE
103	(67)	BITSTRING	1		SYSTEM RESOURCES MANAGER TQE
104	(68)	SIGNED	4	(2)	SYSTEM RESOURCES MANAGER TQE
112	(70)	CHARACTER	4	TPCLMTQE	TIME LIMIT CHECKING TQE
116	(74)	SIGNED	4		TIME LIMIT CHECKING TQE
120	(78)	SIGNED	4		TIME LIMIT CHECKING TQE
124	(7C)	SIGNED	2		TIME LIMIT CHECKING TQE
126	(7E)	BITSTRING	1		TIME LIMIT CHECKING TQE
127	(7F)	BITSTRING	1		TIME LIMIT CHECKING TQE
128	(80)	SIGNED	4	(2)	TIME LIMIT CHECKING TQE
136	(88)	SIGNED	4	TPCIDCNT	COUNT OF LAST STIMERM ID ASSIGNED
140	(8C)	ADDRESS	4	TPCSTPC	ADDRESS OF SECONDARY TIMER WORK AREA (STPC).

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
144	(90)	CHARACTER	4	TPCTATQE	TOD ACCURACY MONITOR TQE
148	(94)	SIGNED	4		TOD ACCURACY MONITOR TQE
152	(98)	SIGNED	4		TOD ACCURACY MONITOR TQE
156	(9C)	SIGNED	2		TOD ACCURACY MONITOR TQE
158	(9E)	BITSTRING	1		TOD ACCURACY MONITOR TQE
159	(9F)	BITSTRING	1		TOD ACCURACY MONITOR TQE
160	(A0)	SIGNED	4	(2)	TOD ACCURACY MONITOR TQE
168	(A8)	BITSTRING	90	TPCRS0A8	RESERVED
258	(102)	SIGNED	2	TPCSYSNM	HW copy of CPLXSYSNUM
260	(104)	ADDRESS	4	TPCTAMR	"V(IEATTAMR)" ADDRESS OF IEATTAMR
264	(108)	SIGNED	4	TPCWORK (2)	WORK AREA
272	(110)	SIGNED	4	TPCMISC (18)	WORK AREA
344	(158)	ADDRESS	4	TPCVPTR	"V(IEAVRNEW)" ADDR OF VARY ONLINE ROUTINE
348	(15C)	ADDRESS	4	TPCFRRP	"V(IEAVRFRR)" ADDR OF TIMER FRR
352	(160)	SIGNED	4	TPCCRSVAV	SAVE AREA FOR CR 0
356	(164)	SIGNED	4	TPCTCWA	ADDR OF TOD WORKAREA
360	(168)	SIGNED	4	TPCRSRB (11)	
404	(194)	ADDRESS	4	TPCCKQ	"V(IEAVRCKQ)" ADDRESS OF IEAVRCKQ
408	(198)	ADDRESS	4	TPCCLA	ADDRESS OF IEAVRCLA
412	(19C)	ADDRESS	4	TPCSDIE	"V(IEAVRDIE)" ADDRESS OF SETDIE
416	(1A0)	ADDRESS	4	TPCOCL	"V(IEAVROCL)" ADDRESS OF IEAVROCL
420	(1A4)	ADDRESS	4	TPCTTOC	"V(IEATTOC)" ADDRESS OF IEATTOC

TPC Cross Reference

Name	Hex Offset	Hex Value
DFD	14	
IEATPC	0	
IEATSELM	58	40E3D8C5
MNIGHT	38	0
TPC	0	
TPCABND	4	80
TPCCC	7	0
TPCCKQ	194	
TPCCLA	198	
TPCCRSVAV	160	0
TPCDMTQE	10	40E3D8C5
TPCFLGS1	4	0
TPCFRRP	15C	
TPCHDCCQ	C	
TPCIDCNT	88	0
TPCIPLSC	4	8
TPCLMTQE	70	40E3D8C5
TPCMFTQE	40	40E3D8C5
TPCMISC	110	0
TPCMNTQE	28	40E3D8C5
TPCOCL	1A0	
TPCPRMPT	4	10
TPCRSRB	168	0
TPCRS0A8	A8	
TPCSDIE	19C	
TPCSIM	4	4
TPCSOFF	4	40
TPCSTPC	8C	
TPCSYSNM	102	0
TPCTAMR	104	
TPCTATQE	90	40E3D8C5
TPCTCWA	164	0
TPCTPCA	0	40E3D7C3
TPCTTOC	1A4	
TPCTZORG	8	0
TPCUNKWN	4	20
TPCVPTR	158	
TPCWORK	108	0

TQE Information

TQE Programming Interface information

Programming Interface information

TQE

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

- TQE AID
- TQE ASCB
- TQE EXIT
- TQE TCB
- TQE AMODE
- TQE DREGS
- TQE EXMODE
- TQE VAL

End of Programming Interface information

TQE Heading Information • TQE Map

TQE Heading Information

Common Name: TIMER QUEUE ELEMENT
Macro ID: IHATQE
DSECT Name: TQE
Owning Component: Timer (SC1CV)
Eye-Catcher ID: TQE
 Offset: 0
 Length: 4
Storage Attributes: Subpool: SQA (245, 248)
 Key: 0
 Residency: Above or below 16M line
Size: Offset of TQEEND minus the offset of TQE
Created by: IEAVRTI0
 IEAVRT00
 IEAVXTSW
 Programs which set a Timer DIE
Pointed to by:
Serialization: Dependent on the specific field
Function: Process a time interval set via STIMER, STIMERM, or timer DIE.

TQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TQE	,TQEPTR TIMER QUEUE ELEMENT
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	4	TQETQE	TQE IDENTIFICATION
4	(4)	ADDRESS	4	TQEFLNK	ADDRESS OF NEXT TQE
8	(8)	ADDRESS	4	TQEBLNK	ADDRESS OF PREVIOUS TQE
12	(C)	SIGNED	2	TQEASID	REQUESTORS ASID
14	(E)	BITSTRING	1	TQEFLGS	TQE FLAG BYTE 1
		1...		TQEOFF	"X'80" TQE IS OFF TIMER QUEUE
		.1..		TQETOD	"X'40" TOD OPTION SPECIFIED
		..1.		TQEGMT	"X'20" GMT OPTION SPECIFIED
		...1		TQEWLIM	"X'10" WAIT LIMIT EXCEEDED
		.... 1...		TQEINCOM	"X'08" INTERVAL IS COMPLETE
		.... .1..		TQEXITSP	"X'04" AN EXIT WAS SPECIFIED
		.... ..11		TQETYPE	"X'03" TQE TYPE 00=TASK TYPE 01=WAIT TYPE 11=REAL TYPE
15	(F)	BITSTRING	1	TQEFLGS2	TQE FLAG BYTE 2
		1...		TQECOMP	"X'80" REAL TQE IS BEING TIMED
		.1..		TQEUSER	"X'40" NON SYSTEM TQE
		..1.		TQETAMR	"X'20" TOD ACCURACY MONITOR TQE
		.... 1...		TQEDUM	"X'10" DUMMY SYSTEM TQE
		.... .1..		TQELM	"X'08" TIME LIMIT CHECKING SYSTEM TQE
		.... ..1.		TQEOPT	"X'04" SYSTEM RESOURCES MANAGER TQE
		.... ..1.		TQEMF1	"X'02" RMF SYSTEM TQE
		.... ...1		TQEMIDN	"X'01" MIDNIGHT SYSTEM TQE
16	(10)	SIGNED	4	TQEVAL (2)	EXPIRATION TIME OR TIME LEFT
24	(18)	ADDRESS	4	TQESADDR	ADDRESS OF PP SAVE AREA
28	(1C)	ADDRESS	4	TQEEXIT	ADDRESS OF USER EXIT RTN
		1...		TQEXMODE	"X'80" AMODE OF EXIT ROUTINE
28	(1C)	X'1C'	0	TQEECB	"TQEEXIT" ECB IF WAIT TYPE TQE
32	(20)	ADDRESS	4	TQETCB	ADDRESS OF USER TCB
36	(24)	ADDRESS	4	TQEASCB	ADDRESS OF USER ASCB
40	(28)	SIGNED	4	TQELHPSW	FIRST WORD OF CURRENT PSW
44	(2C)	CHARACTER	44	TQESRB	SRB
44	(2C)	SIGNED	4	TQEDREGS (11)	DIE ENTRY.
88	(58)	BITSTRING	1	TQEFLGS3	TQE FLAG BYTE 3
		1...		TQEDIE	"X'80" DIE TQE
		.1..		TQEAMODE	"X'40" EXIT AMODE IN TQEXMODE
		..1.		TQEPURGE	"X'20" TQE SHOULD BE PURGED BY IEAVRSAE WHEN IT GETS CONTROL AS A RESULT OF AN ERROR DURING STIMER(M) WAIT. SERIALIZATION: LOCAL LOCK
89	(59)	BITSTRING	2	TQERS059	RESERVED
91	(5B)	BITSTRING	1	TQELEVEL	- TQE LEVEL INDICATOR
92	(5C)	SIGNED	4	TQEID	- STIMERM REQUEST ID
96	(60)	ADDRESS	4	TQELINK	- ADDRESS OF NEXT TQE ON ACTIVE TQE (TCBTME) QUEUE
100	(64)	SIGNED	4	TQEPARAM	- USER EXIT ROUTINE PARAMETER
104	(68)	BITSTRING	12	TQERS068	RESERVED
116	(74)	SIGNED	4	TQERSAVE	REG SAVE AREA -SETDIE
120	(78)	SIGNED	4	TQESTCK (2)	STCK AREA FOR SETDIE
120	(78)	X'78'	0	TQESTCKL	"TQESTCK" STCK AREA-LEFT HALF
120	(78)	X'7C'	0	TQESTCKR	"TQESTCK+4" STCK AREA-RIGHT HALF

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
128	(80)	CHARACTER	1	TQEEND (0)	END OF TQE
128	(80)	X'80'	0	TQELEN	"TQEEND-TQE" LENGTH OF TQE

TQE Cross Reference

Name	Hex Offset	Hex Value
TQE	0	
TQE AID	C	
TQEAMODE	58	40
TQEASCB	24	
TQEBLNK	8	
TQECOMP	F	80
TQEDIE	58	80
TQEDREGS	2C	
TQEDUM	F	10
TQE ECB	1C	1C
TQEEND	80	
TQEEXIT	1C	
TQEFLGS	E	
TQEFLGS2	F	
TQEFLGS3	58	
TQEFLNK	4	
TQEGMT	E	20
TQEID	5C	
TQEINCOM	E	8
TQELEN	80	80
TQELEVEL	5B	
TQELHPSW	28	
TQELINK	60	
TQELM	F	8
TQEMF1	F	2
TQEMIDN	F	1
TQEOFF	E	80
TQEOPT	F	4
TQEPARAM	64	
TQEPURGE	58	20
TQERSAVE	74	
TQERS059	59	
TQERS068	68	
TQESADDR	18	
TQESRB	2C	
TQESTCK	78	
TQESTCKL	78	78
TQESTCKR	78	7C
TQETAMR	F	20
TQETCB	20	
TQETOD	E	40
TQETQE	0	
TQETYPE	E	3
TQEUSER	F	40
TQEVAL	10	
TQEWLIM	E	10
TQEXITSP	E	4
TQEXMODE	1C	80

TRBP Information

TRBP Programming Interface information

Programming Interface information

TRBP

End of Programming Interface information

TRBP Heading Information • TRBP Cross Reference

TRBP Heading Information

Common Name: RESOURCES MANAGER TRANSACTION REPORTING BASIC PARAMETER LIST
Macro ID: IHATRBPL
DSECT Name: TRBP
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: VARIABLE
 Key: VARIABLE
Size: 40 BYTES
Created by: ISSUERS OF TRANSACTION-REPORTING SYSEVENTS
 TRAXRPT AND TRAXFRPT
Pointed to by: THE ADDRESS OF THE TRBP IS CONTAINED IN
 REGISTER 1 WHEN THE SYSEVENT IS ISSUED.
Serialization: NONE
Function: THE TRBP MAPS THE PARAMETER LIST PASSED BY
 CALLERS OF THE TRANSACTION REPORTING SYSEVENTS
 TRAXRPT AND TRAXFRPT. THIS IS A BASIC PARAMETER
 LIST CONTAINING THE TIME AND TRANSACTION DESCRIPTION.

TRBP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TRBP	
0	(0)	DBL WORD	8	TRBPSTIM	- TRANSACTION START TIME (STCK FORMAT)
0	(0)	X'0'	0	TRBPETIM	"TRBPSTIM" - FULL WORD ELAPSED TIME (1.024 MS)
0	(0)	X'4'	0	TRBPRSVD	"TRBPSTIM+4" - RESERVED
8	(8)	DBL WORD	8	TRBPICSP (0)	TRANSACTION DESCRIPTION
8	(8)	CHARACTER	8	TRBPSSNM	- SUBSYSTEM NAME
16	(10)	CHARACTER	8	TRBPTRXN	- TRANSACTION NAME
24	(18)	CHARACTER	8	TRBPUSID	- USERID
32	(20)	CHARACTER	8	TRBPTRXC	- TRANSACTION CLASS
36	(24)	SIGNED	4	TRBPREF	FIELD TO PERMIT REFERENCING END OF PARAMETER LIST
40	(28)	DBL WORD	8	TRBPEND (0)	- END OF TRBP TABLE
40	(28)	X'28'	0	TRBPLEN	"TRBPEND-TRBP" - LENGTH OF TRBP TABLE

TRBP Cross Reference

Name	Hex Offset	Hex Value
TRBP	0	
TRBPEND	28	
TRBPETIM	0	0
TRBPICSP	8	
TRBPLEN	28	28
TRBPREF	24	
TRBPRSVD	0	4
TRBPSSNM	8	
TRBPSTIM	0	
TRBPTRXC	20	
TRBPTRXN	10	
TRBPUSID	18	

TRCT Information

TRCT Heading Information

Common Name: SYSTEM TRACE COPYTRC PARAMETER LIST (TRCT)
Macro ID: IHATRCT
DSECT Name: TRCT
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TRCT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: any
 Key: 0
 Data Space: no
 Residency: any
Size: 32 bytes
Created by: IEAVTSDM - SVC DUMP TRACE ROUTINE
 IEAVETFC - System Trace Table Formatter Controller
 HZRPCRTR - RTD create TRDA object method implementation
 INITIALIZATION =
 THE CREATOR OF THE CONTROL BLOCK MUST INITIALIZE
 TRCTID WITH THE ACRONYM 'TRCT' AND TRCTBLVL WITH
 THE CONSTANT TRCTLVLN.
Pointed to by: PARAMETER LIST PASSED TO COPYTRC SERVICE.
Serialization: N/A
Function: Contain parameters for adding TRACE address space to the
 caller's DU-AL or deleting TRACE address space from the
 caller's DU-AL.

TRCT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	TRCT	SYSTEM TRACE DATA COPYTRC PARAMETER LIST.
0	(0)	CHARACTER	4	TRCTID	TRCT EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRCTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	UNSIGNED	1	TRCTTYPE	Request Type
6	(6)	CHARACTER	2	TRCTRSV1	RESERVED.
8	(8)	ADDRESS	4	TRCTTCH	TTCH ADDRESS.
12	(C)	CHARACTER	4	TRCTRSV2	RESERVED.
16	(10)	ADDRESS	4	TRCTALET	For DUALADD request, this field contains the address in primary address space of the invoker for IEAVTSD to return the TRACE address space ALET. For DUALDEL request, this field contains the TRACE address space ALET.
20	(14)	CHARACTER	12	TRCTRSV3	RESERVED.
32	(20)	CHARACTER	0	TRCTEND	END OF TRCT.

TRCT Constants

Len	Type	Value	Name	Description
1	DECIMAL		TRCTLVLN	TRCT LEVEL NUMBER.
1	DECIMAL		TRCTDUALADD	Request=DUALADD
1	DECIMAL		TRCTDUALDEL	Request=DUALDEL

TRCT Cross Reference

TRCT Cross Reference

Name	Hex Offset	Hex Value
TRCT	0	
TRCTALET	10	
TRCTBLVL	4	
TRCTEND	20	
TRCTID	0	
TRCTRSV1	6	
TRCTRSV2	C	
TRCTRSV3	14	
TRCTTCH	8	
TRCTTYPE	5	

TREP Information

TREP Programming Interface information

Programming Interface information

TREP

End of Programming Interface information

TREP Heading Information • TREP Cross Reference

TREP Heading Information

Common Name: RESOURCES MANAGER TRANSACTION REPORTING EXTENDED PARAMETER LIST
Macro ID: IHATREPL
DSECT Name: TREP
Owning Component: SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: VARAIABLE
 Key: VARIABLE
Size: 72 BYTES
Created by: ISSUERS OF TRANSACTION-REPORTING SYSEVENT TRAXERPT
Pointed to by: THE ADDRESS OF THE TREP IS CONTAINED IN REGISTER 1 WHEN THE SYSEVENT IS ISSUED.
Serialization: NONE
Function: THE TREP MAPS THE PARAMETER LIST PASSED BY CALLERS OF THE TRANSACTION REPORTING SYSEVENT TRAXERPT. THIS IS AN EXTENDED PARAMETER LIST CONTAINING THE TIME, TRANSACTION DESCRIPTION, AND SERVICE DATA.

TREP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TREP	
0	(0)	SIGNED	4	TREPREF (0)	FIELD TO PERMIT REFERENCING FIRST WORD IN PARM LIST
0	(0)	DBL WORD	8	TREPSTIM	- TRANSACTION START TIME (STCK FORMAT)
8	(8)	DBL WORD	8	TREPICSV (0)	- DESCRIPTION/SERVICE
8	(8)	DBL WORD	8	TREPICSP (0)	- TRANSACTION DESCRIPTION
8	(8)	CHARACTER	8	TREPSSNM	- SUBSYSTEM NAME
16	(10)	CHARACTER	8	TREPTRXN	- TRANSACTION NAME
24	(18)	CHARACTER	8	TREPUSID	- USERID
32	(20)	CHARACTER	8	TREPTRXC	- TRANSACTION CLASS
40	(28)	DBL WORD	8	TREPSVCE (0)	- SERVICE PARAMETERS
40	(28)	DBL WORD	8	TREPCPUT	- CPU TIME (STCK FORMAT)
48	(30)	DBL WORD	8	TREPSRBT	- SRB TIME (STCK FORMAT)
56	(38)	DBL WORD	8	TREPMSOT	- MAIN STORAGE OCCUPANCY (PAGE-MSECS)
64	(40)	SIGNED	4	TREPIOCT	- LOGICAL I/O COUNT
68	(44)	CHARACTER	1	TREPFLGS	- FLAG BITS
		1...		TREPDCTI	"BIT0" - 1 IF TREPIOCT CONTAINS DCTI, 0 IF TREPIOCT CONTAINS LOGICAL I/O COUNT
69	(45)	CHARACTER	3	TREPRSVD	- RESERVED
72	(48)	DBL WORD	8	TREPEND (0)	- END OF TREP TABLE
72	(48)	X'48'	0	TREPLEN	"TREPEND-TREP" - LENGTH OF TREP TABLE

TREP Cross Reference

Name	Hex Offset	Hex Value
TREP	0	
TREPCPUT	28	
TREPDCTI	44	80
TREPEND	48	
TREPFLGS	44	
TREPICSP	8	
TREPICSV	8	
TREPIOCT	40	
TREPLEN	48	48
TREPMSOT	38	
TREPREF	0	
TREPRSVD	45	
TREPSRBT	30	
TREPSSNM	8	
TREPSTIM	0	
TREPSVCE	28	
TREPTRXC	20	
TREPTRXN	10	
TREPUSID	18	

TRFM Information

TRFM Heading Information

Common Name: System Trace Table Format Request Parameter List
Macro ID: IHATRFM
DSECT Name: TRFM
Owning Component: System Trace (SC142)
Storage Attributes: Subpool: Any subpool
 Key: 0
 Residency: Above 16M line
Size: 24 bytes
Created by: IEAVAD0C - SUPERVISOR TRACE FORMATTING
Pointed to by: Parameter list passed to system trace formatter controller (IEAVETFC).
Serialization: N/A
Function: Contain information about a request to format a system trace

TRFM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	TRFM	TRACE TABLE FORMAT REQUEST PARAMETER LIST.
0	(0)	CHARACTER	4	TRFMID	TRFM EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRFMBLVL	CONTROL BLOCK VERSION NUMBER.
5	(5)	CHARACTER	3	TRFMRSV1	RESERVED.
8	(8)	ADDRESS	4	TRFM TTCH	ADDRESS OF THE TTCH.
12	(C)	ADDRESS	4	TRFMASD	ADDRESS OF ASIDLIST. THE ASIDLIST CONSISTS OF PAIRS OF ASID RANGES. THE LIST MUST CONTAIN A 0TH ENTRY WITH TWO ZERO ASIDS. THE 0TH ENTRY IS NOT COUNTED IN TRFMASCT.
16	(10)	BITSTRING	1	TRFM OPT1	TRACE TABLE FORMAT OPTIONS BYTE 1.
		1...		TRFMALL	FORMAT TTES FOR ALL ASIDS.
		.1.		TRFM CUR	FORMAT TTES FOR THE CURRENT ADDRESS SPACE.
		..1.		TRFM FAS	FILTER TTCH TRACE ENTRIES USING ASIDLIST.
		...1		TRFM BR	FORMAT BRANCH TTES.
		... 1111		*	RESERVED.
17	(11)	BITSTRING	1	TRFMRSV2	RESERVED.
18	(12)	UNSIGNED	2	TRFMASCT	COUNT OF ASID RANGES IN THE ASIDLIST (EXCLUDING 0TH ENTRY).
20	(14)	UNSIGNED	4	TRFMRSV3	RESERVED.
24	(18)	CHARACTER	0	TRFMEND	END OF TRFM.

TRFM Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRFM LVLN	TRFM LEVEL NUMBER.

TRFM Cross Reference

Name	Hex Offset	Hex Value
TRFM	0	
TRFMALL	10	80
TRFMASCT	12	
TRFMASD	C	
TRFM BLVL	4	
TRFM BR	10	10
TRFM CUR	10	40
TRFMEND	18	
TRFM FAS	10	20
TRFMID	0	
TRFM OPT1	10	
TRFMRSV1	5	
TRFMRSV2	11	
TRFMRSV3	14	
TRFM TTCH	8	

TROB Information

TROB Programming Interface information

Programming Interface information

TROB

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

- TROBASID
- TROBPRID
- TROBTCBA
- TROBID
- TROBRET
- TROBTIME
- TROBUNIQ2
- TROBPASN
- TROBSASN
- TROBUNIQ1
- TROBUNIQ2

End of Programming Interface information

TROB Heading Information • TROB Map

TROB Heading Information

Common Name: System trace table formatter output buffer
Macro ID: IHATROB
DSECT Name: TROB
Owning Component: System trace (SC142)
Eye-Catcher ID: None
Storage Attributes: Subpool: Subpool 229, key 0 when IEAVETFC is called by SNAP. Subpool 0, key of caller when IEAVETFC is called by IPCS.
 Key: See subpool
 Data Space: No
Size: 120
Created by: IEAVETEF - System trace table entry filter/formatter routine
Pointed to by: TFWACURB (current output buffer)
Serialization: N/A
Function: Map the system tract table formatter output buffer

TROB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TROB	TRACE OUTPUT BUFFER.
0	(0)	CHARACTER	4	TROBPRID	PROCESSOR IDENTIFIER.
4	(4)	CHARACTER	1	TROBDNAP	NONBLANK WHEN DATA NOT AVAILABLE FOR ALL PROCESSORS.
5	(5)	CHARACTER	117	TROBREST (0)	Rest of SNAP-only data
5	(5)	CHARACTER	4	TROBASID	ASID.
9	(9)	CHARACTER	1	TROBS02	BLANK.
10	(A)	CHARACTER	8	TROBTCBA	TCB ADDRESS.
18	(12)	CHARACTER	1	TROBS03	1 BLANK.
19	(13)	CHARACTER	5	TROBIDEN (0)	TTE IDENTIFIER.
19	(13)	CHARACTER	1	TROBEYEC	IMPORTANT TTE EYE-CATCHER.
20	(14)	CHARACTER	4	TROBID	MNEMONIC/ACRONYM FOR TTE.
24	(18)	CHARACTER	1	TROBS04	BLANK.
25	(19)	CHARACTER	5	TROBCDEX (0)	DEVICE ADDRESS - sdddd
25	(19)	CHARACTER	1	TROBSSID	Subchannel set number
26	(1A)	CHARACTER	4	TROBCDE	INTERRUPT CODE/DEVICE ADDRESS.
26	(1A)	CHARACTER	2		
28	(1C)	CHARACTER	2	TROBAISM	Adapter interruption source mask
30	(1E)	CHARACTER	1	TROBS05	BLANK.
31	(1F)	CHARACTER	8	TROBWD1 (0)	FULLWORD SLOT NUMBER 1.
31	(1F)	CHARACTER	8	TROBPSW1 (0)	1ST HALF OF PSW ('PSW-----').
31	(1F)	CHARACTER	4	TROBW1H1 (0)	WORD 1,HALFWORD 1.
31	(1F)	CHARACTER	2	TROBW1B1 (0)	WORD 1, BYTE 1.
31	(1F)	CHARACTER	2	TROBCC	CONDITION CODE.
33	(21)	CHARACTER	2	TROBW1B2	WORD 1, BYTE 2.
35	(23)	CHARACTER	4	TROBW1H2 (0)	WORD 1,HALFWORD 2.
35	(23)	CHARACTER	2	TROBW1B3 (0)	WORD 1, BYTE 3.
35	(23)	CHARACTER	2	TROBDI	DRIVER ID.
37	(25)	CHARACTER	2	TROBW1B4	WORD 1, BYTE 4.
39	(27)	CHARACTER	1	TROBS06	BLANK.
40	(28)	CHARACTER	8	TROBWD2 (0)	FULLWORD SLOT NUMBER 2.
40	(28)	CHARACTER	8	TROBPSW2 (0)	2ND HALF OF PSW ('ADDRESS-').
40	(28)	CHARACTER	8	TROBRET (0)	RETURN ADDRESS.
40	(28)	CHARACTER	4	TROBW2H1 (0)	WORD 2,HALFWORD 1.
40	(28)	CHARACTER	2	TROBW2B1	WORD 2, BYTE 1.
42	(2A)	CHARACTER	2	TROBW2B2	WORD 2, BYTE 2.
44	(2C)	CHARACTER	4	TROBW2H2 (0)	WORD 2,HALFWORD 1.
44	(2C)	CHARACTER	2	TROBW2B3	WORD 2, BYTE 3.
46	(2E)	CHARACTER	2	TROBW2B4	WORD 2, BYTE 4.
48	(30)	CHARACTER	2	TROBS07	2 BLANKS.
50	(32)	CHARACTER	8	TROBWD3 (0)	FULLWORD SLOT NUMBER 3.
50	(32)	CHARACTER	8	TROBUNQ1 (0)	'UNIQUE-1' SLOT.
50	(32)	CHARACTER	4	TROBW3H1 (0)	WORD 3,HALFWORD 1.
50	(32)	CHARACTER	2	TROBW3B1	WORD 3, BYTE 1.
52	(34)	CHARACTER	2	TROBW3B2	WORD 3, BYTE 2.
54	(36)	CHARACTER	4	TROBW3H2 (0)	WORD 3,HALFWORD 1.
54	(36)	CHARACTER	2	TROBW3B3	WORD 3, BYTE 3.
56	(38)	CHARACTER	2	TROBW3B4	WORD 3, BYTE 4.
56	(38)	X'8'	0	TROBUNQS_LEN	""-TROBUNQ1"
58	(3A)	CHARACTER	1	TROBS08	BLANK.
59	(3B)	CHARACTER	8	TROBWD4 (0)	FULLWORD SLOT NUMBER 4.
59	(3B)	CHARACTER	8	TROBUNQ2 (0)	'UNIQUE-2' SLOT.
59	(3B)	CHARACTER	4	TROBW4H1 (0)	WORD 4,HALFWORD 1.
59	(3B)	CHARACTER	2	TROBW4B1	WORD 4, BYTE 1.
61	(3D)	CHARACTER	2	TROBW4B2	WORD 4, BYTE 2.
63	(3F)	CHARACTER	4	TROBW4H2 (0)	WORD 4,HALFWORD 1.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
63	(3F)	CHARACTER	2	TROBW4B3	WORD 4, BYTE 3.
65	(41)	CHARACTER	2	TROBW4B4	WORD 4, BYTE 4.
67	(43)	CHARACTER	1	TROBS09	BLANK.
68	(44)	CHARACTER	8	TROBWD5 (0)	FULLWORD SLOT NUMBER 5.
68	(44)	CHARACTER	8	TROBUNQ3 (0)	'UNIQUE-3' SLOT.
68	(44)	CHARACTER	4	TROBW5H1 (0)	WORD 5,HALFWORD 1.
68	(44)	CHARACTER	2	TROBW5B1	WORD 5, BYTE 1.
70	(46)	CHARACTER	2	TROBW5B2	WORD 5, BYTE 2.
72	(48)	CHARACTER	4	TROBW5H2 (0)	WORD 5,HALFWORD 1.
72	(48)	CHARACTER	2	TROBW5B3	WORD 5, BYTE 3.
74	(4A)	CHARACTER	2	TROBW5B4	WORD 5, BYTE 4.
76	(4C)	CHARACTER	2	TROBS10	2 BLANKS.
78	(4E)	CHARACTER	8	TROBWD6 (0)	FULLWORD SLOT NUMBER 6.
78	(4E)	CHARACTER	8	TROBCLHS (0)	PSACLHS.
78	(4E)	CHARACTER	4	TROBW6H1 (0)	WORD 6,HALFWORD 1.
78	(4E)	CHARACTER	2	TROBW6B1	WORD 6, BYTE 1.
80	(50)	CHARACTER	2	TROBW6B2	WORD 6, BYTE 2.
82	(52)	CHARACTER	4	TROBW6H2 (0)	WORD 6,HALFWORD 1.
82	(52)	CHARACTER	2	TROBW6B3	WORD 6, BYTE 3.
84	(54)	CHARACTER	2	TROBW6B4	WORD 6, BYTE 4.
86	(56)	CHARACTER	1	TROBS11	BLANK.
87	(57)	CHARACTER	8	TROBWD7 (0)	FULLWORD SLOT NUMBER 7.
87	(57)	CHARACTER	8	TROBLOCL (0)	PSALOCAL.
87	(57)	CHARACTER	4	TROBW7H1 (0)	WORD 7,HALFWORD 1.
87	(57)	CHARACTER	2	TROBW7B1	WORD 7, BYTE 1.
89	(59)	CHARACTER	2	TROBW7B2	WORD 7, BYTE 2.
91	(5B)	CHARACTER	4	TROBW7H2 (0)	WORD 7,HALFWORD 1.
91	(5B)	CHARACTER	2	TROBW7B3	WORD 7, BYTE 3.
93	(5D)	CHARACTER	2	TROBW7B4	WORD 7, BYTE 4.
95	(5F)	CHARACTER	1	TROBS12	BLANK.
96	(60)	CHARACTER	26	TROBS89A (0)	FULLWORD SLOTS 8 9 AND 10.
96	(60)	CHARACTER	4	TROBPASN	PRIMARY ASID (PASID).
100	(64)	CHARACTER	1	TROBS13	BLANK.
101	(65)	CHARACTER	4	TROBSASN	SECONDARY ASID (SASID).
105	(69)	CHARACTER	1	TROBS14	BLANK.
106	(6A)	CHARACTER	18	TROBCTIM (0)	Converted timestamp
106	(6A)	CHARACTER	16	TROBTIME (0)	TIMESTAMP-RECORD.
106	(6A)	CHARACTER	8	TROBTIM1	TIMESTAMP-RECORD (1ST HALF).
114	(72)	CHARACTER	8	TROBTIM2	TIMESTAMP-RECORD (2ND HALF).
122	(7A)	CHARACTER	2		Last 2 bytes of TROBCTIM
124	(7C)	CHARACTER	1	TROBS17	BLANK.
125	(7D)	CHARACTER	2	TROBCPID	PROCESSOR IDENTIFIER.
96	(60)	CHARACTER	8	TROBWD8	FULLWORD SLOT NUMBER 8.
104	(68)	CHARACTER	1	TROBS15	BLANK.
105	(69)	CHARACTER	8	TROBWD9	FULLWORD SLOT NUMBER 9.
113	(71)	CHARACTER	1	TROBS16	BLANK.
114	(72)	CHARACTER	8	TROBWDA	FULLWORD SLOT NUMBER 10.
114	(72)	X'5C'	0	TROBEYEV	"C*" EYE-CATCHER VALUE FOR TTES WITH DEBUGGING IMPORTANCE.
50	(32)	CHARACTER	8	TROBUNQS	

TROB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TROB	0		TROBPSW2	28	
TROBAISM	1C		TROBREST	5	
TROBASID	5		TROBRET	28	
TROBCC	1F		TROBSASN	65	
TROBCDE	1A		TROBSSID	19	
TROBCDEX	19		TROBS02	9	
TROBCLHS	4E		TROBS03	12	
TROBCPID	7D		TROBS04	18	
TROBCTIM	6A		TROBS05	1E	
TROBDI	23		TROBS06	27	
TROBDNAP	4		TROBS07	30	
TROBEYEC	13		TROBS08	3A	
TROBEYEV	72	5C	TROBS09	43	
TROBID	14		TROBS10	4C	
TROBIDEN	13		TROBS11	56	
TROBLOCL	57		TROBS12	5F	
TROBPASN	60		TROBS13	64	
TROBPRID	0		TROBS14	69	
TROBPSW1	1F		TROBS15	68	

TROB Cross Reference

Name	Hex Offset	Hex Value
TROBS16	71	
TROBS17	7C	
TROBS89A	60	
TROBTCBA	A	
TROBTIME	6A	
TROBTIM1	6A	
TROBTIM2	72	
TROBUNQS	32	
TROBUNQS_LEN	38	8
TROBUNQ1	32	
TROBUNQ2	3B	
TROBUNQ3	44	
TROBWDA	72	
TROBWD1	1F	
TROBWD2	28	
TROBWD3	32	
TROBWD4	3B	
TROBWD5	44	
TROBWD6	4E	
TROBWD7	57	
TROBWD8	60	
TROBWD9	69	
TROBW1B1	1F	
TROBW1B2	21	
TROBW1B3	23	
TROBW1B4	25	
TROBW1H1	1F	
TROBW1H2	23	
TROBW2B1	28	
TROBW2B2	2A	
TROBW2B3	2C	
TROBW2B4	2E	
TROBW2H1	28	
TROBW2H2	2C	
TROBW3B1	32	
TROBW3B2	34	
TROBW3B3	36	
TROBW3B4	38	
TROBW3H1	32	
TROBW3H2	36	
TROBW4B1	3B	
TROBW4B2	3D	
TROBW4B3	3F	
TROBW4B4	41	
TROBW4H1	3B	
TROBW4H2	3F	
TROBW5B1	44	
TROBW5B2	46	
TROBW5B3	48	
TROBW5B4	4A	
TROBW5H1	44	
TROBW5H2	48	
TROBW6B1	4E	
TROBW6B2	50	
TROBW6B3	52	
TROBW6B4	54	
TROBW6H1	4E	
TROBW6H2	52	
TROBW7B1	57	
TROBW7B2	59	
TROBW7B3	5B	
TROBW7B4	5D	
TROBW7H1	57	
TROBW7H2	5B	

TRSN Information

TRSN Heading Information

Common Name: SYSTEM TRACE SNAPTRC PARAMETER LIST (TRSN)
Macro ID: IHATRSN
DSECT Name: TRSN
Owning Component: System Trace (SC142)
Eye-Catcher ID: TRSN
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Any
 Key: 0
 Data Space: no
 Residency: Any
Size: 40 bytes
Created by: INVOKER OF SNAPTRC OR ASIDTRC SERVICES.
 HZRPCRTR - Create TRDA object method implementation
 IEAVAD00 - SVC 51 (SNAP OR SVCDUMP)
 IEAVAD01 - SNAP MAINLINE
 IEAVTABD - ABDUMP
 IEAVTRT2 - RTM2 INITIALIZATION (SVC 13 ENTRY POINT)
 IEAVTSDM - SVC DUMP TRACE ROUTINE
 IEAVTSDR - SVC DUMP RESOURCE MANAGER
 IEAVTSDX - SVC DUMP BRANCH ENTRY
 IEAVETRM - SYSTEM TRACE TASK/ADDRESS SPACE TERMINATION
 RESOURCE MANAGER
 INITIALIZATION =
 THE CREATOR OF THE CONTROL BLOCK MUST INITIALIZE
 TRSNID WITH THE ACRONYM 'TRSN' AND TRSNBLVL WITH
 THE CONSTANT TRSNLVLN.
Pointed to by: PARAMETER LIST PASSED TO SNAPTRC AND ASIDTRC SERVICES.
Serialization: N/A
Function: CONTAIN PARAMETERS FOR SNAPTRC AND ASIDTRC SERVICES.

TRSN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	TRSN	TRACE SNAPTRC parameter list.
0	(0)	CHARACTER	4	TRSNID	TRSN EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRSNBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	UNSIGNED	1	TRSNCALLER	Caller when requesting a snapshot
		1...		TRSNMINI	Indication returned to the requestor of a snapshot If it's '1' - it is a mini snapshot
6	(6)	CHARACTER	2	TRSNLLID	ASID OF LOCAL LOCK HELD BY WORK SCHEDULING SRB TO ISSUE SNAPTRC.
8	(8)	CHARACTER	2	TRSNATYPE	REQUEST TYPE.
10	(A)	CHARACTER	2	TRSNASID	OWNING ASID FOR SNAPTRC TRSNSNAP REQUEST, FILTER ASID FOR ASIDTRC TRSNATRC REQUEST, ASID OF TRACE ADDRESS SPACE RETURNED FOR THESE REQUESTS.
12	(C)	ADDRESS	4	TRSNTTCH	TTCH ADDRESS.
16	(10)	UNSIGNED	4	TRSNLEN	LENGTH OF TTCH.
20	(14)	ADDRESS	4	TRSNTCB	ADDRESS OF TERMINATING TCB FOR SNAPTRC TRSNKFR REQUEST.
24	(18)	ADDRESS	8	TRSNTTCHBUF	TTCH BUFFER ADDRESS.
32	(20)	UNSIGNED	8	TRSNBUFOBJS	NUMBER OF TTCH MEMORY OBJECTS
40	(28)	CHARACTER	0	TRSNEND	END OF TRSN.

TRSN Constants • TRSN Cross Reference

TRSN Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRSNLVLN	TRSN LEVEL NUMBER.
1	DECIMAL	1	TRSNSNAP	SNAPTRC REQUEST TYPE TO SNAPSHOT THE TRACE TABLE.
1	DECIMAL	2	TRSNATRC	ASIDTRC REQUEST TYPE TO FILTER A TRACE TABLE SNAPSHOT (TTCH).
1	DECIMAL	3	TRSNFREE	SNAPTRC REQUEST TYPE TO FREE A TTCH.
1	DECIMAL	4	TRSNTKFR	SNAPTRC REQUEST TYPE TO FREE ALL TTCHS OWNED BY THE SPECIFIED TASK AND ASID.
1	DECIMAL	5	TRSNASFR	SNAPTRC REQUEST TYPE TO FREE ALL TTCHS OWNED BY THE SPECIFIED ASID.
1	DECIMAL	6	TRSNRASN	SNAPTRC request type to reassign the specified TTCH to the specified ASID/TCB.
1	DECIMAL	1	TRSNRTM	The SNAPTRC requestor is RTM
1	DECIMAL	2	TRSNSNAPD	The SNAPTRC requestor is SNAP
1	DECIMAL	3	TRSNRTD	The SNAPTRC requestor is RTD
1	DECIMAL	4	TRSNSDUMP	The SNAPTRC requestor is SDUMP
1	DECIMAL	5	TRSNSYSMDUMP	The SNAPTRC requestor is SYSMDUMP/IEATDUMP
1	DECIMAL	6	TRSNHIS	The SNAPTRC requestor is HIS
1	DECIMAL	0	TRSNOTHERS	The default will always be full snapshot

TRSN Cross Reference

Name	Hex Offset	Hex Value
TRSN	0	
TRSNASID	A	
TRSNBLVL	4	
TRSNBUFOBJS	20	
TRSNCALLER	5	
TRSNEND	28	
TRSNID	0	
TRSNLEN	10	
TRSNLLID	6	
TRSNMINI	5	80
TRSNTCB	14	
TRSNTTCH	C	
TRSNTTCHBUF	18	
TRSNATYPE	8	

TRST Information

TRST Heading Information

Common Name: System Trace status parameter list (TRST)
Macro ID: IEEZB901
DSECT Name: TRST
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TRST
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: Yes
 Virtual Storage: Yes
 Auxiliary Storage: Yes
 Subpool: ANY
 Key: 0
 Data Space: No
 Residency: ANY
Size: 24 bytes
Created by: IEECB806 - TRACE COMMAND PROCESSOR
 INITIALIZATION = THE CREATOR OF THE CONTROL BLOCK MUST INITIALIZE TRSTID WITH THE ACRONYM 'TRST' AND TRSTBLVL WITH THE CONSTANT TRSTLVLN.
Pointed to by: PARAMETER LIST PASSED TO TRACE STATUS SERVICE.
Serialization: N/A
Function: Contain system trace status information which describes the current state of system trace.

TRST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	TRST	SYSTEM TRACE STATUS PARAMETER LIST.
0	(0)	CHARACTER	4	TRSTID	TRST EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRSTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	3	TRSTRSV1	RESERVED.
8	(8)	BITSTRING	4	TRSTSTFG	SYSTEM TRACE STATUS FLAGS.
8	(8)	BITSTRING	1	*	
		1... ..		TRSTACT	SYSTEM TRACE ACTIVE.
9	(9)	BITSTRING	2	*	
11	(B)	BITSTRING	1	TRSTSTF4	STATUS FLAGS BYTE 4.
		1111		*	
		.... 1...		TRSTM0	MODE TRACING ACTIVE.
		.... .1..		TRSTBR	BRANCH TRACING ACTIVE.
		.... ..1.		TRSTAS	ASID TRACING ACTIVE.
		.... ...1		TRSTEX	EXPLICIT TRACING ACTIVE.
12	(C)	UNSIGNED	4	TRSTSZPT	SPACE ALLOCATED FROM SYSTEM TRACE BUFFERS ON EACH PROCESSOR IN UNITS OF M BYTES.
16	(10)	UNSIGNED	4	TRSTSZTT	SPACE ALLOCATED FOR SYSTEM TRACE TABLE IN UNITS OF M BYTES.
20	(14)	CHARACTER	4	TRSTRSV2	RESERVED.
24	(18)	CHARACTER	0	TRSTEND	END OF TRST.

TRST Constants

Len	Type	Value	Name	Description
1	DECIMAL	1	TRSTLVLN	TRST LEVEL NUMBER.

TRST Cross Reference

TRST Cross Reference

Name	Hex Offset	Hex Value
TRST	0	
TRSTACT	8	80
TRSTAS	B	02
TRSTBLVL	4	
TRSTBR	B	04
TRSTEND	18	
TRSTEX	B	01
TRSTID	0	
TRSTMO	B	08
TRSTRSV1	5	
TRSTRSV2	14	
TRSTSTFG	8	
TRSTSTF4	B	
TRSTSZPT	C	
TRSTSZTT	10	

TRVT Information

TRVT Programming Interface information

Programming Interface information

TRVT

INCLUDE ONLY

End of Programming Interface information

TRVT Heading Information • TRVT Map

TRVT Heading Information

Common Name: System trace vector table (TRVT)
Macro ID: IHATRVT
DSECT Name: TRVT
Owning Component: System trace (SC142)
Eye-Catcher ID: TRVT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Nucleus
 Key: 0
 Residency: LOC(BELOW)
Size:
Created by: Exists as nucleus resident module IEAVETVT
Pointed to by: PSATRVT
Serialization: N/A
Function: Contain addresses of system trace service routines and control blocks.

TRVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TRVT	TRACE VECTOR TABLE.
0	(0)	CHARACTER	4	TRVTID	TRVT EBCDIC IDENTIFIER.
4	(4)	CHARACTER	8	TRVTDATE	MODULE DATE.
12	(C)	CHARACTER	8	TRVTMLVL	MODULE LEVEL.
20	(14)	BITSTRING	1	TRVTBLVL	CONTROL BLOCK LEVEL NUMBER.
21	(15)	CHARACTER	3	TRVTRSV1	RESERVED.
24	(18)	ADDRESS	4	TRVTOB	ADDRESS OF TRACE OPTION BLOCK.
28	(1C)	ADDRESS	4	TRVTETAT	ADDRESS OF ALTRTRC SERVICE INTERFACE.
32	(20)	ADDRESS	4	TRVTETST	ADDRESS OF SNAPTRC SERVICE INTERFACE.
36	(24)	ADDRESS	4	TRVTETAF	ADDRESS OF ASIDTRC SERVICE INTERFACE.
40	(28)	ADDRESS	4	TRVTETSC	ADDRESS OF TRACE STORAGE CHECK RECOVERY ROUTINE.
44	(2C)	ADDRESS	4	TRVTETRR	ADDRESS OF TRACE RECEIVING ROUTINE FOR RISGNL(SERIAL)
48	(30)	ADDRESS	4	TRVTETCT	ADDRESS OF COPYTRC SERVICE INTERFACE.
52	(34)	ADDRESS	4	TRVTETTV	ADDRESS OF VERFYTRC SERVICE INTERFACE.
56	(38)	ADDRESS	4	TRVTETFR	ADDRESS OF TRACE SERVICES GENERAL FR.
60	(3C)	ADDRESS	4	TRVTETTD	ADDRESS OF TRACE TIMER DIE ROUTINE.
64	(40)	ADDRESS	4	TRVTRSV2	RESERVED.
68	(44)	ADDRESS	4	TRVTRSV3	RESERVED.
72	(48)	BITSTRING	4	TRVTRPMK	REGISTER PAIR INDICATOR MASK.
76	(4C)	ADDRESS	4	TRVTRSV4	RESERVED. TRVTTWCW1 WAS HERE PRIOR TO R10.
80	(50)	BITSTRING	4	TRVTTPSR	TIME INTERVAL THAT SYSTEM TRACE PROCESSOR STRUCTURE IS RETAINED AFTER ACR OR VARY PROCESSOR OFFLINE. X'00000001' IS 1.048576 SECONDS.
84	(54)	ADDRESS	4	TRVTETSS	ADDRESS OF START SUBCHANNEL TTE CREATION ROUTINE.
88	(58)	ADDRESS	4	TRVTETMS	ADDRESS OF MODIFY SUBCHANNEL TTE CREATION ROUTINE.
92	(5C)	ADDRESS	4	TRVTETHS	ADDRESS OF HALT SUBCHANNEL TTE CREATION ROUTINE.
96	(60)	ADDRESS	4	TRVTETCS	ADDRESS OF CLEAR SUBCHANNEL TTE CREATION ROUTINE.
100	(64)	ADDRESS	4	TRVTETRS	ADDRESS OF RESUME SUBCHANNEL TTE CREATION ROUTINE.
104	(68)	ADDRESS	4	TRVTETEX	ADDRESS OF EXTERNAL INTERRUPT TTE CREATION ROUTINE.
108	(6C)	ADDRESS	4	TRVTETSV	ADDRESS OF SVC INTERRUPT TTE CREATION ROUTINE.
112	(70)	ADDRESS	4	TRVTETSR	ADDRESS OF SVC RETURN TTE CREATION ROUTINE.
116	(74)	ADDRESS	4	TRVTETSE	ADDRESS OF SVC ERROR TTE CREATION ROUTINE.
120	(78)	ADDRESS	4	TRVTETPI	ADDRESS OF PROGRAM INTERRUPT TTE CREATION ROUTINE.
124	(7C)	ADDRESS	4	TRVTETIO	ADDRESS OF I/O INTERRUPT TTE CREATION ROUTINE.
128	(80)	ADDRESS	4	TRVTETDP	ADDRESS OF TASK DISPATCH TTE CREATION ROUTINE.
132	(84)	ADDRESS	4	TRVTETIS	ADDRESS OF INITIAL SRB DISPATCH TTE CREATION ROUTINE.
136	(88)	ADDRESS	4	TRVTETSB	ADDRESS OF SUSPENDED SRB DISPATCH TTE CREATION ROUTINE.
140	(8C)	ADDRESS	4	TRVTETWT	ADDRESS OF WAIT TASK DISPATCH TTE CREATION ROUTINE.
144	(90)	ADDRESS	4	TRVTETMH	ADDRESS OF MACHINE CHECK TTE CREATION ROUTINE.
148	(94)	ADDRESS	4	TRVTETRE	ADDRESS OF RESTART TTE CREATION ROUTINE.
152	(98)	ADDRESS	4	TRVTETAR	ADDRESS OF ACR TTE CREATION ROUTINE.
156	(9C)	ADDRESS	4	TRVTETSU	ADDRESS OF SUSPENSION TTE CREATION ROUTINE.
160	(A0)	ADDRESS	4	TRVTETTA	ADDRESS OF TRACE ALTERATION TTE CREATION ROUTINE.
164	(A4)	ADDRESS	4	TRVTETUR	ADDRESS OF USER EVENT TTE CREATION ROUTINE.
168	(A8)	ADDRESS	4	TRVTETSL	ADDRESS OF SLIP/PER EVENT TTE CREATION ROUTINE.
172	(AC)	ADDRESS	4	TRVTETSY	ADDRESS OF PC OR BRANCH ENTERED SYSTEM SERVICE TTE CREATION ROUTINE.
176	(B0)	ADDRESS	4	TRVTETRV	ADDRESS OF RCVY TTE CREATION ROUTINE.
180	(B4)	ADDRESS	4	TRVTETTM	ADDRESS OF TIME TTE CREATION ROUTINE
184	(B8)	ADDRESS	4	TRVTETSA	ADDR OF SIGA CREATION RTN
188	(BC)	ADDRESS	4	TRVTRSV5	TRVTTWCW0 WAS HERE PRIOR TO R10

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
192	(C0)	DBL WORD	8	TRVTTCTX	MASK TO PRESERVE ONLY THE TRACE CONTROL BITS FROM A CR12 VALUE. THIS IS TRVTTCW1 XC'D WITH "-1"
200	(C8)	ADDRESS	4	TRVTETXS	ADDRESS OF CANCEL SUBCHANNEL TTE CREATION ROUTINE.
204	(CC)	ADDRESS	4	TRVTETUG	ADDRESS OF USER EVENT TTE CREATION ROUTINE.ZARCH
208	(D0)	ADDRESS	4	TRVTRSPA	RESERVED FOR FUTURE USE
212	(D4)	ADDRESS	4	TRVTSPIT	ADDRESS OF SERVICE PROCESSOR INTERFACE MODULE THAT GATHERS DATA FOR THE SS TYPE ENTRY
216	(D8)	DBL WORD	8	TRVTTCW1	MASK TO CLEAR THE TRACING CONTROL BITS FROM BITS 0-63 OF A CR12 VALUE. A DUPLICATE OF THIS CONSTANT IS DEFINED IN THE DAT-OFF PROGRAM CHECK FLIH (IEAVEPCO) WHICH MUST CHANGE IF THIS CONSTANT CHANGES.
224	(E0)	DBL WORD	8	TRVTTCTO	MASK TO PRESERVE ONLY THE TRACE CONTROL BITS IN THE OPTION WORD.
232	(E8)	ADDRESS	4	TRVTETSP	ADDRESS OF SPIN TTE CREATION ROUTINE.
236	(EC)	ADDRESS	4	TRVTETRB	ADDRESS OF TRACE RECEIVING ROUTINE FOR RISGNL(BROADCAST)
240	(F0)	ADDRESS	4	TRVTETPL	ADDRESS OF TRACE ROUTINE FOR PCIE LOAD (IEAVPCIL)
244	(F4)	ADDRESS	4	TRVTETPS	ADDRESS OF TRACE ROUTINE FOR PCIE STORE (IEAVPCIS)
248	(F8)	ADDRESS	4	TRVTETAI	ADDRESS OF TRACE ROUTINE FOR Adapter interrupts (IEAVAIINT)
252	(FC)	ADDRESS	4	TRVTETPD	ADDRESS OF TRACE ROUTINE FOR PCIE Adapter demultiplexing (IEAVPDMX)
256	(100)	DBL WORD.... ...1	8	TRVTEND (0) TRVTLVLN	END OF TRVT. "X'01" TRVT LEVEL NUMBER.

TRVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TRVT	0		TRVTETXS	C8	
TRVTBLVL	14		TRVTID	0	
TRVTDATE	4		TRVTLVLN	100	1
TRVTEND	100		TRVTMLVL	C	
TRVTETAF	24		TRVTRPMK	48	80000000
TRVTETAI	F8		TRVTRSPA	D0	
TRVTETAR	98		TRVTRSV1	15	
TRVTETAT	1C		TRVTRSV2	40	
TRVTETCS	60		TRVTRSV3	44	
TRVTETCT	30		TRVTRSV4	4C	
TRVTETDP	80		TRVTRSV5	BC	
TRVTETEX	68		TRVTSPIT	D4	
TRVTETFR	38		TRVTTCTO	E0	
TRVTETHS	5C		TRVTTCTX	C0	
TRVTETIO	7C		TRVTTCW1	D8	
TRVTETIS	84		TRVTTTOB	18	
TRVTETMH	90		TRVTTPSR	50	
TRVTETMS	58				
TRVTETPD	FC				
TRVTETPI	78				
TRVTETPL	F0				
TRVTETPS	F4				
TRVTETRB	EC				
TRVTETRE	94				
TRVTETRR	2C				
TRVTETRS	64				
TRVTETRV	B0				
TRVTETSA	B8				
TRVTETSB	88				
TRVTETSC	28				
TRVTETSE	74				
TRVTETSL	A8				
TRVTETSP	E8				
TRVTETSR	70				
TRVTETSS	54				
TRVTETST	20				
TRVTETSU	9C				
TRVTETSV	6C				
TRVTETSY	AC				
TRVETTA	A0				
TRVETTD	3C				
TRVETTM	B4				
TRVETTV	34				
TRVETUG	CC				
TRVETUR	A4				
TRVETWT	8C				

TTCH Information

TTCH Heading Information

Common Name: System Trace Table Snapshot Copy Header (TTCH)
Macro ID: IHATTCH
DSECT Name: TTCH, TTCHBS
Owning Component: System Trace (SC142)
Eye-Catcher ID: TTCH
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229
 Key: 0
Size: varies
Created by: IEAVETSN - System trace table snapshot routine
 IEAVETTF - system trace table snapshot filter routine
 INITIALIZATION =
 The creator of the control block must initialize
 TTCHID with the acronym 'TTCH' and TTCHBLVL with
 the constant TTCHLVLN.
Pointed to by: PRDTTCH (SVC DUMP)
 TFWATTCH
 TOBTTCHF
 TOBTTCHB
 TRFMTTCH
 TRSNTTCH
 TTCHFWRD
 TTCHBWRD
Serialization: System trace address space local lock
Function: Contain information which describes a copy of the
 trace table.

TTCH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	TTCH	TRACE TABLE COPY HEADER.
0	(0)	CHARACTER	4	TTCHID	TTCH EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TTCHBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	BITSTRING	1	TTCHFLGS	TTCH FLAGS.
		1...		TTCHATRC	TTCH PRE-FILTERED BY ASID BY THE ASIDTRC SERVICE.
		.1..		TTCH_MINI_TRACE	Mini snapshot
6	(6)	CHARACTER	1	TTCHRSV1	RESERVED.
7	(7)	UNSIGNED	1	TTCH_SNAPTRC_CALLER	SNAPTRC requestor identity 1=RTM, 2=SNAP, 3=RTD, 4=SDUMP, 5=SYSMDUMP/IEATDUMP, 6=HIS, 0=others
8	(8)	ADDRESS	4	TTCHFWRD	FORWARD CHAIN POINTER.
12	(C)	ADDRESS	4	TTCHBWRD	BACKWARD CHAIN POINTER.
16	(10)	UNSIGNED	4	TTCHSIZE	TOTAL SIZE OF THE COPY AREA.
20	(14)	CHARACTER	2	TTCHRSV2	RESERVED.
22	(16)	UNSIGNED	2	TTCHASID	ASID OWNING TTCH.
24	(18)	ADDRESS	4	TTCHTCB	TCB OWNING TTCH OR 0.
28	(1C)	UNSIGNED	2	TTCHNUMP	NUMBER OF PROCESSOR AREAS FOLLOWING WITH TRACE DATA.
30	(1E)	CHARACTER	2	TTCHMBUF_OLD	TTCHMBUF was here prior to R9. Do not use this field so that someone who had code to reference this would get zeroes
32	(20)	CHARACTER	8	TTCHTOD	TIME OF DAY FROM ASCB OF OWNING ASID.
40	(28)	UNSIGNED	8	TTCHMBUFPCP	MAXIMUM NUMBER OF 4K BUFFERS FOR A PROCESSOR.
48	(30)	UNSIGNED	8	TTCHBUFOBJS	NUMBER OF TTCH MEMORY OBJECTS
56	(38)	ADDRESS	8	TTCHFBUFPTTR	POINTER TO FIRST TTCH BUFFER.
64	(40)	ADDRESS	4	TTCHCOPYTRCTCB	TCB of workunit which did Copytrc DualAdd if different from workunit which did SNAPTRC to create the TTCH
68	(44)	UNSIGNED	2	TTCHCOPYTRCASID	Asid of workunit which did Copytrc DualAdd if different from workunit which did SNAPTRC to create the TTCH
70	(46)	CHARACTER	58	TTCHRSV4	RESERVED.
128	(80)	CHARACTER	24	TTCHPH (*)	PROCESSOR HEADER.
128	(80)	BITSTRING	1	TTCHPHFLGS	Processor Header flags
		1...		TTCHCPUOFFLINE	Cpu Offline indicator 1 = CPU is offline 0 = CPU is online
129	(81)	CHARACTER	1	*	Reserved
130	(82)	UNSIGNED	2	TTCHCPID	PROCESSOR ID.

TTCH Constants • TTCH Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
132	(84)	ADDRESS	4	TTCHBSPTR	POINTER TO A PROCESSOR SECTION CONSISTING OF THE GIVEN NUMBER (TTCHNBUFF) OF BUFFER SECTIONS.
136	(88)	ADDRESS	8	TTCHPBFPTR	POINTER TO FIRST BUFFER OF THE GIVEN NUMBER (TTCHNBUFF) OF BUFFERS.
144	(90)	UNSIGNED	8	TTCHNBUFF	NUMBER OF 4K BUFFERS FOR THIS PROCESSOR.
152	(98)	CHARACTER	0	TTCHPEND	END OF PROCESSOR HEADER SECTION OF TTCH.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	TTCHBS (*)	BUFFER SECTION.
0	(0)	CHARACTER	4	TTCHRSV6	TTCHCPTR was here prior to R10. Do not use this field so that someone who had code to reference this would get zeroes.
4	(4)	SIGNED	4	TTCHCLEN	LENGTH OF VALID DATA IN THE COPY OF THE 4K TRACE BUFFER.
8	(8)	CHARACTER	24	TTCHBST	BUFFER STATUS. (COPIED FROM TBVTBST, COPIED TO TFWABST)
8	(8)	CHARACTER	2	TTCHBFGS	STATE FLAGS.
8	(8)	CHARACTER	1	TTCHBFG1	STATE FLAGS.
		1...		TTCHBLST	TRACE BUFFER(S) HAS BEEN LOST. NO TRACE DATA IS AVAILABLE TO BE PROCESSED.
		.1..		TTCHCLST	CONTROL INFORMATION FOR THE TRACE BUFFER HAS BEEN LOST. TRACE DATA MAY EXIST IN THE BUFFER, BUT THE END OF THE TRACE DATA IS NOT KNOWN.
		..1.		TTCHITTE	INVALID TTE FOUND IN TRACE DATA BY ASIDTRC SERVICE.
9	(9)	CHARACTER	1	TTCHBFG2	STATE FLAGS.
10	(A)	UNSIGNED	2	TTCHBSA	SASID AT TIME BUFFER BECAME CURRENT.
12	(C)	UNSIGNED	2	TTCHBHA	HASID AT TIME BUFFER BECAME CURRENT.
14	(E)	UNSIGNED	2	TTCHBPA	PASID AT TIME BUFFER BECAME CURRENT.
16	(10)	ADDRESS	4	TTCHBTB	PSATOLD AT TIME BUFFER BECAME CURRENT.
20	(14)	SIGNED	4	TTCHBCNT	BUFFER USE COUNT.
24	(18)	CHARACTER	8	TTCHBTOD	TIME OF DAY BUFFER BECAME CURRENT.
32	(20)	CHARACTER	8	TTCHBSAT	TIME OF DAY AT BUFFER SATURATION.
40	(28)	ADDRESS	8	TTCHCPTR	POINTER TO COPY OF 4K TRACE BUFFER.
48	(30)	CHARACTER	0	TTCHBEND	END OF BUFFER SECTION OF TTCH.

TTCH Constants

Len	Type	Value	Name	Description
2	DECIMAL	128	STATICTTCHLEN	LENGTH OF THE STATIC PORTION OF THE TTCH
1	DECIMAL	5	TTCHLVLN	TTCH LEVEL NUMBER.

TTCH Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTCH	0		TTCHCLST	8	40
TTCH_MINI_TRACE			TTCHCOPYTRCASID		
	5	40		44	
TTCH_SNAPTRC_CALLER			TTCHCOPYTRCTCB		
	7			40	
TTCHASID	16		TTCHCPID	82	
TTCHATRC	5	80	TTCHCPTR	28	
TTCHBCNT	14		TTCHCPUOFFLINE		
TTCHBEND	30			80	80
TTCHBFGS	8		TTCHFBFPTR	38	
TTCHBFG1	8		TTCHFLGS	5	
TTCHBFG2	9		TTCHFWRD	8	
TTCHBHA	C		TTCHID	0	
TTCHBLST	8	80	TTCHITTE	8	20
TTCHBLVL	4		TTCHMBUF_OLD	1E	
TTCHBPA	E		TTCHMBUF_C	28	
TTCHBS	0		TTCHNBUFF	90	
TTCHBSA	A		TTCHNUMP	1C	
TTCHBSAT	20		TTCHPBFPTR	88	
TTCHBSPTR	84		TTCHPEND	98	
TTCHBST	8		TTCHPH	80	
TTCHBTB	10		TTCHPHFLAGS	80	
TTCHBTOD	18		TTCHRSV1	6	
TTCHBUFOBJS	30		TTCHRSV2	14	
TTCHBWRD	C		TTCHRSV4	46	
TTCHCLEN	4		TTCHRSV6	0	

Name	Hex Offset	Hex Value
TTCHSIZE	10	
TTCHTCB	18	
TTCHTOD	20	

TTE Information

TTE Programming Interface information

Programming Interface information

TTE

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

- TTEEXP
- TTE07FAD
- TTE07FPA
- TTE07FRV
- TTEXP
- TTE07FCI
- TTE07FPI
- TTE07FSA
- TTE07F
- TTE07FHA
- TTE07FRB
- TTE07FTB

End of Programming Interface information

TTE Heading Information • TTE Map

TTE Heading Information

Common Name:	System trace table entry (TTE)
Macro ID:	IHATTE
DSECT Name:	TTE
Owning Component:	System trace (SC142)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: 245 in tracing buffers created by IEAVNIP0. 255 in tracing buffers created by IEAVETEA. Key: 0
Size:	Depends on type of entry.
Created by:	Implicitly by the hardware or explicitly by: system trace table entry creation routines (IEAVETRC), the dispatcher (PTRACE in IEAVEDS0), exit prologue routine (PTRACE in IEAVEEXP), and SVC FLIH (PTRACE in IEAVESVC).
Pointed to by:	Control register 12 TBVTCR12 TBVTENTY Parameter 3 for ITRF0n7F, the USRn formatting routines, where n is 0-9.
Serialization:	Disablement on the processor and zeroed tracing control bits in control register 12.
Function:	Contain the information from each trace entry.

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TTE	TRACE TABLE ENTRY.
0	(0)	CHARACTER	4	(0)	MINIMUM TRACE TABLE ENTRY.
Comment					
GENERAL EXPLICIT TTE					
End of Comment					
0	(0)	CHARACTER	12	TTEXP (0)	EXPLICIT TRACE TABLE ENTRY.
0	(0)	BITSTRING	1	TTETYPE	TRACE TABLE ENTRY TYPE (X'7N').
		.111		TTETEX	"X'70" EXPLICIT TTE TYPE (X'7N').
		1111		TTEMEX	"X'F0" MASK FOR EXPLICIT TTE TYPE.
		.... 1111		TTEREGS	"X'0F" MASK FOR ONE LESS THAN THE NUMBER OF REGISTERS IN THE TTE.
1	(1)	BITSTRING	1	TTEMBZ1	RESERVED. (MUST BE ZERO)
2	(2)	BITSTRING	6	TTETOD	TOD-CLOCK BITS 16-63.
8	(8)	BITSTRING	4	TTETOTE (0)	TRACE OPERAND TABLE ENTRY.
8	(8)	BITSTRING	2		FLAG BYTES.
10	(A)	SIGNED	2	TTEXPTY (0)	EXPLICIT ENTRY TYPE.
10	(A)	BITSTRING	1	TTEXPSID	EXPLICIT ENTRY SUB-ID.
		.... 1111		TTEMSID	"X'0F" MASK FOR EXPLICIT TTE SUB-ID.
11	(B)	BITSTRING	1	TTEXPID	EXPLICIT ENTRY ID.
12	(C)	SIGNED	4	TTEUNQ (0)	UNIQUE ENTRY DESCRIPTIONS.
12	(C)	CHARACTER	64	TTEEXCOM (0)	EXPLICIT ENTRY COMMON FIELD NAMES.
12	(C)	CHARACTER	4	TTEWRD0 (0)	TTE WORD 0.
12	(C)	ADDRESS	4	TTETCB	TCB ADDRESS.
16	(10)	CHARACTER	4	TTEWRD1 (0)	TTE WORD 1.
16	(10)	SIGNED	2	TTEDEP	DEPENDENT ON EACH EXPLICIT TTE ENTRY.
18	(12)	SIGNED	2	TTEASID	ASID.
20	(14)	CHARACTER	4	TTEWRD2	TTE WORD 2.
24	(18)	CHARACTER	4	TTEWRD3	TTE WORD 3.
28	(1C)	CHARACTER	4	TTEWRD4	TTE WORD 4.
32	(20)	CHARACTER	4	TTEWRD5	TTE WORD 5.
36	(24)	CHARACTER	4	TTEWRD6	TTE WORD 6.
40	(28)	CHARACTER	4	TTEWRD7	TTE WORD 7.
44	(2C)	CHARACTER	4	TTEWRD8	TTE WORD 8.
48	(30)	CHARACTER	4	TTEWRD9	TTE WORD 9.
52	(34)	CHARACTER	4	TTEWRDA	TTE WORD 10.
56	(38)	CHARACTER	4	TTEWRDB	TTE WORD 11.
60	(3C)	CHARACTER	4	TTEWRDC	TTE WORD 12.
64	(40)	CHARACTER	4	TTEWRDD	TTE WORD 13.
68	(44)	CHARACTER	4	TTEWRDE	TTE WORD 14.
72	(48)	CHARACTER	4	TTEWRDF	TTE WORD 15.
76	(4C)	SIGNED	4	TTEXPEND (0)	END OF MAXIMUM EXPLICIT TTE.
76	(4C)	X'4C'	0	TTETMAX	"76" MAXIMUM LENGTH OF EXPLICIT ENTRIES.
0	(0)	CHARACTER	16	TTEXP (0)	EXPLICIT TRACE TABLE ENTRY.
0	(0)	BITSTRING	1	TTEETYPE	TRACE TABLE ENTRY TYPE (X'7N').

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.111		TTEETEX	"X'70" EXPLICIT TTE TYPE (X'7N).
		1111		TTEEMEX	"X'F0" MASK FOR EXPLICIT TTE TYPE.
		.... 1111		TTEEREGS	"X'0F" MASK FOR ONE LESS THAN THE NUMBER OF REGISTERS IN THE TTE.
1	(1)	BITSTRING	1	TTEEMBZ1	MUST BE 10000000
2	(2)	BITSTRING	10	TTEETOD	TOD-CLOCK BITS 0-79.
12	(C)	BITSTRING	4	TTEETOTE (0)	TRACE OPERAND TABLE ENTRY.
12	(C)	BITSTRING	2		FLAG BYTES.
14	(E)	SIGNED	2	TTEEXPTP (0)	EXPLICIT ENTRY TYPE.
14	(E)	BITSTRING	1	TTEEXPSD	EXPLICIT ENTRY SUB-ID.
		.... 1111		TTEEMSID	"X'0F" MASK FOR EXPLICIT TTE SUB-ID.
15	(F)	BITSTRING	1	TTEEXPID	EXPLICIT ENTRY ID.
16	(10)	SIGNED	4	TTEEUNQ (0)	UNIQUE ENTRY DESCRIPTIONS.
16	(10)	CHARACTER	128	TTEEECOM (0)	EXPLICIT ENTRY COMMON FIELD NAMES.
16	(10)	CHARACTER	8	TTEEWRD0 (0)	TTE DOUBLE WORD0
16	(10)	BITSTRING	4		RESERVED
20	(14)	ADDRESS	4	TTEETCB	TCB ADDRESS.
24	(18)	CHARACTER	8	TTEEWRD1 (0)	TTE DOUBLE WORD1
24	(18)	BITSTRING	4		RESERVED
28	(1C)	SIGNED	2	TTEEDEP	DEPENDENT ON EACH EXPLICIT TTE ENTRY.
30	(1E)	SIGNED	2	TTEEASID	ASID.
32	(20)	CHARACTER	8	TTEEWRD2	TTE DOUBLE WORD3
40	(28)	CHARACTER	8	TTEEWRD3	TTE DOUBLE WORD4
48	(30)	CHARACTER	8	TTEEWRD4	TTE DOUBLE WORD5
56	(38)	CHARACTER	8	TTEEWRD5	TTE DOUBLE WORD6
64	(40)	CHARACTER	8	TTEEWRD6	TTE DOUBLE WORD7
72	(48)	CHARACTER	8	TTEEWRD7	TTE DOUBLE WORD8
80	(50)	CHARACTER	8	TTEEWRD8	TTE DOUBLE WORD9
88	(58)	CHARACTER	8	TTEEWRD9	TTE DOUBLE WORD10
96	(60)	CHARACTER	8	TTEEWRDA	TTE DOUBLE WORD11
104	(68)	CHARACTER	8	TTEEWRDB	TTE DOUBLE WORD12
112	(70)	CHARACTER	8	TTEEWRDC	TTE DOUBLE WORD13
120	(78)	CHARACTER	8	TTEEWRDD	TTE DOUBLE WORD14
128	(80)	CHARACTER	8	TTEEWRDE	TTE DOUBLE WORD15
136	(88)	CHARACTER	8	TTEEWRDF	TTE DOUBLE WORD16
144	(90)	SIGNED	4	TTEEXEND (0)	END OF MAXIMUM EXPLICIT TTE.
144	(90)	X'90'	0	TTEETMAX	"144" MAXIMUM LENGTH OF EXPLICIT ENTRIES
		.... ...1		TTETMSCH	"X'001" SUBCHANNEL TYPE MAJOR ID.
		.... ...11		TTETEXT	"X'003" EXTERNAL INTERRUPT TYPE MAJOR ID.
		.... .1.1		TTETMSVC	"X'005" SVC TYPE MAJOR ID.
		.... 1111		TTETDSP	"X'00F" DISPATCHER TYPE MAJOR ID.
		.... ...1		TTETSSCH	"X'001" SSCH TYPE ID.
		.... ...11		TTETEXT	"X'003" GENERAL EXT TYPE ID.
		.... .1.1		TTETMSVC	"X'005" GENERAL SVC TYPE ID.
		.... .111		TTETPGM	"X'007" PGM TYPE ID.
		.... 1..1		TTETSPER	"X'009" SLIP/PER TYPE ID.
		.... 1..1.		TTETPDMX	"X'00A" PDMX TYPE ID.
		.... 1111		TTETDSP	"X'00F" DSP TYPE ID.
		.... 1..11		TTETIO	"X'00B" IO TYPE ID.
		...1 ..11		TTETMCH	"X'013" MCH TYPE ID.
		...1 .1.1		TTETRST	"X'015" RST TYPE ID.
		...1 .111		TTETACR	"X'017" ACR TYPE ID.
		...1 1..1		TTETSUSP	"X'019" SUSP TYPE ID.
		...1 1..11		TTETALTR	"X'01B" ALTR TYPE ID.
		...1 11.1		TTETRCVY	"X'01D" RCVY TYPE ID.
		...1 111.		TTETSPIN	"X'01E" SPIN TYPE ID.
		...1 1111		TTETTIME	"X'01F" TIME TYPE ID.
		.111 1111		TTETUSR0	"X'07F" USR0 TYPE ID.
144	(90)	BITSTRING	0	TTETEMS	"X'103" EMS EXT TYPE ID.
144	(90)	BITSTRING	0	TTETMSCH	"X'101" MSCH TYPE ID.
144	(90)	BITSTRING	0	TTETSVCR	"X'105" SVCR TYPE ID.
144	(90)	BITSTRING	0	TTETAINT	"X'10A" AINT TYPE ID.
144	(90)	BITSTRING	0	TTETSRB	"X'10F" SRB TYPE ID.
144	(90)	BITSTRING	0	TTETUSR1	"X'17F" USR1 TYPE ID.
144	(90)	BITSTRING	0	TTETHSCH	"X'201" HSCH TYPE ID.
144	(90)	BITSTRING	0	TTETSS	"X'203" SS EXT TYPE ID.
144	(90)	BITSTRING	0	TTETSSRV	"X'205" SSRV TYPE ID.
144	(90)	BITSTRING	0	TTETPCIL	"X'20A" PCIL TYPE ID.
144	(90)	BITSTRING	0	TTETSSRB	"X'20F" SSRB TYPE ID.
144	(90)	BITSTRING	0	TTETUSR2	"X'27F" USR2 TYPE ID.
144	(90)	BITSTRING	0	TTETCSCH	"X'301" CSCH TYPE ID.
144	(90)	BITSTRING	0	TTETCALL	"X'303" EXTERNAL CALL EXT TYPE ID.
144	(90)	BITSTRING	0	TTETPCIS	"X'30A" PCIS TYPE ID.
144	(90)	BITSTRING	0	TTETUSR3	"X'37F" USR3 TYPE ID.

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
144	(90)	BITSTRING	0	TTETRSC	"X'401" RSCH TYPE ID.
144	(90)	BITSTRING	0	TTETCLKC	"X'403" CLOCK COMPARATOR EXT TYPE ID.
144	(90)	BITSTRING	0	TTETUSR4	"X'47F" USR4 TYPE ID.
144	(90)	BITSTRING	0	TTETSIGA	"X'501" SIGA TYPE ID.
144	(90)	BITSTRING	0	TTETUSR5	"X'57F" USR5 TYPE ID.
144	(90)	BITSTRING	0	TTETXSCH	"X'601" XSCH TYPE ID.
144	(90)	BITSTRING	0	TTETUSR6	"X'67F" USR6 TYPE ID.
144	(90)	BITSTRING	0	TTETUSR7	"X'77F" USR7 TYPE ID.
144	(90)	BITSTRING	0	TTETUSR8	"X'87F" USR8 TYPE ID.
144	(90)	BITSTRING	0	TTETUSR9	"X'97F" USR9 TYPE ID.
144	(90)	BITSTRING	0	TTETUSRA	"X'A7F" USRA TYPE ID.
144	(90)	BITSTRING	0	TTETUSRB	"X'B7F" USRB TYPE ID.
144	(90)	BITSTRING	0	TTETUSRC	"X'C7F" USRC TYPE ID.
144	(90)	BITSTRING	0	TTETUSRD	"X'D7F" USRD TYPE ID.
144	(90)	BITSTRING	0	TTETUSRE	"X'E7F" USRE TYPE ID.
144	(90)	BITSTRING	0	TTETSVC	"X'F05" SVC ERROR TYPE ID.
144	(90)	BITSTRING	0	TTETWAIT	"X'F0F" WAIT TYPE ID.
144	(90)	BITSTRING	0	TTETUSRF	"X'F7F" USRF TYPE ID.

Comment

ACR - ALTERNATE CPU RECOVERY TTE

					End of Comment
12	(C)	SIGNED	4	TTE017 (0)	ACR (ACR).
12	(C)	ADDRESS	4	TTE017TB	PSATOLD FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSATOLD.
16	(10)	SIGNED	2	TTE017LP	PSACPUPA. LOGICAL PROCESSOR ADDRESS. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSACPUPA.
18	(12)	SIGNED	2	TTE017HA	HOME ADDRESS SPACE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSAAOLD-> * ASCBASID.
20	(14)	ADDRESS	4	TTE017AD	PSAEEPSW FROM THE ACR PROCESSOR. FAILING PROCESSOR ADDRESS. * PSAEEPSW.
24	(18)	BITSTRING	1	TTE017FG	LCCACREX. ACR FLAG BYTE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSALCCAV-> * LCCACREX.
25	(19)	BITSTRING	3	TTE017R1	RESERVED.
28	(1C)	ADDRESS	4	TTE017FR	PSACSTK. CURRENT FRR STACK ADDRESS FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSACSTK.
32	(20)	SIGNED	4	TTE017PS	PSASUPER FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSASUPER.
36	(24)	SIGNED	4	TTE017MW	PSAMODEW FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSAMODEW.
40	(28)	SIGNED	4	TTE017LH	PSACLHS FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSACLHS.
44	(2C)	ADDRESS	4	TTE017PL	PSALOCAL FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSALOCAL.
48	(30)	SIGNED	4	TTE017LE	PSACLHSE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PASPAD)-> * PCCAPSAV->PSACLHSE.
52	(34)	SIGNED	4	TTE017ED (0)	END OF ACR TTE.

Comment

ALTR - TRACE OPTIONS ALTERATION TTE

					End of Comment
12	(C)	SIGNED	4	TTE01B (0)	TRACE OPTIONS ALTERATION (ALTR).
12	(C)	ADDRESS	4	TTE01BTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01BR1	RESERVED.
18	(12)	SIGNED	2	TTE01BHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE01BPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE01BSA	SASID. * CONTROL REGISTER 3.
24	(18)	SIGNED	4	TTE01BFC	REGISTER 0 TRACE FUNCTION CODE. ALTRTRC INPUT. * INPUT REGISTER 0.
28	(1C)	SIGNED	4	TTE01BAC	REGISTER 1 TRACE ACTION CODE. ALTRTRC INPUT. * INPUT REGISTER 1.
32	(20)	SIGNED	8	TTE01BPT (0)	TOBTROPT - CONTROL REGISTER 12 MODEL FORMAT. * PSATRV->TRVTTOB->TOBTROPT.
32	(20)	SIGNED	4	TTE01BPTW1	FIRST WORD
36	(24)	SIGNED	4	TTE01BPTW2	SECOND WORD

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
40	(28)	SIGNED	8	TTE01BBF (0)	TOBTRBUF - NUMBER OF TRACE BUFFERS PER PROCESSOR. * PSATRV->TRVTTOB->TOBTRBUF.
40	(28)	SIGNED	4	TTE01BBFW1	FIRST WORD
44	(2C)	SIGNED	4	TTE01BBFW2	SECOND WORD
48	(30)	SIGNED	2	TTE01BCT	TOBTRPOL - NUMBER OF PROCESSORS WITH TRACE CURRENTLY ACTIVE AND/OR SUSPENDED. * PSATRV->TRVTTOB->TOBTRPOL.
50	(32)	SIGNED	2	TTE01BR2	RESERVED.
52	(34)	SIGNED	4	TTE01BED (0)	END OF ALTR TTE.

Comment

CALL - EXTERNAL CALL EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE303 (0)	EXTERNAL CALL EXTERNAL INTERRUPT (CALL).
12	(C)	ADDRESS	4	TTE303TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE303R1	RESERVED.
18	(12)	SIGNED	2	TTE303HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE303PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE303SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE303PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE303P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE303P2	PSW 4-7
32	(20)	CHARACTER	4	TTE303P3	PSW 8-B
36	(24)	CHARACTER	4	TTE303P4	PSW C-F
40	(28)	ADDRESS	4	TTE303CD	ISSUING PROCESSOR ADDRESS AND EXTERNAL INTERRUPT CODE. * PSAAEPSW.
44	(2C)	SIGNED	4	TTE303PB	PCCARPB. * PSAPCCAV->PCCARPB.
48	(30)	SIGNED	4	TTE303LH	PSACLHS.
52	(34)	ADDRESS	4	TTE303PL	PSALOCAL.
56	(38)	SIGNED	4	TTE303LE	PSACLHSE.
60	(3C)	SIGNED	4	TTE303ED (0)	END OF CALL TTE.

Comment

CLKC - CLOCK COMPARATOR EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE403 (0)	CLOCK COMPARATOR EXTERNAL INTERRUPT (CLKC).
12	(C)	ADDRESS	4	TTE403TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE403R1	RESERVED.
18	(12)	SIGNED	2	TTE403HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE403PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE403SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE403PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE403P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE403P2	PSW 4-7
32	(20)	CHARACTER	4	TTE403P3	PSW 8-B
36	(24)	CHARACTER	4	TTE403P4	PSW C-F
40	(28)	SIGNED	4	TTE403CD	EXTERNAL INTERRUPT CODE. * PSAAEPSW.
44	(2C)	ADDRESS	4	TTE403TT	TQE TCB * PSAPCCAV->PCCATQEP->TQETCB. or TQE, or zero
48	(30)	SIGNED	2	TTE403R2	RESERVED.
50	(32)	SIGNED	2	TTE403TA	TQE ASID OR 0. * PSAPCCAV->PCCATQEP->TQEASID.
52	(34)	SIGNED	4	TTE403LH	PSACLHS.
56	(38)	ADDRESS	4	TTE403PL	PSALOCAL.
60	(3C)	SIGNED	4	TTE403LE	PSACLHSE.
64	(40)	SIGNED	4	TTE403ED (0)	END OF CLKC TTE.

Comment

CSCH - CLEAR SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE301 (0)	CLEAR SUBCHANNEL (CSCH).
12	(C)	ADDRESS	4	TTE301TB	TCB ADDRESS FROM SRB. * IOBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE301AD	ASID FROM IOSB. * IOBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE301HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE301CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE301DI	DRIVER ID. * IOBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE301DN	DEVICE NUMBER. * IOBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE301UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	ADDRESS	4	TTE301IQ	IOQ ADDRESS. * ORBPTR(R3)->WORD 2.

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	ADDRESS	4	TTE301AI	ADDRESS OF IOSB FOR ASSOCIATED SSCH REQUEST (0 IF NO ASSOCIATED REQUEST). * ORBPTR(R3)->WORD 3.
36	(24)	ADDRESS	4	TTE301IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE301TK (0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE301T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE301T2	RESERVED.
42	(2A)	SIGNED	2	TTE301T3	BASE DEVICE NUMBER.
44	(2C)	BITSTRING	1	TTE301SSIDA	SUBCHANNEL SET ID
45	(2D)	BITSTRING	3		RESERVED
48	(30)	SIGNED	4	TTE301ED (0)	END OF CSCH TTE.

Comment

DSP - TASK DISPATCH TTE

End of Comment

12	(C)	SIGNED	4	TTE00F (0)	TASK DISPATCH (DSP).
12	(C)	ADDRESS	4	TTE00FTB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTE00FR1	RESERVED.
18	(12)	SIGNED	2	TTE00FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE00FPA	PASID. * INPUT REGISTER 13.
22	(16)	SIGNED	2	TTE00FSA	SASID. * INPUT REGISTER 13.
24	(18)	CHARACTER	16	TTE00FPW (0)	PSW TO BE DISPATCHED. * PSAPSWSV16.
24	(18)	CHARACTER	4	TTE00FP1	PSW 0-3
28	(1C)	CHARACTER	4	TTE00FP2	PSW 4-7
32	(20)	CHARACTER	4	TTE00FP3	PSW 8-B
36	(24)	CHARACTER	4	TTE00FP4	PSW C-F
40	(28)	SIGNED	4	TTE00FG0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
44	(2C)	SIGNED	4	TTE00FG1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
48	(30)	SIGNED	4	TTE00FMW	PSAMODEW.
52	(34)	SIGNED	4	TTE00FLH	PSACLHS.
56	(38)	ADDRESS	4	TTE00FPL	PSALOCAL.
60	(3C)	SIGNED	4	TTE00FED (0)	END OF DSP TTE.

Comment

EMS - EMERGENCY SIGNAL EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE103 (0)	EMS EXTERNAL INTERRUPT (EMS).
12	(C)	ADDRESS	4	TTE103TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE103R1	RESERVED.
18	(12)	SIGNED	2	TTE103HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE103PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE103SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE103PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE103P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE103P2	PSW 4-7
32	(20)	CHARACTER	4	TTE103P3	PSW 8-B
36	(24)	CHARACTER	4	TTE103P4	PSW C-F
40	(28)	ADDRESS	4	TTE103CD	ISSUING PROCESSOR ADDRESS AND EXTERNAL INTERRUPT CODE. * PSAAEPPSW.
44	(2C)	SIGNED	4	TTE103SI	PCCAEMSI. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSI.
48	(30)	ADDRESS	4	TTE103SP	PCCAEMSP. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSP.
52	(34)	ADDRESS	4	TTE103SE	PCCAEMSE. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSE.
56	(38)	SIGNED	4	TTE103LH	PSACLHS.
60	(3C)	ADDRESS	4	TTE103PL	PSALOCAL.
64	(40)	SIGNED	4	TTE103LE	PSACLHSE.
68	(44)	SIGNED	4	TTE103ED (0)	END OF EMS TTE.

Comment

EXT - GENERAL EXTERNAL INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE003 (0)	EXTERNAL INTERRUPT (EXT).
12	(C)	ADDRESS	4	TTE003TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE003R1	RESERVED.
18	(12)	SIGNED	2	TTE003HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE003PA	PASID. * INPUT REGISTER 4.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
22	(16)	SIGNED	2	TTE003SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE003PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE003P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE003P2	PSW 4-7
32	(20)	CHARACTER	4	TTE003P3	PSW 8-B
36	(24)	CHARACTER	4	TTE003P4	PSW C-F
40	(28)	SIGNED	4	TTE003CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
44	(2C)	SIGNED	4	TTE003LH	PSACLHS.
48	(30)	ADDRESS	4	TTE003PL	PSALOCAL.
52	(34)	SIGNED	4	TTE003LE	PSACLHSE.
56	(38)	SIGNED	4	TTE003ED (0)	END OF EXT TTE.

Comment

HSCH - HALT SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE201 (0)	HALT SUBCHANNEL (HSCH).
12	(C)	ADDRESS	4	TTE201TB	TCB ADDRESS FROM SRB. * IOBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE201AD	ASID FROM IOSB. * IOBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE201HA	HOME ADDRESS SPACE. * PSAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE201CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE201DI	DRIVER ID. * IOBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE201DN	DEVICE NUMBER. * IOBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE201UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	ADDRESS	4	TTE201IQ	IOQ ADDRESS. * ORBPTR(R3)->WORD 2.
32	(20)	ADDRESS	4	TTE201AI	ADDRESS OF IOSB FOR ASSOCIATED SSCH REQUEST (0 IF NO ASSOCIATED REQUEST). * ORBPTR(R3)->WORD 3.
36	(24)	ADDRESS	4	TTE201IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE201TK (0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE201T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE201T2	RESERVED.
42	(2A)	SIGNED	2	TTE201T3	BASE DEVICE NUMBER.
44	(2C)	BITSTRING	1	TTE201SSIDA	SUBCHANNEL SET ID
45	(2D)	BITSTRING	3		RESERVED
48	(30)	SIGNED	4	TTE201ED (0)	END OF HSCH TTE.

Comment

IO - I/O INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE00B (0)	I/O INTERRUPT (IO).
12	(C)	ADDRESS	4	TTE00BTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE00BDN	DEVICE NUMBER. * UCBPTR(R7)->UCBCHAN.
18	(12)	SIGNED	2	TTE00BHA	HOME ADDRESS SPACE. * PSAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE00BPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE00BSA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE00BPW (0)	I/O OLD PSW. * FLCIOPSW.
24	(18)	CHARACTER	4	TTE00BP1	PSW 0-3
28	(1C)	CHARACTER	4	TTE00BP2	PSW 4-7
32	(20)	CHARACTER	4	TTE00BP3	PSW 8-B
36	(24)	CHARACTER	4	TTE00BP4	PSW C-F
40	(28)	SIGNED	2	TTE00BFG	IRBFLAGS. * IRBPTR(R3)->WORD 1.
42	(2A)	SIGNED	2	TTE00BSC	SUBCHANNEL CONTROL. * IRBPTR(R3)->WORD 1.
44	(2C)	ADDRESS	4	TTE00BCA	CCW ADDRESS. * IRBPTR(R3)->WORD 2.
48	(30)	BITSTRING	1	TTE00BDS	DEVICE STATUS. * IRBPTR(R3)->WORD 3.
49	(31)	BITSTRING	1	TTE00BSS	SUBCHANNEL STATUS. * IRBPTR(R3)->WORD 3.
50	(32)	SIGNED	2	TTE00BCT	RESIDUAL COUNT. * IRBPTR(R3)->WORD 3.
52	(34)	SIGNED	4	TTE00BEW	EXTENDED STATUS WORD. * IRBPTR(R3)->WORD 4.
56	(38)	ADDRESS	4	TTE00BUB	UCB ADDRESS. * INPUT REGISTER 7.
60	(3C)	SIGNED	4	TTE00BLH	PSACLHS.
64	(40)	ADDRESS	4	TTE00BPL	PSALOCAL.
68	(44)	SIGNED	4	TTE00BLE	PSACLHSE.
72	(48)	SIGNED	4	TTE00BTK (0)	TOKEN. * INPUT REGISTER 1.
72	(48)	BITSTRING	1	TTE00BT1	KEY. NOT FORMATTED.
73	(49)	BITSTRING	1	TTE00BSSIDA	SUBCHANNEL SET ID
74	(4A)	SIGNED	2	TTE00BT3	BASE DEVICE NUMBER.
76	(4C)	SIGNED	4	TTE00BED (0)	END OF IO TTE.

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
MCH - MACHINE CHECK INTERRUPT TTE					
					End of Comment
12	(C)	SIGNED	4	TTE013 (0)	MACHINE CHECK INTERRUPT (MCH).
12	(C)	ADDRESS	4	TTE013TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE013R1	RESERVED.
18	(12)	SIGNED	2	TTE013HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE013PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE013SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE013PW (0)	MACHINE CHECK OLD PSW. * FLCMOPSW.
24	(18)	CHARACTER	4	TTE013P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE013P2	PSW 4-7
32	(20)	CHARACTER	4	TTE013P3	PSW 8-B
36	(24)	CHARACTER	4	TTE013P4	PSW C-F
40	(28)	CHARACTER	8	TTE013MC (0)	MACHINE CHECK INTERRUPT CODE. * FLCMCIC.
40	(28)	CHARACTER	4	TTE013M1	PART 1 OF FLCMCIC.
44	(2C)	CHARACTER	4	TTE013M2	PART 2 OF FLCMCIC.
48	(30)	SIGNED	4	TTE013PS	PSASUPER.
52	(34)	SIGNED	4	TTE013LH	PSACLHS.
56	(38)	ADDRESS	4	TTE013PL	PSALOCAL.
60	(3C)	SIGNED	4	TTE013LE	PSACLHSE.
64	(40)	SIGNED	4	TTE013ED (0)	END OF MCH TTE.
					Comment
MSCH - MODIFY SUBCHANNEL TTE					
					End of Comment
12	(C)	SIGNED	4	TTE101 (0)	MODIFY SUBCHANNEL (MSCH).
12	(C)	ADDRESS	4	TTE101TB	TCB ADDRESS FROM SRB. * IOBPTR(R2)->IOSSRB->SRBPCTCB.
16	(10)	SIGNED	2	TTE101AD	ASID FROM IO SB. * IOBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE101HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE101CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE101R1	RESERVED.
22	(16)	SIGNED	2	TTE101DN	DEVICE NUMBER. * IOBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE101UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	SIGNED	4	TTE101O2 (0)	ORB WORD 2. * ORBPTR(R3)->WORD 2.
28	(1C)	BITSTRING	1	TTE101F1	SCHFLG1 FROM SCHIB USED FOR MSCH INSTRUCTION.
29	(1D)	BITSTRING	1	TTE101F2	SCHFLG2 FROM SCHIB USED FOR MSCH INSTRUCTION.
30	(1E)	BITSTRING	1	TTE101LM	SCHLPM FROM SCHIB USED FOR MSCH INSTRUCTION.
31	(1F)	BITSTRING	1	TTE101PM	SCHPOM FROM SCHIB USED FOR MSCH INSTRUCTION.
32	(20)	SIGNED	4	TTE101O3 (0)	ORB WORD 3. * ORBPTR(R3)->WORD 3.
32	(20)	SIGNED	2	TTE101MI	SCHMBI FROM SCHIB USED FOR MSCH INSTRUCTION.
34	(22)	BITSTRING	1	TTE101P2	IOSOPT2 FROM MSCH IO SB.
35	(23)	BITSTRING	1	TTE101FB	IOSFLB FROM MSCH IO SB.
36	(24)	ADDRESS	4	TTE101IO	IO SB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE101TK (0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE101T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE101T2	RESERVED.
42	(2A)	SIGNED	2	TTE101T3	BASE DEVICE NUMBER.
44	(2C)	BITSTRING	1	TTE101SSIDA	SUBCHANNEL SET ID
45	(2D)	BITSTRING	3		RESERVED
48	(30)	SIGNED	4	TTE101ED (0)	END OF MSCH TTE.
					Comment
PGM - PROGRAM INTERRUPT TTE					
					End of Comment
12	(C)	SIGNED	4	TTE007 (0)	PROGRAM INTERRUPT (PGM).
12	(C)	ADDRESS	4	TTE007TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE007R1	RESERVED.
18	(12)	SIGNED	2	TTE007HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE007PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE007SA	SASID. * CONTROL REGISTER 3.
24	(18)	SIGNED	4	TTE007LH	PSACLHS.
28	(1C)	ADDRESS	4	TTE007PL	PSALOCAL.
32	(20)	SIGNED	4	TTE007LE	PSACLHSE.
36	(24)	CHARACTER	16	TTE007PW (0)	PROGRAM INTERRUPT PSW. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORDS 1 * AND 2.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	CHARACTER	4	TTE007P1	PSW 0-3
40	(28)	CHARACTER	4	TTE007P2	PSW 4-7
44	(2C)	CHARACTER	4	TTE007P3	PSW 8-B
48	(30)	CHARACTER	4	TTE007P4	PSW C-F
52	(34)	SIGNED	2	TTE007IL	PROGRAM INSTRUCTION LENGTH. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
54	(36)	SIGNED	2	TTE007CD	PROGRAM INTERRUPT CODE. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
56	(38)	ADDRESS	8	TTE007ZT (0)	TEA - Z/Architecture
56	(38)	ADDRESS	4	TTE007TA	TEA CONTENTS. HIGH ORDER BIT INDICATES PRIMARY (0) OR SECONDARY (1). * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 4.
60	(3C)	SIGNED	4	TTE007ED (0)	END OF PGM TTE - ESA
60	(3C)	ADDRESS	4	TTE007ZL	TEA bits 32-63 - z/Arch
64	(40)	SIGNED	4	TTE007ZD (0)	END OF PGM TTE - z/Arch

Comment

RSCH - RESUME SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE401 (0)	RESUME SUBCHANNEL (RSCH).
12	(C)	ADDRESS	4	TTE401TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE401AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE401HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE401CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE401DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE401DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE401UB	UCB ADDRESS FROM IOSB. * IOSBPTR(R2)->IOSUCB.
28	(1C)	ADDRESS	4	TTE401IO	IOSB ADDRESS. * INPUT REGISTER 2.
32	(20)	SIGNED	4	TTE401TK (0)	TOKEN. * INPUT REGISTER 1.
32	(20)	BITSTRING	1	TTE401T1	KEY. NOT FORMATTED.
33	(21)	BITSTRING	1	TTE401T2	RESERVED.
34	(22)	SIGNED	2	TTE401T3	BASE DEVICE NUMBER.
36	(24)	BITSTRING	1	TTE401SSIDA	SUBCHANNEL SET ID
37	(25)	BITSTRING	3		RESERVED
40	(28)	SIGNED	4	TTE401ED (0)	END OF RSCH TTE.

Comment

RST - RESTART INTERRUPT TTE

End of Comment

12	(C)	SIGNED	4	TTE015 (0)	RESTART INTERRUPT (RST).
12	(C)	ADDRESS	4	TTE015TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE015R1	RESERVED.
18	(12)	SIGNED	2	TTE015HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE015PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE015SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE015PW (0)	RESTART OLD PSW. * FLCROPSW.
24	(18)	CHARACTER	4	TTE015P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE015P2	PSW 4-7
32	(20)	CHARACTER	4	TTE015P3	PSW 8-B
36	(24)	CHARACTER	4	TTE015P4	PSW C-F
40	(28)	SIGNED	4	TTE015GF	REGISTER 15 CONTENT. * INPUT REGISTER 15.
44	(2C)	SIGNED	4	TTE015G0	REGISTER 0 CONTENT. * INPUT REGISTER 0.
48	(30)	SIGNED	4	TTE015G1	REGISTER 1 CONTENT. * INPUT REGISTER 1.
52	(34)	SIGNED	4	TTE015PS	PSASUPER.
56	(38)	SIGNED	4	TTE015MW	PSAMODEW.
60	(3C)	SIGNED	4	TTE015LH	PSACLHS.
64	(40)	ADDRESS	4	TTE015PL	PSALOCAL.
68	(44)	SIGNED	4	TTE015LE	PSACLHSE.
72	(48)	SIGNED	4	TTE015ED (0)	END OF RST TTE.

Comment

SPER - SLIP/PER EVENT TTE

End of Comment

12	(C)	SIGNED	4	TTE009 (0)	SLIP/PER (SPER).
12	(C)	ADDRESS	4	TTE009TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	BITSTRING	2	TTE009PC	PER CODE. * SLIP/PER STATUS ADDRESS * (R3)-> BYTE 1.
18	(12)	SIGNED	2	TTE009HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	SIGNED	2	TTE009PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE009SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE009PW (0)	16-Byte Program Interrupt PSW
24	(18)	CHARACTER	4	TTE009P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE009P2	PSW 4-7
32	(20)	CHARACTER	4	TTE009P3	PSW 8-B
36	(24)	CHARACTER	4	TTE009P4	PSW C-F
40	(28)	SIGNED	4	TTE009V1 (0)	Stddata Variable Word 1
40	(28)	SIGNED	2	TTE009IL	PROGRAM INSTRUCTION LENGTH. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
42	(2A)	SIGNED	2	TTE009CD	PROGRAM INTERRUPT CODE. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
44	(2C)	SIGNED	4	TTE009V2 (0)	Stddata Variable Word 2
44	(2C)	CHARACTER	4	TTE009ID	SLIP/PER TRAP ID. * SLIP/PER TRAP ID ADDRESS * (R1)->WORD 1.
48	(30)	SIGNED	4	TTE009V3 (0)	Stddata Variable Word 3
48	(30)	ADDRESS	4	TTE009IA	PER ADDRESS. * SLIP/PER STATUS ADDRESS * (R3)-> BYTES 3 THROUGH 6.
52	(34)	SIGNED	4	TTE009V4 (0)	Stddata Variable Word 4
52	(34)	ADDRESS	4	TTE009IB	PER ADDRESS. * SLIP/PER STATUS ADDRESS * (R3)-> BYTES 7 THROUGH 10.
56	(38)	SIGNED	4	TTE009LH	PSACLHS.
60	(3C)	SIGNED	4	TTE009LE	PSACLHSE.
64	(40)	ADDRESS	4	TTE009PL	PSALOCAL.
68	(44)	SIGNED	4	TTE009V5	Stddata Variable Word 5
72	(48)	SIGNED	4	TTE009ED (0)	END OF SLIP/PER TTE.

Comment

SRB - SRB DISPATCH TTE

End of Comment					
12	(C)	SIGNED	4	TTE10F (0)	SRB DISPATCH (SRB).
12	(C)	ADDRESS	4	TTE10FTB	WORK UNIT ADDRESS. * SRBPTR(R0)->SRBWEB.
16	(10)	BITSTRING	1	TTE10FSF	SRB FLAG BYTE. * SRBPTR(R0)->SRBFLGS.
17	(11)	BITSTRING	1	TTE10FLH	SRBHLHI. * SRBPTR(R0)->SRBHLHI.
18	(12)	SIGNED	2	TTE10FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	8	TTE10FPW (0)	PSW TO RECEIVE CONTROL ON SRB DISPATCH. * PSASMPSW
20	(14)	CHARACTER	4	TTE10FP1	1ST HALF OF PSW
24	(18)	CHARACTER	4	TTE10FP2	2ND HALF OF PSW
28	(1C)	SIGNED	2	TTE10FFN	CPU AFFINITY. * SRBPTR(R0)->SRBCPAFF.
30	(1E)	SIGNED	2	TTE10FAP	RELATED ASID. * SRBPTR(R0)->SRBPASID.
32	(20)	SIGNED	4	TTE10FG0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
36	(24)	SIGNED	4	TTE10FG1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
40	(28)	ADDRESS	4	TTE10FPT	PURGE TCB ADDRESS. * SRBPTR(R0)->SRBPCTCB.
44	(2C)	SIGNED	4	TTE10FED (0)	END OF SRB TTE.

Comment

SS - SERVICE SIGNAL EXTERNAL INTERRUPT TTE

End of Comment					
12	(C)	SIGNED	4	TTE203 (0)	SS EXTERNAL INTERRUPT (SS).
12	(C)	ADDRESS	4	TTE203TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE203R1	RESERVED.
18	(12)	SIGNED	2	TTE203HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE203PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE203SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE203PW (0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE203P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE203P2	PSW 4-7
32	(20)	CHARACTER	4	TTE203P3	PSW 8-B
36	(24)	CHARACTER	4	TTE203P4	PSW C-F
40	(28)	SIGNED	4	TTE203CD	EXTERNAL INTERRUPT CODE. * PSAEOPSW.
44	(2C)	ADDRESS	4	TTE203BA	SCCB ADDRESS ASSOCIATED WITH THE SERVICE SIGNAL.
48	(30)	SIGNED	4	TTE203CM	SCLP COMMAND WORD ASSOCIATED WITH THE SERVICE SIGNAL INTERRUPT.
52	(34)	SIGNED	2	TTE203R3	RESERVED. HARDWARE FLAGS NO LONGER PART OF THE SS TRACE ENTRY
54	(36)	SIGNED	2	TTE203RC	SERVICE PROCESSOR RESPONSE AND REASON CODE.
56	(38)	SIGNED	2	TTE203R2	RESERVED.
58	(3A)	SIGNED	2	TTE203AD	SS ASID.
60	(3C)	ADDRESS	4	TTE203AT	SS TCB ADDRESS.
64	(40)	SIGNED	4	TTE203LH	PSACLHS.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
68	(44)	ADDRESS	4	TTE203PL	PSALOCAL.
72	(48)	SIGNED	4	TTE203LE	PSACLHSE.
76	(4C)	SIGNED	4	TTE203ED (0)	END OF SS TTE.

Comment

SIGA - Signal adapter TTE

End of Comment

12	(C)	SIGNED	4	TTE501 (0)	Signal adapter (SIGA).
12	(C)	ADDRESS	4	TTE501TB	TCB address.
16	(10)	SIGNED	2		Reserved
18	(12)	SIGNED	2	TTE501HA	Home ASID.
20	(14)	BITSTRING	1	TTE501CC	Condition code
21	(15)	BITSTRING	1	TTE501FC	SIGA function code
22	(16)	SIGNED	2	TTE501DN	Device number.
24	(18)	SIGNED	4	TTE501SI	SID.
28	(1C)	ADDRESS	4	TTE501M1	Bit mask (SYNCH).
32	(20)	ADDRESS	4	TTE501M2	Bit mask (SYNCH).
36	(24)	SIGNED	4	TTE501QI	QIB pointer.
40	(28)	ADDRESS	4	TTE501UB	UCB address.
44	(2C)	SIGNED	4	TTE501ED (0)	End of SIGA TTE.

Comment

SSCH - START SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE001 (0)	START SUBCHANNEL (SSCH).
12	(C)	ADDRESS	4	TTE001TB	TCB ADDRESS FROM SRB. * IOBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE001AD	ASID FROM IOSB. * IOBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE001HA	HOME ADDRESS SPACE. * PSAALD->ASCBASID.
20	(14)	BITSTRING	1	TTE001CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE001DI	DRIVER ID. * IOBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE001DN	DEVICE NUMBER. * TTE001UB->UCBCHAN.
24	(18)	ADDRESS	4	TTE001UB	ORB WORD 1 - UCB ADDRESS. * ORBPTR(R3)->WORD 1.
28	(1C)	SIGNED	4	TTE001O2	ORB WORD 2. * ORBPTR(R3)->WORD 2.
32	(20)	SIGNED	4	TTE001O3	ORB WORD 3. * ORBPTR(R3)->WORD 3.
36	(24)	SIGNED	4	TTE001O4	ORB WORD 4. * ORBPTR(R3)->WORD 4
40	(28)	ADDRESS	4	TTE001IO	IOSB ADDRESS. * INPUT REGISTER 2.
44	(2C)	SIGNED	4	TTE001TK (0)	TOKEN. * INPUT REGISTER 1.
44	(2C)	BITSTRING	1	TTE001T1	KEY. NOT FORMATTED.
45	(2D)	BITSTRING	1	TTE001T2	RESERVED.
46	(2E)	SIGNED	2	TTE001T3	BASE DEVICE NUMBER.
48	(30)	SIGNED	4	TTE001CU	CAPTURE UCB ADDRESS. * IOBPTR(R2)->IOSUCB.
52	(34)	BITSTRING	1	TTE001SSIDA	SUBCHANNEL SET ID
53	(35)	BITSTRING	3		RESERVED
56	(38)	SIGNED	4	TTE001ED (0)	END OF SSCH TTE.

Comment

SSRB - SUSPENDED SRB DISPATCH TTE

End of Comment

12	(C)	SIGNED	4	TTE20F (0)	SUSPENDED SRB DISPATCH (SSRB).
12	(C)	ADDRESS	4	TTE20FTB	WORK UNIT ADDRESS. * PSALCCAV->LCCACWEB.
16	(10)	BITSTRING	1	TTE20FR1	RESERVED.
17	(11)	BITSTRING	1	TTE20FLH	PSACLHS BYTE 4. * PSACLHS4.
18	(12)	SIGNED	2	TTE20FHA	HOME ADDRESS SPACE. * PSAALD->ASCBASID.
20	(14)	SIGNED	2	TTE20FPA	PASID. * INPUT REGISTER 13.
22	(16)	SIGNED	2	TTE20FSA	SASID. * INPUT REGISTER 13.
24	(18)	CHARACTER	16	TTE20FPW (0)	PSW TO BE REDISPATCHED. * PSAPSWSV16.
24	(18)	CHARACTER	4	TTE20FP1	PSW 0-3
28	(1C)	CHARACTER	4	TTE20FP2	PSW 4-7
32	(20)	CHARACTER	4	TTE20FP3	PSW 8-B
36	(24)	CHARACTER	4	TTE20FP4	PSW C-F
40	(28)	ADDRESS	4	TTE20FPT	RELATED TCB. * PSALCCAV->LCCAPGTA+2.
44	(2C)	SIGNED	4	TTE20FSP	SSRB ADDRESS * INPUT REGISTER 1
48	(30)	SIGNED	2	TTE20FFN	CPU AFFINITY. * PSALCCAV->LCCASAFN.
50	(32)	SIGNED	2	TTE20FAP	RELATED ASID. * PSALCCAV->LCCAPGTA.
52	(34)	ADDRESS	4	TTE20FPL	PSALOCAL.
56	(38)	SIGNED	4	TTE20FED (0)	END OF SSRB TTE.

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
PDMX event TTE					
					End of Comment
12	(C)	SIGNED	4	TTE00A (0)	PDMX event
12	(C)	SIGNED	4	TTE00AW0 (0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE00ATB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	4	TTE00AW1 (0)	Word 1 (Same as common)
16	(10)	SIGNED	2		
18	(12)	SIGNED	2	TTE00AHA	<ASID>. HOME ADDRESS SPACE. PSAAOLD-> ASCBASID.
20	(14)	SIGNED	4	TTE00AW2 (0)	Word 2
20	(14)	SIGNED	4	TTE00ARA	RETURN ADDRESS
24	(18)	SIGNED	4	TTE00AW3 (0)	Word 3
24	(18)	SIGNED	4	TTE00APFID (0)	PFID
24	(18)	SIGNED	2		
26	(1A)	SIGNED	2	TTE00APFIDLOW	Low half of PFID
28	(1C)	SIGNED	4	TTE00W4 (0)	Word 4
28	(1C)	SIGNED	4	TTE00AU1 (0)	Unique 1
28	(1C)	SIGNED	4	TTE00ADT	Device type
32	(20)	SIGNED	4	TTE00AW5 (0)	Word 5
32	(20)	SIGNED	4	TTE00AU2 (0)	Unique 2
32	(20)	SIGNED	4	TTE00ACB	Low half of callback@
36	(24)	SIGNED	4	TTE00W6 (0)	Word 6
36	(24)	SIGNED	4	TTE00AU3 (0)	Unique 3
36	(24)	SIGNED	4	TTE00ACBP1	Callback parms 0-3
40	(28)	SIGNED	4	TTE00W7 (0)	Word 7
40	(28)	SIGNED	4	TTE00AU4 (0)	Unique 4
40	(28)	SIGNED	4	TTE00ACBP2	Callback parms 4-7
44	(2C)	SIGNED	4	TTE00AED (0)	END OF PDMX TTE.
					Comment
AINT event TTE					
					End of Comment
12	(C)	SIGNED	4	TTE10A (0)	AINT event
12	(C)	SIGNED	4	TTE10AW0 (0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE10ATB	<TCB> Current TCB Address PSATOLD.
16	(10)	SIGNED	4	TTE10AW1 (0)	Word 1
16	(10)	BITSTRING	1		
17	(11)	BITSTRING	1	TTE10AISM	Adapter interrupt subclass mask
18	(12)	SIGNED	2	TTE10AHA	<ASID>. Home Address space.
20	(14)	SIGNED	4	TTE10AW2 (0)	Word 2
20	(14)	SIGNED	2	TTE10APA	<PASD>. PASID. Control register 4.
22	(16)	SIGNED	2	TTE10ASA	<SASD>. PASID. Control register 3.
24	(18)	SIGNED	4	TTE10AW3 (0)	Word 3
24	(18)	SIGNED	4	TTE10AU1 (0)	Unique 1
24	(18)	CHARACTER	3		@LNA
27	(1B)	BITSTRING	1	TTE10AU1B3	Low byte of Unique 3
		..11 1...		TTE10AISC	"X'38" Interruption subclass is in bits 2-4 ..111...
28	(1C)	CHARACTER	16	TTE10APW (0)	I/O OLD PSW. FLCIOPSW.
28	(1C)	CHARACTER	4	TTE10AP1	PSW 0-3
32	(20)	CHARACTER	4	TTE10AP2	PSW 4-7
36	(24)	CHARACTER	4	TTE10AP3	PSW 8-B
40	(28)	CHARACTER	4	TTE10AP4	PSW C-F
44	(2C)	SIGNED	4	TTE10ALH	PSACLHS.
48	(30)	ADDRESS	4	TTE10APL	PSALOCAL.
52	(34)	SIGNED	4	TTE10ALE	PSACLHSE.
56	(38)	SIGNED	4	TTE10AED (0)	END OF AINT TTE.
					Comment
PCIL event TTE					
					End of Comment
12	(C)	SIGNED	4	TTE20A (0)	PCIL/PCIS event
12	(C)	SIGNED	4	TTE20AW0 (0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE20ATB	<TCB>. CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	4	TTE20AW1 (0)	Word 1 (ASID as in common)
16	(10)	BITSTRING	1		

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
17	(11)	BITSTRING	1	TTE20ACC	CC
18	(12)	SIGNED	2	TTE20AHA	<ASID>. Home Address space. PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE20AW2 (0)	Word 2
20	(14)	ADDRESS	4	TTE20ARET@	Return Address
24	(18)	SIGNED	4	TTE20AW3 (0)	Word 3
24	(18)	SIGNED	4	TTE20AU1 (0)	Unique 1
24	(18)	SIGNED	4	TTE20ATRACEID	PCI trace identifier
28	(1C)	SIGNED	4	TTE20AW4 (0)	Word 4
28	(1C)	SIGNED	4	TTE20APFID (0)	PFID
28	(1C)	SIGNED	2		
30	(1E)	SIGNED	2	TTE20APFIDLOW	Low half of PFID
32	(20)	SIGNED	4	TTE20AW5 (0)	Word 5
32	(20)	SIGNED	4	TTE20AU2 (0)	Unique 2
32	(20)	SIGNED	4	TTE20AOP1HH	High half of operand 1
36	(24)	SIGNED	4	TTE20AW6 (0)	Word 6
36	(24)	SIGNED	4	TTE20AU3 (0)	Unique 3
36	(24)	SIGNED	4	TTE20AOP1LH	Low half of operand 1
40	(28)	SIGNED	4	TTE20AW7 (0)	Word 7
40	(28)	SIGNED	4	TTE20AU4 (0)	Unique 4
40	(28)	SIGNED	4	TTE20AOP2HH	High half of operand 2
44	(2C)	SIGNED	4	TTE20AW8 (0)	Word 8
44	(2C)	SIGNED	4	TTE20AU5 (0)	Unique 5
44	(2C)	SIGNED	4	TTE20AOP2LH	Low half of operand 2
48	(30)	SIGNED	4	TTE20AW9 (0)	Word 9
48	(30)	SIGNED	4	TTE20AU6 (0)	Unique 6
48	(30)	SIGNED	4	TTE20AOP2PHH	High half of operand 2+1
52	(34)	SIGNED	4	TTE20AW10 (0)	Word 10
52	(34)	SIGNED	4	TTE20AU7 (0)	Unique 7 (under UNIQUE-1)
52	(34)	SIGNED	4	TTE20AOP2PLH	Low half of operand 2+1
56	(38)	SIGNED	4	TTE20AED (0)	END OF PCIL TTE.

Comment

PCIS event TTE

End of Comment

12	(C)	SIGNED	4	TTE30A (0)	PCIL/PCIS event
12	(C)	SIGNED	4	TTE30AW0 (0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE30ATB	<TCB>. CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	4	TTE30AW1 (0)	Word 1 (ASID as in common)
16	(10)	BITSTRING	1		
17	(11)	BITSTRING	1	TTE30ACC	CC
18	(12)	SIGNED	2	TTE30AHA	<ASID>. Home Address space. PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE30AW2 (0)	Word 2
20	(14)	ADDRESS	4	TTE30ARET@	Return Address
24	(18)	SIGNED	4	TTE30AW3 (0)	Word 3
24	(18)	SIGNED	4	TTE30AU1 (0)	Unique 1
24	(18)	SIGNED	4	TTE30ATRACEID	PCI trace identifier
28	(1C)	SIGNED	4	TTE30AW4 (0)	Word 4
28	(1C)	SIGNED	4	TTE30APFID (0)	PFID
28	(1C)	SIGNED	2		
30	(1E)	SIGNED	2	TTE30APFIDLOW	Low half of PFID
32	(20)	SIGNED	4	TTE30AW5 (0)	Word 5
32	(20)	SIGNED	4	TTE30AU2 (0)	Unique 2
32	(20)	SIGNED	4	TTE30AOP1HH	High half of operand 1
36	(24)	SIGNED	4	TTE30AW6 (0)	Word 6
36	(24)	SIGNED	4	TTE30AU3 (0)	Unique 3
36	(24)	SIGNED	4	TTE30AOP1LH	Low half of operand 1
40	(28)	SIGNED	4	TTE30AW7 (0)	Word 7
40	(28)	SIGNED	4	TTE30AU4 (0)	Unique 4
40	(28)	SIGNED	4	TTE30AOP2HH	High half of operand 2
44	(2C)	SIGNED	4	TTE30AW8 (0)	Word 8
44	(2C)	SIGNED	4	TTE30AU5 (0)	Unique 5
44	(2C)	SIGNED	4	TTE30AOP2LH	Low half of operand 2
48	(30)	SIGNED	4	TTE30AW9 (0)	Word 9
48	(30)	SIGNED	4	TTE30AU6 (0)	Unique 6
48	(30)	SIGNED	4	TTE30AOP2PHH	High half of operand 2+1
52	(34)	SIGNED	4	TTE30AW10 (0)	Word 10
52	(34)	SIGNED	4	TTE30AU7 (0)	Unique 7 (under UNIQUE-1)
52	(34)	SIGNED	4	TTE30AOP2PLH	Low half of operand 2+1

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
56	(38)	SIGNED	4	TTE30AED (0)	END OF PCIL TTE.
Comment					
SUSP - LOCK SUSPENSION TTE					
End of Comment					
12	(C)	SIGNED	4	TTE019 (0)	SUSPENSION (SUSP).
12	(C)	ADDRESS	4	TTE019TB	ADDRESS OF SUSPENDED TCB OR RELATED TCB. * INPUT REGISTER 4 OR * SSRBPTR(R4)->SRBPTCB.
16	(10)	SIGNED	2	TTE019R1	RESERVED.
18	(12)	SIGNED	2	TTE019HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	ADDRESS	4	TTE019RT	RETURN ADDRESS FOR THE CALLER OF THE SERVICE ROUTINE. * INPUT REGISTER 14.
24	(18)	ADDRESS	4	TTE019RB	ADDRESS OF SUSPENDED RB OR 0. * INPUT REGISTER 5.
28	(1C)	ADDRESS	4	TTE019SB	ADDRESS OF SUSPENDED SRB OR 0. * INPUT REGISTER 4 OR 0.
32	(20)	CHARACTER	4	TTE019SI	EBCDIC SUSPENSION TYPE IDENTIFIER: CEDQ, CLAT CML, CMS, CSMF LOCL * INPUT REGISTER 12.
36	(24)	ADDRESS	4	TTE019AD	ADDRESS ASSOCIATED WITH SUSPENSION OR 0: CEDQ - LOCKWORD ADDRESS. CLAT - LOCKWORD ADDRESS. CML - ASCB ADDRESS FOR CML LOCK REQUESTED. CMS - LOCKWORD ADDRESS. CSMF - LOCKWORD ADDRESS. LOCL - 0. * INPUT REGISTER 11.
40	(28)	SIGNED	4	TTE019LH	CLHS - CPU LOCKS HELD STRING * INPUT REGISTER 2.
44	(2C)	ADDRESS	4	TTE019PL	LOCAL LOCK * INPUT REGISTER 3.
48	(30)	SIGNED	4	TTE019LE	PSACLHSE.
52	(34)	SIGNED	4	TTE019ED (0)	END OF SUSP TTE.
Comment					
SVC - SVC INTERRUPT TTE					
End of Comment					
12	(C)	SIGNED	4	TTE005 (0)	GENERAL SVC INTERRUPT (SVC).
12	(C)	ADDRESS	4	TTE005TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE005SN	SVC NUMBER. * FLCSVCN.
18	(12)	SIGNED	2	TTE005HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	16	TTE005PW (0)	SVC OLD PSW. * FLCSOPSW.
20	(14)	CHARACTER	4	TTE005P1	PSW 0-3
24	(18)	CHARACTER	4	TTE005P2	PSW 4-7
28	(1C)	CHARACTER	4	TTE005P3	PSW 8-B
32	(20)	CHARACTER	4	TTE005P4	PSW C-F
36	(24)	SIGNED	4	TTE005GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
40	(28)	SIGNED	4	TTE005G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
44	(2C)	SIGNED	4	TTE005G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
48	(30)	SIGNED	4	TTE005ED (0)	END OF SVC TTE.
Comment					
SVCE - SVC ERROR TTE					
End of Comment					
12	(C)	SIGNED	4	TTEF05 (0)	SVC ERROR (SVCE).
12	(C)	ADDRESS	4	TTEF05TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTEF05SN	SVC NUMBER. * FLCSVCN.
18	(12)	SIGNED	2	TTEF05HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTEF05PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTEF05SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTEF05PW (0)	SVC OLD PSW. * FLCSOPSW.
24	(18)	CHARACTER	4	TTEF05P1	PSW 0-3
28	(1C)	CHARACTER	4	TTEF05P2	PSW 4-7
32	(20)	CHARACTER	4	TTEF05P3	PSW 8-B
36	(24)	CHARACTER	4	TTEF05P4	PSW C-F
40	(28)	SIGNED	4	TTEF05GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
44	(2C)	SIGNED	4	TTEF05G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
48	(30)	SIGNED	4	TTEF05G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
52	(34)	SIGNED	4	TTEF05MW	PSAMODEW.
56	(38)	SIGNED	4	TTEF05LH	PSACLHS.
60	(3C)	ADDRESS	4	TTEF05PL	PSALOCAL.
64	(40)	SIGNED	4	TTEF05LE	PSACLHSE.
68	(44)	SIGNED	4	TTEF05ED (0)	END OF SVCE TTE.

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
Comment						
SVCR - SVC RETURN TTE						
End of Comment						
12	(C)	SIGNED	4	TTE105 (0)	SVC RETURN (SVCR).	
12	(C)	ADDRESS	4	TTE105TB	CURRENT TCB ADDRESS. * PSATOLD.	
16	(10)	SIGNED	2	TTE105SN	SVC NUMBER. * ((PSATOLD->TCBRBP)- * (RBPRFLNA)->RBINTCOD.	
18	(12)	SIGNED	2	TTE105HA	HOME ADDRESS SPACE. * PSAOLD->ASCBASID.	
20	(14)	CHARACTER	16	TTE105PW (0)	PSW TO RECEIVE CONTROL ON REDISPATCH. * PSATOLD->TCBRBP->RBOPSW.	
20	(14)	CHARACTER	4	TTE105P1	PSW 0-3	
24	(18)	CHARACTER	4	TTE105P2	PSW 4-7	
28	(1C)	CHARACTER	4	TTE105P3	PSW 8-B	
32	(20)	CHARACTER	4	TTE105P4	PSW C-F	
36	(24)	SIGNED	4	TTE105GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.	
40	(28)	SIGNED	4	TTE105G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.	
44	(2C)	SIGNED	4	TTE105G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.	
48	(30)	SIGNED	4	TTE105ED (0)	END OF SVCR TTE.	
Comment						
SSRV - PC OR BRANCH ENTERED SYSTEM SERVICE TTE						
End of Comment						
12	(C)	SIGNED	4	TTE205 (0)	PC OR BRANCH ENTERED SYSTEM SERVICE (SSRV)	
12	(C)	ADDRESS	4	TTE205TB	CURRENT TCB ADDRESS OR 0. PSATOLD.	
16	(10)	SIGNED	2	TTE205SI	SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER.	
18	(12)	SIGNED	2	TTE205HA	HOME ADDRESS SPACE. PSAOLD->ASCBASID.	
20	(14)	ADDRESS	4	TTE205CI	RETURN ADDRESS OF THE CALLER OF THE BRANCH ENTERED SERVICE OR OF THE PC ENTERED SERVICE.	
24	(18)	SIGNED	4	TTE205U1	1ST WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.	
28	(1C)	SIGNED	4	TTE205U2	2ND WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.	
32	(20)	SIGNED	4	TTE205U3	3RD WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.	
36	(24)	SIGNED	4	TTE205U4	4TH WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.	
40	(28)	SIGNED	4	TTE205ED (0)	END OF SSRV TTE.	
Comment						
SSRV - TTE FOR IARV64 REQUESTS						
End of Comment						
12	(C)	SIGNED	4	TTEV64 (0)	IARV64 SSRV	
12	(C)	ADDRESS	4	TTEV64TB	CURRENT TCB ADDRESS OR 0. PSATOLD.	
16	(10)	SIGNED	2	TTEV64SI	SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER.	
18	(12)	SIGNED	2	TTEV64HA	HOME ADDRESS SPACE. PSAOLD->ASCBASID.	
20	(14)	ADDRESS	4	TTEV64W1	WORD1 - REQUEST TYPE AND MISC FLAGS	
24	(18)	ADDRESS	4	TTEV64W2	WORD2 - ABEND/RETURN CODE	
28	(1C)	ADDRESS	4	TTEV64W3	WORD3 - REASON CODE	
32	(20)	ADDRESS	4	TTEV64W4	WORD4 - ALET	
36	(24)	CHARACTER	8	TTEV64D1 (0)	DOUBLEWORD #1	
36	(24)	CHARACTER	4	TTEV64WA	WORD1	
40	(28)	CHARACTER	4	TTEV64WB	WORD2	
44	(2C)	CHARACTER	8	TTEV64D2 (0)	DOUBLEWORD #2	
44	(2C)	CHARACTER	4	TTEV64WC	WORD1	
48	(30)	CHARACTER	4	TTEV64WD	WORD2	
52	(34)	CHARACTER	8	TTEV64D3 (0)	DOUBLEWORD #3	
52	(34)	CHARACTER	4	TTEV64WE	WORD1	
56	(38)	CHARACTER	4	TTEV64WF	WORD2	
60	(3C)	SIGNED	4	TTEV64ED (0)		
Comment						
SSRV - TTE FOR CF CPU REQUESTS						
End of Comment						
12	(C)	SIGNED	4	TTECF (0)	CF CPU SSRV	
12	(C)	ADDRESS	4	TTECFCTB	<TCB> CURRENT TCB ADDRESS OR 0. PSATOLD.	

TTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	SIGNED	2	TTECFCSI	<CD/D> SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER ('1050'x).
18	(12)	SIGNED	2	TTECFCHA	<ASID> HOME ADDRESS SPACE. PSAAOLD->ASCBASID.
20	(14)	CHARACTER	4	TTECFCPW	<PSW ADDR> TARGET CPU, FLAGS, DIRECTION AND SOURCE.
24	(18)	CHARACTER	4	TTECFCU1	<U1> COPY OF RGD_SCPU_RC
28	(1C)	CHARACTER	4	TTECFCU2	<U2> START OF CSD_CPU_ALIVE.
32	(20)	CHARACTER	4	TTECFCU3	<U3>
36	(24)	CHARACTER	4	TTECFCU4	<U4>
40	(28)	CHARACTER	4	TTECFCU5	<U5> END OF CSD_CPU_ALIVE.
44	(2C)	SIGNED	4	TTECFCED (0)	END OF SSRV CF CPU TTE

Comment

USRN - USER EVENT TTE AMODE64

End of Comment

16	(10)	SIGNED	4	TTE07FE (0)	USER EVENT TRACE (USRN) TRACG
16	(10)	CHARACTER	8	(0)	
16	(10)	CHARACTER	4		
20	(14)	ADDRESS	4	TTE07FTE	CURRENT TCB ADDRESS OR 0.
24	(18)	CHARACTER	8	(0)	
24	(18)	CHARACTER	4		* PSATOLD.
28	(1C)	SIGNED	2	TTE07FDE	RESERVED.
30	(1E)	SIGNED	2	TTE07FHE	HOME ADDRESS SPACE.
32	(20)	CHARACTER	8	(0)	
32	(20)	CHARACTER	4		* PSAAOLD->ASCBASID.
36	(24)	SIGNED	2	TTE07FPE	PASID. * CONTROL REGISTER 4.
38	(26)	SIGNED	2	TTE07FSE	SASID. * CONTROL REGISTER 3.
40	(28)	CHARACTER	8	TTE07FAE	USER RETURN ADDRESS. * INPUT REGISTER 14.
48	(30)	CHARACTER	8	TTE07FCE (0)	CONTINUATION INFORMATION.
48	(30)	CHARACTER	4		
52	(34)	SIGNED	2	TTE07FIE	PTRACE IDENTIFICATION COUNT * PSATRV->TRVTT0B->TOBTRCI
54	(36)	SIGNED	2	TTE07FRE	RELATIVE BYTE COUNT. * GENERATED.
54	(36)	X'5'	0	TTE07FME	"5" MAXIMUM NUMBER OF DATA WORDS PER USER ENTRY.

Comment

USRN - USER EVENT TTE

End of Comment

12	(C)	SIGNED	4	TTE07F (0)	USER EVENT TRACE (USRN).
12	(C)	ADDRESS	4	TTE07FTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE07FRV	RESERVED.
18	(12)	SIGNED	2	TTE07FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE07FPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE07FSA	SASID. * CONTROL REGISTER 3.
24	(18)	ADDRESS	4	TTE07FAD	USER RETURN ADDRESS. * INPUT REGISTER 14.
28	(1C)	SIGNED	4	TTE07FC1 (0)	CONTINUATION INFORMATION.
28	(1C)	SIGNED	2	TTE07FPI	PTRACE IDENTIFICATION COUNT. * PSATRV->TRVTT0B->TOBTRCI
30	(1E)	SIGNED	2	TTE07FRB	RELATIVE BYTE COUNT. * GENERATED.
30	(1E)	X'5'	0	TTE07FMW	"5" MAXIMUM NUMBER OF DATA WORDS PER USER ENTRY.

Comment

WAIT - WAIT DISPATCH TTE

End of Comment

12	(C)	SIGNED	4	TTEF0F (0)	WAIT DISPATCH (WAIT).
12	(C)	ADDRESS	4	TTEF0FTB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTEF0FR1	RESERVED.
18	(12)	SIGNED	2	TTEF0FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTEF0FED (0)	END OF WAIT TTE.

Comment

RCVY - RECOVERY EVENT TTE

End of Comment

12	(C)	SIGNED	4	TTE01D (0)	RECOVERY EVENT (RCVY).
12	(C)	ADDRESS	4	TTE01DTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01DSI	RCVY SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01DHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE01DLH	PSACLHS.
24	(18)	SIGNED	4	TTE01DLE	PSACLHSE.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
28	(1C)	ADDRESS	4	TTE01DPL	PSALOCAL.
32	(20)	CHARACTER	40	TTE01DU (0)	INFORMATION UNIQUE TO RCVY SUBTYPE CODE.
32	(20)	SIGNED	4	TTE01DU1	1ST WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
36	(24)	SIGNED	4	TTE01DU2	2ND WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
40	(28)	SIGNED	4	TTE01DU3	3RD WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
44	(2C)	SIGNED	4	TTE01DU4	4TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
48	(30)	SIGNED	4	TTE01DU5	5TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
52	(34)	SIGNED	4	TTE01DU6	6TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
56	(38)	SIGNED	4	TTE01DU7	7TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
60	(3C)	SIGNED	4	TTE01DU8	8TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
64	(40)	SIGNED	4	TTE01DU9	9TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
68	(44)	SIGNED	4	TTE01DUA	10TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
72	(48)	SIGNED	4	TTE01DED (0)	END OF RCVY TTE.

Comment

SPIN event TTE

End of Comment

12	(C)	SIGNED	4	TTE01E (0)	SPIN event
12	(C)	ADDRESS	4	TTE01ETB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01ESI	SPIN SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01EHA	HOME ADDRESS SPACE. * PSAALD->ASCBASID.
20	(14)	SIGNED	4	TTE01ELH	PSACLHS.
24	(18)	SIGNED	4	TTE01ELE	PSACLHSE.
28	(1C)	ADDRESS	4	TTE01EPL	PSALOCAL.
32	(20)	CHARACTER	32	TTE01EU (0)	INFORMATION UNIQUE TO SPIN SUBTYPE CODE.
32	(20)	SIGNED	4	TTE01EU1	1ST WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
36	(24)	SIGNED	4	TTE01EU2	2ND WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
40	(28)	SIGNED	4	TTE01EU3	3RD WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
44	(2C)	SIGNED	4	TTE01EU4	4TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
48	(30)	SIGNED	4	TTE01EU5	5TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
52	(34)	SIGNED	4	TTE01EU6	6TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
56	(38)	SIGNED	4	TTE01EU7	7TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
60	(3C)	SIGNED	4	TTE01EU8	8TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
64	(40)	SIGNED	4	TTE01EED (0)	END OF SPIN TTE.

Comment

TIME - TIMER SERVICES TTE

End of Comment

12	(C)	SIGNED	4	TTE01F (0)	TIMER SERVICES ENTRY(TIME)
12	(C)	ADDRESS	4	TTE01FTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01FSI	TIME SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01FHA	HOME ADDRESS SPACE. * PSAALD->ASCBASID.
20	(14)	CHARACTER	44	TTE01FU (0)	INFORMATION UNIQUE TO TIME SUBTYPE CODE.
20	(14)	SIGNED	4	TTE01FU1	1ST WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
24	(18)	SIGNED	4	TTE01FU2	2ND WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
28	(1C)	SIGNED	4	TTE01FU3	3RD WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
32	(20)	SIGNED	4	TTE01FU4	4TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
36	(24)	SIGNED	4	TTE01FU5	5TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
40	(28)	SIGNED	4	TTE01FU6	6TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
44	(2C)	SIGNED	4	TTE01FU7	7TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
48	(30)	SIGNED	4	TTE01FU8	8TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
52	(34)	SIGNED	4	TTE01FU9	9TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
56	(38)	SIGNED	4	TTE01FUA	10TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
60	(3C)	SIGNED	4	TTE01FUB	11TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
64	(40)	SIGNED	4	TTE01FED (0)	END OF TIME TTE.

Comment

XSCH - CANCEL SUBCHANNEL TTE

End of Comment

12	(C)	SIGNED	4	TTE601 (0)	CANCEL SUBCHANNEL (XSCH).
12	(C)	ADDRESS	4	TTE601TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE601AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE601HA	HOME ADDRESS SPACE. * PSAALD->ASCBASID.
20	(14)	BITSTRING	1	TTE601CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE601DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE601DN	DEVICE NUMBER. * UCBPFPTR(R7)+200'X->UCBCHAN.
24	(18)	ADDRESS	4	TTE601UB	UCB ADDRESS (COMMON SEGMENT). * UCBPFPTR(R7)+200'X.

TTE Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	ADDRESS	4	TTE601IQ	IOQ ADDRESS. * UCBPFPTR(R7)->UCBIOQ.
32	(20)	ADDRESS	4	TTE601IO	IOQB ADDRESS. * INPUT REGISTER 2.
36	(24)	SIGNED	4	TTE601TK (0)	TOKEN. * INPUT REGISTER 1.
36	(24)	BITSTRING	1	TTE601T1	KEY. NOT FORMATTED.
37	(25)	BITSTRING	1	TTE601T2	RESERVED.
38	(26)	SIGNED	2	TTE601T3	BASE DEVICE NUMBER.
40	(28)	BITSTRING	1	TTE601SSIDA	SUBCHANNEL SET ID
41	(29)	BITSTRING	3		RESERVED
44	(2C)	ADDRESS	4	TTE601IA	ASSOCIATED IOQ ADDRESS (E.G., AN INTERROGATE IOQ) OR 0. REG 10 ON TRACE INSTRUCTION.
48	(30)	SIGNED	4	TTE601ED (0)	END OF XSCH TTE.

TTE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTE	0		TTEF05GF	28	
TTEASID	12		TTEF05G0	2C	
TTECF	C		TTEF05G1	30	
TTECFCED	2C		TTEF05HA	12	
TTECFCHA	12		TTEF05LE	40	
TTECFCPW	14		TTEF05LH	38	
TTECFCSI	10		TTEF05MW	34	
TTECFCTB	C		TTEF05PA	14	
TTECFCU1	18		TTEF05PL	3C	
TTECFCU2	1C		TTEF05PW	18	
TTECFCU3	20		TTEF05P1	18	
TTECFCU4	24		TTEF05P2	1C	
TTECFCU5	28		TTEF05P3	20	
TTEDEP	10		TTEF05P4	24	
TTEEASID	1E		TTEF05SA	16	
TTEEDEP	1C		TTEF05SN	10	
TTEEEDCOM	10		TTEF05TB	C	
TTEEMBZ1	1		TTEMBZ1	1	
TTEEMEX	0	F0	TTEMEX	0	F0
TTEEMSID	E	F	TTEMSID	A	F
TTEEREGS	0	F	TTEMTDSP	90	F
TTEETCB	14		TTEMTTEXT	90	3
TTEETEX	0	70	TTEMTSCH	90	1
TTEETMAX	90	90	TTEMTSVC	90	5
TTEETOD	2		TTEREGS	0	F
TTEETOTE	C		TTETACR	90	17
TTEETYPE	0		TTETAINT	90	10A
TTEEUNQ	10		TTETALTR	90	1B
TTEEWRDA	60		TTETCALL	90	303
TTEEWRDB	68		TTETCB	C	
TTEEWRDC	70		TTETCLKC	90	403
TTEEWRDD	78		TTETGSCHE	90	301
TTEEWRDE	80		TTETDSP	90	F
TTEEWRDF	88		TTETEMS	90	103
TTEEWRD0	10		TTETEX	0	70
TTEEWRD1	18		TTETEXT	90	3
TTEEWRD2	20		TTETHSCH	90	201
TTEEWRD3	28		TTETIO	90	B
TTEEWRD4	30		TTETMAX	4C	4C
TTEEWRD5	38		TTETMCH	90	13
TTEEWRD6	40		TTETMSCH	90	101
TTEEWRD7	48		TTETOD	2	
TTEEWRD8	50		TTETOTE	8	
TTEEWRD9	58		TTETPCIL	90	20A
TTEEXCOM	C		TTETPCIS	90	30A
TTEEXEND	90		TTETPDMX	90	A
TTEEXP	0		TTETPGM	90	7
TTEEXPID	F		TTETRCVY	90	1D
TTEEXPSD	E		TTETRSCHE	90	401
TTEEXPTP	E		TTETRST	90	15
TTEF0F	C		TTETSIGA	90	501
TTEF0FED	14		TTETSPER	90	9
TTEF0FHA	12		TTETSPIN	90	1E
TTEF0FR1	10		TTETSRB	90	10F
TTEF0FTB	C		TTETSS	90	203
TTEF05	C		TTETSSCH	90	1
TTEF05ED	44		TTETSSRB	90	20F

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTETSSRV	90	205			1A
TTETSUSP	90	19	TTE00ARA		14
TTETSVC	90	5	TTE00ATB		C
TTETSVCE	90	F05	TTE00AU1		1C
TTETSVCR	90	105	TTE00AU2		20
TTETTIME	90	1F	TTE00AU3		24
TTETUSRA	90	A7F	TTE00AU4		28
TTETUSRB	90	B7F	TTE00AW0		C
TTETUSRC	90	C7F	TTE00AW1		10
TTETUSRD	90	D7F	TTE00AW2		14
TTETUSRE	90	E7F	TTE00AW3		18
TTETUSRF	90	F7F	TTE00AW5		20
TTETUSR0	90	7F	TTE00B		C
TTETUSR1	90	17F	TTE00BCA		2C
TTETUSR2	90	27F	TTE00BCT		32
TTETUSR3	90	37F	TTE00BDN		10
TTETUSR4	90	47F	TTE00BDS		30
TTETUSR5	90	57F	TTE00BED		4C
TTETUSR6	90	67F	TTE00BEW		34
TTETUSR7	90	77F	TTE00BFG		28
TTETUSR8	90	87F	TTE00BHA		12
TTETUSR9	90	97F	TTE00BLE		44
TTETWAIT	90	F0F	TTE00BLH		3C
TTETXSCH	90	601	TTE00BPA		14
TTETYPE	0		TTE00BPL		40
TTEUNQ	C		TTE00BPW		18
TTEV64	C		TTE00BP1		18
TTEV64D1	24		TTE00BP2		1C
TTEV64D2	2C		TTE00BP3		20
TTEV64D3	34		TTE00BP4		24
TTEV64ED	3C		TTE00BSA		16
TTEV64HA	12		TTE00BSC		2A
TTEV64SI	10		TTE00BSS		31
TTEV64TB	C		TTE00BSSIDA		49
TTEV64WA	24		TTE00BTB		C
TTEV64WB	28		TTE00BTK		48
TTEV64WC	2C		TTE00BT1		48
TTEV64WD	30		TTE00BT3		4A
TTEV64WE	34		TTE00BUB		38
TTEV64WF	38		TTE00F		C
TTEV64W1	14		TTE00FED		3C
TTEV64W2	18		TTE00FG0		28
TTEV64W3	1C		TTE00FG1		2C
TTEV64W4	20		TTE00FHA		12
TTEWRDA	34		TTE00FLH		34
TTEWRDB	38		TTE00FMW		30
TTEWRDC	3C		TTE00FPA		14
TTEWRDD	40		TTE00FPL		38
TTEWRDE	44		TTE00FPW		18
TTEWRDF	48		TTE00FP1		18
TTEWRD0	C		TTE00FP2		1C
TTEWRD1	10		TTE00FP3		20
TTEWRD2	14		TTE00FP4		24
TTEWRD3	18		TTE00FR1		10
TTEWRD4	1C		TTE00FSA		16
TTEWRD5	20		TTE00FTB		C
TTEWRD6	24		TTE00W4		1C
TTEWRD7	28		TTE00W6		24
TTEWRD8	2C		TTE00W7		28
TTEWRD9	30		TTE001		C
TTEXP	0		TTE001AD		10
TTEXPEND	4C		TTE001CC		14
TTEXPID	B		TTE001CU		30
TTEXPSID	A		TTE001DI		15
TTEXPTYYP	A		TTE001DN		16
TTE00A	C		TTE001ED		38
TTE00ACB	20		TTE001HA		12
TTE00ACBP1	24		TTE001IO		28
TTE00ACBP2	28		TTE001O2		1C
TTE00ADT	1C		TTE001O3		20
TTE00AED	2C		TTE001O4		24
TTE00AHA	12		TTE001SSIDA		34
TTE00APFID	18		TTE001TB		C
TTE00APFIDLOW			TTE001TK		2C

TTE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTE001T1	2C		TTE009V1	28	
TTE001T2	2D		TTE009V2	2C	
TTE001T3	2E		TTE009V3	30	
TTE001UB	18		TTE009V4	34	
TTE003	C		TTE009V5	44	
TTE003CD	28		TTE01B	C	
TTE003ED	38		TTE01BAC	1C	
TTE003HA	12		TTE01BBF	28	
TTE003LE	34		TTE01BBFW1	28	
TTE003LH	2C		TTE01BBFW2	2C	
TTE003PA	14		TTE01BCT	30	
TTE003PL	30		TTE01BED	34	
TTE003PW	18		TTE01BFC	18	
TTE003P1	18		TTE01BHA	12	
TTE003P2	1C		TTE01BPA	14	
TTE003P3	20		TTE01BPT	20	
TTE003P4	24		TTE01BPTW1	20	
TTE003R1	10		TTE01BPTW2	24	
TTE003SA	16		TTE01BR1	10	
TTE003TB	C		TTE01BR2	32	
TTE005	C		TTE01BSA	16	
TTE005ED	30		TTE01BTB	C	
TTE005GF	24		TTE01D	C	
TTE005G0	28		TTE01DED	48	
TTE005G1	2C		TTE01DHA	12	
TTE005HA	12		TTE01DLE	18	
TTE005PW	14		TTE01DLH	14	
TTE005P1	14		TTE01DPL	1C	
TTE005P2	18		TTE01DSI	10	
TTE005P3	1C		TTE01DTB	C	
TTE005P4	20		TTE01DU	20	
TTE005SN	10		TTE01DUA	44	
TTE005TB	C		TTE01DU1	20	
TTE007	C		TTE01DU2	24	
TTE007CD	36		TTE01DU3	28	
TTE007ED	3C		TTE01DU4	2C	
TTE007HA	12		TTE01DU5	30	
TTE007IL	34		TTE01DU6	34	
TTE007LE	20		TTE01DU7	38	
TTE007LH	18		TTE01DU8	3C	
TTE007PA	14		TTE01DU9	40	
TTE007PL	1C		TTE01E	C	
TTE007PW	24		TTE01EED	40	
TTE007P1	24		TTE01EHA	12	
TTE007P2	28		TTE01ELE	18	
TTE007P3	2C		TTE01ELH	14	
TTE007P4	30		TTE01EPL	1C	
TTE007R1	10		TTE01ESI	10	
TTE007SA	16		TTE01ETB	C	
TTE007TA	38		TTE01EU	20	
TTE007TB	C		TTE01EU1	20	
TTE007ZD	40		TTE01EU2	24	
TTE007ZL	3C		TTE01EU3	28	
TTE007ZT	38		TTE01EU4	2C	
TTE009	C		TTE01EU5	30	
TTE009CD	2A		TTE01EU6	34	
TTE009ED	48		TTE01EU7	38	
TTE009HA	12		TTE01EU8	3C	
TTE009IA	30		TTE01F	C	
TTE009IB	34		TTE01FED	40	
TTE009ID	2C		TTE01FHA	12	
TTE009IL	28		TTE01FSI	10	
TTE009LE	3C		TTE01FTB	C	
TTE009LH	38		TTE01FU	14	
TTE009PA	14		TTE01FUA	38	
TTE009PC	10		TTE01FUB	3C	
TTE009PL	40		TTE01FU1	14	
TTE009PW	18		TTE01FU2	18	
TTE009P1	18		TTE01FU3	1C	
TTE009P2	1C		TTE01FU4	20	
TTE009P3	20		TTE01FU5	24	
TTE009P4	24		TTE01FU6	28	
TTE009SA	16		TTE01FU7	2C	
TTE009TB	C		TTE01FU8	30	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTE01FU9	34		TTE07FHA	12	
TTE013	C		TTE07FHE	1E	
TTE013ED	40		TTE07FIE	34	
TTE013HA	12		TTE07FME	36	5
TTE013LE	3C		TTE07FMW	1E	5
TTE013LH	34		TTE07FPA	14	
TTE013MC	28		TTE07FPE	24	
TTE013M1	28		TTE07FPI	1C	
TTE013M2	2C		TTE07FRB	1E	
TTE013PA	14		TTE07FRE	36	
TTE013PL	38		TTE07FRV	10	
TTE013PS	30		TTE07FSA	16	
TTE013PW	18		TTE07FSE	26	
TTE013P1	18		TTE07FTB	C	
TTE013P2	1C		TTE07FTE	14	
TTE013P3	20		TTE10A	C	
TTE013P4	24		TTE10AED	38	
TTE013R1	10		TTE10AHA	12	
TTE013SA	16		TTE10AISC	1B	38
TTE013TB	C		TTE10AISM	11	
TTE015	C		TTE10ALE	34	
TTE015ED	48		TTE10ALH	2C	
TTE015GF	28		TTE10APA	14	
TTE015G0	2C		TTE10APL	30	
TTE015G1	30		TTE10APW	1C	
TTE015HA	12		TTE10AP1	1C	
TTE015LE	44		TTE10AP2	20	
TTE015LH	3C		TTE10AP3	24	
TTE015MW	38		TTE10AP4	28	
TTE015PA	14		TTE10ASA	16	
TTE015PL	40		TTE10ATB	C	
TTE015PS	34		TTE10AU1	18	
TTE015PW	18		TTE10AU1B3	1B	
TTE015P1	18		TTE10AW0	C	
TTE015P2	1C		TTE10AW1	10	
TTE015P3	20		TTE10AW2	14	
TTE015P4	24		TTE10AW3	18	
TTE015R1	10		TTE10F	C	
TTE015SA	16		TTE10FAP	1E	
TTE015TB	C		TTE10FED	2C	
TTE017	C		TTE10FFN	1C	
TTE017AD	14		TTE10FG0	20	
TTE017ED	34		TTE10FG1	24	
TTE017FG	18		TTE10FHA	12	
TTE017FR	1C		TTE10FLH	11	
TTE017HA	12		TTE10FPT	28	
TTE017LE	30		TTE10FPW	14	
TTE017LH	28		TTE10FP1	14	
TTE017LP	10		TTE10FP2	18	
TTE017MW	24		TTE10FSF	10	
TTE017PL	2C		TTE10FTB	C	
TTE017PS	20		TTE101	C	
TTE017R1	19		TTE101AD	10	
TTE017TB	C		TTE101CC	14	
TTE019	C		TTE101DN	16	
TTE019AD	24		TTE101ED	30	
TTE019ED	34		TTE101FB	23	
TTE019HA	12		TTE101F1	1C	
TTE019LE	30		TTE101F2	1D	
TTE019LH	28		TTE101HA	12	
TTE019PL	2C		TTE101IO	24	
TTE019RB	18		TTE101LM	1E	
TTE019RT	14		TTE101MI	20	
TTE019R1	10		TTE101O2	1C	
TTE019SB	1C		TTE101O3	20	
TTE019SI	20		TTE101PM	1F	
TTE019TB	C		TTE101P2	22	
TTE07F	C		TTE101R1	15	
TTE07FAD	18		TTE101SSIDA	2C	
TTE07FAE	28		TTE101TB	C	
TTE07FCE	30		TTE101TK	28	
TTE07FCI	1C		TTE101T1	28	
TTE07FDE	1C		TTE101T2	29	
TTE07FE	10		TTE101T3	2A	

TTE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTE101UB	18		TTE20FPA	14	
TTE103	C		TTE20FPL	34	
TTE103CD	28		TTE20FPT	28	
TTE103ED	44		TTE20FPW	18	
TTE103HA	12		TTE20FP1	18	
TTE103LE	40		TTE20FP2	1C	
TTE103LH	38		TTE20FP3	20	
TTE103PA	14		TTE20FP4	24	
TTE103PL	3C		TTE20FR1	10	
TTE103PW	18		TTE20FSA	16	
TTE103P1	18		TTE20FSP	2C	
TTE103P2	1C		TTE20FTB	C	
TTE103P3	20		TTE201	C	
TTE103P4	24		TTE201AD	10	
TTE103R1	10		TTE201AI	20	
TTE103SA	16		TTE201CC	14	
TTE103SE	34		TTE201DI	15	
TTE103SI	2C		TTE201DN	16	
TTE103SP	30		TTE201ED	30	
TTE103TB	C		TTE201HA	12	
TTE105	C		TTE201IO	24	
TTE105ED	30		TTE201IQ	1C	
TTE105GF	24		TTE201SSIDA	2C	
TTE105G0	28		TTE201TB	C	
TTE105G1	2C		TTE201TK	28	
TTE105HA	12		TTE201T1	28	
TTE105PW	14		TTE201T2	29	
TTE105P1	14		TTE201T3	2A	
TTE105P2	18		TTE201UB	18	
TTE105P3	1C		TTE203	C	
TTE105P4	20		TTE203AD	3A	
TTE105SN	10		TTE203AT	3C	
TTE105TB	C		TTE203BA	2C	
TTE20A	C		TTE203CD	28	
TTE20ACC	11		TTE203CM	30	
TTE20AED	38		TTE203ED	4C	
TTE20AHA	12		TTE203HA	12	
TTE20AOP1HH	20		TTE203LE	48	
TTE20AOP1LH	24		TTE203LH	40	
TTE20AOP2HH	28		TTE203PA	14	
TTE20AOP2LH	2C		TTE203PL	44	
TTE20AOP2PHH	30		TTE203PW	18	
TTE20AOP2PLH	34		TTE203P1	18	
TTE20APFID	1C		TTE203P2	1C	
TTE20APFIDLOW			TTE203P3	20	
	1E		TTE203P4	24	
TTE20ARET@	14		TTE203RC	36	
TTE20ATB	C		TTE203R1	10	
TTE20ATRACEID			TTE203R2	38	
	18		TTE203R3	34	
TTE20AU1	18		TTE203SA	16	
TTE20AU2	20		TTE203TB	C	
TTE20AU3	24		TTE205	C	
TTE20AU4	28		TTE205CI	14	
TTE20AU5	2C		TTE205ED	28	
TTE20AU6	30		TTE205HA	12	
TTE20AU7	34		TTE205SI	10	
TTE20AW0	C		TTE205TB	C	
TTE20AW1	10		TTE205U1	18	
TTE20AW10	34		TTE205U2	1C	
TTE20AW2	14		TTE205U3	20	
TTE20AW3	18		TTE205U4	24	
TTE20AW4	1C		TTE30A	C	
TTE20AW5	20		TTE30ACC	11	
TTE20AW6	24		TTE30AED	38	
TTE20AW7	28		TTE30AHA	12	
TTE20AW8	2C		TTE30AOP1HH	20	
TTE20AW9	30		TTE30AOP1LH	24	
TTE20F	C		TTE30AOP2HH	28	
TTE20FAP	32		TTE30AOP2LH	2C	
TTE20FED	38		TTE30AOP2PHH	30	
TTE20FFN	30		TTE30AOP2PLH	34	
TTE20FHA	12		TTE30APFID	1C	
TTE20FLH	11		TTE30APFIDLOW		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TTE30ARET@	1E		TTE403ED	40	
TTE30ATB	14		TTE403HA	12	
TTE30ATRACEID	C		TTE403LE	3C	
			TTE403LH	34	
	18		TTE403PA	14	
TTE30AU1	18		TTE403PL	38	
TTE30AU2	20		TTE403PW	18	
TTE30AU3	24		TTE403P1	18	
TTE30AU4	28		TTE403P2	1C	
TTE30AU5	2C		TTE403P3	20	
TTE30AU6	30		TTE403P4	24	
TTE30AU7	34		TTE403R1	10	
TTE30AW0	C		TTE403R2	30	
TTE30AW1	10		TTE403SA	16	
TTE30AW10	34		TTE403TA	32	
TTE30AW2	14		TTE403TB	C	
TTE30AW3	18		TTE403TT	2C	
TTE30AW4	1C		TTE501	C	
TTE30AW5	20		TTE501CC	14	
TTE30AW6	24		TTE501DN	16	
TTE30AW7	28		TTE501ED	2C	
TTE30AW8	2C		TTE501FC	15	
TTE30AW9	30		TTE501HA	12	
TTE301	C		TTE501M1	1C	
TTE301AD	10		TTE501M2	20	
TTE301AI	20		TTE501QI	24	
TTE301CC	14		TTE501SI	18	
TTE301DI	15		TTE501TB	C	
TTE301DN	16		TTE501UB	28	
TTE301ED	30		TTE601	C	
TTE301HA	12		TTE601AD	10	
TTE301IO	24		TTE601CC	14	
TTE301IQ	1C		TTE601DI	15	
TTE301SSIDA	2C		TTE601DN	16	
TTE301TB	C		TTE601ED	30	
TTE301TK	28		TTE601HA	12	
TTE301T1	28		TTE601IA	2C	
TTE301T2	29		TTE601IO	20	
TTE301T3	2A		TTE601IQ	1C	
TTE301UB	18		TTE601SSIDA	28	
TTE303	C		TTE601TB	C	
TTE303CD	28		TTE601TK	24	
TTE303ED	3C		TTE601T1	24	
TTE303HA	12		TTE601T2	25	
TTE303LE	38		TTE601T3	26	
TTE303LH	30		TTE601UB	18	
TTE303PA	14				
TTE303PB	2C				
TTE303PL	34				
TTE303PW	18				
TTE303P1	18				
TTE303P2	1C				
TTE303P3	20				
TTE303P4	24				
TTE303R1	10				
TTE303SA	16				
TTE303TB	C				
TTE401	C				
TTE401AD	10				
TTE401CC	14				
TTE401DI	15				
TTE401DN	16				
TTE401ED	28				
TTE401HA	12				
TTE401IO	1C				
TTE401SSIDA	24				
TTE401TB	C				
TTE401TK	20				
TTE401T1	20				
TTE401T2	21				
TTE401T3	22				
TTE401UB	18				
TTE403	C				
TTE403CD	28				

TXTFT Information

TXTFT Programming Interface information

Programming Interface information

TXTFT

End of Programming Interface information

TXFTT Heading Information • TXFTT Map

TXFTT Heading Information

Common Name: C/I Text Format Mapping
Macro ID: IEFTXTFT
DSECT Name: TEXT
Owning Component: MVS Converter/Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 1
 Residency: ANY
Size: Variable
Created by: Converter
Pointed to by: - Register 1, Word 2 on entry to JES2 Exit 6
 - Register 1, Word 1 on entry to JES3 Exit IATUX03
Serialization: None
Function: This Macro is used to map the Converter Interpreter (C/I) text string, generated by the MVS Converter.

TXFTT Map

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

Comment

THE FOLLOWING FIELDS ARE COMMON TO ALL TEXT STRING TYPES.

End of Comment

0	(0)	CHARACTER	2	STRLTH	LENGTH OF TEXT STRING.
2	(2)	CHARACTER	1	STRINDCS	STATEMENT TYPE AND MISCELLANEOUS INDICATORS
		.... ..1		JOBSTR	"X'01" JOB STATEMENT TEXT STRING
		.... ..1.		EXECSTR	"X'02" EXEC STATEMENT TEXT STRING
		.... ..1..		DDSTR	"X'04" DD STATEMENT TEXT STRING
		.... 1...		PROCSTR	"X'08" PROC STATEMENT TEXT STRING
		....1		LASTSTMT	"X'10" LAST STMT FOR THIS STEP.
		..1.		JDVBSTR	"X'20" JDT-DEFINED VERB STRING
		..1.		JDTJCL	"X'40" JDT-DEFINED JCL APPEARS IN THIS STATEMENT
		1...		STRINDE	"X'80" INDICATES THE EXTENDED STATEMENT BYTES ARE PRESENT IN THE TEXT PREFIX
3	(3)	CHARACTER	2	STRINDCE (0)	EXTENDED STATEMENT TYPE FIELDS
3	(3)	CHARACTER	1	STRINDC1	EXTENDED STATEMENT TYPE FIELD 1
		1...		IFSTR	"X'80" IF STATEMENT TEXT STRING
		..1.		ELSESTR	"X'40" ELSE STATEMENT TEXT STRING
		..1.		ENDIFSTR	"X'20" ENDIF STATEMENT TEXT STRING
4	(4)	CHARACTER	1	STRINDC2	EXTENDED STATEMENT TYPE FIELD 2

Comment

FORMAT FOR JOB TEXT STRING

2 1 1 1 1 1

STRLTH STRINDCS STRJINDC STRJIND2 STRJLABD STRJKEY

2 1 1 1 1 1

End of Comment

3	(3)	CHARACTER	1	STRJINDC	JOB INDICATORS
		.... ..1		JTXACCTN	"X'01" ACCT NO. REQUIRED.
		.... ..1.		JTXPROGN	"X'02" PROGRAMMER NAME REQUIRED.
		.... ..1..		JTXJOBFL	"X'04" JOB HAS BEEN FAILED.
		.... 1...		JTXSYSCK	"X'08" JOB HAS SYSCHK DD.
		....1		JTXCPSTF	"X'10" C/R - FLUSH TO RESTART STEPNAME.
		..1.		JTXMHEDR	"X'20" MESSAGE HEADER HAS BEEN WRITTEN.
		..1.		JTXREGDF	"X'40" REGION VALUE IS A DEFAULT.
		1...		JTXJDJCL	"X'80" JDT-DEFINED JCL APPEARS IN THIS JOB'S JCL
4	(4)	CHARACTER	1	STRJIND2	BYTE 2 OF JOB TEXT INDICATORS.
		.... ..1		JDJCLERR	"X'01" JDT-DEFINED JCL ERROR IN THIS JOB'S JCL
		.... ..1.		JBXA	"X'02" USER SWA ABOVE INDICATOR
		.... ..1..		JTXJCLV	"X'04" INDICATES JCL VERSION NUMBER CONTAINED IN JOB TEXT, STATEMENT NUMBER IN TEXT AND JDT DEFINED KEYS IN TEXT
5	(5)	CHARACTER	1	STRJLABD	BYPASS LABEL PROCESSING DEFAULT.

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
Comment						
ENTIRE BYTE IS USED, AS IEFVDA OR'S BYTE DIRECTLY INTO JFCB.						
End of Comment						
		.... ...1		JTXLABNL	"X'01" DEFAULT IS NO LABEL.	
		...1		JTXLABLP	"X'10" DEFAULT IS BYPASS LABEL PROCESSING.	
Comment						
END OF JOB TEXT STRING PREFIX						
End of Comment						
6	(6)	CHARACTER	1	STRJKEY (0)	VERB KEY FOR JOB TEXT STRING	
6	(6)	X'6'	0	STRJPFXL	"STRJKEY-TEXT" LENGTH OF JOB TEXT STRING PREFIX	
Comment						
FORMAT FOR EXEC/PROC TEXT STRINGS						
2 1 1 1						
STRLTH STRINDCS STREINDC STREKEY						
End of Comment						
3	(3)	CHARACTER	1	STREINDC	EXEC INDICATORS.	
		.... ...1		ETXCPFLG	"X'01" CHECKPT/RESTART EXEC STMT.	
		... ..1.		ETXSTPCT	"X'02" STEP HAS A STEPCAT DD.	
		.... .1..		ETXSTPLB	"X'04" STEP HAS A STEPLIB DD.	
		.... 1...		ETXPROC	"X'08" STATEMENT IS FROM A PROC.	
		...1		ETXNODD	"X'10" STEP HAS NO DD STATEMENTS.	
		..1.		ETXPRCV	"X'20" STATEMENT INVOKES A PROCEDURE.	
		.1..		ETXCOVR	"X'40" COND key - override processing	
Comment						
END OF EXEC/PROC TEXT STRING PREFIX						
End of Comment						
4	(4)	CHARACTER	1	STREKEY (0)	VERB KEY FOR EXEC/PROC TEXT STRING	
4	(4)	X'4'	0	STREPFXL	"STREKEY-TEXT" LENGTH OF EXEC/PROC TEXT STRING PFX	
Comment						
FORMAT FOR DD TEXT STRINGS						
2 1 1 1						
STRLTH STRINDCS STRDINDC STRDKEY						
End of Comment						
3	(3)	CHARACTER	1	STRDINDC	DD TEXT STRING INDICATORS.	
		.... ...1		DTXDUMMY	"X'01" DUMMY OR DSN=NULLFILE SPECIFIED ON DD AND NOT OVERRIDDEN	
		.... ..1.		DTXDDNM	"X'02" DDNAME= SPECIFIED ON STATEMENT.	
		.... .1..		DTXDNLN	"X'04" DSNAM SPECIFIED AS A LITERAL.	
		.... 1...		DTXDYNAM	"X'08" DYNAM SPECIFIED ON STATEMENT.	
		...1		DTXSYSIN	"X'10" TEXT IS FOR A SPOOLED DATA SET.	
		..1.		DTXSYOUT	"X'20" TEXT IS FOR A SYSOUT DATASET	
		.1..		DTXSUBSK	"X'40" SUBSYS= SPECIFIED ON STMT	
		1...		DTXPROC	"X'80" STATEMENT IS FROM A PROC.	
Comment						
END OF DD TEXT STRING PREFIX						
End of Comment						
4	(4)	CHARACTER	1	STRDKEY (0)	VERB KEY FOR DD TEXT STRING	
4	(4)	X'4'	0	STRDPFXL	"STRDKEY-TEXT" LENGTH OF DD TEXT STRING PREFIX	

TXTFT Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
FORMAT FOR JDT-DEFINED VERB TEXT STRINGS					
2 1 1 1					
STRLTH STRINDCS STRSINDC STRSKEY					
End of Comment					
3	(3)	CHARACTER	1	STRSINDC	JDT-DEFINED TEXT STRING FLAGS
		1...		JDXPROC	"X'80" STATEMENT IS FROM A PROC.
		.1.		JDGENST	"X'40" STATEMENT IS GENERATED
		..1.		JDRGENST	"X'20" STATEMENT IS REGENERATED
Comment					
END OF JDT-DEFINED TEXT STRING PREFIX					
End of Comment					
4	(4)	CHARACTER	1	STRSKEY (0)	VERB KEY FOR JDT TEXT STRING
4	(4)	X'4'	0	STRSPFXL	"STRSKEY-TEXT" LENGTH OF JDT-DEFINED VERB TEXT STRING PREFIX
Comment					
FORMAT FOR IF, THEN AND ELSE TEXT STRINGS PREFIX					
2 1 2 1					
STRLTH STRINDCS STRINDCE STRIKEY					
End of Comment					
5	(5)	CHARACTER	1	STRIKEY (0)	VERB KEY FOR IF, THEN AND ELSE
Comment					
END OF IF, THEN AND ELSE TEXT STRING PREFIX					
End of Comment					
5	(5)	X'5'	0	STRIPFXL	"STRIKEY-TEXT" LENGTH OF IF, THEN AND ELSE TEXT STRING PREFIX

TXTFT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DDSTR	2	4	JTXJOBFL	3	4
DTXDDNM	3	2	JTXLABLP	5	10
DTXDNSLT	3	4	JTXLABNL	5	1
DTXDUMMY	3	1	JTXMHEDR	3	20
DTXDYNAM	3	8	JTXPROGN	3	2
DTXPROC	3	80	JTXREGDF	3	40
DTXSUBSK	3	40	JTXSYSCK	3	8
DTXSYOU	3	20	LASTSTMT	2	10
DTXSYSIN	3	10	PROCSTR	2	8
ELSESTR	3	40	STRDINDC	3	
ENDIFSTR	3	20	STRDKEY	4	
ETXCOVR	3	40	STRDPFXL	4	4
ETXCPFLG	3	1	STREINDC	3	
ETXNODD	3	10	STREKEY	4	
ETXPRCV	3	20	STREPFXL	4	4
ETXPROC	3	8	STRIKEY	5	
ETXSTPCT	3	2	STRINDCE	3	
ETXSTPLB	3	4	STRINDCS	2	
EXECSTR	2	2	STRINDC1	3	
IFSTR	3	80	STRINDC2	4	
JBXA	4	2	STRINDE	2	80
JDGENST	3	40	STRIPFXL	5	5
JDJCLERR	4	1	STRJINDC	3	
JDRGENST	3	20	STRJIND2	4	
JDTJCL	2	40	STRJKEY	6	
JDVBST	2	20	STRJLABD	5	
JDXPROC	3	80	STRJPFXL	6	6
JOBSTR	2	1	STRLTH	0	
JTXACCTN	3	1	STRSINDC	3	
JTXCPSTF	3	10	STRSKEY	4	
JTXJCLV	4	4	STRSPFXL	4	4
JTXJDJCL	3	80	TEXT	0	

UCB Information

UCB Programming Interface information

Programming Interface information

UCB

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

- UCBALOC
- UCBAUTOS
- UCBCHAN
- UCBCHGS
- UCBCLEXT
- UCBDADI
- UCBDVCLS
- UCBID
- UCBMTPXP
- UCBNOCON
- UCBNRY
- UCBONLI
- UCBPRES
- UCBPUB
- UCBRESV
- UCBREW
- UCBSTND
- UCBSYSR
- UCBTBYT1
- UCBTBYT2
- UCBTBYT3
- UCBTBYT4
- UCBTYP
- UCBUNLD
- UCBUNTYP
- UCBVRDEV

End of Programming Interface information

UCB Heading Information • UCB Map

UCB Heading Information

Common Name: UCB Mapping Macro
Macro ID: IEFUCBOB
DSECT Name: UCB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: 'FFX
 Offset: 3 BYTES FROM THE BEGINNING OF THE UCB COMMON SEGMENT
 Length: 1 BYTE
Storage Attributes: Subpool: 245 (SQA/ESQA). 255 (LSQA) for UCBs captured in private.
 Key: 0
 Residency: ABOVE or BELOW depending on the device definition. A particular UCB resides above 16Mb if the device type supports UCBs above 16Mb and the installation defines the UCB to reside above 16Mb. (Captured UCBs reside below 16Mb.) If a UCB resides above 16Mb, the following shows the parts of the UCB and indicates if they are captured or not when the UCB is captured.
 UCB Common Extension - Captured - UCB Prefix Stub - Captured - UCB Common Segment - Captured
 - UCB Device Dependent Segment - Captured - Device Dependent Extension - Not Captured
 - Device Class Extension - Captured unless UIM specified DCE as shared or DCE can reside in 31 bit storage independent of LOCANY
Size: Device Class Extension : 0 to 256 bytes
 UCB Common Extension : 32 bytes for all devices
 UCB Prefix Stub : 8 bytes for all devices
 UCB Common Segment : 24 bytes for all devices
 UCB Device Dependent Segment: 0 to 24 bytes for below 16Mb devices. No limit on the size for above 16Mb devices
 Device Dependent Extension : 0 to 40 bytes
Created by: IEAIPLO3 IOSVCMUB
Pointed to by: -The UCB common segment address can be obtained by invoking UCBLook or UCBScan.
 -The UCB common extension address can be obtained by invoking IOSCMXR, IOSCMXA, UCBLook UCBCXPTR or UCBScan UCBCXPTR.
 -The UCB address located from the UCB chain field points to the UCB common segment.
 -The common segment of the first STATIC/INSTALLATION STATIC, 3-digit, below 16Mb UCB is pointed to by the CVTUCBA field of the CVT. The UCBNXUCB field of the UCB common segment points to the next STATIC/INSTALLATION STATIC, 3-digit, below 16Mb UCB on the chain.
 -The Device Class Queue (DCQ) is pointed to by the CVTDCQA field in the CVT. The first STATIC/INSTALLATION STATIC, 3-digit, below 16Mb UCB within the device class is pointed to by the DCQUCBAD field.
 -DEBUCBAD field of the DEB
 -DDRFMUCB field of the DDRCOM data area
 -DDRTOUCB field of the DDRCOM data area
 -IOSUCB field of the IOSB data area
 -IOQUCB field of the IOQ data area
 -JESUNITS field of the JESCT data area
 -PCCACHUB field of the PCCA data area (channel-detected error UCB)
 -RQEUCB field of the RQE data area
 -SSDRSFRU field of the SDDR data area
 -SSDRSTOU field of the SDDR data area
 -TCCWUCB field of the TCCW data area
 -TCTUCBP field of the TCT data area
 -TIOEFSRT field of the TIOT data area
Serialization: UCB lock, compare and swap logic, ENQ on major SYSIEFSD minor Q4.
 The method used is field dependant.
Function: This mapping describes the control block required to define an I/O device to the system.

The UCB contains all the information necessary for the device to be used for performing I/O requests and records the status of a physical I/O device represented by a subchannel.

The UCB describes the characteristics of a device to the operating system. The UCB is used by the I/O supervisor in performing I/O requests, and the job scheduler during allocation of the device. There is a UCB for each device defined in the I/O configuration. The hardware configuration definition (HCD) stores the device definition data in an I/O definition file (IODF).

UCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
-512	(-200)	STRUCTURE	0	UCB	, UCBPTR-512 (Where UCBPTR points to UCBOB)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	UCBBGN	""
-512	(-200)	SIGNED	4	(126)	Reserved
-512	(-200)	X'1F8'	0	UCBPXST	"" PREFIX stub

Comment

Prefix Stub
UCB lock word and pointer to the active IOQ element

End of Comment

-8	(-8)	SIGNED	4	UCBLOCK	Device lock word
-4	(-4)	ADDRESS	4	UCBIOQ	Address of last queuing element started, halted, or cleared for this device. This field contains a valid address only when UCBSTRT, UCBHALT, or UCBCLEAR are set on.
-4	(-4)	X'8'	0	UCBCURPX	""-UCBPXST" Actual prefix stub data length
-4	(-4)	X'200'	0	UCBPRFX	""-UCB" Total prefix area length for prefix addressability

Comment

UCB common segment

End of Comment

0	(0)	SIGNED	4	UCBOB (0)	
0	(0)	X'200'	0	UCBCMSEG	"" Start of common segment
0	(0)	BITSTRING	1	UCBJBNR	Flag byte

Comment

Fields and flags used by allocation, access methods, etc.

End of Comment

		1... ..		UCBVRDEV	"X'80" UCB for VIO device
		.1.		UCBJES3	"X'40" All volume mounting and device management for this device is controlled by JES3
		..1.		UCBDUC	"X'20" Display device unit check detected during IPL
		...1		UCBJ3DV	"X'10" Device is defined to JES3
		.... 1...		UCBOLDSM	"X'08" OLTEP communicating directly with the Mass Storage Control (MSC), not through the Mass Storage System Communicator (MSSC)
		.... .1.		UCBMMSGP	"X'04" Mount message pending. The device has been selected by device allocation, but no mount message has been issued.
		.... ..1.		UCBDCONS	"X'02" Disabled console support controls this console.
		.... ...1		UCBMONT	"X'01" Volume to be mounted is to be retained or contains a passed data set (Set by device allocation or data management)
1	(1)	BITSTRING	1	UCBFL5	Flags
		1... ..		UCBDCC	"X'80" Disconnect command chain device
		.1.		UCBAF	"X'40" Attention for this console device is to be processed by the communications task
		.1.		UCBAMV	"X'40" Successful comparison checking of the access method catalog and the VTOC (VSAM direct access devices only)
		..1.		UCBSMS	"X'20" Data management flag
		...1		UCBVSDR	"X'10" Device has variable length SDRs
		.... 1...		UCBENVRD	"X'08" Device returns environmental data
		.... ..1.		UCBNALOC	"X'04" This offline device is being used by a system component. The device status must not change to online nor will it be allocated. The last path to the device must not be VARY'ed offline. The device is unavailable for usage by another system component which processes offline devices.
		.... ...1		UCBALTCU	"X'02" Device has an alternate control unit address
		.... ...1		UCBCUIR	"X'01" Indicates whether the device is offline due to CUIR

Comment

UCB identification byte - contains hex FF

End of Comment

2	(2)	BITSTRING	1	UCBID	UCB identification (FF)
		1111 1111		UCBSTND	"X'FF" UCB identifier
		11.. 11..		UCBIDCPY	"X'CC" UCB identifier for a UCB copy
		...1 ...1		UCBGUCB	"X'11" UCB identifier for UCBs that are on the UCB chain, but have been changed from static to dynamic. These UCBs are invalid.
		...1 ..1.		UCBST1	"X'12" UCB identifier for UCBs that are used exclusively by IOS
		1111 11.1		UCBST3	"X'FD" UCB identifier for UCBs that are used exclusively by IOS

UCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Device status flags controlled by allocation, access methods, etc					
End of Comment					
3	(3)	BITSTRING 1... .. .1. .... ...1. .... ...1 1..	1	UCBSTAT UCBONLI UCBCHGS UCBRESV UCBUNLD UCBALOC UCBPRES UCBSYSR UCBDADI	Device status "X'80" Device is online "X'40" Device status is to be changed from online to offline, and either allocation is enqueued on devices or the device is allocated. (Bit 0 is also on.) "X'20" The mount status of the volume on this device is reserved "X'10" Unload operator command has been addressed to this device. The device is not yet unloaded. "X'08" Device is allocated. For auto-switchable devices, this bit indicates that the device WAS allocated by some system in the SYSPLEX at the time that Allocation last obtained the SYSPLEX allocation status. If field UCBSID is zero, the device is either allocated on another system or not allocated at all. To determine if the device is CURRENTLY allocated on the current system, check: UCBALOC equal ON AND UCBSID not equal zero. "X'04" The mount status of the volume on this device is permanently resident "X'02" System residence device or primary console or active console "X'01" Standard tape labels have been verified for this tape volume or secondary console or console status changing
Comment					
Binary device number					
End of Comment					
4	(4)	SIGNED	2	UCBCHAN	Binary device number
Comment					
IOS startability flags					
End of Comment					
6	(6)	BITSTRING	2	UCBSFLS (0)	Device status flags
6	(6)	BITSTRING	1	UCBFLA	I/O supervisor flag byte A
6	(6)	X'206'	0	UCBFL1	"UCBFLA" Alias
		1... ..		UCBDEFER	"X'80" This device is temporarily unusable. All I/O requests will be queued until UCBDEFER is reset.
		.1.		UCBNRY	"X'40" Device not ready
6	(6)	X'40'	0	UCBNOTRD	"UCBNRY" Alias
		.1.		UCBPERM	"X'20" The subchannel for this device is unusable.
		...1.		UCBPSNS	"X'10" Pending sense operation
		.... 1..		UCBSTRT	"X'08" IOS has issued a start subchannel and received condition code 0. If UCBHALT and UCBCLEAR are both off, then UCBIQ contains the address of the IOQ for this I/O request. The bit is turned off when the requestor is to be notified that the request is complete.
		.... .1..		UCBHALT	"X'04" IOS has issued a halt subchannel and received condition code 0. If UCBCLEAR is off, then UCBIQ contains the address of the IOQ associated with the halt request. The bit is turned off when the halt interrupt occurs.
		.... ..1.		UCBCLEAR	"X'02" IOS has issued a clear subchannel and received condition code 0. UCBIQ contains the address of the IOQ associated with the clear request. The bit is turned off when the clear interrupt occurs.
7	(7)	.... ..1 BITSTRING 1... ..	1	UCBBOX UCBFLB UCBINCP	"X'01" This device has been forced offline due to an error I/O supervisor flag byte B "X'80" An intercept condition exists requiring ERP processing and will be given to the next normal I/O request to the device. Intercept conditions are a result of: 1) A secondary interruption status with unit check and/or unit exception set, 2) an unsolicited interruption status with unit check and attention or device end set and the attention table entry indicates intercept, or 3) an unsolicited interruption status with unit check and the device-dependent EOS exit requests intercept.
		.1.		UCBNOPTH	"X'40" Device has no operational paths. The bit is turned off when an unsolicited interrupt occurs or is simulated.
		..1.		UCBNOCON	"X'20" Device is not connected to a subchannel
		...1.		UCBHILVL	"X'10" Non-normal UCBLEVEL value has been set
		.... 1..		UCBHDET	"X'08" HOT-I/O detected, device boxed or not recovered yet
		.... .1..		UCBIOSN	"X'04" I/O deferred waiting on synchronization I/O to complete

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
EQU X'02' Reserved - set to zero					
EQU X'01' Reserved - set to zero					
Pointer to the next UCB on the UCB chain					
End of Comment					
8	(8)	ADDRESS	4	UCBNXUCB	Address of the next UCB on the UCB chain
12	(C)	BITSTRING	1	UCBWGT	Flags
		1...		UCBIN	"X'80" SYSIN
		.1.		UCBOUT	"X'40" SYSOUT
		..1.		UCBPUB	"X'20" Assumed that this device will be allocated for a public volume request
		...1		UCBREW	"X'10" Rewind command has been addressed to this magnetic device by I/O support
		.... 1...		UCBMTPXP	"X'08" Parallel access volume
		.... .1..		UCBVORSN	"X'04" Vary command operator reason indicator
		.... ..1.		UCBVHRSN	"X'02" Vary command hierarchy reason indicator
		.... ...1		UCBVLRSN	"X'01" Vary command library reason indicator
13	(D)	CHARACTER	3	UCBNAME	Device number (EBCDIC)
Comment					
UCBTYP field - 4 bytes of device unique data					
End of Comment					
16	(10)	BITSTRING	4	UCBTYP (0)	Device type
16	(10)	BITSTRING	1	UCBTBYT1	Model bits
		1...		UCB1FEA0	"X'80" Bit 0
		.1.		UCB1FEA1	"X'40" Bit 1
		.1.		UCB1FEA2	"X'20" Bit 2
		...1		UCB1FEA3	"X'10" Bit 3
		.... 1...		UCB1FEA4	"X'08" Bit 4
		.... .1..		UCB1FEA5	"X'04" Bit 5
		.... ..1.		UCB1FEA6	"X'02" Bit 6
		.... ...1		UCB1FEA7	"X'01" Bit 7
17	(11)	BITSTRING	1	UCBTBYT2	Option flags
		1...		UCB2OPT0	"X'80" Flag 0
		.1.		UCB2OPT1	"X'40" Flag 1
		.1.		UCB2OPT2	"X'20" Flag 2
		...1		UCB2OPT3	"X'10" Flag 3
		.... 1...		UCB2OPT4	"X'08" Flag 4
		.... .1..		UCB2OPT5	"X'04" Flag 5
		.... ..1.		UCB2OPT6	"X'02" Flag 6
		.... ...1		UCBVLPWR	"X'02" Volume requires alternate power source device
		.... ...1		UCB2OPT7	"X'01" Flag 7
		.... ...1		UCBDVPWR	"X'01" Device has alternate power source
18	(12)	BITSTRING	1	UCBDVCLS (0)	Same as UCBTBYT3
18	(12)	BITSTRING	1	UCBTBYT3	Class bits
		1...		UCB3TAPE	"X'80" Tape
		.1.		UCB3COMM	"X'40" Communications
		.1.		UCB3CTC	"X'41" Channel-to-channel adapter
		.1.		UCB3DACC	"X'20" Direct access
		...1		UCB3DISP	"X'10" Display
		.... 1...		UCB3UREC	"X'08" Unit record
		.... .1..		UCB3CHAR	"X'04" Character reader
		.... ..1.		UCBRSV10	"X'02" Reserved
		.... ...1		UCBRSV11	"X'01" Reserved
19	(13)	CHARACTER	1	UCBUNTYP (0)	Same as UCBTBYT4
19	(13)	CHARACTER	1	UCBTBYT4	Device code
20	(14)	ADDRESS	4	UCBEXTPT (0)	Address of UCB common extension (Valid only for AMODE 24 modules and for UCBs which are defined below 16 Mb) IBM recommends using UCBLOOK to obtain the address of the UCB common extension.
Comment					
I/O Supervisor flag byte					
End of Comment					
20	(14)	BITSTRING	1	UCBFLC	I/O supervisor flag byte C
		1...		UCBATTP	"X'80" Attention pending
		.1.		UCBITFP	"X'40" Intercept condition pending
		..1.		UCBUDE	"X'20" Unsolicited device end received

UCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
EQU X'10' Reserved - set to zero					
End of Comment					
		.... 1..		UCBIVRS	"X'08" Intervention required message issued
		.... .1..		UCBIVRR	"X'04" Intervention required message is needed
Comment					
EQU X'02' Reserved - set to zero					
End of Comment					
21	(15)	.... .1.. ADDRESS	3	UCBDDRSW UCBEXTP	"X'01" DDR switch pending on this device Address of UCB common extension (Valid only for UCBs which are defined below 16Mb) IBM recommends using UCBLOOK to obtain the address of the UCB common extension.
21	(15)	X'200'	0	SRTEJBNR	"UCBJBNR" Alias
21	(15)	X'1'	0	SRTEMNT	"UCBMONT" Alias
21	(15)	X'203'	0	SRTESTAT	"UCBSTAT" Alias
21	(15)	X'80'	0	SRTEONLI	"UCBONLI" Alias
21	(15)	X'40'	0	SRTECHGS	"UCBCHGS" Alias
21	(15)	X'20'	0	SRTERESV	"UCBRESV" Alias
21	(15)	X'10'	0	SRTEUNLD	"UCBUNLD" Alias
21	(15)	X'8'	0	SRTEALOC	"UCBALOC" Alias
21	(15)	X'4'	0	SRTEPRES	"UCBPRES" Alias
21	(15)	X'2'	0	SRTESYSR	"UCBSYSR" Alias
21	(15)	X'1'	0	SRTEDADI	"UCBDADI" Alias
21	(15)	X'206'	0	UCBFL2	"UCBFL1" Alias
Comment					
UCB device-dependent segments start at label UCBDEV					
End of Comment					
21	(15)	X'218'	0	UCBDEV	***

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBCMEXT	,
0	(0)	SIGNED	1	UCBETI	A binary number used by the exit effector routine to complete the 8-byte name of an IBM-supplied error routine for this device
1	(1)	SIGNED	1	UCBSTI	Increment which, when multiplied by 10, becomes an index to the statistics table (STATAB)
2	(2)	BITSTRING	1	UCBFL6	Device features byte
		1..		UCBASUN	"X'80" Assign/unassign commands supported
		.1.		UCBMDISP	"X'40" Device has message display
		..1.		UCBDBUF	"X'20" Data is buffered prior to storing on permanent media
		...1		UCBIDS	"X'10" Block ID supported on this device
		.... 1..		UCBSEFLD	"X'08" Indicates whether the device supports self description
		.... .1..		UCBSMSMM	"X'04" Indicates that the device is a SMS managed mountable device
		.... .1..		UCBLERP	"X'02" Flag indicating that basic and intermediate ERP are supported for this device.
3	(3)	.... .1.. SIGNED	1	UCBIOT UCBATI	"X'01" Flag indicating that the I/O timing functions are supported for this device Index to the attention table (ANTAB) or optional job entry subsystem (JES) flag byte
		1..		UCBRSV04	"X'80" Reserved
		.1.		UCBRSV05	"X'40" Reserved
		..1.		UCBRSV06	"X'20" Reserved
		...1		UCBRSV07	"X'10" Reserved
		.... 1..		UCBRSV08	"X'08" Reserved
		.... .1..		UCBRSV09	"X'04" Reserved
		.... .1..		UCBHALI	"X'02" Optional job entry subsystem (JES) allocation indicator
		.... .1..		UCBHPDV	"X'01" Optional job entry subsystem (JES) pseudo-device
4	(4)	SIGNED	1	UCBSNSCT	Count of sense bytes presented by this device
5	(5)	BITSTRING	1	UCBFLP1	Flag byte
		1..		UCBNSRCH	"X'80" The currently allocated volume was specifically requested by volume serial number. It is not available for assignment by open/EOV for a non-specific volume request.
		.1.		UCBSHRUP	"X'40" Shareable when in uniprocessor mode

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		UCBRERP	"X'20" Resident error routine
		...1		UCBINHIO	"X'10" Inhibit halt subchannel from SVC 33
		.... 1..		UCBSWAPF	"X'08" With bit set, the device is able to be swapped
		.... ..1.		UCBERLOG	"X'04" Indicates presence of an error log in a device
		.... ..1.		UCBDYNPH	"X'02" If 1,dynamic pathing availability is an optional feature for this device
		.... ..1		UCBRALOC	"X'01" Allocations to this device are restricted
6	(6)	CHARACTER	1	UCBSTLI	Statistics table lookup index
7	(7)	BITSTRING	1	UCBFL7	Miscellaneous usage flags
		1..		UCBMASGN	"X'80" Multi-system assign done
		..1.		UCBSSPND	"X'40" Suspended channel program
		..1.		UCBAUTOS	"X'20" Device is auto-switchable
		...1		UCBNOSEL	"X'10" Allocation should attempt to select a different device
		.... 1..		UCBEIDAW	"X'08" 4K 8Byte IDAWs supported by device support code
		.... ..1.		UCBASAFH	"X'04" This device is assigned to a foreign host
		.... ..1.		UCBPRUN	"X'02" This tape device is in unallocation processing - vary offline should not take it offline at this time. Unallocation recovery also uses this flag to know when UCB cleanup might still need to be done.
		.... ..1		UCBPONLI	"X'01" For use by Allocation only
8	(8)	ADDRESS	4	UCBIEXT	Pointer to IOS UCB extension
12	(C)	BITSTRING	1	UCBCHPRM	Channel path recovery mask
13	(D)	SIGNED	1	UCBSATI	Attention table index saved by the scheduler
14	(E)	SIGNED	2	UCBASID	ASID of the memory to which this device is allocated with the following exceptions: <ul style="list-style-type: none"> o For unallocated tape, the ASID of the last memory to which this device was allocated. o For auto-switchable devices, UCBASID will be zero when the device is not allocated to the current system.
16	(10)	SIGNED	4	UCBWTOWD (0)	WTO word
16	(10)	BITSTRING	1		Reserved
17	(11)	CHARACTER	3	UCBWTOID	WTO message identifier
20	(14)	ADDRESS	4	UCBDDT (0)	Address of device descriptor table (DDT) associated with UCB
20	(14)	SIGNED	2	UCBDDTI	Contains DDT name list index during IPL processing
22	(16)	SIGNED	2		Remainder of DDT address
24	(18)	ADDRESS	4	UCBCLEXT	Pointer to device class extension. IBM recommends using IOSDCXR to obtain the address of the device class extension.
28	(1C)	SIGNED	2	UCBDCTOF	Device connect time Overflow counter
30	(1E)	BITSTRING	1	UCBCSFLG	Miscellaneous flags which should be serialized by compare and swap.
		1..		UCBNCC3	"X'80" Indicates that IOS marked the device offline during NIP because at least one path was found not operational. Used to determine if an XCF CTC should be marked online by IECVIOPM
		..1.		UCBHSWAP	"X'40" The device is enabled for Hyperswaps
		..1.		UCBDRSN	"X'20" Indicates that the device is offline by request of the device service exit (function call 1).
		...1		UCBALLFC	"X'10" Indicates if all channels to the device are Ficon channels. (i.e. Channel type is FICON POINT TO POINT , FICON SWITCHED, or FICON INCOMPLETE.)
		.... 1..		UCBONEFC	"X'08" Indicates if at least one of the device's channels is Ficon.
		.... ..1.		UCBCNPTH	"X'04" Indicates that a no operational paths condition exists. This bit will be set by IOSVIRBU when an unsolicited interrupt is received and UCBNOPTH is on. It will be reset when unsolicited interrupt processing is complete.
		.... ..1.		UCBMIDAW	"X'02" Indicates that MIDAWs are supported for this device. Programs should check this bit each time they build a channel program because it may change between I/O requests.
		.... ..1		UCBFCX	"X'01" Indicates that FICON Channel Extensions (FCX) (i.e., High Performance FICON) is supported for this device
30	(1E)	X'1'	0	UCBZHPF	"UCBFCX" Alternate name for UCBFCX
31	(1F)	BITSTRING	1	UCBFL8	Miscellaneous usage flags
		1..		UCBSPECL	"X'80" Indicates that a device is marked as special. This will be used to define non-PAV aliases in the alternate Subchannel Set.
		..1.		UCBSCDRY	"X'40" Indicates that a device is a secondary device in the alternate Subchannel Set. Note: UCBSPECL must be on if this indicator is on
		..1.		UCBPRRSN	"X'20" Indicates that the device is boxed because it is a primary in the wrong subchannel set as of the last DSE1
		...1		UCBSMRSN	"X'10" Indicates that the device is offline because it is a simplex in the wrong subchannel set as of the last DSE1

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	UCB	
536	(218)	CHARACTER	4	UCBVTOC	Relative address of VTOC for this volume, in form TTR0
540	(21C)	CHARACTER	6	UCBVOLI	Volume serial number
546	(222)	BITSTRING	1	UCBSTAB	Volume status
		1..		UCBBSVL	"X'80" Volume demountable by data management (direct access)

UCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		UCBDVSHR	"X'80" Device not shareable among several CPUs (3420 magnetic tape devices only)
		.1..		UCBPGFL	"X'40" UCB is open and is being used as a page file
		.1.		UCBPRSRS	"X'20" During volume attribute processing this bit is used both to denote UCBs that were marked permanently resident prior to getting control and to identify devices that were selected by the operator for mounting volumes (direct access)
		..1.		UCBBALB	"X'20" Additional volume label processing (tape)
		...1		UCBBPRV	"X'10" Private - volume use status
		.... 1..		UCBBPUB	"X'08" Public - volume use status
		.... .1.		UCBBSTR	"X'04" Storage - volume use status (direct access) The volume mounted has an American National Standard Label (tape)
		.... ..1.		UCBSHAR	"X'02" Volume shareable among job steps
		.... ...1		UCBBNUL	"X'01" Control volume - A catalog data set is on this volume (direct access). If the multiple console support option is in the system, demount or mount messages have been issued and the message ID's are at offsets 40 through 45. Open will delete the messages and turn this bit off. (tape)
547	(223)	BITSTRING	1	UCBDMCT	Volume use byte
		1...		UCBMOUNT	"X'80" If 0, a mount verification has been performed. If 1, a mount request has been issued. (direct access) For tape, the following meanings apply. Normal scheduler processing - If 0, no volume has been mounted. If 1, a volume has been mounted but no volume label processing has been performed. SL open routine - If 0, standard volume label and correct serial number have been verified. If 1, volume label is not standard format or serial number is not correct. (A mount message has been issued.) NSL open routine - If 0, non-standard volume label has been verified. If 1, volume label is not standard format. (Control passes to the processing program's non-standard label processing routine.) Volume label is standard format. (Control remains with the open routine. A mount message has been issued.) BLP open routine - If 0, volume label has not been processed.
		.111 1111		UCBDMC	"X'7F" Number of DCB's open for this volume
547	(223)	X'224'	0	UCBDATP	*** End of common direct access/tape area
548	(224)	SIGNED	1	UCBSQC	Number of reserve macro instructions issued
549	(225)	BITSTRING	1	UCBFL4	Direct access flag byte
		1...		UCBMDSE1	"X'80" DSE1 is required during MSI
		.1..		UCBWDVA	"X'40" DAVV waiting for mount
		..1.		UCBDPAVB	"X'20" PAV-base capable device
		...1		UCBDPAVA	"X'10" PAV-alias device
		.... 1..		UCBSDSE1	"X'08" DSE1 is required during SIO
		.... .1.		UCBDCMBU	"X'04" CMB update required
		.... ..1.		UCBDPAVH	"X'02" HiperPAV base or alias device
550	(226)	SIGNED	2	UCBUSER	Number of current users
550	(226)	X'226'	0	SRTEUSER	"UCBUSER" Alias
552	(228)	BITSTRING	1	UCBOBS1X (0)	Device dependent seg extension

Comment

The data area for the following fields exist for PAV-capable base devices (UCBDPAVB = '1'B) and for PAV alias devices (UCBDPAVA = '1'B).
 The use of these fields are restricted and are not intended to be programming interfaces as the values can dynamically change.
 To obtain PAV information use UCBINFORM PAVINFO.
 The PAVINFO returned data is mapped by IOSDPAVA.

End of Comment

552	(228)	ADDRESS	4	UCBBASE	Address of base exposure UCB
556	(22C)	ADDRESS	4	UCBNEXP	Base - address of first exposure
560	(230)	BITSTRING	8	UCBPAVBI	Reserved for IOS use
560	(230)	X'21C'	0	SRTEVOLI	"UCBVOLI" Alias
560	(230)	X'222'	0	SRTESTAB	"UCBSTAB" Alias
560	(230)	X'80'	0	SRTEBSVL	"UCBBSVL" Alias
560	(230)	X'20'	0	SRTEBALB	"UCBBALB" Alias
560	(230)	X'10'	0	SRTEBPRV	"UCBBPRV" Alias
560	(230)	X'8'	0	SRTEBPUB	"UCBBPUB" Alias
560	(230)	X'4'	0	SRTEBSTR	"UCBBSTR" Alias
560	(230)	X'4'	0	SRTEASCI	"UCBBSTR" Alias
560	(230)	X'4'	0	UCBASCI	"SRTEASCI" Alias
560	(230)	X'4'	0	SRTEBVQS	"SRTEBSTR" Alias
560	(230)	X'1'	0	SRTEBNUL	"UCBBNUL" Alias
560	(230)	X'223'	0	SRTEDMCT	"UCBDMCT" Alias

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
%UCBDA3; DASD UCBTYP flags and values (IECDUCBD) These flags and values are valid only when UCBDVCLS (UCBTBYT3) is set to UCB3DACC. %GOTO UCBDA4; UCBTBYT2 flags					
End of Comment					

..1.	UCBRR	"X'20" This device is shareable between two CPUs
...1	UCBRPS	"X'10" Rotational Position Sensing (RPS) device
.... 1...	UCBRVDEV	"X'08" If 0, real device. If 1, virtual device

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	SIGNED	2	UCBFSCCT	Data set sequence count
538	(21A)	SIGNED	2	UCBFSEQ	Data set sequence number
540	(21C)	CHARACTER	8	UCBVOLI	UCBVOLI, UCBSTAB and UCBDMCT as in direct access segment
540	(21C)	X'218'	0	SRTEFSCT	"UCBFSCCT" Alias
540	(21C)	X'21A'	0	SRTEFSEQ	"UCBFSEQ" Alias
548	(224)	CHARACTER	6	UCBFSEF	Before open, message IDs. See UCBSTAB bit 7. After open, data set serial number
554	(22A)	BITSTRING	1	UCBTFL2	Flag byte
		1...		UCBTXMS	"X'80" Extended mode set supported
		.1.		UCBTPSF	"X'40" Perform Subsystem Function command supported
		..1.		UCBTVCMP	"X'20" Volume contains compacted data
		...1		UCBTLPOS	"X'10" ERP detected permanent error - tape position unknown
555	(22B)	BITSTRING	1	UCBTFL1	Flag byte
		1...		UCBNLTP	"X'80" Tape volume does not contain labels
		.1.		UCBNLTP	"X'40" Tape contains non-standard labels
		..1.		UCBDQDSP	"X'20" Dequeue tape volume when demounted
		...1 1...		UCBTFL1S	"X'18" UCBTFL1 bits swapped by DDR
		...1		UCBRV005	"X'10" Unused
		.... 1...		UCBCSL	"X'08" ACL feature present swapped by DDR
		.... .1.		UCBCSLAC	"X'04" ACL active
		.... ..1.		UCBLKAHP	"X'02" Lookahead mount pending
		.... ...1		UCBBLP	"X'01" Bypass label processing
556	(22C)	ADDRESS	4	UCBXTN (0)	- ADDRESS OF THE MAGNETIC TAPE UCB EXTENSION

Comment

UCBVOPT MAPPING ADDED WITH APAR OY25849

End of Comment					
556	(22C)	BITSTRING	1	UCBVOPT	- VOLUME STATISTICS OPTION BITS
		1...		UCBESV	"X'80" - ERROR STATISTICS BY VOLUME (ESV) RECORDS KEPT
		.1.		UCBEVA	"X'40" - ERROR VOLUME ANALYSIS (EVA) RECORDS KEPT
		..1.		UCBESVC	"X'20" - IF 0, ESV RECORDS SENT TO SYS1.MAN (X OR Y) DATA SET. IF 1, ESV RECORDS SENT TO CONSOLE.
		...1		UCBERPC	"X'10" - AN ERROR RECOVERY PROCEDURE HAS CONTROL
		.... 1...		UCBESVE	"X'08" - AN ESV RECORD HAS BEEN ISSUED FOR THIS VOLUME BECAUSE OF AN EOVS CONDITION
		.... .1.		UCBPERR	"X'04" - ERP DETECTED PERM ERROR. TAPE POSITION UNKNOWN.
		.... ..1.		UCBRSV21	"X'02', 'C'X" - RESERVED
		.... ...1		UCBRSV22	"X'01', 'C'X" - RESERVED
557	(22D)	ADDRESS	3	UCBXTNB	Address of the Segment Extension ..This pointer is valid if the ..UCB is genned below the line. ..Otherwise the pointer will be ..zero.

Comment

Magnetic Tape (device) Dependent Segment Extension
 This extension mapping has been moved to render the TDS and the TDE contiguous. For details see INVOCATION in the prologue.

End of Comment					
560	(230)	SIGNED	2	UCBMT (0)	UCBXTNB -> UCBMT (ONLY if UCB ..is genned below the line. ..Otherwise the pointer is 0

UCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
560	(230)	SIGNED	2	UCBCTD	Serial number in binary of tape drive upon which the volume was created
562	(232)	SIGNED	1	UCBOBRID	Outboard recorder ID
563	(233)	SIGNED	1	UCBMDRID	Miscellaneous data record ID
564	(234)	SIGNED	1	UCBTR	The number (binary) of temporary read errors that have occurred
564	(234)	BITSTRING	1	UCBMTFL1	MSGDISP dismount request
		1...		UCBMTD5M	"X'80" DISP=D (dismount)
		.1...		UCBMTKEP	"X'40" DISP=K (keep)
		..1.		UCBMTRET	"X'20" DISP=R (retain)
565	(235)	SIGNED	1	UCBTW	The number (binary) of temporary write errors that have occurred
566	(236)	SIGNED	2	UCBSIO	The number (binary) of start I/O operations that have occurred. A new 4-byte field has been created in the Tape Device Class Extension mapped by IECUCBCX. The UCBSIO field tends to overflow on higher capacity tape drives. The new field is UCBCX_SIO. Both fields are incremented by the Tape Trap exit (IECTTRAP).
568	(238)	SIGNED	1	UCBPR	The number (binary) of permanent read errors that have occurred
569	(239)	SIGNED	1	UCBPW	The number (binary) of permanent write errors that have occurred
570	(23A)	CHARACTER	6	UCBSER (0)	Used for tape drives that have a message display - Usage during dismount processing only - serial of dismounted volume
570	(23A)	SIGNED	1	UCBNB	The number (binary) of noise blocks that have been encountered
571	(23B)	CHARACTER	1	UCBMS	Mode set operation code for data blocks on a 3420 magnetic tape unit
572	(23C)	SIGNED	2	UCBERG	The number (binary) of erase gaps that have been encountered
574	(23E)	SIGNED	2	UCBCLN	The number (binary) of cleaner actions that have occurred

Comment

%UCBMT3 ;

Magnetic tape UCBTYP flags and values (IECDUCBT)
 These flags and values are valid only when UCBDVCLS
 (UCBTBYT3) is set to UCB3TAPE.

%GOTO UCBMT4;
 UCBTBYT1 flags

End of Comment

....	.1..	UCBD1600	"X'04" 1600 BPI
....	..1.	UCBD6250	"X'02" 6250 BPI

Comment

UCBTBYT2 flags

End of Comment

..1.	....	UCBDUDN1	"X'20" Dual density 800/1600 BPI
...1	....	UCBDUDN2	"X'10" Dual density 1600/6250 BPI
....	1..	UCBRWTAU	"X'08" Read/write tape control
....	..1.	UCBCOMPA	"X'04" - Compaction feature

Comment

UCBTBYT4 (UCBUNTYP) values

End of Comment

....	..11	UCB3400	"X'03" 3400 magnetic tape
1..	..1.	UCB3423	"X'82" 3423 magnetic tape
1..	....	UCB3480	"X'80" 3480 magnetic tape
1..	...1	UCB3490	"X'81" 3490 magnetic tape
1..	..11	UCB3591	"X'83" 3590 magnetic tape

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBXTADR	Address of UCS UCB extension (1403 or 3211) or address of optical character reader UCB extension (3886) or address of 3540 device UCB extension or address of 3800 UCB extension

Comment

%UCBUR3;

3851 or 3838 device dependent segment (IECDUCBU)

%GOTO UCBUR4;

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
536	(218)	ADDRESS	4	UCBIOSBA	Address of IOSB. Set by IOS for error conditions.
540	(21C)	ADDRESS	4	UCBRV066 (0)	Reserved - set to zero
540	(21C)	ADDRESS	4	UCBAPUB	3838 VPSS APUB address

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCBOCR	, UCBXTADR -> UCBOCR
0	(0)	CHARACTER	4	UCBFRID	Current format record ID (FRID) loaded
4	(4)	BITSTRING	4	UCBRDATA	Command data

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB3540X	, UCBXTADR -> UCB3540X
0	(0)	CHARACTER	6	UCBVLSE	3540 VOLID
6	(6)	BITSTRING	1	UCBDKBYT	Flag byte
		1...		UCBDKAMX	"X'80" IBM-supplied diskette reader, diskette writer or copy/restore utilities are using this 3540 device
		.1..		UCBVLVER	"X'40" Volume verification is required for certain intervention required conditions while 3540 diskette utilities are using the device
		..1.		UCBRV067	"X'20" Reserved - set to zero
		...1		UCBRV068	"X'10" Reserved - set to zero
		.... 1...		UCBRV069	"X'08" Reserved - set to zero
		.... .1..		UCBRV070	"X'04" Reserved - set to zero
		.... ..1.		UCBRV071	"X'02" Reserved - set to zero
		.... ...1		UCBRV072	"X'01" Reserved - set to zero
7	(7)	CHARACTER	1	UCBRV073	Reserved - set to zero

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB3800X	, UCBXTADR -> UCB3800X
0	(0)	BITSTRING	1	UCBOPTNS	Optional features installed on printer
		1111		UCBMDLBT	"X'F0" Model
		.... 1...		UCBRV055	"X'08" Reserved - set to zero
		.... .1..		UCBRV056	"X'04" Reserved - set to zero
		.... ..1.		UCBBRSTR	"X'02" Burster/trimmer/stacker
		.... ...1		UCBRV083	"X'01" Reserved - set to zero
1	(1)	SIGNED	1	UCBCGMNO	Number of writeable character generation modules
2	(2)	BITSTRING	1	UCBGRAFS	Graphic character flag byte
		1...		UCBRV046	"X'80" Reserved - set to zero
		.1..		UCBRV047	"X'40" Reserved - set to zero
		..1.		UCBRV048	"X'20" Reserved - set to zero
		.... 1...		UCBRV049	"X'10" Reserved - set to zero
		.... 1...		UCBGRAF0	"X'08" WCGM 0 has been modified by a graphic character modification
		.... .1..		UCBGRAF1	"X'04" WCGM 1 has been modified by a graphic character modification
		.... ..1.		UCBGRAF2	"X'02" WCGM 2 has been modified by a graphic character modification
		.... ...1		UCBGRAF3	"X'01" WCGM 3 has been modified by a graphic character modification
3	(3)	BITSTRING	1	UCBACTIV	Active features
		1...		UCBRV057	"X'80" Reserved - set to zero
		.1..		UCBRV058	"X'40" Reserved - set to zero
		..1.		UCBRV059	"X'20" Reserved - set to zero
		...1		UCBRV060	"X'10" Reserved - set to zero
		.... 1...		UCBRV061	"X'08" Reserved - set to zero
		.... .1..		UCBRV062	"X'04" Reserved - set to zero
		.... ..1.		UCBRV063	"X'02" Reserved - set to zero
		.... ...1		UCBBRSTA	"X'01" Reserved - set to zero
4	(4)	CHARACTER	4	UCBCGMID	Four one byte ID's for character modules loaded in writeable character generation modules (WCGM'S)
8	(8)	CHARACTER	4	UCBCHAR1	Name of first translate table
12	(C)	CHARACTER	4	UCBCHAR2	Name of second translate table
16	(10)	CHARACTER	4	UCBCHAR3	Name of third translate table
20	(14)	CHARACTER	4	UCBCHAR4	Name of fourth translate table
24	(18)	CHARACTER	4	UCBFCBNM	Forms control buffer (FCB) image name
28	(1C)	CHARACTER	4	UCBIMAGE	Forms overlay image identification
32	(20)	SIGNED	2	UCBLDATA	Lost data page count
34	(22)	SIGNED	2	UCBPGID	ID of the last fused page for system restart or page at the transfer station for cancel key
36	(24)	ADDRESS	4	UCBMDRBF (0)	Miscellaneous data recording (MDR) buffer address
36	(24)	SIGNED	1	UCBRV075	Reserved - set to zero

UCB Map

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		37	(25)	ADDRESS	3	UCBMDRBA	MDR buffer address

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		0	(0)	STRUCTURE	0	UCBUCS	, UCBXTADR -> UCBUCS
		0	(0)	CHARACTER	4	UCBUCSID	UCS image identification in buffer
		4	(4)	BITSTRING	1	UCBUCSOP	Format of UCS image in buffer (O for option)
				1... ..		UCBUCSO1	"X'80" UCS image is a default image
				.1.		UCBUCSO2	"X'40" UCS image is in fold mode
				..1.		UCBRSV39	"X'20" Reserved - set to zero
				...1		UCBRSV40	"X'10" Reserved - set to zero
				.... 1..		UCBRSV41	"X'08" Reserved - set to zero
				.... .1.		UCBRSV42	"X'04" Reserved - set to zero
				.... ..1.		UCBRSV43	"X'02" Reserved - set to zero
				.... ...1		UCBUCSPE	"X'01" UCS image has parity error (3211)
		5	(5)	BITSTRING	1	UCBFCBOP	Reserved (1403) or FCB options (3211) (O for option)
				1... ..		UCBFCBO1	"X'80" FCB image is a default image
				.1.		UCBRSV44	"X'40" Reserved - set to zero
				..1.		UCBRSV45	"X'20" Reserved - set to zero
				...1		UCBRSV46	"X'10" Reserved - set to zero
				.... 11..		UCBFCBPS	"X'0C" Printer speed setting for a variable speed printer 01 - low speed 10 - medium speed 11 - high speed
				.... ..1.		UCBRSV49	"X'02" Reserved - set to zero
				.... ...1		UCBFCBPE	"X'01" FCB image has parity error
		6	(6)	BITSTRING	1	UCBRSV51	Reserved - set to zero
		7	(7)	SIGNED	1	UCBERCNT	Contains a count of the errors that have occurred. The count, which may wrap around, is written in standard OBR records (one per error) and in new device dependent OBR records (0 to 3 per error) and serve to relate to each other the standard and device dependent OBR records that pertain to each error (3211)
		8	(8)	CHARACTER	4	UCBFCBID	The FCB image identification
		12	(C)	ADDRESS	4	UCBERADR	The address of the ERP logout area
		16	(10)	CHARACTER	2	UCBIPGID	Impact printer page ID for last good page after lost data condition
		18	(12)	SIGNED	2	UCBPDCTO	Offset to printer device characteristics table (PDCT) from UCBUCS

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		0	(0)	STRUCTURE	0	UCBPDCTA	Printer device characteristics table (PDCT) area. (The PDCT resides in the UCS extension. However, its address must be computed by adding the value in UCBPDCTO to the address of UCBUCS.)
		0	(0)	CHARACTER	16	UCBPDCT	Printer device characteristics table (PDCT), mapped by mapping macro IGGPDC

Comment

%UCBUR13;
 Unit Record UCBTYP flags and values (IECDUCBU)
 These flags and values are valid only when UCBDVCLS
 (UCBTBYT3) is set to UCB3UREC.

%GOTO UCBUR14;
 UCBUNTYP (UCBTBYT4) Flag Byte
 EQU X'08' 1403 Printer

End of Comment

.... 1..1	UCB3211	"X'09" 3211 Printer
.... 111.	UCB3800	"X'0E" 3800 Printing Subsystem
.... 1111	UCBAFP1	"X'0F" Printer support
...1 ...1	UCB3263	"X'11" 3263 Printer
...1 ...1	UCB4245	"X'11" 4245 Printer
...1 ..11	UCB4248	"X'13" 4248 Printer
...1 1..1	UCB3895	"X'19" 3895 device
..11 1..1	UCBDIR	"X'3A" ESCON or FICON Director
.1.. ..1.	UCBDSM	"X'42" Mass Storage Control (MSC) (3851) (no longer supported)
.1.. 11..	UCB3838	"X'4C" 3838 Array Processor

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		0	(0)	STRUCTURE	0	UCB	
		536	(218)	SIGNED	2	UCBSTART	Last start address
		538	(21A)	SIGNED	1	UCBOPEN	Number of DCB's that are currently open for this device

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
539	(21B)	CHARACTER	1	UCBGCB	Graphic control byte used for attention handling
540	(21C)	ADDRESS	4	UCBTBE	Address of Task Entry (TE) block
544	(220)	BITSTRING	4	UCBSNS	Sense information
548	(224)	ADDRESS	4	UCBBTA (0)	Address of buffer table
548	(224)	SIGNED	1	UCBDI	Device or devices on a control unit to which buffer sections are assigned
549	(225)	ADDRESS	3	UCBBTB	Address of buffer table
Comment					
%UCBGR3; 3270 Graphics device dependent segment (IECDUCBG)					
%GOTO UCBGR4;					
End of Comment					
536	(218)	BITSTRING	2	UCBAOF (0)	Additional optional features. An extension of the optional features byte of the UCBTYP field.
536	(218)	BITSTRING	1	UCBAOF1	First byte of UCBAOF
		1... ..		UCBOFMCR	"X'80" Magnetic card reader adapter (for 3277 only)
		.1.		UCBOFSP	"X'40" Selector pen - for 3277 only
		..1.		UCBOFNL	"X'20" Numeric lock - for 3277 only
		...1		UCBOFPTR	"X'10" Prepare to read feature
		.... 1...		UCBRSV65	"X'08" Reserved - set to zero
		.... .1.		UCBRSV66	"X'04" Reserved - set to zero
		.... ..1.		UCBRSV67	"X'02" Reserved - set to zero
		.... ...1		UCBRSV68	"X'01" Reserved - set to zero
537	(219)	BITSTRING	1	UCBAOF2	Second byte of UCBAOF
		1... ..		UCBRSV69	"X'80" Reserved - set to zero
		.1.		UCBRSV70	"X'40" Reserved - set to zero
		..1.		UCBRSV71	"X'20" Reserved - set to zero
		...1		UCBRSV72	"X'10" Reserved - set to zero
		.... 1...		UCBRSV73	"X'08" Reserved - set to zero
		.... .1.		UCBRSV74	"X'04" Reserved - set to zero
		.... ..1.		UCBRSV75	"X'02" Reserved - set to zero
		.... ...1		UCBRSV76	"X'01" Reserved - set to zero
538	(21A)	SIGNED	1	UCBATNCT	Attention count. The number of attentions not serviced in the line group. Present only if the device index field is 1. Otherwise, this field is reserved.
539	(21B)	BITSTRING	1		UCBGCB - control byte. Used for attention handling flags
		1... ..		UCBOLTEP	"X'80" OLTEP in control of the device
		.1.		UCBRSV77	"X'40" Reserved - set to zero
		..1.		UCBRSV78	"X'20" Reserved - set to zero
		...1		UCBRSV79	"X'10" Reserved - set to zero
		.... 1...		UCBRTIAC	"X'08" Read TI active
		.... .1.		UCBRIPND	"X'04" Read initial pending
		.... ..1.		UCBSKPFPG	"X'02" Skip flag
		.... ...1		UCBATRCD	"X'01" Attention received from the device
540	(21C)	ADDRESS	4	UCBIRB (0)	Address of the IRB used for scheduling the second level attention routine
540	(21C)	BITSTRING	1	UCBGRAF	Graphics status flags (BTAM)
		1... ..		UCBOIP	"X'80" Open is in progress
		.1.		UCBDRO	"X'40" Device ready in open
		..1.		UCBDRNO	"X'20" Device ready - not in open
		...1		UCBBTAM	"X'10" Use BTAM - IGG019UP
		.... 1...		UCBUPM	"X'08" Use provided module
		.... .1.		UCBRPND	"X'04" Ready processing not done
		.... ..1.		UCBDWNR	"X'02" Device went not ready
		.... ...1		UCBRV039	"X'01" Reserved - BTAM
541	(21D)	ADDRESS	3	UCBIRBA	Address of the IRB used for scheduling the second level attention routine
544	(220)	ADDRESS	4	UCBLDNCA (0)	Address of 3270 work area established by VTAM
544	(220)	ADDRESS	4	UCBRDYQ (0)	Asynchronous ready notification IRB address (BTAM)
544	(220)	SIGNED	1	UCBINRLN (0)	Same as UCBIRLN
544	(220)	SIGNED	1	UCBIRLN	Initialized RLN. The relative line number (RLN) of the IOB initialized for a read initial. If 0, no read initial is outstanding. Present only if the device index field is 1. Otherwise, this field is reserved.
545	(221)	ADDRESS	3	UCBLDNCB (0)	Address of 3270 work area established by VTAM
545	(221)	ADDRESS	3	UCBRDYQA	Asynchronous ready notification IRB address (BTAM)
548	(224)	ADDRESS	4	UCBCTLNK (0)	Same as UCBCTLNA below
548	(224)	SIGNED	1	UCBRLN	Device index. Index to the DEB UCB address field for this device. This value is also the relative line number.
549	(225)	ADDRESS	3	UCBCTLNA	Control block link. If the device index field is 1, this field contains the address of the DEB for the line group. If the device index field is between 2 and 255 inclusive, this field contains the address of the UCB with a device index of 1.

UCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBRV040	Reserved for use as teleprocessing extension pointer
540	(21C)	ADDRESS	4	UCBICNCB	Pointer to VTAM's ICNCB

Comment

%UCBCO3;

Communication Equipment UCBTYP flags and values (IECDUCBE)

These flags and values are valid only when UCBDVCLS

(UCBTBYT3) is set to UCB3COMM.

%GOTO UCBCO4;

UCBTBYT4 Flag Byte

End of Comment

1111	...	...	UCB3791L	"X'F1" 3791 Local control unit
...	...	...	UCB42AD1	"X'11" 2702 Control unit with type 1 adapter

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBCTCAD (0)	Address of an SRB/IOCB to be used for sense command byte by IECTCATN if UCBCTC80 bit is set to zero
536	(218)	ADDRESS	4	UCBCTCAL	Address of JES3 routine for switching to alternate path CTC if UCBCTC80 bit is set to one
540	(21C)	BITSTRING	1	UCBCTCF1	Channel-to-channel (CTC) device flag byte
		1... ..		UCBCTC80	"X'80" If this bit is on, above word has UCBCTCAL meaning. If this bit is off, above word has UCBCTCAD meaning.
		.1... ..		UCBRV076	"X'40" Reserved for CTC owner
		..1... ..		UCBRV077	"X'20" Reserved for CTC owner
		...1... ..		UCBRV078	"X'10" Reserved for CTC owner
		.... 1...		UCBRV079	"X'08" Reserved for CTC owner
		.... .1..		UCBRV080	"X'04" Reserved for CTC owner
		.... ..1.		UCBRV081	"X'02" Reserved for CTC owner
		.... ...1		UCBRV082	"X'01" Reserved for CTC owner
541	(21D)	BITSTRING	3	UCBRV042	Reserved for CTC owner
544	(220)	ADDRESS	4	UCBCTCWA	IECTCATN work area address
548	(224)	ADDRESS	4	UCBCTCF2 (0)	IOS CTC Flags, serialized via compare and swap

Comment

Map out bytes of F2 field

End of Comment

548	(224)	BITSTRING	1	UCBCF2B0	First byte of IOS CTC flags
		1... ..		UCBCCLAW	"X'80" CTC owner is using CLAW protocol, never ending channel programs
		1... ..		UCBNORMF	"X'80" Prevent RMF from issuing asynch MSCH for device
		.1... ..		UCBCABYP	"X'40" If set, bypass attention routine processing and post the caller's abnormal exit when attention+busy device status is received.
		..1... ..		UCBCEMUA	"X'20" CTC owner has indicated that device emulation is active
		...1... ..		UCBCDIAG	"X'10" Diagnostic command is supported for CTC ERP processing

Comment

EQU X'0F' Reserved

End of Comment

549	(225)	BITSTRING	1	UCBCF2B1	Second byte of IOS CTC flags
550	(226)	BITSTRING	1	UCBCF2B2	Third byte of IOS CTC flags
551	(227)	BITSTRING	1	UCBCDCMD	FCTC Debug cmd code (flag byte3)

Comment

LAST BYTE OF THE CTCF2 FULLWORD IS RESERVED FOR THE OP CODE OF THE

CTC DIAGNOSTIC FORCE NON-DISRUPTIVE LOG COMMAND @L5A

UCBTBYT4 mapping

End of Comment

.... ..	UCBPCTC	"X'00" Parallel CTC
.... ..1	UCBSCTC	"X'01" Serial CTC
.... ..1.	UCBBCTC	"X'02" Basic Mode ESCON CTC
.... ..11	UCBRS6K	"X'03" RS6000 acting like a CTC

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		UCB3172	"X'04" 3172 acting like a CTC
		.... .1.1		UCBOSA	"X'05" OSA device
		.... .11.		UCBOSAD	"X'06" OSA diagnostic device
		.... .111		UCBIQD	"X'07" Internal Queued Direct Communications Device
		.... 1...		UCBOSN	"X'08" OSA NCP (OSN) device
		.... 1..1		UCBOSX	"X'09" OSX (OSA zBX Data Network)
		.... 1.1.		UCBOSM	"X'0A" OSM (OSA zBX Management Network)
		.... 1111		UCBOSAF	"X'0F" OSA reserved device types B-F
		..1.		UCBFCTC	"X'20" FICON CTC
		..1. ...1		UCBFBRC	"X'21" Fabric discovery device

UCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SRTEALOC	15	8	UCBBOX	6	1
SRTEASCI	230	4	UCBBPRV	222	10
SRTEBALB	230	20	UCBBPUB	222	8
SRTEBNUL	230	1	UCBBRSTA	3	1
SRTEBPRV	230	10	UCBBRSTR	0	2
SRTEBPUB	230	8	UCBBSTR	222	4
SRTEBSTR	230	4	UCBBSVL	222	80
SRTEBSVL	230	80	UCBBTA	224	
SRTEBVQS	230	4	UCBBTAM	21C	10
SRTECHGS	15	40	UCBBTB	225	
SRTEDADI	15	1	UCBCABYP	224	40
SRTEDMCT	230	223	UCBCCLAW	224	80
SRTEFSCT	21C	218	UCBCDCMD	227	
SRTEFSEQ	21C	21A	UCBCDIAG	224	10
SRTEJBNR	15	200	UCBCEMUA	224	20
SRTEMNT	15	1	UCBCF2B0	224	
SRTEONLI	15	80	UCBCF2B1	225	
SRTEPRES	15	4	UCBCF2B2	226	
SRTERESV	15	20	UCBCGMID	4	
SRTESTAB	230	222	UCBCGMNO	1	
SRTESTAT	15	203	UCBCHAN	4	
SRTESYSR	15	2	UCBCHAR1	8	
SRTEUNLD	15	10	UCBCHAR2	C	
SRTEUSER	226	226	UCBCHAR3	10	
SRTEVOLI	230	21C	UCBCHAR4	14	
UCB	-200		UCBCHGS	3	40
UCB	0		UCBCHPRM	C	
UCB	0		UCBCLEAR	6	2
UCB	0		UCBCLEXT	18	
UCB	0		UCBCLN	23E	
UCB	0		UCBCMEXT	0	
UCB	0		UCBCMSEG	0	200
UCBACTIV	3		UCBCNPTH	1E	4
UCBAF	1	40	UCBCOMPA	23E	4
UCBAFP1	0	F	UCBCSFLG	1E	
UCBALLFC	1E	10	UCBCSL	22B	8
UCBALOC	3	8	UCBCSLAC	22B	4
UCBALTCU	1	2	UCBCTCAD	218	
UCBAMV	1	40	UCBCTCAL	218	
UCBAOF	218		UCBCTCF1	21C	
UCBAOF1	218		UCBCTCF2	224	
UCBAOF2	219		UCBCTCWA	220	
UCBAPUB	21C		UCBCTC80	21C	80
UCBASAFH	7	4	UCBCTD	230	
UCBASCI	230	4	UCBCTLNA	225	
UCBASID	E		UCBCTLNK	224	
UCBASUN	2	80	UCBCUIR	1	1
UCBATI	3		UCBCURPX	-4	8
UCBATNCT	21A		UCBDADI	3	1
UCBATRC	21B	1	UCBDATP	223	224
UCBATT	14	80	UCBDBUF	2	20
UCBAUTOS	7	20	UCBDCC	1	80
UCBBALB	222	20	UCBDCMBU	225	4
UCBBASE	228		UCBDCONS	0	2
UCBBCTC	227	2	UCBDCTOF	1C	
UCBBGN	0	0	UCBDDRSW	14	1
UCBBLP	22B	1	UCBDDT	14	
UCBBNUL	222	1	UCBDDTI	14	

UCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCBDEFER	6	80	UCBHDET	7	8
UCBDEV	15	218	UCBHILVL	7	10
UCBDI	224		UCBHDPDV	3	1
UCBDIR	0	3A	UCBHSWAP	1E	40
UCBDKAMX	6	80	UCBICNCB	21C	
UCBDKBYT	6		UCBID	2	
UCBDMC	223	7F	UCBIDCPY	2	CC
UCBDMCT	223		UCBIDS	2	10
UCBDPAVA	225	10	UCBIEXT	8	
UCBDPAVB	225	20	UCBIMAGE	1C	
UCBDPAVH	225	2	UCBIN	C	80
UCBDQDSP	22B	20	UCBINCPY	7	80
UCBDRNO	21C	20	UCBINHIO	5	10
UCBDRO	21C	40	UCBINRLN	220	
UCBDRSN	1E	20	UCBIOQ	-4	
UCBDSM	0	42	UCBIOSBA	218	
UCBDUC	0	20	UCBIOSN	7	4
UCBDUDN1	23E	20	UCBIOT	2	1
UCBDUDN2	23E	10	UCBIPGID	10	
UCBDVCLS	12		UCBIQD	227	7
UCBDVPWR	11	1	UCBIRB	21C	
UCBDVSHR	222	80	UCBIRBA	21D	
UCBDWNR	21C	2	UCBIRLN	220	
UCBDYNPH	5	2	UCBITFP	14	40
UCBD1600	23E	4	UCBIVRR	14	4
UCBD6250	23E	2	UCBIVRS	14	8
UCBEIDAW	7	8	UCBJBNR	0	
UCBENVRD	1	8	UCBJES3	0	40
UCBERADR	C		UCBJ3DV	0	10
UCBERCNT	7		UCBLDATA	20	
UCBERG	23C		UCBLDNCA	220	
UCBERLOG	5	4	UCBLDNCB	221	
UCBERPC	22C	10	UCBLERP	2	2
UCBESV	22C	80	UCBLKAHP	22B	2
UCBESVC	22C	20	UCBLOCK	-8	
UCBESVE	22C	8	UCBMASGN	7	80
UCBETI	0		UCBMDISP	2	40
UCBEVA	22C	40	UCBMDLBT	0	F0
UCBEXTP	15		UCBMDRBA	25	
UCBEXTPT	14		UCBMDRBF	24	
UCBFBRC	227	21	UCBMDRID	233	
UCBFBCID	8		UCBMDSE1	225	80
UCBFBCBNM	18		UCBMIDAW	1E	2
UCBFBCBOP	5		UCBMMSGP	0	4
UCBFBCBO1	5	80	UCBMONT	0	1
UCBFBCBPE	5	1	UCBMOUNT	223	80
UCBFBCBPS	5	C	UCBMS	23B	
UCBFCTC	227	20	UCBMT	230	
UCBFCTX	1E	1	UCBMTDSM	234	80
UCBFLA	6		UCBMTFL1	234	
UCBFLB	7		UCBMTKEP	234	40
UCBFLC	14		UCBMTXPX	C	8
UCBFLP1	5		UCBMTRET	234	20
UCBFL1	6	206	UCBNALOC	1	4
UCBFL2	15	206	UCBNAM	D	
UCBFL4	225		UCBNB	23A	
UCBFL5	1		UCBNCC3	1E	80
UCBFL6	2		UCBNEXP	22C	
UCBFL7	7		UCBNLTP	22B	80
UCBFL8	1F		UCBNOCON	7	20
UCBFRID	0		UCBNOPHT	7	40
UCBFSCCT	218		UCBNORMF	224	80
UCBFSEQ	21A		UCBNOSEL	7	10
UCBFSEF	224		UCBNOTRD	6	40
UCBGCB	21B		UCBNRY	6	40
UCBGRAF	21C		UCBNSLTP	22B	40
UCBGRAFS	2		UCBNSRCH	5	80
UCBGRAF0	2	8	UCBNXUCB	8	
UCBGRAF1	2	4	UCBOB	0	
UCBGRAF2	2	2	UCBOBRID	232	
UCBGRAF3	2	1	UCBOBS1X	228	
UCBGUCB	2	11	UCBOCR	0	
UCBHALI	3	2	UCBOFMCR	218	80
UCBHALT	6	4	UCBOFNL	218	20

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCBOFPTR	218	10	UCBRSV71	219	20
UCBOFSP	218	40	UCBRSV72	219	10
UCBOIP	21C	80	UCBRSV73	219	8
UCBOLDISM	0	8	UCBRSV74	219	4
UCBOLTEP	21B	80	UCBRSV75	219	2
UCBONEFC	1E	8	UCBRSV76	219	1
UCBONLI	3	80	UCBRSV77	21B	40
UCBOPEN	21A		UCBRSV78	21B	20
UCBOPTNS	0		UCBRSV79	21B	10
UCBOSA	227	5	UCBRS6K	227	3
UCBOSAD	227	6	UCBRTIAC	21B	8
UCBOSAF	227	F	UCBRVDEV	230	8
UCBOSM	227	A	UCBRV005	22B	10
UCBOSN	227	8	UCBRV039	21C	1
UCBOSX	227	9	UCBRV040	218	
UCBOUT	C	40	UCBRV042	21D	
UCBPAVBI	230		UCBRV046	2	80
UCBPCTC	227	0	UCBRV047	2	40
UCBPDCT	0		UCBRV048	2	20
UCBPDCTA	0		UCBRV049	2	10
UCBPDCTO	12		UCBRV055	0	8
UCBPERM	6	20	UCBRV056	0	4
UCBPERR	22C	4	UCBRV057	3	80
UCBPGFL	222	40	UCBRV058	3	40
UCBPGID	22		UCBRV059	3	20
UCBPONLI	7	1	UCBRV060	3	10
UCBPR	238		UCBRV061	3	8
UCBPRES	3	4	UCBRV062	3	4
UCBPRFX	-4	200	UCBRV063	3	2
UCBPRRSN	1F	20	UCBRV066	21C	
UCBPRSRS	222	20	UCBRV067	6	20
UCBPRUN	7	2	UCBRV068	6	10
UCBPSNS	6	10	UCBRV069	6	8
UCBPUB	C	20	UCBRV070	6	4
UCBPW	239		UCBRV071	6	2
UCBPXST	-200	1F8	UCBRV072	6	1
UCBRALOC	5	1	UCBRV073	7	
UCBRDATA	4		UCBRV075	24	
UCBRDYQ	220		UCBRV076	21C	40
UCBRDYQA	221		UCBRV077	21C	20
UCBRERP	5	20	UCBRV078	21C	10
UCBRESV	3	20	UCBRV079	21C	8
UCBREW	C	10	UCBRV080	21C	4
UCBRIPND	21B	4	UCBRV081	21C	2
UCBRLN	224		UCBRV082	21C	1
UCBRPND	21C	4	UCBRV083	0	1
UCBRPS	230	10	UCBRWTAU	23E	8
UCBRR	230	20	UCBSATI	D	
UCBRSV04	3	80	UCBSCDRY	1F	40
UCBRSV05	3	40	UCBSCTC	227	1
UCBRSV06	3	20	UCBSDSE1	225	8
UCBRSV07	3	10	UCBSELFD	2	8
UCBRSV08	3	8	UCBSER	23A	
UCBRSV09	3	4	UCBSFLS	6	
UCBRSV10	12	2	UCBSHAR	222	2
UCBRSV11	12	1	UCBSHRUP	5	40
UCBRSV21	22C	2	UCBSIO	236	
UCBRSV22	22C	1	UCBSKPFPG	21B	2
UCBRSV39	4	20	UCBSMRSN	1F	10
UCBRSV40	4	10	UCBSMS	1	20
UCBRSV41	4	8	UCBSMSTM	2	4
UCBRSV42	4	4	UCBSNS	220	
UCBRSV43	4	2	UCBSNSCT	4	
UCBRSV44	5	40	UCBSPECL	1F	80
UCBRSV45	5	20	UCBSQC	224	
UCBRSV46	5	10	UCBSSPND	7	40
UCBRSV49	5	2	UCBSTAB	222	
UCBRSV51	6		UCBSTART	218	
UCBRSV65	218	8	UCBSTAT	3	
UCBRSV66	218	4	UCBSTI	1	
UCBRSV67	218	2	UCBSTLI	6	
UCBRSV68	218	1	UCBSTND	2	FF
UCBRSV69	219	80	UCBSTRT	6	8
UCBRSV70	219	40	UCBST1	2	12

UCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCBST3	2	FD	UCB3400	23E	3
UCBSWAPF	5	8	UCB3423	23E	82
UCBSYSR	3	2	UCB3480	23E	80
UCBTBYT1	10		UCB3490	23E	81
UCBTBYT2	11		UCB3540X	0	
UCBTBYT3	12		UCB3591	23E	83
UCBTBYT4	13		UCB3791L	21C	F1
UCBTBEB	21C		UCB3800	0	E
UCBTFL1	22B		UCB3800X	0	
UCBTFL1S	22B	18	UCB3838	0	4C
UCBTFL2	22A		UCB3895	0	19
UCBTLPOS	22A	10	UCB42AD1	21C	11
UCBTPSF	22A	40	UCB4245	0	11
UCBTR	234		UCB4248	0	13
UCBTVCMP	22A	20			
UCBTW	235				
UCBTXMS	22A	80			
UCBTYP	10				
UCBUCS	0				
UCBUCSID	0				
UCBUCSOP	4				
UCBUCSO1	4	80			
UCBUCSO2	4	40			
UCBUCSPE	4	1			
UCBUDE	14	20			
UCBUNLD	3	10			
UCBUNTYP	13				
UCBUPM	21C	8			
UCBUSER	226				
UCBVHRSN	C	2			
UCBVLPWR	11	2			
UCBVLRSN	C	1			
UCBVLSER	0				
UCBVLVER	6	40			
UCBVOLI	21C				
UCBVOPT	22C				
UCBVORSN	C	4			
UCBVRDEV	0	80			
UCBVSDR	1	10			
UCBVTOC	218				
UCBWDAV	225	40			
UCBWGT	C				
UCBWTOID	11				
UCBWTOWD	10				
UCBXTADR	218				
UCBXTN	22C				
UCBXTNB	22D				
UCBZHPF	1E	1			
UCB1FEA0	10	80			
UCB1FEA1	10	40			
UCB1FEA2	10	20			
UCB1FEA3	10	10			
UCB1FEA4	10	8			
UCB1FEA5	10	4			
UCB1FEA6	10	2			
UCB1FEA7	10	1			
UCB2OPT0	11	80			
UCB2OPT1	11	40			
UCB2OPT2	11	20			
UCB2OPT3	11	10			
UCB2OPT4	11	8			
UCB2OPT5	11	4			
UCB2OPT6	11	2			
UCB2OPT7	11	1			
UCB3CHAR	12	4			
UCB3COMM	12	40			
UCB3CTC	12	41			
UCB3DACC	12	20			
UCB3DISP	12	10			
UCB3TAPE	12	80			
UCB3UREC	12	8			
UCB3172	227	4			
UCB3211	0	9			
UCB3263	0	11			

UCM Information

UCM Heading Information

Common Name: UNIT CONTROL MODULE (UCM) DEFINITION
Macro ID: IEECUCM
DSECT Name: UCMPRFX (DSECT for MCS prefix), UCM (DSECT for UCM base), UCMEIL (DSECT for UCM event indication list), UCMLIST (DSECT for individual device entry UCME map), UCMFEXTA (DSECT for UCM fixed extension base), UCMFSAVE (DSECT for UCM fixed extension save area), UCMPEXTA (DSECT for UCM pageable extension base), UCMEFEXT (DSECT for UCM fixed extension), UCMEPEXT (DSECT for UCME pageable extension)
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: None
Storage Attributes: Subpool: Nucleus resident and key 0 for areas created by System Generation. MCS and SMCS UCMEs: Subpool 245 and key 0 for UCM fixed extension base and UCME fixed extensions. Subpool 241 and key 0 for UCM pageable extension base and UCME pageable extensions. Subsystem Console UCMEs: Subpool 241 and key 0 for UCME Fixed extension base, UCME fixed extensions, and UCME pageable extensions. Note: for subsystem consoles, the UCME base and "fixed" extension are not actually page-fixed. Data Space: No
Size: Residency: All positions except the UCME Pageable extension reside below 16M. NUCLEUS- 660 bytes and 80 byte/console(99 entries)
 Subpool 245 - 448 bytes and 108 bytes/console
 Subpool 241 - 824 bytes and 432 bytes/console
Created by: (LISTED BY DSECT)
 IEECVUCM - UCM2EXT, UCMPREFIX, UCM, UCMEIL, UCMLIST
 IEAVN703 - UCMFEXTA, UCMFSAVE, UCMPEXTA, UCMEFEXT, UCMEPEXT
Pointed to by: (DSECT - POINTER)
 UCM - CVTCUCB
 UCMLIST - UCMVEA
Serialization: LOCAL AND CMS LOCKS
Function: * DEFINE THE CHARACTERISTICS OF ALL CONSOLES

 * CONTAIN CONTROL INFORMATION FOR COMM TASK.

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCM2EXT	, - START OF UCM EXTENSION
0	(0)	SIGNED	2	UCM2DRCS	- IEAVSTAA SDUMP RETURN, REASON CODES
2	(2)	SIGNED	2	UCMRSV85	- RESERVED
4	(4)	ADDRESS	4	UCM2PST	"V(IEA0PT02)" - BRANCH ENTRY POINT INTO 'POST' ROUTINE
8	(8)	BITSTRING	1	UCM2SFLG	- IEAVSTAA CONTROL FLAGS
		1...		UCM2SDWA	"BIT0" - SDWA OBTAINED
		.1.		UCM2SENT	"BIT1" - IEAVSTAA ENTERED
		..1.		UCM2DTAK	"BIT2" - DUMP TAKEN
		...1		UCM2DSTR	"BIT3" - DUMP STARTED
		.... 1...		UCM2WTOI	"BIT4" - IEAVSTAA ABEND MESSAGE ISSUED
		.... .1..		UCM2REC	"BIT5" - RECURSIVE ENTRY OCCURRED
		.... ..1.		UCM2FAIL	"BIT6" - COMM TASK HAS FAILED DURING THIS IPL
		.... ...1		UCMRV008	"BIT7,,C'X'" - RESERVED (MDC055) YM5195
9	(9)	ADDRESS	3		- Reserved
12	(C)	SIGNED	4	UCM2TOKN	- IEAVSTAA ESTAE TOKEN
16	(10)	ADDRESS	4	UCM2STAA	- Address of SDWA or zero
20	(14)	ADDRESS	4	UCMRSV74	- RESERVED (MDC387)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMPRFX	, - START OF MCS PREFIX
0	(0)	X'0'	0	MCSUCM	*** - ALIAS FOR START OF MCS PREFIX
0	(0)	ADDRESS	4	UCM_DNR_RSV02	- Reserved - was UCMGCENT (Addr of UCME of current master console) DO NOT REUSE
4	(4)	CHARACTER	72	UCMSAVE0 (0)	- RESIDENT REGISTER SAVE AREA FOR IEAVCTSK
4	(4)	SIGNED	4	UCMSVA0	- WORD 1
8	(8)	SIGNED	4	UCMSVB0	- WORD 2
12	(C)	SIGNED	4	UCMSVC0	- WORD 3
16	(10)	SIGNED	4	UCMSVD0	- WORD 4
20	(14)	SIGNED	4	UCMSVE0	- WORD 5
24	(18)	SIGNED	4	UCMSVF0	- WORD 6
28	(1C)	SIGNED	4	UCMSVG0	- WORD 7

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	SIGNED	4	UCMSVH0	- WORD 8
36	(24)	SIGNED	4	UCMSV10	- WORD 9
40	(28)	SIGNED	4	UCMSVJ0	- WORD 10
44	(2C)	SIGNED	4	UCMSVK0	- WORD 11
48	(30)	SIGNED	4	UCMSVL0	- WORD 12
52	(34)	SIGNED	4	UCMSVM0	- WORD 13
56	(38)	SIGNED	4	UCMSVN0	- WORD 14
60	(3C)	SIGNED	4	UCMSVO0	- WORD 15
64	(40)	SIGNED	4	UCMSVP0	- WORD 16
68	(44)	SIGNED	4	UCMSVQ0	- WORD 17
72	(48)	SIGNED	4	UCMSVR0	- WORD 18
76	(4C)	ADDRESS	4	UCMDOME	- ADDRESS OF FIRST DOM ELEMENT
80	(50)	ADDRESS	4	UCMWTOX	- CVTExit@ set by IEAVSTAA
84	(54)	BITSTRING	2	UCMSFLGS (0)	- SYSTEM CONTROL FLAGS
84	(54)	ADDRESS	1	UCMSFLG1	- BYTE 1 OF SYSTEM CONTROL FLAGS
		1...		UCMSYSHC	"BIT0" - SYSLOG WAS HARDCOPY LOG, USED WHEN JES GOES DOWN THEN COMES BACK TO CHECK IF SYSLOG WAS ACTIVE
		.1..		UCMSYSB	"BIT1" - HARDCOPY SUPPORT REQUIRED
		..1.		UCMSYSC	"BIT2" - COMMANDS SPECIFIED FOR V SYSLOG,HARDCPY
		...1		UCMRSVD4	"BIT3" - Reserved - was UCMSYSD (Ring bell for a no consoles condition)
		.... 1...		UCM_DWNLVL_UCMSYSE	"BIT4" - Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (No Consoles Active)
		.... .1..		UCMSYSF	"BIT5" - DISPLAY CONSOLES EXIST
		.... ..1.		UCMSYSG	"BIT6" - HARDCOPY DEVICE IS SYSLOG
		.... ...1		UCMRSVF7	"BIT7" - Reserved - was UCMSYSH (A NON-SYSLOG HARDCOPY DEVICE EXISTS)
85	(55)	ADDRESS	1	UCMSFLG2	BYTE 2 OF SYSTEM CONTROL FLAGS
		1...		UCMSYSI	"BIT0" - WQE HOUSEKEEPING REQUIRED
		..1.		UCMSYSJ	"BIT1" - HARDCOPY TO BE WRITTEN
85	(55)	X'20'	0	UCM_STANDBY_CONSOLES_CHECKED	"Bit2" - Consoles in standby mode and LOGON(AUTO) have been checked to see if the LOGON was done.
		...1		UCMRVC6	"BIT3" - Reserved - was UCMSYSL (console switch sounding console alarm on device)
		.... 1...		UCMRSVF9	"BIT4" - Reserved - was UCMSYSM (FAILING CONSOLE IS COMPOSITE)
		.... ..1..		UCMSYSN	"BIT5" - DISPLAY CONSOLES ACTIVE
		.... ...1.		UCMSYSO	"BIT6" - DUMMY ATTENTION BY WTL
		.... ...1		UCMRSVC7	"BIT7" - Reserved - was UCMSYSP (Console switch sounding main power alarm on device)
86	(56)	BITSTRING	2	UCMMCS_RSV01	- Reserved. Was UCMWTORT
88	(58)	SIGNED	4	UCMCMID	- MSG IDENTIFICATION NUMBER
92	(5C)	ADDRESS	4	UCM_IEAVMQWR_DYNAMIC@	Address of dynamic area used by IEAVMQWR
96	(60)	SIGNED	1	UCMRVC9	- Reserved - was UCMXCT (External interrupt count)
97	(61)	ADDRESS	1	UCMMFLG3	- MISCELLANEOUS CONTROL FLAGS
		1...		UCMREFSH	"BIT0" - XMCS REFRESH DATA FROM OTHER SYSTEMS
		..1.		UCMRSVB5	"BIT1" - Reserved - was UCMLOGSW (Syslog was switched)
		..1.		UCM_SYSTEM_IS_PARTITIONING	"BIT2" - When ON, this system is being partitioned.
97	(61)	X'10'	0	UCM_WTO_SVC_SWAPPED	"Bit3" - IPL process has progressed so the normal WTO SVC is now active
		.... 1...		UCMMRSV4	"BIT4" - RESERVED
		.... ..1..		UCMMRSV5	"BIT5" - RESERVED
		.... ...1.		UCMMRSV6	"BIT6" - RESERVED
		.... ...1		UCMMRSV7	"BIT7" - RESERVED
98	(62)	ADDRESS	2	UCMNIPD	- NIP OR SYNCH I/O DELAY IN SECONDS SEE MEMBER CONDELAY IN SAMPLIB FOR INSTRUCTIONS ON USING THIS FIELD
100	(64)	ADDRESS	4	UCMRSV03	- Reserved (was UCMDOMT)
104	(68)	BITSTRING	24	UCMXSA (0)	- 6-WORD PARAMETER LIST FOR SVC 72
104	(68)	ADDRESS	4	UCM1WD	- PTR TO 3RD WORD OF SVC 72 PARM LIST
108	(6C)	ADDRESS	4	UCM2WD	- 2ND WORD OF SVC 72 PARM LIST
112	(70)	ADDRESS	4	UCM3WD	- 3RD WORD OF SVC 72 PARM LIST
116	(74)	ADDRESS	4	UCM4WD	- 4TH WORD OF SVC 72 PARM LIST
120	(78)	ADDRESS	4	UCM5WD	- 5TH WORD OF SVC 72 PARM LIST
124	(7C)	ADDRESS	4	UCM6WD	- 6TH WORD OF SVC 72 PARM LIST
128	(80)	ADDRESS	4	UCMDUCBA	ADDRESS OF DUMMY UCB
132	(84)	ADDRESS	4	UCMCUCME	- CURRENT UCME
136	(88)	SIGNED	4	UCMOPSEO	- OPERLOG task is to be activated
140	(8C)	ADDRESS	1	UCMMFLG4	- Miscellaneous flags
		1...		UCMOPSS	"BIT0" - OPERLOG specified in CONSOLxx or VARY OPERLOG,HARDCOPY issued
		..1.		UCMOPSA	"BIT1" - OPERLOG active
		..1.		UCMOPSV	"BIT2" - OPERLOG is being activated

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		...1		UCMOPSD	"BIT3" - OPERLOG is to be detached
		.... 1...		UCMOPSEA	"BIT4" - OPERLOG is activated at least once
		.... .1..		UCMOPLGF	"BIT5" OperLog Failure. Set by CNZQ1OLG when CNZ4201E and D C,HC need to be issued. Checked by IEAVN701 following the DETACH of CNZQ1OLG and, when on, CNZ4201E and D C,HC will be issued there.
		.... .1.		UCMOPS6	"BIT6" - Reserved
		.... ...1		UCMOPS7	"BIT7" - Reserved
141	(8D)	ADDRESS	3	UCMRSV69	- RESERVED
144	(90)	SIGNED	4		- Reserved. Was UCMOPSET
148	(94)	SIGNED	4	UCMOPSES	- OPERLOG active ECB
152	(98)	SIGNED	4	UCMOPSEP	- OPERLOG to be stopped ECB
156	(9C)	ADDRESS	1	UCMSDS1	- SDS FLAGS
		1...		UCMSDS1A	"BIT0" - STCMDS SPECIFIED FOR V SYSLOG,HARDCPY
		.1..		UCMSDS1B	"BIT1" - INCMDS SPECIFIED FOR V SYSLOG,HARDCPY
		.1.		UCMRSVF4	"BIT2" - Reserved - was UCMSDS1C (STCMDS SPECIFIED FOR V XXX,HARDCPY)
		...1		UCMRSVF5	"BIT3" - Reserved - was UCMSDS1D (INCMDS SPECIFIED FOR V XXX,HARDCPY)
		.... 1...		UCMRSVF6	"BIT4" - Reserved - was UCMSDS1E (CMDS SPECIFIED FOR V XXX,HARDCPY)
		.... .1..		UCMRSVF3	"BIT5" - Reserved - was UCMPRTHC (Printer Console was the hardcopy log)
		.... ...1		UCMRSV08	"BIT6" - RESERVED
		.... ...1		UCMRSV09	"BIT7" - RESERVED
157	(9D)	ADDRESS	1	UCMMISCF	- MISCELLANEOUS BITS
		1...		UCMRSV91	"BIT0" - Reserved (was UCMJ3CBS)
		.1.		UCMRSV92	"BIT1" - Reserved (was UCMJ3SAE)
		.1.		UCMWU100	"BIT2" - WQE UTILIZATION HAS REACHED 100%, BUT HAS NOT DROPPED TO 95%
		...1		UCMRSV98	"BIT3" - RESERVED (was UCMENFDM)
		.... 1...		UCMWU400	"BIT4" - Out of WQEs
		.... .1..		UCMWDONE	"BIT5" - WQE shortage has been processed
		.... .1.		UCMRSV0B	"BIT6" - RESERVED
		.... ...1		UCMRSV0C	"BIT7" - RESERVED
158	(9E)	BITSTRING	2	UCMEXITF (0)	- Exits flags
158	(9E)	BITSTRING	1	UCMEXIT1	- 1st byte of Exits flags
		1...		UCMM2SLX	"BIT0" - There are exit routines active on the CNZ_MSGTOSYSLOG exit point
		.1.		UCMWMDX	"BIT1" - There are exit routines active on the CNZ_WtoMdbExit exit point
159	(9F)	BITSTRING	1	UCMEXIT2	- 2nd byte of Exits flags

Comment

POINTERS TO UCM MCS PREFIX AND UCM EXTENSION
LOCATED IMMEDIATELY PRECEDING UCM BASE SECTION

End of Comment

160	(A0)	ADDRESS	4	UCM2PTR	- ADDRESS OF UCM EXTENSION (OS/VS2 ONLY)
164	(A4)	ADDRESS	4	UCMPRFXP	- ADDRESS OF UCM MCS PREFIX

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCM	, - START OF UCM BASE FIXED ECBS
0	(0)	SIGNED	4	UCMRSDV0	- In use as a dummy ECB for IEAVMQWRs ECB list
4	(4)	SIGNED	4	UCMAECB	- ATTENTION INTERRUPT ECB
8	(8)	SIGNED	4	UCMOECB	- WTO/WTOR REQUEST ECB
12	(C)	SIGNED	4	UCMDECB (0)	- DOM REQUEST ECB
12	(C)	SIGNED	4	UCMLECB	- WTL REQUEST ECB
16	(10)	SIGNED	4	UCMUECB	- User state event ECB
20	(14)	ADDRESS	4	UCMLSTP	- ADDRESS OF EVENT INDICATION LIST (EIL) WTO/WTOR CONTROL FIELDS
24	(18)	ADDRESS	4	UCMWTOQ	- ADDRESS OF FIRST WQE (SYSOUT QUEUE)
28	(1C)	ADDRESS	4	UCMRPYQ	- ADDRESS OF FIRST ORE (REPLY-Q ELEMENT)
32	(20)	ADDRESS	4	UCMRPYIP	- Address of Reply ID Table, if in local mode Address of SARI if in sysplex mode, and UPMRPYLV = 1
36	(24)	SIGNED	4	UCMRMAX	- RMAX value - maximum reply id
40	(28)	BITSTRING	2	UCMRPYF (0)	- Reply Flags
40	(28)	BITSTRING	1	UCMRPYF1	- First byte of Reply Flags
		1...		UCMRPY0I	"BIT0" - ON = Reply ID 0 is in use OFF = Reply ID 0 is available
		.1.		UCMENHR	"BIT1" - Enhanced short-form REPLY supported
41	(29)	BITSTRING	1	UCMRPYF2	- Second byte of Reply Flags
42	(2A)	BITSTRING	2	UCMRPYIL	- Length of Reply ID table pointed to by UCMRPYIP
44	(2C)	SIGNED	2	UCMRQLM	Reply id assignment limit
46	(2E)	SIGNED	2	UCMWQLM	- WQE BUFFER LIMIT

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
48	(30)	SIGNED	4	UCMB_RSV004	- Reserved. Was UCMWQRSV
52	(34)	SIGNED	4	UCMWQNR	- CURRENT WQE COUNT
56	(38)	SIGNED	2	UCMRQNR	- CURRENT ORE COUNT
Comment					
THE FOLLOWING FIELD IS USED TO CALCULATE THE LENGTH OF A UTOKEN. IF THE SIZE OF A UTOKEN EVER CHANGES, CHANGE THIS FIELD ONLY.					
End of Comment					
56	(38)	X'50'	0	UCMUSIZE	"80" UTOKEN DEFAULT SIZE
56	(38)	X'5E'	0	UCMUCASZ	"94" UTOKEN SIZE + COMPRESSED ACEE STRUCTURE SIZE
58	(3A)	SIGNED	2	UCMULGTH	UTOKEN LENGTH
60	(3C)	SIGNED	4	UCMWQEND	- ADDRESS OF LAST WQE - OR ZERO
64	(40)	ADDRESS	4	UCMPXA	- ADDR OF COMMUNICATIONS TASK TCB (OS/VS2)
68	(44)	BITSTRING	1	UCMPXB (0)	-
68	(44)	ADDRESS	1	UCMMODE	- MODE FLAGS
		1...		UCMCTIC	"BIT0" - COMMTASK INITIALIZATION COMPLETE
		.1.		UCMSPLXQ	"BIT1" - ON= SYSTEM CAPABLE OF SYSPLEX FUNCTIONS, AND RMAX CAN BE > 99
		..1.		UCMTPUTA	"BIT2" - TPUTTER IS ACTIVE (OS/VS2) MDC017
		...1		UCMSYPLX	"BIT3" - ON= SYSTEM IS A MEMBER OF A SYSPLEX
		.... 1...		UCM_DWNLVL_UCMAMFA	"BIT4" - Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (Accept V MSTCONS from any console)
		.... .1..		UCMOGCE	"BIT5" - ONLY DISPLAY CONSOLES ACTIVE
		.... .1.		UCMFSTAT	"BIT6" - RACF OPERCMDS CLASS IS ACTIVE
		.... ...1		UCM1SYS	"BIT7" - ON= CURRENTLY THERE EXISTS ONE AND ONLY ONE SYSTEM IN SYSPLEX
69	(45)	BITSTRING	1	UCMAMRF	- ACTION MESSAGE RETENTION FACILITY FLAGS (MDC445)
		1...		UCMAMRFA	"BIT0" - IF ON, THE ACTION MESSAGE RETENTION FACILITY IS ACTIVE (MDC446)
		.1.		UCMRSV77	"BIT1" - Reserved (moved UCMAMRFF)
		..1.		UCMRSV78	"BIT2" - RESERVED
		...1		UCMRSV79	"BIT3" - Reserved (moved UCMABUFF)
		.... 1...		UCMAMRFC	"BIT4" - IF ON, ACTIVATE THE ACTION MESSAGE RETENTION FACILITY
		.... .1..		UCMEXSSI	"BIT5" - IF ON, AN EXIT OR SSI IS ACTIVE UNDER THE COMM TASK
		.... .1.		UCMAMRFR	"BIT6" - Perform AMRF Repair
		.... ...1		UCMRSV81	"BIT7" - RESERVED
70	(46)	ADDRESS	1	UCMVRSN	VERSION LEVEL
70	(46)	X'1'	0	UCMSP13	"1" - VERSION LEVEL FOR OS/VS2 JBB1326
70	(46)	X'2'	0	UCMSP211	"2" - VERSION LEVEL FOR OS/VS2 JBB2110
70	(46)	X'3'	0	UCMSP220	"3" - VERSION LEVEL FOR OS/VS2 JBB2220
70	(46)	X'4'	0	UCMSP410	"4" - VERSION LEVEL FOR OS/VS2 HBB4410
70	(46)	X'5'	0	UCMSP420	"5" - VERSION LEVEL FOR MVS/ESA HBB4420
70	(46)	X'6'	0	UCMSP422	"6" - VERSION LEVEL FOR MVS/ESA JBB4422
70	(46)	X'7'	0	UCMSP440	"7" - VERSION LEVEL FOR MVS/ESA HBB5510
70	(46)	X'8'	0	UCMSP51X	"8" - VERSION LEVEL FOR WTO FLOOD APARS
70	(46)	X'9'	0	UCMZV1R5	"9" - VERSION LEVEL FOR z/OS HBB7708 overridden by rollback to 142
70	(46)	X'A'	0	UCMZV142	"10" - VERSION LEVEL FOR z/OS JBB7727
70	(46)	X'F'	0	UCMZV180	"15" - VERSION LEVEL FOR z/OS HBB7730 V1R8
70	(46)	X'F'	0	UCMVRID	"UCMZV180" - VERSION LEVEL VALUE
71	(47)	BITSTRING	1	UCMMODE2	- MODE FLAGS #2
		1...		UCMOVRDE	"BIT0" - ON -> NOJES3 SPECIFIED ON THE CON= STATEMENT.
		.1.		UCMLOGS	"BIT1" - OK for IEAVM601 to send to syslog
		..1.		UCMMD202	"BIT2" - RESERVED
		...1		UCMHCENT	"BIT3" - ON-> HCFORMAT=CENTURY specified in CONSOLxx, 4-digit years in SYSLOG
		.... 1...		UCMMCSF	"BIT4" - ON -> Console device initialization at IPL is finished.
		.... .1..		UCMB_RSV001	"BIT5" - Reserved. Was UCMCFCPX
		.... ...1.		UCM_DEFAULT_RC11	"BIT6" - ON-> default routing code 11 was specified
		.... ...1		UCM_EMCS_CONSOLE_REMOVAL_DONE	"BIT7" - ON-> A gap in the ODTE (created by removing an EMCS console) once existed on this system

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

Comment

THE FOLLOWING FIELDS ARE USED FOR ACCESSING UCM INDIVIDUAL DEVICE ENTRIES. THEY MUST BE DEFINED IN THE ORDER SHOWN.

End of Comment

72	(48)	CHARACTER	12	UCMVDATA (0)	- UCM ENTRY ACCESSING DATA
72	(48)	ADDRESS	4	UCMVEA	- ADDRESS OF FIRST UCM ENTRY
76	(4C)	ADDRESS	4	UCMVEZ	- LENGTH OF A UCM ENTRY
80	(50)	ADDRESS	4	UCMVLE	- ADDRESS OF LAST UCM ENTRY

Comment

SAVE AREA FOR REFRESHABILITY ROUTINES

End of Comment

84	(54)	ADDRESS	4	UCMDOMLE	- ADDRESS OF LAST DOM ELEMENT
88	(58)	ADDRESS	4	UCMDIDL	- Address of deferred reply id table To preserve serialization, this table may only be accessed by IEAVMDDOM
92	(5C)	BITSTRING	1	UCMRPYLV	- Reply id get/free method in use: X'00' - local or pre-SP5.1.0 X'01' - sysplex, and >= SP5.1.0

Comment

The following SMCS Failure Status bits should be manipulated via Compare & Swap

End of Comment

93	(5D)	BITSTRING	1	UCMS_FAILURE_STATUS	SMCS failure status
		1...		UCMS_SMCS_ACTIVE	"BIT0" - SMCS is active (ACB has been opened)
		.1..		UCMS_SMCS_CLOSING_NORMAL	"BIT1" - SMCS is shutting down normally (HALT NET command)
		..1.		UCMS_SMCS_CLOSING_QUICK	"BIT2" - SMCS is shutting down quickly (HALT NET,QUICK command)
		...1		UCMS_SMCS_CLOSING_ABNORMAL	"BIT3" - SMCS is shutting down abnormally (HALT NET,CANCEL command). No VTAM functions should be issued except closing the ACB
		.... 1...		UCMS_SMCS_CLOSING_FAILURE	"BIT4" - SMCS is shutting down due to a failure in the SMCS code
		.... .1..		UCMS_SMCS_FAILED	"BIT5" - SMCS has failed during this IPL
		.... ..1.		UCMS_SMCS_FAILED_NO_RETRY	"BIT6" - SMCS has failed and will not be restarted. An IPL is needed to restart SMCS
94	(5E)	CHARACTER	2	UCMS_VTAM_ACCESS_WAITTIME	Number of seconds SMCS should wait between attempts to contact VTAM
96	(60)	SIGNED	4		- Reserved. Was UCMOPSEC
100	(64)	CHARACTER	8	UCMVSTKN	- STOKEN of the ASCB that is activating OPERLOG
108	(6C)	CHARACTER	16		- Reserved. Was UCMSTRNM
124	(7C)	SIGNED	4	UCMSWECB	- ECB posted when Comm Task should call IEAVSWSC
128	(80)	ADDRESS	4	UCMUPEA	- Pointer to UCM Private Extension Above the line
132	(84)	ADDRESS	4	UCMUPEB	- Pointer to UCM Private Extension Below the line
136	(88)	SIGNED	4	UCMB_MAX#_WQES	Max number of WQEs
140	(8C)	SIGNED	4	UCMSAVE4 (16)	- SAVE AREA FOR IEAVCTSK MDC034
204	(CC)	SIGNED	4	UCMB_RSV003	- Reserved. Was UCMR9SV

Comment

THE FIELDS DEFINED FOLLOWING THIS STATEMENT ARE PRESENT ONLY IN VARIABLE MODE SYSTEMS (OS/VS2)

End of Comment

208	(D0)	DBL WORD	8	(0)	- DOUBLEWORD BOUNDARY ALIGNMENT
208	(D0)	ADDRESS	4	UCMMNTR	- ADDRESS OF MONITOR ROUTINE MDC003
212	(D4)	SIGNED	4	UCMMNECB	- ECB INDICATING MONITOR TPUTS TO DO MDC004
216	(D8)	SIGNED	4	UCMTRECB	- ECB INDICATING TPUTTER SHOULD TERMINATE MDC005
220	(DC)	ADDRESS	4	UCMMQPTR	- POINTER TO FIRST ELEMENT ON MONITOR QUEUE MDC006
224	(E0)	ADDRESS	4	UCMMQEND	- POINTER TO LAST ELEMENT ON MONITOR QUEUE MDC007

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
228	(E4)	ADDRESS	4	UCMMQNXT	- POINTER TO NEXT ELEMENT ON MONITOR QUEUE TO BE PROCESSED MDC008
232	(E8)	ADDRESS	4	UCMMBPTR	- POINTER TO FIRST ELEMENT ON MONITOR MESSAGE BLOCK QUEUE MDC025
236	(EC)	SIGNED	1	UCMXSLID	- XCF Slot id of this system
237	(ED)	CHARACTER	1	UCMBMPFS	- HARDCOPY MESSAGE SUPPRESSION INDICATOR (MDC475)
238	(EE)	SIGNED	2	UCMWQLM1	- IPL-SPECIFIED WQE BUFFER LIMIT MDC011
240	(F0)	ADDRESS	4	UCMBFEXT	- ADDRESS OF UCM FIXED EXTENSION BASE (MDC379)
244	(F4)	ADDRESS	4	UCMRP2AD	- POINTER TO REPLY PROCESSOR, STAGE 2 MDC013
248	(F8)	SIGNED	2	UCMCHKHG	- Number of elapsed seconds that triggers the ending of unended hung MLWTOs
250	(FA)	SIGNED	2	UCMCTID	- ASID OF COMMUNICATIONS TASK MDC015
252	(FC)	ADDRESS	4	UCMMBEND	- POINTER TO LAST ELEMENT ON MONITOR MESSAGE BLOCK QUEUE MDC026
256	(100)	SIGNED	4	UCMWQECT	- MLIM countdown for DQCLNUP in IEAVMDSV
260	(104)	ADDRESS	4	UCMB_LAST_ORE@	- ORE queue tail pointer
264	(108)	ADDRESS	4	UCMOECBH	- POINTER TO START OF ORE ECB CHAIN MDC029
268	(10C)	ADDRESS	4	UCMOECBT	- POINTER TO END OF ORE ECB CHAIN MDC030
272	(110)	SIGNED	4	UCMORECP	- ORE CELLPOOL ID MDC031
276	(114)	ADDRESS	4	UCMUREFP	- ADDRESS OF UCME LOOK-UP REF ROUTINE
280	(118)	ADDRESS	4	UCMASCB	- ASCB ADDRESS OF COMMUNICATIONS TASK MDC036
284	(11C)	ADDRESS	4	UCMSWCH	- ADDRESS OF IEAVSWCH
288	(120)	ADDRESS	4	UCMFRRAD	- ADDRESS OF COMMUNICATIONS TASK'S RECOVERY ROUTINE (IEAVMFRR) MDC047
292	(124)	ADDRESS	4	UCMWAKUP	- ADDRESS OF COMMUNICATIONS TASK'S POST ERROR RECOVERY ROUTINE (IEAVMEST, ALIAS FOR IEAVMFRR) MDC048
296	(128)	ADDRESS	4	UCMJES3T	- ADDRESS OF SUBSYSTEM ASCB (MDC300)
300	(12C)	BITSTRING	1	UCMB_MODE_FLAGS	Flags for Dist Mode
		.1..		UCMB_DIST_MODE	"BIT1" System in in Distributed mode
		..1.		UCMB_MODE_DONT_CARE_REQUESTED	"BIT2" CON= during IPL did not specify a mode value
		...1		UCMB_MODE_SHARED_REQUESTED	"BIT3" CON= during IPL specified Shared Mode
		.... 1...		UCMB_MODE_DIST_REQUESTED	"BIT4" CON= during IPL specified Distributed Mode
		.... .1..		UCMB_MODE_IN_TRANSITION	"BIT5" A migration is in progress so some services may not be available
		.... ..1.		UCMRSV49	"BIT6,,C'X'" - RESERVED MDC033
		.... ...1		UCMRSV50	"BIT7,,C'X'" - RESERVED MDC033
301	(12D)	ADDRESS	1	UCMB_DCCF_WTOR_ROLL_TO_NEXT_CONSOLE_TIME	Time (in seconds) to display a SYNCH WTOR (DCCF) before moving the WTOR to another console
302	(12E)	SIGNED	2	UCMAMRMX	- MAXIMUM NUMBER OF AMRQ ENTRIES
304	(130)	ADDRESS	4	UCMCONVP	- ADDRESS OF CONVCON PROCESSOR CNZC1CVC
308	(134)	ADDRESS	4	UCMCMDQR	- ADDRESS OF COMMAND QUEUER IEAVC700 (MDC399)
312	(138)	ADDRESS	4	UCMQSCAN	- ADDRESS OF QUEUE SCANNER IEAVQ700 (MDC400)
316	(13C)	ADDRESS	4	UCMCMDPT	- POINTER TO COMMANDS TO BE ISSUED BY COMMUNICATIONS TASK (MDC401)
320	(140)	CHARACTER	4	UCMCBID	- CONTROL BLOCK ID OF 'UCM' (MDC470)
324	(144)	SIGNED	4	UCMB_BWRBLIMIT	- Limit on the number of queued BWRBs before BEWTOs will be rejected. A value of 0 means no limit checking is done
328	(148)	ADDRESS	4	UCMINTCB	- IEAVN701 TCB ADDRESS
332	(14C)	ADDRESS	4	UCMVWTCB	- IEEVWAIT TCB ADDRESS
336	(150)	ADDRESS	4	UCMWQADA	- IEAVH600 AUTO DATA AREA POINTER
340	(154)	SIGNED	4	UCMCQCEP	- CQE CELLPOOL ID
344	(158)	SIGNED	4	UCMSSIBP	POINTER TO THE LIFE OF JOB SSIB FOR COMMUNICATION TASK
348	(15C)	SIGNED	2	UCMBRDST	- COUNT OF REQUESTS TO HAVE WTOS BROADCAST TO ALL SUBSYSTEMS
350	(15E)	SIGNED	2	UCMRSV67	- RESERVED
352	(160)	SIGNED	4	UCMR0MSG	- DOM ID of reply id 0 message IEA557A
356	(164)	ADDRESS	4	UCMMSRSP	- ADDRESS OF TEXT SERVICE ROUTINE (IEAVG714)
360	(168)	ADDRESS	4	UCMNWTOP	- POINTER TO IHANWTO (NIP WTO BUFFER)
364	(16C)	ADDRESS	4	UCMSBPTR	- POINTER TO SBC
368	(170)	ADDRESS	4	UCM_CNZS1WTO	Address of CNZS1WTO
372	(174)	ADDRESS	4	UCM_CNZS1DOM	Address of CNZS1DOM
376	(178)	BITSTRING	8	UCM_MEMTOKEN	Memtoken used by CNZXCSD for the XCF IXCMMSGO message out service
384	(180)	BITSTRING	16	UCMOWTOR	DEFAULT ROUTING CODES FOR WTO/WTOR MACROS
400	(190)	ADDRESS	4	UCM_CNZMYTSK_ADDR	"V(CNZMYTSK)" Address of task table
404	(194)	SIGNED	4	UCMB_CS (0)	Bits manipulated via Compare and Swap
404	(194)	BITSTRING	1	UCMB_CS1	Byte 1

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1... ..		UCMB_SWITCH_NOT_SUPPORTED	"BIT0" If on, Console Switch and the SWITCH CN command are not supported. This may be reused once z/OS 1.7 (and below) goes out of service
		.1.. ..		UCMB_UNSWITCH_CONSOLES	"BIT1" All consoles that have been switched should be unswitched. This may be reused once z/OS 1.7 (and below) goes out of service
		..1.		UCMB_MSGLOSS_NOT_SUPPORTED	"BIT2" If on, message loss detection is not supported. This may be reused once z/OS V1R9 (and below) goes out of service.
404	(194)	X'10'	0	UCMB_MSGLOSS_NOTIFY_TIM	"Bit3" If on, notify CNZM1TIM to either DOM outstanding Msg Loss messages (when UCMB_MsgLoss_Not_Supported is On) or conduct message loss (when UCMB_MsgLoss_Not_Supported is Off). This may be reused once z/OS V1R9 (and below) goes out of service.
404	(194)	X'8'	0	UCMB_BIGACEE_NOTSUPPORTED	"Bit4" If on, all systems have OA26204 installed and can handle "big acee" processing - can be removed when 1.12 is the lowest supported release
405	(195)	BITSTRING	1	UCMB_CS2	Byte 2
406	(196)	BITSTRING	1	UCMB_CS3	Byte 3
407	(197)	BITSTRING	1	UCMB_CS4	Byte 4
408	(198)	ADDRESS	4	UCM IEAVG607	Address of IEAVG607
412	(19C)	SIGNED	4	UCMB IEAVBWGL_STIMER_VALUE	Interval to wait before the next attempt to get SYSZNP.CONSOLE
416	(1A0)	ADDRESS	8	UCMB_ART@	- Address of Auto Reply Table (ART) 64-bit pointer
424	(1A8)	ADDRESS	4	UCMB_TEXTTABLEADDR	"V(CNZMMTBL)" Address of CNZ message text table. Available during NIP
428	(1AC)	SIGNED	4	UCMB_SBCXBWC_ELEMENTS	Number of in use elements in the SBCXBWC cell pool. Serialization: CS
432	(1B0)	SIGNED	4	UCM_RESERVE1 (4)	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMEIL	, - START OF EIL
0	(0)	ADDRESS	1		LENGTH OF EIL (IN WORDS)
1	(1)	BITSTRING	1	UCMRSV62	- RESERVED
2	(2)	SIGNED	1	UCMRTCT	- ROUTE COUNT
3	(3)	BITSTRING	1	UCMRSV15	- RESERVED
4	(4)	SIGNED	4	UCMRPYL	LAST ASSIGNED REPLY ID (Local mode only)
8	(8)	ADDRESS	4	UCMRSVD1	- Reserved - was UCMXECBA (Addr of EXTERNAL INTERRUPT ECB) REUSE OF THIS REQUIRES UPDATING IEAVMQWR CTWSTART
12	(C)	ADDRESS	4	UCMAECBA	- ADDRESS OF ATTENTION INTRPT ECB
16	(10)	ADDRESS	4	UCMOECBA	- ADDRESS OF WTO/R REQUEST ECB
20	(14)	ADDRESS	4	UCMDECBA	- ADDRESS OF DOM REQUEST ECB
24	(18)	ADDRESS	4	UCMUECBA	- Address of User State Event ECB
28	(1C)	ADDRESS	4	UCMRSVD2	- Reserved - was UCMWECBA Points to dummy ECB - UCMRSVD0

Comment

THE FOLLOWING PART OF THE EIL IS A LIST OF POINTERS TO I/O ECBS FOR EACH CONSOLE DEVICE DEFINED IN THE SYS1.PARMLIB, CONSOLXX. FOR OS/VS2, THE LIST CONTAINS A MINIMUM OF 2 ENTRIES. THE LIST IS VARIABLE ONLY IN IECEVUCM. THE LAST ENTRY HAS A HIGH-ORDER BYTE OF X'80'

End of Comment

32	(20)	SIGNED	4	UCMIECBA (0)	- I/O ECB PTR LIST ENTRY MAPPING
32	(20)	CHARACTER	1	UCMIECBF	- I/O ECB PTR LIST LAST ENTRY FLAG
		1... ..		UCMIECBE	"BIT0" ECB END OF LIST INDICATOR
33	(21)	ADDRESS	3	UCMIECBP	- ADDR OF I/O REQUEST ECB

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMLIST	, - START OF DEVICE ENTRY
0	(0)	ADDRESS	4	UCMECB	- I/O COMPLETION ECB
		1111 1.1		UCMECBF9	"X'F9" - UCMECB POST CODE - RECEIVE MUST BE ISSUED AGAIN
		1111 1.1.		UCMECBFA	"X'FA" - UCMECB POST CODE - I/O IS TO BE RE-ISSUED AGAIN
		1111 1.11		UCMECBFB	"X'FB" - UCMECB POST CODE - PROCESS LOGON
		1111 11..		UCMECBFC	"X'FC" - UCMECB POST CODE - CLEAR CONSOLE

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		1111 11.1		UCMECBFD	"X'FD" - UCMECB POST CODE - K V COMMAND WAS ISSUED (MDC450)
		1111 111.		UCMECBFE	"X'FE" - UCMECB POST CODE - ROUTED COMMAND (MDC451)
		1111 1111		UCMECBFF	"X'FF" - UCMECB POST CODE - READY TO ROLL (MDC452)
4	(4)	ADDRESS	4	UCMSBR	- ADDRESS OF RESIDENT PROCESSOR MODULE MDC020
8	(8)	ADDRESS	4	UCMDCB	- ADDRESS OF DCB
12	(C)	ADDRESS	4	UCMUCB	- UCB NAME (DEV ADDR) OR PTR TO UCB
16	(10)	CHARACTER	8	UCMNAME	- PROCESSING MODULE NAME
24	(18)	BITSTRING	1	UCMSTS	- STATUS FLAGS
		1...		UCMAF	"BIT0" - ATTENTION PENDING
		.1.		UCMPF	"BIT1" - OUTPUT PENDING
		.1.		UCMBF	"BIT2" - DEVICE BUSY
		...1		UCMCF	"BIT3" - CLOSE PENDING
		.... 1...		UCMTA	"BIT4" - OPEN PENDING
		.... .1..		UCMTB	"BIT5" - DEQ APPROPRIATE OUTPUT QUEUE ENTRIES
		.... ..1.		UCMEMCLS	"BIT6" - EMERGENCY CLOSE PENDING (MDC471)
		.... ...1		UCMTC	"BIT7" - CONSOLE HAS INLINE WTO
25	(19)	BITSTRING	1	UCMATR	- ATTRIBUTE FLAGS
		1...		UCMOF	"BIT0" - WTO SUPPORT
		.1.		UCMIF	"BIT1" - ATTENTION SUPPORT
		..1.		UCME_STANDBY_SUPPORTED	
		...1		UCMUF	"BIT2" - Console supports standby mode
		.... 1...		UCME_IN_STANDBY	"BIT3" - DEVICE ACTIVE
		.... .1..		UCMAT04	"BIT4" - Console is in standby mode
		.... ..1.		UCMINCLR	"BIT5" - DEVICE STATUS TO CHANGE
		.... ...1		UCMGLBCH	"BIT6" - INTERNAL CLEAR REQUEST
		.... ...1		UCMGLBCH	"BIT7" - INDICATOR TO RECOVERY THAT SYSPLEX GLOBAL DATA HAS BEEN CHANGED
26	(1A)	SIGNED	2	UCMXA (0)	
26	(1A)	CHARACTER	1	UCMID	- UCME SLOT NUMBER
27	(1B)	BITSTRING	1	UCMEDEVX	- DEVICE TYPE INDEX (MDC472)
Comment					
EQU X'03' - Was 2540/2501/3505/3525					
EQU X'04' - Was 2740					
End of Comment					
		.... .11.		UCM3211	"X'06" - 3211/1403 DEVICE
		.... .111		UCM3215	"X'07" - SUBSYSTEM ALLOCATABLE CONSOLE
		.... 1..1		UCM32772	"X'09" - 3277-2 DEVICE (MDC472)
		.... 1.11		UCM32782	"X'0B" - 3278-2 DEVICE (MDC472)
		.... 11..		UCM3782A	"X'0C" - 3278-2A DEVICE (MDC472)
		.... 11.1		UCM32783	"X'0D" - 3278-3 DEVICE (MDC476)
		.... 111.		UCM32784	"X'0E" - 3278-4 DEVICE (MDC476)
		.... 1111		UCM3792A	"X'0F" - 3279-2A DEVICE (MDC476)
		...1		UCM3792B	"X'10" - 3279-2B DEVICE OR 24 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ...1		UCM3793A	"X'11" - 3279-3A DEVICE (MDC476)
		...1 ..1.		UCM3793B	"X'12" - 3279-3B DEVICE OR 32 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ..11		UCM3284	"X'13" - 3284/3286 DEVICE (MDC476)
		...1 .1..		UCM3792C	"X'14" - 3279-2C DEVICE
		...1 .1.1		UCM3270X	"X'15" - 3270-X DEVICE
		...1 .11.		UCM2732E	"X'16" - 27 X 132 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ..111		UCM3180E	"X'17" - 31 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1...		UCM3160E	"X'18" - 31 X 160 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1..1		UCM4380E	"X'19" - 43 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1.1.		UCM6280E	"X'1A" - 62 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1.11		UCM6260E	"X'1B" - 62 X 160 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 11..		UCM5006E	"X'1C" - 50 X 106 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 11.1		UCMRWCLE	"X'1D" - SCREEN SIZE INDICATED BY UCMEPROW AND UCMEPCOL AND DEVICE SUPPORTS THE EXTENDED DATA STREAM
		...1 111.		UCMRWCLN	"X'1E" - SCREEN SIZE INDICATED BY UCMEPROW AND UCMEPCOL AND DEVICE DOES NOT SUPPORT THE EXTENDED DATA STREAM
		...1 1111		UCMHMCS	"X'1F" - HMCS located on the HMC
28	(1C)	ADDRESS	4	UCMXB	- ADDRESS OF RDCM(DISPLAY) OR ZERO
32	(20)	BITSTRING	1	UCMSDS5	- SDS FLAGS
		1...		UCMSDS5A	"BIT0" - MLWTO LINE NEEDED TO KEEP WRITING
		.1.		UCMSDS5B	"BIT1" - INLINE OUTPUT PENDING
		..1.		UCMSDS5C	"BIT2" - OUT-OF-LINE OUTPUT PENDING
		...1		UCMSDS5D	"BIT3" - K Q ISSUED FOR THIS CONSOLE
		.... 1...		UCMRV30	"BIT4,C'X" - RESERVED
		.... .1..		UCMSDS5F	"BIT5" - FOR DISPLAY, UCMLLAST VALID

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
		.... ..1.		UCMSDS5G	"BIT6" - I/O HARDWARE IN OUTPUT-ONLY STATUS	
		.... ...1		UCMSDS5H	"BIT7" Console is backlogged	
33	(21)	BITSTRING	1	UCMDIDCS	DIDOCs global update flags. Available flag is forced on	
		1...		UCMEGCHG	"BIT0" GLOBAL CHANGES OCCURRED FOR THIS CONSOLE	
		..1.		UCMRSVD5	"BIT1" Reserved - was UCMENGUP (DO NOT ISSUE A GLOBAL UPDATE FOR THIS CONSOLE)	
		..1.		UCMAHERE	"BIT2" - ON= CONSOLE IS ACTIVE ON THIS SYSTEM	
		...1		UCMINUSE	"BIT3" - ON= UCME IS IN USE	
		.... 1...		UCMEFAIL	"BIT4" - Console has failed and console failure routine was invoked	
		.... ..1.		UCME_AVAILABLE_4_REUSE	"BIT5" UCME not in use	
		.... ..1.		UCME_STANDBY_PENDING	"BIT6" Standby request for this console is pending	
33	(21)	X'1'	0	UCME_DO_NOT_ENTER_STANDBY	"Bit7" Even if the console supports standby, don't get into standby mode	
34	(22)	BITSTRING	1	UCMES_FLAGS	SNA MCS Flags	
		1...		UCMES_SMCS	"BIT0" UCME is for a SMCS Console - Sysplex wide	
		..1.		UCMES_ALLOC	"BIT1" Has been allocated by a system - Sysplex wide	
		..1.		UCMES_ACTVE	"BIT2" SMCS Console is active - Local to system CS Should be used when setting bit	
		...1		UCMES_CLEANUP_IN_PROGRESS	"BIT3" Cleanup of SMCS UCME is in progress	
		.... 1...		UCMES_LOGOFF_IN_PROGRESS	"BIT4" LOGOFF is running for this console	
		.... ..1.		UCMES_DEVICE_WAS_BUSY	"BIT5" IECEVSHT detected that the device was busy. Note: This flag is not cleared when UCMBF is cleared. It is normally only cleared when the I/O routines are SENDING output to an SMCS console (basically, when UCMBF is turned on.)	
35	(23)	CHARACTER	1	UCMRSV86	- RESERVED	
36	(24)	ADDRESS	4	UCMOUTQ	- ADDRESS OF CQE QUEUE (MDC301)	
40	(28)	BITSTRING	2	UCMAUTH (0)	- COMMAND CODE AUTHORIZATION	
40	(28)	BITSTRING	1	UCMAUTHA	- 1ST BYTE OF COMMAND CODE AUTH FLAGS	
		1...		UCMAUTH1	"BIT0" - COMMAND GROUP 1 (SYS)	
		..1.		UCMAUTH2	"BIT1" - COMMAND GROUP 2 (I/O)	
		..1.		UCMAUTH3	"BIT2" - COMMAND GROUP 3 (CONS)	
		...1		UCMRSV19	"BIT3,,C'X'" - RESERVED	
		.... 1...		UCMRSV20	"BIT4,,C'X'" - RESERVED	
		.... ..1.		UCMRSV21	"BIT5,,C'X'" - RESERVED	
		.... ..1.		UCMRSV22	"BIT6,,C'X'" - RESERVED	
		.... ...1		UCMRSV23	"BIT7,,C'X'" - RESERVED	
41	(29)	BITSTRING	1	UCMAUTHB	- 2ND BYTE OF COMMAND CODE AUTH FLAGS	
42	(2A)	BITSTRING	2	UCMDISP (0)	- DISPOSITION FLAGS (2 BYTES)	
42	(2A)	BITSTRING	1	UCMDISP1	- FIRST BYTE - DISPOSITION FLAGS	
		1...		UCME_DWNLVL_MC	"BIT0" - Master Console Indicator on downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.	
		..1.		UCMDRSVB	"BIT1" - Reserved (formerly UCMDISPB)	
		..1.		UCMDISPC	"BIT2" - DISPLAY CONSOLE	
		...1		UCMDISPD	"BIT3" - OUTPUT ONLY	
		.... 1...		UCMDISPE	"BIT4" - CONSOLE HAS FULL I/O CAPABILITY	
		.... ..1.		UCMDISPF	"BIT5" - Console is in Message Stream mode	
		.... ..1.		UCMDISPG	"BIT6" - Console is in Status Display mode	
		.... ...1		UCME_RSV03	"BIT7" - Reserved. Was UCMDISPH	
43	(2B)	BITSTRING	1	UCMDISP2	- SECOND BYTE - DISPOSITION FLAGS	
		1...		UCMDISPI	"BIT0" - DISPLAY TIME	
		..1.		UCMDISPJ	"BIT1" - DISPLAY JOB NAME	
		..1.		UCMDISPK	"BIT2" - SUBSYSTEM ALLOCATABLE INDICATOR	
		...1		UCMDISPL	"BIT3" - CONSOLE IS DEDICATED TO A SYSTEM COMPONENT (SUBSYSTEM)	
		.... 1...		UCMDISPM	"BIT4" - CONSOLE HAS MASTER AUTHORITY	
		.... ..1.		UCMDISPX	"BIT5" - DISPLAY SYSTEM NAME	
		.... ...1.		UCMDISPX	"BIT6" - NO SYSTEM NAME AND JOB NAME DISPLAYED	
44	(2C)	ADDRESS	4	UCMRSVA3 (2)	- Reserved - was UCMALEN (Alt console UCME addr) AND Reserved - was UCMAOEN (address of output/alternate output UCME)	
52	(34)	ADDRESS	4	UCMWLAST	- ADDRESS OF LAST CQE SERVICED IN OUTPUT QUEUE (MDC397)	
56	(38)	ADDRESS	4	UCMRSVD6	- Reserved - was UCMCOMP (ADDR OF OTHER - DEVICE ENTRY IF THIS IS A COMPOSITE CONSOLE)	
60	(3C)	BITSTRING	2	UCMMSG (0)	- MESSAGE FLAGS	
60	(3C)	BITSTRING	1	UCMMSG1	- FIRST BYTE - MESSAGE FLAGS	
		1...		UCMMSGA	"BIT0" - 'MONITOR JOBNAMES' REQUESTED	
		..1.		UCMMSGB	"BIT1" - 'MONITOR STATUS' REQUESTED	
		..1.		UCMRSV70	"BIT2,,C'X'" - RESERVED (MDC377)	
		...1		UCMMSGD	"BIT3" - RESQID REQUEST	

UCM Map

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
				.... 1...		UCMRSV71	"BIT4,,C'X" - RESERVED (MDC378)
				.... .1..		UCMMSGF	"BIT5" - MONITOR SESSIONS
				.... .1.		UCMMSGG	"BIT6" - MONITOR WITH TIME
				.... ...1		UCMRSV27	"BIT7,,C'X" - RESERVED
61	(3D)			BITSTRING	1	UCMMSG2	- SECOND BYTE - MESSAGE FLAGS
62	(3E)			BITSTRING	1	UCME_RSV01	- Reserved. Was UCMXOR
63	(3F)			BITSTRING	1	UCMDEV	- DEVICE CONTROL FLAGS
				1...		UCMDEVA	"BIT0" - FULL SCREEN ON DISPLAY CONSOLES
				.1.		UCMRSVD7	"BIT1" - Reserved - was UCMDEVB ('PREPARE' COMMAND ISSUED)
				..1.		UCME_RSV02	"BIT2" - Reserved. Was UCMDEVCC
				...1		UCMDEV	"BIT3" - DOM ISSUED
				.... 1...		UCMDEVE	"BIT4" - I/O COMPLETE
				.... .1..		UCMDEVF	"BIT5" - DCM MODIFIED FOR DOM
				.... .1.		UCMRSVD8	"BIT6" - Reserved - was UCMDEVG (HIO ISSUED ON THE 2740)
				.... ...1		UCMRSVC0	"BIT7" - Reserved - was UCMVHRSN (CONSOLE I/O PATH AFFECTED)
64	(40)			ADDRESS	4	UCMMLAST	- ADDRESS OF LAST MINOR WQE HANDLED
68	(44)			ADDRESS	4	UCMRCT	- POINTER TO RCT
72	(48)			ADDRESS	4	UCMFEXTP	- ADDRESS OF UCME FIXED EXTENSION (MDC332)
76	(4C)			ADDRESS	4	UCMVMP	- Address of VARY Message Parm List
76	(4C)			X'50'	0	UCMESIZE	**_UCMLIST" - LENGTH (BYTES) OF INDIV DEVICE ENTRY
76	(4C)			X'0'	0	UCMEND	**_UCMESIZE" - ADDR OF LAST DEVICE ENTRY
80	(50)			SIGNED	4	(0)	GET ON A WORD BOUNDARY
80	(50)			X'50'	0	UCM_ABEND077_0BAD	*** ADDR OF ABEND 077 CODE

Offsets		Dec	Hex	Type/Value	Len	Name (Dim)	Description
		0	(0)	STRUCTURE	0	UCMFEXTA	, - UCM FIXED EXTENSION BASE (MDC304)
		0	(0)	CHARACTER	4	UCMFUCMF	- ACRONYM IN EBCDIC -UCMF- (MDC305)
		4	(4)	ADDRESS	4	UCMFPTR	- ADDRESS OF UCM PAGEABLE EXTENSION BASE (MDC306)
		8	(8)	CHARACTER	8	UCMFMGFS (0)	- FLAGS FOR FIXED EXTENSION BASE (MDC307)
		8	(8)	BITSTRING	1	UCMFFLG1	- MESSAGE FLAGS (MDC308)
				1...		UCMFMSG1	"BIT0" - WQE SHORTAGE MESSAGE ISSUED (MDC309)
				.1.		UCMFMSG2	"BIT1" - WQE CRITICAL MESSAGE ISSUED (MDC310)
				..1.		UCMFRSVI	"BIT2" - Reserved - was UCMFMMSGN (NO WQE THRESHOLD MESSAGES SHOULD BE ISSUED)
Comment							
EQU BIT3 - Reserved (was UCMFMMSG1)							
EQU BIT4 - Reserved (was UCMFMMSG2)							
EQU BIT5 - Reserved (was UCMFMMSG3)							
EQU BIT6 - Reserved (was UCMFMMSG4)							
EQU BIT7 - Reserved (was UCMFMMSG5)							
End of Comment							
		9	(9)	BITSTRING	1	UCMFFLG2	- MESSAGE FLAGS (MDC313)
				1...		UCMFMSG6	"BIT0" - ACTION MESSAGE RETENTION FACILITY RESTART FAILED MESSAGE ISSUED (MDC453)
Comment							
EQU BIT1 - Reserved (was UCMFMMSG7)							
EQU BIT2 - Reserved (was UCMFMMSG8)							
End of Comment							
				...1		UCMFMSG9	"BIT3" - WTOR SHORTAGE MESSAGE ISSUED
				.... 1...		UCMFMSGB	"BIT4" - WTOR CRITICAL MESSAGE ISSUED
				.... .1..		UCMFUMPF	"BIT5" - CALL MPF FOR ALL MESSAGES
Comment							
EQU BIT6 - Reserved (was UCMFMMSGC)							
EQU BIT7 - Reserved (was UCMNHOLD)							
End of Comment							
		10	(A)	BITSTRING	1	UCMFFLG3	- QUEUE SCANNED FLAGS FOR ACTION MESSAGE RETENTION FACILITY (MDC454)
				1...		UCMFRQSD	"BIT0" - RETAINED MESSAGE QUEUE SCANNED (MDC455)
				.1.		UCMFIQSD	"BIT1" - RETAINED IMMEDIATE ACTION MESSAGE QUEUE SCANNED (MDC456)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		..1.		UCMFEQSD	"BIT2" - RETAINED EVENTUAL ACTION MESSAGE QUEUE SCANNED (MDC457)
		...1		UCMFCQSD	"BIT3" - RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE SCANNED
		.... 1...		UCMFRSVD	"BIT4" - RESERVED
		.... .1..		UCMFRSVE	"BIT5" - RESERVED
		.... ..1.		UCMFRSVF	"BIT6" - RESERVED
		.... ...1		UCMFRSVG	"BIT7" - RESERVED
11	(B)	BITSTRING	1	UCMFMISC	- MISCELLANEOUS FLAGS
		1...		UCMFWRID	"BIT0" - DOM IDS HAVE WRAPPED
		.1.		UCMFCMIN	"BIT1" - MINOR LINE ADDED
		..1.		UCMFRSVH	"BIT2" - RESERVED
		...1		UCMFHOLD	"BIT3" - HOLDMODE SPECIFIED
		.... 1...		UCMF4RSV	"BIT4" - RESERVED
		.... ..1.		UCMFLOGR	"BIT5" - LOGON(REQUIRED) SPECIFIED IN CONSOLXX
		.... ...1.		UCMFLOGA	"BIT6" - LOGON(AUTO) SPECIFIED IN CONSOLXX
		.... ....1		UCMFRACT	"BIT7" - RACF IS ACTIVE
12	(C)	ADDRESS	4	UCMFUTOK	- POINTER TO DEFAULT UTOKEN
16	(10)	SIGNED	2	UCMF60WQ	- 60% OF CURRENT WQE LIMIT
18	(12)	SIGNED	2	UCMF80WQ	- 80% OF CURRENT WQE LIMIT
20	(14)	SIGNED	2	UCMF95WQ	- 95% OF CURRENT WQE LIMIT
22	(16)	SIGNED	2	UCMF60OR	- 60% SPECIFIED ORE LIMIT
24	(18)	SIGNED	2	UCMF80OR	- 80% SPECIFIED ORE LIMIT
26	(1A)	BITSTRING	1	UCMFMIS2	- MISCELLANEOUS FLAG BYTE 2
		1...		UCMFPCK	"BIT0" - CONSOLES PC TABLE HAS BEEN SETUP
26	(1A)	X'40'	0	UCMF IEAVN701_INIT_COMPLETE	"Bit1" - IEAVN701 has completed initialization
		..1.		UCMRSV95	"BIT2" - RESERVED. Was UCMFHCU.
		...1		UCMF_RSV01	"BIT3" - Reserved. Was UCMFMLSS
		.... 1...		UCMFSYNL	"BIT4" - There are systems that have no MCS consoles attached to them which can receive SYNCH messages

Comment

EQU BIT5 - Reserved - was UCMFMIX

End of Comment

		.... ..1.		UCMFPCK	"BIT6" - Footprint indicating that the scheduling by DCCF of the SRB for COMM Task has not completed yet
		.... ...1		UCMF440	"BIT7" - Indicates there are only 5.1 and above systems in a sysplex
27	(1B)	BITSTRING	1	UCMFSNL	- SYSTEM NAME LENGTH
28	(1C)	CHARACTER	4	UCMFRSVJ	- Reserved - was UCMFECBL (ECB list that IEAVMQWR waits on a no-consoles CONDITION) & UCMFXECB (ADDR OF EXTERNAL INTERRUPT ECB)
32	(20)	ADDRESS	4	UCMFWQES	- LAST SERVICED WQE POINTER
36	(24)	ADDRESS	4	UCMF_DWNLVL_UCMFATCN	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (Addr of UCME candidate for new master console)
40	(28)	ADDRESS	4	UCMFE1ST	- ADDRESS OF FIRST UCME FIXED EXTENSION (MDC341)
44	(2C)	SIGNED	4	UCMFELEN	- LENGTH OF A UCME FIXED EXTENSION (MDC342)
48	(30)	ADDRESS	4	UCMFE1ST	- ADDRESS OF LAST UCME FIXED EXTENSION (MDC343) Deleted (was UCMFAMRP) 1
52	(34)	ADDRESS	4	UCMF_CNZC2HLN@	- Address of HMCS console I/O exit routine
56	(38)	ADDRESS	4	UCMRSV05	- Reserved (was UCMFIAMQ) DO NOT REUSE
60	(3C)	ADDRESS	4	UCMRSV06	- Reserved (was UCMFEAMQ) DO NOT REUSE
64	(40)	SIGNED	4	UCMFRMCP	- Pointer to the AMRF cell pool control block
68	(44)	SIGNED	2	UCMFAMRN	- NUMBER OF AMRQ ENTRIES (MDC412)
70	(46)	SIGNED	2	UCMF75MR	- 75% OF MAXIMUM AMRQ ENTRIES (MDC413)
72	(48)	SIGNED	2	UCMF80MR	- 80% OF MAXIMUM AMRQ ENTRIES (MDC414)
74	(4A)	SIGNED	2	UCMF95MR	- 95% OF MAXIMUM AMRQ ENTRIES (MDC415)
76	(4C)	SIGNED	2	UCMFIBSZ	- Number of cells in the first extent for the AMRF cell pool
78	(4E)	SIGNED	1	UCMFAMRS	- SUBPOOL OF ACTION MESSAGE RETENTION BUFFER (MDC417)
79	(4F)	SIGNED	1	UCMFBSZ	- Number of cells in subsequent extents for the AMRF cell pool
80	(50)	ADDRESS	4	UCMFSAVP	- ADDRESS OF 72-BYTE SAVE AREA (MDC424)
84	(54)	ADDRESS	4	UCMFMPPF	- ADDRESS OF MPF TABLE (MDC475)
88	(58)	ADDRESS	4	UCMFLRA	- ADDRESS OF COLOR/HIGHLIGHTING ATTRIBUTE TABLE
92	(5C)	ADDRESS	4	UCMGENXP	- ADDRESS OF GENERAL WTO USER EXIT IEAVMXIT TABLE (GENX)
96	(60)	ADDRESS	4	UCMRSV07	- Reserved (was UCMFCAMQ) DO NOT REUSE
100	(64)	CHARACTER	8	UCMFSYNM	- CURRENT SYSTEM NAME
108	(6C)	CHARACTER	1	UCMFSYID	- CURRENT SYSTEM ID
109	(6D)	CHARACTER	3	UCMFSVDM	- SAVED DOM ID
112	(70)	CHARACTER	4	UCMFD SQN	- DISPLAY SEQUENCE NUMBER (USED FOR D R AND K C ONLY)
116	(74)	BITSTRING	16	UCMFHCRT	- ROUTING CODES FOR SYSLOG

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
132	(84)	ADDRESS	4	UCMF043D	- ADDRESS OF SVC 34 LOAD MODULE (IEE0403D) IN COMM TASK STORAGE ONLY
136	(88)	ADDRESS	4		- Reserved (was UCMFLSTN)
140	(8C)	ADDRESS	4		- Reserved (was UCMFHCDA)
144	(90)	ADDRESS	4	UCMFSUBA	- POINTER TO IEEC SUB (DIDOC S ROLL MODE TIMER FUNCTIONS)
148	(94)	CHARACTER	1	UCMFCMDL	- MULTIPLE COMMAND DELIMITER
149	(95)	BITSTRING	1	UCMFMIS3	- MISCELLANEOUS FLAG BYTE 3
150	(96)	CHARACTER	2	UCMFRSV4	- RESERVED
152	(98)	BITSTRING	16	UCMFHPRT	- ROUTING CODES FOR A PRINTER CONSOLE
168	(A8)	ADDRESS	4	UCMF_RSV02	- Reserved. Was UCMFPOMR
172	(AC)	ADDRESS	4	UCMFCMTP	- ADDRESS OF THE MPF COMMAND TABLE
176	(B0)	ADDRESS	4	UCMCPFTA	- ADDRESS OF THE CPF TABLE
180	(B4)	ADDRESS	4	UCMFSMTA	- ADDRESS OF THE SYMCS MEMBER TABLE (SMT)
184	(B8)	ADDRESS	4	UCMFCSTP	- ADDRESS OF CONSOLE STOKEN TABLE
188	(BC)	ADDRESS	4	UCMFCLTP	- ADDRESS OF CONSOLE LOOKUP TABLE
192	(C0)	ADDRESS	4	UCMFMITP	- ADDRESS OF MIGRATION ID TABLE
196	(C4)	ADDRESS	4	UCMFCCEP	- ADDRESS OF ARRAY OF CCE POINTERS
200	(C8)	ADDRESS	4	UCMFC LTS	- ADDRESS OF CLTSCAN PROCESSOR
204	(CC)	ADDRESS	4	UCMFOMD	- ADDRESS OF OMD (IEAVG102)
208	(D0)	CHARACTER	4	UCMRSVA1	- Reserved (was UCMFOLRP)
212	(D4)	ADDRESS	4	UCMRSVA2	- Reserved (was UCMFRCT)
216	(D8)	ADDRESS	4	UCMFRCA2	- ADDRESS OF IEAVM603 AUTO DATA AREA
220	(DC)	ADDRESS	4	UCMFWSVP	- ADDRESS OF IEAVMWSV WORK AREA
224	(E0)	CHARACTER	8	UCMF_DWNLVL_UCMFCSYN	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (System name where candidate console is located)
232	(E8)	ADDRESS	4	UCMFRXAD	- ADDRESS OF ESTAEX ENTRY POINT FOR COMM TASK'S RECOVERY ROUTINE (IEAVMFRX, ALIAS FOR IEAVMFRR)
236	(EC)	ADDRESS	4	UCMFCLAD	- CLEAN UP ROUTINE ADDRESS
240	(F0)	ADDRESS	4	UCMFDMPA	- DUMP EXIT ROUTINE ADDRESS
244	(F4)	ADDRESS	4	UCMFRSV5	- Reserved (was UCMFRCTM)
248	(F8)	ADDRESS	4	UCMFAHTP	- Pointer to AMRF data
252	(FC)	ADDRESS	4	UCMFUDTK	- USER'S UNDEFINED UTOKEN
256	(100)	ADDRESS	4	UCMFTSWA	- IEAVG714 WORK AREA ADDRESS
260	(104)	ADDRESS	4	UCMFWQEC	- ADDRESS OF WQE COUNT TABLE
264	(108)	ADDRESS	4	UCMFWCTA	- ADDRESS OF WQE INFORMATION TABLE
268	(10C)	ADDRESS	4	UCMFT2A	- ADDRESS OF DYNAMIC AREA FOR IEAVSTA2
272	(110)	ADDRESS	4	UCMF606	- Address of IEAVG606 - initialized by IEAVVINT
276	(114)	ADDRESS	4	UCMFPUCM	- Address of the UCME to be posted when SRB routine IEAVG606 is scheduled by DCCF
280	(118)	CHARACTER	44	UCMFSRB	- SRB used by DCCF to schedule the COMM Task address space
324	(144)	ADDRESS	4	UCMFCWKP	- ADDRESS OF 12-BYTE COMMON AREA FOR ALL WTO USER EXITS
328	(148)	ADDRESS	4	UCMFCTCA	- Address of CTRACE Control area
332	(14C)	ADDRESS	4	UCM_DNR_RSV05	DO NOT REUSE!!!! Reserved - was UCMCB825 (Address of Console Attribute Resetter). This loads the address of some code to issue an 077 abend with reason 0BAD
336	(150)	ADDRESS	4	UCM_DNR_RSV06	DO NOT REUSE!!!! Reserved - was UCMVSWCS (Address of Switch Common Routine). This loads the address of some code to issue an 077 abend with reason 0BAD
340	(154)	ADDRESS	4	UCMFS_TERME	SMCS Termination ECB. Posted when VTAM is terminating
344	(158)	ADDRESS	4	UCMFS_CPME	SMCS Cell Pool Maintenance ECB. Posted when maintenance on the IEESMCS cellpool is needed
348	(15C)	ADDRESS	4	UCMFS_HT_ECB	SMCS Hang Timer Subtask ECB
352	(160)	ADDRESS	4	UCMFS_HT_TERME	SMCS Hang Timer Subtask Termination ECB
356	(164)	ADDRESS	4	UCMF_MT_ADDR	Address of module table
360	(168)	ADDRESS	4	UCMF_TEXTTABLEADDR	Address of CNZ message text table
364	(16C)	ADDRESS	4	UCMF_Q1MDQ_DYNAMIC	Address of CNZQ1MDQ dynamic storage
368	(170)	ADDRESS	4	UCMFS_STARTTE	SMCS Start ECB
372	(174)	CHARACTER	32		Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMAAREA	, - AMRF data
0	(0)	ADDRESS	4	UCMAIHD	- Pointer to head of retained immediate action messages
4	(4)	ADDRESS	4	UCMAITL	- Pointer to tail of retained immediate action messages
8	(8)	ADDRESS	4	UCMAEHD	- Pointer to head of retained eventual action messages

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
12	(C)	ADDRESS	4	UCMAETL	- Pointer to tail of retained eventual action messages
16	(10)	ADDRESS	4	UCMACEH	- Pointer to head of retained critical eventual action messages
20	(14)	ADDRESS	4	UCMACETL	- Pointer to tail of retained critical eventual action messages

Comment

SMCS POST CODES FOR UCMFS_TERME AND UCMFS_CPME.
EQU X'000000FF' Reserved for
internal SMCS
start process

End of Comment

1111	111.			UCMFS_TERME_TPEND_HALT	"X'000000FE"
1111	11.1			UCMFS_TERME_TPEND_HALT_QUICK	"X'000000FD"
1111	11..			UCMFS_TERME_TPEND_HALT_CANCEL	"X'000000FC"
1111	1.11			UCMFS_TERME_OK_2_CLOSE	"X'000000FB"
1111	1.1.			UCMFS_CPME_EXPAND_CELL_POOL	"X'000000FA"
1111	1..1			UCMFS_CPME_CONTRACT_CELL_POOL	"X'000000F9" EQU X'000000F8' Reserved for internal Hang Timer process

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMFSAVE	, - UCM FIXED EXTENSION SAVE AREA (MDC425)
0	(0)	SIGNED	4	UCMFSV01	- WORD 1 (MDC426)
4	(4)	SIGNED	4	UCMFSV02	- WORD 2 (MDC427)
8	(8)	SIGNED	4	UCMFSV03	- WORD 3 (MDC428)
12	(C)	SIGNED	4	UCMFSV04	- WORD 4 (MDC429)
16	(10)	SIGNED	4	UCMFSV05	- WORD 5 (MDC430)
20	(14)	SIGNED	4	UCMFSV06	- WORD 6 (MDC431)
24	(18)	SIGNED	4	UCMFSV07	- WORD 7 (MDC432)
28	(1C)	SIGNED	4	UCMFSV08	- WORD 8 (MDC433)
32	(20)	SIGNED	4	UCMFSV09	- WORD 9 (MDC434)
36	(24)	SIGNED	4	UCMFSV10	- WORD 10 (MDC435)
40	(28)	SIGNED	4	UCMFSV11	- WORD 11 (MDC436)
44	(2C)	SIGNED	4	UCMFSV12	- WORD 12 (MDC437)
48	(30)	SIGNED	4	UCMFSV13	- WORD 13 (MDC438)
52	(34)	SIGNED	4	UCMFSV14	- WORD 14 (MDC439)
56	(38)	SIGNED	4	UCMFSV15	- WORD 15 (MDC440)
60	(3C)	SIGNED	4	UCMFSV16	- WORD 16 (MDC441)
64	(40)	SIGNED	4	UCMFSV17	- WORD 17 (MDC442)
68	(44)	SIGNED	4	UCMFSV18	- WORD 18 (MDC443)
68	(44)	X'48'	0	UCMFSVLN	"*-UCMFSAVE" - LENGTH OF SAVE AREA (MDC444)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMPEXTA	, - UCM PAGEABLE EXTENSION BASE (MDC319)
0	(0)	CHARACTER	4	UCMPUCMP	- ACRONYM IN EBCDIC -UCMP- (MDC320)
4	(4)	CHARACTER	36	UCMPDM1 (0)	- DOM ID'S (MDC475)
4	(4)	SIGNED	4	UCMPWQE	- WQE CRITICAL MESSAGE DOM ID (MDC322)
8	(8)	SIGNED	4	UCMP_DWNLVL_UCMPNMCC	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (No Master Console Condition message DOM id)
12	(C)	SIGNED	4	UCMP_DWNLVL_UCMPNCC	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (No-Console Condition message DOM id)
16	(10)	SIGNED	4	UCMPWQES	- WQE SHORTAGE MESSAGE DOM ID (MDC396)
20	(14)	SIGNED	4	UCMPAMRS	- ACTION MESSAGE RETENTION BUFFER SHORTAGE MESSAGE DOM ID (MDC420)
24	(18)	SIGNED	4	UCMPAMRC	- ACTION MESSAGE RETENTION SEVERE BUFFER SHORTAGE MESSAGE DOM ID (MDC421)
28	(1C)	SIGNED	4	UCMPAMRF	- ACTION MESSAGE RETENTION BUFFER EXTENSION FAILED MESSAGE DOM ID (MDC422)
32	(20)	SIGNED	4	UCMPAMRR	- ACTION MESSAGE RETENTION FACILITY RESTART FAILED MESSAGE DOM ID (MDC324)

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
36	(24)	SIGNED	4	UCMPMPFD	- MPF FAILED MESSAGE DOM ID. Serialization is exclusive ENQ on SYSZMCS.MPFTABLE.
40	(28)	SIGNED	4	UCMPOREC	- ORE CRITICAL MESSAGE DOM ID
44	(2C)	SIGNED	4	UCMPORES	- ORE SHORTAGE MESSAGE DOM ID
48	(30)	ADDRESS	4	UCMPE1ST	- ADDRESS OF FIRST UCME PAGEABLE EXTENSION (MDC345)
52	(34)	SIGNED	4	UCMPELEN	- LENGTH OF A UCME PAGEABLE EXTENSION (MDC346)
56	(38)	ADDRESS	4	UCMPELST	- ADDRESS OF LAST UCME PAGEABLE EXTENSION (MDC347)
60	(3C)	ADDRESS	4	UCMPECBM	- Master Scheduler wait for COMM TASK ECB
64	(40)	ADDRESS	4	UCMPECB1	- TASK ECB FOR IEAVMQWR
68	(44)	ADDRESS	4	UCMPECB2	- TASK ECB FOR IEEVWAIT
Comment					
STATUS FIELDS FOR THE ACTION MESSAGE RETENTION FACILITY AT THE TIME OF ERROR Deleted (was UCMPAMRP)					
End of Comment					
72	(48)	CHARACTER	4	UCMP_HMCS_LISTEN_TOKEN	Listen token for CNZC1HLN (HMCS Listen Exit)
76	(4C)	ADDRESS	4	UCMP_HMCS_RDCM_TDCM_SAVED@	Address of RDCM/TDCM used for the HMCS console
80	(50)	SIGNED	4	UCMP_HMCS_RDCM_TDCM_SIZE	Size of the RDCM/TDCM used for the HMCS console
84	(54)	SIGNED	2	UCMPRSVO	- Reserved (was UCMPAMRN) DO NOT REUSE
86	(56)	BITSTRING	1	UCMPRSVP	- Reserved (was UCMPSNQB)
		1... ..		UCMPRSVQ	"BIT0" - Reserved (was UCMPRQSD)
		.1.		UCMPRSVR	"BIT1" - Reserved (was UCMPIQSD)
		..1.		UCMPRSVS	"BIT2" - Reserved (was UCMPSEQSD)
		...1		UCMPRSVT	"BIT3" - Reserved (was UCMPQCSD)
		.... 1...		UCMPRSV4	"BIT4" - RESERVED
		.... .1..		UCMPRSV5	"BIT5" - RESERVED
		.... ..1.		UCMPRSV6	"BIT6" - RESERVED
		.... ...1		UCMPRSV7	"BIT7" - RESERVED
87	(57)	BITSTRING	1	UCMPAMRB	- AMRF serialization bits
		1... ..		UCMABUFF	"BIT0" AMRF buffers are full
		.1.		UCMAMRFF	"BIT1" Perform AMRF Repair
		..1.		UCMAMRFS	"BIT2" Perform AMRF Shutdown
		...1		UCMARSV4	"BIT3" Reserved
		.... 1...		UCMARSV5	"BIT4" Reserved
		.... .1..		UCMARSV6	"BIT5" Reserved
		.... ..1.		UCMARSV7	"BIT6" Reserved
		.... ...1		UCMARSV8	"BIT7" Reserved
88	(58)	ADDRESS	4	UCMPQWRR	- IEAVMQWR'S RETURN ADDR
92	(5C)	ADDRESS	4	UCMPSWRK	- POINTER TO IEAVSTAA'S WORKAREA
96	(60)	BITSTRING	1	UCMPFLG1	- MISCELLANEOUS FLAGS
		1... ..		UCMPWERA	"BIT0" COMMTASK IEEVWAIT EXTERNAL RESTART ATTEMPTED
		.1.		UCMPXUIT	"BIT1" - IF ON, ACTIVATE THE GENERAL USER EXIT
		..1.		UCMPPFKC	"BIT2" - IF ON, PFK TABLE INITIALIZATION IS COMPLETE
		...1		UCMP_MFA_STARTATIPL	"BIT3" If ON, means MFA should be started at IPL (req'd by MSGFLD on INIT stmt
96	(60)	X'8'	0	UCMP_DOUEXIT	"Bit4" UEXIT should be updated by cmd via IEAVN701 (set by CNZ11DCA)
		.... .1..		UCMPLOCO	"BIT5" Suppress global updates
		.... ..1.		UCMPXITA	"BIT6" If on, UEXIT=Y processor needs to post UCMPECBX when IEAVMXIT activated
		.... ...1		UCMPXTDF	"BIT7" If on, UEXIT=Y by default
97	(61)	CHARACTER	1	UCMPRSV3	RESERVED
98	(62)	CHARACTER	2	UCMPPFKM	SUFFIX OF THE ACTIVE PFKTABXX SYS1.PARMLIB MEMBER
100	(64)	ADDRESS	4	UCMPRSVU	- Reserved (was UCMPCAMQ) DO NOT REUSE
104	(68)	ADDRESS	4	UCMP_ONDEMAND_AUTOR_ECB	- CNZM1TIM ECB to do Autor
108	(6C)	ADDRESS	4	UCMP_CNZK1CMB@	- Address of CNZK1CMB
112	(70)	BITSTRING	8	UCMPRSV2	- Reserved
120	(78)	ADDRESS	4	UCMPPFKT	- POINTER TO THE PFK TABLE WHICH IS ACTIVE
124	(7C)	SIGNED	4	UCMPRSVH	Reserved.
128	(80)	CHARACTER	2	UCMP_MFA_SUFFIX	MFA MSGFLDxx suffix from CONSOLxx INIT stmt. Current suffix in use is last two chars in MFAT MFPMBRNM field.
130	(82)	CHARACTER	2	UCMPMMSM	- MMS MEMBER SUFFIX
132	(84)	SIGNED	4	UCMPLT80	- DOM ID FOR MESSAGE IEE213E (LOGQUEUE LIMIT)
136	(88)	SIGNED	4	UCMPL100	- DOM ID FOR MESSAGE IEE211E (LOGQUEUE LIMIT)
140	(8C)	ADDRESS	4	UCMP_MFA_MSG@	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
144	(90)	SIGNED	4	UCMP_CNZZ050E_DOMID	- Pointer to MFA's CNZZMSG - MFA has been disabled due to failure. Dom message when reactivated. Compare & Swap used to serialize
148	(94)	ADDRESS	4	UCMP_MFA_INIT@	- Pointer to MFA's CNZZINIT
152	(98)	ADDRESS	4	UCMPNECB	- NIP ECB (WAITED ON BY IEAVN701)
156	(9C)	ADDRESS	4	UCMPECB9	- IEAVG608 ATTACH ECB
160	(A0)	ADDRESS	4	UCMPECB4	- IEAVG603 TASK ECB
164	(A4)	ADDRESS	4	UCMPECB5	- IEAVG610 TASK ECB
168	(A8)	ADDRESS	4	UCMPECB6	- IEAVG611 TASK ECB
172	(AC)	ADDRESS	4	UCMP_MCS_CHANGE_ECB	- ECB POSTed for MCS console change
176	(B0)	ADDRESS	4	UCMP_ORE_Q_REPAIR_RTN	- Address of CNZM1OQR
180	(B4)	CHARACTER	2	UCMPCNXX	- SUFFIX OF CONSOLXX USED FOR IPL
182	(B6)	SIGNED	2	UCMPROUT	- ROUTTIME ON CONSOLXX INIT
184	(B8)	ADDRESS	4	UCMPECB7	- PARTITION ECB
188	(BC)	CHARACTER	4	UCMPPART	- PARTITION WAIT STATE CODE
192	(C0)	ADDRESS	4	UCMPECB8	- IEAVM613 TASK ECB
196	(C4)	ADDRESS	4	UCMPECBA	- IEAVG608 ABEND ECB
200	(C8)	ADDRESS	4	UCMPECB	- SYSPLEX USER STATE FIELD ECB
204	(CC)	ADDRESS	4	UCMCNFX	- Address of CNZWTFIX, WTO mitigation fix routine (Was UCMPDMUD/UCMPDMUH/UCMPDMUS)
208	(D0)	SIGNED	4	UCMPDMML (0)	- MESSAGE LOSS DOMID
208	(D0)	CHARACTER	1	UCPDMMH	- SYSID IN HIGH ORDER BYTE OF DOMID
209	(D1)	CHARACTER	3	UCPDMMS	- DOMID SEQUENCE NUMBER
212	(D4)	ADDRESS	4	UCMP7603	CONSOLE AREA ID VERIFICATION ROUTINE
216	(D8)	ADDRESS	4	UCMPAMRI	- Insufficient AMRF storage msg DOMID
220	(DC)	BITSTRING	4	UCMPFTOD	Local AMRF failure time
224	(E0)	ADDRESS	4	UCMPFPTR	- Pointer to AMRF Failure Time Table
228	(E4)	SIGNED	4	UCMP_DWNLVL_UCMPMDEV	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (Device number of current master console)
232	(E8)	SIGNED	4	UCMPDMSN (0)	- SYNCH Loss DOMID
232	(E8)	CHARACTER	1	UCMPDMSH	- SYSID in high order byte of DOMID
233	(E9)	CHARACTER	3	UCMPDMSL	- DOMID sequence number
236	(EC)	CHARACTER	8	UCMP_DWNLVL_UCMPMSYN	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (System name where master console was last active)
244	(F4)	ADDRESS	4	UCMPECBD	- Indicate that IEAVG614 abended
248	(F8)	CHARACTER	8	UCMPSTKN	- STOKEN for Console group data space
256	(100)	CHARACTER	8	UCMPRSVK	- Reserved - was UCMPHCP (Hardcopy Group)
264	(108)	CHARACTER	8	UCMPSYN	- SYNCHDEST group
272	(110)	CHARACTER	8	UCMPRSVW	- Reserved - was UCMPTNOCC (No console condition group)
280	(118)	SIGNED	4	UCMPLOGL	- SYSLOG Limit (LOGLIM)
284	(11C)	ADDRESS	4	UCMPMPFM	- POINTER TO THE MPF TABLE WHICH IS ACTIVE
288	(120)	CHARACTER	8	UCMPCTRP	- CTRACE parmlib member name
296	(128)	ADDRESS	4	UCMPMFRR	- Address of FRR router
300	(12C)	ADDRESS	4	UCMPMEST	- Address of Estae router
304	(130)	ADDRESS	4	UCMPECBE	- ECB - IEAVM616 abended
308	(134)	ADDRESS	4	UCMPECBF	- ECB - IEAVM616 has work
312	(138)	ADDRESS	4	UCMPRTQE	- Pointer to RTQE queue for IEAVM616
316	(13C)	ADDRESS	4	UCMPRTQS	- Pointer to RTQE stolen queue
320	(140)	ADDRESS	4	UCMPECBX	Posted when IEAVMXIT is setup first time in ipl (UCMPXITA is on)
324	(144)	ADDRESS	4	UCMPECBU	Posted when UEXIT=Y processor finishes (used on attach of IEEMB819)
328	(148)	ADDRESS	4	UCMPTCBU	TCB address of UEXIT=Y processor
332	(14C)	BITSTRING	4	UCMPHUNG	Time last checked for hung MLWTOs
336	(150)	ADDRESS	4	UCMPNCNEV	Posted by CONSOLxx processing after UCM is initialized
340	(154)	ADDRESS	4	UCMPECEV	Posted by IEAVN701 after local EMCS initialization
344	(158)	BITSTRING	4	UCMPRACN	- Console id of Route command EMCS console
348	(15C)	CHARACTER	8	UCMPRANM	- Console name of Route command EMCS console
356	(164)	ADDRESS	4	UCMP_IEAVN615_COMPLETE_ECB	- ECB to note when IEAVN615 is complete. WAIT in IEAVN701, POST in IEAVN600
360	(168)	ADDRESS	4	UCMP_CNZI1CDP_COMPLETE_ECB	- ECB to note when CNZI1CDP is complete. WAIT in IEAVN600, POST in IEAVN701
364	(16C)	ADDRESS	4	UCMP_CONSDEFN@	- Address of CONSOLxx data area. Initialized in IEAVN600, referenced in IEAVN701
368	(170)	CHARACTER	8	UCMPRCLC	- Last CART value generated for "route-to-route" communication
376	(178)	ADDRESS	4	UCMP_MFAT@	- Pointer to MFA Table located in SQA

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
380	(17C)	CHARACTER	4	UCMPGECB	- ROUTE command EMCS message ECB. Posted when a message is processed with cnid = ucmpracn. Used only when IE ECB820 holds ENQ SYZMCS/ROUTE-GROUP--CNID
384	(180)	ADDRESS	4	UCMPSWCT	Addr of system WQE count table (SWCT)
388	(184)	SIGNED	4	UCMP_RSV001	Reserved Was UCMPWQAB
392	(188)	SIGNED	4	UCMPDCDM	IEA652A discard WTO DOMID
396	(18C)	SIGNED	4	UCMPDMSG	# msgs discarded while above 16M storage was exhausted
400	(190)	BITSTRING	4	UCMPRSVX	- Reserved - was UCMPRCPI (Last migration id used by route)
404	(194)	SIGNED	4	UCMPRSVY	Reserved - was UCMPTRDM (IEA767A trace buf wrap WTO DOMID)
408	(198)	ADDRESS	4	UCMPCTSC	Address of Comm Task's AS security

Comment

SMCS Data - Fields starting with UCMP*_ are unique to SMCS consoles.

End of Comment

412	(19C)	ADDRESS	4	UCMPS_LGNEXIT	SMCS Logon Exit address
416	(1A0)	ADDRESS	4	UCMPS_TPDEXIT	SMCS TP End Exit address
420	(1A4)	ADDRESS	4	UCMPS_SYNEXIT	SMCS SYNAD Exit address
424	(1A8)	ADDRESS	4	UCMPS_LGLEEXIT	SMCS Logical Error Exit address
428	(1AC)	ADDRESS	4	UCMPS_LSTEXIT	SMCS Lost Terminal Exit address
432	(1B0)	ADDRESS	4	UCMPS_RSPEXIT	SMCS Response Exit address
436	(1B4)	ADDRESS	4	UCMPS_SNDEXIT	SMCS Send Exit address
440	(1B8)	ADDRESS	4	UCMPS_CLNUP	SMCS Cleanup Routine address
444	(1BC)	ADDRESS	4	UCMPS_RCVEXIT	SMCS Receive Exit address - Attn Rtn
448	(1C0)	ADDRESS	4	UCMPS_CLSEXIT	SMCS CLSDST RPL Exit address
452	(1C4)	ADDRESS	4	UCMPS_ACBADDR	SMCS ACB Address
456	(1C8)	ADDRESS	4	UCMPS_EXITLST	SMCS Exit List address
460	(1CC)	ADDRESS	4	UCMPS_SETLRPL	SMCS SETLOGON RPL address
464	(1D0)	ADDRESS	4	UCMPS_NIBADDR	SMCS NIB Address for SETLOGON
468	(1D4)	ADDRESS	4	UCMPS_VCBADDR	SMCS VTAM Control Block address
472	(1D8)	SIGNED	4	UCMPS_VCBLEN	SMCS VTAM Control Block length
476	(1DC)	ADDRESS	4	UCMPS_MAINRRTN_TCB	SMCS Main routine (IEECV SMA) TCB ptr
480	(1E0)	CHARACTER	9	UCMPS_APPLID_AREA (0)	SMCS Application ID area
480	(1E0)	BITSTRING	1	UCMPS_APPLID_LEN	SMCS Length of Appl Id
481	(1E1)	CHARACTER	8	UCMPS_APPLID	SMCS Application ID. If blank, SMCS consoles will not be available on this system
489	(1E9)	CHARACTER	9	UCMPS_APPLID_INUSEBY_AREA (0)	SMCS Application Id in use by this system
489	(1E9)	BITSTRING	1	UCMPS_APPLID_INUSEBY_LEN	SMCS Length of applid in use by system
490	(1EA)	CHARACTER	8	UCMPS_APPLID_INUSEBY_SYSTEM	SMCS Applid in use by this system
498	(1F2)	CHARACTER	8	UCMPS_GENRCID	SMCS VTAM Generic Id for the sysplex
506	(1FA)	CHARACTER	8	UCMPS_GENERIC_INUSEBY_SYSTEM	SMCS VTAM Generic Id that is in use by this system
514	(202)	BITSTRING	1	UCMPS_STATUS	SMCS Status
515	(203)	BITSTRING	1		Reserved - Boundary alignment
516	(204)	ADDRESS	4		Reserved (was UCMP*_LPAB_RQ)
520	(208)	ADDRESS	4	UCMPS_EOT_ECB	SMCS End-of-Task ECB
524	(20C)	CHARACTER	8	UCMPS_DWNVLV_MSTR_LU	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (LU name of the failed master console)
Comment					
While the values of these fields do not require a full word, these are passed as parameters to general routines that expect a full word.					
End of Comment					
532	(214)	SIGNED	4	UCMPS_RPL_LEN	Length of an RPL
536	(218)	SIGNED	4	UCMPS_NIB_LEN	Length of a NIB
540	(21C)	SIGNED	4	UCMPS_EXLST_LEN	Length of an Exit List
Comment					
The following are the DSP names and addresses used by SMCS consoles					
End of Comment					
544	(220)	CHARACTER	8	UCMPS_DISPLAY_DSP_NAME	Name of display consoles DSP
552	(228)	ADDRESS	4	UCMPS_DISPLAY_DSP_ADDR	Addr of display consoles DSP
556	(22C)	CHARACTER	8		Reserved
Comment					
DOM Ids for messages that indicate operator action is required to activate a new SMCS Applid or Generic name.					
End of Comment					
564	(234)	SIGNED	4	UCMPS_DOMID_WAIT_4_APPLID_CHANGE	System scope. When non-zero, this system is waiting for VTAM to change the SMCS Applid
568	(238)	SIGNED	4	UCMPS_DOMID_GENERIC	Sysplex-wide. When non-zero, at least one system in the sysplex is not using the current SMCS Generic name. SMCS on those systems need to be recycled
572	(23C)	SIGNED	4	UCMPS_DOMID_APPLID	System scope. When non-zero, this system is using a different applid than requested by the operator. SMCS needs to be recycled
576	(240)	SIGNED	4	UCMPS_DOMID_WAIT_4_ACTIVATION	System scope. When non-zero, this this system is waiting for VTAM to activate the SMCS Applid
580	(244)	ADDRESS	4	UCMPOWCP	Address of temp WTOR cell pool BWCP
584	(248)	ADDRESS	4	UCMPS_VM200_ADDR	Address of IEAVM200. This address is only valid when SMCS is active, and should only be used by SMCS
588	(24C)	ADDRESS	4	UCMPS_DNR_RSV01	Reserved - was UCMPS_CB825_Addr (Addr of IE ECB825. Only for SMCS)
592	(250)	ADDRESS	4	UCMPS_DNR_RSV04	Reserved was UCMPS_CB818_Addr
596	(254)	ADDRESS	4	UCMPS_DNR_RSV02	Reserved - was UCMPS_SWCB_Addr (Addr of IEAVSWCB. Only for SMCS if SMCS active) DO NOT REUSE
600	(258)	ADDRESS	4	UCMPS_DNR_RSV03	Reserved - was UCMPS_SWCS_Addr (Addr of IEAVSWCS. Only for SMCS if SMCS active) DO NOT REUSE
604	(25C)	ADDRESS	4	UCMPS_SYMREC_ADDR	Address of IE ECVSYM. This address is only valid when SMCS is active, and should only be used by SMCS
608	(260)	ADDRESS	4	UCMPS_SMCS_CP_ADDR	Address of SMCS cell pool BWCP
612	(264)	SIGNED	4	UCMPS_DOMID_IEE823E	System scope. When non-zero, this system had a IE ECVSHT subtask failure.
616	(268)	ADDRESS	4	UCMPS_HT_SUBTASK_TCB	SMCS IE ECVSHT subtask TCB address
620	(26C)	ADDRESS	4		Reserved - Was UCMP_TAB_Ptr
624	(270)	SIGNED	4	UCMP_CS_FLAGS	(0)

UCM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
624	(270)	BITSTRING	1	UCMP_CS_FLAGS1	Flags serialized via Compare & Swap
		1... ..		UCMP_TRACKING_ACTIVE	Byte 1 "BIT0" Console Id Tracking Facility active indicator. This must stay until CNZTRKR is no longer supported.
625	(271)	BITSTRING	1	UCMP_CS_FLAGS2	Byte 2
626	(272)	BITSTRING	1	UCMP_CS_FLAGS3	Byte 3
627	(273)	BITSTRING	1	UCMP_CS_FLAGS4	Byte 4
628	(274)	ADDRESS	4	UCMP_SENDTO_ARC_PTR	The table of routing attributes for messages other systems expect this system to send them
632	(278)	BITSTRING	4	UCMP_MSGO_FAILED	Bitmap of systems on which IXCMSGO failed (indexed by XCF slot ID). Serialization is CS
636	(27C)	ADDRESS	4	UCMP_WTOCONNECTANCHOR@	WTO Connect anchor address
640	(280)	SIGNED	4	UCMPOMPF	Orphaned MPF table address
644	(284)	SIGNED	4	UCMPOGNX	Orphaned GENX table address
648	(288)	BITSTRING	4	UCMP_SYSLOG_CNID	Console ID of SYSLOG EMCS
652	(28C)	CHARACTER	8	UCMP_SYSLOG_NAME	Console Name of SYSLOG EMCS
660	(294)	BITSTRING	4	UCMP_DIDOCS_CNID	Console ID of DIDOCS EMCS
664	(298)	CHARACTER	8	UCMP_DIDOCS_NAME	Console Name of DIDOCS EMCS
672	(2A0)	CHARACTER	48	UCMP_LOT_RESTORE_INFO (0)	Parking Lot restore info
672	(2A0)	CHARACTER	24	UCMP_LOT_SD_INFO	Parking Lot Space Descriptor
696	(2B8)	CHARACTER	24	UCMP_LOT_MDBC_SD_INFO	Parking Lot MDB Space Descriptor
720	(2D0)	CHARACTER	8	UCMP_CAS_MDS_NAME	Message dataspace name
728	(2D8)	CHARACTER	8	UCMP_MCACHE_DSP_NAME	Message cache data space name Serialized for update: MCache Latch
736	(2E0)	ADDRESS	4	UCMP_OK_4_CNZI1DCA	ECB indicating VN701 can call DCA
740	(2E4)	ADDRESS	4	UCMP_SUBSYSTEMENTRYTABLE@	Pointer to UCMSET
744	(2E8)	SIGNED	4	UCMP_DOMID_CNZ3015A	Domid for CNZQ1DCQs CNZ3015A
748	(2EC)	ADDRESS	4	UCMP_CNZX1ARC_ADDR	Address of CNZX1ARC
752	(2F0)	SIGNED	4	UCMP_SYSLOG_DOMID_CNZ4201E	- CNZ4201E Syslog Failure DOM id
756	(2F4)	SIGNED	4	UCMP_OPERLOG_DOMID_CNZ4201E	- CNZ4201E Operlog Failure DOM id
760	(2F8)	ADDRESS	4	UCMP_AUXDSMARRAYPTR	Pointer to Aux Data Space Manager Array
764	(2FC)	BITSTRING	1	UCMP_MIGRATION_INSTANCE	Number of times a migration was requested.
765	(2FD)	CHARACTER	3		Reserved for alignment
768	(300)	ADDRESS	4	UCMPADDROFCNZM1GLU	Address of CNZM1GLU
772	(304)	ADDRESS	4	UCMP_CNZINLPA_START@	Start Address of CNZINLPA
776	(308)	ADDRESS	4	UCMP_CNZINLPA_END@	End Address of CNZINLPA
780	(30C)	CHARACTER	32	UCMP_HMCS_NAME_ENQ_TOKEN	Token from ENQ for ENQ on the HMCS console name
812	(32C)	CHARACTER	8	UCMP_HMCS_CONSNAME	Name of our system's HMCS console
820	(334)	CHARACTER	20	UCMPRSVD	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Status Codes For SMCS (field UCMP5_STATUS)					
End of Comment					
820	(334)	X'0'	0	UCMP5_SMCS_NOT_ACTIVE	"0" SMCS is not active
820	(334)	X'1'	0	UCMP5_SMCS_INITIALIZING	"1" SMCS is initializing
820	(334)	X'2'	0	UCMP5_SMCS_WAIT_4_VTAM	"2" SMCS is waiting for VTAM to become active
820	(334)	X'3'	0	UCMP5_SMCS_WAIT_4_APPLID	"3" SMCS is waiting for the SMCS Applid to become active
820	(334)	X'4'	0	UCMP5_SMCS_ACTIVE	"4" SMCS is active
820	(334)	X'5'	0	UCMP5_SMCS_SHUTTING_DOWN	"5" SMCS is shutting down
820	(334)	X'6'	0	UCMP5_SMCS_TERMINATING	"6" SMCS is terminating because of a failure
820	(334)	X'7'	0	UCMP5_SMCS_WAIT_4_APPLID_CHANGE	"7" SMCS is waiting for the SMCS Applid to change

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMEFEXT	, - UCME FIXED EXTENSION (MDC349)
0	(0)	BITSTRING	1	UCMEFLG1	- FLAGS FOR UCME FIXED EXTENSION (MDC350)
		1...		UCMEFLGA	"BIT0" - IF 1, ATTENTION INDEX IN UCMEFATT IS VALID (MDC351)
		.1.		UCMEFLGB	"BIT1" - IF 1, UCBSYSR FOR THIS DEVICE WAS FORCED TO 1 AND SHOULD BE RESTORED TO 0 (MDC352)
		..1.		UCMEFLGC	"BIT2" - RECURSIVE ERROR INDICATOR
		...1		UCMEFLGD	"BIT3" - OPEN IN PROCESS FOR 3270-X
		.... 1..		UCMEF_ISSUE_CNZ4303I	"BIT4" Message CNZ4303I should be issued. Console going from Active to Standby mode
		.... .1..		UCMEF_LOGON_OPTIONAL	"BIT5" Logon is optional for this UCME regardless of CONSOLxx DEFAULT specification.
		.... ..1.		UCMEF_LOGON_REQUIRED	"BIT6" Logon is required for this UCME regardless of CONSOLxx DEFAULT specification.
		.... ...1		UCMEF_AUTOLOG_REQUIRED	"BIT7" Autologon is required for this UCME regardless of CONSOLxx DEFAULT
1	(1)	BITSTRING	1	UCMEFLG2	- FLAG FIELD
		1...		UCMEFSTW	"BIT0" - USE OF THE CONSOLE IS CHANGING
		.1.		UCMEFLRQ	"BIT1" - DISPLAY LOGON PROMPT
		..1.		UCMEFALG	"BIT2" - INITIATE AUTOMATIC LOGON OF CONSOLE
		...1		UCMEFLOG	"BIT3" - CONSOLE HAS AN ACTIVE LOGON
		.... 1..		UCMEFRSV7	"BIT4" - Reserved - Was UCMEALOG
		.... .1..		UCMEFALL	"BIT5" - MESSAGE SCOPE OF *ALL IS BEING USED
		.... ..1.		UCMEFRSV1	"BIT6" - Reserved - was UCMEFPAL (MSCOPE *ALL IS BEING USED FOR PACKET AREA)
		.... ...1		UCMEF_BACKLOG_MSG_ISSUED	"BIT7" CNZ3014I Message Issued
2	(2)	SIGNED	1	UCMEFATT	- ATTENTION INDEX. VALID ONLY IF UCMEFLGA IS 1. (MDC360)
3	(3)	SIGNED	1	UCMEFRSV2	- Reserved - was UCMEFSA1 (SAVED ATTENTION INDEX SERVICE PROCESSOR)
4	(4)	ADDRESS	4	UCMEFPEX	- ADDRESS OF UCME PAGEABLE EXTENSION (MDC362)
8	(8)	SIGNED	1	UCMEFSA2	- ATTENTION INDEX SAVED BY SUBSYS
9	(9)	SIGNED	1	UCMEFDVX	- DEVICE TYPE - SAVED ON FIRST OPEN
10	(A)	BITSTRING	2	UCMEFLVL (0)	- LEVEL OF MESSAGE TO APPEAR ON CONSOLE
10	(A)	BITSTRING	1	UCMEFL1	- FIRST BYTE OF THE MESSAGE LEVEL FLAGS
		1...		UCMEFLR	"BIT0" DISPLAY WTORS
		.1.		UCMEFLIA	"BIT1" DISPLAY IMMEDIATE ACTION MESSAGES
		..1.		UCMEFLCE	"BIT2" DISPLAY CRITICAL EVENTUAL MESSAGES
		...1		UCMEFLE	"BIT3" DISPLAY EVENTUAL ACTION MESSAGES
		.... 1..		UCMEFLI	"BIT4" DISPLAY INFORMATIONAL MESSAGES
		.... .1..		UCMEFLBC	"BIT5" DISPLAY BROADCAST MESSAGES
11	(B)	BITSTRING	1	UCMEFL2	- RESERVED
12	(C)	BITSTRING	4	UCMEFCN (0)	- FOUR-BYTE CONSOLE ID
12	(C)	BITSTRING	1	UCMEFCNC	- CONSOLE CLASS

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
13	(D)	BITSTRING	3	UCMEFCNN	- CONSOLE NUMBER
16	(10)	SIGNED	2	UCMEFRSV3	- Reserved - was UCMEFUTM (DEFAULT UTME VALUE)
18	(12)	SIGNED	1	UCMEFNCS	- NUMBER OF MESSAGE SCOPE VALUES SPECIFIED FOR THIS CONSOLE

Comment

UCMEFMSC is used for queuing, only put flags in it which are to be used for queuing messages.
 If you add flags to UCMEFMSC then you should add them to the corresponding miscellaneous routing bytes in the following macros:
 RCTBMISC (IEAVG101), MCSPMISC and MCSPPMSC (IEAVG116),
 ODTEMISC (IEAVG104), TWRPMISC (IEAVM141),
 MDBCmisc (IEAVM105), XVMISCRT (IHACTM),
 WQEMISC and WMJMMISC (IHAWQE)

End of Comment

19	(13)	BITSTRING	1	UCMEFMSC	- MISCELLANEOUS ROUTING INFORMATION
		1... ..		UCMRSV00	"BIT0" - Reserved. Was UCMEFUD.
		.1.		UCMRSV02	"BIT1" - Reserved. Was UCMEFUDO.
		..1.		UCMEFMS3	"BIT2" - reserved for IBM use
		...1		UCMEFAUT	"BIT3" - reserved for IBM use
		.... 1..		UCMEFHCV	"BIT4" - reserved for IBM use
		.... .1.		UCMEFINT	"BIT5" - Receiving INTIDS (CNID zero)
		.... ..1.		UCMEFUNK	"BIT6" - Receiving UNKNIDS (unknown CNIDs)
20	(14)	SIGNED	1	UCMEFRSV4	- Reserved - was UCMEFPNS (NUMBER OF MSCOPE VALUE SPECIFIED FOR THIS CONSOLE IN THE PACKET AREA)
21	(15)	BITSTRING	1	UCMEFL3	- Flags
		1... ..		UCMEFMSA	"BIT0" - MESSAGE SCOPE OF * IS BEING USED
		.1.		UCMEFCSA	"BIT1" - CMDSYS OF * IS BEING USED
22	(16)	CHARACTER	2	UCMEFRV2	- RESERVED
24	(18)	BITSTRING	16	UCMEFRC	- CONSOLE ROUTING CODES (1-128)
40	(28)	ADDRESS	4	UCMEFRSV6	- Reserved - was UCMEFCMQ
44	(2C)	ADDRESS	4	UCMEFRSV5	- Reserved - was UCMEFBUP (Addr of backup cons id after this cons id switched)
48	(30)	ADDRESS	4	UCMEFCQE	- END OF CQE POINTER
52	(34)	CHARACTER	8	UCMEFCNM	- CONSOLE NAME
60	(3C)	ADDRESS	4	UCMEFSDL	- ADDRESS OF SYSTEM/DEVICE ASSOCIATION LIST (SDAL)
64	(40)	ADDRESS	4	UCMEFSEC	- ADDRESS OF Security information
68	(44)	CHARACTER	8	UCMEFUID	- USERID FROM ACEE

Comment

SMCS Data - Fields starting with UCMEFS_ are unique to SMCS consoles.

End of Comment

76	(4C)	ADDRESS	4	UCMEFS_SNDRPL	SMCS Send RPL address
80	(50)	ADDRESS	4	UCMEFS_RCVRPL	SMCS Receive RPL address
84	(54)	ADDRESS	4	UCMEFS_CLSDST_QUERY_RPL	SMCS CLSDST and Read Partition Query RPL
88	(58)	SIGNED	4	UCMEFS_CID	SMCS Communication Id
92	(5C)	CHARACTER	16		Reserved
92	(5C)	X'6C'	0	UCMEFLEN	**-UCMEFEXT" - LENGTH OF A UCME FIXED EXTENSION (MDC363)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMEPEXT	, - UCME PAGEABLE EXTENSION
0	(0)	CHARACTER	8	UCMEPNME	NAME OF THE SYSTEM COMPONENT WHICH IS USING THIS CONSOLE
8	(8)	SIGNED	2	UCMEPAID	ASID OF THE SYSTEM COMPONENT WHICH IS USING THIS CONSOLE
10	(A)	BITSTRING	2	UCMEPAUT	COPY OF UCMAUTH AT THE TIME THAT THE CONSOLE WAS OBTAINED BY A SYSTEM COMPONENT (SUBSYSTEM)
12	(C)	BITSTRING	1	UCMEPFG1	MISCELLANEOUS FLAGS
		1... ..		UCMEPAIN	"BIT0" - IF ON, AREA IS DEFINED. IF OFF, APPLY DEFAULT
		.1.		UCMEPTFL	"BIT1" - IF ON, OPEN WAS UNABLE TO OBTAIN A TDCM
		..1.		UCMEPPOB	"BIT2" - IF ON, PFK BUFFER WAS OBTAINED
		...1		UCMEPASV	"BIT3" - ASYNCHRONOUSLY UPDATEABLE DATA MAY NOT BE APPLIED (Shared mode only)
		.... 1..		UCMEPEDS	"BIT4" - Device supports Extended Data Stream

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1..		UCMEPFUD	"BIT5" - The UCME contains FUD (for diagnostic purposed only)
Comment					
EQU X'03' - Reserved					
End of Comment					
13	(D)	BITSTRING	2	UCMEPMTR (0)	MONITOR SAVE FLAGS
13	(D)	BITSTRING	1	UCMEPMON	MONITOR SAVE FLAGS, FIRST BYTE
		1...		UCMEPMJ	"BIT0" - MONITOR JOB NAMES SAVE FLAG
		.1..		UCMEPMST	"BIT1" - MONITOR STATUS SAVE FLAG
		..1.		UCMEPM02	"BIT2,,C'X'" - RESERVED
		...1		UCMEPM03	"BIT3,,C'X'" - RESERVED
		.... 1...		UCMEPM04	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMEPMS	"BIT5" - MONITOR SESSIONS SAVE FLAG
		.... ..1.		UCMEPMTM	"BIT6" - MONITOR WITH TIME
		.... ...1		UCMEPM07	"BIT7,,C'X'" - RESERVED
14	(E)	BITSTRING	1	UCMEPMT2	MONITOR SAVE FLAGS, SECOND BYTE
15	(F)	BITSTRING	1	UCMEPFG4	RESERVED - FLAG BYTE 4
16	(10)	CHARACTER	8	UCMEPFKT	NAME OF THE PFK TABLE BEING USED BY THIS CONSOLE
24	(18)	CHARACTER	2	UCMEPFKM	SUFFIX OF THE SYS1.PARMLIB MEMBER WHERE THE PFK TABLE WAS DEFINED
26	(1A)	SIGNED	2	UCMEPARD	- NUMBER OF AREAS DEFINED
28	(1C)	BITSTRING	11	UCMEPARE	- ARRAY OF 11 AREA SIZES
39	(27)	CHARACTER	1	UCMEPCON	- DELETE VERIFICATION CON=(Y,N)
40	(28)	CHARACTER	2	UCMEPDEL	- AUTOMATIC DELETION DEL=(Y ,N ,R ,RD)
42	(2A)	SIGNED	2	UCMEPRTM	- ROLL TIME IN TENTHS OF SECONDS
44	(2C)	SIGNED	1	UCMEPRNM	- ROLL NUMBER
45	(2D)	SIGNED	1	UCMEPSEG	- SEGMENT SIZE
46	(2E)	BITSTRING	1	UCMEPRVA	- Reserved - was UCMEPFSY (Sys id that failed console was active)
47	(2F)	BITSTRING	1	UCMEPRBF	Number of 'last command buffers' to obtain for this console
48	(30)	SIGNED	4	UCMEPTUL	- LENGTH OF AREA CONTAINING RDCM, TDCM, PFK IF ONE EXISTS AND SACBS IF ANY
52	(34)	ADDRESS	4	UCMEP_HMCS_VMPL@	VMPL used for HMCS consoles
56	(38)	CHARACTER	12	UCMEP_RSV01	Reserved. Was UCMEPSRC
68	(44)	ADDRESS	4	UCMEP_CDUPTR	Address of the CDU for this console
72	(48)	CHARACTER	4	UCMEP_DEVNUM	EBCDIC device number of console
76	(4C)	BITSTRING	1	UCMEPA (11)	ARRAY OF 11 FLAG BYTES CORRESPONDING TO EACH AREA DEFINED IN UCMEPARE
		1...		UCMEPUSE	"X'80" AREA CURRENTLY DEFINED, SAME AS DCMAUSE
		.1..		UCMEPADD	"X'40" TRACK IN AREA, SAME AS DCMADD

Comment

EQU X'3F' RESERVED

UCMEPSNM contains different data depending on the system where the console is active.

HBB7750 and above: The name of the system where the console name ENQ is held.

Below HBB7750 : For subsystem consoles, the name of the system where the subsystem console is allocated.

For MCS and SMCS consoles, this field is not used.

End of Comment

87	(57)	CHARACTER	8	UCMEPSNM	Name of system owning console name ENQ
95	(5F)	CHARACTER	8	UCMEPCS	- SYSTEM NAME FOR COMMAND ASSOCIATION
103	(67)	BITSTRING	1	UCMEPRSV6	Reserved - was UCMEPMNR (CONSOLE ATTRIBUTES)
104	(68)	SIGNED	4	UCMEP_DWNLVL_UCMEPSTC	Switched TO console id from downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
108	(6C)	SIGNED	4	UCMEP_DWNLVL_UCMEPSFC	Switched FROM console id from downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
112	(70)	CHARACTER	8	UCMEP_DWNLVL_ALTGRP	- ALTGRP name specified on a downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
120	(78)	CHARACTER	40	UCMEPRSV9	Reserved - was UCMEPCKT (Packet Area)
160	(A0)	CHARACTER	8	UCMEPSYS	SYSTEM VALUE ON CONSOLE

UCM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
168	(A8)	ADDRESS	4	UCMEPSNL	ADDRESS OF CONSOLES SYSTEMS NAMES LIST
172	(AC)	CHARACTER	4	UCMETIOE	ADDRESS OF TIOT ENTRY FOR THIS CONSOLE
176	(B0)	CHARACTER	8	UCMEPTOK	PTOKEN OF CONSOLE DEVICE UCB
184	(B8)	BITSTRING	1	UCMEPROW	Number of rows on the screen
185	(B9)	BITSTRING	1	UCMEPCOL	Number of cols on the screen

Comment

SMCS Data - Fields starting with UCMEPS_ are unique to SMCS consoles.

End of Comment

186	(BA)	BITSTRING	1	UCMEPS_LUTYPE	SMCS LU Type Indicators
		1...		UCMEPS_LU0	"BIT0" Device supports LU 0
		..1.		UCMEPS_LU2	"BIT2" Device supports LU 2
187	(BB)	BITSTRING	1	UCMEPS_FLAGS	SMCS Flags
		1...		UCMEPS_RSV2	"BIT0" Reserved - was UCMEPS_CNSW_INVOKED (Console Switch has already been invoked for this console during close processing)
		...1		UCMEPS_MID_OF_BRACKET	"BIT3" Initially, the device is in the middle of brackets
188	(BC)	ADDRESS	4	UCMEPS_VCBADR	SMCS VTAM Cntl Blk storage address
192	(C0)	SIGNED	4	UCMEPS_VCBLEN	SMCS VTAM Cntl Blk storage length
196	(C4)	ADDRESS	4	UCMEPS_NIB	SMCS NIB address
200	(C8)	ADDRESS	4	UCMEPS_EXLST	SMCS EXLST address
204	(CC)	ADDRESS	4	UCMEPS_LPAB_ADDR	SMCS Logon Processing Anchor Block
208	(D0)	SIGNED	4	UCMEPS_LPAB_LEN	SMCS Logon Processing Anchor Block
212	(D4)	CHARACTER	8	UCMEPS_LUNAME	SMCS LU Name
220	(DC)	CHARACTER	8	UCMEPS_LU_PREDEF	SMCS Predefined with this LU name
228	(E4)	CHARACTER	36	UCMEPS_BIND	SMCS Bind Parameters
264	(108)	ADDRESS	4	UCMEPS_SAVED_XB	Saved UCMXB address for SMCS cleanup routine
268	(10C)	SIGNED	4	UCMEPS_SAVED_TUL	Saved UCMEPTUL value for SMCS cleanup routine
272	(110)	CHARACTER	32	UCMEP_ENQ_TOKEN	Token from ENQ for ENQ on console name
304	(130)	CHARACTER	32	UCMEP_USERID_ENQ_TOKEN	Token from ENQ for ENQ on Userid
336	(150)	CHARACTER	96		Reserved
336	(150)	X'1B0'	0	UCMEPLEN	""-UCMEPEXT" - LENGTH OF A UCME PAGEABLE EXTENSION (MDC365)

Offsets

Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UCMSSET	
0	(0)	CHARACTER	8	UCMSSET_ACRONYM	Acronym - 'UCMSSET '
8	(8)	SIGNED	4	UCMSSET_FLAGS	Flags word
8	(8)	BITSTRING	1	UCMSSET_FLAGS1	Flags first byte

Comment

Bit definitions:

End of Comment

		1...		UCMSSET_STARALL	"X'80" Send message to all subsystems (*ALL specified)
		..1.		UCMSSET_STARNONE	"X'40" Send message to no subsystems (*NONE specified)
9	(9)	CHARACTER	3		Reserved
12	(C)	CHARACTER	164	UCMSSET_TABLE	Table of subsystems
12	(C)	SIGNED	4	UCMSSET_OFSSUBSYSTEMS	Count of subsystems in the list

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
16	(10)	CHARACTER	4	UCMSSET_SUBSYSTEMNAME	Subsystem name vector
176	(B0)	X'B0'	0	UCMSSET_LEN	""-UCMSSET"
176	(B0)	X'C3D4E2'	0	UCMSSET_KACRONYM_0TO3	"C'UCMS" This is the first 4-byte segment of an 8-byte constant.
176	(B0)	X'C5E340'	0	UCMSSET_KACRONYM_4TO7	"C'SET " This is the second 4-byte segment of an 8-byte constant.
176	(B0)	X'28'	0	UCMSSET_KDIMSUBSYSTEMNAME	"40"

UCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
MCSUCM	0	0	UCMAT04	19	4
UCM	0		UCMAUTH	28	
UCM_ABEND077_0BAD			UCMAUTHA	28	0
	50	50	UCMAUTHB	29	0
UCM_CNZMYTSK_ADDR			UCMAUTH1	28	80
	190		UCMAUTH2	28	40
UCM_CNZS1DOM	174		UCMAUTH3	28	20
UCM_CNZS1WTO	170		UCMB_ART@	1A0	
UCM_DEFAULT_RC11			UCMB_BIGACEE_NOTSUPPORTED		
	47	2		194	8
UCM_DNR_RSV02			UCMB_BWRBLIMIT		
	0			144	2000
UCM_DNR_RSV05			UCMB_CS	194	
	14C		UCMB_CS1	194	0
UCM_DNR_RSV06			UCMB_CS2	195	0
	150		UCMB_CS3	196	0
UCM_DWNLVL_UCMAMFA			UCMB_CS4	197	0
	44	8	UCMB_DCCF_WTOR_ROLL_TO_NEXT_CONSOLE_TIME		
UCM_DWNLVL_UCMSYSE				12D	
	54	8	UCMB_DIST_MODE		
UCM_EMCS_CONSOLE_REMOVAL_DONE				12C	40
	47	1	UCMB_IEAVBWGL_STIMER_VALUE		
UCM_IEAVG607	198			19C	0
UCM_IEAVMQWR_DYNAMIC@			UCMB_LAST_ORE@		
	5C			104	
UCM_MEMTOKEN	178		UCMB_MAX#_WQES		
UCM_RESERVE1	1B0	0		88	C350
UCM_STANDBY_CONSOLES_CHECKED			UCMB_MODE_DIST_REQUESTED		
	55	20		12C	8
UCM_SYSTEM_IS_PARTITIONING			UCMB_MODE_DONT_CARE_REQUESTED		
	61	20		12C	20
UCM_WTO_SVC_SWAPPED			UCMB_MODE_FLAGS		
	61	10		12C	0
UCMAAREA	0		UCMB_MODE_IN_TRANSITION		
UCMABUFF	57	80		12C	4
UCMACEHD	10		UCMB_MODE_SHARED_REQUESTED		
UCMACETL	14			12C	10
UCMAECB	4	0	UCMB_MSGLOSS_NOT_SUPPORTED		
UCMAECBA	C			194	20
UCMAEHD	8		UCMB_MSGLOSS_NOTIFY_TIM		
UCMAETL	C			194	10
UCMAF	18	80	UCMB_RSV001	47	4
UCMAHERE	21	20	UCMB_RSV003	CC	0
UCMAIHD	0		UCMB_RSV004	30	0
UCMAITL	4		UCMB_SBCXBWC_ELEMENTS		
UCMAMRF	45	0		1AC	0
UCMAMRFA	45	80	UCMB_SWITCH_NOT_SUPPORTED		
UCMAMRFC	45	8		194	80
UCMAMRFF	57	40	UCMB_TEXTTABLEADDR		
UCMAMRFR	45	2		1A8	
UCMAMRFS	57	20	UCMB_UNSWITCH_CONSOLES		
UCMAMRMX	12E	1FDC		194	40
UCMARSV4	57	10	UCMBF	18	20
UCMARSV5	57	8	UCMBFEXT	F0	
UCMARSV6	57	4	UCMBMPFS	ED	50
UCMARSV7	57	2	UCMBRDST	15C	0
UCMARSV8	57	1	UCMCBID	140	E4C3D440
UCMASCB	118		UCMCF	18	10
UCMATR	19		UCMCHKHG	F8	1E

UCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCMCMDDPT	13C		UCMEFALG	1	20
UCMCMDDQR	134		UCMEFALL	1	4
UCMCMID	58	0	UCMEFATT	2	
UCMCMNFX	CC		UCMEFAUT	13	10
UCMCONVP	130		UCMEFCN	C	
UCMCPFTA	B0		UCMEFCNC	C	
UCMCQECP	154	0	UCMEFCNM	34	
UCMCTIC	44	80	UCMEFCNN	D	
UCMCTID	FA	0	UCMEFCQE	30	
UCMCUCME	84		UCMEFCSA	15	40
UCMDCB	8		UCMEFDVX	9	
UCMDECB	C		UCMEFEXT	0	
UCMDECBA	14		UCMEFHXY	13	8
UCMDEVA	3F	80	UCMEFINT	13	4
UCMDEVC	3F		UCMEFLBC	A	4
UCMDEVD	3F	10	UCMEFLCE	A	20
UCMDEVE	3F	8	UCMEFLE	A	10
UCMDEVF	3F	4	UCMEFLEN	5C	6C
UCMDIDCS	21	4	UCMEFLGA	0	80
UCMDIDL	58		UCMEFLGB	0	40
UCMDISP	2A		UCMEFLGC	0	20
UCMDISPC	2A	20	UCMEFLGD	0	10
UCMDISPD	2A	10	UCMEFLG1	0	
UCMDISPE	2A	8	UCMEFLG2	1	
UCMDISPF	2A	4	UCMEFLI	A	8
UCMDISPG	2A	2	UCMEFLIA	A	40
UCMDISPI	2B	80	UCMEFLOG	1	10
UCMDISPJ	2B	40	UCMEFLR	A	80
UCMDISPK	2B	20	UCMEFLRQ	1	40
UCMDISPL	2B	10	UCMEFLVL	A	
UCMDISPM	2B	8	UCMEFL1	A	
UCMDISPN	2B	4	UCMEFL2	B	
UCMDISPX	2B	2	UCMEFL3	15	
UCMDISP1	2A		UCMEFMSA	15	80
UCMDISP2	2B		UCMEFMSC	13	
UCMDOME	4C		UCMEFMS3	13	20
UCMDOMLE	54		UCMEFNCS	12	
UCMDRSVB	2A	40	UCMEFPEX	4	
UCMDUCBA	80		UCMEFRC	18	
UCME_AVAILABLE_4_REUSE			UCMEFRSV1	1	2
	21	4	UCMEFRSV2	3	
UCME_DO_NOT_ENTER_STANDBY			UCMEFRSV3	10	
	21	1	UCMEFRSV4	14	
UCME_DWNLVL_MC			UCMEFRSV5	2C	
	2A	80	UCMEFRSV6	28	
UCME_IN_STANDBY			UCMEFRSV7	1	8
	19	8	UCMEFRV2	16	
UCME_RSV01	3E	0	UCMEFSCID	58	
UCME_RSV02	3F	20	UCMEFSCLSDST_QUERY_RPL		
UCME_RSV03	2A	1		54	
UCME_STANDBY_PENDING			UCMEFSCVRPL		
	21	2		50	
UCME_STANDBY_SUPPORTED			UCMEFSCNDRPL		
	19	20		4C	
UCMECB	0		UCMEFSA2	8	
UCMECBFA	0	FA	UCMEFSDL	3C	
UCMECBFB	0	FB	UCMEFSEC	40	
UCMECBFC	0	FC	UCMEFSTW	1	80
UCMECBFD	0	FD	UCMEFUID	44	
UCMECBFE	0	FE	UCMEFUNK	13	2
UCMECBFF	0	FF	UCMEGCHG	21	80
UCMECBF9	0	F9	UCMEIL	0	
UCMEDEVX	1B		UCMEMCLS	18	2
UCMEF_AUTOLOG_REQUIRED			UCMEND	4C	0
	0	1	UCMENHR	28	40
UCMEF_BACKLOG_MSG_ISSUED			UCMEP_CDUPTR	44	
	1	1	UCMEP_DEVNUM	48	
UCMEF_ISSUE_CNZ4303I			UCMEP_DWNLVL_ALTGRP		
	0	8		70	
UCMEF_LOGON_OPTIONAL			UCMEP_DWNLVL_UCMEPSFC		
	0	4		6C	
UCMEF_LOGON_REQUIRED			UCMEP_DWNLVL_UCMEPSTC		
	0	2		68	
UCMEFAIL	21	8	UCMEP_ENQ_TOKEN		

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
	110		UCMEPSNL	A8	
UCMEP_HMCS_VMPL@			UCMEPSNM	57	
	34		UCMEPSYS	A0	
UCMEP_RSV01	38		UCMEPTFL	C	40
UCMEP_USERID_ENQ_TOKEN			UCMEPTOK	B0	
	130		UCMEPTUL	30	
UCMEPA	4C		UCMEPUSE	4C	80
UCMEPADD	4C	40	UCMES_ACTVE	22	20
UCMEPAID	8		UCMES_ALLOC	22	40
UCMEPAIN	C	80	UCMES_CLEANUP_IN_PROGRESS		
UCMEPARD	1A			22	10
UCMEPARE	1C		UCMES_DEVICE_WAS_BUSY		
UCMEPASY	C	10		22	4
UCMEPAUT	A		UCMES_FLAGS	22	
UCMEPCOL	B9		UCMES_LOGOFF_IN_PROGRESS		
UCMEPCON	27			22	8
UCMEPCS	5F		UCMES_SMCS	22	80
UCMEPDEL	28		UCMESIZE	4C	50
UCMEPEDS	C	8	UCMETIOE	AC	
UCMEPEXT	0		UCMEXITF	9E	
UCMEPG1	C		UCMEXIT1	9E	0
UCMEPG4	F		UCMEXIT2	9F	0
UCMEPFKM	18		UCMEXSSI	45	4
UCMEPFKT	10		UCMF_CNZC2HLN@		
UCMEPFUD	C	4		34	
UCMEPLEN	150	1B0	UCMF_DWNLVL_UCMFATCN		
UCMEPMJ	D	80		24	
UCMEPMON	D		UCMF_DWNLVL_UCMFCSYN		
UCMEPMS	D	4		E0	
UCMEPMST	D	40	UCMF_IEAVN701_INIT_COMPLETE		
UCMEPMTM	D	2		1A	40
UCMEPMTR	D		UCMF_MT_ADDR	164	
UCMEPMT2	E		UCMF_Q1MDQ_DYNAMIC		
UCMEPM02	D	20		16C	
UCMEPM03	D	10	UCMF_RSV01	1A	10
UCMEPM04	D	8	UCMF_RSV02	A8	
UCMEPM07	D	1	UCMF_TEXTTABLEADDR		
UCMEPNME	0			168	
UCMEPPOB	C	20	UCMFAHTP	F8	
UCMEPRBF	2F		UCMFAMRN	44	
UCMEPRNM	2C		UCMFAMRS	4E	
UCMEPROW	B8		UCMFCCEP	C4	
UCMEPRVA	2E		UCMFCLAD	EC	
UCMEPRSV6	67		UCMFCLRA	58	
UCMEPRSV9	78		UCMFCLTP	BC	
UCMEPRTM	2A		UCMFCLTS	C8	
UCMEPS_BIND	E4		UCMFCMDL	94	
UCMEPS_EXLST	C8		UCMFCMIN	B	40
UCMEPS_FLAGS	BB		UCMFCMTP	AC	
UCMEPS_LPAB_ADDR			UCMFCQSD	A	10
	CC		UCMFCSTP	B8	
UCMEPS_LPAB_LEN			UCMFCTCA	148	
	D0		UCMFCWKP	144	
UCMEPS_LU_PREDEF			UCMFDMPA	F0	
	DC		UCMFD SQN	70	
UCMEPS_LUNAME			UCMFEB SZ	4F	
	D4		UCMFELEN	2C	
UCMEPS_LUTYPE			UCMFELST	30	
	BA		UCMFEQSD	A	20
UCMEPS_LU0	BA	80	UCMFEXTA	0	
UCMEPS_LU2	BA	20	UCMFEXTP	48	
UCMEPS_MID_OF_BRACKET			UCMFE1ST	28	
	BB	10	UCMFFLG1	8	
UCMEPS_NIB	C4		UCMFFLG2	9	
UCMEPS_RSV2	BB	80	UCMFFLG3	A	
UCMEPS_SAVED_TUL			UCMFHCRT	74	
	10C		UCMFHOLD	B	10
UCMEPS_SAVED_XB			UCMFHPRT	98	
	108		UCMFIBSZ	4C	
UCMEPS_VCBADR			UCMFIQSD	A	40
	BC		UCMFLOGA	B	2
UCMEPS_VCBLEN			UCMFLOGR	B	4
	C0		UCMFMGFS	8	
UCMEPSEG	2D		UCMF MISC	B	

UCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCMFMS2	1A		UCMFMSV18	44	
UCMFMS3	95		UCMFMSYID	6C	
UCMFMITP	C0		UCMFMSYNL	1A	8
UCMFMPFP	54		UCMFMSYNM	64	
UCMFMSG8	8	40	UCMFMTSWA	100	
UCMFMSG9	9	8	UCMFUCMF	0	
UCMFMSG6	8	80	UCMFUDTK	FC	
UCMFMSG7	9	80	UCMFUMPF	9	4
UCMFMSG9	9	10	UCMFUTOK	C	
UCMFOMD	CC		UCMFWCTA	108	
UCMFPCMP	1A	2	UCMFWQEC	104	
UCMFPCOK	1A	80	UCMFWQES	20	
UCMFPPTR	4		UCMFWRID	B	80
UCMFPUUCM	114		UCMFWSVP	DC	
UCMFRACT	B	1	UCMF043D	84	
UCMFRCD8	D8		UCMF4RSV	B	8
UCMFRMCP	40		UCMF440	1A	1
UCMFRQSD	A	80	UCMF60OR	16	
UCMFRRAD	120		UCMF60WQ	10	
UCMFRSVD	A	8	UCMF606	110	
UCMFRSVE	A	4	UCMF75MR	46	
UCMFRSVF	A	2	UCMF80MR	48	
UCMFRSVG	A	1	UCMF80OR	18	
UCMFRSVH	B	20	UCMF80WQ	12	
UCMFRSVI	8	20	UCMF95MR	4A	
UCMFRSVJ	1C		UCMF95WQ	14	
UCMFRSV4	96		UCMGENXP	5C	
UCMFRSV5	F4		UCMGLBCH	19	1
UCMFRXAD	E8		UCMHCENT	47	10
UCMFS_CPME	158		UCMHMCS	1B	1F
UCMFS_CPME_CONTRACT_CELL_POOL			UCMID	1A	
	14	F9	UCMIECBA	20	
UCMFS_CPME_EXPAND_CELL_POOL			UCMIECBE	20	80
	14	FA	UCMIECBF	20	
UCMFS_HT_ECB	15C		UCMIECBP	21	
UCMFS_HT_TERME			UCMIF	19	40
	160		UCMINCLR	19	2
UCMFS_START8	170		UCMINTCB	148	
UCMFS_TERME	154		UCMINUSE	21	10
UCMFS_TERME_OK_2_CLOSE			UCMJES3T	128	
	14	FB	UCMLECB	C	0
UCMFS_TERME_TP8END_HALT			UCMLIST	0	
	14	FE	UCMLOGS	47	40
UCMFS_TERME_TP8END_HALT_CANCEL			UCMLSTP	14	
	14	FC	UCMMBEND	FC	
UCMFS_TERME_TP8END_HALT_QUICK			UCMMBPTR	E8	
	14	FD	UCMMCS_RSV01	56	0
UCMFSAVE	0		UCMMCSF	47	8
UCMFSAVP	50		UCMMD202	47	20
UCMF5MTA	B4		UCMMFLG3	61	
UCMF5NL	1B		UCMMFLG4	8C	
UCMF5RB	118		UCMMISCF	9D	
UCMF5STAT	44	2	UCMMLAST	40	
UCMF5T2A	10C		UCMMNECB	D4	0
UCMF5UBA	90		UCMMNTR	D0	
UCMF5VDM	6D		UCMMODE	44	
UCMF5VLN	44	48	UCMMODE2	47	0
UCMF5V01	0		UCMMQEND	E0	
UCMF5V02	4		UCMMQNXT	E4	
UCMF5V03	8		UCMMQPTR	DC	
UCMF5V04	C		UCMMRSV4	61	8
UCMF5V05	10		UCMMRSV5	61	4
UCMF5V06	14		UCMMRSV6	61	2
UCMF5V07	18		UCMMRSV7	61	1
UCMF5V08	1C		UCMM5G	3C	
UCMF5V09	20		UCMM5GA	3C	80
UCMF5V10	24		UCMM5GB	3C	40
UCMF5V11	28		UCMM5GD	3C	10
UCMF5V12	2C		UCMM5GF	3C	4
UCMF5V13	30		UCMM5GG	3C	2
UCMF5V14	34		UCMM5G1	3C	
UCMF5V15	38		UCMM5G2	3D	
UCMF5V16	3C		UCMM5SRP	164	
UCMF5V17	40		UCMM2SLX	9E	80

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCMNAME	10			4C	
UCMNIPD	62		UCMP_HMCS_RDCM_TDCM_SIZE	50	
UCMNWTOP	168		UCMP_IEAVN615_COMPLETE_ECB	164	
UCMOECB	8	0	UCMP_LOT_MDBC_SD_INFO	2B8	
UCMOECBA	10		UCMP_LOT_RESTORE_INFO	2A0	
UCMOECBH	108		UCMP_LOT_SD_INFO	2A0	
UCMOECBT	10C		UCMP_MCACHE_DSP_NAME	2D8	
UCMOF	19	80	UCMP_MCS_CHANGE_ECB	AC	
UCMOGCE	44	4	UCMP_MFA_INIT@	94	
UCMOPLGF	8C	4	UCMP_MFA_MSG@	8C	
UCMOPSA	8C	40	UCMP_MFA_STARTATIPL	60	10
UCMOPSD	8C	10	UCMP_MFA_SUFFIX	80	
UCMOPSEA	8C	8	UCMP_MFAT@	178	
UCMOPSEO	88	0	UCMP_MIGRATION_INSTANCE	2FC	
UCMOPSEP	98		UCMP_MSGO_FAILED	278	
UCMOPSES	94		UCMP_OK_4_CNZ11DCA	2E0	
UCMOPSS	8C	80	UCMP_ONDEMAND_AUTOR_ECB	68	
UCMOPSV	8C	20	UCMP_OPERLOG_DOMID_CNZ4201E	2F4	
UCMOPS6	8C	2	UCMP_ORE_Q_REPAIR_RTN	B0	
UCMOPS7	8C	1	UCMP_RSV001	184	
UCMOPRECP	110	0	UCMP_SENDTO_ARC_PTR	274	
UCMOUTQ	24		UCMP_SUBSYSTEMENTRYTABLE@	2E4	
UCMOVRDE	47	80	UCMP_SYSLOG_CNID	288	
UCMOWTOR	180		UCMP_SYSLOG_DOMID_CNZ4201E	2F0	
UCMP_AUXDSMARRAYPTR	2F8		UCMP_SYSLOG_NAME	28C	
UCMP_CAS_MDS_NAME	2D0		UCMP_TRACKING_ACTIVE	270	80
UCMP_CNZINLPA_END@	308		UCMP_WTOCONNECTANCHOR@	27C	
UCMP_CNZINLPA_START@	304		UCMPADDRFCNZM1GLU	300	
UCMP_CNZ1CDP_COMPLETE_ECB	168		UCMPAMRB	57	
UCMP_CNZK1CMB@	6C		UCMPAMRC	18	
UCMP_CNZX1ARC_ADDR	2EC		UCMPAMRF	1C	
UCMP_CNZZ050E_DOMID	90		UCMPAMRI	D8	
UCMP_CONSDEFN@	16C		UCMPAMRR	20	
UCMP_CS_FLAGS	270		UCMPAMRS	14	
UCMP_CS_FLAGS1	270		UCMPCNEV	150	
UCMP_CS_FLAGS2	271		UCMPCNXX	B4	
UCMP_CS_FLAGS3	272		UCMPCTRP	120	
UCMP_CS_FLAGS4	273		UCMPCTSC	198	
UCMP_DIDOCES_CNID	294		UCMPDCDM	188	
UCMP_DIDOCES_NAME	298		UCMPDMMH	D0	
UCMP_DOMID_CNZ3015A	2E8		UCMPDMLL	D0	
UCMP_DOUEXIT	60	8	UCMPDMMS	D1	
UCMP_DWNLVL_UCMPMDEV	E4		UCMPDMSG	18C	
UCMP_DWNLVL_UCMPMSYN	EC		UCMPDMSH	E8	
UCMP_DWNLVL_UCMPNCC	C		UCMPDMSL	E9	
UCMP_DWNLVL_UCMPNMCC	8		UCMPDMSN	E8	
UCMP_HMCS_CONSNAME	32C		UCMPDM1	4	
UCMP_HMCS_LISTEN_TOKEN	48		UCMPECBA	C4	
UCMP_HMCS_NAME_ENQ_TOKEN	30C		UCMPECBB	C8	
UCMP_HMCS_RDCM_TDCM_SAVED@					

UCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCMPECBD	F4		UCMPS_APPLID	1E1	
UCMPECBE	130		UCMPS_APPLID_AREA		
UCMPECBF	134			1E0	
UCMPECBM	3C		UCMPS_APPLID_INUSEBY_AREA		
UCMPECBU	144			1E9	
UCMPECBX	140		UCMPS_APPLID_INUSEBY_LEN		
UCMPECB1	40			1E9	
UCMPECB2	44		UCMPS_APPLID_INUSEBY_SYSTEM		
UCMPECB4	A0			1EA	
UCMPECB5	A4		UCMPS_APPLID_LEN		
UCMPECB6	A8			1E0	
UCMPECB7	B8		UCMPS_CLNUP	1B8	
UCMPECB8	C0		UCMPS_CLSEXIT		
UCMPECB9	9C			1C0	
UCMPECEV	154		UCMPS_DISPLAY_DSP_ADDR		
UCMPELEN	34			228	
UCMPELST	38		UCMPS_DISPLAY_DSP_NAME		
UCMPEXTA	0			220	
UCMPE1ST	30		UCMPS_DNR_RSV01		
UCMPF	18	40		24C	
UCMPFLG1	60		UCMPS_DNR_RSV02		
UCMPFPTR	E0			254	
UCMPFTOD	DC		UCMPS_DNR_RSV03		
UCMPGECB	17C			258	
UCMPHUNG	14C		UCMPS_DNR_RSV04		
UCMPLOCO	60	4		250	
UCMPLOGL	118		UCMPS_DOMID_APPLID		
UCMPLT80	84			23C	
UCMPL100	88		UCMPS_DOMID_GENERIC		
UCMPMEST	12C			238	
UCMPMFRR	128		UCMPS_DOMID_IEE823E		
UCMPMMSM	82			264	
UCMPMPFD	24		UCMPS_DOMID_WAIT_4_ACTIVATION		
UCMPMPFM	11C			240	
UCMPNECB	98		UCMPS_DOMID_WAIT_4_APPLID_CHANGE		
UCMPOGNX	284			234	
UCMPOMPF	280		UCMPS_DWNLVL_MSTR_LU		
UCMPOREC	28			20C	
UCMPORES	2C		UCMPS_EOT_ECB		
UCMPOWCP	244			208	
UCMPPART	BC		UCMPS_EXITLST		
UCMPPFKC	60	20		1C8	
UCMPPFKM	62		UCMPS_EXLST_LEN		
UCMPPFKT	78			21C	
UCMPQWRR	58		UCMPS_GENERIC_INUSEBY_SYSTEM		
UCMPRACN	158			1FA	
UCMPRANM	15C		UCMPS_GENRCID		
UCMPRCLC	170			1F2	
UCMPRFX	0		UCMPS_HT_SUBTASK_TCB		
UCMPRFXP	A4			268	
UCMPROUT	B6		UCMPS_LGLEXIT		
UCMPRSVD	334			1A8	
UCMPRSVH	7C		UCMPS_LGNEXIT		
UCMPRSVK	100			19C	
UCMPRSVO	54		UCMPS_LSTEXIT		
UCMPRSVP	56			1AC	
UCMPRSVQ	56	80	UCMPS_MAINRTN_TCB		
UCMPRSVR	56	40		1DC	
UCMPRSVS	56	20	UCMPS_NIB_LEN		
UCMPRSVT	56	10		218	
UCMPRSVU	64		UCMPS_NIBADDR		
UCMPRSVW	110			1D0	
UCMPRSVX	190		UCMPS_RCVEXIT		
UCMPRSVY	194			1BC	
UCMPRSV2	70		UCMPS_RPL_LEN		
UCMPRSV3	61			214	
UCMPRSV4	56	8	UCMPS_RSPEXIT		
UCMPRSV5	56	4		1B0	
UCMPRSV6	56	2	UCMPS_SETLRPL		
UCMPRSV7	56	1		1CC	
UCMPRTQE	138		UCMPS_SMCS_ACTIVE		
UCMPRTQS	13C			334	4
UCMPS_ACBADDR			UCMPS_SMCS_CP_ADDR		
	1C4			260	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCMPS_SMCS_INITIALIZING			UCMRSVD8	3F	2
	334	1	UCMRSVF3	9C	4
UCMPS_SMCS_NOT_ACTIVE			UCMRSVF4	9C	20
	334	0	UCMRSVF5	9C	10
UCMPS_SMCS_SHUTTING_DOWN			UCMRSVF6	9C	8
	334	5	UCMRSVF7	54	1
UCMPS_SMCS_TERMINATING			UCMRSVF9	55	8
	334	6	UCMRSV0B	9D	2
UCMPS_SMCS_WAIT_4_APPLID			UCMRSV0C	9D	1
	334	3	UCMRSV00	13	80
UCMPS_SMCS_WAIT_4_APPLID_CHANGE			UCMRSV02	13	40
	334	7	UCMRSV03	64	
UCMPS_SMCS_WAIT_4_VTAM			UCMRSV05	38	
	334	2	UCMRSV06	3C	
UCMPS_SINDEXIT			UCMRSV07	60	
	1B4		UCMRSV08	9C	2
UCMPS_STATUS			UCMRSV09	9C	1
	202		UCMRSV15	3	0
UCMPS_SYMREC_ADDR			UCMRSV19	28	10
	25C		UCMRSV20	28	8
UCMPS_SYNEXIT			UCMRSV21	28	4
	1A4		UCMRSV22	28	2
UCMPS_TPDEXIT			UCMRSV23	28	1
	1A0		UCMRSV27	3C	1
UCMPS_VCBADDR			UCMRSV30	20	8
	1D4		UCMRSV49	12C	2
UCMPS_VCBLEN			UCMRSV50	12C	1
	1D8		UCMRSV62	1	0
UCMPS_VM200_ADDR			UCMRSV67	15E	0
	248		UCMRSV69	8D	
UCMPSTKN			UCMRSV70	3C	20
	F8		UCMRSV71	3C	8
UCMPSWCT			UCMRSV74	14	
	180		UCMRSV77	45	40
UCMPSWRK			UCMRSV78	45	20
	5C		UCMRSV79	45	10
UCMPSYN			UCMRSV81	45	1
	108		UCMRSV85	2	0
UCMPTCBU			UCMRSV86	23	
	148		UCMRSV91	9D	80
UCMPUCMP			UCMRSV92	9D	40
	0		UCMRSV95	1A	20
UCMPUXIT		40	UCMRSV98	9D	10
	60		UCMRTCT	2	0
UCMPWERA		80	UCMRV008	8	1
	60		UCMRWCLE	1B	1D
UCMPWQE			UCMRWCLN	1B	1E
	4		UCMR0MSG	160	0
UCMPWQES			UCMS_FAILURE_STATUS		
	10			5D	0
UCMPXA			UCMS_SMCS_ACTIVE		
	40			5D	80
UCMPXB			UCMS_SMCS_CLOSING_ABNORMAL		
	44			5D	10
UCMPXITA		2	UCMS_SMCS_CLOSING_FAILURE		
	60			5D	8
UCMPXTDF		1	UCMS_SMCS_CLOSING_NORMAL		
	60			5D	40
UCMP7603			UCMS_SMCS_CLOSING_QUICK		
	D4			5D	20
UCMQSCAN			UCMS_SMCS_FAILED		
	138			5D	4
UCMRCT			UCMS_SMCS_FAILED_NO_RETRY		
	44			5D	2
UCMREFSH		80	UCMS_VTAM_ACCESS_WAITTIME		
	61			5E	F1F5
UCMRMAX		0	UCMSAVE0	4	
	24		UCMSAVE4	8C	0
UCMRPYF			UCMSBPTR	16C	
	28		UCMSBR	4	
UCMRPYF1		0	UCMSDS1	9C	
	28		UCMSDS1A	9C	80
UCMRPYF2		0	UCMSDS1B	9C	40
	29		UCMSDS5	20	0
UCMRPYIL		0			
	2A				
UCMRPYIP					
	20				
UCMRPYL		0			
	4				
UCMRPYLV		0			
	5C				
UCMRPYQ					
	1C				
UCMRPY01		80			
	28				
UCMRP2AD					
	F4				
UCMRQLM		0			
	2C				
UCMRQNR		0			
	38				
UCMRSVA1					
	D0				
UCMRSVA2					
	D4				
UCMRSVA3					
	2C				
UCMRSVB5		40			
	61				
UCMRSVC0		1			
	3F				
UCMRSVC6		10			
	55				
UCMRSVC7		1			
	55				
UCMRSVC9		0			
	60				
UCMRSVD0		0			
	0				
UCMRSVD1					
	8				
UCMRSVD2					
	1C				
UCMRSVD4		10			
	54				
UCMRSVD5		40			
	21				
UCMRSVD6		38			
	38				
UCMRSVD7		40			
	3F				

UCM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
UCMSDS5A	20	80	UCMSYSO	55	2
UCMSDS5B	20	40	UCMTA	18	8
UCMSDS5C	20	20	UCMTB	18	4
UCMSDS5D	20	10	UCMTC	18	1
UCMSDS5F	20	4	UCMTPUTA	44	20
UCMSDS5G	20	2	UCMTRECB	D8	0
UCMSDS5H	20	1	UCMUCASZ	38	5E
UCMSFLGS	54		UCMUCB	C	
UCMSFLG1	54		UCMUECB	10	0
UCMSFLG2	55		UCMUECBA	18	
UCMSPLXQ	44	40	UCMUF	19	10
UCMSP13	46	1	UCMULGTH	3A	50
UCMSP211	46	2	UCMUPEA	80	
UCMSP220	46	3	UCMUPEB	84	
UCMSP410	46	4	UCMUREFP	114	
UCMSP420	46	5	UCMUSIZE	38	50
UCMSP422	46	6	UCMVDATA	48	
UCMSP440	46	7	UCMVEA	48	
UCMSP51X	46	8	UCMVEL	50	
UCMSSET	0		UCMVEZ	4C	
UCMSSET_#OFSUBSYSTEMS			UCMVMPL	4C	
	C		UCMVRID	46	F
UCMSSET_ACRONYM			UCMVRSN	46	
	0		UCMVSTKN	64	
UCMSSET_FLAGS			UCMVWTCB	14C	
	8		UCMWAKUP	124	
UCMSSET_FLAGS1			UCMWADONE	9D	4
	8		UCMWLAST	34	
UCMSSET_KACRONYM_0TO3			UCMWMDX	9E	40
	B0	C3D4E2	UCMWQADA	150	
UCMSSET_KACRONYM_4TO7			UCMWQECT	100	0
	B0	C5E340	UCMWQEND	3C	0
UCMSSET_KDIMSSUBSYSTEMNAME			UCMWQLM	2E	0
	B0	28	UCMWQLM1	EE	0
UCMSSET_LEN	B0	B0	UCMWQNR	34	0
UCMSSET_STARALL			UCMWTOQ	18	
	8	80	UCMWTOX	50	
UCMSSET_STARNONE			UCMWU100	9D	20
	8	40	UCMWU400	9D	8
UCMSSET_SUBSYSTEMNAME			UCMXA	1A	
	10		UCMXB	1C	
UCMSSET_TABLE			UCMXSA	68	
	C		UCMXSLID	EC	0
UCMSSIBP	158	0	UCMZV1R5	46	9
UCMSTS	18		UCMZV142	46	A
UCMSVA0	4	0	UCMZV180	46	F
UCMSVB0	8	0	UCM1SYS	44	1
UCMSVC0	C	0	UCM1WD	68	
UCMSVD0	10	0	UCM2DRCS	0	0
UCMSVE0	14	0	UCM2DSTR	8	10
UCMSVF0	18	0	UCM2DTAK	8	20
UCMSVG0	1C	0	UCM2EXT	0	
UCMSVH0	20	0	UCM2FAIL	8	2
UCMSVI0	24	0	UCM2PST	4	
UCMSVJ0	28	0	UCM2PTR	A0	
UCMSVK0	2C	0	UCM2REC	8	4
UCMSVL0	30	0	UCM2SDWA	8	80
UCMSVM0	34	0	UCM2SENT	8	40
UCMSVN0	38	0	UCM2SFLG	8	0
UCMSVO0	3C	0	UCM2STAA	10	
UCMSVP0	40	0	UCM2TOKN	C	0
UCMSVQ0	44	0	UCM2WD	6C	
UCMSVR0	48	0	UCM2WTOI	8	8
UCMSWCH	11C		UCM2732E	1B	16
UCMSWECB	7C	0	UCM3WD	70	
UCMSYPLX	44	10	UCM3160E	1B	18
UCMSYSB	54	40	UCM3180E	1B	17
UCMSYSC	54	20	UCM3211	1B	6
UCMSYSF	54	4	UCM3215	1B	7
UCMSYSG	54	2	UCM3270X	1B	15
UCMSYSHC	54	80	UCM32772	1B	9
UCMSYSI	55	80	UCM32782	1B	B
UCMSYSJ	55	40	UCM32783	1B	D
UCMSYSN	55	4	UCM32784	1B	E

Name	Hex Offset	Hex Value
UCM3284	1B	13
UCM3782A	1B	C
UCM3792A	1B	F
UCM3792B	1B	10
UCM3792C	1B	14
UCM3793A	1B	11
UCM3793B	1B	12
UCM4WD	74	
UCM4380E	1B	19
UCM5WD	78	
UCM5006E	1B	1C
UCM6WD	7C	
UCM6260E	1B	1B
UCM6280E	1B	1A

UPL Information

UPL Heading Information

Common Name: UCB Pointer List
Macro ID: IEFZB461
DSECT Name: UPL
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UPL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 241
 Key: 1
 Residency: Above 16M line
Size: 16 bytes + 4 bytes for each UCB generated in the system
Created by: IEFAB4I1 (UPL Build routine)
Pointed to by: EDTUPLP field of the EDT data area (IEFZB421)
Serialization: Same as EDT
Function: This table contains the Unit Control Block (UCB) address for each device in the system. The entries are in the same order as the device numbers in the device number section of the Eligible Device Table (EDT).

UPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	UPL	UCB POINTER LIST
0	(0)	CHARACTER	16	UPLHDR	HEADER
0	(0)	CHARACTER	4	UPLID	'UPL '
4	(4)	SIGNED	4	UPLNO	NUMBER OF ENTRIES
8	(8)	SIGNED	4	UPLNUCBS	Number of tape and DA UCBs in the system. This is used by device allocation and initialized by IEFAB4I0.
12	(C)	CHARACTER	4	*	RESERVED
16	(10)	ADDRESS	4	UPLUCBA (*)	UCB ADDRESSES

URLB Information

URLB Heading Information

Common Name: URLB - Unconditional Reserve block
Macro ID: IOSDURLB
DSECT Name: URLB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: URLB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
Size: See Listing
Created by: IOSVURVL
Pointed to by: N/A
Serialization: N/A
Function: This macro describes the layout of the unconditional reserve processing work area obtained from Subpool 245 in module IOSVURVL.

URLB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1632	URLB	URLB block
0	(0)	CHARACTER	24	*	
0	(0)	CHARACTER	4	URLBID	U/R ID - 'URLB'
4	(4)	CHARACTER	4	URLBCHNF	Chain field
8	(8)	CHARACTER	2	URLBDEVN	Device number undergoing U/R (UCBCHAN value)
Comment					
U/R - Processing Flags					
End of Comment					
10	(A)	CHARACTER	2	URLBFLGS	U/R processing flags
10	(A)	BITSTRING	1	URLBFLG1	Flag byte 1
		1... ..		URLBRENT	1 - Not first entry in IOSVURDT for this U/R processing
		.1.		URLBDET	Detection processing complete in IOSVURDT
		..11 11..		*	Reserved
		.... ..1.		URLBRACW	Reset allegiance CCW supported
		.... ...1		URLBURCW	UR CCW supported
11	(B)	BITSTRING	1	URLBFLG2	Flag byte 2
		1... ..		URLBURDT	IOSVURDT entered
		.1.		URLBMSLG	IOSVMSLG entered
		..1.		URLBURS1	
		...1 1111		*	Reserved
Comment					
U/R - Subpool number and length of U/R work area					
End of Comment					
12	(C)	UNSIGNED	2	URLBSUBP	Subpool number
14	(E)	UNSIGNED	2	URLBLNTH	U/R work area length
Comment					
U/R - Miscellaneous processing flags and counts					
End of Comment					
16	(10)	CHARACTER	4	*	
16	(10)	BITSTRING	1	URLBDTCT	Count of IECVPST entries
17	(11)	BITSTRING	1	URLBFLG3	Flag byte 3 - reserved
18	(12)	BITSTRING	1	URLBFLG4	Flag byte 4 - reserved
19	(13)	BITSTRING	1	URLBFLG5	Flag byte 5 - reserved
20	(14)	CHARACTER	4	*	Reserved

URLB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
						Comment
U/R CCWs --- Must be on double word boundary Sense , SNID and RSTA Commands						
						End of Comment
24	(18)	CHARACTER	8	*		
24	(18)	CHARACTER	8	URLBSCCW		
						Comment
U/R - URVL and URSV parameter areas						
						End of Comment
32	(20)	CHARACTER	40	*		
32	(20)	CHARACTER	8	URLBURVL	Callers URVL parameter area save area	
40	(28)	CHARACTER	32	URLBURSV	URSV Parameter area for recovery action communication	
						Comment
U/R - SRB, IOSB and channel program.						
						End of Comment
72	(48)	CHARACTER	200	*		
72	(48)	CHARACTER	44	URLBSRB	SRB	
116	(74)	CHARACTER	156	URLBIOSB	IOSB	
						Comment
U/R - Command code read area						
						End of Comment
272	(110)	CHARACTER	32	*		
272	(110)	CHARACTER	32	URLBRSTD		
						Comment
U/R - FRR parameter area save areas						
						End of Comment
304	(130)	CHARACTER	24	*		
304	(130)	CHARACTER	24	URLBFRRU	Used by IOSVURDT to save the FRR parameter list when calling IOS services. The IOS services will do an FRR replace when they receive control.	
						Comment
U/R - IOS Service Call parameter areas						
						End of Comment
328	(148)	CHARACTER	188	*		
328	(148)	CHARACTER	32	URLBRESV	RESV parameter area for IOSRRRSV	
360	(168)	CHARACTER	68	URLBRESS	RESS parameter area for IOSRRRSV	
428	(1AC)	CHARACTER	76	URLBDBOX	DBOX parameter area for IOSRDBOX	
504	(1F8)	CHARACTER	12	URLBSNID	SNID data area	
						Comment
U/R - Register 13 and 14 save areas						
						End of Comment
516	(204)	CHARACTER	24	*		
516	(204)	ADDRESS	4	URLBS13A	Register 13 save area	
520	(208)	ADDRESS	4	URLBS13B	Register 13 save area	
524	(20C)	ADDRESS	4	URLBS14A	Register 14 save area	
528	(210)	ADDRESS	4	URLBS14B	Register 14 save area	
532	(214)	ADDRESS	4	URLBS14C	Register 14 save area	
536	(218)	ADDRESS	4	URLBS14D	Register 14 save area	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
U/R - 18 word save areas					
End of Comment					
540	(21C)	CHARACTER	288	*	
540	(21C)	CHARACTER	72	URLBSA1	18 word save area #1
612	(264)	CHARACTER	72	URLBSA2	18 word save area #2
684	(2AC)	CHARACTER	72	URLBSA3	18 word save area #3
756	(2F4)	CHARACTER	72	URLBSA4	18 word save area #4
Comment					
U/R - IOSVURDT module work area					
End of Comment					
828	(33C)	CHARACTER	128	URLBWORK	Work area
Comment					
U/R - IOSVMSLG module work area and message buffer.					
End of Comment					
956	(3BC)	CHARACTER	420	URLBMSGW	Work area
Comment					
U/R - IOS Component Trace Work Area					
End of Comment					
1376	(560)	CHARACTER	128	URLBCTWK	Work area
Comment					
U/R - PIN information area.					
End of Comment					
1504	(5E0)	ADDRESS	4	URLBPINR	Return value for pin/unpin subroutines
1508	(5E4)	CHARACTER	72	URLBPINI	UCB pin information area
1508	(5E4)	CHARACTER	58	URLBPTXT	UCB pin text
1566	(61E)	CHARACTER	8	URLBPTOK	UCB pin token
1574	(626)	CHARACTER	5	URLBPCMP	Component ID
1579	(62B)	BITSTRING	1	URLBPFLG	PIN flags
		1...		URLBPIND	UCB is pinned
Comment					
IOSVURDT Workarea for LSS Active Device Recovery					
End of Comment					
1580	(62C)	CHARACTER	20	URLBDSE4	DSE4 Work Area
1600	(640)	CHARACTER	8	URLBDSEPARM	DSE4 Parm Area
1608	(648)	CHARACTER	24	URLBKLAR	Klar Parameter List

URLB Constants • URLB Cross Reference

URLB Constants

Len	Type	Value	Name	Description
Comment				
U/R - PIN constan area.				
End of Comment				
4	DECIMAL	58	URLBPTLN	Length of pin text

URLB Cross Reference

Name	Hex Offset	Hex Value
URLB	0	
URLBCHNF	4	
URLBCTWK	560	
URLBDBOX	1AC	
URLBDET	A	40
URLBDEVN	8	
URLBDSEPARM	640	
URLBDSE4	62C	
URLBDTCT	10	
URLBFLGS	A	
URLBFLG1	A	
URLBFLG2	B	
URLBFLG3	11	
URLBFLG4	12	
URLBFLG5	13	
URLBFRRU	130	
URLBID	0	
URLBIOSB	74	
URLBKLAR	648	
URLBLNTH	E	
URLBMSGW	3BC	
URLBMSLG	B	40
URLBPCMP	626	
URLBPFLG	62B	
URLBPIND	62B	80
URLBPINI	5E4	
URLBPINR	5E0	
URLBPTOK	61E	
URLBPTXT	5E4	
URLBRACW	A	02
URLBRENT	A	80
URLBRESS	168	
URLBRESV	148	
URLBRSTD	110	
URLBSA1	21C	
URLBSA2	264	
URLBSA3	2AC	
URLBSA4	2F4	
URLBSCCW	18	
URLBSNID	1F8	
URLBSRB	48	
URLBSUBP	C	
URLBS13A	204	
URLBS13B	208	
URLBS14A	20C	
URLBS14B	210	
URLBS14C	214	
URLBS14D	218	
URLBURCW	A	01
URLBURDT	B	80
URLBURSV	28	
URLBURS1	B	20
URLBURVL	20	
URLBWORK	33C	

UXPARMA Information

UXPARMA Programming Interface information

Programming Interface information

UXPARMA

End of Programming Interface information

UXPARMA Heading Information • UXPARMA Map

UXPARMA Heading Information

Common Name: Volume ENQ User Exit Communication Area
Macro ID: IEFZB478
DSECT Name: UXPARMA, VOLTABLE
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMA
 Offset: 0
 Length: 7
Storage Attributes: Virtual Storage: YES
 Subpool: 230
 Key: 1
Size: UXPARMA - 52 bytes
 VOLTABLE - Variable
Created by: IEFAB421
Pointed to by: NONE
Serialization: NONE
Function: Provides data shared by module IEFAB421 and the Volume ENQ user exit routine.

UXPARMA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMA	User exit parameter list
0	(0)	CHARACTER	7	PARMSAID	Identifier 'UXPARMA' acronym
7	(7)	BITSTRING	1	PARMSAVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	ADDRESS	4	UXVOLPTR	Pointer to the VOLSER table for the user exit
28	(1C)	BITSTRING	1	ACTION	User exit action flag
29	(1D)	CHARACTER	23		Reserved for IBM use

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VOLTABLE	VOLSER table, pointed to by UXVOLPTR
0	(0)	CHARACTER	2	VOLHEADR (0)	Table header
0	(0)	SIGNED	2	VOLENTRY	Number of entries in the table
2	(2)	CHARACTER	6	VOLSERNO	Array of VOLSER numbers

Comment

Possible ACTION values:

End of Comment

1... ..	CANCELJB	"X'80" Cancel the job
.1.	ISSUWTOR	"X'40" Issue a WTOR
.... 1..	WAITVOLU	"X'08" Wait for volume(s)
....	DEFAULTS	"X'00" Use PARMLIB default

Comment

Constants Declaration

End of Comment

2	(2)	X'1'	0	PAMSAVEC	"1" Version number
---	-----	------	---	----------	--------------------

UXPARMA Cross Reference

Name	Hex Offset	Hex Value
ACTION	1C	
CANCELJB	2	80
DEFAULTS	2	0
ISSUWTOR	2	40
JOBNAME	8	
PAMSAVEC	2	1
PARMSAID	0	
PARMSAVE	7	
STEPNAME	10	
UXPARMA	0	
UXVOLPTR	18	
VOENTRY	0	
VOLHEADR	0	
VOLSERNO	2	
VOLTABLE	0	
WAITVOLU	2	8

UXPARMB Information

UXPARMB Programming Interface information

Programming Interface information

UXPARMB

End of Programming Interface information

UXPARMB Heading Information • UXPARMB Map

UXPARMB Heading Information

Common Name: Volume Mount User Exit Communication Area
Macro ID: IEFZB479
DSECT Name: UXPARMB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMB
 Offset: 0
 Length: 7
Storage Attributes: Subpool: 230
 Key: Key 1
 Residency: Any
Size: 108 Bytes
Created by: IEFAB493
Pointed to by: Upon entry to the Volume Mount User Exit
 General Purpose Register 1 points to a
 Parameter List which points at UXPARMB.
Serialization: None
Function: Provides data shared by module IEFAB493 and the Volume Mount
 user exit routine.

UXPARMB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMB	User exit parameter list
0	(0)	CHARACTER	7	PARMSBID	Identifier 'UXPARMB' acronym
7	(7)	BITSTRING	1	PARMSBVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	CHARACTER	6	VOLSER	VOLSER number
82	(52)	CHARACTER	4	DEVNUM	Device number
86	(56)	BITSTRING	1	FLAGS	Tape label flag Only valid if the VOLSER field is blank
87	(57)	BITSTRING	1	ACTION	User exit action flag
88	(58)	BITSTRING	2	CONCATNO	DD concatenation number
90	(5A)	CHARACTER	18		Reserved for IBM use

Comment

Possible ACTION values:

End of Comment

1... ..	CANCELJB	"X'80" Cancel the job
.1.	ISSUWTOR	"X'40" Issue a WTOR
.... ..	DEFAULTS	"X'00" Use PARMLIB default

Comment

Possible FLAGS values:

End of Comment

1... ..	LABELSL	"X'80" Standard label
.1.	LABELAL	"X'40" ASCII Label
..1.	LABELNL	"X'20" No label
...1	LABELNSL	"X'10" Non-standard label

Comment

Constants Declaration

End of Comment

90	(5A)	X'3	0	PAMSBVEC	"3" Version number
----	------	-----	---	----------	--------------------

UXPARMB Cross Reference

Name	Hex Offset	Hex Value
ACTION	57	
CANCELJB	5A	80
CONCATNO	58	
DDNAME	18	
DEFAULTS	5A	0
DEVNUM	52	
DSNAME	20	
FLAGS	56	
ISSUWTOR	5A	40
JOBNAME	8	
LABELAL	5A	40
LABELNL	5A	20
LABELNSL	5A	10
LABELSL	5A	80
PAMSBVEC	5A	3
PARMSBID	0	
PARMSBVE	7	
STEPNAME	10	
UXPARMB	0	
VOLSER	4C	

UXPARMC Information

UXPARMC Programming Interface information

Programming Interface information

UXPARMC

End of Programming Interface information

UXPARMC Heading Information • UXPARMC Map

UXPARMC Heading Information

Common Name: Specific Wait User Exit Communication Area
Macro ID: IEFZB480
DSECT Name: UXPARMC
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMC
 Offset: 0
 Length: 7
Storage Attributes: Subpool: 230
 Key: Key 1
 Residency: Any
Size: 108 Bytes
Created by: IEFAB487
Pointed to by: Upon entry to the Specific Wait User Exit
 General Purpose Register 1 points to a
 Parameter List that points to UXPARMC
Serialization: None
Function: Provides data shared by module IEFAB487 and the Specific Wait
 user exit routine.

UXPARMC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMC	User exit parameter list
0	(0)	CHARACTER	7	PARMSCID	Identifier 'UXPARMC' acronym
7	(7)	BITSTRING	1	PARMSCVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	CHARACTER	6	VOLSER	VOLSER number
82	(52)	CHARACTER	4	DEVNUM	Device number
86	(56)	BITSTRING	1	FLAGS	Input information flag
87	(57)	BITSTRING	1	ACTION	User exit action flag
88	(58)	BITSTRING	1	WAITNOHC	Current 'WAIT NOHOLD' count
89	(59)	CHARACTER	1		Reserved for IBM use
90	(5A)	BITSTRING	2	CONCATNO	DD concatenation number
92	(5C)	CHARACTER	16		Reserved for IBM use

Comment

Possible ACTION values:

End of Comment

1..	....	CANCELJB	"X'80" Cancel the job
.1..	....	ISSUWTOR	"X'40" Issue a WTOR
..1.	....	WAITNHLD	"X'20" Wait w/o holding resources
...1	....	WAITHOLD	"X'10" Wait holding resources
....	....	DEFAULTS	"X'00" Use PARMLIB default

Comment

Possible FLAGS values:

End of Comment

11..	....	DEVNVOL	"X'C0" Both device and VOLSER are passed to the user exit.
1..	....	DEVONLY	"X'80" Only device is passed to the user exit.

Comment

Constants Declaration

End of Comment

92	(5C)	X'3'	0	PAMSCVEC	"3" Version number
----	------	------	---	----------	--------------------

UXPARMC Cross Reference

Name	Hex Offset	Hex Value
ACTION	57	
CANCELJB	5C	80
CONCATNO	5A	
DDNAME	18	
DEFAULTS	5C	0
DEVNUM	52	
DEVNVOL	5C	C0
DEVONLY	5C	80
DSNAME	20	
FLAGS	56	
ISSUWTOR	5C	40
JOBNAME	8	
PAMSCVEC	5C	3
PARMSCID	0	
PARMSCVE	7	
STEPNAME	10	
UXPARMC	0	
VOLSER	4C	
WAITHOLD	5C	10
WAITNHLD	5C	20
WAITNOHC	58	

UXPARMD Information

UXPARMD Programming Interface information

Programming Interface information

UXPARMD

End of Programming Interface information

UXPARMD Heading Information • UXPARMD Map

UXPARMD Heading Information

Common Name: Offline Devices User Exit Communication Area
Macro ID: IEFZB481
DSECT Name: UXPARMD, UXVOLTBL, UXOFLTBL
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: UXPARMD
 Offset: 0
 Length: 7
 Current Version = 4 - required for XWAITNHL Action.
Storage Attributes: Subpool: 230
 Key: Key 1
 Residency: Any
Size: (116 Bytes - UXPARMD) + (2 + 6 * number of
 volsers - UXVOLTBL) + (4 + 12 * number of
 devices - UXOFLTBL)
Created by: IEFAB48A
Pointed to by: Upon entry to the Allocated/Offline Device
 Installation Exit General Purpose Register 1
 points to a parameter list that points to
 UXPARMD
Serialization: None
Function: Provides data shared by Allocation and the
 Allocated/Offline Installation Exit Routine.

UXPARMD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXPARMD	User exit parameter list
0	(0)	CHARACTER	7	PARMSDID	Identifier 'UXPARMD' acronym
7	(7)	BITSTRING	1	PARMSDVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	ADDRESS	4	UXVOLPTR	Pointer to the VOLSER table for the user exit
80	(50)	SIGNED	4	SCRATCH#	Total number of non-specific scratch volumes needed
84	(54)	SIGNED	4	PRIVATE#	Total number of non-specific private volumes needed
88	(58)	ADDRESS	4	UXOFLPTR	Pointer to the offline device table for the user exit
92	(5C)	BITSTRING	1	FLAGS	Allocation option flag
93	(5D)	BITSTRING	1	ACTION	User exit action flag
94	(5E)	BITSTRING	1	WAITNOHC	Current 'WAIT NOHOLD' count
95	(5F)	BITSTRING	1	UXLBSTAT	Library status
		.... 1...		UXLONLIN	"X'08" Library is online
		.... .1..		UXLOFFLN	"X'04" Library is offline
		.... ..1.		UXLPOFFL	"X'02" Library is pending offline
96	(60)	CHARACTER	8	UXLBNAME	Library name
104	(68)	BITSTRING	2	CONCATNO	DD concatenation number
106	(6A)	BITSTRING	4	UXDVINFO (0)	
106	(6A)	BITSTRING	2		Reserved for IBM use
108	(6C)	BITSTRING	1	UXDEVCL	Device class
		1...		UXTAPE	"X'80" Tape device
		.1..		UXCOMM	"X'40" Communications device
		..1.		UXDACC	"X'20" Direct access device
		...1		UXDISP	"X'10" Graphics display device
		.... 1...		UXUREC	"X'08" Unit record device
		.... .1..		UXCHAR	"X'04" Character reader device
109	(6D)	BITSTRING	1		Reserved for IBM use
110	(6E)	BITSTRING	1	REQTYINF	REQuest TYpe INFo
		1...		UXDYNAMIC	"X'80" This is a Dynamic Allocation Request.
111	(6F)	CHARACTER	5		Reserved for IBM use

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXVOLTBL	VOLSER table for the user exit pointed to by UXVOLPTR
0	(0)	CHARACTER	2	UXVHEADR (0)	Table header
0	(0)	SIGNED	2	UXVENTNO	Number of entries in the table
2	(2)	CHARACTER	6	UXVOLSER	Array of VOLSER numbers

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UXOFLTBL	Offline device table for the user exit, pointed to by UXOFLPTR
0	(0)	CHARACTER	4	UXOHEADR (0)	Table header
0	(0)	SIGNED	4	UXOENTNO	Number of entries in the table
4	(4)	CHARACTER	12	UXOENTRY (0)	Table entry
4	(4)	CHARACTER	4	UXODEVNO	Offline device number (4-byte)
8	(8)	BITSTRING	1	UXSTATUS	Offline status
		1...		UXONLINE	"X'80" Bring device online
		.1..		UXEXCLUD	"X'40" Exclude the device on the WTOR
		...1		UXVCOFFL	"X'10" Varied offline by the configuration manager
		.... 1...		UXOFFLNE	"X'08" Varied offline device
		.... .1..		UXNOTACC	"X'04" Non-accessible device
		.... ..1.		UXPENDNG	"X'02" Pending offline device
		.... ...1		UXVLOFFL	"X'01" Varied library offline device
9	(9)	CHARACTER	1		Reserved
10	(A)	CHARACTER	6	UXOVLSE	Pending offline device volser (6-byte)

Comment

Valid User Exit ACTION values (returned by exit)

End of Comment

1...	CANCELJB	"X'80" Cancel the job
.1..	ISSUWTOR	"X'40" Issue a WTOR
..1.	WAITNHLD	"X'20" Wait w/o holding resources
...1	WAITHOLD	"X'10" Wait holding resources
.... 1...	BDONLINE	"X'08" Bring offline devices online or allocate a device in pending offline status without bringing it online
.... .1..	XWAITNHL	"X'04" Directed WAIT/NOHOLD Action. This Action is valid ONLY for Tape Allocations when an Allocated/Offline User Exit is present and the system does not detect anything to Wait for. Informational message IEF019I will be issued when this Action is validly used. Note: care should be used to ensure that some activity will occur to Post Allocation from the Wait resulting from this Action Code. Reference the System Action section of message IEF019I to review these Posting actions.
....	DEFAULTS	"X'00" Use PARMLIB default

Comment

Possible FLAGS values:

End of Comment

1...	OKTOWAIT	"X'80" OK to wait
.1..	OKONLINE	"X'40" OK to bring offline device online or allocate device in pending offline status without bringing it online
..1.	REPEATCL	"X'20" Repeated user exit call for the same request
...1	LBREQIND	"X'10" Request is a library request
.... 1...	ALLWTAFH	"X'08" All waitable device are AFH

Comment

Constants Declaration

End of Comment

10	(A)	X'4'	0	PAMSDVEC	"4" Version number
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UXPARMD Cross Reference

UXPARMD Cross Reference

Name	Hex Offset	Hex Value
ACTION	5D	
ALLWTAFH	A	8
BDONLINE	A	8
CANCELJB	A	80
CONCATNO	68	
DDNAME	18	
DEFAULTS	A	0
DSNAME	20	
FLAGS	5C	
ISSUWTOR	A	40
JOBNAME	8	
LBREQIND	A	10
OKONLINE	A	40
OKTOWAIT	A	80
PAMSDVEC	A	4
PARMSDID	0	
PARMSDVE	7	
PRIVATE#	54	
REPEATCL	A	20
REQTYINF	6E	
SCRATCH#	50	
STEPNAME	10	
UXCHAR	6C	4
UXCOMM	6C	40
UXDACC	6C	20
UXDEVCL	6C	
UXDISP	6C	10
UXDVINFO	6A	
UXDYNAMC	6E	80
UXEXCLUD	8	40
UXLBNAME	60	
UXLBSTAT	5F	
UXLOFFLN	5F	4
UXLONLIN	5F	8
UXLPOFFL	5F	2
UXNOTACC	8	4
UXODEVNO	4	
UXOENTNO	0	
UXOENTRY	4	
UXOFFLNE	8	8
UXOFLPTR	58	
UXOFLTBL	0	
UXOHEADR	0	
UXONLINE	8	80
UXOVLSEK	A	
UXPARMD	0	
UXPENDNG	8	2
UXSTATUS	8	
UXTAPE	6C	80
UXUREC	6C	8
UXVCOFFL	8	10
UXVENTNO	0	
UXVHEADR	0	
UXVLOFFL	8	1
UXVOLPTR	4C	
UXVOLSER	2	
UXVOLTBL	0	
WAITHOLD	A	10
WAITNHLD	A	20
WAITNOHC	5E	
XWAITNHL	A	4

VAT Information

VAT Heading Information

Common Name: VIRTUAL ADDRESS TABLE
Macro ID: IEFZB611
DSECT Name: VATENTRY
Owning Component: Scheduler Restart (SC1B3)
Storage Attributes: Subpool: 0
 Key: 1
Size: 816 bytes
Created by: IEFXB602
Pointed to by: JSCBVATA in active JSCB
Serialization: None
Function: This control block contains address and ID information on SWA control blocks built during interpretation phase. This data is used to merge information from the job journal during an automatic restart or system restart.

VAT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	816	VAT	VIRTUAL ADDRESS TABLE
0	(0)	ADDRESS	4	VATX	CHAIN PTR. TO VAT EXTENSION
4	(4)	ADDRESS	4	VATBPTR	PTR. TO PREVIOUS EXTENSION
8	(8)	CHARACTER	4	VATSER	SERIALIZATION WORD
8	(8)	ADDRESS	1	VATNO	NO. OF LAST ENTRY USED
9	(9)	BITSTRING	1	VATFLG1	FLAGS
		1...		VATXA	SWA BLOCKS FOR THIS JOB MAY RESIDE ABOVE THE LINE (IF ON)
		.1.		VATSUFX	SUFFIX PRESENT FOR THIS VAT EXTENT
		..1.		VATCELL	VAT BLOCK OBTAINED FROM CELL POOL
		...1 1111		*	RESERVED
10	(A)	CHARACTER	2	*	RESERVED
12	(C)	CHARACTER	14	VATENTRY	VAT ENTRY
				(4294967352:562116912)	
12	(C)	SIGNED	4	VATRBN	RELATIVE BLOCK NUMBER
16	(10)	ADDRESS	4	VATOVA	OLD VIRTUAL ADDR FIELD
16	(10)	ADDRESS	3	VATROVA	OLD VIRTUAL ADDRESS
19	(13)	CHARACTER	1	*	UNUSED
20	(14)	ADDRESS	4	VATNVA	NEW VIRTUAL ADDR FIELD
20	(14)	ADDRESS	3	VATRNVA	NEW VIRTUAL ADDRESS
23	(17)	CHARACTER	1	*	UNUSED
24	(18)	CHARACTER	1	VATBLKID	CONTROL BLOCK ID
25	(19)	BITSTRING	1	VATMSW	MERGE SWITCHES
		1...		VATNUPDT	DO NOT UPDATE BLOCK
		.1.		VATDYNAM	ENTRY FOR DYNAMIC BLOCK
		..1.		VATLMODE	ON--LOCATE MODE ENTRY
		...1 1111		*	UNUSED
796	(31C)	CHARACTER	20	VATSUFFIX	OPTIONAL SUFFIX
796	(31C)	SIGNED	4	VATCPID	VAT CELL POOL ID
800	(320)	SIGNED	4	VATJCLV	JCL LEVEL INDICATOR FROM JCTXJCLV
804	(324)	UNSIGNED	1	VATVERS	SWA LEVEL INDICATOR FROM JCTXVERS
805	(325)	CHARACTER	3	*	UNUSED
808	(328)	CHARACTER	8	VATJDVT	JDVT NAME FROM JCTXJVTN
816	(330)	CHARACTER	0	VATEND	END OF MAPPING

VAT Constants • VAT Cross Reference

VAT Constants

Len	Type	Value	Name	Description
4	DECIMAL	56	VATMAXSZ	DIMENSION OF VATENTRY ARRAY

VAT Cross Reference

Name	Hex Offset	Hex Value
VAT	0	
VATBLKID	18	
VATBPTR	4	
VATCELL	9	20
VATCPID	31C	
VATDYNAM	19	40
VATEND	330	
VATENTRY	C	
VATFLG1	9	
VATJCLV	320	
VATJDVT	328	
VATLMODE	19	20
VATMSW	19	
VATNO	8	
VATNUPDT	19	80
VATNVA	14	
VATOVA	10	
VATRBN	C	
VATRNVA	14	
VATROVA	10	
VATSER	8	
VATSUFFIX	31C	
VATSUFX	9	40
VATVERS	324	
VATX	0	
VATXA	9	80

VCB Information

VCB Heading Information

Common Name: VIO Control Block
Macro ID: IHAVCB
DSECT Name: VCB
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: yes
 Subpool: USER SPECIFIED.
 Key: 0.
 Residency: below 16 megabytes in real storage
Size: 28 bytes
Created by: User
Pointed to by: Register 1 (input to VIO processing),
 VCBLINK
Serialization: Local lock
Function: Describes a VIO function to be performed on a
 VIO window page.

VCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	VCB	
0	(0)	ADDRESS	4	VCBLINK	VIRTUAL ADDR OF NEXT VCB IN A CHAINED REQUEST
4	(4)	ADDRESS	4	VCBVSA	VIRTUAL ADDR. OF A PAGE IN THE VIO WINDOW. THE PAGE IS THE SOURCE PAGE FOR A MOVE-OUT OR THE TARGET PAGE FOR AN ASSIGN.
8	(8)	CHARACTER	8	VCBLPID	THE LPID OF THE VIO DATA SET PAGE.
16	(10)	ADDRESS	4	VCBRUARG	VIO REUSE ARGUMENT. RSM RETURNS THIS ADDRESS TO VBP ON A MOVEOUT IF VBP SUPPLIED A RECLAIM IDENTIFIER (DSPID). VBP CAN THEM PASS THE ADDRESS BACK TO RSM ON A SUBSEQUENT ASSIGN FOR THE SAME PAGE TO ATTEMPT RECLAIM (REUSE).
16	(10)	ADDRESS	4	VCBPFTE	TOKEN OF THE PFTE FOR THE REAL STORAGE FRAME LAST OCCUPIED BY THE VIO WINDOW PAGE
16	(10)	ADDRESS	4	VCBESTE	ESTE address. No longer used is ESAME mode, left for compatibility.
20	(14)	UNSIGNED	4	VCBDSPID	DATA SET PAGE RECLAIM (REUSE) IDENTIFIER.
24	(18)	BITSTRING	1	VCBOPFLG	OPERATION FLAGS
		1... ..		VCBMVOUT	WHEN 1, A MOVE-OUT IS REQUESTED.
		.1.		VCBVF	REQUESTOR IS VIRTUAL FETCH
		..1.		VCBASIGN	WHEN 1, AN ASSIGN IS REQUESTED
		...1		VCBRSV5	RESERVED
		.... 1...		VCBNDISC	REQUESTS THAT THE VIO PAGE SHOULD NOT BE DISCONNECTED FROM ITS WINDOW LOCATION AFTER MOVEOUT OPERATION IS COMPLETE.
		.... .1..		VCBNOLD	IF 1, A PAGE LOAD WILL NOT BE DONE UPON COMPLETION OF THE ASSIGN FUNCTION. VALID ONLY IF VCBASIGN=1.
		.... ..1.		VCBLOAD	OLD NAME FOR COMPATIBILITY
		.... ..1.		VCBRSV2	RESERVED
		.... ...1		VCBRSV3	RESERVED
25	(19)	BITSTRING	1	VCBCPFLG	COMPLETION FLAGS
		1... ..		VCBNOVSA	IF VCBASIGN=1 AND THE PGTE FOR VCBVSA IS NOT ZERO, AN ERROR HAS OCCURRED. DISCONNECT MOVEOUT SHOULD HAVE BEEN REQUESTED FOR THE VSA BEFORE ISSUING THE ASSIGN REQUEST.
		.1..		VCBINVSA	VCBVSA DOES NOT CONTAIN A VALID VSA.
		..1.		VCBELPID	ON A MOVEOUT REQUEST, EITHER THE LPID SUPPLIED IN THE VCB DOES NOT MATCH THE LPID IN THE XPTE, OR ASM COULD NOT SUCCESSFULLY START A PAGEOUT OR TRANSFER-PAGE OPERATION FOR THIS PAGE.
		...1		VCBNOAUX	FOR A MOVE-OUT, NO AUX. STORAGE EXISTED OR WAS CREATED AND NO REAL STORAGE EXISTED FROM WHICH TO PAGE-OUT.
		.... 1...		VCBFX	MOVE-OUT REQUESTED FOR A FIXED OR BAD PAGE.
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		.... ...1		*	RESERVED
26	(1A)	UNSIGNED	2	VCBRSV4	RESERVED
28	(1C)	CHARACTER	0	VCBEND	END OF VCB

VCB Cross Reference

VCB Cross Reference

Name	Hex Offset	Hex Value
VCB	0	
VCBASIGN	18	20
VCBCPFLG	19	
VCBDSPID	14	
VCBEFIX	19	08
VCBELPID	19	20
VCBEND	1C	
VCBESTE	10	
VCBINVSA	19	40
VCBLINK	0	
VCBLOAD	18	04
VCBLPID	8	
VCBMVOUT	18	80
VCBNDISC	18	08
VCBNOAUX	19	10
VCBNOLD	18	04
VCBNOVAC	19	80
VCBOPFLG	18	
VCBPFTE	10	
VCBRSV2	18	02
VCBRSV3	18	01
VCBRSV4	1A	
VCBRSV5	18	10
VCBRUARG	10	
VCBVF	18	40
VCBVSA	4	

VFCB Information

VFCB Heading Information

Common Name: Virtual Fetch Control Block
Macro ID: IHAVFCB
DSECT Name: VFCB
Owning Component: Contents Supervisor (SC1CJ)
Eye-Catcher ID: VFCB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 241
 Key: 0
Size: 32 bytes
Created by: CSVVFCRE
Pointed to by: CVTVFCB
Serialization: Compare and Swap
Function: Contains information concerning status of Virtual Fetch, the address of the Virtual Fetch hash table and the Virtual Fetch ECB.

VFCB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	44	VFCB	Virtual Fetch Control Block	
0	(0)	CHARACTER	4	VFCBID	Control block ID ("VFCB")	
4	(4)	ADDRESS	4	VFCBASCB	Address of Virtual Fetch address space ASCB	
8	(8)	CHARACTER	8	VFCBRESH	Refresh number of this Virtual Fetch in TIMER units	
8	(8)	SIGNED	4	VFCBRSH1	First half of refresh value	
12	(C)	SIGNED	4	VFCBRSH2	Second half of refresh value	
16	(10)	ADDRESS	4	VFCBHSHP	Address of hash table	
20	(14)	UNSIGNED	4	VFCBHSHP	Hash algorithm divisor	
24	(18)	SIGNED	4	VFCBECB	Refresh ECB	
28	(1C)	UNSIGNED	1	VFCBLVEL	Level number of this VFCB (currently level=0)	
29	(1D)	UNSIGNED	1	VFCBFLAG	Flag byte	
		1...		VFCBUILT	Virtual Fetch has been built and is fully operational. (turned on after the VFCB is set up, and just before entering WAIT processing. It is initially off, and will be turned off before updating the VFCB, and whenever the ESTAE is entered).	
		.1..		VFCBRES2	Reserved flag	
		..1.		VFCBRES3	Reserved flag	
		...1		VFCBRES4	Reserved flag	
		.... 1...		VFCBRES5	Reserved flag	
		.... .1..		VFCBRES6	Reserved flag	
		.... ..1.		VFCBRES7	Reserved flag	
		.... ...1		VFCBRES8	Reserved flag	
30	(1E)	CHARACTER	2	VFCBRES9	Reserved half word	
32	(20)	SIGNED	4	VFCBCSWD	Word for compare and swap. Used to serialize CSVVFTCH with the REFRESH function of CSVVFCRE.	
32	(20)	UNSIGNED	1	VFCBRSCH	Refresh in progress flag field	
		1...		VFCBRINP	Refresh in progress flag	
		.111 1111		VFCBRV09	Reserved	
33	(21)	BITSTRING	1	VFCBRV10	Reserved	
34	(22)	SIGNED	2	VFCBGETS	Number of GET requests active.	
36	(24)	SIGNED	4	VFCBGECB	ECB to be posted by GET process when refresh is in progress and GET count has just been decremented to zero	
40	(28)	UNSIGNED	4	VFCBRSEQ	Refresh sequence number. It is incremented when refresh process begins and VFCBGETS=0. It is used to prevent an incorrect POST from GET process.	

VFCB Constants • VFCB Cross Reference

VFCB Constants

Len	Type	Value	Name	Description
4	DECIMAL	44	VFCBLEN	Length of the VFCB

VFCB Cross Reference

Name	Hex Offset	Hex Value
VFCB	0	
VFCBASCB	4	
VFCBCSWD	20	
VFCBECB	18	
VFCBFLAG	1D	
VFCBGECB	24	
VFCBGETS	22	
VFCBHSHP	10	
VFCBHSHV	14	
VFCBID	0	
VFCBLVEL	1C	
VFCBRESH	8	
VFCBRES2	1D	40
VFCBRES3	1D	20
VFCBRES4	1D	10
VFCBRES5	1D	08
VFCBRES6	1D	04
VFCBRES7	1D	02
VFCBRES8	1D	01
VFCBRES9	1E	
VFCBRINP	20	80
VFCBRSCH	20	
VFCBRSEQ	28	
VFCBRSH1	8	
VFCBRSH2	C	
VFCBRV09	20	7F
VFCBRV10	21	
VFCBUILT	1D	80

VFDE Information

VFDE Heading Information

Common Name: Virtual Fetch Directory Entry
Macro ID: IHAVFDE
DSECT Name: VFHE
Owning Component: Contents Supervisor (SC1CJ)
Storage Attributes: Subpool: 230
 Key: 0
 Residency: Above 16M line
Size: 64 bytes
Created by: CSVVFCRE
Pointed to by: VFGBHSH plus calculated index into Virtual Fetch hash table.
Serialization: VFDBUILT flag and the LOCAL lock.
Function: Contains information concerning a module residing in Virtual Fetch's VIO data set.

VFDE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	VFHE	Virtual Fetch Directory Entry
0	(0)	ADDRESS	4	VFHESYN	Address of synonym
4	(4)	CHARACTER	40	VFDE	Directory entry information needed to obtain the module from the VIO data set
4	(4)	CHARACTER	8	VFDENAME	Entry point name
4	(4)	CHARACTER	4	VFDENM1	First half of name
8	(8)	CHARACTER	4	VFDENM2	Second half of name
12	(C)	CHARACTER	32	VFDESCH	Start of data moved to caller by CSVVFSCH
12	(C)	CHARACTER	8	VFDELPID	Logical Page Identifier - LPID
12	(C)	UNSIGNED	4	VFDELGN	Logical Group Number
16	(10)	UNSIGNED	4	VFDERPN	Relative Page Number
20	(14)	UNSIGNED	4	VFDEMODL	Reformatted Module size
24	(18)	UNSIGNED	4	VFDEEPA	Entry Point offset
		1...		VFDEAM31	31 bit AMODE indicator
		.111 1111		VFDEZR03	Always zero
25	(19)	ADDRESS	3	VFDEEPA1	EP offset
28	(1C)	UNSIGNED	4	VFDERLDP	Relocation information offset within module
32	(20)	UNSIGNED	4	VFDEFLGS	Flags word
32	(20)	CHARACTER	1	VFDEFLG1	1st flag byte
		1...		VFDERENT	Module was link edited as reentrant
		.1.		VFDEREUS	Module was link edited as reusable
		..1.		VFDEALIS	This is an alias entry
		...1		VFDEINFO	INFODATA format DE
		.... 1...		VFDEAPFL	Module comes from an APF library
		.... .1..		VFDEF1R5	Reserved
		.... ..1.		VFDEANYM	AMODE=any indicator (control will be passed in the AMODE of the caller).
		.... ...1		VFDERMOD	RMODE of this module
33	(21)	CHARACTER	3	VFDERES4	Reserved
36	(24)	CHARACTER	8	VFDERESH	The refresh value for this Virtual Fetch VIO data set in TIMER units
36	(24)	UNSIGNED	4	VFDERSH1	First half of TIMER value for refresh
40	(28)	UNSIGNED	4	VFDERSH2	Second half of TIMER value for refresh
44	(2C)	CHARACTER	18	VFHERES1	Reserved
62	(3E)	BITSTRING	1	VFHEFLG2	Flag byte
		1...		VFHEBDDE	Virtual Fetch has found a discrepancy between the given length and the calc length of the DE
		.111 1111		VFHERES2	Reserved
63	(3F)	UNSIGNED	1	VFHELIBN	Zero-origin library number of original library of the module

VFDE Cross Reference

VFDE Cross Reference

Name	Hex Offset	Hex Value
VFDE	4	
VFDEALIS	20	20
VFDEAM31	18	80
VFDEANYM	20	02
VFDEAPFL	20	08
VFDEEPA	18	
VFDEEPA1	19	
VFDEFLGS	20	
VFDEFLG1	20	
VFDEF1R5	20	04
VFDEINFO	20	10
VFDELGN	C	
VFDELPID	C	
VFDEMODL	14	
VFDENAME	4	
VFDENM1	4	
VFDENM2	8	
VFDERENT	20	80
VFDERESH	24	
VFDERES4	21	
VFDEREUS	20	40
VFDERLDP	1C	
VFDERMOD	20	01
VFDERPN	10	
VFDERSH1	24	
VFDERSH2	28	
VFDESCH	C	
VFDEZR03	18	7F
VFHE	0	
VFHEBDDE	3E	80
VFHEFLG2	3E	
VFHELIBN	3F	
VFHERES1	2C	
VFHERES2	3E	7F
VFHESYN	0	

VFPM Information

VFPM Programming Interface Information

Programming Interface Information

VFPM

End of Programming Interface Information

VFPM Heading Information • VFPM Map

VFPM Heading Information

Common Name: Virtual Fetch Parameter List
Macro ID: IHAVFPM
DSECT Name: VFPM
Owning Component: Contents Supervisor (SC1CJ)
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 88 bytes
Created by: Caller of Virtual Fetch
Pointed to by: N/A
Serialization: None
Function: Describes a Virtual Fetch function to be performed on a named

VFPM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VFPM	VIRTUAL FETCH PARAMETER LIST
0	(0)	CHARACTER	72	VFPMSAVE	REGISTER SAVE AREA TO BE PASSED TO THE CALLED PROGRAM
72	(48)	SIGNED	4	VFPMREG1	CONTENTS OF REGISTER 1 TO BE PASSED TO CALLED PROGRAM
76	(4C)	CHARACTER	8	VFPMNAME (0)	NAME OF CALLED PROGRAM
76	(4C)	CHARACTER	4	VFPMNAML	FIRST FOUR CHARS OF NAME
80	(50)	CHARACTER	4	VFPMNAMR	LAST FOUR CHARS OF NAME
84	(54)	BITSTRING	1	VFPMMLVL	LEVEL OF PARAMTER LIST
85	(55)	BITSTRING	1	VFPMFUNC	FUNCTION TO PERFORM
85	(55)	X'1'	0	VFPMBLD	"1" BUILD REQUEST INDICATOR
85	(55)	X'2'	0	VFPMFIND	"2" FIND REQUEST INDICATOR
85	(55)	X'3'	0	VFPMGET	"3" GET REQUEST INDICATOR
86	(56)	BITSTRING	1	VFPMFLAG	FLAG BYTE
		1...		VFPMGETM	"X'80" FRESH MODULE STORAGE IS TO BE GETMAINED AND FREEMAINED ON EACH INVOCATION. IF OFF, MODULE STORAGE WILL BE PGRLSED INSTEAD OF FREEMAINED, AND FURTHER UNNEEDED GETMAINS WILL NOT BE ISSUED.
		.1..		VFPMRES1	"X'40" RESERVED
		.1.		VFPMRES2	"X'20" RESERVED
		...1		VFPMRES3	"X'10" RESERVED
		.... 1...		VFPMRES4	"X'08" RESERVED
		.... .1..		VFPMRES5	"X'04" RESERVED
		.... ..1.		VFPMRES6	"X'02" RESERVED
		.... ...1		VFPMRES7	"X'01" RESERVED
87	(57)	BITSTRING	1	VFPMRTN	RETURN FLAGS SET BY THE GET FUNCTION. IF ALL FLAGS ARE ZERO, THE REQUESTED MODULE WAS EXECUTED AND REGISTER 15 CONTAINS THE VALUE RETURNED BY THE PROGRAM. OTHERWISE THE ONE FLAG SET ON INDICATES WHAT TYPE OF ERROR OCCURRED.
		1...		VFPMBUSY	"X'80" THE MODULE WAS FOUND BUT WAS IN USE, AND IS THEREFORE UNAVAILABLE. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		.1..		VFPMRESH	"X'40" GET WAS UNABLE TO OBTAIN THE REQUESTED MODULE. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		..1.		VFPMAPF	"X'20" AN ATTEMPT WAS MADE BY AN AUTHORIZED CALLER TO INVOKE A MODULE FROM A NON-APF LIBRARY. THE MODULE WAS NOT GIVEN CONTROL. RETRY OF VIRTUAL FETCH SHOULD NOT BE ATTEMPTED.
		...1		VFPMBADP	"X'10" INVALID PARAMETERS WERE RECEIVED BY GET. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING GET WITH A VALID PARAMETER LIST.
		.... 1...		VFPMBADE	"X'08" AN ENVIRONMENTAL ERROR OCCURRED (GETMAIN FAILED, ESTAE FAILED ETC.). THE MODULE WAS NOT GIVEN CONTROL. RETRY BY CLEANING UP AND INVOKING THE FIND FUNCTION.
		.... .1..		VFPMAPPL	"X'04" THE REQUESTED PROGRAM ABENDED. THIS FLAG SHOULD BE CHECKED WHENEVER THE CALLERS ESTAE GAINS CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		.... ..1.		VFPMRTN6	"X'02" RESERVED
		.... ...1		VFPMRTN7	"X'01" RESERVED
87	(57)	X'58'	0	VFPMLEN	"-VFPM" LENGTH OF PARMATER LIST
87	(57)	X'0'	0	VFPMFRST	"VFPM" FIRST BYTE OF THE PARAMTER LIST
87	(57)	X'57'	0	VFPMLAST	"-1" LAST BYTE OF THE PARAMTER LIST

VFPM Cross Reference

Name	Hex Offset	Hex Value
VFPM	0	
VFPMAPF	57	20
VFPMAPPL	57	4
VFPMBADE	57	8
VFPMBADP	57	10
VFPMBLD	55	1
VFPMBUSY	57	80
VFPMFIND	55	2
VFPMFLAG	56	
VFPMFRST	57	0
VFPMFUNC	55	
VFPMGET	55	3
VFPMGETM	56	80
VFPMLAST	57	57
VFPMLEN	57	58
VFPMVLV	54	
VFPMNAME	4C	
VFPMNAML	4C	
VFPMNAMR	50	
VFPMREG1	48	
VFPMRESH	57	40
VFPMRES1	56	40
VFPMRES2	56	20
VFPMRES3	56	10
VFPMRES4	56	8
VFPMRES5	56	4
VFPMRES6	56	2
VFPMRES7	56	1
VFPMRTN	57	
VFPMRTN6	57	2
VFPMRTN7	57	1
VFPMSAVE	0	

VFVT Information

VFVT Heading Information

Common Name: Virtual Fetch Vector Table
Macro ID: IHAVFVT
DSECT Name: VFVT
Owning Component: Contents Supervisor (SC1CJ)
Eye-Catcher ID: VFVT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 245
 Key: 0
Size: 144 bytes
Created by: CSVVFNDE
Pointed to by: ASXBVFVT
Serialization: The fields VFVTACNT and VFVTHASH are serialized by the LOCAL lock.
Function: Contains information concerning status of Virtual Fetch in a given user's address space, and the hashed directory of modules to be managed by Virtual Fetch for this address space.

VFVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	144	VFVT	Virtual Fetch Vector Table
0	(0)	CHARACTER	4	VFVTID	Control block ID ("VFVT")
4	(4)	SIGNED	4	VFVTTCB	Address of the Job Step TCB on whose behalf Virtual Fetch built VFWKs
8	(8)	BITSTRING	2	VFVTFLAG	Flag fields
8	(8)	BITSTRING	1	VFVTFLG1	Reserved
		1...		VFVTVFUP	Indicates whether this address space's VFWKs are still usable NOTE: this field is set to OFF whenever CSVVFNDE or CSVVFGTE's recovery routines are running and set back ON if the error is not fatal to Virtual Fetch
		.1..		VFVTF1R2	Reserved
		..1.		VFVTF1R3	Reserved
		...1		VFVTF1R4	Reserved
		.... 1...		VFVTF1R5	Reserved
		.... .1..		VFVTF1R6	Reserved
		.... ..1.		VFVTF1R7	Reserved
		.... ...1		VFVTF1R8	Reserved
9	(9)	BITSTRING	1	VFVTRSRD	Reserved
10	(A)	SIGNED	2	VFVTACNT	Number of user ABENDs for which clean up has not yet been performed. Serialized by the LOCAL lock.
12	(C)	BITSTRING	4	VFVTLHSH	Hash constant for local VFWK hash table
16	(10)	ADDRESS	4	VFVTHASH (4294967328:0)	Pointer to the local VFWK hash table. Serialized by the LOCAL lock.

VFVT Constants

Len	Type	Value	Name	Description
4	DECIMAL		VFVTLEN	Length of the VFVT
4	CHARACTER	VFVT	NVFVTID	VFVT's identifier
4	DECIMAL		NVFVT254	Subpool VFVT resides in

VFVT Cross Reference

VFVT Cross Reference

Name	Hex Offset	Hex Value
VFVT	0	
VFVTACNT	A	
VFVTFLAG	8	
VFVTFLG1	8	
VFVTF1R2	8	40
VFVTF1R3	8	20
VFVTF1R4	8	10
VFVTF1R5	8	08
VFVTF1R6	8	04
VFVTF1R7	8	02
VFVTF1R8	8	01
VFVTHASH	10	
VFVTID	0	
VFVTLHSH	C	
VFVTRSRD	9	
VFVTTCB	4	
VFVTVFUP	8	80

VFWK Information

VFWK Heading Information

Common Name: Virtual Fetch Work Area
Macro ID: IHAVFWK
DSECT Name: VFWK
Owning Component: Contents Supervisor (SC1CJ)
Eye-Catcher ID: VFWK
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 254
 Key: 0
Size: 112 bytes
Created by: CSVVFNDE
Pointed to by: VVTHASH plus calculated index into the hash table in the VVVT.
Serialization: Local Lock
Function: Contains information concerning a particular module being managed by Virtual Fetch for a particular user, and includes a CDE for that module.

VFWK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	112	VFWK	Virtual Fetch Work Area
0	(0)	CHARACTER	4	VFWKID	Control block ID ("VFWK")
4	(4)	ADDRESS	4	VFWKSYNP	Address of next VFWK on the synonym chain
8	(8)	CHARACTER	40	VFWKDE	Virtual Fetch Directory Entry (VFDE) format data obtained from the Virtual Fetch service address space by routine CSVVFSCH
8	(8)	CHARACTER	8	VFWKNAME	Entry point name (not set by CSVVFSCH)
8	(8)	CHARACTER	4	VFWKNAML	Left four chars of name
12	(C)	CHARACTER	4	VFWKNAMR	Right four chars of name
16	(10)	CHARACTER	8	VFWKLPID	Logical Page Identifier - LPID
16	(10)	UNSIGNED	4	VFWKLGN	Logical Group Number
20	(14)	UNSIGNED	4	VFWKRPN	1st relative Page Number
24	(18)	UNSIGNED	4	VFWKMODL	Size of reformatted module
28	(1C)	UNSIGNED	4	VFWKEPA	Offset of entry point
		1...		VFWKAM31	31-bit AMODE indicator
		.111 1111		VFWKZR03	Padding- must be 0
29	(1D)	ADDRESS	3	VFWKEPA1	Offset of entry point
32	(20)	UNSIGNED	4	VFWKRLDP	Offset of relocation data
36	(24)	UNSIGNED	1	VFWKDEF1	Flag byte for VFDE
		1...		VFWKRENT	Module is reentrant
		.1.		VFWKREUS	Module is serially reusable
		..1.		VFWKDFL3	Reserved flag
		...1		VFWKDFL4	Reserved flag
		.... 1...		VFWKAPFL	Module comes from authorized library
		.... .1..		VFWKDFL6	Reserved flag
		.... ..1.		VFWKANYM	AMODE=any indicator (control will be passed in the AMODE of the caller).
		.... ...1		VFWKRMOD	RMODE of this module
37	(25)	CHARACTER	3	VFWKDRS1	Reserved field
40	(28)	CHARACTER	8	VFWKRESH	the refresh value for this Virtual Fetch VIO data set in TIMER units
40	(28)	UNSIGNED	4	VFWKRSH1	First half of TIMER value for refresh
44	(2C)	UNSIGNED	4	VFWKRSH2	Second half of TIMER value for refresh
48	(30)	CHARACTER	32	VFWKCDE	CDE for Module
80	(50)	CHARACTER	16	VFWKXLST	Extent list for Module
96	(60)	ADDRESS	4	VFWKVSA	Address of module storage area in address space of user (set after GETMAIN, and zeroed before FREEMAIN)
100	(64)	ADDRESS	4	VFWKVCB	Address of start of VCBs area (set after GETMAIN, and zeroed before FREEMAIN)
104	(68)	SIGNED	2	VFWKNPGS	Number of pages required for the module area
106	(6A)	UNSIGNED	1	VFWKFLG1	First Flag Byte for VFWK
		1...		VFWKGMND	Storage for the module and VCBs exists
		.1.		VFWKF1R2	Reserved flag
		..1.		VFWKF1R3	Reserved flag
		...1		VFWKF1R4	Reserved flag
		.... 1...		VFWKF1R5	Reserved flag
		.... .1..		VFWKF1R6	Reserved flag
		.... ..1.		VFWKF1R7	Reserved flag
		.... ...1		VFWKF1R8	Reserved flag
107	(6B)	UNSIGNED	1	VFWKFLG2	Second Flag Byte for VFWK

VFWK Constants • VFWK Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		VFWKBADM	Indicates that this module cannot be retrieved from this generation of the Virtual Fetch VIO dataset
		.1..		VFWKBADV	Indicates this VFWK is unusable because its associated CDE cannot be removed from the Job Pack Queue(JPQ) or its associated module storage cannot be FREEMAINed
		..1.		VFWKNFXM	The current generation of virtual fetch does not have directory information (VFDE) about this module
		...1		VFWKABND	The last time this module was invoked by virtual fetch the module suffered a user abend. The VFWKTCB field points to the current owner of this VFWK and its associated resources.
		.... 1..		VFWKF2R5	Reserved flag
		.... .1..		VFWKF2R6	Reserved flag
		.... ..1.		VFWKF2R7	Reserved flag
		.... ...1		VFWKF2R8	Reserved flag
108	(6C)	SIGNED	4	VFWKTCB	Address of the TCB of the caller who currently owns this VFWK

VFWK Constants

Len	Type	Value	Name	Description
4	DECIMAL		VFWKLEN	Length of the VFWK
4	CHARACTER	VFWK	NVFWKID	VFWK identifier
4	DECIMAL		NVFWK254	Subpool the VFWK resides in

VFWK Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VFWK	0		VFWKRSH1	28	
VFWKABND	6B	10	VFWKRSH2	2C	
VFWKAM31	1C	80	VFWKSYNP	4	
VFWKANYM	24	02	VFWKTCB	6C	
VFWKAPFL	24	08	VFWKVSA	64	
VFWKBADM	6B	80	VFWKXLSA	60	
VFWKBADV	6B	40	VFWKXLSB	50	
VFWKCDE	30		VFWKXLSL	1C	7F
VFWKDE	8				
VFWKDEF1	24				
VFWKDFL3	24	20			
VFWKDFL4	24	10			
VFWKDFL6	24	04			
VFWKDRS1	25				
VFWKEPA	1C				
VFWKEPA1	1D				
VFWKFLG1	6A				
VFWKFLG2	6B				
VFWKF1R2	6A	40			
VFWKF1R3	6A	20			
VFWKF1R4	6A	10			
VFWKF1R5	6A	08			
VFWKF1R6	6A	04			
VFWKF1R7	6A	02			
VFWKF1R8	6A	01			
VFWKF2R5	6B	08			
VFWKF2R6	6B	04			
VFWKF2R7	6B	02			
VFWKF2R8	6B	01			
VFWKGMND	6A	80			
VFWKID	0				
VFWKLG	10				
VFWKLPI	10				
VFWKMODL	18				
VFWKNAME	8				
VFWKNAML	8				
VFWKNAMR	C				
VFWKNFXM	6B	20			
VFWKNPGS	68				
VFWKRENT	24	80			
VFWKRESH	28				
VFWKREUS	24	40			
VFWKRLDP	20				
VFWKRMOD	24	01			
VFWKRPN	14				

VRAMAP Information

VRAMAP Programming Interface information

Programming Interface information

VRAMAP

End of Programming Interface information

VRAMAP Heading Information • VRAMAP Map

VRAMAP Heading Information

Common Name: Variable Recording Area
Macro ID: IHAVRA
DSECT Name: VRAMAP
Owning Component: RTM (SCR TM)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: Same as containing structure
 Key: Same as containing structure
Size: Variable (255 byte max.)
Created by: The SDWA is created by RTM. Recovery routines can create formatted data within the SDWAVRA field.
Pointed to by: N/A
Serialization: Same as containing structure
Function: Maps the SDWA Variable Recording Area (SDWAVRA) or a component-maintained area in a key, length, data format, to speed up error analysis. Also provides constants for SDWA data and for ABDUMP symptom data.

VRAMAP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VRAMAP	
0	(0)	SIGNED	2	VRAKL (0)	USE THIS LABEL TO OBTAIN THE LENGTH OF THE NEXT TWO FIELDS. KEY TO IDENTIFY THE DATA THAT FOLLOWS. THE POSSIBLE VALUES FOR THIS FIELD ARE GIVEN AS CONSTANTS THAT FOLLOW THE VRAMAP DECLARE.
0	(0)	SIGNED	1	VRAKEY	
1	(1)	SIGNED	1	VRALEN	
2	(2)	SIGNED	1	VRADAT (0)	LENGTH OF THE DATA THAT FOLLOWS. THE CONSTANTS FOR VRAKEY INDICATE SOME RECOMMENDED LENGTHS. VARIABLE LENGTH DATA. THIS DATA IS FOLLOWED BY ADDITIONAL KEY, LENGTH, AND DATA FIELDS UNTIL ALL USER DATA IS SUPPLIED.
2	(2)	X'2'	0	VRALENKL	

Comment

THE FOLLOWING CONSTANTS GIVE THE VALUES THAT ARE SUPPORTED FOR VRAKEY FIELDS. THE MEANINGS OF KEYS 200 ('C8'X) TO 239 ('EF'X) MAY BE ASSIGNED BY EACH RECOVERY ROUTINE. THE MEANINGS OF THE OTHER KEYS ARE ASSIGNED BY THE OWNER OF THE IHAVRA MACRO. KEYS CAN BE REPEATED IN A VARIABLE RECORDING AREA IN ORDER TO SUPPLY SEVERAL FOOTPRINT AREAS, ETC. HOWEVER, FOR DUMP ANALYSIS AND ELIMINATION, ONLY THE FIRST OCCURRENCE OF A KEY WILL BE USED.

THE SDWACID, SDWASC, SDWAMLVL, SDWACRC, AND SDWARRL FIELDS SHOULD BE USED INSTEAD OF THE VRACOM, VRASC, VRALVL, VRARC, AND VRARRL KEYS FOR OS/VS2 JBB1226 AND HIGHER LEVEL MODULES.

End of Comment

2	(2)	X'1'	0	VRACOM	"1" THE VRADAT DATA IS THE 5-BYTE EBCDIC COMPONENT ID (SUCH AS SC1CR). USE THE SDWACID FIELD INSTEAD OF THIS KEY. SEE THE ABOVE NOTE.
2	(2)	X'2'	0	VRASC	"2" THE DATA IS EBCDIC TEXT TO IDENTIFY THE SUBCOMPONENT OR SUBFUNCTION THAT FAILED (SUCH AS RSM-PGFIX), IF NOT IN SDWASC
2	(2)	X'3'	0	VRALVL	"3" THE DATA IS THE EBCDIC LEVEL FOR THE FAILING MODULE, IN COMPILEDATBBPTF--OR SU OR PRODUCT NUMBER--FORMAT (SUCH AS 78.256 UZ86400), AS PRODUCED BY THE PLS ID MACRO ON A PLS PROC STATEMENT OR BY THE MODID MACRO, IF NOT IN SDWAMLVL
2	(2)	X'4'	0	VRADT	"4" THE DATA IS THE EBCDIC ASSEMBLY DATE FOR THE FAILING MODULE, IN YY.DDD OR MM/DD/YY FORMAT, IF NOT SUPPLIED VIA VRALVL OR SDWAMLVL
2	(2)	X'5'	0	VRAPTF	"5" THE DATA IS THE 7-BYTE EBCDIC PTF, SU, OR PRODUCT NUMBER FOR THE FAILING MODULE, (SUCH AS UZ86400), IF NOT SUPPLIED VIA SDWAMLVL
2	(2)	X'6'	0	VRARC	"6" THE DATA IS A HEXADECIMAL RETURN OR REASON CODE OR OTHER CODE FOR THE FAILURE. (IF NOT IN SDWACRC, SUPPLY THIS EVEN IF GIVEN IN REGISTER 15.)
2	(2)	X'7'	0	VRAQVOD	"7" THE DATA IS THE REGISTER 15 AND ERROR PORTIONS OF THE QUEUE VERIFIER OUTPUT DATA, AS MAPPED BY THE IHAQVOD MACRO

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	X'8'	0	VRAQERR	"8" THIS KEY INDICATES A QUEUE ERROR FOR THE CONTROL BLOCK (C.B.) KEY OR GROUP OF KEYS THAT FOLLOW. THE DATA IS AN OPTIONAL 2 BYTE REASON CODE FOR THE QUEUE ERROR, OPTIONALLY FOLLOWED BY A 2 BYTE OFFSET OF THE FIELD IN ERROR, OPTIONALLY FOLLOWED BY A 1 BYTE POSITION OF A BIT IN ERROR. REASON CODES 225 TO 512 ARE ASSIGNED BY THE OWNER OF THIS MACRO. 240 = ZERO ADDRESS, 241 = POINTS TO C.B. WITH INVALID ID, 250 = OTHER TYPE OF BAD ADDRESS, 251 = BIT SETTING IN ERROR, 252 = INVALID C.B. ID, 254 = C.B. MARKED INVALID, 255 = OVERLAP DETECTED IN C.B., 256 = STORAGE CHECK IN C.B., 267 = FIELD VALUE IS NOT A PROPER MULTIPLE, 268 = VALUE IS NOT ON PROPER BOUNDARY, 270 = OTHER UNSUPPORTED VALUE, 271 = OTHER BAD DATA.
2	(2)	X'9'	0	VRALVLS	"9" THE DATA IS THE EBCDIC SYSTEM RELEASE OR PROGRAM PRODUCT/COMPONENT LEVEL THAT THE PROBLEM OCCURS ON (THE RECOMMENDED LENGTH IS 3 BYTES.)
2	(2)	X'10'	0	VRARRP	"16" ('10'X) THE DATA IS THE HEXADECIMAL RECOVERY ROUTINE PARAMETER LIST, WITH 24 BYTE MAXIMUM LENGTH IF FRR
2	(2)	X'11'	0	VRACBM	"17" ('11'X) THE DATA IS THE MAPPING MACRO NAME FOR THE CONTROL BLOCK IN THE NEXT DATA FIELD (SUCH AS IKJTCB)
2	(2)	X'12'	0	VRACB	"18" ('12'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A CONTROL BLOCK OR A PORTION OF A CONTROL BLOCK.
2	(2)	X'13'	0	VRACBF	"19" ('13'X) THE DATA IS THE NAME OF A CONTROL BLOCK FIELD. IT IS PRECEDED BY THE MAPPING MACRO NAME (SEE VRACBM) AND IT IS FOLLOWED BY THE VRACB KEY AND DATA, WHICH CAN BE A SINGLE CONTROL BLOCK FIELD OR A SECTION OF A CONTROL BLOCK, STARTING WITH THIS FIELD.
2	(2)	X'14'	0	VRACBA	"20" ('14'X) THE DATA IS THE 4 BYTE ADDRESS OF A CONTROL BLOCK (WHICH MAY BE IDENTIFIED BY VRACBM DATA), OPTIONALLY FOLLOWED BY THE 2 BYTE ASID FOR THE CONTROL BLOCK
2	(2)	X'15'	0	VRACBO	"21" ('15'X) THE DATA IS THE OFFSET OF A CONTROL BLOCK FIELD. IT IS PRECEDED BY THE MAPPING MACRO NAME (SEE VRACBM) AND IT IS FOLLOWED BY THE VRACB KEY AND DATA, WHICH CAN BE A SINGLE FIELD OR A SECTION OF A CONTROL BLOCK, STARTING AT THIS OFFSET. (THE VRACBO KEY IS USEFUL IF THE VRACBF DATA TAKES UP TOO MUCH VRA SPACE.)
2	(2)	X'16'	0	VRACBL	"22" ('16'X) THE DATA IS THE LENGTH OF THE CONTROL BLOCK THAT IS AT THE ADDRESS IDENTIFIED BY THE ADDRESS IDENTIFIED BY THE VRACBA KEY
2	(2)	X'18'	0	VRACBI	"24" ('18'X) THE DATA IS A ONE BYTE CONTROL BLOCK ID NUMBER, FOLLOWED BY THE CONTROL BLOCK. IDS 200-239 CAN BE ASSIGNED BY THE INDIVIDUAL RECOVERY ROUTINE. THE OTHER IDS ARE ASSIGNED BY THE OWNER OF THE IHAVRA MACRO. 1=UCB, 2=RCA, 3=IOSB, 4=ASCB, 5=SVRB XSA.
2	(2)	X'19'	0	VRACBIA	"25" ('19'X) THE DATA IS A ONE BYTE C.B. ID NUMBER (AS DEFINED UNDER VRACBI) AND ONE ZEROED BYTE, FOLLOWED BY THE 4 BYTE C.B. ADDRESS AND AN OPTIONAL 2 BYTE C.B. LENGTH. THE LENGTH CAN BE FOLLOWED BY AN OPTIONAL 2 BYTE ASID.
2	(2)	X'1A'	0	VRACBI2	"26" ('1A'X) THE DATA IS A ONE BYTE CONTROL BLOCK ID NUMBER AND ONE ZEROED BYTE, FOLLOWED BY THE CONTROL BLOCK. SEE VRACBI FOR THE DEFINITION OF THE C.B. ID NUMBER.
2	(2)	X'20'	0	VRAPLI	"32" ('20'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE PARAMETER LIST IN THE NEXT DATA FIELD. (IF IT HAS A MAPPING MACRO, USE THE VRACBM AND VRACB KEYS, INSTEAD.)
2	(2)	X'21'	0	VRAPL	"33" ('21'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A PARAMETER LIST
2	(2)	X'22'	0	VRAFPI	"34" ('22'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE FOOTPRINT AREA DATA IN THE NEXT DATA FIELD
2	(2)	X'23'	0	VRAFP	"35" ('23'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A FOOTPRINT AREA
2	(2)	X'24'	0	VRAPA	"36" ('24'X) THE DATA DESCRIBES THE EXECUTION PATH UP TO THE TIME OF THE ERROR. IT CONSISTS OF FOUR (EBCDIC) CHARACTERS TO IDENTIFY EACH SUBROUTINE OR MODULE THAT WAS INVOKED. THE FOUR RIGHTMOST CHARACTERS IDENTIFY THE LAST ROUTINE THAT WAS INVOKED.
2	(2)	X'25'	0	VRAP2	"37" ('25'X) THE DATA DESCRIBES THE EXECUTION PATH IN THE SAME FORMAT AS THE VRAPA KEY, BUT THE ID IS TWO CHARACTERS, NOT FOUR
2	(2)	X'26'	0	VRALK	"38" ('26'X) THE DATA IS THE EBCDIC NAME OF A LOCK THAT IS HELD
2	(2)	X'27'	0	VRAWAI	"39" ('27'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE WORK AREA IN THE NEXT DATA FIELD
2	(2)	X'28'	0	VRAWA	"40" ('28'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A WORK AREA THAT HAS NO MAPPING MACRO
2	(2)	X'29'	0	VRAWAP	"41" ('29'X) THE DATA IS THE ADDRESS OF A WORK AREA (WHICH MAY BE IDENTIFIED BY VRAWAI DATA)

VRAMAP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	X'30'	0	VRALBL	"48" ('30'X) THE DATA IS AN EBCDIC LABEL RELATED TO THE FAILURE, SUCH AS THE LABEL OF THE CSECT THAT FAILED (IF THE CSECT IS NOT AT THE BEGINNING OF THE FAILING MICROFICHE MODULE NAMED IN SDWACST)
2	(2)	X'31'	0	VRARRL	"49" ('31'X) THE DATA IS THE LABEL OF THE RECOVERY ROUTINE HANDLING THE ERROR, IF THE RECOVERY ROUTINE IS NOT AT THE BEGINNING OF THE MICROFICHE MODULE, SDWAREXN AND CANNOT SUPPLY IN SDWARRL FIELD
2	(2)	X'33'	0	VRAMID	"51" ('33'X) THE DATA IS AN EBCDIC MESSAGE ID FOR A MESSAGE RELATED TO THE FAILURE, WITH MESSAGE TEXT OPTIONALLY APPEARING IN THE NEXT DATA FIELD
2	(2)	X'34'	0	VRAMSG	"52" ('34'X) THE DATA IS EBCDIC MESSAGE TEXT FOR THE MESSAGE ID IN THE VRAMID DATA FIELD
2	(2)	X'35'	0	VRAERR	"53" ('35'X) THE DATA IS EBCDIC INFORMATION ABOUT THE CAUSE OF THE ERROR (SUCH AS WHAT CONTROL BLOCK QUEUE FAILED AND WHERE)
2	(2)	X'36'	0	VRAEHX	"54" ('36'X) THE DATA IS HEXADECIMAL INFORMATION ABOUT THE CAUSE OF THE ERROR (SUCH AS THE ADDRESS OF AN INVALID QUEUE ELEMENT), AS EXPLAINED BY THE VRAERR DATA FIELD
2	(2)	X'37'	0	VRAHID	"55" ('37'X) THE DATA IS AN EBCDIC HEADER TO IDENTIFY THE INFORMATION IN THE FIELD THAT FOLLOWS IT IN THE VARIABLE RECORDING AREA
2	(2)	X'38'	0	VRAHEX	"56" ('38'X) THE DATA IS HEXADECIMAL INFORMATION
2	(2)	X'39'	0	VRAEBC	"57" ('39'X) THE DATA IS EBCDIC INFORMATION
2	(2)	X'3A'	0	VRAAID	"58" ('3A'X) THE DATA IS THE 2-BYTE HEXADECIMAL ASID ON WHOSE BEHALF THE FAILING ASID WAS OPERATING
2	(2)	X'3B'	0	VRATCB	"59" ('3B'X) THE DATA IS THE ADDRESS OF THE TCB ON WHOSE BEHALF THE FAILING FUNCTION WAS OPERATING
2	(2)	X'3C'	0	VRACA	"60" ('3C'X) THE DATA IS THE ADDRESS OF THE CALLER (INVOKER) OF THE FAILING FUNCTION
2	(2)	X'3D'	0	VRACAN	"61" ('3D'X) THE DATA IS THE NAME OF THE MODULE THAT CALLED THE FAILING FUNCTION
2	(2)	X'40'	0	VRAOA	"64" ('40'X) THE DATA IS THE ORIGINAL HEXADECIMAL ABEND COMPLETION CODE, BEFORE IT WAS CHANGED TO A COMPONENT-RELATED ABEND CODE. (THE RECOMMENDED LENGTH IS 3 BYTES.)
2	(2)	X'41'	0	VRAPSW	"65" ('41'X) THE DATA IS THE PSW FROM THE ORIGINAL ABEND, OR ANOTHER PSW ASSOCIATED WITH THE ABEND
2	(2)	X'42'	0	VRAINS	"66" ('42'X) THE DATA IS THE FAILING INSTRUCTION POINTED TO BY THE PSW FROM THE ORIGINAL ABEND, OR ANOTHER PSW ASSOCIATED WITH THE ABEND
2	(2)	X'43'	0	VRAREGS	"67" ('43'X) THE DATA IS THE GENERAL PURPOSE REGISTERS AT THE TIME OF THE ORIGINAL ABEND (OR OTHER REGISTERS ASSOCIATED WITH THE ABEND), IN THE ORDER INDICATED BY THE VRAFREG KEY
2	(2)	X'44'	0	VRAREGA	"68" ('44'X) THE DATA IS THE ADDRESS OF AN AREA WITH THE GENERAL PURPOSE REGISTERS AT THE TIME OF THE ORIGINAL ABEND (OR OTHER REGISTERS ASSOCIATED WITH THE ABEND), IN THE ORDER INDICATED BY VRAFREG
2	(2)	X'45'	0	VRAOR15	"69" ('45'X) THE DATA IS REGISTER 15 AT THE TIME OF THE ORIGINAL ABEND
2	(2)	X'46'	0	VRADSN	"70" ('46'X) THE DATA IS THE EBCDIC NAME OF A DATA SET ASSOCIATED WITH THE FAILURE (SUCH AS SYS1.PAGE01)
2	(2)	X'47'	0	VRADEV	"71" ('47'X) THE DATA IS THE EBCDIC NAME OF A DEVICE ASSOCIATED WITH THE FAILURE
2	(2)	X'48'	0	VRASN	"72" ('48'X) THE DATA IS HEXADECIMAL I/O SENSE DATA
2	(2)	X'49'	0	VRAST	"73" ('49'X) THE DATA IS HEXADECIMAL I/O STATUS DATA
2	(2)	X'4A'	0	VRAU	"74" ('4A'X) THE DATA IS AN EBCDIC UNIT ADDRESS OR UNIT NAME (UCBNAME)
2	(2)	X'4B'	0	VRACCW	"75" ('4B'X) THE DATA IS THE HEXADECIMAL CCW FOR AN I/O REQUEST
2	(2)	X'4C'	0	VRACSW	"76" ('4C'X) THE DATA IS THE HEXADECIMAL CSW FOR AN I/O REQUEST
2	(2)	X'4D'	0	VRADVT	"77" ('4D'X) THE DATA IS HEXADECIMAL DEVICE TYPE INFORMATION, IN THE SAME FORMAT AS THE UCBTYP FIELD
2	(2)	X'4E'	0	VRAVOL	"78" ('4E'X) THE DATA IS AN EBCDIC VOLUME SERIAL NUMBER FOR A DATA SET ASSOCIATED WITH THE FAILURE
2	(2)	X'50'	0	VRAREQ	"80" ('50'X) THE DATA IS ONE OR MORE KEYS WHICH ARE TO BE USED BY DAE FOR MATCHING FOR DUPLICATES. EACH KEY MUST BE A HALF WORD.
2	(2)	X'51'	0	VRAOPT	"81" ('51'X) THE DATA IS ONE OR MORE KEYS WHICH, IF PRESENT, WILL BE USED BY DAE FOR MATCHING FOR DUPLICATES. EACH KEY MUST BE A HALF WORD.
2	(2)	X'52'	0	VRAMINSC	"82" ('52'X) THE DATA IS A 2 BYTE MINIMUM COUNT OF SYMPTOMS REQUIRED BEFORE DAE CAN CARRY OUT MATCHING FOR DUPLICATES. THE DATA MUST BE 2 BYTES (HALF-WORD) IN LENGTH.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	X'53'	0	VRADAE	"83" ('53'X) NO DATA IS ASSOCIATED WITH THIS KEY. THE KEY SHOULD BE PLACED INTO THE VRA PRIOR TO A DUMP REQUEST IF THE SDWA CONTAINS SUFFICIENT DATA FOR DAE TO UNIQUELY IDENTIFY THE DUMP.
2	(2)	X'54'	0	VRAMINSL	"84" ('54'X) THE DATA IS A 2 BYTE MINIMUM LENGTH OF SYMPTOM STRING REQUIRED BEFORE DAE CAN CARRY OUT MATCHING FOR DUPLICATES.
2	(2)	X'60'	0	VRAFREG	"96" ('60'X) THE DATA IS A 1 BYTE REGISTER NUMBER OF THE FIRST REGISTER IN THE VRAREGS OR VRAREGA AREA THAT FOLLOWS. DEFAULT IS REG.0. REG.14 INDICATES REGISTERS IN 14,15,0-12 ORDER.
2	(2)	X'63'	0	VRACSCB	"99" ('63'X) THE DATA IS THE CSCB CONTROL BLOCK WITH THE OPERATOR COMMAND ASSOCIATED WITH THE FAILURE
2	(2)	X'64'	0	VRACSCBA	"100" ('64'X) THE DATA IS THE ADDRESS OF THE CSCB CONTROL BLOCK ASSOCIATED WITH THE FAILURE
2	(2)	X'65'	0	VRAJOB	"101" ('65'X) THE DATA IS THE JOBNAME THAT FAILED. NOTE, THE JOBNAME IS ALSO IN THE ENTRY HEADER IN THE LOGREC DATA SET.
2	(2)	X'66'	0	VRASTP	"102" ('66'X) THE DATA IS THE STEPNAME THAT FAILED
2	(2)	X'67'	0	VRACMD	"103" ('67'X) THE DATA IS AN EBCDIC TSO COMMAND OR OTHER COMMAND ASSOCIATED WITH THE FAILURE
2	(2)	X'68'	0	VRAJCL	"104" ('68'X) THE DATA IS A JCL STATEMENT
2	(2)	X'69'	0	VRANODAE	"105" ('69'X) NO DATA IS ASSOCIATED WITH THIS KEY. THE KEY SHOULD BE PLACED INTO THE VRA PRIOR TO A DUMP REQUEST IF THE SDWA DOES NOT CONTAIN SUFFICIENT DATA FOR DAE TO UNIQUELY IDENTIFY THE DUMP.
2	(2)	X'73'	0	VRAEPN	"115" ('73'X) THE DATA IS THE NAME OF THE ENTRY POINT INVOLVED IN THE FAILURE
2	(2)	X'77'	0	VRAETF	"119" ('77'X) THE DATA IS THE ADDRESS OF THE ENTRY POINT INVOLVED IN THE FAILURE
2	(2)	X'78'	0	VRACTF	"120" ('78'X) THE DATA IS THE ADDRESS OF THE CSECT (ASSEMBLY MODULE) THAT FAILED
2	(2)	X'79'	0	VRALTF	"121" ('79'X) THE DATA IS THE ADDRESS OF THE LOAD MODULE THAT FAILED
2	(2)	X'7A'	0	VRAMO	"122" ('7A'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING CSECT (ASSEMBLY MODULE) INTO ITS LOAD MODULE
2	(2)	X'7B'	0	VRAILO	"123" ('7B'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING INSTRUCTION INTO ITS LOAD MODULE
2	(2)	X'7C'	0	VRAIMO	"124" ('7C'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING INSTRUCTION INTO ITS CSECT (ASSEMBLY MODULE)
2	(2)	X'7D'	0	VRAFID	"125" ('7D'X) THE DATA IS THE EBCDIC FEATURE ID FOR THE FAILING CSECT (ASSEMBLY MODULE)
2	(2)	X'7E'	0	VRAPID	"126" ('7E'X) THE DATA IS THE EBCDIC PRODUCT ID FOR THE FAILING MODULE
2	(2)	X'A0'	0	VRAIAP	"160" ('A0'X) THE DATA IS THE NAME OF AN ANALYTIC PROCEDURE TO BE RUN BY THE PROGRAM IDENTIFIED IN THE VRAIDP DATA
2	(2)	X'A1'	0	VRAIAL	"161" ('A1'X) THE DATA IS A PARAMETER LIST FOR USE BY THE ANALYTIC PROCEDURE IDENTIFIED IN THE VRAIAP DATA
2	(2)	X'A2'	0	VRAICL	"162" ('A2'X) THE DATA IS A PARAMETER LIST FOR USE IN CONTROL OF THE PROGRAM IDENTIFIED IN THE VRAIDP DATA
2	(2)	X'A3'	0	VRAIDP	"163" ('A3'X) THE DATA IS THE NAME OF THE DUMP (OR LOGREC) READING PROGRAM THAT SHOULD PROCESS THE DATA IN THE VRAIAP, VRAIAL, AND VRAICL FIELDS
2	(2)	X'A4'	0	VRALKWA	"164" ('A4'X) THE DATA IS THE ADDRESS OF THE LOCKWORD FOR THE LOCK INDICATED BY VRALK
2	(2)	X'C8'	0	VRARRK	"200" ('C8'X) THIS KEY AND KEYS 201 THRU 239 ('EF'X) MAY BE DEFINED BY THE INDIVIDUAL RECOVERY ROUTINE. EACH KEY CAN BE PRECEDED BY THE VRAHID KEY AND TEXT TO IDENTIFY THE RECOVERY ROUTINE DATA.

Comment

KEYS 201 THROUGH 239 MAY BE USED BY RECOVERY ROUTINES TO SUPPLY PROBLEM SYMPTOMS WHICH ARE NOT DESCRIBED BY THE PREVIOUS KEYS. EACH KEY REQUIRES A PARTICULAR TYPE OF DATA, AS FOLLOWS:
 KEYS 201-224 - EBCDIC DATA
 KEYS 225-234 - HEXADECIMAL DATA
 KEYS 235-239 - FLAG DATA

End of Comment

2	(2)	X'C9'	0	VRARRK1	"201" ('C9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CA'	0	VRARRK2	"202" ('CA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CB'	0	VRARRK3	"203" ('CB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CC'	0	VRARRK4	"204" ('CC'X) KEY DEFINED BY THE RECOVERY ROUTINE

VRAMAP Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	X'CD'	0	VRARRK5	"205" ('CD'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CE'	0	VRARRK6	"206" ('CE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CF'	0	VRARRK7	"207" ('CF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D0'	0	VRARRK8	"208" ('D0'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D1'	0	VRARRK9	"209" ('D1'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D2'	0	VRARRK10	"210" ('D2'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D3'	0	VRARRK11	"211" ('D3'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D4'	0	VRARRK12	"212" ('D4'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D5'	0	VRARRK13	"213" ('D5'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D6'	0	VRARRK14	"214" ('D6'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D7'	0	VRARRK15	"215" ('D7'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D8'	0	VRARRK16	"216" ('D8'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D9'	0	VRARRK17	"217" ('D9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DA'	0	VRARRK18	"218" ('DA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DB'	0	VRARRK19	"219" ('DB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DC'	0	VRARRK20	"220" ('DC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DD'	0	VRARRK21	"221" ('DD'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DE'	0	VRARRK22	"222" ('DE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DF'	0	VRARRK23	"223" ('DF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E0'	0	VRARRK24	"224" ('E0'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E1'	0	VRARRK25	"225" ('E1'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E2'	0	VRARRK26	"226" ('E2'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E3'	0	VRARRK27	"227" ('E3'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E4'	0	VRARRK28	"228" ('E4'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E5'	0	VRARRK29	"229" ('E5'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E6'	0	VRARRK30	"230" ('E6'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E7'	0	VRARRK31	"231" ('E7'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E8'	0	VRARRK32	"232" ('E8'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E9'	0	VRARRK33	"233" ('E9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EA'	0	VRARRK34	"234" ('EA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EB'	0	VRARRK35	"235" ('EB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EC'	0	VRARRK36	"236" ('EC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'ED'	0	VRARRK37	"237" ('ED'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EE'	0	VRARRK38	"238" ('EE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EF'	0	VRARRK39	"239" ('EF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'FA'	0	VRASKP	"250" ('FA'X) THIS KEY CAN BE USED TO SKIP TO A FULLWORD BOUNDARY. ANY DATA WILL BE IGNORED.
2	(2)	X'FF'	0	VRAEND	"255" ('FF'X) THE DATA FROM THIS KEY FIELD TO THE END OF THE VARIABLE USER DATA IS NOT MAPPED. (THE SDWAURAL FIELD DEFINES THE LENGTH OF THE USER DATA IN THE SDWAVRA.) THIS KEY IS NOT NEEDED IF ALL OF THE USER-SUPPLIED DATA IS MAPPED.

Comment

HEXADECIMAL KEYS FOR MAIN FIXED AREA OF SDWA

End of Comment

2	(2)	X'3E9'	0	EFABS	"1001" ('3E9'X) THE DATA IS THE SYSTEM ABEND CODE.
2	(2)	X'3EA'	0	EFABU	"1002" ('3EA'X) THE DATA IS THE USER ABEND CODE.
2	(2)	X'3EB'	0	EFLDM	"1003" ('3EB'X) THE DATA IS THE FAILING LOAD MODULE NAME.
2	(2)	X'3EC'	0	EFCSCT	"1004" ('3EC'X) THE DATA IS THE FAILING CSECT NAME.
2	(2)	X'3ED'	0	EFREXN	"1005" ('3ED'X) THE DATA IS THE RECOVERY ROUTINE NAME.
2	(2)	X'3F3'	0	EFPSW	"1011" ('3F3'X) THE DATA IS THE PSW REGISTER DIFFERENCE.

Comment

HEXADECIMAL KEYS FOR FIRST EXTENSION OF SDWA = SDWARC1

End of Comment

2	(2)	X'44D'	0	E1C1D1C	"1101" THIS KEY SHOULD NOT BE USED. IT IS RETAINED FOR COMPATABILITY REASONS ONLY.
2	(2)	X'44D'	0	E1CID1C	"1101" ('44D'X) THE DATA IS THE COMPONENT ID.
2	(2)	X'44E'	0	E1SUB1C	"1102" ('44E'X) THE DATA IS THE SUBFUNCTION.
2	(2)	X'451'	0	E1AMD1C	"1105" ('451'X) THE DATA IS THE ASSEMBLY DATE OF THE FAILING MODULE.
2	(2)	X'452'	0	E1VRS1C	"1106" ('452'X) THE DATA IS THE VERSION OF THE MODULE-PTF OR PRODUCT NUMBER.
2	(2)	X'454'	0	E1HRC1C	"1108" ('454'X) THE DATA IS THE REASON OR RETURN CODE.
2	(2)	X'456'	0	E1RRL1C	"1110" ('456'X) THE DATA IS THE LABEL OF THE RECOVERY ROUTINE THAT FILLED IN THIS SDWA.
2	(2)	X'45A'	0	E1CDB1C	"1114" ('45A'X) THE DATA IS THE COMPONENT ID BASE NUMBER, SUCH AS 5741.
2	(2)	X'45C'	0	E1CCR1C	"1116" ('45C'X) THE DATA ARE PROGRAM STATUS FLAGS.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
2	(2)	X'45E'	0	E1HLH1C	"1118" ('45E'X) COPY OF PSAHLHI-HIGHEST LOCK HELD INDICATOR.
2	(2)	X'460'	0	E1SUP1C	"1120" ('460'X) COPY OF PSASUPER (SUPERVISOR CONTROL WORD).
2	(2)	X'464'	0	E1SPN1C	"1124" ('464'X) COPY OF LCCASPIN (PROCESSOR IS SPINNING INDICATORS).
2	(2)	X'466'	0	E1FI1C	"1126" ('466'X) THE DATA ARE THE 12 BYTES OF THE INSTRUCTION STREAM AS DETERMINED BY THE ADDRESS IN THE FAILING PSW.
2	(2)	X'468'	0	E1FRR1C	"1128" ('468'X) THE DATA IS A COPY OF THE FRR PARAMETER AREA FROM THE CURRENT FRR STACK ENTRY.
2	(2)	X'46A'	0	E1ASID1C	"1130" ('46A'X) THE DATA IS THE ASID OF THE FAILING TASK OR A RELATED ASID.
2	(2)	X'46C'	0	E1ORCC1C	"1132" ('46C'X) THE DATA IS THE ORIGINAL COMPLETION CODE.
2	(2)	X'46E'	0	E1ORRC1C	"1134" ('46E'X) THE DATA IS THE ORIGINAL REASON CODE.
2	(2)	X'470'	0	E1PIDS1C	"1136" ('470'X) THE DATA IS THE PRODUCT/COMPONENT ID.

Comment

HEXADECIMAL KEYS FOR SECOND EXTENSION OF SDWA = SDWARC2

End of Comment

2	(2)	X'4B3'	0	E2MCIC	"1203" ('4B3'X) THE DATA IS THE MACHINE CHECK INTERRUPT CODE.
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Comment

HEXADECIMAL KEYS FOR SYSDUMP SYSTEMS ARE THE SAME AS FOR THE SAME SYMPTOMS FROM THE SDWA
HEXADECIMAL KEYS FOR RETAIN SYMPTOMS

End of Comment

2	(2)	X'0'	0	RINVLD	"0" ('0'X) INVALID SYMPTOM.
2	(2)	X'1'	0	RABNDSR	"1" ('01'X) THE DATA IS THE SYSTEM ABEND CODE.
2	(2)	X'2'	0	RABNDUR	"2" ('02'X) THE DATA IS THE USER ABEND CODE.
2	(2)	X'3'	0	RFLDSR	"3" ('03'X) THE DATA IS A FIELD NAME OR LABEL.
2	(2)	X'4'	0	RLVLSR	"4" ('04'X) THE DATA IS THE COMPONENT, SU, PP, RELEASE LEVEL.
2	(2)	X'5'	0	RMSGIDR	"5" ('05'X) MESSAGE IDENTIFIER.
2	(2)	X'6'	0	RADRSR	"6" ('06'X) ADDRESS OR OFFSET.
2	(2)	X'7'	0	RPCSSR	"7" ('07'X) THE DATA IS JCL, AN OPERATOR COMMAND A USER COMMAND, OR A PARAMETER (EBCDIC).
2	(2)	X'8'	0	RPIDSR	"8" ('08'X) THE DATA IS A COMPONENT IDENTIFIER AS 5752SC124 OR 575200000.
2	(2)	X'9'	0	RPRCSR	"9" ('09'X) THE DATA IS THE RETURN OR REASON CODE.
2	(2)	X'A'	0	RPTFSRR	"10" ('0A'X) THE DATA IS A PTF IDENTIFIER.
2	(2)	X'B'	0	RPZFSR	"11" ('0B'X) THE DATA IS A SUPERZAP IDENTIFIER.
2	(2)	X'C'	0	RREGSR	"12" ('0C'X) THE DATA ARE THE CONTENTS OF THE FAILING REGISTERS.
2	(2)	X'D'	0	RRIDSR	"13" ('0D'X) MODULE, CSECT, ROUTINE NAME, ACCESS METHOD, ETC.
2	(2)	X'E'	0	RSTATR	"14" ('0E'X) CSW, DSW STATUS.
2	(2)	X'F'	0	RVALUHR	"15" ('0F'X) THE DATA IS HEXADECIMAL IN THE SOURCE FIELD.
2	(2)	X'10'	0	RVALUCR	"16" ('10'X) THE DATA IS CHARACTER IN THE SOURCE FIELD.
2	(2)	X'11'	0	RVALUBR	"17" ('11'X) THE DATA IS A FLAG FIELD IN THE SOURCE FIELD.

VRAMAP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EFABS	2	3E9	E1SPN1C	2	464
EFABU	2	3EA	E1SUB1C	2	44E
EFCSCT	2	3EC	E1SUP1C	2	460
EFLDMD	2	3EB	E1VRS1C	2	452
EFPSW	2	3F3	E2MCIC	2	4B3
EFREXN	2	3ED	RABNDSR	2	1
E1AMD1C	2	451	RABNDUR	2	2
E1ASID1C	2	46A	RADRSR	2	6
E1CCR1C	2	45C	RFLDSR	2	3
E1CDB1C	2	45A	RINVLD	2	0
E1CID1C	2	44D	RLVLSR	2	4
E1C1D1C	2	44D	RMSGIDR	2	5
E1FI1C	2	466	RPCSSR	2	7
E1FRR1C	2	468	RPIDSR	2	8
E1HLH1C	2	45E	RPRCSR	2	9
E1HRC1C	2	454	RPTFSRR	2	A
E1ORCC1C	2	46C	RPZFSR	2	B
E1ORRC1C	2	46E	RREGSR	2	C
E1PIDS1C	2	470	RRIDSR	2	D
E1RRL1C	2	456	RSTATR	2	E

VRAMAP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RVALUBR	2	11	VRAPTF	2	5
RVALUCR	2	10	VRAP2	2	25
RVALUHR	2	F	VRAQERR	2	8
VRAAID	2	3A	VRAQVOD	2	7
VRACA	2	3C	VRARC	2	6
VRACAN	2	3D	VRAREGA	2	44
VRACB	2	12	VRAREGS	2	43
VRACBA	2	14	VRAREQ	2	50
VRACBF	2	13	VRARRK	2	C8
VRACBI	2	18	VRARRK1	2	C9
VRACBIA	2	19	VRARRK10	2	D2
VRACBI2	2	1A	VRARRK11	2	D3
VRACBL	2	16	VRARRK12	2	D4
VRACBM	2	11	VRARRK13	2	D5
VRACBO	2	15	VRARRK14	2	D6
VRACCW	2	4B	VRARRK15	2	D7
VRACMD	2	67	VRARRK16	2	D8
VRACOM	2	1	VRARRK17	2	D9
VRACSCB	2	63	VRARRK18	2	DA
VRACSCBA	2	64	VRARRK19	2	DB
VRACSW	2	4C	VRARRK2	2	CA
VRACTF	2	78	VRARRK20	2	DC
VRADAE	2	53	VRARRK21	2	DD
VRADAT	2		VRARRK22	2	DE
VRADDEV	2	47	VRARRK23	2	DF
VRADSN	2	46	VRARRK24	2	E0
VRADT	2	4	VRARRK25	2	E1
VRADVT	2	4D	VRARRK26	2	E2
VRAEBC	2	39	VRARRK27	2	E3
VRAEHX	2	36	VRARRK28	2	E4
VRAEND	2	FF	VRARRK29	2	E5
VRAEPN	2	73	VRARRK3	2	CB
VRAERR	2	35	VRARRK30	2	E6
VRAETF	2	77	VRARRK31	2	E7
VRAFID	2	7D	VRARRK32	2	E8
VRAFP	2	23	VRARRK33	2	E9
VRAFPI	2	22	VRARRK34	2	EA
VRAFREG	2	60	VRARRK35	2	EB
VRAHEX	2	38	VRARRK36	2	EC
VRAHID	2	37	VRARRK37	2	ED
VRAIAL	2	A1	VRARRK38	2	EE
VRAIAP	2	A0	VRARRK39	2	EF
VRAICL	2	A2	VRARRK4	2	CC
VRAIDP	2	A3	VRARRK5	2	CD
VRAILO	2	7B	VRARRK6	2	CE
VRAIMO	2	7C	VRARRK7	2	CF
VRAINS	2	42	VRARRK8	2	D0
VRAJCL	2	68	VRARRK9	2	D1
VRAJOB	2	65	VRARRL	2	31
VRAKEY	0		VRARRP	2	10
VRAKL	0		VRASC	2	2
VRALBL	2	30	VRASKP	2	FA
VRALEN	1		VRASN	2	48
VRALENKL	2	2	VRAST	2	49
VRALK	2	26	VRASTP	2	66
VRALKWA	2	A4	VRATCB	2	3B
VRALTF	2	79	VRAU	2	4A
VRALVL	2	3	VRAVOL	2	4E
VRALVLS	2	9	VRAWA	2	28
VRAMAP	0		VRAWAI	2	27
VRAMID	2	33	VRAWAP	2	29
VRAMINSC	2	52			
VRAMINSL	2	54			
VRAMO	2	7A			
VRAMSG	2	34			
VRANODAE	2	69			
VRAOA	2	40			
VRAOPT	2	51			
VRAOR15	2	45			
VRAPA	2	24			
VRAPID	2	7E			
VRAPL	2	21			
VRAPLI	2	20			
VRAPSW	2	41			

VSL Information

VSL Programming Interface information

Programming Interface information

VSL

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

- VSLRAO

End of Programming Interface information

VSL Heading Information • VSL Cross Reference

VSL Heading Information

Common Name: Virtual Subarea List Entry
Macro ID: IHAVSL
DSECT Name: VSL
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes: Virtual Storage: Yes
 Subpool: USER SPECIFIED.
 Key: USER SPECIFIED.
 Residency: Below 16 megabytes virtual
Size: 8 bytes
Created by: Caller
Pointed to by: USER SPECIFIED.
Serialization: USER SPECIFIED.
Function: Describes a paging service to be performed on a range of virtual pages.

VSL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VSL	, VSLPTR
0	(0)	ADDRESS	4	VSLSTRT (0)	- FULL WORD REFERENCE TO VSLSTRTA
0	(0)	BITSTRING	1	VSLFLAG1	- FIRST FLAG FIELD
		1...		VSLCONT	"BIT0" - CONTINUATION FLAG. IF ON, VSLSTRTA POINTS TO THE NEXT VSL ENTRY. OTHERWISE, THIS IS A NORMAL VSL.
		.1.		VSLFIX	"BIT1" - PGFIX OPTION FLAG
		..1.		VSLFREE	"BIT2" - PGFREE OPTION FLAG
		...1		VSLOAD	"BIT3" - PGLoad OPTION FLAG
		.... 1..		VSLRLS	"BIT4" - PGRLSE OPTION FLAG
		.... .1..		VSLANYW	"BIT5" - PAGE-ANYWHERE OPTION FLAG
		.... .1..		VSLONG	"BIT6" - LONG-TERM FIX OPTION FLAG FOR PGFIX
		.... ...1		VSLRSV2	"BIT7" - RESERVED
1	(1)	ADDRESS	3	VSLSTRTA	- START ADDRESS OF THE VIRTUAL SUBAREA TO BE PROCESSED
4	(4)	ADDRESS	4	VSEND (0)	- FULL WORD REFERENCE FOR VSELEND
4	(4)	BITSTRING	1	VSLFLAG2	- SECOND FLAG FIELD
		1...		VSLAST	"BIT0" - LAST ENTRY IN LIST OF REQUESTS FLAG
		.1.		VSLNULL	"BIT1" - NULL ENTRY FLAG. IF ON, INDICATES THAT THE ENTRY IS TO BE IGNORED.
		..1.		VSLRAO	"BIT2" - REAL ADDRESS OPTION FLAG. IF ON, THE REAL STORAGE ADDRESS ASSIGNED TO THE VIRTUAL AREA WILL BE STORED IN VSELEND. NOT SUPPORTED IN VS2/2.
		...1		VSLERR	"BIT3" - RESERVED FOR MVS/370
		.... 1..		VSLRSV3	"BIT4" - RESERVED
		.... .1..		VSLPGOUT	"BIT5" - PERFORM A PAGE-OUT OPERATION
		.... .1..		VSLKEPRL	"BIT6" - KEEP REAL FRAME AFTER PAGE-OUT
		.... ...1		VSEXTRS	"BIT7" - RESERVED FOR EXPANSION
5	(5)	ADDRESS	3	VSELEND1A	- END ADDRESS PLUS 1 OF THE VIRTUAL SUBAREA DESCRIBED BY THIS ENTRY.
8	(8)	CHARACTER	1	VSELENDPT (0)	- END OF VIRTUAL SUBAREA LIST ENTRY
8	(8)	X'8'	0	VSLLEN	"VSELENDPT-VSL" - LENGTH OF VSL ENTRY

VSL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VSL	0		VSLONG	0	2
VSLANYW	0	4	VSLPGOUT	4	4
VSLAST	4	80	VSLRAO	4	20
VSLCONT	0	80	VSLRLS	0	8
VSELEND	4		VSLRSV2	0	1
VSELENDPT	8		VSLRSV3	4	8
VSELEND1A	5		VSLSTRT	0	
VSLERR	4	10	VSLSTRTA	1	
VSEXTRS	4	1			
VSLFIX	0	40			
VSLFLAG1	0				
VSLFLAG2	4				
VSLFREE	0	20			
VSLKEPRL	4	2			
VSLLEN	8	8			
VSLNULL	4	40			
VSLOAD	0	10			

VSMD Information

VSMD Programming Interface Information

Programming Interface Information

VSMD

End of Programming Interface Information

VSMD Heading Information • VSMD Cross Reference

VSMD Heading Information

Common Name: VSM Descriptors
Macro ID: IGVVSMD
DSECT Name: VSMD
Owning Component: Virtual Storage Manager (SC1CH)
Serialization: None
Function: Describes information provided by VSMLIST service.

VSMD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VSMD	
0	(0)	SIGNED	4	VSMDSP (0)	SUBPOOL DESCRIPTOR
0	(0)	ADDRESS	1	VSMDFRMT	INDICATES FORMAT OF DESC.
1	(1)	ADDRESS	1	VSMDLEN	LENGTH OF THE DESCRIPTOR
2	(2)	ADDRESS	1	VSMDID	SUBPOOL ID
3	(3)	ADDRESS	1	VSMDKEY	STORAGE KEY (BITS 0 - 3)
3	(3)	BITSTRING	1	VSMDFLGS	MISCELLANEOUS FLAGS
		.... 1...		VSMDOWN	"X'08" IF ONE, THE SUBPOOL IS OWNED
		.... .1..		VSMDSHR	"X'04" IF ONE, THE SUBPOOL IS SHARED
		.... ..1.		VSMDINV	"X'02" IF ONE, THE SUBPOOL IS INVALID
4	(4)	ADDRESS	4	VSMDTCBP	ADDRESS OF OWNING TCB OR ZERO
0	(0)	SIGNED	4	VSMDBLK (0)	BLOCK DESCRIPTOR
0	(0)	ADDRESS	4	VSMDAREA	ADDRESS OF BLOCK
4	(4)	ADDRESS	4	VSMDSIZE	SIZE OF THE BLOCK
0	(0)	ADDRESS	4	VSMDTCB	ADDRESS OF OWNING TCB
0	(0)	ADDRESS	4	VSMDCNT	NUMBER OF DESCRIPTORS THAT FOLLOW

VSMD Cross Reference

Name	Hex Offset	Hex Value
VSMD	0	
VSMDAREA	0	
VSMDBLK	0	
VSMDCNT	0	
VSMDFLGS	3	
VSMDFRMT	0	
VSMDID	2	
VSMDINV	3	2
VSMDKEY	3	
VSMDLEN	1	
VSMDOWN	3	8
VSMDSHR	3	4
VSMDSIZE	4	
VSMDSP	0	
VSMDTCB	0	
VSMDTCBP	4	

VTSP Information

VTSP Heading Information

Common Name: Subsystem Vector Table Service Parameter List
Macro ID: IEFVTSPL
DSECT Name: VTSP
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID: VTSP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: ANY
 Key: Caller's Key
Size: 52 bytes
Created by: Caller of IEFJSVEC
Pointed to by: Caller sets up register 1 pointing to a word which points to IEFVTSPL.
Serialization: None
Function: Maps the input to subsystem vector table service routine IEFJSVEC. IEFJSVEC has been superseded for external use by the IEFSSVT macro.

VTSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	VTSP	
0	(0)	CHARACTER	4	VTSID	IDENTIFIER 'VTSP'
4	(4)	SIGNED	2	VTSLLEN	LENGTH OF PARAMETER LIST
6	(6)	BITSTRING	1	VTsver	VERSION OF PARAMETER LIST
7	(7)	BITSTRING	1	VTSCONID	CONSOLE ID
8	(8)	BITSTRING	1	VTsFLGS	FLAGS
		1...		VTSGLOAD	"X'80" LOAD TO GLOBAL INDICATOR
9	(9)	BITSTRING	1	VTsREQ	REQUEST FLAGS
		1...		VTsCREAT	"X'80" CREATE NEW SSVT
		.1.		VTsFCDIS	"X'40" DISABLE SELECTED FUNCTION CODES OF EXISTING SSVT
		.1.		VTsFCEN	"X'20" ENABLE SELECTED FUNCTION CODES OF EXISTING SSVT
10	(A)	CHARACTER	2	VTsRSV1	RESERVED
12	(C)	CHARACTER	4	VTsNME	SUBSYSTEM NAME
16	(10)	SIGNED	4	VTsSVTD	ADDRESS OF SSVT TABLE DATA
20	(14)	SIGNED	4	VTsSVTAD	ADDRESS OF SSVT (RETURNED)
24	(18)	SIGNED	4	VTsSSCVT	ADDRESS OF SSCVT (RETURNED)
28	(1C)	CHARACTER	8	VTsFUNCT	FUNCTION ROUTINE NAME BEING PROCESSED WHEN AN ERROR OCCURRED
36	(24)	SIGNED	4	VTsCNSID	4 Byte Console ID
40	(28)	CHARACTER	8	VTsCART	Command And Response Token
48	(30)	CHARACTER	4	VTsRSV2	Reserved
48	(30)	X'34'	0	VTsSIZE	"X'34" LENGTH OF PARAMETER LIST
48	(30)	X'E3E2D7'	0	VTsCID	"C'VTSP" Identifier
48	(30)	X'2'	0	VTsCVER	"2" Current version number

VTSP Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VTsCART	28		VTsRSV2	30	
VTsCID	30	E3E2D7	VTsSIZE	30	34
VTsCNSID	24		VTsSSCVT	18	
VTsCONID	7		VTsSVTAD	14	
VTsCREAT	9	80	VTsSVTD	10	
VTsCVER	30	2	VTsver	6	
VTsFCDIS	9	40			
VTsFCEN	9	20			
VTsFLGS	8				
VTsFUNCT	1C				
VTsGLOAD	8	80			
VTSID	0				
VTsLEN	4				
VTsNME	C				
VTsPL	0				
VTsREQ	9				
VTsRSV1	A				

VUNT Information

VUNT Heading Information

Common Name: VOLUNIT Table Entry
Macro ID: IEFZB423
DSECT Name: VOLUNTAB
Owning Component: Allocation (SC1B4)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: Key 1
 Residency: Above
Size: 40 Bytes
Created by: IEFAB423
Pointed to by: DDWAVUAD (contained within IEFZDDWA)
Serialization: None
Function: Defines volume/unit requirements of requests for Common Allocation.

VUNT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	VOLUNTAB	FORMAT OF VOLUNIT ENTRY
0	(0)	CHARACTER	6	VOLID	VOLUME SERIAL NUMBER
6	(6)	CHARACTER	4	VOLSTAT	STATUS BYTES
6	(6)	BITSTRING	1	VOLSTATA	REQUEST INDICATORS
		1... ..		VOLPUB	REQUEST NEEDS PUBLIC VOLUME
		.1.		VOLPRV	REQUEST NEEDS PRIVATE VOLUME
		..1.		VOLSPEC	REQUEST IS FOR SPECIFIC VOL
		...1		VOLSTG	REQUEST NEEDS STORAGE VOLUME
		.... 1...		VOLNSHR	VOLUME MUST BE NON-SHAREABLE
		.... .1.		VOLRESVE	VOLUM RESERVE WORK BIT
		.... ..1.		VUDADSM	REQUIRES DADSM
		.... ...1		VOLDEFER	DEFER MOUNT REQUEST
7	(7)	BITSTRING	1	VOLSTATB	REQUEST STATUS
		1...		VOLALOC	ENTRY HAS BEEN ALLOCATED
		.1.		VOLMNTD	VOL MUST BE MOUNTED BY END OF ALLOCATION
		..1.		VDEVREQD	ETIOT DEVICE ENTRY REQUIRED
		...1		VUPROCED	WORK BIT-AFFINITY PROCESSED
		.... 1...		VUDNALOC	RECOVERY NECESSARY FOR THIS ENTRY
		.... .1.		VUDADSM	RECOVERABLE DADSM ERROR ERROR HAS OCCURRED
		.... ..1.		VUVINELG	VOLUME IS MOUNTED ON INELIGIBLE OR UNLOCKED UNIT
		.... ...1		VUAFFWRK	VOLUME AFFINITY WORK BIT
8	(8)	BITSTRING	1	VOLSTATC	DEVICE CLASS
		1...		VOLTAREQ	TAPE REQUEST
		.1.		VOLCOREQ	COMM. REQUEST
		..1.		VOLDAREQ	DIRECT ACCESS REQUEST
		...1		VOLGRREQ	GRAPHICS REQUEST
		.... 1...		VOLURREQ	UNIT RECORD REQUEST
		.... .1.		VURECVRY	RECOVERY ATTEMPTED
		.... ..1.		VUNOSPTP	CLEAR JFCBVOLS WHEN BACKING OUT ALLOC
		.... ...1		VUWTPBST	WAIT UNTIL PROCESSING PUBLIC TO STORAGE REQUESTS
9	(9)	BITSTRING	1	VOLSTATD	REQUEST STATUS
		1...		VUMUGDON	MULTI-UNIT/GEN WORK BIT
		.1.		VUREALOC	REARRANGE WORK BIT
		..1.		VUDMNDOF	Demand request device is offline or pending offline
		...1		VUDMNDAL	DEMAND REQ DEV IS ALLOC'D
		.... 1...		VUUNALSW	MUST BACKOUT ALLOCATION
		.... .1.		VUDMUNIQ	FIRST REQ FOR UNAVAILABLE DEMANDED UNIT
		.... ..1.		VUVLUNIQ	FIRST REQ WITH VALIDITY CHECK FOR THIS VOLUME
		.... ...1		VURCVYPR	RECOVERY PROCESSING DONE
10	(A)	SIGNED	2	VOLUNTID	UNIT IDENTIFIER
12	(C)	ADDRESS	4	VOLALGTP	ADDR OF ALGORITHM ENTRY
16	(10)	ADDRESS	4	VOLSIOTP	SIOT ADDRESS
20	(14)	ADDRESS	4	VUUCBP	PTR TO UCB OR PTR TO UCB POOL IF SU18 IN SYSTEM. Only valid for JES3 managed requests.
24	(18)	ADDRESS	4	VUGRID	PTR GROUP ID OR PTR TO THE GROUP ID LIST IF SU18 IS IN THE SYSTEM

VUNT Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
Comment					
Deleted VOLSMSMM, VOLIGNOR, VOLOGRPP and VOLOGRPC.					
End of Comment					
28	(1C)	ADDRESS	4	VUPEND	UCB address of a pending offline device. Prior to Recovery processing may contain the UCB address of a pending offline permres DASD or reserved volume required by a request. During and after Recovery, contains the UCB address of a pending offline device selected by the Installation Exit or operator for allocation.
32	(20)	BITSTRING	1	VOLSTATE	REQUEST STATUS
		1... ..		VUALCOFL	Needs Allocated/Offline Processor
		.1.		VUDEVSEL	Device contained in VUPEND was selected by the exit or operator
		..1.		VU1STCON	When ON, the volser specified in the VOLID field is in conflict and this is its first occurrence in the VU table
		...1		VUDUPCON	When ON, the volser specified in the VOLID field is in conflict and this is NOT its first occurrence in the VU table
		.... 1111		*	Reserved
33	(21)	CHARACTER	3	*	Reserved
36	(24)	ADDRESS	4	VUSSIDRA	Pointer to SSI DRA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	VUPOOL	UCB POOL
0	(0)	SIGNED	4	VUPOOL#	# OF UCB'S IN POOL
4	(4)	ADDRESS	4	VUCBS (*)	UCB'S IN POOL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	VUGRLST	GROUP ID LIST
0	(0)	CHARACTER	8	VUGRLST (*)	GROUP LIST ENTRIES
0	(0)	SIGNED	4	VUGRLIDS	GROUP IDS
4	(4)	SIGNED	4	*	RESERVED

VUNT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
VDEVREQD	7	20	VUDEVSEL	20	40
VOLALGTP	C		VUDMNDAL	9	10
VOLALOC	7	80	VUDMNDOF	9	20
VOLCOREQ	8	40	VUDMUNIQ	9	04
VOLDAREQ	8	20	VUDNALOC	7	08
VOLDEFER	6	01	VUDUPCON	20	10
VOLGRREQ	8	10	VUGRID	18	
VOLID	0		VUGRLST	0	
VOLMNTD	7	40	VUGRLIDS	0	
VOLNSHR	6	08	VUGRLST	0	
VOLPRV	6	40	VUMUGDON	9	80
VOLPUB	6	80	VUNOSPTP	8	02
VOLRESVE	6	04	VUPEND	1C	
VOLSIOTP	10		VUPOOL	0	
VOLSPEC	6	20	VUPOOL#	0	
VOLSTAT	6		VUPROCED	7	10
VOLSTATA	6		VURCVYPR	9	01
VOLSTATB	7		VUREALOC	9	40
VOLSTATC	8		VURECVRY	8	04
VOLSTATD	9		VUSSIDRA	24	
VOLSTATE	20		VUUCBP	14	
VOLSTG	6	10	VUUNALSW	9	08
VOLTAREQ	8	80	VUVINELG	7	02
VOLUNTAB	0		VUVLUNIQ	9	02
VOLUNTID	A		VUWTPBST	8	01
VOLURREQ	8	08	VU1STCON	20	20
VUAFFWRK	7	01			
VUALCOFL	20	80			
VUCBS	4				
VUDADSM	6	02			
VUDADSME	7	04			

WKAL Information

WKAL Programming Interface Information

Programming Interface Information

WKAL

End of Programming Interface Information

WKAL Heading Information • WKAL Cross Reference

WKAL Heading Information

Common Name: GTF Trace work area list
Macro ID: AHLWKAL
DSECT Name: WKAL, APARM
Owning Component: GTFTRACE subcommand of IPCS (SC118)
Eye-Catcher ID: None
Created by: AHLFINIT, GTFTRACE initialization
Pointed to by: GTFWALP field of GTFAPP
Function: Map the GTF TRACE work area list

WKAL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WKALHDR	, Work area list
0	(0)	BITSTRING	12	WKAL (0)	
0	(0)	ADDRESS	4	WKALARP	Work area pointer
4	(4)	SIGNED	4	WKALARL	Work area length
8	(8)	ADDRESS	4	WKALAPM	Appendage parameter pointer

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	APARM	, Appendage parameter
0	(0)	SIGNED	4	APARMP (0)	Parameter prefix
0	(0)	SIGNED	2	APARML	Length of text
2	(2)	SIGNED	2		Not used
4	(4)	CHARACTER	1	APARMT (0)	Text

WKAL Cross Reference

Name	Hex Offset	Hex Value
APARM	0	
APARML	0	
APARMP	0	
APARMT	4	
WKAL	0	
WKALAPM	8	
WKALARL	4	
WKALARP	0	
WKALHDR	0	

WMST Information

WMST Heading Information

Common Name: System Resource Manager Workload Manager Specification Table
Macro ID: IRAWMST
DSECT Name: WMST (unless DSECT=NO is coded)
Owning Component: System Resource Manager (SC1CX)
Eye-Catcher ID: WMST
 Offset: 0
 Length: CHAR(4)
Storage Attributes: Subpool: 245
 Key: 0
 Residency: Above 16M line
Size: 176 bytes
Created by: IEAVNP10, IEEMB812, IRAMSBLD, IRAMSCHG
Pointed to by: RMCTWMST field of the RMCT data area
Serialization: SRM lock
Function: Contains the information required by the various SRM routines which reference the current SRM performance controls (either IEAIPSxx or the active service policy)

WMST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	192	WMST	
0	(0)	CHARACTER	4	WMSTNAME	TABLE IDENTIFICATION - 'WMST'
4	(4)	CHARACTER	2	WMSTID	PERF SPECIFICATION ID
6	(6)	SIGNED	2	WMSTUPGN	NUMBER OF UNIQUE VALID PGNS
8	(8)	ADDRESS	4	WMSTPGVT	PERF GRP VECTOR TABLE ADDR Valid only in compat mode
12	(C)	SIGNED	4	WMSTPGVS	PERF GRP VECTOR TABLE SIZE
12	(C)	SIGNED	4	WMSTSPTS	SPTe length
16	(10)	ADDRESS	4	WMSTPGDT	1ST PERF GRP DESCRIPTOR ADDR Valid only in compat mode
20	(14)	SIGNED	4	WMSTPGDS	TOT PERF GRP DESCRIPTOR SIZE
20	(14)	SIGNED	4	WMSTSCTS	SCTE length
24	(18)	ADDRESS	4	WMSTDMDT	FIRST DMN DESC ADDR
28	(1C)	SIGNED	4	WMSTDMDS	TOT DOMAIN DESC SIZE
32	(20)	ADDRESS	4	WMSTDMVT	DMN VECTOR TABLE ADDR Valid only in compat mode
36	(24)	SIGNED	4	WMSTDMVS	DMN VECTOR TABLE SIZE
40	(28)	ADDRESS	4	WMSTTSPT	No longer used @ME22326C
44	(2C)	SIGNED	4	WMSTTSPS	No longer used @ME22326C
48	(30)	ADDRESS	4	WMSTTSGT	No longer used @ME22326C
52	(34)	SIGNED	4	WMSTTSGS	No longer used @ME22326C
56	(38)	ADDRESS	4	WMSTWMCT	WMCT address
60	(3C)	SIGNED	4	WMSTSIC1	Internal service classes
60	(3C)	UNSIGNED	2	WMSTDUMP	\$srmdump service class
62	(3E)	UNSIGNED	2	WMSTBEST	\$srmrbest service class
64	(40)	SIGNED	4	WMSTSIC2	Internal service classes
64	(40)	UNSIGNED	2	WMSTGOOD	\$srmgood service class
66	(42)	UNSIGNED	2	WMSTDISC	\$srmdisc service class
68	(44)	SIGNED	4	WMSTSIC3	Internal service classes
68	(44)	UNSIGNED	2	WMSTQSC	\$srmqsc service class
70	(46)	UNSIGNED	2	*	reserved
72	(48)	SIGNED	4	WMSTWLML	Length of contiguous structures. Valid for skeleton IPS and when in WLM mode.
76	(4C)	SIGNED	4	WMSTSIWL	WORK SET LOW LIMIT
80	(50)	SIGNED	4	WMSTSIWH	WORK SET HIGH LIMIT
84	(54)	CHARACTER	8	WMSTIPM	M50 SERVICE COEFFICIENT
92	(5C)	ADDRESS	4	WMSTDMDE	DMN TAB LAST NTRY ADR
96	(60)	SIGNED	2	WMSTWLHI	HIGHEST WORKLd LEV SP
96	(60)	SIGNED	2	WMSTSCLo	Lowest valid static external service class index
98	(62)	SIGNED	2	WMSTPGHI	HIGH PGN IN IPS & INSTALLATION CONTROL SPECIFICATION
98	(62)	SIGNED	2	WMSTSCHI	Highest valid static external service class index
100	(64)	SIGNED	2	WMSTPGPC	TOTAL PERIODS IN IPS & INSTALLATION CONTROL SPECIFICATION
102	(66)	SIGNED	2	WMSTDMNC	TOT DOMAIN COUNT
104	(68)	UNSIGNED	2	WMSTWLMG	WLM service class index for SYSSTC
106	(6A)	UNSIGNED	2	WMSTWLMB	WLM service class index for SYSTEM
108	(6C)	SIGNED	4	*	Reserved
112	(70)	BITSTRING	8	WMSTTOC	TIME OF NEWIPS SYSEVENT
112	(70)	SIGNED	2	*	RESERVED
114	(72)	SIGNED	2	*	RESERVED
116	(74)	SIGNED	2	WMSTSIPL	PAGE RATE LOW LIMIT
118	(76)	SIGNED	2	WMSTSIPL	PAGE RATE HIGH LIMIT

WMST Constants • WMST Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
120	(78)	SIGNED	4	WMSTCPU	CPU SERVICE COEFFICIENT
124	(7C)	SIGNED	4	WMSTIOC	IOC SERVICE COEFFICIENT
128	(80)	SIGNED	4	WMSTMISO	MISO SERVICE COEFFICIENT
132	(84)	SIGNED	4	WMSTSRB	SRB SERVICE COEF.
136	(88)	UNSIGNED	1	WMSTREAL	REAL TIME INDICATOR
137	(89)	UNSIGNED	1	WMSTFLAG	WMST CONTROL FLAGS
		1... ..		*	reserved
		.1.		WMSTMS6	MS6 has seen this Wmst
		..1.		WMSTIOQ	QUEUE I/O BY DPRTY
		...1		WMSTSICM	COMMON STRG ISOLATION ACTIVE
		.... 1...		WMSTSIPG	PRIVATE STRG ISOLATION ACTIVE
		.... .1..		WMSTSIWS	COMMON WORK SET SPEC
		.... ..1.		WMSTSIPI	COMMON PAGE RATE SPEC
		.... ...1		WMSTSIPS	INDICATES THAT A NEW WMST IS BEING BUILT BY IEEMB812 (SET IPS) PROCESSING AND THEREFORE THE NEWIPS SYSEVENT SHOULD CHECK TO INSURE THAT THE SYSTEM IS IN COMPATIBILITY MODE BEFORE ALLOWING THE NEWIPS TO BE PROCESSED
138	(8A)	SIGNED	2	WMSTNTU	NUMBER OF TUNITS/SEC
140	(8C)	ADDRESS	4	WMSTSET	SET PROCS ROUTINE ADDR
144	(90)	UNSIGNED	1	WMSTFLG2	FLAGS
		1... ..		WMSTDCTS	I/O SERVICE USES DEVICE CONNECT TIME RATHER THAN EXCP COUNTS
		.1.		WMST850E	IRA850E has been issued
		..1.		WMSTOVEL	Do not include I/O samples in velocity definition
		...1		WMSTREFR	Refresh the policy
		.... 1...		WMSTDAT	Dynamic alias tuning available on all systems
		.... .111		*	RESERVED
145	(91)	CHARACTER	3	WMSTRSV5	RESERVED
148	(94)	ADDRESS	4	WMSTNWST	SET PROCS NXT WMST ADR
152	(98)	SIGNED	2	WMSTMXPB	HIGHEST PGN IN IPS
154	(9A)	SIGNED	2	WMSTPERS	NUM OF PERIODS IN IPS
156	(9C)	CHARACTER	4	WMSTIPC	CPU SERVICE COEF.
160	(A0)	CHARACTER	4	WMSTIPI	I/O SERVICE COEF.
164	(A4)	CHARACTER	2	WMSTIPSS	Last valid IPS suffix used in compat mode or 00x
166	(A6)	CHARACTER	2	WMSTICSS	Last valid ICS suffix used in compat mode or 00x
168	(A8)	CHARACTER	4	WMSTIPB	SRB SERVICE COEF.
172	(AC)	ADDRESS	4	WMSTNPOL	Next Policy Address - Valid during policy instantiation only
176	(B0)	ADDRESS	4	WMSTCSTR	CSTR address (goal and compat)
180	(B4)	UNSIGNED	1	WMSTCSEQ	Classification sequence number (goal and compat)
181	(B5)	CHARACTER	1	*	Reserved
182	(B6)	UNSIGNED	2	WMSTUCPU	User specified CPU service coeff, scaled by 10
184	(B8)	UNSIGNED	2	WMSTUIOC	User specified IOC service coeff, scaled by 10
186	(BA)	UNSIGNED	2	WMSTUSRB	User specified SRB service coeff, scaled by 10
188	(BC)	UNSIGNED	4	WMSTUMSO	User specified MSO service coeff, scaled by 10000
192	(C0)	CHARACTER	0	WMSTEND	END OF WMST End of this block

WMST Constants

Len	Type	Value	Name	Description
4	DECIMAL	192	WMSTLEN	

WMST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WMST	0		WMSTGOOD	40	
WMSTBEST	3E		WMSTICSS	A6	
WMSTCPU	78		WMSTID	4	
WMSTCSEQ	B4		WMSTIOC	7C	
WMSTCSTR	B0		WMSTIOQ	89	20
WMSTDAT	90	08	WMSTIPB	A8	
WMSTDCTS	90	80	WMSTIPC	9C	
WMSTDISC	42		WMSTIPI	A0	
WMSTDMDE	5C		WMSTIPM	54	
WMSTDMDS	1C		WMSTIPSS	A4	
WMSTDMDT	18		WMSTMISO	80	
WMSTDMNC	66		WMSTMS6	89	40
WMSTDMVS	24		WMSTMXPB	98	
WMSTDMVT	20		WMSTNAME	0	
WMSTDUMP	3C		WMSTNPOL	AC	
WMSTEND	C0		WMSTNTU	8A	
WMSTFLAG	89		WMSTNWST	94	
WMSTFLG2	90		WMSTOVEL	90	20

Name	Hex Offset	Hex Value
WMSTPERS	9A	
WMSTPGDS	14	
WMSTPGDT	10	
WMSTPGHI	62	
WMSTPGPC	64	
WMSTPGVS	C	
WMSTPGVT	8	
WMSTQSC	44	
WMSTREAL	88	
WMSTREFR	90	10
WMSTRSV5	91	
WMSTSCHI	62	
WMSTSCLO	60	
WMSTSCTS	14	
WMSTSET	8C	
WMSTSICM	89	10
WMSTSIC1	3C	
WMSTSIC2	40	
WMSTSIC3	44	
WMSTSIPG	89	08
WMSTSIPH	76	
WMSTSIPI	89	02
WMSTSIPL	74	
WMSTSIPS	89	01
WMSTSIWH	50	
WMSTSIWL	4C	
WMSTSIWS	89	04
WMSTSPTS	C	
WMSTSRB	84	
WMSTTOC	70	
WMSTTSGS	34	
WMSTTSGT	30	
WMSTTSPS	2C	
WMSTTSPT	28	
WMSTUCPU	B6	
WMSTUIOC	B8	
WMSTUMSO	BC	
WMSTUPGN	6	
WMSTUSRB	BA	
WMSTWLHI	60	
WMSTWLMB	6A	
WMSTWLMG	68	
WMSTWLML	48	
WMSTWMCT	38	
WMST850E	90	40

WPL Information

WPL Programming Interface information

Programming Interface information

WPL

End of Programming Interface information

WPL Heading Information • WPL Map

WPL Heading Information

Common Name: WTO/WTOR/MLWTO/WTP PARAMETER LIST
Macro ID: IEZWPL
DSECT Name: WPLRF (DSECT CARD PRECEDES PREFIX). 'WPL' SHOULD BE THE LABEL FOR A USING STATEMENT FOR THE COMMON SECTION OF THE PARAMETER LIST.
 WPLFLGS. IF A WPX IS NOT USED, THIS AREA WILL FOLLOW THE MESSAGE TEXT.
Owning Component: Console (SC1CK)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: USER DEFINED SUBPOOL
 Key: USER KEY
 Residency: ABOVE OR BELOW THE 16M LINE
Size: VARIABLE
Created by: ISSUER OF WTO OR WTOR MACRO
Pointed to by: REGISTER 1, WHEN WTO OR WTOR IS ISSUED
Serialization: NONE
Function: PROVIDES A MAPPING OF THE WTO/R MACRO PARAMETER LIST.

WPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WPLRF	, START OF WTOR PREFIX (24-BIT PARM LIST)
0	(0)	ADDRESS	4	WPLRPTR (0)	POINTER TO REPLY BUFFER
0	(0)	SIGNED	1	WPLRLN	MAXIMUM LENGTH OF REPLY
1	(1)	ADDRESS	3	WPLRPTRA	ADDRESS OF REPLY BUFFER
4	(4)	ADDRESS	4	WPLRECB	ADDRESS OF REPLY ECB
Comment					
WTOR PREFIX (31-BIT PARAMETER LIST)					
End of Comment					
0	(0)	X'0'	0	WPL31RF	*** START OF WTOR PREFIX (31-BIT PARM LIST)
0	(0)	ADDRESS	4	WPL31RRP	ADDRESS OF REPLY BUFFER
		1... ..		WPL31RFG	"X'80" INDICATES A WTOR
4	(4)	ADDRESS	4	WPL31REP	ADDRESS OF REPLY ECB
Comment					
COMMON SECTION					
IF THE TEXT PARAMETER IS SPECIFIED INSTEAD OF INLINE MESSAGE TEXT, THE VALUE OF WPLLPTXT WILL ONLY REFLECT THE 4 BYTE LENGTH OF THE POINTER.					
End of Comment					
0	(0)	X'0'	0	WPL	*** START OF COMMON SECTION
0	(0)	SIGNED	2	WPLLGH (0)	FOR A 24-BIT WTOR PARMLIST, THIS IS THE MESSAGE LENGTH (COMBINED LENGTH OF MSG TEXT, MSG LENGTH FIELD AND MCS FLAGS FIELD)
0	(0)	SIGNED	1	WPL31RLN	IF WPL IS FOR A 31-BIT WTOR PARMLIST, THIS IS THE LENGTH OF THE REPLY BUFFER. OTHERWISE, THIS FIELD MUST BE ZERO
1	(1)	SIGNED	1	WPLLPTXT	MESSAGE LENGTH (COMBINED LENGTH OF MSG TEXT, MSG LENGTH FIELD AND MCS FLAGS FIELD)
Comment					
MCS FLAGS					
CHANGES TO THE MCS FLAGS WILL ALSO IMPACT THE MCS FLAGS IN IHAWQE AND IHACTM					
End of Comment					
2	(2)	BITSTRING	2	WPLMCSF (0)	MCS FLAGS
2	(2)	BITSTRING	1	WPLMCSF1	FIRST BYTE OF MCS FLAGS
		1... ..		WPLMCSFA	"BIT0" ROUTE/DESCRIPTOR CODE FIELDS PRESENT
		.1.		WPLMCSFB	"BIT1" Reserved (was queue to console). Use WPXCONS instead
		..1.		WPLMCSFC	"BIT2" COMMAND RESPONSE
		...1		WPLMCSFD	"BIT3" MESSAGE TYPE FIELD EXISTS
		.... 1...		WPLMCSFE	"BIT4" THIS WPL IS A REPLY TO A WTOR
		.... .1..		WPLMCSFF	"BIT5" BROADCAST THIS MSG TO ALL ACTIVE CONSOLES
		.... ..1.		WPLMCSFG	"BIT6" QUEUE TO HARD COPY ONLY
		.... ...1		WPLMCSFH	"BIT7" Reserved (was queue unconditionally to console). Use WPXCONS instead

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	BITSTRING	1	WPLMCSF2	SECOND BYTE OF MCS FLAGS
		1...		WPLMCSFI	"BIT0" DO NOT TIME STAMP THIS MESSAGE
		..1.		WPLMCSFJ	"BIT1" MLWTO INDICATOR
		..1.		WPLMCSFK	"BIT2" PRIMARY SUBSYSTEM USE ONLY JES3: DO NOT LOG MINOR
		...1		WPLMCSFL	WQE'S IF THE MAJOR IS NOT HARDCOPIED. JES2: NOT USED
		.... 1..		WPLMCSFM	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... ..1.		WPLMCSFN	"BIT4" THE MESSAGE IS AN OPERATOR COMMAND
		.... ..1.		WPLMCSFO	"BIT5" BYPASS QUEUING MESSAGE TO HARD COPY
		.... ...1		WPLRSV01	"BIT6" WQEBLK KEYWORD SPECIFIED
					"BIT7" RESERVED

Comment

MESSAGE TEXT

End of Comment

4	(4)	CHARACTER	126	WPLTXT (0)	MESSAGE TEXT (MAXIMUM 126 CHARACTERS)
4	(4)	CHARACTER	4	WPLADTXT (0)	MESSAGE TEXT ADDRESS (IF TEXT KEYWORD IS SPECIFIED, THIS FIELD WILL BE GENERATED, EVEN IF THE LINE TYPE IS '10'X)
4	(4)	CHARACTER	125		MESSAGE TEXT
129	(81)	CHARACTER	1	WPLTXTL	LAST BYTE OF MESSAGE TEXT

Comment

THE FOLLOWING FIELDS BEGIN IMMEDIATELY FOLLOWING THE LAST BYTE OF MESSAGE TEXT IF NO WPX WAS CREATED. IF A WPX WAS CREATED, WPLFLGS IS NOT USED.

End of Comment

0	(0)	X'0'	0	WPLFLGS	*** START OF WPL FLAGS FIELDS
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Comment

DESCRIPTOR CODES

End of Comment

0	(0)	BITSTRING	2	WPLDESC (0)	DESCRIPTOR CODES
0	(0)	BITSTRING	1	WPLDESC1	FIRST BYTE OF DESCRIPTOR CODES
		1...		WPLDESCA	"BIT0" SYSTEM FAILURE MESSAGE
		..1.		WPLDESCB	"BIT1" IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WPLDESCC	"BIT2" IMPORTANT INFORMATION MESSAGE
		...1		WPLDESCD	"BIT3" SYSTEM STATUS MESSAGE
		.... 1..		WPLDESCE	"BIT4" IMMEDIATE COMMAND RESPONSE MESSAGE
		.... ..1.		WPLDESCF	"BIT5" JOB STATUS MESSAGE
		.... ..1.		WPLDESCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE OR DELETE AT TASK TERMINATION
		.... ...1		WPLDESCH	"BIT7" OUT-OF-LINE MESSAGE
1	(1)	BITSTRING	1	WPLDESC2	SECOND BYTE OF DESCRIPTOR CODES
		1...		WPLDESCI	"BIT0" OPERATOR'S REQUEST
		..1.		WPLDESCJ	"BIT1" Reserved (was TRACK cmd response)
		..1.		WPLDESCK	"BIT2" CRITICAL EVENTUAL ACTION REQUIRED
		...1		WPLDESCL	"BIT3" IMPORTANT INFORMATION MESSAGE
		.... 1..		WPLDESCM	"BIT4" PREVIOUSLY AUTOMATED
		.... ..1.		WPLRSV10	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV11	"BIT6,,C'X'" RESERVED
		.... ...1		WPLRSV12	"BIT7,,C'X'" RESERVED

Comment

ROUTING CODES

End of Comment

2	(2)	BITSTRING	2	WPLROUT (0)	ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
2	(2)	BITSTRING	1	WPLROUT1	1ST BYTE OF ROUTING CODES
		1...		WPLROUTA	"BIT0" Primary Console Action
		..1.		WPLROUTB	"BIT1" Primary Console Information
		..1.		WPLROUTC	"BIT2" TAPE POOL
		...1		WPLROUTD	"BIT3" DIRECT ACCESS POOL
		.... 1..		WPLROUTE	"BIT4" TAPE LIBRARY
		.... ..1.		WPLROUTF	"BIT5" DISK LIBRARY
		.... ..1.		WPLROUTG	"BIT6" UNIT RECORD POOL
		.... ...1		WPLROUTH	"BIT7" TELEPROCESSING CONTROL

WPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
3	(3)	BITSTRING	1	WPLROUT2	2ND BYTE OF ROUTING CODES
		1...		WPLROUTI	"BIT0" SYSTEM SECURITY
		.1.		WPLROUTJ	"BIT1" SYSTEM/ERROR MAINTENANCE
		.1.		WPLROUTK	"BIT2" PROGRAMMER INFORMATION
		...1		WPLROUTL	"BIT3" EMULATOR INFORMATION
		.... 1..		WPLROUTM	"BIT4" USER ROUTING CODE
		.... .1..		WPLROUTN	"BIT5" USER ROUTING CODE
		.... ..1.		WPLROUTO	"BIT6" USER ROUTING CODE
		.... ...1		WPLROUTP	"BIT7" USER ROUTING CODE

Comment

MESSAGE TYPE FLAGS

End of Comment

4	(4)	BITSTRING	2	WPLMSGTY (0)	MESSAGE TYPE FLAGS
4	(4)	BITSTRING	1	WPLMSGT1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WPLMSGTA	"BIT0" MONITOR JOB NAMES
		.1.		WPLMSGTB	"BIT1" MONITOR STATUS
		.1.		WPLMSGTC	"BIT2" RESERVED
		...1		WPLRSV33	"BIT3" Reserved (Was WPLMSGTD for QID)
		.... 1..		WPLRSV14	"BIT4,,C'X'" RESERVED
		.... .1..		WPLMSGTF	"BIT5" MONITOR SESS
		.... ..1.		WPLRSV15	"BIT6,,C'X'" RESERVED
		.... ...1		WPLRSV16	"BIT7,,C'X'" RESERVED
5	(5)	BITSTRING	1	WPLMSGT2	SECOND BYTE OF MESSAGE TYPE FLAGS
		1...		WPLRSV25	"BIT0,,C'X'" RESERVED
		.1.		WPLRSV26	"BIT1,,C'X'" RESERVED
		.1.		WPLRSV27	"BIT2,,C'X'" RESERVED
		...1		WPLRSV28	"BIT3,,C'X'" RESERVED
		.... 1..		WPLRSV29	"BIT4,,C'X'" RESERVED
		.... .1..		WPLRSV30	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV31	"BIT6,,C'X'" RESERVED
		.... ...1		WPLRSV32	"BIT7,,C'X'" RESERVED
6	(6)	SIGNED	2	WPLRSV34	RESERVED (was WPLQID for QID)

Comment

MLWTO EXTENSION
 THE FOLLOWING FIELDS ARE ALWAYS PRESENT WHEN MLWTO
 IS SPECIFIED
 IF A WPX IS GENERATED, THESE FIELDS WILL FOLLOW THE WPX

End of Comment

Comment

LINE TYPE FLAGS

End of Comment

0	(0)	CHARACTER	4	WPLLS01 (0)	
0	(0)	BITSTRING	2	WPLLTF (0)	LINE TYPE FLAGS FOR WPLTXT
0	(0)	BITSTRING	1	WPLLTF1	1ST BYTE OF WPLTXT LINE TYPE FLAGS
		1...		WPLLTF1A	"BIT0" CONTROL LINE
		.1.		WPLLTF1B	"BIT1" LABEL LINE
		.1.		WPLLTF1C	"BIT2" DATA LINE
		...1		WPLLTF1D	"BIT3" END LINE
		.... 1..		WPLRSV17	"BIT4,,C'X'" RESERVED (bit used in MDB)
		.... .1..		WPLLTF1F	"BIT5" Reserved for IBM use.
		.... ..1.		WPLRSV19	"BIT6,,C'X'" RESERVED
		.... ...1		WPLRSV20	"BIT7,,C'X'" RESERVED
1	(1)	BITSTRING	1	WPLLTF2	2ND BYTE OF WPLTXT LINE TYPE FLAGS
2	(2)	CHARACTER	1	WPLAREA	AREA IDENTIFICATION
3	(3)	SIGNED	1	WPLLINES	NUMBER OF LINES (1 + NUMBER OF WPLMLTXT LINES)
3	(3)	X'4'	0	WPLMLEXL	"*-WPLLTF" LENGTH OF MLWTO EXTENTION

Comment

THE FOLLOWING FIELDS ARE OPTIONAL FOR MLWTO. THEY REPRESENT
 A MAPPING OF THE ENTRIES DESCRIBING MESSAGE TEXT LINES
 CREATED IN ADDITION TO THE WPLTXT MESSAGE TEXT LINE

End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	X'0'	0	WPLML	"" START OF ADDITIONAL MLWTO LINE ENTRY
0	(0)	SIGNED	1	WPLML0	ALWAYS ZERO
1	(1)	SIGNED	1	WPLMLLEN	MESSAGE LENGTH FOR THIS LINE (LENGTH OF MESSAGE TEXT + 4)

Comment

LINE TYPE FLAGS FOR WPLMLTXT

End of Comment

2	(2)	BITSTRING	2	WPLMLLTF (0)	TYPE FLAGS FOR THIS LINE (WPLMLTXT)
2	(2)	BITSTRING	1	WPLMLLT1	1ST BYTE OF LINE TYPE FLAGS FOR WPLMLTXT
		1... ..		WPLMLLTA	"BIT0" CONTROL LINE
		.1.		WPLMLLTB	"BIT1" LABEL LINE
		..1.		WPLMLLTC	"BIT2" DATA LINE
		...1		WPLMLLTD	"BIT3" END LINE
		.... 1...		WPLRSV21	"BIT4,,C'X'" RESERVED (bit used in MDB)
		.... .1..		WPLMLLTV	"BIT5" Reserved for IBM use.
		.... ..1.		WPLRSV23	"BIT6,,C'X'" RESERVED
		.... ...1		WPLRSV24	"BIT7,,C'X'" RESERVED
3	(3)	BITSTRING	1	WPLMLLT2	2ND BYTE OF LINE TYPE FLAGS FOR WPLMLTXT
4	(4)	CHARACTER	72	WPLMLTXX (0)	MESSAGE TEXT FOR THIS LINE (MAXIMUM 72 CHARACTERS)
4	(4)	CHARACTER	4	WPLMLADT (0)	MESSAGE TEXT ADDRESS (IF TEXT KEYWORD IS SPECIFIED, THIS FIELD WILL BE GENERATED, EVEN IF THE LINE TYPE IS '10'X)
4	(4)	CHARACTER	72		INLINE MESSAGE TEXT

Comment

THE FOLLOWING IS THE DECLARATION OF THE WPX WHICH IS BUILT FOLLOWING THE TEXT WHEN MCS FLAG WPLMCSFL IS ON.

End of Comment

0	(0)	X'0'	0	WPX	"" START OF WPL EXTENSION
0	(0)	ADDRESS	1	WPXVRSN	VERSION LEVEL
0	(0)	X'1'	0	WPXS220	"1" LEVEL OS/VS2 JBB2220
0	(0)	X'2'	0	WPXS410	"2" LEVEL HBB4410
0	(0)	X'3'	0	WPXS422	"3" LEVEL JBB4422
0	(0)	X'4'	0	WPXS603	"4" LEVEL HBB6603
0	(0)	X'4'	0	WPXVERN	"WPXS603" CURRENT VERSION LEVEL

Comment

Subsystem Flags

End of Comment

1	(1)	BITSTRING	1	WPXFLAGS	Subsystem Flags
		1... ..		WPXRSV69	"BIT0" Reserved (was WPXMPFSP for suppressed by MPF)
		.1.		WPXRSV70	"BIT1" Reserved (was WPXMPFPR for not be suppressed)
		..1.		WPXNMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
2	(2)	ADDRESS	1	WPXRPYLN	LENGTH OF REPLY BUFFER
3	(3)	ADDRESS	1	WPXLNGTH	LENGTH OF WPX

Comment

EXTENDED MCS FLAGS
CHANGES TO THE EXTENDED MCS FLAGS WILL ALSO IMPACT THE EXTENDED MCS FLAGS IN IHAWQE AND IHACTM

End of Comment

4	(4)	BITSTRING	2	WPXMCSF1 (0)	EXTENDED MCS FLAGS
4	(4)	BITSTRING	1	WPXMCS1	FIRST BYTE OF EXTENDED MCS FLAGS
		1... ..		WPXRSV68	"BIT0" Reserved (was WPXBUSY for BUSYEXIT)
		.1.		WPXCONS	"BIT1" FOUR BYTE CONSOLE ID WAS SPECIFIED
		..1.		WPXRSV71	"BIT2" Reserved - Was WPXDOMI
		...1		WPXCONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WPXWTOR	"BIT4" WTOR WITH EXTENDED PARM LIST
		.... .1..		WPXRSV72	"BIT5" Reserved - Was WPXPRIO
		.... ..1.		WPXCNM	"BIT6" CONSOLE NAME WAS SPECIFIED
5	(5)	BITSTRING	1	WPXMCS2	2ND BYTE OF EXTENDED MCS FLAGS
		1... ..		WPXTXTAD	"BIT0" TEXT ADDRESS WAS SPECIFIED
		.1.		WPXRSV1A	"BIT1" RESERVED
		..1.		WPXRSV48	"BIT2" RESERVED
		...1		WPXRSV49	"BIT3" RESERVED

WPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		WPXRSV50	"BIT4" RESERVED
		.... .1..		WPXSYNC	"BIT5" PROCESS SYNCHRONOUS WITH RESPECT TO THE CALLER
		.... .1..		WPXRSV51	"BIT6" RESERVED
		.... ...1		WPXRSV52	"BIT7" RESERVED
6	(6)	BITSTRING	2	WPXCPFLG (0)	FLAGS FOR CONTROL PROGRAM USE ONLY
6	(6)	BITSTRING	1	WPXCPFL1	FLAGS FOR CONTROL PROGRAM USE BYTE1
		1...		WPXRROK	"BIT0" RESTART RESOURCE IS NOT TO BE OBTAINED
		.1..		WPXNOHO	"BIT1" DON'T HOLD THE MESSAGE FOR TEN SECONDS
		..1.		WPXNLCK	"BIT2" DO NOT ATTEMPT TO OBTAIN ANY LOCKS
		...1		WPXACLW	"BIT3" USE ALTERNATE CPU LOADWAIT PATH
		.... 1...		WPXSPVD	"BIT4" SUPER PRIVILEGED
		.... .1..		WPXQONLY	"BIT5" MESSAGE GOES ONLY TO CONSOLE
		.... .1..		WPXRSV56	"BIT6" RESERVED
		.... ...1		WPXRSV57	"BIT7" RESERVED
7	(7)	BITSTRING	1	WPXCPFL2	FLAGS FOR CONTROL PROGRAM USE BYTE2
		1...		WPXRSV60	"BIT0" RESERVED
		.1..		WPXRSV61	"BIT1" RESERVED
		..1.		WPXRSV62	"BIT2" RESERVED
		...1		WPXRSV63	"BIT3" RESERVED
		.... 1...		WPXRSV64	"BIT4" RESERVED
		.... .1..		WPXRSV65	"BIT5" RESERVED
		.... .1..		WPXRSV66	"BIT6" RESERVED
		.... ...1		WPXRSV67	"BIT7" RESERVED
8	(8)	ADDRESS	4	WPXRPBUF	REPLY BUFFER ADDRESS
12	(C)	ADDRESS	4	WPXECBP	REPLY ECB ADDRESS
16	(10)	SIGNED	4	WPXSEQN (0)	DOM/CONNECT ID
16	(10)	ADDRESS	1	WPXSYSID	SYSTEM ID
17	(11)	ADDRESS	3	WPXSQID	DOM SEQUENCE NUMBER

Comment

DESCRIPTOR CODES

End of Comment

20	(14)	BITSTRING	4	WPXDESC (0)	DESCRIPTOR CODES
20	(14)	BITSTRING	1	WPXDESC1	FIRST BYTE OF DESCRIPTOR CODES
		1...		WPXDESCA	"BIT0" SYSTEM FAILURE MESSAGE
		.1..		WPXDESCB	"BIT1" IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WPXDESCC	"BIT2" EVENTUAL ACTION REQUIRED MESSAGE
		...1		WPXDESCD	"BIT3" SYSTEM STATUS MESSAGE
		.... 1...		WPXDESCE	"BIT4" IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WPXDESCF	"BIT5" JOB STATUS MESSAGE
		.... .1..		WPXDESCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE OR DELETE AT TASK TERMINATION
		.... ...1		WPXDESCH	"BIT7" OUT-OF-LINE MESSAGE
21	(15)	BITSTRING	1	WPXDESC2	SECOND BYTE OF DESCRIPTOR CODES
		1...		WPXDESCI	"BIT0" OPERATOR'S REQUEST
		.1..		WPXDESCJ	"BIT1" Reserved (was TRACK cmd response)
		..1.		WPXDESCK	"BIT2" CRITICAL EVENTUAL ACTION REQUIRED
		...1		WPXDESCL	"BIT3" DELIVERED BUT NOT HELD
		.... 1...		WPXRSV4	"BIT4,,C'X'" RESERVED
		.... .1..		WPXRSV5	"BIT5,,C'X'" RESERVED
		.... .1..		WPXRSV6	"BIT6,,C'X'" RESERVED
		.... ...1		WPXRSV7	"BIT7,,C'X'" RESERVED
22	(16)	BITSTRING	1	WPXDESC3	RESERVED
23	(17)	BITSTRING	1	WPXDESC4	RESERVED

Comment

128 ROUTING CODES

End of Comment

24	(18)	BITSTRING	16	WPXROUT (0)	ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
24	(18)	BITSTRING	1	WPXR001	1ST BYTE OF ROUTING CODES
		1...		WPXR01	"BIT0" Primary Console Action
		.1..		WPXR02	"BIT1" Primary Console Information
		..1.		WPXR03	"BIT2" TAPE POOL
		...1		WPXR04	"BIT3" DIRECT ACCESS POOL
		.... 1...		WPXR05	"BIT4" TAPE LIBRARY
		.... .1..		WPXR06	"BIT5" DISK LIBRARY
		.... .1..		WPXR07	"BIT6" UNIT RECORD POOL
		.... ...1		WPXR08	"BIT7" TELEPROCESSING CONTROL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
25	(19)	BITSTRING	1	WPXR002	2ND BYTE OF ROUTING CODES
		1.. ..		WPXR009	"BIT0" SYSTEM SECURITY
		.1.. ..		WPXR10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WPXR11	"BIT2" PROGRAMMER INFORMATION
		...1		WPXR12	"BIT3" EMULATOR INFORMATION
		.... 1..		WPXR13	"BIT4" USER ROUTING CODE
		.... .1..		WPXR14	"BIT5" USER ROUTING CODE
		.... ..1.		WPXR15	"BIT6" USER ROUTING CODE
		.... ...1		WPXR16	"BIT7" USER ROUTING CODE
26	(1A)	BITSTRING	1	WPXR003	3RD BYTE OF ROUTING CODES
27	(1B)	BITSTRING	1	WPXR004	4TH BYTE OF ROUTING CODES
28	(1C)	BITSTRING	1	WPXR005	5TH BYTE OF ROUTING CODES
29	(1D)	BITSTRING	1	WPXR006	6TH BYTE OF ROUTING CODES
30	(1E)	BITSTRING	1	WPXR007	7TH BYTE OF ROUTING CODES
31	(1F)	BITSTRING	1	WPXR008	8TH BYTE OF ROUTING CODES
32	(20)	BITSTRING	1	WPXR009	9TH BYTE OF ROUTING CODES
33	(21)	BITSTRING	1	WPXR010	10TH BYTE OF ROUTING CODES
34	(22)	BITSTRING	1	WPXR011	11TH BYTE OF ROUTING CODES
35	(23)	BITSTRING	1	WPXR012	12TH BYTE OF ROUTING CODES
36	(24)	BITSTRING	1	WPXR013	13TH BYTE OF ROUTING CODES
37	(25)	BITSTRING	1	WPXR014	14TH BYTE OF ROUTING CODES
38	(26)	BITSTRING	1	WPXR015	15TH BYTE OF ROUTING CODES
39	(27)	BITSTRING	1	WPXR016	16TH BYTE OF ROUTING CODES

Comment

MESSAGE TYPE FLAGS

End of Comment

40	(28)	BITSTRING	2	WPXMSGTY (0)	MESSAGE TYPE FLAGS
40	(28)	BITSTRING	1	WPXMSGT1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1.. ..		WPXMSGTA	"BIT0" MONITOR JOBNAMES
		.1.. ..		WPXMSGTB	"BIT1" MONITOR STATUS
		..1.		WPXRSV9	"BIT2,,C'X'" RESERVED
		...1		WPXRSV10	"BIT3,,C'X'" RESERVED
		.... 1..		WPXRSV11	"BIT4,,C'X'" RESERVED
		.... .1..		WPXMSGTF	"BIT5" MONITOR SESS
		.... ..1.		WPXRSV12	"BIT6,,C'X'" RESERVED
		.... ...1		WPXRSV13	"BIT7,,C'X'" RESERVED
41	(29)	BITSTRING	1	WPXMSGT2	SECOND BYTE OF MESSAGE TYPE FLAGS
		1.. ..		WPXRSV14	"BIT0,,C'X'" RESERVED
		.1.. ..		WPXRSV15	"BIT1,,C'X'" RESERVED
		..1.		WPXRSV16	"BIT2,,C'X'" RESERVED
		...1		WPXRSV17	"BIT3,,C'X'" RESERVED
		.... 1..		WPXRSV18	"BIT4,,C'X'" RESERVED
		.... .1..		WPXRSV19	"BIT5,,C'X'" RESERVED
		.... ..1.		WPXRSV20	"BIT6,,C'X'" RESERVED
		.... ...1		WPXRSV21	"BIT7,,C'X'" RESERVED
42	(2A)	ADDRESS	2	WPXRSV73	Reserved - Was WPXPRTY
44	(2C)	CHARACTER	8	WPXJOBID	JOB ID
52	(34)	CHARACTER	8	WPXJOBNM	JOBNAME
60	(3C)	CHARACTER	8	WPXKEY	RETRIEVAL KEY
68	(44)	ADDRESS	4	WPXTOKN	TOKEN FOR DOM
72	(48)	ADDRESS	4	WPXCNID	CONSOLE ID
76	(4C)	CHARACTER	8	WPXSYSNA	SYSTEM NAME
84	(54)	CHARACTER	8	WPXCNNME	CONSOLE NAME
92	(5C)	ADDRESS	4	WPXRCNA	ADDRESS OF 12 BYTE FIELD FOR REPLYING CONSOLE NAME/ID
96	(60)	ADDRESS	4	WPXCART	ADDRESS OF CART
100	(64)	ADDRESS	4	WPXWSPRM	ADDRESS OF WAIT STATE PARM LIST
104	(68)	ADDRESS	4	WPXASCB	ASCB ADDRESS
108	(6C)	CHARACTER	16	WPXRSV30	RESERVED
108	(6C)	X'7C'	0	WPXLEN	"-WPX" LENGTH OF THE WPX
108	(6C)	X'68'	0	WPX2LEN	"104" LENGTH OF VERSION 2 WPX
108	(6C)	X'7C'	0	WPX4LEN	"124" LENGTH OF VERSION 4 WPX

WPL Cross Reference

WPL Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WPL	0	0	WPLRF	0	
WPLADTXT	4		WPLRLN	0	
WPLAREA	2		WPLROUT	2	
WPLDESC	0		WPLROUTA	2	80
WPLDESCA	0	80	WPLROUTB	2	40
WPLDESCB	0	40	WPLROUTC	2	20
WPLDESCC	0	20	WPLROUTD	2	10
WPLDESCD	0	10	WPLROUTE	2	8
WPLDESCE	0	8	WPLROUTF	2	4
WPLDESCF	0	4	WPLROUTG	2	2
WPLDESCG	0	2	WPLROUTH	2	1
WPLDESCH	0	1	WPLROUTI	3	80
WPLDESCI	1	80	WPLROUTJ	3	40
WPLDESCJ	1	40	WPLROUTK	3	20
WPLDESCK	1	20	WPLROUTL	3	10
WPLDESCL	1	10	WPLROUTM	3	8
WPLDESCM	1	8	WPLROUTN	3	4
WPLDESC1	0		WPLROUTO	3	2
WPLDESC2	1		WPLROUTP	3	1
WPLFLGS	0	0	WPLROUT1	2	
WPLLGH	0		WPLROUT2	3	
WPLLINES	3		WPLRPTR	0	
WPLLPTXT	1		WPLRPTRA	1	
WPLLS01	0		WPLRSV01	3	1
WPLLTF	0		WPLRSV10	1	4
WPLLTFA	0	80	WPLRSV11	1	2
WPLLTFB	0	40	WPLRSV12	1	1
WPLLTFC	0	20	WPLRSV14	4	8
WPLLTFD	0	10	WPLRSV15	4	2
WPLLTFE	0	4	WPLRSV16	4	1
WPLLTF1	0		WPLRSV17	0	8
WPLLTF2	1		WPLRSV19	0	2
WPLMCSF	2		WPLRSV20	0	1
WPLMCSFA	2	80	WPLRSV21	2	8
WPLMCSFB	2	40	WPLRSV23	2	2
WPLMCSFC	2	20	WPLRSV24	2	1
WPLMCSFD	2	10	WPLRSV25	5	80
WPLMCSFE	2	8	WPLRSV26	5	40
WPLMCSFF	2	4	WPLRSV27	5	20
WPLMCSFG	2	2	WPLRSV28	5	10
WPLMCSFH	2	1	WPLRSV29	5	8
WPLMCSFI	3	80	WPLRSV30	5	4
WPLMCSFJ	3	40	WPLRSV31	5	2
WPLMCSFK	3	20	WPLRSV32	5	1
WPLMCSFL	3	10	WPLRSV33	4	10
WPLMCSFM	3	8	WPLRSV34	6	
WPLMCSFN	3	4	WPLTXT	4	
WPLMCSFO	3	2	WPLTXTL	81	
WPLMCSF1	2		WPL31REP	4	
WPLMCSF2	3		WPL31RF	0	0
WPLML	0	0	WPL31RFG	0	80
WPLMLADT	4		WPL31RLN	0	
WPLMLEXL	3	4	WPL31RRP	0	
WPLMLLEN	1		WPX	0	0
WPLMLLTA	2	80	WPXACLW	6	10
WPLMLLTB	2	40	WPXASCB	68	
WPLMLLTC	2	20	WPXCART	60	
WPLMLLTD	2	10	WPXCNIID	48	
WPLMLLTF	2		WPXCNM	4	2
WPLMLLTV	2	4	WPXCNNME	54	
WPLMLLT1	2		WPXCONN	4	10
WPLMLLT2	3		WPXCONS	4	40
WPLMLTXT	4		WPXCPFLG	6	
WPLML0	0		WPXCPFL1	6	
WPLMSGTA	4	80	WPXCPFL2	7	
WPLMSGTB	4	40	WPXDESC	14	
WPLMSGTC	4	20	WPXDESCA	14	80
WPLMSGTF	4	4	WPXDESCB	14	40
WPLMSGTY	4		WPXDESCC	14	20
WPLMSGT1	4		WPXDESCD	14	10
WPLMSGT2	5		WPXDESCE	14	8
WPLRECB	4		WPXDESCF	14	4

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WPXDESCG	14	2	WPXR001	18	20
WPXDESCH	14	1	WPXR002	19	
WPXDESCI	15	80	WPXR003	1A	
WPXDESCJ	15	40	WPXR004	1B	
WPXDESCK	15	20	WPXR005	1C	
WPXDESCL	15	10	WPXR006	1D	
WPXDESC1	14		WPXR007	1E	
WPXDESC2	15		WPXR008	1F	
WPXDESC3	16		WPXR009	20	
WPXDESC4	17		WPXR01	18	80
WPXECBP	C		WPXR010	21	
WPXFLAGS	1		WPXR011	22	
WPXJOBID	2C		WPXR012	23	
WPXJOBNM	34		WPXR013	24	
WPXKEY	3C		WPXR014	25	
WPXLEN	6C	7C	WPXR015	26	
WPXLNGTH	3		WPXR016	27	
WPXMCSF1	4		WPXR02	18	40
WPXMCS1	4		WPXR03	18	20
WPXMCS2	5		WPXR04	18	10
WPXMSGTA	28	80	WPXR05	18	8
WPXMSGTB	28	40	WPXR06	18	4
WPXMSGTF	28	4	WPXR07	18	2
WPXMSGTY	28		WPXR08	18	1
WPXMSGT1	28		WPXR09	19	80
WPXMSGT2	29		WPXR10	19	40
WPXNLCK	6	20	WPXR11	19	20
WPXNMOD	1	20	WPXR12	19	10
WPXNOHO	6	40	WPXR13	19	8
WPXONLY	6	4	WPXR14	19	4
WPXRCNA	5C		WPXR15	19	2
WPXROUT	18		WPXR16	19	1
WPXRPBUF	8		WPXSEQN	10	
WPXRPYLN	2		WPXSPVD	6	8
WPXRRROK	6	80	WPXSQID	11	
WPXR001A	5	40	WPXSYNC	5	4
WPXR0010	28	10	WPXSYSID	10	
WPXR0011	28	8	WPXSYSNA	4C	
WPXR0012	28	2	WPXS220	0	1
WPXR0013	28	1	WPXS410	0	2
WPXR0014	29	80	WPXS422	0	3
WPXR0015	29	40	WPXS603	0	4
WPXR0016	29	20	WPXTOKN	44	
WPXR0017	29	10	WPXTXTAD	5	80
WPXR0018	29	8	WPXVERN	0	4
WPXR0019	29	4	WPXVRSN	0	
WPXR0020	29	2	WPXWSPRM	64	
WPXR0021	29	1	WPXWTOR	4	8
WPXR0030	6C		WPX2LEN	6C	68
WPXR004	15	8	WPX4LEN	6C	7C
WPXR0048	5	20			
WPXR0049	5	10			
WPXR005	15	4			
WPXR0050	5	8			
WPXR0051	5	2			
WPXR0052	5	1			
WPXR0056	6	2			
WPXR0057	6	1			
WPXR006	15	2			
WPXR0060	7	80			
WPXR0061	7	40			
WPXR0062	7	20			
WPXR0063	7	10			
WPXR0064	7	8			
WPXR0065	7	4			
WPXR0066	7	2			
WPXR0067	7	1			
WPXR0068	4	80			
WPXR0069	1	80			
WPXR007	15	1			
WPXR0070	1	40			
WPXR0071	4	20			
WPXR0072	4	4			
WPXR0073	2A				

WQE Information

WQE Programming Interface information

Programming Interface information

WQE

End of Programming Interface information

WQE Heading Information • WQE Map

WQE Heading Information

Common Name: WRITE-TO-OPERATOR QUEUE ELEMENT (WQE) DEFINITIONS
Macro ID: IHAWQE
DSECT Name: WQE, WQEMAJ, WQEMIN
Owning Component: CONSOLE (SC1CK)
Eye-Catcher ID: WQE
 Offset: +160x
 Length: 4
Storage Attributes: Subpool: 229(CONSOLE PRIVATE AFTER SVC 35 PROCESSING), 239(WTO BRANCH ENTRY), 0(WTO/R ISSUERS SPACE)
 DURING SVC 35 PROCESSING)
 Key: 0
 Residency: 31-bit storage
Size: 464 BYTES
Created by: CNZS1WTO, CNZQ1SLG, CNZQ1DCQ, IEAVBWTO, IEAVBNLK
 NOTE: JES3 DEPENDS ON THE LENGTHS OF THE MAJOR AND MINOR WQES BEING EQUAL.
Pointed to by: ORERWQE - ORE DATA AREA
 SSWTWQE - SSOB DATA AREA (MAJOR WQE)
 SSWTMIN - SSOB DATA AREA (MINOR WQE)
 UCMWTOQ - UCM DATA AREA (FIRST WQE)
 UCMWQEND - UCM DATA AREA (LAST WQE)
 CQEWQEA - CQE DATA AREA
 WQELKP - WQE DATA AREA (NEXT WQE)
 WMNMN2 - MINOR WQE DATA AREA (NEXT MINOR WQE)
 WMJMMIN - MAJOR WQE DATA AREA (FIRST MINOR WQE)
Serialization: LOCAL AND CMS LOCKS
Function: A WQE IS CREATED FOR EVERY WTO/WTOR REQUEST.
 IT CONTAINS INFORMATION ABOUT THE WTO/WTOR ISSUER, ROUTING INSTRUCTIONS AND MESSAGE TEXT.

WQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WQE	
0	(0)	ADDRESS	4	WQELKP	LINKAGE POINTER
4	(4)	SIGNED	4	WQENBR (0)	MESSAGE LENGTH (CCW COUNT FIELD)
4	(4)	SIGNED	2		NOT TO BE USED
6	(6)	SIGNED	2	WQETXTLN	ACTUAL TEXT LENGTH
8	(8)	SIGNED	2	WQERTCT	ROUTED WQE COUNT
10	(A)	SIGNED	2	WQEUSE	WQE USE COUNT
12	(C)	CHARACTER	1	WQEPAD	- BLANK
13	(D)	CHARACTER	8	WQETS	- TIME STAMP
21	(15)	CHARACTER	1	WQEPAD1	- BLANK
22	(16)	CHARACTER	8	WQEJOBNM	JOBNAME INSERTED BY SUBSYSTEM
30	(1E)	CHARACTER	1	WQEPAD2	BLANK
31	(1F)	CHARACTER	128	WQETXT (0)	- MESSAGE TEXT (MAX 128 BYTES)
31	(1F)	CHARACTER	127		
158	(9E)	CHARACTER	1	WQETXTL	- LAST BYTE OF MESSAGE TEXT
159	(9F)	CHARACTER	1	WQEPAD3	- EXTRA BYTE SO REMAINING FIELDS ARE ON A WORD BOUNDARY - note, this field was used in OW26748, do not reuse
160	(A0)	BITSTRING	1	WQEXA	- DISPOSITION FLAGS
		1...		WQEPURGE	"BIT0" - PURGE THIS WQE
		.1..		WQEQFHC	"BIT1" - QUEUE FOR HARD COPY
		..1.		WQEORE	"BIT2" - ORE EXISTS FOR THIS WQE
		...1		WQEQDFHC	"BIT3" - QUEUED FOR HARD COPY
		.... 1...		WQEWTOR	"BIT4" - WQE CREATED FOR WTOR
		.... .1..		WQEDOM	"BIT5" - MESSAGE TO BE DOM'ED
		.... ..1.		WQESUSP	"BIT6" - Reserved and can not be reused.
		.... ...1		WQEAUTH	"BIT7" - MESSAGE ISSUED BY AUTHORIZED USER
161	(A1)	CHARACTER	2	WQEASID	- ASID OF USER
163	(A3)	BITSTRING	1	WQEAVAIL	- BUFFER STATUS FLAGS
		1...		WQEBUFA	"BIT0" - BUFFER IS FREE
		.1..		WQEBUFB	"BIT1" - BUFFER IS IN USE
		..1.		WQEBUFC	"BIT2" - READY FOR HARDCOPY
		...1		WQERSV46	"BIT3" - Reserved - Was WQEBUFD
		.... 1...		WQEBUFE	"BIT4" - BUFFER HAS BEEN SERVICED
		.... .1..		WQEBUFF	"BIT5" - TPUT - TO DO
		.... ..1.		WQEBUFG	"BIT6" - WQE SUPPRESSED
		.... ...1		WQEMTRCD	"BIT7" - BUFFER HAS BEEN MASTER TRACED
164	(A4)	SIGNED	4	WQETCB	- POINTER TO USER'S TCB
168	(A8)	SIGNED	4	WQESEQ# (0)	WTO SEQUENCE NUMBER (DOM/CONNECT ID)
168	(A8)	SIGNED	1	WQESYSID	SYSTEM ID
169	(A9)	SIGNED	3	WQESEQN	24-BIT SEQUENCE NUMBER

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
172	(AC)	BITSTRING	2	WQEMCSF (0)	- MCS FLAGS
172	(AC)	BITSTRING	1	WQEMCSF1	- FIRST BYTE OF MCS FLAGS
		1... ..		WQEMCSA	"BIT0" - ROUTING AND DESCRIPTOR CODE FIELDS EXIST
		.1.		WQEMCSB	"BIT1" - QUEUE TO CONSOLE WHOSE ID IS IN WQECNID (IF THE CONSOLE IS ACTIVE)
		..1.		WQEMCSC	"BIT2" - COMMAND RESPONSE (INCLUDES HARD COPY)
		...1		WQEMCSD	"BIT3" - MESSAGE TYPE FLAGS FIELD EXISTS
		.... 1...		WQEMCSE	"BIT4" - THIS WTO IS A REPLY TO A WTO
		.... .1..		WQEMCSFF	"BIT5" - BROADCAST TO ACTIVE CONSOLES
		.... ..1.		WQEMCSG	"BIT6" - QUEUE FOR HARD COPY ONLY
		.... ...1		WQERSV77	"BIT7" - RESERVED (WAS QUEUE UNCONDITIONALLY TO UCM ENTRY PASSED IN REG 0)
173	(AD)	BITSTRING	1	WQEMCSF2	- SECOND BYTE OF MCS FLAGS
		1... ..		WQEMCSI	"BIT0" - NO TIME STAMP
		.1.		WQEMCSJ	"BIT1" - Must be zero in Normal WQE
		.1.		WQEMCS2B	"BIT1" - MLWTO 0=Normal WQE, 1= Major WQE
		..1.		WQEMCSK	"BIT2" PRIMARY SUBSYSTEM USE ONLY: JES3: DO NOT LOG MINOR WQES IF THE MAJOR IS NOT HARDCOPIED JES2: NOT USED
		...1		WQEMCSL	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... 1...		WQEMCSM	"BIT4" - THE MESSAGE IS AN OPERATOR COMMAND
		.... .1..		WQEMCSN	"BIT5" - BYPASS QUEUING TO HARD COPY (FOR USERS OPERATING IN PROTECT KEY 0 ONLY)
		.... ..1.		WQEMCSO	"BIT6" WQEBLK KEYWORD SPECIFIED
		.... ...1		WQEMCSP	"BIT7" RESERVED
174	(AE)	BITSTRING	2	WQEMSGTP (0)	- MESSAGE TYPE FLAGS
174	(AE)	BITSTRING	1	WQEMSGT1	- FIRST BYTE OF MESSAGE TYPE FLAGS
		1... ..		WQEMSGTA	"BIT0" - DISPLAY JOB NAMES
		.1.		WQEMSGTB	"BIT1" - DISPLAY STATUS
		..1.		WQEMSGTC	"BIT2" - MONITOR ACTIVE
		...1		WQERSV39	"BIT3" - Reserved (was WQEMSGTD for QID)
		.... 1...		WQERSV13	"BIT4,,C'X'" - RESERVED
		.... .1..		WQEMSGTF	"BIT5" - MONITOR SESS
		.... ..1.		WQERSV14	"BIT6,,C'X'" - RESERVED
		.... ...1		WQERSV15	"BIT7,,C'X'" - RESERVED
175	(AF)	BITSTRING	1	WQEMSGT2	- SECOND BYTE OF MESSAGE TYPE FLAGS
176	(B0)	BITSTRING	2	WQEROUT (0)	- ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
176	(B0)	BITSTRING	1	WQEROUT1	- 1ST BYTE OF ROUTING CODES
		1... ..		WQEROUTA	"BIT0" - PRIMARY CONSOLE ACTION
		.1.		WQEROUTB	"BIT1" - PRIMARY CONSOLE INFORMATION
		..1.		WQEROUTC	"BIT2" - TAPE POOL
		...1		WQEROUTD	"BIT3" - DIRECT ACCESS POOL
		.... 1...		WQEROUTE	"BIT4" - TAPE LIBRARY
		.... .1..		WQEROUTF	"BIT5" - DISK LIBRARY
		.... ..1.		WQEROUTG	"BIT6" - UNIT RECORD POOL
		.... ...1		WQEROUTH	"BIT7" - TELEPROCESSING CONTROL
177	(B1)	BITSTRING	1	WQEROUT2	- 2ND BYTE OF ROUTING CODES
		1... ..		WQEROUTI	"BIT0" - SYSTEM SECURITY
		.1.		WQEROUTJ	"BIT1" - SYSTEM/ERROR MAINTENANCE
		..1.		WQEROUTK	"BIT2" - PROGRAMMER INFORMATION
		...1		WQEROUTL	"BIT3" - EMULATOR INFORMATION
		.... 1...		WQEROUTM	"BIT4" - USER ROUTING CODE
		.... .1..		WQEROUTN	"BIT5" - USER ROUTING CODE
		.... ..1.		WQEROUTO	"BIT6" - USER ROUTING CODE
		.... ...1		WQEROUTP	"BIT7" USER ROUTING CODE
178	(B2)	CHARACTER	1	WQECHAR1	1ST CHARACTER OF TEXT
179	(B3)	BITSTRING	1	WQEFLG3	- MISCELLANEOUS FLAGS
		1... ..		WQEDLVRD	"BIT0" - WQE HAS BEEN DELIVERED TO A CONSOLE ON THIS SYSTEM
		.1.		WQEDNDWQ	"BIT1" - DO NOT DELETE WTO UNTIL THIS BIT IS OFF
		..1.		WQENSYL	"BIT2" - DO NOT SEND THIS MESSAGE TO SYSLOG
		...1		WQEJ3B1	"BIT3" - BIT FOR USE BY JES3 ONLY
		.... 1...		WQEJ3B2	"BIT4" - BIT FOR USE BY JES3 ONLY
180	(B4)	SIGNED	1	WQE1BID	- RESERVED (WAS WQEUCMID)
181	(B5)	BITSTRING	1	WQEFLG1	- MISCELLANEOUS FLAGS
		1... ..		WQERSV41	"BIT0" - Reserved (was WQEFLG11 for MPF & HC)
		.1.		WQERETAN	"BIT1" - MSG IS TO BE RETAINED BY AMRF
		..1.		WQENMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		...1		WQERSV79	"BIT3" RESERVED (WAS WQESQMC)
		.... 1...		WQENOJLG	"BIT4" SUPPRESS FROM JOB LOG
		.... .1..		WQEAUTOV	"BIT5" INDICATES MPF AUTO SUPPORTED
		.... ..1.		WQEPPNA	"BIT6" - PROBLEM PROGRAM NONACTION MSG
		.... ...1		WQERISS	"BIT7" - REISSUED MESSAGE
182	(B6)	CHARACTER	2	WQERPYID	- REPLY ID

WQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
184	(B8)	BITSTRING	4	WQEDESCD (0)	- DESCRIPTOR CODES
184	(B8)	BITSTRING	1	WQEDC1	- FIRST BYTE OF DESCRIPTOR CODES
		1... ..		WQEDCA	"BIT0" - SYSTEM FAILURE MESSAGE
		.1.		WQEDCB	"BIT1" - IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WQEDCC	"BIT2" - EVENTUAL ACTION REQUIRED MESSAGE
		...1		WQEDCD	"BIT3" - SYSTEM STATUS MESSAGE
		.... 1...		WQEDCE	"BIT4" - IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WQEDCF	"BIT5" - JOB STATUS MESSAGE
		.... ..1.		WQEDCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE, OR DELETE AT TASK TERMINATION
		.... ..1		WQEDCH	"BIT7" - OUT-OF-LINE MESSAGE
185	(B9)	BITSTRING	1	WQEDC2	- SECOND BYTE OF DESCRIPTOR CODES
		1... ..		WQEDCI	"BIT0" OPERATOR REQUEST
		.1.		WQEDCJ	"BIT1" RESERVED
		..1.		WQEDCK	"BIT2" - CRITICAL EVENTUAL ACTION MSG - DESCRIPTOR CODE 11
		...1		WQEDCL	"BIT3" - IMPORTANT INFORMATION MESSAGE
		.... 1...		WQEDCM	"BIT4" - PREVIOUSLY AUTOMATED
		.... .1..		WQERSV23	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV24	"BIT6,,C'X'" - RESERVED
		.... ..1		WQERSV25	"BIT7,,C'X'" - RESERVED
186	(BA)	BITSTRING	1	WQEDC3	- RESERVED for 3rd byte of descriptor codes
187	(BB)	BITSTRING	1	WQEDC4	- RESERVED for 4th byte of descriptor codes (was WQEMCSCT)
187	(BB)	X'160'	0	IHAWQE_KOW32623_WQESIZE	"352" size of WQE at version OW32623
187	(BB)	X'180'	0	IHAWQE_KJBB7727_WQESIZE	"384" size of WQE at version JBB7727
187	(BB)	X'1D0'	0	IHAWQE_KHBB7770_WQESIZE	"464" size of WQE at version HBB7770
188	(BC)	SIGNED	4	WQEJSTCB	- ADDRESS OF JOB STEP TCB
192	(C0)	BITSTRING	1	WQEVRSN	VERSION LEVEL
192	(C0)	X'1'	0	WQESP211	"1" JBB2110 VERSION LEVEL
192	(C0)	X'2'	0	WQESP220	"2" JBB2220 VERSION LEVEL
192	(C0)	X'3'	0	WQESP410	"3" HBB4410 VERSION LEVEL
192	(C0)	X'4'	0	WQESP422	"4" JBB4422 VERSION LEVEL
192	(C0)	X'5'	0	WQESP440	"5" HBB5510 VERSION LEVEL
192	(C0)	X'8'	0	WQE32623	"8" OW32623 version level which means a) all diagnostics flags from OW26748 have been removed b) The byte originally reserved for the 4th byte of descriptor codes is now routed to only-MCS consoles count
192	(C0)	X'9'	0	WQEBBB7727	"9" JBB7727 VERSION LEVEL
192	(C0)	X'14'	0	WQEHBB7730	"20" HBB7730 VERSION LEVEL
192	(C0)	X'1E'	0	WQEHBB7770	"30" HBB7770 VERSION LEVEL
192	(C0)	X'1E'	0	WQEVRIID	"WQEHBB7770" THE CURRENT VERSION LEVEL
193	(C1)	BITSTRING	1	WQEFLG2	MISC FLAGS BYTE 2
		1... ..		WQERSV96	"BIT0" RESERVED (WAS WQEHNDL)
		.1.		WQEMLCPL	"BIT1" Multiline is complete. Must be zero in Normal WQE. Used only in Major WQE.
		..1.		WQEFORN	"BIT2" FOREIGN WQE
		...1		WQETRANS	"BIT3" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
		.... 1...		WQESUPSJ	"BIT4" ON = DON'T DISPLAY SYSTEM NAME OR JOB NAME
		.... ..1.		WQEQXSYS	"BIT5" ON = QUEUED TO A CONSOLE ON ANOTHER SYSTEM IN THE SYSPLEX
		.... ..1		WQEQEXT	"BIT6" ON = QUEUED TO AN EXTENDED CLASS
		.... ..1		WQEQMCS	"BIT7" ON = QUEUED TO AN MCS CONSOLE
194	(C2)	CHARACTER	2	WQEMCSEF (0)	EXTENDED MCS FLAGS
194	(C2)	BITSTRING	1	WQEMCSE1	FIRST BYTE
		1... ..		WQERSV40	"BIT0" Reserved (was WQEEBUSY for BUSYEXIT)
		.1.		WQEECONS	"BIT1" FOUR-BYTE CONSOLE ID SPECIFIED
		..1.		WQERSV93	"BIT2" Reserved - Was WQEEDOMI
		...1		WQEECONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WQEEWTOR	"BIT4" WTOR WITH EXTENDED PARAMETER LIST
		.... ..1.		WQERSV94	"BIT5" Reserved - Was WQEEPRIO
		.... ..1.		WQECNM	"BIT6" CONSOLE NAME SPECIFIED
195	(C3)	BITSTRING	1	WQEMCSE2	SECOND BYTE OF EXT MCS FLAGS
		1... ..		WQEETXTA	"BIT0" UNUSED IN WQE - TEXT ADDRESS PARM SPECIFIED ON WTO MACRO
		..1.		WQENSHIP	"BIT1" Only used in lower level systems. Reserved at JBB7727 and above. May be reused when levels HBB7707 and below are out of service.
		...1		WQEEIDBCS	"BIT2" RESERVED
		.... 1...		WQEEIDBC	"BIT3" RESERVED
		.... ..1.		WQERSV1B	"BIT4" RESERVED
		.... ..1.		WQEEsync	"BIT5" PROCESS SYNCHRONOUS WITH RESPECT TO THE CALLER
		.... ..1.		WQERSV1C	"BIT6" RESERVED
		.... ..1		WQERSV1D	"BIT7" RESERVED
196	(C4)	CHARACTER	8	WQESYSNM	THE NAME OF THE SYSTEM ON WHICH THIS MESSAGE WAS ISSUED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
204	(CC)	CHARACTER	5	WQEDATE	DATE WTO ISSUED
209	(D1)	CHARACTER	3	WQETS2 (0)	TENTHS AND HUNDREDTHS OF A SECOND
209	(D1)	CHARACTER	1	WQEPER3	DECIMAL POINT IN TIME
210	(D2)	CHARACTER	2	WQETS2TH	TENTHS AND HUNDREDTHS OF A SECOND
212	(D4)	CHARACTER	4	WQEXMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
212	(D4)	CHARACTER	3	WQERFLGS (0)	COMM TASK USER EXIT REQUESTS
212	(D4)	BITSTRING	1	WQERFB1	REQUEST FLAGS BYTE ONE
		1...		WQERCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1.		WQERCRC	"BIT1" CHANGE THE ROUTING CODE(S)
		..1.		WQERCDC	"BIT2" CHANGE THE DESCRIPTOR CODE(S)
		...1		WQERQPC	"BIT3" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1...		WQERQUN	"BIT4" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1.		WQERQRC	"BIT5" QUEUE BY ROUTING CODES ONLY
		.... ..1.		WQERSV76	"BIT6" RESERVED (WAS WQERCCN)
		.... ...1		WQERPML	"BIT7" PROCESS MINOR LINES
213	(D5)	BITSTRING	1	WQERFB2	REQUEST FLAGS BYTE TWO
		1...		WQERDTM	"BIT0" DELETE THE MESSAGE
		.1.		WQEROMS	"BIT1" OVERRIDE MPF SUPPRESSION
		..1.		WQERFHC	"BIT2" FORCE HARDCOPY
		...1		WQERNHC	"BIT3" FORCE NO HARDCOPY
		.... 1...		WQERHCO	"BIT4" FORCE HARDCOPY ONLY
		.... .1.		WQERBCA	"BIT5" BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1.		WQERBCN	"BIT6" DO NOT BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ...1		WQERNRT	"BIT7" AMRF IS NOT TO RETAIN THIS MSG
214	(D6)	BITSTRING	1	WQERFB3	REQUEST FLAGS BYTE THREE
		1...		WQERRET	"BIT0" AMRF IS TO RETAIN THIS MSG
		.1.		WQERCKY	"BIT1" CHANGE THE RETRIEVAL KEY
		..1.		WQERCFC	"BIT2" CHANGE THE 4-BYTE CONSOLE ID
		...1		WQERCMF	"BIT3" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		WQERANO	"BIT4" AUTOMATION IS NOT REQUIRED
		.... .1.		WQERAYS	"BIT5" AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN UPDATED
		.... ..1.		WQEQHCO	"BIT6" MESSAGE ISSUED HARDCOPY ONLY
		.... ...1		WQERSV43	"BIT7" Reserved - Was WQEHUD
215	(D7)	BITSTRING	1	WQESUPB	SUPPRESSION BYTE
		1...		WQESNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1.		WQESEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WQESNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WQESAUT	"BIT3" INDICATE AUTOMATION SPECIFIED
		.... 1...		WQE_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1.		WQESSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WQESWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		.... ...1		WQESMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
216	(D8)	SIGNED	2	WQEMLVL (0)	MESSAGE LEVEL MASK FOR QUEUING
216	(D8)	BITSTRING	1	WQEML1	FIRST BYTE OF LEVEL INDICATOR
		1...		WQEMLR	"BIT0" WTOR
		.1.		WQEMLIA	"BIT1" IMMEDIATE ACTION MESSAGE
		..1.		WQEMLCE	"BIT2" CRITICAL EVENTUAL ACTION MESSAGE
		...1		WQEMLLE	"BIT3" EVENTUAL ACTION MESSAGE
		.... 1...		WQEMLI	"BIT4" INFORMATIONAL MESSAGE
		.... ..1.		WQEMLBC	"BIT5" BROADCAST MESSAGE
217	(D9)	BITSTRING	1	WQEML2	RESERVED
218	(DA)	SIGNED	2	WQELENG	WQE SIZE
220	(DC)	SIGNED	4	WQEDSQN	UNIVERSAL DISPLAY SEQUENCE NUMBER
224	(E0)	BITSTRING	16	WQEERC (0)	EXTENDED ROUTING CODES
224	(E0)	BITSTRING	2	WQEERCROUT (0)	FIRST TWO BYTES OF ROUTING CODES
224	(E0)	BITSTRING	1	WQEERC1	BYTE 1 - EXTENDED ROUTING CODES
		1...		WQERC1	"BIT0" PRIMARY CONSOLE ACTION
		.1.		WQERC2	"BIT1" PRIMARY CONSOLE INFORMATION
		..1.		WQERC3	"BIT2" TAPE POOL
		...1		WQERC4	"BIT3" DIRECT ACCESS POOL
		.... 1...		WQERC5	"BIT4" TAPE LIBRARY
		.... .1.		WQERC6	"BIT5" DISK LIBRARY
		.... ..1.		WQERC7	"BIT6" UNIT RECORD POOL
		.... ...1		WQERC8	"BIT7" TELEPROCESSING CONTROL
225	(E1)	BITSTRING	1	WQEERC2	BYTE 2 - EXTENDED ROUTING CODES
		1...		WQERC9	"BIT0" SYSTEM SECURITY
		.1.		WQERC10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WQERC11	"BIT2" PROGRAMMER INFORMATION
		...1		WQERC12	"BIT3" EMULATOR INFORMATION
		.... 1...		WQERC13	"BIT4" USER ROUTING CODE

WQE Map

Offsets		Type/Value	Len	Name (Dim)	Description			
Dec	Hex							
226	(E2)	. . . . .1..	1	WQERC14	"BIT5" USER ROUTING CODE			
		. . . . .1.		WQERC15	"BIT6" USER ROUTING CODE			
		. . . . .1..		WQERC16	"BIT7" USER ROUTING CODE			
		BITSTRING		WQEERC3	BYTE 3 - EXTENDED ROUTING CODES			
		1... ..		WQERC17	"BIT0" USER ROUTING CODE			
		.1.		WQERC18	"BIT1" USER ROUTING CODE			
		.1.		WQERC19	"BIT2" USER ROUTING CODE			
		.1.		WQERC20	"BIT3" USER ROUTING CODE			
		.... 1..		WQERC21	"BIT4" RESERVED FOR JES USAGE			
		.... .1..		WQERC22	"BIT5" RESERVED FOR JES USAGE			
		.... .1..		WQERC23	"BIT6" RESERVED FOR JES USAGE			
		.... .1..		WQERC24	"BIT7" RESERVED FOR JES USAGE			
		227		(E3)	BITSTRING	1	WQEERC4	BYTE 4 - EXTENDED ROUTING CODES
					1... ..		WQERC25	"BIT0" RESERVED FOR JES USAGE
.1.	WQERC26		"BIT1" RESERVED FOR JES USAGE					
.1.	WQERC27		"BIT2" RESERVED FOR JES USAGE					
.1.	WQERC28		"BIT3" RESERVED FOR JES USAGE					
.... 1..	WQERC29		"BIT4" DISASTER RECOVERY					
.... .1..	WQERC30		"BIT5" RESERVED					
.... .1..	WQERC31		"BIT6" RESERVED					
.... .1..	WQERC32		"BIT7" RESERVED					
228	(E4)		BITSTRING		1		WQEERC5	BYTE 5 - EXTENDED ROUTING CODES
			1... ..				WQERC33	"BIT0" RESERVED
			.1.				WQERC34	"BIT1" RESERVED
			.1.				WQERC35	"BIT2" RESERVED
			.1.				WQERC36	"BIT3" RESERVED
		.... 1..	WQERC37	"BIT4" RESERVED				
		.... .1..	WQERC38	"BIT5" RESERVED				
		.... .1..	WQERC39	"BIT6" RESERVED				
		.... .1..	WQERC40	"BIT7" RESERVED				
		229	(E5)	BITSTRING		1	WQEERC6	BYTE 6 - EXTENDED ROUTING CODES
				1... ..			WQERC41	"BIT0" JOB STATUS MESSAGE
				.1.			WQERC42	"BIT1" GENERAL INFO ABOUT JES2 OR JES3
				.1.			WQERC43	"BIT2" RESERVED FOR JES USAGE
				.1.			WQERC44	"BIT3" RESERVED FOR JES USAGE
.... 1..	WQERC45			"BIT4" RESERVED FOR JES USAGE				
.... .1..	WQERC46			"BIT5" RESERVED FOR JES USAGE				
.... .1..	WQERC47			"BIT6" RESERVED FOR JES USAGE				
.... .1..	WQERC48			"BIT7" RESERVED FOR JES USAGE				
230	(E6)			BITSTRING	1		WQEERC7	BYTE 7 - EXTENDED ROUTING CODES
				1... ..			WQERC49	"BIT0" RESERVED FOR JES USAGE
				.1.			WQERC50	"BIT1" RESERVED FOR JES USAGE
				.1.			WQERC51	"BIT2" RESERVED FOR JES USAGE
				.1.			WQERC52	"BIT3" RESERVED FOR JES USAGE
		.... 1..	WQERC53	"BIT4" RESERVED FOR JES USAGE				
		.... .1..	WQERC54	"BIT5" RESERVED FOR JES USAGE				
		.... .1..	WQERC55	"BIT6" RESERVED FOR JES USAGE				
		.... .1..	WQERC56	"BIT7" RESERVED FOR JES USAGE				
		231	(E7)	BITSTRING		1	WQEERC8	BYTE 8 - EXTENDED ROUTING CODES
				1... ..			WQERC57	"BIT0" RESERVED FOR JES USAGE
				.1.			WQERC58	"BIT1" RESERVED FOR JES USAGE
				.1.			WQERC59	"BIT2" RESERVED FOR JES USAGE
				.1.			WQERC60	"BIT3" RESERVED FOR JES USAGE
.... 1..	WQERC61			"BIT4" RESERVED FOR JES USAGE				
.... .1..	WQERC62			"BIT5" RESERVED FOR JES USAGE				
.... .1..	WQERC63			"BIT6" RESERVED FOR JES USAGE				
.... .1..	WQERC64			"BIT7" RESERVED FOR JES USAGE				
232	(E8)			BITSTRING	1		WQEERC9	BYTE 9 - EXTENDED ROUTING CODES
				1... ..			WQERC65	"BIT0" PROCESSOR RELATED MESSAGE
				.1.			WQERC66	"BIT1" PROCESSOR RELATED MESSAGE
				.1.			WQERC67	"BIT2" PROCESSOR RELATED MESSAGE
				.1.			WQERC68	"BIT3" PROCESSOR RELATED MESSAGE
		.1.	WQERC69	"BIT4" PROCESSOR RELATED MESSAGE				
		.... .1..	WQERC70	"BIT5" PROCESSOR RELATED MESSAGE				
		.... .1..	WQERC71	"BIT6" PROCESSOR RELATED MESSAGE				
		.... .1..	WQERC72	"BIT7" PROCESSOR RELATED MESSAGE				
		233	(E9)	BITSTRING		1	WQEERC10	BYTE 10 - EXTENDED ROUTING CODES
				1... ..			WQERC73	"BIT0" PROCESSOR RELATED MESSAGE
				.1.			WQERC74	"BIT1" PROCESSOR RELATED MESSAGE
				.1.			WQERC75	"BIT2" PROCESSOR RELATED MESSAGE
				.1.			WQERC76	"BIT3" PROCESSOR RELATED MESSAGE
.... 1..	WQERC77			"BIT4" PROCESSOR RELATED MESSAGE				
.... .1..	WQERC78			"BIT5" PROCESSOR RELATED MESSAGE				
.... .1..	WQERC79			"BIT6" PROCESSOR RELATED MESSAGE				

Offsets		Type/Value	Len	Name (Dim)	Description			
Dec	Hex							
234	(EA)	.... ..1	1	WQERC80	"BIT7" PROCESSOR RELATED MESSAGE			
		1... ..		WQEERC11	BYTE 11 - EXTENDED ROUTING CODES			
		.1... ..		WQERC81	"BIT0" PROCESSOR RELATED MESSAGE			
		..1.		WQERC82	"BIT1" PROCESSOR RELATED MESSAGE			
		...1		WQERC83	"BIT2" PROCESSOR RELATED MESSAGE			
		.... 1...		WQERC84	"BIT3" PROCESSOR RELATED MESSAGE			
		.... ..1		WQERC85	"BIT4" PROCESSOR RELATED MESSAGE			
		.... ..1		WQERC86	"BIT5" PROCESSOR RELATED MESSAGE			
		.... ..1		WQERC87	"BIT6" PROCESSOR RELATED MESSAGE			
		.... ..1		WQERC88	"BIT7" PROCESSOR RELATED MESSAGE			
		235		(EB)	1... ..	1	WQEERC12	BYTE 12 - EXTENDED ROUTING CODES
					.1... ..		WQERC89	"BIT0" PROCESSOR RELATED MESSAGE
					..1.		WQERC90	"BIT1" PROCESSOR RELATED MESSAGE
					...1		WQERC91	"BIT2" PROCESSOR RELATED MESSAGE
.... 1...	WQERC92		"BIT3" PROCESSOR RELATED MESSAGE					
.... ..1	WQERC93		"BIT4" PROCESSOR RELATED MESSAGE					
.... ..1	WQERC94		"BIT5" PROCESSOR RELATED MESSAGE					
.... ..1	WQERC95		"BIT6" PROCESSOR RELATED MESSAGE					
.... ..1	WQERC96		"BIT7" PROCESSOR RELATED MESSAGE					
236	(EC)		1... ..		1		WQEERC13	BYTE 13 - EXTENDED ROUTING CODES
			.1... ..				WQERC97	"BIT0" DEVICE RELATED MESSAGE
			..1.				WQERC98	"BIT1" DEVICE RELATED MESSAGE
			...1				WQERC99	"BIT2" DEVICE RELATED MESSAGE
			.... 1...				WQERC100	"BIT3" DEVICE RELATED MESSAGE
		.... ..1	WQERC101	"BIT4" DEVICE RELATED MESSAGE				
		.... ..1	WQERC102	"BIT5" DEVICE RELATED MESSAGE				
		.... ..1	WQERC103	"BIT6" DEVICE RELATED MESSAGE				
		.... ..1	WQERC104	"BIT7" DEVICE RELATED MESSAGE				
		237	(ED)	1... ..		1	WQEERC14	BYTE 14 - EXTENDED ROUTING CODES
				.1... ..			WQERC105	"BIT0" DEVICE RELATED MESSAGE
				..1.			WQERC106	"BIT1" DEVICE RELATED MESSAGE
				...1			WQERC107	"BIT2" DEVICE RELATED MESSAGE
				.... 1...			WQERC108	"BIT3" DEVICE RELATED MESSAGE
.... ..1	WQERC109			"BIT4" DEVICE RELATED MESSAGE				
.... ..1	WQERC110			"BIT5" DEVICE RELATED MESSAGE				
.... ..1	WQERC111			"BIT6" DEVICE RELATED MESSAGE				
.... ..1	WQERC112			"BIT7" DEVICE RELATED MESSAGE				
238	(EE)			1... ..	1		WQEERC15	BYTE 15 - EXTENDED ROUTING CODES
				.1... ..			WQERC113	"BIT0" DEVICE RELATED MESSAGE
				..1.			WQERC114	"BIT1" DEVICE RELATED MESSAGE
				...1			WQERC115	"BIT2" DEVICE RELATED MESSAGE
				.... 1...			WQERC116	"BIT3" DEVICE RELATED MESSAGE
		.... ..1	WQERC117	"BIT4" DEVICE RELATED MESSAGE				
		.... ..1	WQERC118	"BIT5" DEVICE RELATED MESSAGE				
		.... ..1	WQERC119	"BIT6" DEVICE RELATED MESSAGE				
		.... ..1	WQERC120	"BIT7" DEVICE RELATED MESSAGE				
		239	(EF)	1... ..		1	WQEERC16	BYTE 16 - EXTENDED ROUTING CODES
				.1... ..			WQERC121	"BIT0" DEVICE RELATED MESSAGE
				..1.			WQERC122	"BIT1" DEVICE RELATED MESSAGE
				...1			WQERC123	"BIT2" DEVICE RELATED MESSAGE
				.... 1...			WQERC124	"BIT3" DEVICE RELATED MESSAGE
.... ..1	WQERC125			"BIT4" DEVICE RELATED MESSAGE				
.... ..1	WQERC126			"BIT5" DEVICE RELATED MESSAGE				
.... ..1	WQERC127			"BIT6" DEVICE RELATED MESSAGE				
.... ..1	WQERC128			"BIT7" DEVICE RELATED MESSAGE				
240	(F0)			CHARACTER	8		WQEKEY	RETRIEVAL KEY
248	(F8)			SIGNED	4		WQETOKN	TOKEN FOR DOM
252	(FC)			CHARACTER	4		WQECNID	FULLWORD CONSOLE ID Note: This console id may not have a console name associated with it. The console id itself may not correspond to a real console. Console ids 00FFFFFFx and 000000FFx are examples of this.
256	(100)			CHARACTER	8		WQEOJBID	ORIGINATING JOB ID
264	(108)			CHARACTER	8		WQEOJBNM	ORIGINATING JOB NAME
272	(110)	ADDRESS	2	WQEPRTY	Reserved - No longer used and will be deleted in a future release			
274	(112)	CHARACTER	8	WQEAUTOT	AUTOMATION TOKEN VALUE			
282	(11A)	CHARACTER	4	WQEERFS (0)	EXTENDED REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)			
282	(11A)	BITSTRING	1	WQEERF1	REQUEST FLAGS BYTE ONE			
		1... ..		WQEEMRY	"X'80" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING			
		.1... ..		WQEEMRN	"X'40" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING			
		..1.		WQEEMCO	"X'20" REQUEST TO CHANGE MESSAGE COLOR			
		...1		WQEEMHI	"X'10" REQUEST TO CHANGE MESSAGE HIGHLIGHTING			
		.... 1...		WQEEMIN	"X'08" REQUEST TO CHANGE MESSAGE INTENSITY			
		.... ..1		WQEERF2	REQUEST FLAGS BYTE TWO			
283	(11B)	BITSTRING	1	WQEERF2	REQUEST FLAGS BYTE TWO			
284	(11C)	BITSTRING	1	WQEERF3	REQUEST FLAGS BYTE THREE			
		1... ..		WQEEJL	"X'80" REQUEST TO SUPPRESS MESSAGE FROM THE JOBL			

WQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		WQENWTP	"X'40" REQUEST TO NOT DO WTP PROCESSING (NO SYMSMG OR TPUT)
285	(11D)	BITSTRING	1	WQEERF4	REQUEST FLAGS BYTE FOUR
286	(11E)	BITSTRING	1	WQJ3RTC	JES3 GLOBAL ROUTING - FOR USE BY JES3 ONLY
287	(11F)	BITSTRING	1	WQJ3MRC	GLOBAL MESSAGE ROUTING CONTROLS - FOR USE BY JES3 ONLY
288	(120)	BITSTRING	2	WQJ3CON	JES3 CONSOLE ID (FOR MINOR WQE PROCESSING) - FOR USE BY JES3 ONLY
290	(122)	CHARACTER	8	WQECNNME	CONSOLE NAME
298	(12A)	CHARACTER	8	WQECART	CART TOKEN
306	(132)	CHARACTER	2	WQEXIF (0)	MISCELLANEOUS AND MINOR ERROR INFORMATION FLAGS
306	(132)	BITSTRING	1	WQEXIF1	MISC AND MINOR ERROR FLAG BYTE 1
		1...		WQEXTTR	"BIT0" MESSAGE TEXT WAS TRUNCATED
		.1..		WQEXNVT	"BIT1" INVALID USER EXIT TEXT MODIFICATION
		..1.		WQEXMER	"BIT2" MUTUALLY EXCLUSIVE USER EXIT REQUESTS MADE
		...1		WQEXIRM	"BIT3" INCOMPATIBLE USER EXIT REQUESTS MADE
		.... 1..		WQEDMDB	"BIT4" DOM MDBS HAVE BEEN BUILT
307	(133)	BITSTRING	1	WQEXIF2	MISC AND MINOR ERROR FLAG BYTE 2
		1...		WQERSV95	"BIT0" Reserved - Was WQEQONLY
		.1..		WQEAMRFO	"BIT1" WQE IS FOR AMRF PURPOSES ONLY
		..1.		WQEAMRFA	"BIT2" AMRF IS ACTIVE ON ISSUING SYSTEM
		...1		WQEQQD	"BIT3" WQE WENT THROUGH QUEUEING ALREADY
		.... 1..		WQEWTPR	"BIT4" WTP REQUEST - ROUTE CODE 11 WAS ON AFTER CALLING WTO USER EXIT
		.... .1..		WQEMFR	"BIT5" WQE WAS MODIFIED FOR REISSUE BY QUEUEING
		.... ..1.		WQEAMRFR	"BIT6" ISSUED FOR AMRF REFRESH
		.... ...1		WQEQTSYS	"BIT7" QUEUE MESSAGE JUST ON THIS SYSTEM
308	(134)	SIGNED	4	WQERSV67	Reserved (was WQEXTUSE)
312	(138)	CHARACTER	1	WQERSV42	Reserved
313	(139)	SIGNED	1	WQE_AUTOR_REPLY_LEN	Reply length for auto-reply
314	(13A)	SIGNED	2	WQE_AUTOR_DELAY	Auto-reply delay time
316	(13C)	BITSTRING	1	WQEBENIP	BRANCH ENTRY/NIP FLAGS
		1...		WQEDOMD	"BIT0" MESSAGE HAS PREVIOUSLY BEEN DOM'D
		.1..		WQENBEW	"BIT1" WQE CREATED BY NIP OR BE WTO
		..1.		WQENHABD	"BIT2" HAS ALREADY BEEN DISPLAYED
		...1		WQEASCB	"BIT3" ASCB SPECIFIED
		.... 1..		WQEDFSLP	"BIT4" SLIP processing deferred until reissue
317	(13D)	BITSTRING	1	WQEQDSYS	WQE DESTINATIONS COUNTER
318	(13E)	CHARACTER	1	WQECASEL	MESSAGE COLOR
319	(13F)	CHARACTER	1	WQEHASEL	MESSAGE HIGHLIGHTING
320	(140)	CHARACTER	1	WQEIASSEL	MESSAGE INTENSITY

Comment

MISCELLANEOUS ROUTING INFORMATION
 NOTE - ANY FIELDS ADDED HERE MUST ALSO BE ADDED IN THE FOLLOWING:
 UCM, ODTE, MDB

End of Comment

321	(141)	BITSTRING	1	WQEMISC	MISCELLANEOUS ROUTING INFORMATION
		1...		WQERSV44	"BIT0" Reserved - Was WQEUD
		.1..		WQERSV45	"BIT1" Reserved - Was WQEFUDO
		..1.		WQEFIDO	"BIT2" QUEUE BY ID ONLY
		...1		WQEAUTO	"BIT3" QUEUE BY AUTOMATION
		.... 1..		WQEHC	"BIT4" QUEUE BY HARDCOPY
		.... .1..		WQEINTC	"BIT5" Directed to INTIDS (Console ID zero)
		.... ..1.		WQEUNKC	"BIT6" Directed to UNKNIDS (Unknown CNID)
322	(142)	BITSTRING	2	WQETSNT	TOTAL COUNT OF TDPS SENT OUT FOR THIS MESSAGE
324	(144)	SIGNED	4	WQERPYIB	BINARY REPLY ID
328	(148)	BITSTRING	4	WQETS3	STCK TIME STAMP Note - if task has been in a wait for resources, this is the time after returning from the wait
332	(14C)	BITSTRING	4	WQEFTOD	AMRF FAILURE TIME
336	(150)	CHARACTER	8		Reserved - Was WQEKQLST
344	(158)	ADDRESS	1	WQERIDL	LENGTH OF REPLY ID IN MESSAGE TEXT
345	(159)	BITSTRING	1	WQEMISCC	MISCELLANEOUS CONTROL PROGRAM FLAGS
		1...		WQESPVD	"BIT0" WQE BACKLOG MESSAGE
		.1..		WQEPRIV	"BIT1" Original issuer was privileged
		..1.		WQEQONLY	"BIT2" Send to the console and nowhere else.
345	(159)	X'10'	0	WQE_AUTOR_DATA_VALID	"Bit3" WQE contains valid auto-reply data
345	(159)	X'8'	0	WQE_AUTOR_DELAY_IN_SEC	"Bit4" Auto-reply delay time is in seconds
346	(15A)	CHARACTER	2	WQECENT	Century portion of date, in EBCDIC

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
348	(15C)	BITSTRING	4	WQELTOD	Stck time last minor added to MLWTO
352	(160)	CHARACTER	4	WQE_ACRO	Acronym 'WQE '
356	(164)	CHARACTER	16	WQE_ISSUED_ETOD	
372	(174)	CHARACTER	64	WQE_AUTOR_REPLY	Time message issued. In STCKE format
436	(1B4)	CHARACTER	28	WQERSV100	Auto-reply reply
436	(1B4)	X'1D0'	0	WQEL	Reserved
436	(1B4)	X'1D0'	0	WQESIZE	*** END OF WQE "WQEL-WQE" LENGTH OF WQE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WQEMAJ	, - MAJOR WQE
0	(0)	X'0'	0	WMJM	*** - START OF MAJOR WQE
0	(0)	ADDRESS	4	WMJMEXT	POINTER TO NEXT WQE
4	(4)	BITSTRING	1	WMJMMLW	- MLWTO FLAGS
		1...		WMJMMLWA	"BIT0" - DO NOT QUEUE MLWTO TO CONSOLES
		.1..		WMJMMLWB	"BIT1" - MAJOR WQE
		..1.		WMJMMLWC	"BIT2" - MINOR WQE
		...1		WMJMMLWD	"BIT3" - Reserved and can not be reused
		.... 1...		WMJMMLWE	"BIT4" - WTL ISSUED
		.... .1..		WMJMMLWF	"BIT5" - Reserved and can not be reused
		.... .1.		WMJMMLWG	"BIT6" - SERVICE THIS CHAIN
		.... ...1		WMJMMLWH	"BIT7" - MINOR WQE QUEUED HAS NO TEXT
5	(5)	CHARACTER	1	WMJMAREA	- AREA ID
6	(6)	SIGNED	2	WMJMXTL	- LENGTH OF TEXT
8	(8)	SIGNED	2	WMJMRTCT	ROUTED WQE COUNT
10	(A)	SIGNED	2	WMJMUC	USE COUNT
12	(C)	CHARACTER	1	WMJMPAD	- BLANK
13	(D)	CHARACTER	8	WMJMSTS	- TIME STAMP
21	(15)	CHARACTER	1	WMJMPAD1	- BLANK
22	(16)	CHARACTER	8	WMJMBNM	- JOBNAME INSERTED BY SUBSYSTEM
30	(1E)	CHARACTER	1	WMJMPAD2	- BLANK
31	(1F)	CHARACTER	72	WMJMXT	- MESSAGE TEXT (MAXIMUM OF 72 BYTES)
103	(67)	CHARACTER	4	WMJMHCID	- HARDCOPY ID
107	(6B)	CHARACTER	1	WMJMPAD3	- BLANK INSERTED SO THAT REMAINING FIELDS ARE ON A WORD
108	(6C)	SIGNED	4	WMJMRESA (2)	BOUNDARY Note, this field was used in OW26748 do not reuse - DUMMY MINOR CREATED BY PURGE OS/VS2
116	(74)	SIGNED	4	WQERSV29	- RESERVED
120	(78)	SIGNED	2	WQERSV30	- RESERVED
122	(7A)	BITSTRING	2	WMJMSE (0)	- LINE CONTROL FLAGS
122	(7A)	BITSTRING	1	WMJMSE1	- 1ST BYTE OF LINE CONTROL FLAGS
		1...		WMJMSE2	"BIT0" - C LINE IN MAJOR WQE
		.1..		WMJMSE3	"BIT1" - ONE LABEL LINE FOUND
		..1.		WMJMSE4	"BIT2" - TWO LABEL LINES FOUND
		...1		WMJMSE5	"BIT3" - LAST TYPE WAS CONTROL LINE
		.... 1...		WMJMSE6	"BIT4" - LAST TYPE WAS LABEL LINE
		.... .1..		WQERSV31	"BIT5,,C'X'" - RESERVED
		.... .1.		WQERSV32	"BIT6,,C'X'" - RESERVED
		.... ...1		WQERSV33	"BIT7,,C'X'" - RESERVED
123	(7B)	BITSTRING	1	WMJMSE2	- 2ND BYTE OF LINE CONTROL FLAGS
124	(7C)	BITSTRING	8	WQERSVD2	- RESERVED
132	(84)	BITSTRING	2	WQERSV34	- RESERVED ***WMJMRESB***
134	(86)	BITSTRING	2	WMJMLTYP (0)	- LINE TYPE FLAGS
134	(86)	BITSTRING	1	WMJMLTY1	- 1ST BYTE OF LINE TYPE FLAGS
		1...		WMJMLTYA	"BIT0" - CONTROL LINE
		.1..		WMJMLTYB	"BIT1" - LABEL LINE
		..1.		WMJMLTYC	"BIT2" - DATA LINE ICB433
		...1		WMJMLTYD	"BIT3" - END LINE ICB433
		.... 1...		WQERSV35	"BIT4,,C'X'" - RESERVED (Used by MDB)
		.... .1..		WMJMLTYF	"BIT5" - Verbose (optional) line
		.... .1.		WQERSV37	"BIT6,,C'X'" - RESERVED
		.... ...1		WQERSV38	"BIT7,,C'X'" - RESERVED
135	(87)	BITSTRING	1	WMJMLTY2	- 2ND BYTE OF LINE TYPE FLAGS
136	(88)	ADDRESS	4	WMJMMIN (0)	ADDRESS OF FIRST MINOR WQE
136	(88)	ADDRESS	4	WQEMINORQ	ADDRESS OF FIRST MINOR WQE
140	(8C)	BITSTRING	4	WMJMRV9D	- Reserved - was WMJMAECB
144	(90)	CHARACTER	4	WMJMMSGN	- MLWTO ID
148	(94)	BITSTRING	1	WMJMCEBF	- STATUS FLAGS
		1...		WMJMRV9E	"BIT0" - Reserved - was WMJMWAIT
		.1..		WMJMMAJD	"BIT1" - SUBSYSTEM OR USERS EXIT ASKED TO DELETE THIS MLWTO
		..1.		WMJMCONS	"BIT2" - FRAME FULL CONTROL BIT

WQE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		....		WMJMPSB1	"BIT3" SAVE AREA FOR COMMUNICATION BIT PASSED TO THE PRIMARY SUBSYSTEM
		.... 1..		WMJMRV9A	"BIT4" RESERVED
		.... .1..		WMJMWTP	"BIT5" MAJOR WQE TEXT HAS BEEN PUT/TPUT BY CNZS1WTP - DON'T DO IT AGAIN
		.... .1.		WQERSVD6	"BIT6,,C'X'" - RESERVED
		.... .1..		WQERSVD7	"BIT7,,C'X'" - RESERVED
149	(95)	BITSTRING	3	WQERSVD8	- RESERVED
152	(98)	SIGNED	4	WQERSVA4	- RESERVED
156	(9C)	SIGNED	4	WQERSVA5	- RESERVED
160	(A0)	BITSTRING	1	WMJMDSPL	- DISPOSITION FLAGS
		1...		WMJMDSPLA	"BIT0" - PURGE THIS WQE
		.1.		WMJMDSPLB	"BIT1" - QUEUE WQE TO HARDCOPY
		.1.		WMJMDSPLC	"BIT2" - MUST BE ZERO
		.1.		WMJMDSPLD	"BIT3" - QUEUED TO HARDCOPY
		.... 1..		WMJMDSPLE	"BIT4" - MUST BE ZERO
		.... .1..		WMJMDSPLF	"BIT5" - MESSAGE TO BE DOM'ED
		.... .1.		WMJMDSPLG	"BIT6" - Reserved and can not be reused
		.... .1..		WMJMDSPLH	"BIT7" - MSG ISSUED BY AUTH USER
161	(A1)	CHARACTER	2	WMJMASID	- ASID OF USER
163	(A3)	BITSTRING	1	WMJMBSPL	- BUFFER STATUS FLAGS
		1...		WMJMBSPLA	"BIT0" - WQE AVAILABLE
		.1.		WMJMBSPLB	"BIT1" - WQE IN USE
		.1.		WMJMBSPLC	"BIT2" - READY FOR HARDCOPY
		.1.		WMJMBSPLD	"BIT3" - Reserved and can not be reused
		.... 1..		WMJMBSPLE	"BIT4" - WQE SERVICED
		.... .1..		WMJMBSPLF	"BIT5" - TPUT TO DO
		.... .1.		WMJMBSPLG	"BIT6" - WQE SUPPRESSED
		.... .1..		WMJMBSPLH	"BIT7" - MAJOR WQE HAS BEEN MASTER TRACED
164	(A4)	SIGNED	4	(0)	-
164	(A4)	ADDRESS	4	WMJMTCB	- ADDRESS OF ISSUER'S TCB
168	(A8)	SIGNED	4	WMJMSEQ# (0)	WTO SEQUENCE NUMBER (DOM/CONNECT ID)
168	(A8)	SIGNED	1	WMJMSID	SYSTEM ID
169	(A9)	SIGNED	3	WMJMSEQ	24-BIT SEQUENCE NUMBER
172	(AC)	BITSTRING	2	WMJMCS (0)	- MCS FLAGS
172	(AC)	BITSTRING	1	WMJMCS1	- 1ST BYTE OF MCS FLAGS
		1...		WMJMCS1A	"BIT0" - ROUTING AND DESCRIPTOR CODES EXIST
		.1.		WMJMCS1B	"BIT1" - QUEUE TO CONSOLE WHOSE ID IS IN WMJMCNID (IF THE CONSOLE IS ACTIVE)
		.1.		WMJMCS1C	"BIT2" - COMMAND RESPONSE
		.1.		WMJMCS1D	"BIT3" - MESSAGE TYPE FIELD PRESENT
		.... 1..		WMJMCS1E	"BIT4" - ACCEPTED REPLY TO A WTOR
		.... .1..		WMJMCS1F	"BIT5" - BROADCAST (ROUTE TO ACTIVE CONSOLES)
		.... .1.		WMJMCS1G	"BIT6" - QUEUE TO HARDCOPY ONLY
		.... .1..		WMJRSV77	"BIT7" - RESERVED (WAS WMJMCS1H)
173	(AD)	BITSTRING	1	WMJMCS2	- 2ND BYTE OF MCS FLAGS
		1...		WMJMCS2A	"BIT0" - DO NOT TIME STAMP
		.1.		WMJMCS2B	"BIT1" - MLWTO
		.1.		WMJMCS2C	"BIT2" PRIMARY SUBSYSTEM USE ONLY: JES3: DO NOT LOG MINOR WQES IF THE MAJOR IS NOT HARDCOPIED JES2: NOT USED
		.... 1..		WMJMCS2D	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... .1..		WMJMCS2E	"BIT4" - THE MESSAGE IS AN OPERATOR COMMAND
		.... .1.		WMJMCS2F	"BIT5" - BYPASS HARDCOPY QUEUEING
		.... .1.		WMJMCS2G	"BIT6" WQEBLK KEYWORD SPECIFIED
		.... .1..		WMJMCS2H	"BIT7" RESERVED
174	(AE)	BITSTRING	2	WMJMMT (0)	- MESSAGE TYPE FLAGS
174	(AE)	BITSTRING	1	WMJMMT1	- 1ST BYTE OF MESSAGE TYPE FLAGS
		1...		WMJMMT1A	"BIT0" - DISPLAY JOBNAMES
		.1.		WMJMMT1B	"BIT1" - DISPLAY STATUS
		.1.		WQERSVA6	"BIT2,,C'X'" - RESERVED ***WMJMMT1C***
		.1.		WMJMMT1D	"BIT3" - MUST BE ZERO
		.... 1..		WQERSV50	"BIT4,,C'X'" - RESERVED
		.... .1..		WMJMMT1F	"BIT5" - MONITOR SESS
		.... .1.		WQERSV51	"BIT6,,C'X'" - RESERVED
		.... .1..		WQERSV52	"BIT7,,C'X'" - RESERVED
175	(AF)	BITSTRING	1	WMJMMT2	- 2ND BYTE OF MESSAGE TYPE FLAGS
176	(B0)	BITSTRING	2	WMJMRTC (0)	- ROUTING CODES
176	(B0)	BITSTRING	1	WMJMRTC1	- 1ST BYTE OF ROUTING CODES
		1...		WMJMRTC1A	"BIT0" - PRIMARY CONSOLE ACTION
		.1.		WMJMRTC1B	"BIT1" - PRIMARY CONSOLE INFORMATION
		.1.		WMJMRTC1C	"BIT2" - TAPE POOL
		.1.		WMJMRTC1D	"BIT3" - DIRECT ACCESS POOL
		.... 1..		WMJMRTC1E	"BIT4" - TAPE LIBRARY
		.... .1..		WMJMRTC1F	"BIT5" - DISK LIBRARY

Offsets		Type/Value	Len	Name (Dim)	Description			
Dec	Hex							
177	(B1)1.	1	WMJMRCCTG	"BIT6" - UNIT RECORD POOL			
	1		WMJMRCCTH	"BIT7" - TELEPROCESSING CONTROL			
		1...		WMJMRCCT2	- 2ND BYTE OF ROUTING CODES			
		.1..		WMJMRCCTI	"BIT0" - SYSTEM SECURITY			
		..1.		WMJMRCCTJ	"BIT1" - SYSTEM/ERROR MAINTENANCE			
		...1		WMJMRCCTK	"BIT2" - PROGRAMMER INFORMATION			
	 1...		WMJMRCCTL	"BIT3" - EMULATOR INFORMATION			
	1.		WMJMRCCTM	"BIT4" - USER ROUTING CODE			
	1		WMJMRCCTN	"BIT5" - USER ROUTING CODE			
	1.		WMJMRCCTO	"BIT6" - USER ROUTING CODE			
	1		WMJMRCCTP	"BIT7" USER ROUTING CODE			
		178		(B2)	CHARACTER	1	WMJCHAR1	1ST CHARACTER OF TEXT
		179		(B3)	1...	1	WMJMFLG3	MISCELLANEOUS FLAGS
					..1.	WMJDNDWQ	"BIT0" WQE HAS BEEN DELIVERED TO A CONSOLE ON THIS SYSTEM	
...1	WMJNSYL		"BIT1" - DO NOT DELETE WTOR UNTIL THIS BIT IS OFF					
.... 1...	WMJJ3B1		"BIT2" - DO NOT SEND THIS MESSAGE TO SYSLOG					
.... ..1.	WMJJ3B2		"BIT3" - BIT FOR USE BY JES3 ONLY					
.... ...1	WMJJ3B2		"BIT4" - BIT FOR USE BY JES3 ONLY					
.... ..1.	WMJ1BID		- RESERVED (WAS WMJMUID)					
180	(B4)	CHARACTER	1	WMJFLG1	- MISCELLANEOUS FLAGS			
181	(B5)	1...	1	WMJFLG11	"BIT0" - THIS MESSAGE WAS PROCESSED WHILE MPF WAS ACTIVE AND HARDCOPY WAS AVAILABLE			
		..1.	WMJMRETN	"BIT1" - MSG IS TO BE RETAINED BY AMRF				
		...1	WMJMNMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM				
		.... 1...	WMJRSV79	"BIT3" RESERVED (WAS WMJMSQMC)			
		.... ..1.	WMJNOJLG	"BIT4" SUPPRESS FROM JOB LOG			
		.... ...1	WMJAUTOV	"BIT5" - INDICATES MPF AUTO SUPPORTED			
		.... ..1.	WMJPPNA	"BIT6" - PROBLEM PROGRAM NONACTION MAJOR			
		.... ...1	WMJMRISS	"BIT7" - REISSUED MESSAGE			
		182	(B6)	BITSTRING	2	WQERSV54	- RESERVED - MAPS TO WQERPYID	
		184	(B8)	BITSTRING	4	WMJMDEC (0)	- DESCRIPTOR CODES	
		184	(B8)	1...	1	WMJMDEC1	- 1ST BYTE OF DESCRIPTOR CODES	
				..1.	WMJMDECA	"BIT0" - SYSTEM FAILURE MESSAGE		
				...1	WMJMDECB	"BIT1" - IMMEDIATE ACTION REQUIRED MESSAGE		
			 1...	WMJMDECC	"BIT2" - EVENTUAL ACTION REQUIRED MESSAGE		
.... ..1.	WMJMDECD			"BIT3" - SYSTEM STATUS MESSAGE				
.... ...1	WMJMDECE			"BIT4" - IMMEDIATE COMMAND RESPONSE MESSAGE				
.... ..1.	WMJMDECF			"BIT5" - JOB STATUS MESSAGE				
.... ...1	WMJMDECG			"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE, OR DELETE AT TASK TERMINATION				
.... ..1	WMJMDECH			"BIT7" - OUT-OF-LINE MESSAGE				
185	(B9)			BITSTRING	1	WMJMDEC2	- 2ND BYTE OF DESCRIPTOR CODES	
186	(BA)	1...	1	WMJMDECI	"BIT0" OPERATOR REQUEST			
		..1.	WMJMDECJ	"BIT1" RESERVED				
		...1	WMJMDECK	"BIT2" - CRITICAL EVENTUAL ACTION MSG - DESCRIPTOR CODE 11				
		.... 1...	WMJMDECL	"BIT3" - DELIVERED BUT NOT HELD			
		.... ..1.	WMJMDECM	"BIT4" - PREVIOUSLY AUTOMATED			
		.... ...1	WQERSV59	"BIT5,,C'X'" - RESERVED			
		.... ..1.	WQERSV60	"BIT6,,C'X'" - RESERVED			
		.... ...1	WQERSV61	"BIT7,,C'X'" - RESERVED			
		187	(BB)	BITSTRING	1	WMJMDEC3	- Reserved for 3rd byte of descriptor codes	
		188	(BC)	SIGNED	4	WMJMTCB	- ADDRESS OF JOB STEP TCB	
		192	(C0)	BITSTRING	1	WMJMVRSN	VERSION LEVEL	
		193	(C1)	1...	1	WMJMFLG2	MISC FLAGS BYTE 2	
				..1.	WMJRSV96	"BIT0" RESERVED (WAS WMJMHNDL)		
				...1	WMJMLCPL	"BIT1" MULTILINE IS COMPLETE		
.... 1...	WMJMFORN			"BIT2" FOREIGN WQE				
.... ..1.	WMJMTRAN			"BIT3" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM				
.... ...1	WMJSUPSJ			"BIT4" ON = DON'T DISPLAY SYSTEM NAME OR JOB NAME				
.... ..1.	WMJQXSYS			"BIT5" ON = QUEUED TO A CONSOLE ON ANOTHER SYSTEM IN THE SYSPLX				
.... ..1.	WMJQEXT			"BIT6" ON = QUEUED TO AN EXTENDED CLASS				
.... ...1	WMJQMCS			"BIT7" ON = QUEUED TO AN MCS CONSOLE				
194	(C2)			CHARACTER	2	WMJMCE (0)	EXTENDED MCS FLAGS	
194	(C2)	1...	1	WMJMCE1	FIRST BYTE			
		..1.	WMJRSV40	"BIT0" Reserved (was WMJEBSY for BUSYEXIT)				
		...1	WMJECONS	"BIT1" FOUR-BYTE CONSOLE ID SPECIFIED				
		.... 1...	WMJMRV93	"BIT2" Reserved - Was WMJEDOMI			
		.... ..1.	WMJECONN	"BIT3" CONNECT ID WAS SPECIFIED			
		.... ...1	WMJEWTOR	"BIT4" WTOR WITH EXTENDED PARAMETER LIST			
		.... ..1.	WMJMRV94	"BIT5" Reserved - Was WMJEPRI0			
		.... ...1	WMJMCNM	"BIT6" CONSOLE NAME SPECIFIED			

WQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
195	(C3)	BITSTRING 1... ..	1	WMJMCE2 WMJMXTA	SECOND BYTE OF EXT MCS FLAGS "BIT0" UNUSED IN WQE - TEXT ADDRESS PARAMETER SPECIFIED ON WTO MACRO
		.1.		WMJNSHIP	"BIT1" Only used in lower level systems. Reserved at JBB7727 and above. May be reused when levels HBB7707 and below are out of service.
		..1.		WMJMRV9B	"BIT2" RESERVED
		...1		WMJMRV9C	"BIT3" RESERVED
		.... 1...		WMJMRV1A	"BIT4" RESERVED
		.... .1..		WMJMRV1B	"BIT5" RESERVED
		.... .1..		WMJMRV1C	"BIT6" RESERVED
		.... ..1		WMJMRV1D	"BIT7" RESERVED
196	(C4)	CHARACTER	8	WMJMSNM	THE NAME OF THE SYSTEM ON WHICH THIS MESSAGE WAS ISSUED
204	(CC)	CHARACTER	5	WMJMDATE	DATE WTO ISSUED
209	(D1)	CHARACTER	3	WMJMTS2	TENTHS AND HUNDREDTHS OF A SECOND
212	(D4)	CHARACTER	4	WMJMXMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
212	(D4)	CHARACTER	3	WMJMFLGS (0)	COMM TASK USER EXIT REQUESTS
212	(D4)	BITSTRING 1... ..	1	WMJMFRB1	REQUEST FLAGS BYTE ONE
		.1.		WMJMRCMT	"BIT0" CHANGE THE MESSAGE TEXT
		..1.		WMJMRCRC	"BIT1" CHANGE THE ROUTING CODE(S)
		...1		WMJMRCDC	"BIT2" CHANGE THE DESCRIPTOR CODE(S)
		.... 1...		WMJMQRPC	"BIT3" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... .1..		WMJMQRUN	"BIT4" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		WMJMQRQC	"BIT5" QUEUE BY ROUTING CODES ONLY
		.... ..1		WMJRSV76	"BIT6" RESERVED (WAS WMJMRCN)
		.... ..1		WMJMPPML	"BIT7" PROCESS MINOR LINES
213	(D5)	BITSTRING 1... ..	1	WMJMFRB2	REQUEST FLAGS BYTE TWO
		.1.		WMJMRTM	"BIT0" DELETE THE MESSAGE
		..1.		WMJMROMS	"BIT1" OVERRIDE MPF SUPPRESSION
		.... 1...		WMJMRFHC	"BIT2" FORCE HARDCOPY
		.... .1..		WMJMRFNC	"BIT3" FORCE NO HARDCOPY
		.... ..1		WMJMHRCO	"BIT4" FORCE HARDCOPY ONLY
		.... ..1		WMJMBCA	"BIT5" BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1		WMJMBCN	"BIT6" DO NOT BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1		WMJMNRRT	"BIT7" AMRF IS NOT TO RETAIN THIS MSG
214	(D6)	BITSTRING 1... ..	1	WMJMFRB3	REQUEST FLAGS BYTE THREE
		.1.		WMJMRRRT	"BIT0" AMRF IS TO RETAIN THIS MSG
		..1.		WMJMRCY	"BIT1" CHANGE THE RETRIEVAL KEY
		.... 1...		WMJMRCFC	"BIT2" CHANGE THE 4-BYTE CONSOLE ID
		.... .1..		WMJMRCMF	"BIT3" CHANGE THE MESSAGE TYPE FLAGS
		.... ..1		WMJFRANO	"BIT4" AUTOMATION IS NOT REQUIRED
		.... ..1		WMJFRAYS	"BIT5" AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN UPDATED
		.... ..1		WMJMQHCO	"BIT6" MESSAGE ISSUED HARDCOPY ONLY
		.... ..1		WMJMVR43	"BIT7" Reserved - Was WMJMHUD
215	(D7)	BITSTRING 1... ..	1	WMJMSUPB	SUPPRESSION BYTE
		.1.		WMJMNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		..1.		WMJMSEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		.... 1...		WMJMNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		.... ..1		WMJMSAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... ..1		WMJM_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... ..1		WMJMSSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1		WMJMSTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		.... ..1		WMJMSMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
216	(D8)	SIGNED	2	WMJMMLVL (0)	MESSAGE LEVEL MASK FOR QUEUING
216	(D8)	BITSTRING 1... ..	1	WMJMML1	FIRST BYTE OF LEVEL INDICATORS
		.1.		WMJMMLR	"BIT0" WTOR
		..1.		WMJMMLIA	"BIT1" IMMEDIATE ACTION MESSAGE
		.... 1...		WMJMMLCE	"BIT2" CRITICAL EVENTUAL ACTION MESSAGE
		.... .1..		WMJMMLLE	"BIT3" EVENTUAL ACTION MESSAGE
		.... ..1		WMJMMLI	"BIT4" INFORMATIONAL MESSAGE
		.... ..1		WMJMMLBC	"BIT5" BROADCAST MESSAGE
217	(D9)	BITSTRING	1	WMJMML2	RESERVED
218	(DA)	SIGNED	2	WMJM LENG	WQE SIZE
220	(DC)	SIGNED	4	WMJDSQN	UNIVERSAL DISPLAY SEQUENCE NUMBER
224	(E0)	BITSTRING	16	WMJMERC (0)	EXTENDED ROUTING CODES
224	(E0)	BITSTRING 1... ..	1	WMJMRC1	BYTE 1 - EXTENDED ROUTING CODES
		.1.		WMJRC1	"BIT0" PRIMARY CONSOLE ACTION
		..1.		WMJRC2	"BIT1" PRIMARY CONSOLE INFORMATION
		.... 1...		WMJRC3	"BIT2" TAPE POOL
		.... .1..		WMJRC4	"BIT3" DIRECT ACCESS POOL
		.... ..1		WMJRC5	"BIT4" TAPE LIBRARY
		.... ..1		WMJRC6	"BIT5" DISK LIBRARY

Offsets		Type/Value	Len	Name (Dim)	Description			
Dec	Hex							
225	(E1)	.... ..1.	1	WMJRC7	"BIT6" UNIT RECORD POOL		
		.... ...1		WMJRC8	"BIT7" TELEPROCESSING CONTROL		
		BITSTRING		WMJMRC2	BYTE 2 - EXTENDED ROUTING CODES			
		1...		WMJRC9	"BIT0" SYSTEM SECURITY			
		.1..		WMJRC10	"BIT1" SYSTEM/ERROR MAINTENANCE			
		..1.		WMJRC11	"BIT2" PROGRAMMER INFORMATION			
		...1		WMJRC12	"BIT3" EMULATOR INFORMATION			
		.... 1...		WMJRC13	"BIT4" USER ROUTING CODE		
		.... ..1.		WMJRC14	"BIT5" USER ROUTING CODE		
		.... ..1.		WMJRC15	"BIT6" USER ROUTING CODE		
		.... ...1		WMJRC16	"BIT7" USER ROUTING CODE		
		226		(E2)	BITSTRING	1	WMJMRC3	BYTE 3 - EXTENDED ROUTING CODES
					1...	WMJRC17	"BIT0" USER ROUTING CODE	
					.1..	WMJRC18	"BIT1" USER ROUTING CODE	
..1.	WMJRC19		"BIT2" USER ROUTING CODE					
...1	WMJRC20		"BIT3" USER ROUTING CODE					
.... 1...	WMJRC21		"BIT4" RESERVED FOR JES USAGE					
.... ..1.	WMJRC22		"BIT5" RESERVED FOR JES USAGE					
.... ..1.	WMJRC23		"BIT6" RESERVED FOR JES USAGE					
.... ...1	WMJRC24		"BIT7" RESERVED FOR JES USAGE					
227	(E3)		BITSTRING		1	WMJMRC4	BYTE 4 - EXTENDED ROUTING CODES	
			1...		WMJRC25	"BIT0" RESERVED FOR JES USAGE		
			.1..		WMJRC26	"BIT1" RESERVED FOR JES USAGE		
			..1.		WMJRC27	"BIT2" RESERVED FOR JES USAGE		
			...1		WMJRC28	"BIT3" RESERVED FOR JES USAGE		
		.... 1...	WMJRC29	"BIT4" DISASTER RECOVERY			
		.... ..1.	WMJRC30	"BIT5" RESERVED			
		.... ..1.	WMJRC31	"BIT6" RESERVED			
		.... ...1	WMJRC32	"BIT7" RESERVED			
		228	(E4)	BITSTRING	1	WMJMRC5	BYTE 5 - EXTENDED ROUTING CODES	
				1...	WMJRC33	"BIT0" RESERVED		
				.1..	WMJRC34	"BIT1" RESERVED		
				..1.	WMJRC35	"BIT2" RESERVED		
				...1	WMJRC36	"BIT3" RESERVED		
.... 1...	WMJRC37			"BIT4" RESERVED				
.... ..1.	WMJRC38			"BIT5" RESERVED				
.... ..1.	WMJRC39			"BIT6" RESERVED				
.... ...1	WMJRC40			"BIT7" RESERVED				
229	(E5)			BITSTRING	1	WMJMRC6	BYTE 6 - EXTENDED ROUTING CODES	
				1...	WMJRC41	"BIT0" JOB STATUS MESSAGE		
				.1..	WMJRC42	"BIT1" GENERAL INFO ABOUT JES2 OR JES3		
				..1.	WMJRC43	"BIT2" RESERVED FOR JES USAGE		
				...1	WMJRC44	"BIT3" RESERVED FOR JES USAGE		
		.... 1...	WMJRC45	"BIT4" RESERVED FOR JES USAGE			
		.... ..1.	WMJRC46	"BIT5" RESERVED FOR JES USAGE			
		.... ..1.	WMJRC47	"BIT6" RESERVED FOR JES USAGE			
		.... ...1	WMJRC48	"BIT7" RESERVED FOR JES USAGE			
		230	(E6)	BITSTRING	1	WMJMRC7	BYTE 7 - EXTENDED ROUTING CODES	
				1...	WMJRC49	"BIT0" RESERVED FOR JES USAGE		
				.1..	WMJRC50	"BIT1" RESERVED FOR JES USAGE		
				..1.	WMJRC51	"BIT2" RESERVED FOR JES USAGE		
				...1	WMJRC52	"BIT3" RESERVED FOR JES USAGE		
.... 1...	WMJRC53			"BIT4" RESERVED FOR JES USAGE				
.... ..1.	WMJRC54			"BIT5" RESERVED FOR JES USAGE				
.... ..1.	WMJRC55			"BIT6" RESERVED FOR JES USAGE				
.... ...1	WMJRC56			"BIT7" RESERVED FOR JES USAGE				
231	(E7)			BITSTRING	1	WMJMRC8	BYTE 8 - EXTENDED ROUTING CODES	
				1...	WMJRC57	"BIT0" RESERVED FOR JES USAGE		
				.1..	WMJRC58	"BIT1" RESERVED FOR JES USAGE		
				..1.	WMJRC59	"BIT2" RESERVED FOR JES USAGE		
				...1	WMJRC60	"BIT3" RESERVED FOR JES USAGE		
		.... 1...	WMJRC61	"BIT4" RESERVED FOR JES USAGE			
		.... ..1.	WMJRC62	"BIT5" RESERVED FOR JES USAGE			
		.... ..1.	WMJRC63	"BIT6" RESERVED FOR JES USAGE			
		.... ...1	WMJRC64	"BIT7" RESERVED FOR JES USAGE			
		232	(E8)	BITSTRING	1	WMJMRC9	BYTE 9 - EXTENDED ROUTING CODES	
				1...	WMJRC65	"BIT0" PROCESSOR RELATED MESSAGE		
				.1..	WMJRC66	"BIT1" PROCESSOR RELATED MESSAGE		
				..1.	WMJRC67	"BIT2" PROCESSOR RELATED MESSAGE		
				...1	WMJRC68	"BIT3" PROCESSOR RELATED MESSAGE		
.... 1...	WMJRC69			"BIT4" PROCESSOR RELATED MESSAGE				
.... ..1.	WMJRC70			"BIT5" PROCESSOR RELATED MESSAGE				
.... ..1.	WMJRC71			"BIT6" PROCESSOR RELATED MESSAGE				
.... ...1	WMJRC72			"BIT7" PROCESSOR RELATED MESSAGE				

WQE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
233	(E9)	BITSTRING	1	WMJMRC10	BYTE 10 - EXTENDED ROUTING CODES
		1...		WMJRC73	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC74	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC75	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC76	"BIT3" PROCESSOR RELATED MESSAGE
	 1...		WMJRC77	"BIT4" PROCESSOR RELATED MESSAGE
	1..		WMJRC78	"BIT5" PROCESSOR RELATED MESSAGE
	1.		WMJRC79	"BIT6" PROCESSOR RELATED MESSAGE
	1		WMJRC80	"BIT7" PROCESSOR RELATED MESSAGE
		234		(EA)	BITSTRING
1...	WMJRC81		"BIT0" PROCESSOR RELATED MESSAGE		
.1..	WMJRC82		"BIT1" PROCESSOR RELATED MESSAGE		
..1.	WMJRC83		"BIT2" PROCESSOR RELATED MESSAGE		
...1	WMJRC84		"BIT3" PROCESSOR RELATED MESSAGE		
.... 1...	WMJRC85		"BIT4" PROCESSOR RELATED MESSAGE		
.... .1..	WMJRC86		"BIT5" PROCESSOR RELATED MESSAGE		
.... ..1.	WMJRC87		"BIT6" PROCESSOR RELATED MESSAGE		
.... ...1	WMJRC88		"BIT7" PROCESSOR RELATED MESSAGE		
235	(EB)		BITSTRING		1		WMJMRC12	BYTE 12 - EXTENDED ROUTING CODES
		1...	WMJRC89	"BIT0" PROCESSOR RELATED MESSAGE	
		.1..	WMJRC90	"BIT1" PROCESSOR RELATED MESSAGE	
		..1.	WMJRC91	"BIT2" PROCESSOR RELATED MESSAGE	
		...1	WMJRC92	"BIT3" PROCESSOR RELATED MESSAGE	
		.... 1...	WMJRC93	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..	WMJRC94	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.	WMJRC95	"BIT6" PROCESSOR RELATED MESSAGE
		.... ...1	WMJRC96	"BIT7" PROCESSOR RELATED MESSAGE
		236	(EC)	BITSTRING	
1...	WMJRC97			"BIT0" DEVICE RELATED MESSAGE	
.1..	WMJRC98			"BIT1" DEVICE RELATED MESSAGE	
..1.	WMJRC99			"BIT2" DEVICE RELATED MESSAGE	
...1	WMJRC100			"BIT3" DEVICE RELATED MESSAGE	
.... 1...	WMJRC101			"BIT4" DEVICE RELATED MESSAGE	
.... .1..	WMJRC102			"BIT5" DEVICE RELATED MESSAGE	
.... ..1.	WMJRC103			"BIT6" DEVICE RELATED MESSAGE	
.... ...1	WMJRC104			"BIT7" DEVICE RELATED MESSAGE	
237	(ED)			BITSTRING	1		WMJMRC14	BYTE 14 - EXTENDED ROUTING CODES
		1...	WMJRC105	"BIT0" DEVICE RELATED MESSAGE	
		.1..	WMJRC106	"BIT1" DEVICE RELATED MESSAGE	
		..1.	WMJRC107	"BIT2" DEVICE RELATED MESSAGE	
		...1	WMJRC108	"BIT3" DEVICE RELATED MESSAGE	
		.... 1...	WMJRC109	"BIT4" DEVICE RELATED MESSAGE
		.... .1..	WMJRC110	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.	WMJRC111	"BIT6" DEVICE RELATED MESSAGE
		.... ...1	WMJRC112	"BIT7" DEVICE RELATED MESSAGE
		238	(EE)	BITSTRING	
1...	WMJRC113			"BIT0" DEVICE RELATED MESSAGE	
.1..	WMJRC114			"BIT1" DEVICE RELATED MESSAGE	
..1.	WMJRC115			"BIT2" DEVICE RELATED MESSAGE	
...1	WMJRC116			"BIT3" DEVICE RELATED MESSAGE	
.... 1...	WMJRC117			"BIT4" DEVICE RELATED MESSAGE	
.... .1..	WMJRC118			"BIT5" DEVICE RELATED MESSAGE	
.... ..1.	WMJRC119			"BIT6" DEVICE RELATED MESSAGE	
.... ...1	WMJRC120			"BIT7" DEVICE RELATED MESSAGE	
239	(EF)			BITSTRING	1		WMJMRC16	BYTE 16 - EXTENDED ROUTING CODES
		1...	WMJRC121	"BIT0" DEVICE RELATED MESSAGE	
		.1..	WMJRC122	"BIT1" DEVICE RELATED MESSAGE	
		..1.	WMJRC123	"BIT2" DEVICE RELATED MESSAGE	
		...1	WMJRC124	"BIT3" DEVICE RELATED MESSAGE	
		.... 1...	WMJRC125	"BIT4" DEVICE RELATED MESSAGE
		.... .1..	WMJRC126	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.	WMJRC127	"BIT6" DEVICE RELATED MESSAGE
		.... ...1	WMJRC128	"BIT7" DEVICE RELATED MESSAGE
		240	(F0)	CHARACTER		8	WMJMKEY	RETRIEVAL KEY
248	(F8)	SIGNED	4	WMJMTOKN	TOKEN FOR DOM
252	(FC)	CHARACTER	4	WMJMCNID	FULLWORD CONSOLE ID Note: This console id may not have a console name associated with it. The console id itself may not correspond to a real console. Console ids 00FFFFFFx and 000000FFx are examples of this.
256	(100)	CHARACTER	8	WMJMOJBI	ORIGINATING JOB ID
264	(108)	CHARACTER	8	WMJMOJBN	ORIGINATING JOB NAME
272	(110)	ADDRESS	2	WMJMPRTY	Reserved - No longer used. Will be deleted in a future release
274	(112)	CHARACTER	8	WMJAUTOT	AUTOMATION TOKEN VALUE
282	(11A)	CHARACTER	4	WMJERFS (0)	EXTENDED REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
282	(11A)	BITSTRING	1	WMJMRF1	REQUEST FLAGS BYTE ONE

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		WMJEMRY	"X'80" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1.		WMJEMRN	"X'40" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		..1.		WMJEMCO	"X'20" REQUEST TO CHANGE MESSAGE COLOR
		...1		WMJEMHI	"X'10" REQUEST TO CHANGE MESSAGE HIGHLIGHTING
		.... 1..		WMJEMIN	"X'08" REQUEST TO CHANGE MESSAGE INTENSITY
283	(11B)	BITSTRING	1	WMJERF2	REQUEST FLAGS BYTE TWO
284	(11C)	BITSTRING	1	WMJERF3	REQUEST FLAGS BYTE THREE
		1...		WMJESJL	"X'80" REQUEST TO SUPPRESS MESSAGE FROM THE JOBLOG
		.1.		WMJNWTW	"X'40" REQUEST TO NOT DO WTP PROCESSING (NO SYMSMG OR TPUT)
285	(11D)	BITSTRING	1	WMJERF4	REQUEST FLAGS BYTE FOUR
286	(11E)	BITSTRING	1	WMJJ3RTC	JES3 GLOBAL ROUTING - FOR USE BY JES3 ONLY
287	(11F)	BITSTRING	1	WMJJ3MRC	GLOBAL MESSAGE ROUTING CONTROLS - FOR USE BY JES3 ONLY
288	(120)	BITSTRING	2	WMJJ3CON	JES3 CONSOLE ID (FOR MINOR WQE PROCESSING) - FOR USE BY JES3 ONLY
290	(122)	CHARACTER	8	WMJMCNME	CONSOLE NAME
298	(12A)	CHARACTER	8	WMJMCART	CART ADDRESS
306	(132)	CHARACTER	2	WMJMXIF (0)	MISCELLANEOUS AND MINOR ERROR INFORMATION FLAGS
306	(132)	BITSTRING	1	WMJMXIF1	MISC AND MINOR ERROR FLAG BYTE 1
		1...		WMJMTXTR	"BIT0" MESSAGE TEXT WAS TRUNCATED
		.1.		WMJMXNVT	"BIT1" INVALID USER EXIT TEXT MODIFICATION
		..1.		WMJMXMER	"BIT2" MUTUALLY EXCLUSIVE USER EXIT REQUESTS MADE
		...1		WMJMXIRM	"BIT3" INCOMPATIBLE USER EXIT REQUESTS MADE
		.... 1..		WMJMDMDB	"BIT4" DOM MDBS HAVE BEEN BUILT
307	(133)	BITSTRING	1	WMJMXIF2	MISC AND MINOR ERROR FLAG BYTE 2
		1...		WMJRSV95	"BIT0" Reserved - Was WMJQONLY
		.1.		WMJAMRFO	"BIT1" WQE IS FOR AMRF PURPOSES ONLY
		..1.		WMJAMRFA	"BIT2" AMRF IS ACTIVE ON ISSUING SYSTEM
		...1		WMJMQD	"BIT3" WQE WENT THROUGH QUEUEING ALREADY
		.... 1..		WMJMWTPR	"BIT4" WTP REQUEST - ROUTE CODE 11 WAS ON AFTER CALLING WTO USER EXIT
		.... .1..		WMJMMFR	"BIT5" WQE WAS MODIFIED FOR REISSUE BY QUEUEING
		.... ..1.		WMJAMRFR	"BIT6" ISSUED FOR AMRF REFRESH
		.... ...1		WMJQTSYS	"BIT7" QUEUE MESSAGE JUST ON THIS SYSTEM
308	(134)	SIGNED	4	WMJMRSV67	Reserved (was WMJMXTUC)
312	(138)	CHARACTER	1	WMJMRSV42	Reserved
313	(139)	SIGNED	1	WMJM_AUTOR_REPLY_LEN	Reply length for auto-reply
314	(13A)	SIGNED	2	WMJM_AUTOR_DELAY	Auto-reply delay time
316	(13C)	BITSTRING	1	WMJBENIP	BRANCH ENTRY/NIP FLAGS
		1...		WMJMDOMD	"BIT0" MESSAGE HAS PREVIOUSLY BEEN DOM'D
		.1.		WMJMNBW	"BIT1" WQE CREATED BY NIP OR BE WTO
		..1.		WMJMHAD	"BIT2" HAS ALREADY BEEN DISPLAYED
		...1		WMJMASC	"BIT3" ASCB SPECIFIED
		.... 1..		WMJMDFSL	"BIT4" SLIP processing deferred until reissue
317	(13D)	BITSTRING	1	WMJQDSYS	WQE DESTINATIONS COUNTER
318	(13E)	CHARACTER	1	WMJCASEL	MESSAGE COLOR
319	(13F)	CHARACTER	1	WMJHASEL	MESSAGE HIGHLIGHTING
320	(140)	CHARACTER	1	WMJIASEL	MESSAGE INTENSITY

Comment

MISCELLANEOUS ROUTING INFORMATION

End of Comment

321	(141)	BITSTRING	1	WMJMMISC	MISCELLANEOUS ROUTING INFORMATION
		1...		WMJMRV44	"BIT0" Reserved - Was WMJMUD
		.1.		WMJMRV45	"BIT1" Reserved - Was WMJMFUDO
		..1.		WMJMFIDO	"BIT2" QUEUE BY ID ONLY
		...1		WMJMAUTO	"BIT3" QUEUE BY AUTOMATION
		.... 1..		WMJMHC	"BIT4" QUEUE BY HARDCOPY
		.... .1..		WMJMINTC	"BIT5" Directed to INTIDS (Console ID ZERO)
		.... ..1.		WMJMUNKC	"BIT6" Directed to UNKNIDS (Unknown CNID)
322	(142)	BITSTRING	2	WMJMNTSNT	TOTAL COUNT OF TDPS SENT OUT FOR THIS MULTI-LINE
324	(144)	SIGNED	4	WQERSVDB	RESERVED - MAPS TO WQERPYIB
328	(148)	BITSTRING	4	WMJMNTS3	STCK FORM OF TIME STAMP Note - if task has been in a wait for resources, this is the time after returning from the wait
332	(14C)	BITSTRING	4	WMJMFTOD	AMRF FAILURE TIME
336	(150)	CHARACTER	8		Reserved - Was WMJMQLST
344	(158)	ADDRESS	1	WMJMRLD	LENGTH OF REPLY ID IN MESSAGE TEXT
345	(159)	BITSTRING	1	WMJMISCC	MISCELLANEOUS CONTROL PROGRAM FLAGS
		1...		WMJMSPVD	"BIT0" WQE BACKLOG MESSAGE
		.1.		WMJMPRIV	"BIT1" Original issuer was privileged
		..1.		WMJMQLNY	"BIT2" Send to console and nowhere else

WQE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
345	(159)	X'10'	0	WMJM_AUTOR_DATA_VALID	"Bit3" WQE contains valid auto-reply data
345	(159)	X'8'	0	WMJM_AUTOR_DELAY_IN_SEC	"Bit4" Auto-reply delay time is in seconds
346	(15A)	CHARACTER	2	WMJMCENT	Century portion of date, in EBCDIC
348	(15C)	BITSTRING	4	WMJMMLTOD	Stick time last minor added to MLWTO
352	(160)	CHARACTER	4	WMJM_ACRO	Acronym 'WQE '
356	(164)	CHARACTER	16	WMJM_ISSUED_ETOD	Time message issued. In STCKE format
372	(174)	CHARACTER	64	WMJM_AUTOR_REPLY	Auto-reply reply
436	(1B4)	CHARACTER	28	WMJMRSV100	Reserved
436	(1B4)	X'1D0'	0	WMJM_SIZE	"*-WMJM" - SIZE OF MAJOR WQE ICB433

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WQEMIN	, - MINOR WQE
0	(0)	X'0'	0	WMNM	*** - START OF MINOR WQE
0	(0)	ADDRESS	4	WMNMNX1 (0)	POINTER TO SECOND HALF OF WQE
0	(0)	ADDRESS	4	WMNMNEXTMINOR1	POINTER TO SECOND HALF OF WQE
4	(4)	BITSTRING	1	WMNMML1	- MLWTO FLAGS FOR FIRST MESSAGE
		1... ..		WQERSV62	"BIT0,,C'X'" - RESERVED
		.1.		WMNMML1B	"BIT1" - MAJOR WQE
		..1.		WMNMML1C	"BIT2" - MINOR WQE
		...1		WMNMML1D	"BIT3" - CHAIN ALTERED
		.... 1...		WMNMML1E	"BIT4" - WTL ISSUED
		.... .1.		WMNMML1F	"BIT5" - MINOR WQE FOR ABEND ICB433
		.... ..1.		WMNMML1G	"BIT6" - SERVICE THIS CHAIN
		.... ...1		WMNMML1H	"BIT7" - MINOR WQE ACQUIRED BY GETMAIN ICB461
5	(5)	BITSTRING	1	WMNMLT1	- LINE TYPE FLAGS FOR FIRST MESSAGE
		1... ..		WMNMLT1A	"BIT0" - CONTROL LINE
		.1.		WMNMLT1B	"BIT1" - LABEL LINE
		..1.		WMNMLT1C	"BIT2" - DATA LINE
		...1		WMNMLT1D	"BIT3" - END INDICATOR
		.... 1...		WQERSV63	"BIT4,,C'X'" - RESERVED (Used by MDB)
		.... .1.		WMNMLT1F	"BIT5" - Verbose (optional) line
		.... ..1.		WQERSV65	"BIT6,,C'X'" - RESERVED
		.... ...1		WQERSV66	"BIT7,,C'X'" - RESERVED
6	(6)	SIGNED	1	WMNMLTH1	LENGTH OF 1 MINOR WQE
7	(7)	SIGNED	1	WMNMML1	- LENGTH OF FIRST MESSAGE TEXT
8	(8)	CHARACTER	4	WMNMHCT1	- HARDCOPY ID FOR FIRST MESSAGE
12	(C)	CHARACTER	72	WMNMTEXT1	- FIRST MESSAGE TEXT (MAX 72 BYTES)
84	(54)	BITSTRING	1	WMNMST1	- STATUS FLAGS
		1... ..		WMNMTPD1	"BIT0" - TPUT DONE
		.1.		WMNMTRC1	"BIT1" - FIRST MINOR WQE HAS BEEN MASTER TRACED
		..1.		WMNMWTP1	"BIT2" - MINOR 1 TEXT HAS BEEN PUT/TPUT BY CNZS1WTP - DON'T DO IT AGAIN
		...1		WQERSVB1	"BIT3,,C'X'" - RESERVED
		.... 1...		WQERSVB2	"BIT4,,C'X'" - RESERVED
		.... .1.		WQERSVB3	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSVB4	"BIT6,,C'X'" - RESERVED
		.... ...1		WQERSVB5	"BIT7,,C'X'" - RESERVED
85	(55)	BITSTRING	1	WMNMMSF1	MISCELLANEOUS FLAGS
		1... ..		WMNMRV99	"BIT0" RESERVED
		.1.		WMNMRV9A	"BIT1" RESERVED
		..1.		WMNMTRAN	"BIT2" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
86	(56)	SIGNED	2	WMNMUC1	USE COUNT 1
88	(58)	SIGNED	4	WMNMSEQ1	SEQUENCE NUMBER (CONNECT ID)
92	(5C)	CHARACTER	4	WMN1XMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
92	(5C)	CHARACTER	3	WMN1FLGS (0)	COMM TASK USER EXIT REQUESTS
92	(5C)	BITSTRING	1	WMN1RFB1	REQUEST FLAGS BYTE ONE
		1... ..		WMN1RCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1.		WQERSV81	"BIT1" Reserved - Equivalence in Major WQE
		..1.		WQERSV82	"BIT2" Reserved - Equivalence in Major WQE
		...1		WQERSV83	"BIT3" Reserved - Equivalence in Major WQE
		.... 1...		WQERSV84	"BIT4" Reserved - Equivalence in Major WQE
		.... .1.		WQERSV85	"BIT5" Reserved - Equivalence in Major WQE
		.... ..1.		WQERSV86	"BIT6" Reserved - Equivalence in Major WQE
		.... ...1		WMN1RPML	"BIT7" PROCESS THE MINOR LINES
93	(5D)	BITSTRING	1	WMN1RFB2	REQUEST FLAGS BYTE TWO

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
94	(5E)	BITSTRING	1	WMN1RFB3	Request flags byte three
		.... .1.		WMN1QHCO	"BIT6" Message issued as hardcopy only
95	(5F)	BITSTRING	1	WMN1SUPB	SUPPRESSION BYTE
		1...		WMN1SNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMN1SEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WMN1SNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMN1SAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMN1_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1..		WMN1SSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... .1.		WMN1SWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		.... ..1		WMN1SMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
96	(60)	ADDRESS	4	WMNMNX2 (0)	ADDRESS OF NEXT MINOR WQE OR ZERO
96	(60)	ADDRESS	4	WMNMNEXTMINOR2	ADDRESS OF NEXT MINOR WQE OR ZERO
100	(64)	BITSTRING	1	WMNMML2	- MLWTO FLAGS FOR SECOND MESSAGE
		1...		WQERSV68	"BIT0,,C'X'" - RESERVED
		.1..		WMNMML2B	"BIT1" - MAJOR WQE
		..1.		WMNMML2C	"BIT2" - MINOR WQE
		...1		WMNMML2D	"BIT3" - CHAIN ALTERED
		.... 1...		WMNMML2E	"BIT4" - WTL ISSUED
		.... .1..		WQERSV69	"BIT5,,C'X'" - RESERVED
		.... .1.		WMNMML2G	"BIT6" - SERVICE THIS CHAIN
		.... ..1		WMNMRSV1	"BIT7" - RESERVED - WAS WMNMML2H
101	(65)	BITSTRING	1	WMNMLT2	- LINE TYPE FLAGS FOR SECOND MESSAGE
		1...		WMNMLT2A	"BIT0" - CONTROL LINE
		.1..		WMNMLT2B	"BIT1" - LABEL LINE
		..1.		WMNMLT2C	"BIT2" - DATA LINE
		...1		WMNMLT2D	"BIT3" - END INDICATOR
		.... 1...		WQERSV70	"BIT4,,C'X'" - RESERVED (Used by MDB)
		.... .1..		WMNMLT2F	"BIT5" Verbose (optional) line
		.... .1.		WQERSV72	"BIT6,,C'X'" - RESERVED
		.... ..1		WQERSV73	"BIT7,,C'X'" - RESERVED
102	(66)	SIGNED	1	WMNMLTH2	LENGTH OF 1 MINOR WQE
103	(67)	SIGNED	1	WMNMTL2	- LENGTH OF SECOND MESSAGE TEXT
104	(68)	CHARACTER	4	WMNMHCT2	- HARDCOPY ID FOR SECOND MESSAGE
108	(6C)	CHARACTER	72	WMNMXT2	- SECOND MESSAGE TEXT (MAX 72 BYTES)
180	(B4)	BITSTRING	1	WMNMST2	- STATUS FLAGS
		1...		WMNMTPD2	"BIT0" - TPUT DONE
		.1..		WMNMTRC2	"BIT1" - SECOND MINOR WQE HAS BEEN MASTER TRACED
		..1.		WMNMWTP2	"BIT2" - MINOR 2 TEXT HAS BEEN PUT/TPUT BY CNZS1WTP - DON'T DO IT AGAIN
		...1		WQERSVC1	"BIT3,,C'X'" - RESERVED
		.... 1...		WQERSVC2	"BIT4,,C'X'" - RESERVED
		.... .1..		WQERSVC3	"BIT5,,C'X'" - RESERVED
		.... .1.		WQERSVC4	"BIT6,,C'X'" - RESERVED
		.... ..1		WQERSVC5	"BIT7,,C'X'" - RESERVED
181	(B5)	BITSTRING	1	WMN2MSF2	RESERVED
182	(B6)	SIGNED	2	WMNMUC2	USE COUNT 2
184	(B8)	SIGNED	4	WMNMSEQ2	SEQUENCE NUMBER (CONNECT ID)
188	(BC)	CHARACTER	4	WMN2XMOD (0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
188	(BC)	CHARACTER	3	WMN2FLGS (0)	COMM TASK USER EXIT REQUESTS
188	(BC)	BITSTRING	1	WMN2RFB1	REQUEST FLAGS BYTE ONE
		1...		WMN2RCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WQERSV87	"BIT1" Reserved - Equivalence in Major WQE
		..1.		WQERSV88	"BIT2" Reserved - Equivalence in Major WQE
		...1		WQERSV89	"BIT3" Reserved - Equivalence in Major WQE
		.... 1...		WQERSV90	"BIT4" Reserved - Equivalence in Major WQE
		.... .1..		WQERSV91	"BIT5" Reserved - Equivalence in Major WQE
		.... .1.		WQERSV92	"BIT6" Reserved - Equivalence in Major WQE
		.... ..1		WMN2RPML	"BIT7" PROCESS MINOR LINES
189	(BD)	BITSTRING	1	WMN2RFB2	REQUEST FLAGS BYTE TWO
190	(BE)	BITSTRING	1	WMN2RFB3	Request flags byte three
		.... .1.		WMN2QHCO	"BIT6" Message issued as hardcopy only
191	(BF)	BITSTRING	1	WMN2SUPB	SUPPRESSION BYTE
		1...		WMN2SNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMN2SEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WMN2SNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMN2SAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMN2_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1..		WMN2SSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... .1.		WMN2SWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE

WQE Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.... .1		WMN2SMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
192	(C0)	SIGNED	4	WMNM1R99 (4)	RESERVED
208	(D0)	SIGNED	4	WMNM2R99 (4)	RESERVED
224	(E0)	CHARACTER	128	WMNMRSVD	RESERVED
352	(160)	CHARACTER	4	WMNM_ACRO	Acronym 'WQE '
356	(164)	CHARACTER	108	WMNMRSV100	Reserved
356	(164)	X'1D0'	0	WMNMSIZE	"*-WMNM" - SIZE OF MINOR WQE ICB433
356	(164)	X'60'	0	WMNMMSIZ	"WMNMNX2-WMNMNX1" - Minor WQE msg section length

WQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IHAWQE_KHBB7770_WQESIZE	BB	1D0	WMJMBOFA	A3	80
IHAWQE_KJBB7727_WQESIZE	BB	180	WMJMBOFB	A3	40
IHAWQE_KOW32623_WQESIZE	BB	160	WMJMBOFC	A3	20
WMJAMRFA	133	20	WMJMBOFD	A3	10
WMJAMRFO	133	40	WMJMBOFE	A3	8
WMJAMRFR	133	2	WMJMBOFF	A3	4
WMJAUTOT	112		WMJMBOFG	A3	2
WMJAUTOV	B5	4	WMJMCART	12A	
WMJBENIP	13C		WMJMCENT	15A	
WMJCASEL	13E		WMJMCE1	C2	
WMJCHAR1	B2		WMJMCE2	C3	
WMJDLVRD	B3	80	WMJMCNID	FC	
WMJDNDWQ	B3	40	WMJMCNM	C2	2
WMJDSQN	DC		WMJMCNME	122	
WMJECONN	C2	10	WMJMCNS	94	20
WMJECONS	C2	40	WMJMCS	AC	
WMJEMCO	11A	20	WMJMCS1	AC	
WMJEMHI	11A	10	WMJMCS1A	AC	80
WMJEMIN	11A	8	WMJMCS1B	AC	40
WMJEMRN	11A	40	WMJMCS1C	AC	20
WMJEMRY	11A	80	WMJMCS1D	AC	10
WMJERFS	11A		WMJMCS1E	AC	8
WMJERF2	11B		WMJMCS1F	AC	4
WMJERF3	11C		WMJMCS1G	AC	2
WMJERF4	11D		WMJMCS2	AD	
WMJESJL	11C	80	WMJMCS2A	AD	80
WMJEWTOR	C2	8	WMJMCS2B	AD	40
WMJFLG1	B5		WMJMCS2C	AD	20
WMJFLG11	B5	80	WMJMCS2D	AD	10
WMJHASEL	13F		WMJMCS2E	AD	8
WMJIASEL	140		WMJMCS2F	AD	4
WMJJ3B1	B3	10	WMJMCS2G	AD	2
WMJJ3B2	B3	8	WMJMCS2H	AD	1
WMJJ3CON	120		WMJMDATE	CC	
WMJJ3MRC	11F		WMJMDEC	B8	
WMJJ3RTC	11E		WMJMDECA	B8	80
WMJM	0	0	WMJMDECB	B8	40
WMJM_ACRO	160		WMJMDECC	B8	20
WMJM_AUTOR_DATA_VALID	159	10	WMJMDECD	B8	10
WMJM_AUTOR_DELAY	13A		WMJMDECE	B8	8
WMJM_AUTOR_DELAY_IN_SEC	159	8	WMJMDECF	B8	4
WMJM_AUTOR_REPLY	174		WMJMDECG	B8	2
WMJM_AUTOR_REPLY_LEN	139		WMJMDECH	B8	1
WMJM_ISSUED_ETOD	164		WMJMDECI	B9	80
WMJM_PROCESSED_BY_MFA	D7	8	WMJMDECJ	B9	40
WMJMAREA	5		WMJMDECK	B9	20
WMJMASCB	13C	10	WMJMDECL	B9	10
WMJMASID	A1		WMJMDECM	B9	8
WMJMAUTO	141	10	WMJMDEC1	B8	
WMJMBOFA	A3		WMJMDEC2	B9	
			WMJMDEC3	BA	
			WMJMDEC4	BB	
			WMJMDFSL	13C	8
			WMJMDMDB	132	8
			WMJMDOMD	13C	80
			WMJMDSB	A0	
			WMJMDSPA	A0	80
			WMJMDSPB	A0	40
			WMJMDSPC	A0	20

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WMJMDSPD	A0	10	WMJMPSB1	94	10
WMJMDSPE	A0	8	WMJMQD	133	10
WMJMDSPF	A0	4	WMJMQHCO	D6	2
WMJMDSPG	A0	2	WMJMQNLY	159	20
WMJMDSPH	A0	1	WMJMRBCA	D5	4
WMJMECBF	94		WMJMRBCN	D5	2
WMJMERC	E0		WMJMRCDC	D4	20
WMJMERF1	11A		WMJMRCFC	D6	20
WMJMEXT	0		WMJMRCY	D6	40
WMJMFIDO	141	20	WMJMRCMF	D6	10
WMJMFLGS	D4		WMJMRCMT	D4	80
WMJMFLG2	C1		WMJMRCRC	D4	40
WMJMFLG3	B3		WMJMRCRTA	B0	80
WMJMFORN	C1	20	WMJMRCRTB	B0	40
WMJMFTOD	14C		WMJMRCRTC	B0	20
WMJMHABD	13C	20	WMJMRCRTD	B0	10
WMJMHC	141	8	WMJMRCRTE	B0	8
WMJMHCID	67		WMJMRCRTE	B0	4
WMJMINTC	141	4	WMJMRCRTE	B0	2
WMJMISCC	159		WMJMRCRTH	B0	1
WMJMJBNM	16		WMJMRCRTI	B1	80
WMJMJTCB	BC		WMJMRCRTJ	B1	40
WMJMKEY	F0		WMJMRCRTK	B1	20
WMJMLCPL	C1	40	WMJMRCRTL	B1	10
WMJMLENG	DA		WMJMRCRTM	B1	8
WMJMLTOD	15C		WMJMRCRTN	B1	4
WMJMLTYA	86	80	WMJMRCRTO	B1	2
WMJMLTYB	86	40	WMJMRCRTP	B1	1
WMJMLTYC	86	20	WMJMRCRT1	B0	
WMJMLTYD	86	10	WMJMRCRT2	B1	
WMJMLTYF	86	4	WMJMRC1	E0	
WMJMLTYP	86		WMJMRC10	E9	
WMJMLTY1	86		WMJMRC11	EA	
WMJMLTY2	87		WMJMRC12	EB	
WMJMMAJD	94	40	WMJMRC13	EC	
WMJM MFR	133	4	WMJMRC14	ED	
WMJM MIN	88		WMJMRC15	EE	
WMJM MISC	141		WMJMRC16	EF	
WMJMMLBC	D8	4	WMJMRC2	E1	
WMJMMLCE	D8	20	WMJMRC3	E2	
WMJMMLE	D8	10	WMJMRC4	E3	
WMJMMLI	D8	8	WMJMRC5	E4	
WMJMMLIA	D8	40	WMJMRC6	E5	
WMJMMLR	D8	80	WMJMRC7	E6	
WMJMMLVL	D8		WMJMRC8	E7	
WMJMMLW	4		WMJMRC9	E8	
WMJMMLWA	4	80	WMJM RDTM	D5	80
WMJMMLWB	4	40	WMJMRESA	6C	
WMJMMLWC	4	20	WMJMRETN	B5	40
WMJMMLWD	4	10	WMJM RFB1	D4	
WMJMMLWE	4	8	WMJM RFB2	D5	
WMJMMLWF	4	4	WMJM RFB3	D6	
WMJMMLWG	4	2	WMJM RFHC	D5	20
WMJMMLWH	4	1	WMJM RFNC	D5	10
WMJMML1	D8		WMJM RHCO	D5	8
WMJMML2	D9		WMJM RIDL	158	
WMJMMSGN	90		WMJM RISS	B5	1
WMJM MT	AE		WMJM RNRT	D5	1
WMJM MT1	AE		WMJM ROMS	D5	40
WMJM MT1A	AE	80	WMJM RPML	D4	1
WMJM MT1B	AE	40	WMJM RQPC	D4	10
WMJM MT1D	AE	10	WMJM RQRC	D4	4
WMJM MT1F	AE	4	WMJM RQUN	D4	8
WMJM MT2	AF		WMJM RRRT	D6	80
WMJM NBEW	13C	40	WMJM RSV100	1B4	
WMJM NMOD	B5	20	WMJM RSV42	138	
WMJM OJBI	100		WMJM RSV67	134	
WMJM OJBN	108		WMJM RTC	B0	
WMJM PAD	C		WMJM RTCT	8	
WMJM PAD1	15		WMJM RV1A	C3	8
WMJM PAD2	1E		WMJM RV1B	C3	4
WMJM PAD3	6B		WMJM RV1C	C3	2
WMJM PRIV	159	40	WMJM RV1D	C3	1
WMJM PRTY	110		WMJM RV43	D6	1

WQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WMJMRV44	141	80	WMJRC105	ED	80
WMJMRV45	141	40	WMJRC106	ED	40
WMJMRV9A	94	8	WMJRC107	ED	20
WMJMRV9B	C3	20	WMJRC108	ED	10
WMJMRV9C	C3	10	WMJRC109	ED	8
WMJMRV9D	8C		WMJRC11	E1	20
WMJMRV9E	94	80	WMJRC110	ED	4
WMJMRV93	C2	20	WMJRC111	ED	2
WMJMRV94	C2	4	WMJRC112	ED	1
WMJMSAUT	D7	10	WMJRC113	EE	80
WMJMSEER	D7	40	WMJRC114	EE	40
WMJMSEQ	A9		WMJRC115	EE	20
WMJMSEQ#	A8		WMJRC116	EE	10
WMJMSEER	7A		WMJRC117	EE	8
WMJMSERA	7A	80	WMJRC118	EE	4
WMJMSEERB	7A	40	WMJRC119	EE	2
WMJMSEERC	7A	20	WMJRC12	E1	10
WMJMSEERD	7A	10	WMJRC120	EE	1
WMJMSEERE	7A	8	WMJRC121	EF	80
WMJMSEER1	7A		WMJRC122	EF	40
WMJMSEER2	7B		WMJRC123	EF	20
WMJMSID	A8		WMJRC124	EF	10
WMJMSSIZE	1B4	1D0	WMJRC125	EF	8
WMJMSSMPF	D7	1	WMJRC126	EF	4
WMJMSSNM	C4		WMJRC127	EF	2
WMJMSSNSI	D7	20	WMJRC128	EF	1
WMJMSSNSV	D7	80	WMJRC13	E1	8
WMJMSSPVD	159	80	WMJRC14	E1	4
WMJMSSSI	D7	4	WMJRC15	E1	2
WMJMSSUPB	D7		WMJRC16	E1	1
WMJMSSWTO	D7	2	WMJRC17	E2	80
WMJMTCB	A4		WMJRC18	E2	40
WMJMTOKN	F8		WMJRC19	E2	20
WMJMTRAN	C1	10	WMJRC2	E0	40
WMJMTRCD	A3	1	WMJRC20	E2	10
WMJMTRS	D		WMJRC21	E2	8
WMJMTRSNT	142		WMJRC22	E2	4
WMJMTRS2	D1		WMJRC23	E2	2
WMJMTRS3	148		WMJRC24	E2	1
WMJMTRXT	1F		WMJRC25	E3	80
WMJMTRXTA	C3	80	WMJRC26	E3	40
WMJMTRXTL	6		WMJRC27	E3	20
WMJMTRXTR	132	80	WMJRC28	E3	10
WMJMUC	A		WMJRC29	E3	8
WMJMUNKC	141	2	WMJRC3	E0	20
WMJMVRSN	C0		WMJRC30	E3	4
WMJMWTP	94	4	WMJRC31	E3	2
WMJMWTPR	133	8	WMJRC32	E3	1
WMJMXIF	132		WMJRC33	E4	80
WMJMXIF1	132		WMJRC34	E4	40
WMJMXIF2	133		WMJRC35	E4	20
WMJMXIRM	132	10	WMJRC36	E4	10
WMJMXMER	132	20	WMJRC37	E4	8
WMJMXMOD	D4		WMJRC38	E4	4
WMJMXNVT	132	40	WMJRC39	E4	2
WMJNOJLG	B5	8	WMJRC4	E0	10
WMJNSHIP	C3	40	WMJRC40	E4	1
WMJNSYL	B3	20	WMJRC41	E5	80
WMJNWTP	11C	40	WMJRC42	E5	40
WMJPPNA	B5	2	WMJRC43	E5	20
WMJQDSYS	13D		WMJRC44	E5	10
WMJQEXT	C1	2	WMJRC45	E5	8
WMJQMCS	C1	1	WMJRC46	E5	4
WMJQTSYS	133	1	WMJRC47	E5	2
WMJQXSYS	C1	4	WMJRC48	E5	1
WMJFRANO	D6	8	WMJRC49	E6	80
WMJFRAYS	D6	4	WMJRC5	E0	8
WMJRC1	E0	80	WMJRC50	E6	40
WMJRC10	E1	40	WMJRC51	E6	20
WMJRC100	EC	10	WMJRC52	E6	10
WMJRC101	EC	8	WMJRC53	E6	8
WMJRC102	EC	4	WMJRC54	E6	4
WMJRC103	EC	2	WMJRC55	E6	2
WMJRC104	EC	1	WMJRC56	E6	1

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WMJRC57	E7	80	WMNMML1B	4	40
WMJRC58	E7	40	WMNMML1C	4	20
WMJRC59	E7	20	WMNMML1D	4	10
WMJRC6	E0	4	WMNMML1E	4	8
WMJRC60	E7	10	WMNMML1F	4	4
WMJRC61	E7	8	WMNMML1G	4	2
WMJRC62	E7	4	WMNMML1H	4	1
WMJRC63	E7	2	WMNMML2	64	
WMJRC64	E7	1	WMNMML2B	64	40
WMJRC65	E8	80	WMNMML2C	64	20
WMJRC66	E8	40	WMNMML2D	64	10
WMJRC67	E8	20	WMNMML2E	64	8
WMJRC68	E8	10	WMNMML2G	64	2
WMJRC69	E8	8	WMNMMSF1	55	
WMJRC7	E0	2	WMNMMSIZ	164	60
WMJRC70	E8	4	WMNMNEXTMINOR1		
WMJRC71	E8	2		0	
WMJRC72	E8	1	WMNMNEXTMINOR2		
WMJRC73	E9	80		60	
WMJRC74	E9	40	WMNMNX1	0	
WMJRC75	E9	20	WMNMNX2	60	
WMJRC76	E9	10	WMNMRSVD	E0	
WMJRC77	E9	8	WMNMRSV1	64	1
WMJRC78	E9	4	WMNMRSV100	164	
WMJRC79	E9	2	WMNMRV9A	55	40
WMJRC8	E0	1	WMNMRV99	55	80
WMJRC80	E9	1	WMNMSEQ1	58	
WMJRC81	EA	80	WMNMSEQ2	B8	
WMJRC82	EA	40	WMNMSIZE	164	1D0
WMJRC83	EA	20	WMNMST1	54	
WMJRC84	EA	10	WMNMST2	B4	
WMJRC85	EA	8	WMNMTL1	7	
WMJRC86	EA	4	WMNMTL2	67	
WMJRC87	EA	2	WMNMTPD1	54	80
WMJRC88	EA	1	WMNMTPD2	B4	80
WMJRC89	EB	80	WMNMTRAN	55	20
WMJRC9	E1	80	WMNMTRC1	54	40
WMJRC90	EB	40	WMNMTRC2	B4	40
WMJRC91	EB	20	WMNMTXT1	C	
WMJRC92	EB	10	WMNMTXT2	6C	
WMJRC93	EB	8	WMNMUC1	56	
WMJRC94	EB	4	WMNMUC2	B6	
WMJRC95	EB	2	WMNMWTP1	54	20
WMJRC96	EB	1	WMNMWTP2	B4	20
WMJRC97	EC	80	WMNM1R99	C0	
WMJRC98	EC	40	WMNM2R99	D0	
WMJRC99	EC	20	WMN1_PROCESSED_BY_MFA		
WMJRSV40	C2	80		5F	8
WMJRSV76	D4	2	WMN1FLGS	5C	
WMJRSV77	AC	1	WMN1QHCO	5E	2
WMJRSV79	B5	10	WMN1RCMT	5C	80
WMJRSV95	133	80	WMN1RFB1	5C	
WMJRSV96	C1	80	WMN1RFB2	5D	
WMJSUPSJ	C1	8	WMN1RFB3	5E	
WMJ1BID	B4		WMN1RPML	5C	1
WMNM	0	0	WMN1SAUT	5F	10
WMNM_ACRO	160		WMN1SEER	5F	40
WMNMHCT1	8		WMN1SMPF	5F	1
WMNMHCT2	68		WMN1SNSI	5F	20
WMNMLTH1	6		WMN1SNSV	5F	80
WMNMLTH2	66		WMN1SSSI	5F	4
WMNMLT1	5		WMN1SUPB	5F	
WMNMLT1A	5	80	WMN1SWTO	5F	2
WMNMLT1B	5	40	WMN1XMOD	5C	
WMNMLT1C	5	20	WMN2_PROCESSED_BY_MFA		
WMNMLT1D	5	10		BF	8
WMNMLT1F	5	4	WMN2FLGS	BC	
WMNMLT2	65		WMN2MSF2	B5	
WMNMLT2A	65	80	WMN2QHCO	BE	2
WMNMLT2B	65	40	WMN2RCMT	BC	80
WMNMLT2C	65	20	WMN2RFB1	BC	
WMNMLT2D	65	10	WMN2RFB2	BD	
WMNMLT2F	65	4	WMN2RFB3	BE	
WMNMML1	4		WMN2RPML	BC	1

WQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WMN2SAUT	BF	10	WQEDSQN	DC	
WMN2SEER	BF	40	WQECONN	C2	10
WMN2SMPF	BF	1	WQEECONS	C2	40
WMN2SNSI	BF	20	WQEEDBCS	C3	20
WMN2SNSV	BF	80	WQEEIDBC	C3	10
WMN2SSSI	BF	4	WQEEMCO	11A	20
WMN2SUPB	BF		WQEEMHI	11A	10
WMN2SWTO	BF	2	WQEEMIN	11A	8
WMN2XMOD	BC		WQEEMRN	11A	40
WQE	0		WQEEMRY	11A	80
WQE_ACRO	160		WQEERC	E0	
WQE_AUTOR_DATA_VALID			WQEERCROUT	E0	
	159	10	WQEERC1	E0	
WQE_AUTOR_DELAY			WQEERC10	E9	
	13A		WQEERC11	EA	
WQE_AUTOR_DELAY_IN_SEC			WQEERC12	EB	
	159	8	WQEERC13	EC	
WQE_AUTOR_REPLY			WQEERC14	ED	
	174		WQEERC15	EE	
WQE_AUTOR_REPLY_LEN			WQEERC16	EF	
	139		WQEERC2	E1	
WQE_ISSUED_ETOD			WQEERC3	E2	
	164		WQEERC4	E3	
WQE_PROCESSED_BY_MFA			WQEERC5	E4	
	D7	8	WQEERC6	E5	
WQEAMRFA	133	20	WQEERC7	E6	
WQEAMRFO	133	40	WQEERC8	E7	
WQEAMRFR	133	2	WQEERC9	E8	
WQEASCB	13C	10	WQEERFS	11A	
WQEASID	A1		WQEERF1	11A	
WQEAUTH	A0	1	WQEERF2	11B	
WQEAUTO	141	10	WQEERF3	11C	
WQEAUTOT	112		WQEERF4	11D	
WQEAUTOV	B5	4	WQEESJL	11C	80
WQEAVAL	A3		WQEESYNC	C3	4
WQEBENIP	13C		WQEETXTA	C3	80
WQEBUFA	A3	80	WQEEWTOR	C2	8
WQEBUFB	A3	40	WQEFIDO	141	20
WQEBUFC	A3	20	WQEFLG1	B5	
WQEBUFE	A3	8	WQEFLG2	C1	
WQEBUFF	A3	4	WQEFLG3	B3	
WQEBUFG	A3	2	WQEFORN	C1	20
WQECART	12A		WQEFTOD	14C	
WQECASEL	13E		WQEHASEL	13F	
WQECENT	15A		WQEHBB7730	C0	14
WQECHAR1	B2		WQEHBB7770	C0	1E
WQECNID	FC		WQEHC	141	8
WQECNM	C2	2	WQEIASEL	140	
WQECNME	122		WQEINTC	141	4
WQEDATE	CC		WQEJBB7727	C0	9
WQEDCA	B8	80	WQEJOBNM	16	
WQEDCB	B8	40	WQEJSTCB	BC	
WQEDCC	B8	20	WQEJ3B1	B3	10
WQEDCD	B8	10	WQEJ3B2	B3	8
WQEDCE	B8	8	WQEJ3CON	120	
WQEDCF	B8	4	WQEJ3MRC	11F	
WQEDCG	B8	2	WQEJ3RTC	11E	
WQEDCH	B8	1	WQEKEY	F0	
WQEDCI	B9	80	WQEL	1B4	1D0
WQEDCJ	B9	40	WQELENG	DA	
WQEDCK	B9	20	WQELKP	0	
WQEDCL	B9	10	WQELTOD	15C	
WQEDCM	B9	8	WQEMAJ	0	
WQEDC1	B8		WQEMCSA	AC	80
WQEDC2	B9		WQEMCSB	AC	40
WQEDC3	BA		WQEMCSC	AC	20
WQEDC4	BB		WQEMCSD	AC	10
WQEDESCD	B8		WQEMCSE	AC	8
WQEDFSLP	13C	8	WQEMCSEF	C2	
WQEDLVRD	B3	80	WQEMCSE1	C2	
WQEDMDB	132	8	WQEMCSE2	C3	
WQEDNDWQ	B3	40	WQEMCSF	AC	
WQEDOM	A0	4	WQEMCSFF	AC	4
WQEDOMD	13C	80	WQEMCSF1	AC	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WQEMCSF2	AD		WQERC1	E0	80
WQEMCSG	AC	2	WQERC10	E1	40
WQEMCSI	AD	80	WQERC100	EC	10
WQEMCSJ	AD	40	WQERC101	EC	8
WQEMCSK	AD	20	WQERC102	EC	4
WQEMCSL	AD	10	WQERC103	EC	2
WQEMCSM	AD	8	WQERC104	EC	1
WQEMCSN	AD	4	WQERC105	ED	80
WQEMCSO	AD	2	WQERC106	ED	40
WQEMCSP	AD	1	WQERC107	ED	20
WQEMCS2B	AD	40	WQERC108	ED	10
WQEMFR	133	4	WQERC109	ED	8
WQEMIN	0		WQERC11	E1	20
WQEMINORQ	88		WQERC110	ED	4
WQEMISC	141		WQERC111	ED	2
WQEMISCC	159		WQERC112	ED	1
WQEMLBC	D8	4	WQERC113	EE	80
WQEMLCE	D8	20	WQERC114	EE	40
WQEMLCPL	C1	40	WQERC115	EE	20
WQEMLE	D8	10	WQERC116	EE	10
WQEMLI	D8	8	WQERC117	EE	8
WQEMLIA	D8	40	WQERC118	EE	4
WQEMLR	D8	80	WQERC119	EE	2
WQEMLVL	D8		WQERC12	E1	10
WQEML1	D8		WQERC120	EE	1
WQEML2	D9		WQERC121	EF	80
WQEMSGTA	AE	80	WQERC122	EF	40
WQEMSGTB	AE	40	WQERC123	EF	20
WQEMSGTC	AE	20	WQERC124	EF	10
WQEMSGTF	AE	4	WQERC125	EF	8
WQEMSGTP	AE		WQERC126	EF	4
WQEMSGT1	AE		WQERC127	EF	2
WQEMSGT2	AF		WQERC128	EF	1
WQEMTRCD	A3	1	WQERC13	E1	8
WQENBEW	13C	40	WQERC14	E1	4
WQENBR	4		WQERC15	E1	2
WQENHABD	13C	20	WQERC16	E1	1
WQENMOD	B5	20	WQERC17	E2	80
WQENQJLG	B5	8	WQERC18	E2	40
WQENSHIP	C3	40	WQERC19	E2	20
WQENSYL	B3	20	WQERC2	E0	40
WQENWTP	11C	40	WQERC20	E2	10
WQEOJBID	100		WQERC21	E2	8
WQEOJBNM	108		WQERC22	E2	4
WQEORE	A0	20	WQERC23	E2	2
WQEPAD	C		WQERC24	E2	1
WQEPAD1	15		WQERC25	E3	80
WQEPAD2	1E		WQERC26	E3	40
WQEPAD3	9F		WQERC27	E3	20
WQEPER3	D1		WQERC28	E3	10
WQEPANA	B5	2	WQERC29	E3	8
WQEPRIV	159	40	WQERC3	E0	20
WQEPRTY	110		WQERC30	E3	4
WQEPURGE	A0	80	WQERC31	E3	2
WQEQD	133	10	WQERC32	E3	1
WQEQDFHC	A0	10	WQERC33	E4	80
WQEQDSYS	13D		WQERC34	E4	40
WQEQEXT	C1	2	WQERC35	E4	20
WQEQFHC	A0	40	WQERC36	E4	10
WQEQHCO	D6	2	WQERC37	E4	8
WQEQMCS	C1	1	WQERC38	E4	4
WQEQNLY	159	20	WQERC39	E4	2
WQEQTSYS	133	1	WQERC4	E0	10
WQEQSYS	C1	4	WQERC40	E4	1
WQERANO	D6	8	WQERC41	E5	80
WQERAYS	D6	4	WQERC42	E5	40
WQERBCA	D5	4	WQERC43	E5	20
WQERBCN	D5	2	WQERC44	E5	10
WQERCDC	D4	20	WQERC45	E5	8
WQERCFC	D6	20	WQERC46	E5	4
WQERCXY	D6	40	WQERC47	E5	2
WQERCMF	D6	10	WQERC48	E5	1
WQERCMT	D4	80	WQERC49	E6	80
WQERCRC	D4	40	WQERC5	E0	8

WQE Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WQERC50	E6	40	WQEROUTG	B0	2
WQERC51	E6	20	WQEROUTH	B0	1
WQERC52	E6	10	WQEROUTI	B1	80
WQERC53	E6	8	WQEROUTJ	B1	40
WQERC54	E6	4	WQEROUTK	B1	20
WQERC55	E6	2	WQEROUTL	B1	10
WQERC56	E6	1	WQEROUTM	B1	8
WQERC57	E7	80	WQEROUTN	B1	4
WQERC58	E7	40	WQEROUTO	B1	2
WQERC59	E7	20	WQEROUTP	B1	1
WQERC6	E0	4	WQEROUT1	B0	
WQERC60	E7	10	WQEROUT2	B1	
WQERC61	E7	8	WQERPML	D4	1
WQERC62	E7	4	WQERPYIB	144	
WQERC63	E7	2	WQERPYID	B6	
WQERC64	E7	1	WQERQPC	D4	10
WQERC65	E8	80	WQERQRC	D4	4
WQERC66	E8	40	WQERQUN	D4	8
WQERC67	E8	20	WQERRRET	D6	80
WQERC68	E8	10	WQERSVA4	98	
WQERC69	E8	8	WQERSVA5	9C	
WQERC7	E0	2	WQERSVA6	AE	20
WQERC70	E8	4	WQERSVB1	54	10
WQERC71	E8	2	WQERSVB2	54	8
WQERC72	E8	1	WQERSVB3	54	4
WQERC73	E9	80	WQERSVB4	54	2
WQERC74	E9	40	WQERSVB5	54	1
WQERC75	E9	20	WQERSVC1	B4	10
WQERC76	E9	10	WQERSVC2	B4	8
WQERC77	E9	8	WQERSVC3	B4	4
WQERC78	E9	4	WQERSVC4	B4	2
WQERC79	E9	2	WQERSVC5	B4	1
WQERC8	E0	1	WQERSVDB	144	
WQERC80	E9	1	WQERSVD2	7C	
WQERC81	EA	80	WQERSVD6	94	2
WQERC82	EA	40	WQERSVD7	94	1
WQERC83	EA	20	WQERSVD8	95	
WQERC84	EA	10	WQERSV1B	C3	8
WQERC85	EA	8	WQERSV1C	C3	2
WQERC86	EA	4	WQERSV1D	C3	1
WQERC87	EA	2	WQERSV100	1B4	
WQERC88	EA	1	WQERSV13	AE	8
WQERC89	EB	80	WQERSV14	AE	2
WQERC9	E1	80	WQERSV15	AE	1
WQERC90	EB	40	WQERSV23	B9	4
WQERC91	EB	20	WQERSV24	B9	2
WQERC92	EB	10	WQERSV25	B9	1
WQERC93	EB	8	WQERSV29	74	
WQERC94	EB	4	WQERSV30	78	
WQERC95	EB	2	WQERSV31	7A	4
WQERC96	EB	1	WQERSV32	7A	2
WQERC97	EC	80	WQERSV33	7A	1
WQERC98	EC	40	WQERSV34	84	
WQERC99	EC	20	WQERSV35	86	8
WQERDTM	D5	80	WQERSV37	86	2
WQERETAN	B5	40	WQERSV38	86	1
WQERFB1	D4		WQERSV39	AE	10
WQERFB2	D5		WQERSV40	C2	80
WQERFB3	D6		WQERSV41	B5	80
WQERFHC	D5	20	WQERSV42	138	
WQERFLGS	D4		WQERSV43	D6	1
WQERHCO	D5	8	WQERSV44	141	80
WQERIDL	158		WQERSV45	141	40
WQERISS	B5	1	WQERSV46	A3	10
WQERNHC	D5	10	WQERSV50	AE	8
WQERNRT	D5	1	WQERSV51	AE	2
WQEROMS	D5	40	WQERSV52	AE	1
WQEROUT	B0		WQERSV54	B6	
WQEROUTA	B0	80	WQERSV59	B9	4
WQEROUTB	B0	40	WQERSV60	B9	2
WQEROUTC	B0	20	WQERSV61	B9	1
WQEROUTD	B0	10	WQERSV62	4	80
WQEROUTE	B0	8	WQERSV63	5	8
WQEROUTF	B0	4	WQERSV65	5	2

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WQERSV66	5	1	WQE1BID	B4	
WQERSV67	134		WQE32623	C0	8
WQERSV68	64	80			
WQERSV69	64	4			
WQERSV70	65	8			
WQERSV72	65	2			
WQERSV73	65	1			
WQERSV76	D4	2			
WQERSV77	AC	1			
WQERSV79	B5	10			
WQERSV81	5C	40			
WQERSV82	5C	20			
WQERSV83	5C	10			
WQERSV84	5C	8			
WQERSV85	5C	4			
WQERSV86	5C	2			
WQERSV87	BC	40			
WQERSV88	BC	20			
WQERSV89	BC	10			
WQERSV90	BC	8			
WQERSV91	BC	4			
WQERSV92	BC	2			
WQERSV93	C2	20			
WQERSV94	C2	4			
WQERSV95	133	80			
WQERSV96	C1	80			
WQERTCT	8				
WQESAUT	D7	10			
WQESEER	D7	40			
WQESEQ#	A8				
WQESEQN	A9				
WQESIZE	1B4	1D0			
WQESMPF	D7	1			
WQESNSI	D7	20			
WQESNSV	D7	80			
WQESPWD	159	80			
WQESP211	C0	1			
WQESP220	C0	2			
WQESP410	C0	3			
WQESP422	C0	4			
WQESP440	C0	5			
WQESSI	D7	4			
WQESUPB	D7				
WQESUPSJ	C1	8			
WQESUSP	A0	2			
WQESWTO	D7	2			
WQESYSID	A8				
WQESYSNM	C4				
WQETCB	A4				
WQETOKN	F8				
WQETRANS	C1	10			
WQETS	D				
WQETSNT	142				
WQETS2	D1				
WQETS2TH	D2				
WQETS3	148				
WQETXT	1F				
WQETXTL	9E				
WQETXTLN	6				
WQEUNKC	141	2			
WQEUSE	A				
WQEVRIID	C0	1E			
WQEVRSN	C0				
WQEWTOR	A0	8			
WQEWTPR	133	8			
WQEXA	A0				
WQEXIF	132				
WQEXIF1	132				
WQEXIF2	133				
WQEXIRM	132	10			
WQEXMER	132	20			
WQEXMOD	D4				
WQEXNVT	132	40			
WQEXTTR	132	80			

WSAVTC Information

WSAVTC Heading Information

Common Name: Work/Save Area Vector Tables
Macro ID: IHAWSAVT
DSECT Name: WSAC - CPU WSAVT, WSAG - Global WSAVT, WSAL - Local WSAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Key: 0
 Residency: Above and Below 16M line
Size: WSAC - 236 bytes
 WSAG - 80 bytes
 WSAL - 108 bytes
Created by: WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only)
 WSAG - IEAVGWSA, IEAVWSAT (template only)
 WSAL - IEAVNIP0, IEAVEMIN, IEAVWSAT (template only)
Pointed to by: WSAC - LCCACPUS field of the LCCA data area
 WSAG - CVTSPSA field of the CVT data area
 WSAL - ASXBSPSA field of the ASXB data areaw
Serialization: WSAC - Disabement (in order to use save areas)
 WSAG - Determined by owner of individual field
 WSAL - Local lock
Function: Provide mapping of CPU work/save area vector table,
 Global work/save area vector table, and
 Local work/save area vector table, and
 the templates for the tables.

WSAVTC Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSAC	, - CPU WORK/SAVE AREA VECTOR TABLE LCCACPUS POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSACWSA	- ADDRESS OF LOW-LEVEL COMMON SAVE AREA (104 BYTES)
4	(4)	ADDRESS	4	WSACGTF	- ADDRESS OF GTF SAVEAREA (320 BYTES) (MDC309)
8	(8)	ADDRESS	4	WSACOPTM	- ADDRESS OF SYSTEM RESOURCES MANAGER (SRM) SAVE AREA (18432 BYTES)
12	(C)	ADDRESS	4	WSACTIME	- ADDRESS OF TIMER SAVE AREA (368 bytes)
16	(10)	ADDRESS	4	WSACACR	- ADDRESS OF ALTERNATE CPU RECOVERY (ACR) SAVE AREA (4776 BYTES) (SAVE AREA FOR: HARDWARE AND SOFTWARE INFORMATION, NORMAL STACK, IEAVTRTH SAVE AREA - WSACRTMK)
20	(14)	ADDRESS	4	WSACRTMK	- ADDRESS OF RECOVERY TERMINATION MANAGER MACHINE CHECK HANDLER (RTM/MACHK) SAVE AREA (360 BYTES)
24	(18)	ADDRESS	4	WSACIOS	- ADDRESS OF IOS SAVE AREA (80 BYTES)
28	(1C)	ADDRESS	4	WSACEDS0 (0)	- ADDRESS OF SCHEDULE SAVE AREA (OLD NAME) (MDC316)
28	(1C)	ADDRESS	4	WSACESC0	ADDRESS OF SCHEDULE SAVE AREA (80 BYTES)
32	(20)	ADDRESS	4	WSACMF1	- ADDRESS OF MEASUREMENT FACILITY 1 SAVE AREA (144 BYTES) MDC019
36	(24)	ADDRESS	4	WSACABTM	- ADDRESS OF ABTERM SAVE AREA (136 BYTES) MDC006
40	(28)	ADDRESS	4	WSACDIVS	- ADDRESS OF DATA IN VIRTUAL (DIV) WORK/SAVE AREA (8192 BYTES)
44	(2C)	ADDRESS	4	WSACLWDT	- ADDRESS OF WORK/SAVE AREA FOR STATUS SAVING BY LOADWAIT/RESTART PROCESSING (1152 Bytes)
48	(30)	ADDRESS	4	WSACSCPS	- ADDRESS OF SUPERVISOR CONTROL PSEUDO SDWA. INITIALIZED BY THE SUPERVISOR ANALYSIS ROUTER, LOCK REPAIR AND GLOBAL RECOVERY. (1384 BYTES).
52	(34)	ADDRESS	4	WSACVSM	- ADDRESS OF VSM GLOBAL BRANCH ENTRY SAVE AREA (528 BYTES)
56	(38)	ADDRESS	4	WSACASMD	- ADDRESS OF AUXILIARY STORAGE MANAGEMENT (ASM) DISABLED INTERRUPT EXIT (DIE) WORK/SAVE AREA (2048 BYTES) (MDC304)
60	(3C)	ADDRESS	4	WSACASMS	- ADDRESS OF AUXILIARY STORAGE MANAGEMENT (ASM) SRB DRIVEN I/O ROUTINES WORK/SAVE AREA (2048 BYTES) (MDC305)
64	(40)	ADDRESS	4	WSACRSM	- ADDRESS OF REAL STORAGE MANAGER (RSM) WORK/SAVE AREA (63 PAGES)
68	(44)	ADDRESS	4	WSACDCCR	- ADDRESS OF DISABLED CONSOLE COMMUNICATION WORK/SAVE AREA (100 BYTES) (MDC310)
72	(48)	ADDRESS	4	WSACSLIP	- ADDRESS OF SLIP/PER WORK/SAVE (136 BYTES). (MDC317)
76	(4C)	ADDRESS	4	WSACEVRR	- ADDRESS OF ASVT AND AFT RECONSTRUCT WORK/SAVE AREA (16 BYTES).
80	(50)	ADDRESS	4	WSACRESF	- ADDRESS OF RESTART FLIH WORK/SAVE AREA (1544 BYTES).
84	(54)	ADDRESS	4	WSACMFA	- ADDRESS OF MALFUNCTION ALERT WORK/SAVE AREA (256 BYTES).
88	(58)	ADDRESS	4	WSACSCWA	- ADDRESS OF SUPERVISOR CONTROL WORK/SAVE AREA (calculated dynamically)

WSAVTC Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
92	(5C)	ADDRESS	4	WSACTRCE	- ADDRESS OF SYSTEM TRACE SERVICE ROUTINES WORK/SAVE AREA (560 BYTES)
96	(60)	ADDRESS	4	WSACTAIM	- ADDRESS OF RECURSIVE ACR MESSAGE WORK AREA (168 BYTES)
100	(64)	ADDRESS	4	WSACRTMW	- GENERAL RTM WORK/SAVE AREA (3272 BYTES).
104	(68)	ADDRESS	4	WSACSTKA	- ABOVE FRR STACK WORK AREA FOR RTM
108	(6C)	ADDRESS	4	WSACSTKB	- BELOW FRR STACK WORK AREA FOR RTM
112	(70)	ADDRESS	4	WSACASMR	- ADDRESS OF SAVEAREA FOR ASM RECOVERY ROUTINES (1536 BYTES)
116	(74)	ADDRESS	4	WSACSCFS	- ADDRESS OF SUPERVISOR CONTROL FLIH SAVEAREA (length is defined symbolically)
120	(78)	ADDRESS	4	WSACSTPL	- ADDRESS OF SUPERVISOR CONTROL'S SYSTEM TRACE PARAMETER LIST FOR DISABLED CALLERS (24 BYTES).
124	(7C)	ADDRESS	4	WSACDESA	- ADDRESS OF DIAGNOSTIC EXIT FACILITY SAVEAREA FOR DISABLED CALLERS (72 BYTES).
128	(80)	ADDRESS	4	WSACPAWA	- ADDRESS OF THE PC/AUTH WORK AREA (3704 BYTES).
132	(84)	ADDRESS	4	WSACSYMR	- ADDRESS OF THE SYMREC WORK SAVEAREA (3000 BYTES).
136	(88)	ADDRESS	4	WSACXCF	- ADDRESS OF XCF WORK AREA (30000 BYTES).
140	(8C)	ADDRESS	4	WSACECLT	- ADDRESS OF THE CURRENT LOCKS HELD TABLE EXTENSION (128 BYTES).
144	(90)	ADDRESS	4	WSACTWA	- ADDRESS OF ETR/MCH WORK SAVE AREA (17152 BYTES).
148	(94)	ADDRESS	4	WSACACR2	- ADDRESS OF ALTERNATE CPU RECOVERY (ACR) WORK/SAVE AREA (1500 BYTES)
152	(98)	ADDRESS	4	WSACBWTO	- ADDRESS OF WORK/SAVE AREA FOR SYNCHRONOUS BRANCH-ENTRY WTO (5008 BYTES)
156	(9C)	ADDRESS	4	WSACTCR1	- ADDRESS OF WORK/SAVE AREA FOR ACR RECOVERY (256 BYTES)
160	(A0)	ADDRESS	4	WSACIXLS	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY THE SYSTEM LOCK MANAGER (10 pages)
164	(A4)	ADDRESS	4	WSACIXLL	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY THE HARDWARE INTERFACE FUNCTION OF THE SYSTEM LOCK MANAGER (2000 BYTES)
168	(A8)	ADDRESS	4	WSACEGR	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY IEAVEGR (10240 BYTES)
172	(AC)	ADDRESS	4	WSACSCHD	- ADDRESS OF CPU WORK/SAVE AREA FOR SRB SCHEDULER (16 BYTES).
176	(B0)	ADDRESS	4	WSACDIRB	- ADDRESS OF CPU WORK/SAVE AREAS FOR IEAVDIRB (176 BYTES).
180	(B4)	ADDRESS	4	WSACMCH	- ADDRESS OF CPU WORK/SAVE AREA FOR MACHINE CHECK HANDLER (628 BYTES)
184	(B8)	ADDRESS	4	WSACXCF2	- ADDRESS OF XCF WORK AREA2 (30000 BYTES).
188	(BC)	ADDRESS	4	WSACREMD	- Address of Registration Services Retrieve exit manager data. (1024 Bytes)
192	(C0)	ADDRESS	4	WSACJOIN	- Address of CPU Work/Save Area for IEAVJOIN/IEAVLEAV (144 bytes)
196	(C4)	ADDRESS	4	WSACVAR8	- ADDRESS OF REAL ADDRESS CONVERSION ROUTINE (IEAVAR08) WORK AREA. (32 BYTES).
200	(C8)	ADDRESS	4	WSACPR	- Address of PRDA work/savearea used by Pause/Release routines. 1024 bytes
204	(CC)	ADDRESS	4	WSACETPT	- Address of work/savearea used by IEAVETPT. 128 bytes
208	(D0)	ADDRESS	4	WSACTRER	- Address of work/savearea used by IEAVTRER 256 bytes
212	(D4)	ADDRESS	4	WSAC2RER	- Address of recursive work/savearea for IEAVTRER - used by IGFPMRTH 256 bytes
216	(D8)	ADDRESS	4	WSAC3RER	- Address of recursive work/savearea for IEAVTRER - used by IEAVTEXS 256 bytes
220	(DC)	ADDRESS	4	WSACSTKM	- Above FRR stack work area which CBLOC in DIAGxx can request to be below if necessary
224	(E0)	ADDRESS	4	WSACPAUS	- Address of work/savearea used by IEAVEPS1/IEAVEPSS 144 bytes
228	(E4)	ADDRESS	4	WSACPTRC	- Address of work/savearea used by callers of PTRACE 432 bytes
232	(E8)	ADDRESS	4	WSACHIS	- Address of work/savearea used by HIS 2560 bytes
236	(EC)	ADDRESS	4	WSACMMGR	- Address of media-manager area 256 bytes

WSAVTC Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
WSAC	0		WSACESCO	1C	
WSACABTM	24		WSACETPT	CC	
WSACACR	10		WSACEVRR	4C	
WSACACR2	94		WSACGTF	4	
WSACASMD	38		WSACHIS	E8	
WSACASMR	70		WSACIOS	18	
WSACASMS	3C		WSACIXLL	A4	
WSACBWTO	98		WSACIXLS	A0	
WSACCWSA	0		WSACJOIN	C0	
WSACDCCR	44		WSACLDWT	2C	
WSACDESA	7C		WSACMCH	B4	
WSACDIRB	B0		WSACMFA	54	
WSACDIVS	28		WSACMF1	20	
WSACECLT	8C		WSACMMGR	EC	
WSACEDS0	1C		WSACOPTM	8	
WSACEGR	A8		WSACPAUS	E0	

Name	Hex Offset	Hex Value
WSACPAWA	80	
WSACPR	C8	
WSACPTRC	E4	
WSACREMD	BC	
WSACRESF	50	
WSACRSM	40	
WSACRTMK	14	
WSACRTMW	64	
WSACSCFS	74	
WSACSCHD	AC	
WSACSCPS	30	
WSACSCWA	58	
WSACSLIP	48	
WSACSTKA	68	
WSACSTKB	6C	
WSACSTKM	DC	
WSACSTPL	78	
WSACSYMR	84	
WSACTAIM	60	
WSACTCR1	9C	
WSACTIME	C	
WSACTRCE	5C	
WSACTRER	D0	
WSACTWA	90	
WSACVAR8	C4	
WSACVSM	34	
WSACXCF	88	
WSACXCF2	B8	
WSAC2RER	D4	
WSAC3RER	D8	

WSAVTG Information

WSAVTG Heading Information

Common Name: Work/Save Area Vector Tables
Macro ID: IHAWSAVT
DSECT Name: WSAC - CPU WSAVT, WSAG - Global WSAVT, WSAL - Local WSAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Key: 0
 Residency: Above and Below 16M line
Size: WSAC - 236 bytes
 WSAG - 80 bytes
 WSAL - 108 bytes
Created by: WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only)
 WSAG - IEAVGWSA, IEAVWSAT (template only)
 WSAL - IEAVNIP0, IEAVEMIN, IEAVWSAT (template only)
Pointed to by: WSAC - LCCACPLUS field of the LCCA data area
 WSAG - CVTSPSA field of the CVT data area
 WSAL - ASXBSPSA field of the ASXB data areaw
Serialization: WSAC - Disablement (in order to use save areas)
 WSAG - Determined by owner of individual field
 WSAL - Local lock
Function: Provide mapping of CPU work/save area vector table,
 Global work/save area vector table, and
 Local work/save area vector table, and
 the templates for the tables.

WSAVTG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSAG	, - GLOBAL WORK/SAVE AREA VECTOR TABLE CVTSPSA POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSAGR000	- FIELD CURRENTLY RESERVED (0 BYTES) -
4	(4)	ADDRESS	4	WSAGGMFM	- RESERVED FOR S/370 COMPATIBILITY (0 BYTES) (MDC301)
8	(8)	ADDRESS	4	WSAGSTSI	- Store system info area
12	(C)	ADDRESS	4	WSAGR00C	- RESERVED.
16	(10)	ADDRESS	4	WSAGR010	- RESERVED.
20	(14)	ADDRESS	4	WSAGR014	- RESERVED.
24	(18)	ADDRESS	4	WSAGR018	- RESERVED.
28	(1C)	ADDRESS	4	WSAGR01C	- RESERVED.
32	(20)	ADDRESS	4	WSAGR020	- RESERVED. (MDC318)
36	(24)	ADDRESS	4	WSAGR024	- RESERVED.
40	(28)	ADDRESS	4	WSAGR028	- RESERVED.
44	(2C)	ADDRESS	4	WSAGR02C	- RESERVED.
48	(30)	ADDRESS	4	WSAGDCCR	- ADDRESS OF WORK/SAVE AREA FOR DISABLED COMMUNICATION (9472 BYTES) (MDC313)
52	(34)	ADDRESS	4	WSAGRESF	- ADDRESS OF WORK/SAVE AREA FOR RESTART FLIH (456 BYTES) (MDC313)
56	(38)	ADDRESS	4	WSAGR038	- RESERVED.
60	(3C)	ADDRESS	4	WSAGTIME	- ADDRESS OF TIMER SAVE AREA (128 BYTES)
64	(40)	ADDRESS	4	WSAGTIM2	- ADDRESS OF TIMER SLIH WORK AREA (24 BYTES).
68	(44)	ADDRESS	4	WSAGR044	- Reserved.
72	(48)	ADDRESS	4	WSAGSRM1	- ADDRESS OF GENERAL REGISTER SAVE AREA FOR SRM - SERIALIZED BY THE SRM LOCK. (72 BYTES)
76	(4C)	ADDRESS	4	WSAGSTP1	- ADDRESS OF THE LINKTABLE WORKAREA FOR TIMER (3584 BYTES)

WSAVTG Cross Reference

WSAVTG Cross Reference

Name	Hex Offset	Hex Value
WSAG	0	
WSAGDCCR	30	
WSAGGMFM	4	
WSAGRESF	34	
WSAGR00C	C	
WSAGR000	0	
WSAGR01C	1C	
WSAGR010	10	
WSAGR014	14	
WSAGR018	18	
WSAGR02C	2C	
WSAGR020	20	
WSAGR024	24	
WSAGR028	28	
WSAGR038	38	
WSAGR044	44	
WSAGSRM1	48	
WSAGSTP1	4C	
WSAGSTSI	8	
WSAGTIME	3C	
WSAGTIM2	40	

WSAVTL Information

WSAVTL Heading Information

Common Name: Work/Save Area Vector Tables
Macro ID: IHAWSAVT
DSECT Name: WSAC - CPU WSAVT, WSAG - Global WSAVT, WSAL - Local WSAVT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes: Key: 0
 Residency: Above and Below 16M line
Size: WSAC - 236 bytes
 WSAG - 80 bytes
 WSAL - 108 bytes
Created by: WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only)
 WSAG - IEAVGWSA, IEAVWSAT (template only)
 WSAL - IEAVNIP0, IEAVEMIN, IEAVWSAT (template only)
Pointed to by: WSAC - LCCACPLUS field of the LCCA data area
 WSAG - CVTSPSA field of the CVT data area
 WSAL - ASXBSPSA field of the ASXB data areaw
Serialization: WSAC - Disabement (in order to use save areas)
 WSAG - Determined by owner of individual field
 WSAL - Local lock
Function: Provide mapping of CPU work/save area vector table,
 Global work/save area vector table, and
 Local work/save area vector table, and
 the templates for the tables.

WSAVTL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSAL	, - LOCAL WORK/SAVE AREA VECTOR TABLE ASXBSPSA POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSALCWSA	- ADDRESS OF LOW-LEVEL COMMON SAVE AREA (104 BYTES)
4	(4)	ADDRESS	4	WSALVALC	- ADDRESS OF VALIDITY CHECK SAVE AREA (64 BYTES)
8	(8)	ADDRESS	4	WSALRTM2	- ADDRESS OF RECOVERY TERMINATION MANAGER (RTM) SAVE AREA (80 BYTES)
12	(C)	ADDRESS	4	WSALS Demp	- ADDRESS OF SVC DUMP WORK AREA (104 BYTES)
16	(10)	ADDRESS	4	WSALABTM	- ADDRESS OF ABTERM SAVE AREA (144 BYTES)
20	(14)	ADDRESS	4	WSALCIRB	- ADDRESS OF CIRB SAVE AREA (80 BYTES) MDC005
24	(18)	ADDRESS	4	WSALS2EE	- ADDRESS OF STAGE 2 EXIT EFFECTOR SAVE AREA (80 BYTES)
28	(1C)	ADDRESS	4	WSALEXIT	- ADDRESS OF EXIT (SVC 3) SAVE AREA (160 BYTES)
32	(20)	ADDRESS	4	WSALPOST	- ADDRESS OF POST SAVE AREA (296 BYTES) (MDC303)
36	(24)	ADDRESS	4	WSALWAIT	- ADDRESS OF WAIT SAVE AREA (128 BYTES)
40	(28)	ADDRESS	4	WSALSTAT	- ADDRESS OF STATUS SAVE AREA (640 BYTES)
44	(2C)	ADDRESS	4	WSALSTAE	- ADDRESS OF STAE SAVE AREA (112 BYTES)
48	(30)	ADDRESS	4	WSALEVNT	- ADDRESS OF EVENTS (FAST MULTIPLE WAIT) SAVE AREA (72 BYTES) (MDC300)
52	(34)	ADDRESS	4	WSALRSM	- ADDRESS OF REAL STORAGE MANAGEMENT (RSM) SAVE AREA (216 BYTES)
56	(38)	ADDRESS	4	WSALACHP	- ADDRESS OF ASCB CHAP ROUTINE SAVE AREA (72 BYTES)
60	(3C)	ADDRESS	4	WSALCSV	- Address of Contents Supervisor save area (1664 Bytes). Also used by IEAVEOR for IEAVEBBR work area.
64	(40)	ADDRESS	4	WSALISEC	- ADDRESS OF INTERSECT ROUTINE SAVE AREA (64 BYTES)
68	(44)	ADDRESS	4	WSALSTWA	- ADDRESS OF STATUS WORK/SAVE AREA FOR STOP/RESET INTERFACE (56 BYTES)
72	(48)	ADDRESS	4	WSALLSM	- ADDRESS OF GPR SAVE AREA USED WHEN CALLING LINKAGE STACK SERVICES (72 BYTES)
76	(4C)	ADDRESS	4	WSALS3EE	- ADDRESS OF STAGE III EXIT EFFECTOR WORK AREA (176 BYTES).
80	(50)	ADDRESS	4	WSALJSIO	- ADDRESS OF IEAVJSIO WORK/SAVE AREA (1024 BYTES).
84	(54)	ADDRESS	4	WSALJIOC	- ADDRESS OF IEAVJIOC WORK/SAVE AREA (1024 BYTES).
88	(58)	ADDRESS	4	WSALJSTL	- ADDRESS OF IEAVJSTL WORK/SAVE AREA (1024 BYTES).
92	(5C)	ADDRESS	4	WSALXPDA	- ADDRESS OF IEAVXPDA WORK/SAVE AREA (40 BYTES).
96	(60)	ADDRESS	4	WSALEIRB	- ADDRESS OF IEAVEIRB WORK/SAVE AREA (256 BYTES).
100	(64)	ADDRESS	4	WSALEXPM	- ADDRESS OF IEAVEXPM WORK/SAVE AREA (256 BYTES).

WSAVTL Cross Reference

WSAVTL Cross Reference

Name	Hex Offset	Hex Value
WSAL	0	
WSALABTM	10	
WSALACHP	38	
WSALCIRB	14	
WSALCSV	3C	
WSALCWSA	0	
WSALEIRB	60	
WSALEVNT	30	
WSALEXIT	1C	
WSALEXPM	64	
WSALISEC	40	
WSALJIOC	54	
WSALJSIO	50	
WSALJSTL	58	
WSALLSM	48	
WSALPOST	20	
WSALRSM	34	
WSALRTM2	8	
WSALSDMP	C	
WSALSTAE	2C	
WSALSTAT	28	
WSALSTWA	44	
WSALS2EE	18	
WSALS3EE	4C	
WSALVALC	4	
WSALWAIT	24	
WSALXPDA	5C	

WSMA Information

WSMA Heading Information

Common Name: Wait State Message Area
Macro ID: IHAWSMA
DSECT Name: WSMA
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: WSMA
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 239
 Key: 0
 Residency: Any
Size: 1144 bytes
Created by: IEAVNPC6
Pointed to by: CVTWSMA IN CVT
Serialization: IEAVBWTO OBTAINS RESTART RESOURCE
Function: CONTAINS LINES OF THE MESSAGE ASSOCIATED WITH A SYSTEM WAIT STATE UP TO A MAXIMUM NUMBER OF LINES DEFINED BY WSMAMAX#. STORAGE CAN BE DISPLAYED BY THE OPERATOR FROM SYSTEM CONSOLE

WSMA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WSMA	, - START OF WSMA
0	(0)	CHARACTER	4	WSMAACR	ACRONYM 'WSMA'
4	(4)	BITSTRING	1	WSMAVRN	VERSION LEVEL
4	(4)	X'1'	0	WSMARID	"WSMA410" CURRENT VERSION LEVEL
4	(4)	X'1'	0	WSMA410	"1" VERSION LEVEL FOR SP410
5	(5)	BITSTRING	1	WSMACNVL	CURRENT NUMBER VALID LINES
6	(6)	CHARACTER	2	WSMARSV	RESERVED
8	(8)	CHARACTER	8	WSMADATE	DATE MESSAGE WAS ISSUED
16	(10)	CHARACTER	8	WSMATIME	TIME MESSAGE WAS ISSUED
24	(18)	CHARACTER	80	WSMATXT1	FIRST LINE OF MESSAGE TEXT
104	(68)	CHARACTER	80	WSMATXT2	SECOND LINE OF MESSAGE TEXT
184	(B8)	CHARACTER	80	WSMATXT3	THIRD LINE OF MESSAGE TEXT
264	(108)	CHARACTER	80	WSMATXT4	FOURTH LINE OF MESSAGE TEXT
344	(158)	CHARACTER	80	WSMATXT5	FIFTH LINE OF MESSAGE TEXT
424	(1A8)	CHARACTER	80	WSMATXT6	SIXTH LINE OF MESSAGE TEXT
504	(1F8)	CHARACTER	80	WSMATXT7	SEVENTH LINE OF MESSAGE TEXT
584	(248)	CHARACTER	80	WSMATXT8	EIGHTH LINE OF MESSAGE TEXT
664	(298)	CHARACTER	80	WSMATXT9	NINTH LINE OF MESSAGE TEXT
744	(2E8)	CHARACTER	80	WSMATXTA	TENTH LINE OF MESSAGE TEXT
824	(338)	CHARACTER	80	WSMATXTB	ELEVENTH LINE OF MESSAGE TEXT
904	(388)	CHARACTER	80	WSMATXTC	TWELTH LINE OF MESSAGE TEXT
984	(3D8)	CHARACTER	80	WSMATXTD	THIRTEENTH LINE OF MESSAGE TEXT
1064	(428)	CHARACTER	80	WSMATXTE	FOURTEENTH LINE OF MESSAGE TEXT
1064	(428)	X'478'	0	WSMAEND	*** END OF WSMA
1064	(428)	X'478'	0	WSMALN	"WSMAEND-WSMA" LENGTH OF ENTIRE BLOCK
1064	(428)	X'E'	0	WSMAMAX#	"14" MAXIMUM NUMBER OF LINES
1064	(428)	X'50'	0	WSMAMLEN	"80" MAXIMUM LENGTH OF LINES

WSMA Cross Reference

WSMA Cross Reference

Name	Hex Offset	Hex Value
WSMA	0	
WSMAACR	0	E6E2D4C1
WSMACNVL	5	0
WSMADATE	8	40404040
WSMAEND	428	478
WSMALN	428	478
WSMAMAX#	428	E
WSMAMLEN	428	50
WSMARID	4	1
WSMARSV	6	4040
WSMATIME	10	40404040
WSMATXTA	2E8	40404040
WSMATXTB	338	40404040
WSMATXTC	388	40404040
WSMATXTD	3D8	40404040
WSMATXTE	428	40404040
WSMATXT1	18	40404040
WSMATXT2	68	40404040
WSMATXT3	B8	40404040
WSMATXT4	108	40404040
WSMATXT5	158	40404040
WSMATXT6	1A8	40404040
WSMATXT7	1F8	40404040
WSMATXT8	248	40404040
WSMATXT9	298	40404040
WSMAVRN	4	0
WSMA410	4	1

WWB Information

WWB Heading Information

Common Name: Write To Operator Wait Block Mapping
Macro ID: IHAWWB
DSECT Name: WWB
Owning Component: Communications Task (SC1CK)
Eye-Catcher ID: 'WWB '
 Offset: 24
 Length: 4 Bytes
Storage Attributes: Subpool: 231 (above 16M)
 Key: 0
Size: 32 Bytes
Created by: CNZS1WTO
Pointed to by: UCMOECBH
Serialization: None
Function: The WWB describes the unit of work that is waiting for an ORE to be freed.

WWB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	WWB	
0	(0)	SIGNED	4	WWBFDPT	FORWARD CHAIN POINTER
4	(4)	SIGNED	4	WWBCKPT	BACKWARD CHAIN POINTER
8	(8)	SIGNED	4	WWBASCB	ADDRESS OF USERS ASCB
12	(C)	SIGNED	4	WWBTCBAD	ADDRESS OF USERS TCB
16	(10)	CHARACTER	1	WWBFLAGS	FLAGS BYTE
		1...		WWBPOSTD	"X'80" IF ON THEN ECB HAS BEEN POSTED
		.1..		WWBUSE0	"X'40" This WWB represents an *authorized* caller and reply ID 0 can be used to satisfy this request (for WWBs on UCMOECBH queue only)
17	(11)	CHARACTER	1	WWBVERSN	VERSION ID
17	(11)	X'1'	0	WWBS220	"1" LEVEL OS/VS2 JBB2220
17	(11)	X'1'	0	WWBVERN	"WWBS220" THE CURRENT VERSION LEVEL
18	(12)	CHARACTER	2	WWBRESRV	RESERVED
20	(14)	SIGNED	4	WWBECB	ECB PART OF WTOECB
24	(18)	CHARACTER	4	WWBACRN	ACRONYM 'WWB '
28	(1C)	CHARACTER	4		RESERVED
28	(1C)	X'20'	0	WWBLENG	*** END OF WWB
28	(1C)	X'20'	0	WWBSIZE	"WWBLENG-WWB"
28	(1C)	X'14'	0	WWBECBOF	"WWBECB-WWB" ECB OFFSET
28	(1C)	X'E7'	0	K_WWB_SUBPOOL	"231" Subpool for WWB

WWB Cross Reference

Name	Hex Offset	Hex Value
K_WWB_SUBPOOL	1C	E7
WWB	0	
WWBACRN	18	
WWBASCB	8	
WWBCKPT	4	
WWBECB	14	
WWBECBOF	1C	14
WWBFLAGS	10	
WWBFDPT	0	
WWBLENG	1C	20
WWBPOSTD	10	80
WWBRESRV	12	
WWBSIZE	1C	20
WWBS220	11	1
WWBTCBAD	C	
WWBUSE0	10	40
WWBVERN	11	1
WWBVERSN	11	

XCPS Information

XCPS Heading Information

Common Name: Channel Program Scan Exit Parm List/Work Area
Macro ID: IECDXCPS
DSECT Name: CPS
Owning Component: EXCP (SC1C6)
Eye-Catcher ID: CPS
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 226 or 245
 Key: 0
 Residency: Any
Size: 248 bytes
Created by: IECVEXCP from a large block obtained from the storage manager.
Pointed to by: RQEXCPS in IECDRQEX
 Register 1 on entry to the channel program scan exit
Serialization: None
Function: This macro describes the input parameter list and work area passed by the EXCP processor to the Channel Program Scan Exit.
 Notes: None

XCPS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPS	
0	(0)	CHARACTER	4	CPSCPS	CPS acronym
4	(4)	BITSTRING	1	CPSENTRY	Entry reason byte
		.... ..1		CPSENSIO	"X'01'" . STARTIO entry
		.... ..1.		CPSENOIE	"X'02'" . I/O error entry
		.... ..11		CPSENEOE	"X'03'" . End of Extent entry
		.... ..1..		CPSENML	"X'04'" . Normal-end entry
5	(5)	CHARACTER	3	CPSRESV1	Reserved
8	(8)	ADDRESS	4	CPSRQE	EXCP RQE address
12	(C)	ADDRESS	4	CPSIOSB	EXCP IOSB address
16	(10)	ADDRESS	4	CPSCPX	CPS extension address
20	(14)	CHARACTER	12	CPSRESV2	Reserved
32	(20)	CHARACTER	216	CPSWA	Work area for use by the channel program scan exit, includes prefix CCWs, set to 0's on initial entry
32	(20)	X'F8'	0	CPSLEN	"" CPS block length
32	(20)	X'20'	0	CPS_THPFREGS	"CPSWA,104,C'C" IECVTHPF register save area during zHPF channel program translation

XCPS Cross Reference

Name	Hex Offset	Hex Value
CPS	0	
CPS_THPFREGS	20	20
CPSCPS	0	
CPSCPX	10	
CPSENEOE	4	3
CPSENOIE	4	2
CPSENML	4	4
CPSENSIO	4	1
CPSENTRY	4	
CPSIOSB	C	
CPSLEN	20	F8
CPSRESV1	5	
CPSRESV2	14	
CPSRQE	8	
CPSWA	20	

XDBA Information

XDBA Heading Information

Common Name: XDBA EXCP Debugging Area
Macro ID: IECDXDBA
DSECT Name: XDBA
Owning Component: EXCP (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Key: 0
Size: 4096 bytes
Created by: IECVEXFR
Pointed to by: TCBEXCPD field of the TCB data area
 XDBACHAN field of the XDBA data area
Serialization: N/A
Function: This area contains the diagnostic data associated with the EXCP processor I/O request at the time of an abend. The diagnostic data includes data from the SDWA (PSW, registers, translation exception address, etc) and the RQE block and all large blocks associated with the EXCP request (SRB/IOSB, TCCW, BEB, FIX, etc).

XDBA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XDBA	
0	(0)	BITSTRING	256	XDBANLGE (0)	XDBA non-large block area
0	(0)	CHARACTER	16	XDBATTL1	XDBA block identifier
16	(10)	SIGNED	4	XDBACHAN	XDBA chain pointer or zero
20	(14)	SIGNED	2	XDBACOMP	EXCP abend completion code
22	(16)	SIGNED	2	XDBACC	SDWA original abend code
24	(18)	BITSTRING	8	XDBAPSW	SDWA PSW at time of error
32	(20)	SIGNED	4	XDBATRAN	Translation exception address
36	(24)	BITSTRING	12	XDBARV1	Reserved
48	(30)	SIGNED	4	XDBARGSV (16)	SDWA registers at time of error
112	(70)	CHARACTER	8	XDBATTL2	FRR parm area identifier
120	(78)	BITSTRING	24	XDBAFRRP	EXCP FRR parameter area
144	(90)	CHARACTER	4	XDBATTL3	RQE block identifier
148	(94)	BITSTRING	64	XDBARQE	RQE block size + the 8 byte storage manager header.
212	(D4)	BITSTRING	24	XDBARV3	Reserved
236	(EC)	BITSTRING	4	XDBALBCT	Number of large blocks in XDBA

Comment

The large size blocks are moved into the remaining XDBA area starting at X'100' offset, in following sequence (if present):
 SRB/IOSB, EWA, TCCW, IDAL, FIX, BEB AND CPS.
 Only valid large blocks are moved.

End of Comment

240	(F0)	CHARACTER	16	XDBATTL4	Large block area identifier
256	(100)	BITSTRING	0	XDBAENT (0)	Start of large blocks
256	(100)	BITSTRING	1	XDBALGEB	Large block entry

Comment

XDBA constants

End of Comment

256	(100)	X'100'	0	XDBAEL	"256" Size of large block + storage manager header.
256	(100)	X'40'	0	XDBAER	"RQENSASZ+8" Size of RQE block - save area + storage manager header.
256	(100)	X'1000'	0	XDBASIZE	"4096" Size of XDBA block.
256	(100)	X'F'	0	XDBABLKS	"(XDBASIZE-(XDBAENT-XDBA))/XDBAEL" Number of slots for storing large blocks

XDBA Cross Reference

XDBA Cross Reference

Name	Hex Offset	Hex Value
XDBA	0	
XDBABLKS	100	F
XDBACC	16	
XDBACHAN	10	
XDBACOMP	14	
XDBAEL	100	100
XDBAENT	100	
XDBAER	100	40
XDBAFRRP	78	
XDBALBCT	EC	
XDBALGEB	100	
XDBANLGE	0	
XDBAPSW	18	
XDBARGSV	30	
XDBARQE	94	
XDBARV1	24	
XDBARV3	D4	
XDBASIZE	100	1000
XDBATRAN	20	
XDBATT1	0	
XDBATT2	70	
XDBATT3	90	
XDBATT4	F0	

XMD Information

XMD Heading Information

Common Name: CROSS MEMORY DIRECTORY
Macro ID: IHAXMD
DSECT Name: XMD
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: XMD
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 229 - LOCAL IN THE PC/AUTH ADDRESS SPACE
 Key: 0
 Residency: VIRTUAL: ABOVE 16M LINE.
Size: 72 bytes
Created by: IEAVXMAS
Pointed to by: SVTXMD
Serialization: THE CML LOCK OF THE PC/AUTH ADDRESS SPACE IS REQUIRED FOR READ AND WRITE ACCESS.
Function: CONTAINS VARIOUS POINTERS AND INFORMATION USED BY THE SERVICES EXECUTING IN THE CROSS MEMORY SERVICES ADDRESS SPACE.

XMD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	72	XMD	CROSS MEMORY DIRECTORY
0	(0)	CHARACTER	4	XMDXMD	XMD ACRONYM
4	(4)	ADDRESS	4	XMDLXAT	POINTER TO THE LINKAGE INDEX ALLOCATION TABLE
8	(8)	CHARACTER	8	XMDETIBH	HEADER OF ENTRY TABLE INFORMATION BLOCK QUEUE
8	(8)	ADDRESS	4	XMDETIBF	POINTER TO FIRST ETIB ON QUEUE
12	(C)	ADDRESS	4	XMDETIBL	POINTER TO LAST ETIB ON QUEUE
16	(10)	ADDRESS	4	XMDAXAT	ADDRESS OF AUTHORIZATION INDEX ALLOCATION TABLE
20	(14)	BITSTRING	1	XMDFLAGS	FLAG BYTE
		1...		XMDRSV1	RESERVED FLAG
		.1..		XMDRSV2	RESERVED FLAG
21	(15)	BITSTRING	3	XMDRSV9	RESERVED FIELD
24	(18)	ADDRESS	4	XMDXMSE	ADDRESS OF THE QUEUE OF XMSE'S IN PC/AUTH'S ADDRESS SPACE
28	(1C)	UNSIGNED	2	XMDATLNB	LENGTH OF THE SYSTEM AUTHORIZATION TABLE (IN BYTES)
30	(1E)	UNSIGNED	2	XMDSATLN	LENGTH OF THE SYSTEM AUTHORIZATION TABLE. (0030) USED TO INITIALIZE AN ASTE
32	(20)	UNSIGNED	4	XMDSATOR	THE REAL ADDRESS OF THE SYSTEM AUTHORIZATION TABLE IN FORMAT TO INITIALIZE THE ASTE.
36	(24)	ADDRESS	4	XMDSATOV	THE VIRTUAL ADDRESS OF THE SYSTEM AUTHORIZATION TABLE
40	(28)	UNSIGNED	4	XMDSLTD	REAL ADDRESS AND LENGTH OF THE SYSTEM LINKAGE TABLE (WITH THE VALID BIT ON) IN ASTE FORMAT
40	(28)	UNSIGNED	4	XMDSLFTD	Real address and length of the system linkage first table (with the valid bit on) in ASTE format
44	(2C)	ADDRESS	4	XMDSLT	ADDRESS OF THE SYSTEM LINKAGE TABLE WHICH CONTAINS ONLY SYSTEM WIDE ENTRIES
48	(30)	ADDRESS	4	XMDXMSEL	ADDRESS OF THE LAST XMSE ON THE QUEUE ANCHORED BY XMDXMSE
52	(34)	ADDRESS	4	XMDXMSE	PENDING ASID REUSE QUEUE
56	(38)	CHARACTER	4	*	Reserved
60	(3C)	SIGNED	4	XMDSLFTLSTLEN	Length of system LFT + LSTs. This is the amount of storage needed to represent the LFTs and LSTs that comprise the system LFT/LST. We always allocate a full-page LFT, and that covers the maximum LX (32K) that we support in z/OS 1.6. And then we allocate LSTs for any system LX's that need them.
64	(40)	CHARACTER	8	*	Reserved

XMD Constants • XMD Cross Reference

XMD Constants

Len	Type	Value	Name	Description
4	HEX	000000FF	XMDSLFTD_LFTL_MASK	
4	DECIMAL	255	XMDFSP	ID OF FIXED SUBPOOL USED FOR THE ENTRY, LINKAGE AND AUTH TABLES
4	DECIMAL	229	XMDPSP	ID OF SUBPOOL USED FOR THE PAGEABLE CONTROL BLOCKS
4	DECIMAL	229	XMDDASP	ID OF SUBPOOL USED FOR THE DYNAMIC DATA AREAS
4	DECIMAL	215	XMDSP215	ID OF DREF SUBPOOL FOR CROSS MEMORY CONTROL BLOCKS
4	DECIMAL	245	XMDLPSP	ID OF SUBPOOL FOR LATENT PARAMETER AREAS

XMD Cross Reference

Name	Hex Offset	Hex Value
XMD	0	
XMDATLNB	1C	
XMDAXAT	10	
XMDTIBF	8	
XMDTIBH	8	
XMDTIBL	C	
XMDFLAGS	14	
XMDLXAT	4	
XMDRSV1	14	80
XMDRSV2	14	40
XMDRSV9	15	
XMDSATLN	1E	
XMDSATOR	20	
XMDSATOV	24	
XMDSLFTD	28	
XMDSLFTLSTLEN	3C	
XMDSLT	2C	
XMDSLTD	28	
XMDXMD	0	
XMDXMSE	18	
XMDXMSEL	30	
XMDXMSE	34	

XQSRD Information

XQSRD Heading Information

Common Name: ASM Quick Start Record Extension
Macro ID: ILRXQSRD
DSECT Name: XQSR, XQSRENTER
Owning Component: Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID: XQSR
 Offset: 0
 Length: 4
Storage Attributes: Virtual Storage: YES
 Subpool: 245
 Key: 0
 Data Space: NO
 Residency: Above 16 Megabytes virtual
Size: 4096 bytes
Created by: ILRASRIM
Pointed to by: NVTQSBUF plus length of QSR plus length EQSR. The XQSR is contiguous in storage following QSR and EQSR.
Serialization: Serialized by initialization processing
Function: The XQSR contains the primary LSIDs for LPA pages.

XQSRD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4096	XQSR	Quick Start Record Extension
0	(0)	CHARACTER	96	XQSRHDR	XQSR header
0	(0)	CHARACTER	4	XQSRIDNT	Control block identifier, set to C'XQSR'
4	(4)	ADDRESS	4	XQSRLPAS	Low virtual address -- start address of section of LPA mapped by this XQSR
8	(8)	ADDRESS	4	XQSRLPAE	High virtual address -- end address of section of LPA mapped by this XQSR
12	(C)	SIGNED	4	XQSRNUM	Number of LPA entries in this XQSR
16	(10)	BITSTRING	1	XQSRFLAG	Flag byte
		1...		XQSRPLPA	PLPA XQSR
		.1...		XQSREPLP	EPLPA XQSR
		..11 1111		*	Reserved
17	(11)	CHARACTER	3	XQSRFRSV	Reserved
20	(14)	CHARACTER	76	XQSRSRV	Reserved
96	(60)	CHARACTER	4000	XQSRMAP	Map of LPA page LSIDs made up of 8-byte entries

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	XQSRENTN	Each XQSR entry contains the LSID for an LPA page. The entries are built in ascending order of virtual address. Each entry contains one LSID. The first zero entry indicates the end of the entries in use.
0	(0)	SIGNED	4	XQSRLSID	Logical slot ID for the LPA page
0	(0)	CHARACTER	1	XQSRPTNN	PART number portion of LSID identifying page data set, must always be set to zero
1	(1)	CHARACTER	3	XQSRSLOT	Slot number portion of LSID identifying slot within the page data set
4	(4)	SIGNED	4	XQSRRSV1	Reserved

XQSRD Cross Reference

XQSRD Cross Reference

Name	Hex Offset	Hex Value
XQSR	0	
XQSRENTN	0	
XQSREPLP	10	40
XQSRFLAG	10	
XQSRFRSV	11	
XQSRHDR	0	
XQSRIDNT	0	
XQSRLPAE	8	
XQSRLPAS	4	
XQSRLSID	0	
XQSRMAP	60	
XQSRNUM	C	
XQSRPLPA	10	80
XQSRPTNN	0	
XQSRRSV1	4	
XQSRSLOT	1	
XQSRSRV	14	

XSA Information

XSA Heading Information

Common Name: EXTENDED SAVE AREA
Macro ID: IEEXSA
DSECT Name: XSA
Owning Component: MASTER SCHEDULER (SC1B8)
Eye-Catcher ID: XSA XSAX
 Offset: N/A or 144 0
 Length: 4 4
Storage Attributes: Subpool: VARIABLE. PART OF SVRB OR SUBPOOL 229
 Key: 0
 Residency: ANY
Size: 48 OR 400 BYTES XSAX: 80 bytes
Created by: Supervisor, in creating a Supervisor Request block (48 bytes), SVC 34, in creating a dummy XSA for use within SVC 34 only (400 bytes), or various Started Task Control routines, which use IEE0503D as a message module (48 bytes).
Pointed to by: FOR SUPERVISOR AND STC ROUTINES, 96 BYTES PAST THE START OF THE SVRB. DURING SVC 34 PROCESSING, REGISTER 2 POINTS TO THE GETMAINED XSA.
Serialization: NONE
Function: SERVES AS A PARAMETER AND COMMUNICATION AREA WITHIN SVC 34. IT IS THE PARAMETER LIST PASSED TO IEE0503D.

XSA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	400	XSAMAP	
0	(0)	CHARACTER	48	XASVRB	Y02669
Comment					
'LENGTH (XASVRB)' YIELDS LENGTH OF XSA Y02669 IN THE SVRB Y02669					
End of Comment					
0	(0)	CHARACTER	8	XSA	BEGINNING OF SAVE AREA Y02669
Comment					
THE USAGE OF THE FIELDS MARKED AS "WORK WORD" ARE DEFINED WITHIN INDIVIDUAL COMMAND MODULES.					
End of Comment					
0	(0)	ADDRESS	4	XAP	WORK WORD
4	(4)	ADDRESS	4	XAD	WORK WORD
8	(8)	CHARACTER	8	XAX	WORK DOUBLE WORD
16	(10)	SIGNED	4	*	
16	(10)	CHARACTER	1	XAE	ERROR CODE Y02669
17	(11)	ADDRESS	3	XAR	PTR TO PARM LIST (REG1)
20	(14)	SIGNED	4	*	
20	(14)	CHARACTER	1	XAN	VERB INDEX Y02669
21	(15)	ADDRESS	3	XAL	PTR TO LIST POSITION
24	(18)	CHARACTER	8	XAV	VERB Y02669
24	(18)	SIGNED	4	XAV1	FIRST WORD OF XAV
28	(1C)	ADDRESS	4	XAV2	SECOND WORD OF XAV
32	(20)	CHARACTER	8	XAS	TEMPORARY SAVE AREA Y02669
40	(28)	CHARACTER	1	XARSV3	Reserved - was XAU (1-byte source console id)
41	(29)	CHARACTER	1	*	RESERVED Y02669
42	(2A)	SIGNED	2	XAA	ASID ENTRY INDICATOR Y02669
44	(2C)	SIGNED	4	XAK	KEPT FOR COMMUNICATIONS WITHIN A SINGLE COMMAND AFTER IE ECB808 FOR ATTACHED COMMANDS OR AFTER COMMAND EXIT AND SUBSYSTEM PROCESSING. BEFORE THEN IT CONTAINS THE ORIGINATING CONSOLE ID. (IEE0703D - STOP/MODIFY ALSO USES ORIGINATING CONSOLE ID

XSA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
					Comment
					Y02669
					THE FOLLOWING FIELDS EXIST ONLY IN THE SUBPOOL Y02669
					229 XSA IN z/OS
					Y02669
					End of Comment
					Comment
					SAVE AREA FOR SETLOCK INVOCATION Y02651
					THIS CONSISTS OF FOUR FULL WORDS USED TO SAVE Y02651
					REGISTERS 11, 12, 13, AND 14. Y02651
					THIS SAVE AREA IS ALSO DECLARED BELOW AS XASAVLOC, A
					4-ELEMENT ARRAY OF FULLWORDS.
					End of Comment
48	(30)	CHARACTER	16	XASAVLOX	SETLOCK SAVE AREA
48	(30)	SIGNED	4	XASAVLC1	
52	(34)	SIGNED	4	XASAVLC2	
56	(38)	SIGNED	4	XASAVLC3	
60	(3C)	SIGNED	4	XASAVLC4	
					Comment
					STANDARD SAVE AREA Y02669
					THE ADDRESS OF THIS 18 FULL WORD AREA IS PASSED TO Y02669
					THOSE ROUTINES INVOKED BY SVC 34 WHICH REQUIRE A SAVE Y02669
					AREA. Y02669
					THIS SAVE AREA IS ALSO DECLARED BELOW AS XASAVSTD,
					AN 18-ELEMENT ARRAY OF FULLWORDS.
					End of Comment
64	(40)	CHARACTER	72	XASAVSTR	STANDARD SAVE AREA
64	(40)	SIGNED	4	XASAVSDA	
68	(44)	SIGNED	4	XASAVSDB	
72	(48)	SIGNED	4	XASAVSDC	
76	(4C)	SIGNED	4	XASAVSDD	
80	(50)	SIGNED	4	XASAVSDE	
84	(54)	SIGNED	4	XASAVSDF	
88	(58)	SIGNED	4	XASAVSDG	
92	(5C)	SIGNED	4	XASAVSDH	
96	(60)	SIGNED	4	XASAVSDI	
100	(64)	SIGNED	4	XASAVSDJ	
104	(68)	SIGNED	4	XASAVSDK	
108	(6C)	SIGNED	4	XASAVSDL	
112	(70)	SIGNED	4	XASAVSDM	
116	(74)	SIGNED	4	XASAVSDN	
120	(78)	SIGNED	4	XASAVSDO	
124	(7C)	SIGNED	4	XASAVSDP	
128	(80)	SIGNED	4	XASAVSDQ	
132	(84)	SIGNED	4	XASAVSDR	
136	(88)	CHARACTER	16	*	
					Comment
					SVC 34 COMMAND FLAGS
					THE FIRST HALF WORD CONTAINS A COPY OF THE 3RD AND
					4TH BYTES OF THE SVC 34 PARAMETER LIST PROVIDED THE
					HIGH ORDER BIT IN THE FIRST BYTE OF THE PARAMETER
					LIST IS ON.
					End of Comment
136	(88)	UNSIGNED	4	XACMFLGS	COMMAND FLAGS
					Comment
					THE XACMFLGA FIELD MUST BE EXACTLY MAPPED BY THE
					MGCELFL FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE)
					End of Comment

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
136	(88)	UNSIGNED	2	XACMFLGA	PART 1 OF COMMAND FLAGS
136	(88)	BITSTRING	1	XACMFLG1	1ST FLAG BYTE
		1...		XACMF11	EXTENDED FORM (MGRCE) PARAMETER LIST IS BEING USED
		.1.		XACMF12	COMMAND ISSUED BY SUBSYSTEM
		..1.		XACMF13	COMMAND ISSUED BY MODULE IEAVC700
		...1		XACMF14	COMMAND IS NOT TO BE HARDCOPIED
		.... 1..		XACMF15	A TOKEN EXISTS
		.... .1.		XACMF16	CONSID KEYWORD WAS SPECIFIED IN MGRCE
		.... ..1.		XACMF17	CONSNAM KEYWORD WAS SPECIFIED IN MGRCE
		.... ...1		XACMF18	COMMAND AUTHORITY WAS SPECIFIED IN MGRCE
137	(89)	BITSTRING	1	XACMFLG2	2ND FLAG BYTE
		1...		XACMF21	COMMAND IS AUTHORIZED TO BYPASS SSI,USER EXITS, CMDAUTH AND SYMBOLIC SUBSTITUTION
		.1..		XACMF22	NO PREFIX PROCESSING
		.1.		XACMF23	CART SPECIFIED IN MGRCE
		...1		XACMF24	CONSOLXX QUEUED COMMAND
		.... 1..		XACMF25	A UTOKEN WAS SPECIFIED ON MGRCE
		.... .1.		XACMF26	COMMAND WAS ROUTED
		.... ..1.		XACMF27	BYPASS DEQ INDICATOR
		.... ...1		XACMF28	DEFERRED COMMAND EXECUTION
138	(8A)	UNSIGNED	2	XACMFLGB	PART 2 OF COMMAND FLAGS
138	(8A)	BITSTRING	1	XACMFLG3	3RD FLAG BYTE
		1...		XACMF31	UNCOND SPECIFIED ON VARY
		.1.		XACMF32	FORCE OPTION SPECIFIED WITH VARY
		..1.		XACMF33	LOCKS HELD INDICATOR - '1' IF LOCKS ARE HELD, '0' IF LOCKS ARE NOT HELD
		...1		XACMF34	MESSAGE INDICATOR USED BY IEE4603D IEE4903D AND IEE7703D
		.... 1..		XACRESET	RESET OPERAND SPECIFIED ON VARY OFFLINE
		.... .1.		XACUIRMG	ISSUE CUIR MESSAGE
		.... ..1.		XACOFFLN	OFFLINE KEYWORD SPECIFIED
		.... ...1		*	Reserved, was XACSYSMC
139	(8B)	BITSTRING	1	XACMFLG4	4TH FLAG BYTE
		1...		XACMF41	COMMAND PREFIX SPECIFIED
		.1..		XATJY	On indicates XAA contains a TJID
		..1.		XACMF43	IEE4603D usage: indicates that device is changing from console state to ON/OFFLINE state
		...1		XACMF44	Command routed by ROUTE *ALL command
		.... 1..		XABEWTO	IEE1503D should issue a branch entry WTO
		.... .1.		XASUBSTU	Command symbolic substitution has occurred
		.... ..1.		XANOBY	Do not bypass RACROUTE for requeued commands
		.... ...1		XAHCONLY	Issue msgs to Hardcopy Only
140	(8C)	CHARACTER	4	XACTOKEN	31 BIT RIGHT JUSTIFIED TOKEN
		1...		XACTOKHR	A TOKEN EXISTS
144	(90)	CHARACTER	4	XACBID	CONTROL BLOCK ID 'XSA '
148	(94)	ADDRESS	4	XAMSRAS	POINTER TO MASTER SCHEDULER RAS DATA COMMUNICATIONS AREA

Comment

WORK POINTER SAVE AREA
TO BE USED WITHIN A SINGLE COMMAND PROCESSOR

End of Comment

152	(98)	CHARACTER	32	XAWORK	WORK POINTER AREA
152	(98)	SIGNED	4	XAWORKA	WORK POINTER 1
156	(9C)	SIGNED	4	XAWORKB	WORK POINTER 2
160	(A0)	SIGNED	4	XAWORKC	WORK POINTER 3
164	(A4)	SIGNED	4	XAWORKD	WORK POINTER 4
168	(A8)	SIGNED	4	XAWORKE	WORK POINTER 5
172	(AC)	SIGNED	4	XAWORKF	WORK POINTER 6
176	(B0)	SIGNED	4	XAWORKG	WORK POINTER 7
180	(B4)	SIGNED	4	XAWORKH	WORK POINTER 8

Comment

VERSION LEVEL OF THIS MACRO

End of Comment

184	(B8)	CHARACTER	216	*	
184	(B8)	UNSIGNED	1	XAVERSN	VERSION LEVEL OF XSA. UPDATED FOR SIZE OR INCOMPATABLE CHANGE
185	(B9)	CHARACTER	3	XAWORKI	3 BYTE WORK AREA
188	(BC)	SIGNED	4	XAWORKJ	WORK AREA
192	(C0)	SIGNED	4	XARN003D	RETURN ADDRESS FOR SVC 34 (IEE0003D)

XSA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
196	(C4)	SIGNED	4	XARN303D	RETURN ADDRESS FOR SVC 34 (IEE0303D)
200	(C8)	SIGNED	4	XABS303D	ADDRESSIBILITY FOR IEE0303D
204	(CC)	SIGNED	4	XABS403D	ADDRESSIBILITY FOR IEE0403D
Comment					
ROUTING CODE KEYWORD VALUES					
End of Comment					
208	(D0)	CHARACTER	16	XARTCODE	ROUTING CODES SPECIFIED ON THE ROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
224	(E0)	CHARACTER	16	XAAROUT	ROUTING CODES SPECIFIED ON THE AROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
240	(F0)	CHARACTER	16	XADROUT	ROUTING CODES SPECIFIED ON THE DROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
Comment					
ADDRESSIBILITY FOR SVC 34 CSECTS					
End of Comment					
256	(100)	ADDRESS	4	XABS203D	ADDRESS OF GLUE ROUTINE - IEE0203D
260	(104)	ADDRESS	4	XAVTAM	ADDRESS OF VTAM ROUTINE - ISTCFF3D
264	(108)	ADDRESS	4	XATCAM	ADDRESS OF TCAM ROUTINE - IED1303D
268	(10C)	BITSTRING	1	XAGLUE	FLAGS FOR GLUE ROUTINE
		1... ..		XANETMOD	IF ON, VTAM PROCESSING
		.1... ..		XATPMOD	IF ON, TCAM PROCESSING
269	(10D)	BITSTRING	1	XAFLAGS	MISCELLANEOUS FLAGS
		1... ..		XAMULTI	MULTIPLE INSERTS PASSED AS INPUT TO IEE0503D
		.1... ..		XATRNSPT	COMMAND HAS BEEN TRANSPORTED TO ANOTHER SYSTEM FOR PROCESSING
		..1... ..		XACATP	COMMAND IS TRANSPORTED BY COMMAND ASSOCIATION PROCESSING
		...1... ..		XACARJ	COMMAND IS REJECTED BY COMMAND ASSOCIATION, ASSOCIATED SYSTEM IS NOT ACTIVE
		.... 1...		XAPREFIXREJECTED	Command is rejected by CPF processing because the issuer is not authorized by the security product to route commands to the target system
		.... .1..		XAGOTCA	IEECB920 obtained a compressed ACEE that should be freed by IEE0003D
		.... ..11		XAMRES2	RESERVED
270	(10E)	CHARACTER	1	XARES	RESERVED
271	(10F)	UNSIGNED	1	XAMIGID_4_TRK	Migration console id saved for console id tracking
272	(110)	ADDRESS	4	XARN403D	RETURN ADDRESS FOR SVC 34 (IEE0403D)
276	(114)	CHARACTER	8	XACONSNT	TARGET CONSOLE NAME
284	(11C)	CHARACTER	8	XACONSNI	ISSUING CONSOLE NAME
292	(124)	UNSIGNED	4	XACNSIDT	FOUR BYTE TARGET CONSOLE ID
292	(124)	UNSIGNED	1	XACNSTCL	TARGET CONSOLE CLASS
293	(125)	UNSIGNED	3	XACNSTID	TARGET CONSOLE ID
296	(128)	UNSIGNED	4	XACNSIDI	FOUR BYTE ISSUING CONSOLE ID
296	(128)	UNSIGNED	1	XACNSICL	ISSUING CONSOLE CLASS
297	(129)	UNSIGNED	3	XACNSIID	ISSUING CONSOLE ID
300	(12C)	CHARACTER	1	XACMDF	COMMAND FLAGS
		1... ..		XACNMCS	NON-MCS CONSOLE
		.1... ..		XACPLVAL	VALID MGCRE PARAMETER LIST
		..1... ..		XAGBDATA	TARGET CONSOLE HAS GLOBAL DATA
		...1... ..		XARPLY	COMMAND IS A REPLY
		.... 1...		XARPLYS	COMMAND IS SECURITY REPLY
		.... .1..		XACRUNSYNCH	Run the command synchronously
		.... ..1.		XACDONOXSYS	Do no xsysmc mcs calls. The caller may or may not hold the xsysmc resource(s), but in either case will take care of doing the update
		.... ...1		XACDOXSYSGETFREE	Do the xsysmc get and free, but skip the update. The caller will take care of doing the update.
Comment					
THE XADISP FIELD MUST BE EXACTLY MAPPED BY THE CHDISP FIELD IN THE CSCB (IEECHAIN) AND THE MGCEDISP FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE).					
End of Comment					
301	(12D)	BITSTRING	1	XADISP	COMMAND DISPOSITION
		1... ..		XADISPA	COMMAND HAS MASTER AUTHORITY AUTHORITY

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
		.1..		XADISPM	COMMAND HAS MASTER AUTHORITY. IBM RECOMMENDS USING XADISPA INSTEAD OF XADISPM
		..1.		XADISPC	COMMAND WAS ISSUED FROM AN MCS CONSOLE
		...1		XADISPR	COMMAND WAS ISSUED BEFORE RACF WAS ACTIVATED
		.... 1...		XADISPE	COMMAND WAS ISSUED BY ARM
		.... .111		XAARES1	RESERVED
Comment					
THE XAAUTH FIELD MUST BE EXACTLY MAPPED BY THE CHAUTH FIELD IN THE CSCB (IEECHAIN) AND THE MGCEAUTH FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE).					
End of Comment					
302	(12E)	CHARACTER	2	XAAUTH	COMMAND AUTHORITY LEVEL
302	(12E)	BITSTRING	1	XAAUTHA	BYTE ONE
		1...		XAAUTH1	COMMAND HAS SYS AUTHORITY
		.1..		XAAUTH2	COMMAND HAS I/O AUTHORITY
		..1.		XAAUTH3	COMMAND HAS CONS AUTHORITY
		...1 1111		*	RESERVED
303	(12F)	BITSTRING	1	XAAUTHB	BYTE TWO, RESERVED
304	(130)	ADDRESS	4	XACCTXTP	POINTER TO COMMAND TEXT
308	(134)	UNSIGNED	2	XACCLEN	COMMAND TEXT LENGTH
310	(136)	CHARACTER	2	XARESX	RESERVED
312	(138)	ADDRESS	4	XAXSAX	Pointer to XSA Extension (XSAX)
316	(13C)	ADDRESS	4	XALSAV	POINTER TO OLD COMMAND LINE
320	(140)	CHARACTER	8	XACART	COMMAND AND RESPONSE TOKEN
328	(148)	CHARACTER	4	XACCERFL	COMMAND EXIT REQUEST FLAGS
328	(148)	BITSTRING	1	XACCERF1	REQUEST FLAG BYTE ONE
		1...		XACRMI	COMMAND IMAGE WAS CHANGED
		.1..		XACRAUT	COMMAND AUTHORITY LEVEL WAS CHANGED
		..1.		XACRNMG	Request system not produce IEE2951 message.
		...1		XACRNHC	Request that system not hardcopy altered command.
		.... 1111		*	RESERVED
329	(149)	BITSTRING	1	XACCERF2	REQUEST FLAG BYTE TWO, RESERVED
330	(14A)	BITSTRING	1	XACCERF3	REQUEST FLAG BYTE THREE, RESERVED
331	(14B)	BITSTRING	1	XACCERF4	REQUEST FLAG BYTE FOUR, RESERVED
332	(14C)	CHARACTER	8	XADSYSN	THE ORIGINATING SYSTEM NAME
340	(154)	CHARACTER	8	XASYSNT	TARGET SYSTEM NAME
348	(15C)	CHARACTER	10	XALPARM	L= PARAMETER
358	(166)	UNSIGNED	1	XALPOS	POSITION OF L= IN COMMAND BUFFER
359	(167)	UNSIGNED	1	XARES1	RESERVED
360	(168)	ADDRESS	4	XAUTOK	POINTER TO UTOKEN
364	(16C)	ADDRESS	4	XARNAME	POINTER TO 39 BYTE STORAGE FOR RNAME
368	(170)	ADDRESS	4	XACMDAUT	POINTER FOR CMDAUTH PARAMETER LIST AND FOR RESOURCE NAME
Comment					
THE FOLLOWING FIELD IS TO BE USED BY ALL SVC 34 COMMAND PROCESSORS WHO LOSE ADDRESSABILITY AS A RESULT OF CALLING ANOTHER SVC 34 MODULE. CURRENT USERS ARE AND IEE4003D AND IEE5003D.					
End of Comment					
372	(174)	ADDRESS	4	XACMDSAV	POINTER TO SAVEAREA
Comment					
XACSNM STORES THE COMMAND ASSOCIATION FOR A MCS CONSOLE OR AN EXTENDED MCS CONSOLE. IEE0003D DETERMINES THE VALUE FOR XACSNM. IEE5403D AND IEE1C03D USE THIS VALUE FOR COMMAND ASSOCIATION PROCESSING.					
End of Comment					
376	(178)	CHARACTER	8	XACSNM	COMMAND ASSOCIATION
384	(180)	ADDRESS	4	XACGFS	POINTER TO CGFS PARMLIST
388	(184)	ADDRESS	4	XACETXTP	POINTER TO ORIGINAL CMD
392	(188)	SIGNED	4	XAWORKY	WORK AREA
396	(18C)	SIGNED	4	XAWORKZ	WORK AREA

XSA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	EEXSAS01	
0	(0)	CHARACTER	4	XAH	RECORD HEADER
4	(4)	CHARACTER	8	XAI	MESSAGE ID
12	(C)	CHARACTER	8	XAF	FILL (VARIABLE TEXT)
20	(14)	CHARACTER	24	XAT	PRE-FORMATTED TEXT, DESCRIPTOR CODE, ROUTING CODE
44	(2C)	SIGNED	4	*	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS02	
0	(0)	CHARACTER	1	XADUSWIT	UNIT FIELD SCAN SWITCHES
		1... ..		XAXPAREN	EXTERIOR PARENS
		.1... ..		XAIPAREN	INTERIOR PARENS
		..1... ..		XARES2	RESERVED
		...1... ..		XAUDVC	NON-CONSOLE DEV
		.... 1... ..		XARES3	RESERVED
		.... .1... ..		XARSV7	Reserved - was XAIOCOMP (Composite Console)
		.... ..1... ..		XARSV8	Reserved was XAUNIT (O-UNIT DEVICE)
		.... ...1... ..		XAUBLANK	MESSAGE ISSUANCE INDICATOR
1	(1)	CHARACTER	1	XARES4	Reserved (formerly XADUD) 3@LSD
2	(2)	CHARACTER	2	XACAHOLD	ISSUER CMD AUTH

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS03	Y02669 Y02669
0	(0)	ADDRESS	1	XARSV2	Reserved - was XASCID (1- byte target console id)
1	(1)	CHARACTER	1	XASDID	DISPLAY AREA ID Y02669
2	(2)	CHARACTER	1	XASDS	SDS SWITCHES Y02669
		1... ..		XASSDS1	THIS COMMAND IS A STATUS DISPLAY Y02669
		.1... ..		XASSDS2	L OPERAND IS SPECIFIED ON COMMAND Y02669
		..1... ..		XASSDS3	COMMAND ISSUER IS NOT COMMTASK
		...1... ..		XASRSV1	Reserved - was XASSDS4 (L= operand specified in RCT)
		.... 1... ..		XASSDS5	LOCAL AND CMS LOCKS HELD Y02651
		.... .1... ..		XASRSV2	Reserved - was XASSDS6 (MSGRT CONTINUATION FLAG)
		.... ..1... ..		XASSDS7	MSG MUST BE ISSUED VIA WTO
		.... ...1... ..		XASSDS8	L=NAME-A MUST BE REMOVED
3	(3)	ADDRESS	1	XASPLS3	RESERVED Y02669
4	(4)	SIGNED	4	*	MESSAGE INFO Y02669
4	(4)	ADDRESS	1	XASTSAVE	ERROR CODE - MINOR Y02669
5	(5)	ADDRESS	3	XASOPTR	POINTER TO INVALID OPERAND Y02669

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS05	
0	(0)	CHARACTER	1	XASOPCOD	OPERAND CODES
		1... ..		XACON	CONSOLE
		.1... ..		XARES5	Reserved (formerly XAUDSPEC)
		..1... ..		XAON	ONLINE
		...1... ..		XAOFF	OFFLINE
		.... 1... ..		XAROUTKW	ROUT KEYWORD SPECIFIED ON VARY COMMAND
		.... .1... ..		XARSV5	Reserved - was XALTCOM (Alternate console is o-unit)
		.... ..1... ..		XACMD	COMD AUTH IS TO BE CHANGED
		.... ...1... ..		XARSV6	Reserved - was XALTCON (Alternate console is composite)
1	(1)	CHARACTER	1	XASWITCH	SYNTAX INDICATORS AND SWITCHES
		1... ..		XAROUT	ROUTE CODE IS TO BE CHANGED
		.1... ..		XAHRDCMD	HARDCOPY OF COMMANDS WANTED
		..1... ..		XAINHDCP	INCMDS
		...1... ..		XASTHDCP	STCMDS
		.... 1... ..		XAHRDREQ	HARDCOPY REQUIRED@Z30LPSV
		.... .1... ..		XASMF42	SMF ROUTER SWITCH IEE4203D
		.... ..1... ..		XASMF44	SMF ROUTER SWITCH IEE4403D
		.... ...1... ..		XACNCNG	CONSOLE STATE CHANGE INDICATOR USED BY IEE4603D
2	(2)	CHARACTER	1	XARESV	EXITS TO AND FROM IEE4803D AND IEE7303D
		1... ..		XACENDCK	BRNCH TO CENDCHK
		.1... ..		XACRT2	BRNCH TO CRT2
3	(3)	CHARACTER	1	XARSV4	Reserved - was XALTPTR (1-byte alternate console id)
4	(4)	CHARACTER	2	XACMDATH	COMMAND AUTH IN COMMAND
6	(6)	CHARACTER	1	XASOPFLG	OPERAND AND THEIR KEYWORD INDICATORS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
7	(7)	1... .. CHARACTER	1	XACMDISM XARES9	CONSOLE IS TO HAVE MASTER AUTHORITY RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	2	EEXSAS06	
0	(0)	CHARACTER	1	XAAVRANG	RANGE FLAGS 1
		1... ..		XAARNG1	VARY RANGE IN PROCESS
		.1... ..		XAARNG2	VARY ENQ RESOURCE HELD
		..1... ..		XAARNG3	VARY RANGE TERMINATION EXIT TO BE TAKEN
		...1... ..		XAARNG4	REQUEST TYPE: ON - ONLINE OFF - OFFLINE
		.... 1...		XAARNG5	ALTERNATE PATH FOUND FOR AT LEAST ONE UNIT OR ZERO UCCTYPE FIELD. D U COUNT NOT INCREMENTED.
		.... .1..		XAARNG6	RESERVED
		.... ..1.		XAARNG7	RESERVED
		.... ...1		XAARNG8	RESERVED
1	(1)	CHARACTER	1	XAAVRNG2	RANGE FLAGS 2
		1... ..		XAARNG9	RESERVED
		.1... ..		XAARNG10	RESERVED
		..1... ..		XAARNG11	RESERVED
		...1... ..		XAARNG12	RESERVED
		.... 1...		XAARNG13	RESERVED
		.... .1..		XAARNG14	RESERVED
		.... ..1.		XAARNG15	RESERVED
		.... ...1		XAARNG16	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	EEXSAS07	
0	(0)	ADDRESS	4	XACMDPLA	ADDR OF PARMETER LIST OF THE COMMAND ATTACHED BY IEE8003D
4	(4)	ADDRESS	4	XASAVREG	AREA TO SAVE REG3 FOR IEE8303D
8	(8)	CHARACTER	8	*	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS09	
0	(0)	CHARACTER	1	XADSFGL1	Flags
		1... ..		XADRLOCL	Input command is a local REPLY
		.111 1111		*	Reserved
1	(1)	UNSIGNED	1	XADRCODE	Return code
2	(2)	CHARACTER	2	XADRESV	Reserved

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS10	
0	(0)	ADDRESS	4	XADPSUBP	Address of pre-substitution command buffer

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	XADPSUBB	Buffer map for pre- substitution command
0	(0)	SIGNED	2	XADPSUBL	Length of pre-substitution command text
2	(2)	CHARACTER	*	XADPSUBT	Text of pre-substitution command (Maximum 126 characters)

XSA Constants • XSA Cross Reference

XSA Constants

Len	Type	Value	Name	Description
4	DECIMAL	39	XARNMLEN	LENGTH OF THE STORAGE THAT XARNAME POINTS TO
Comment				
VALUES FOR THE VERSION LEVEL(XAVERSN)				
End of Comment				
1	DECIMAL	1	XASP21	Level HBB2102
1	DECIMAL	2	XASP22	Level JBB2220
1	DECIMAL	3	XASP31	Level HBB3310
1	DECIMAL	4	XASP313	Level JBB3313
1	DECIMAL	5	XASP410	Level HBB4410
1	DECIMAL	6	XASP420	Level HBB4420
1	DECIMAL	6	XAVERID	Current Level
1	DECIMAL	0	XADSUBT	Substitution occurred
1	DECIMAL	4	XADNOSUB	Substitution did not occur
4	CHARACTER	XSAX	XSAX_ACRO	Acronym for XSAX
4	DECIMAL	1	XSAX_VERS_HBB7730	Version for HBB7730
4	DECIMAL	1	XSAX_CURR_VERSION	Current version

XSA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EEXSAS01	0		XACCERF2	149	
EEXSAS02	0		XACCERF3	14A	
EEXSAS03	0		XACCERF4	14B	
EEXSAS05	0		XACCLEN	134	
EEXSAS06	0		XACCTXT	130	
EEXSAS07	0		XACDONOXSYS	12C	02
EEXSAS09	0		XACDOXSYSGETFREE		
EEXSAS10	0			12C	01
XAA	2A		XACENDCK	2	80
XAARES1	12D	07	XACETXT	184	
XAARNG1	0	80	XACGFS	180	
XAARNG10	1	40	XACMD	0	02
XAARNG11	1	20	XACMDATH	4	
XAARNG12	1	10	XACMDAUT	170	
XAARNG13	1	08	XACMDF	12C	
XAARNG14	1	04	XACMDISM	6	80
XAARNG15	1	02	XACMDPLA	0	
XAARNG16	1	01	XACMDSAV	174	
XAARNG2	0	40	XACMFLGA	88	
XAARNG3	0	20	XACMFLGB	8A	
XAARNG4	0	10	XACMFLGS	88	
XAARNG5	0	08	XACMFLG1	88	
XAARNG6	0	04	XACMFLG2	89	
XAARNG7	0	02	XACMFLG3	8A	
XAARNG8	0	01	XACMFLG4	8B	
XAARNG9	1	80	XACMF11	88	80
XAAROUT	E0		XACMF12	88	40
XAAUTH	12E		XACMF13	88	20
XAAUTHA	12E		XACMF14	88	10
XAAUTHB	12F		XACMF15	88	08
XAAUTH1	12E	80	XACMF16	88	04
XAAUTH2	12E	40	XACMF17	88	02
XAAUTH3	12E	20	XACMF18	88	01
XAAVRANG	0		XACMF21	89	80
XAAVRNG2	1		XACMF22	89	40
XABEWTO	8B	08	XACMF23	89	20
XABS203D	100		XACMF24	89	10
XABS303D	C8		XACMF25	89	08
XABS403D	CC		XACMF26	89	04
XACAHOLD	2		XACMF27	89	02
XACARJ	10D	10	XACMF28	89	01
XACART	140		XACMF31	8A	80
XACATP	10D	20	XACMF32	8A	40
XACBID	90		XACMF33	8A	20
XACCERFL	148		XACMF34	8A	10
XACCERF1	148		XACMF41	8B	80

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
XACMF43	8B	20	XAR	10D	08
XACMF44	8B	10	XARES	11	
XACNMCS	12C	80	XARESV	10E	
XACNCNG	1	01	XARESV	2	
XACNSICL	128		XARESX	136	
XACNSIDI	128		XARES1	167	
XACNSIDT	124		XARES2	0	20
XACNSIID	129		XARES3	0	08
XACNSTCL	124		XARES4	1	
XACNSTID	125		XARES5	0	40
XACOFFLN	8A	02	XARES9	7	
XACON	0	80	XARNAME	16C	
XACONSNI	11C		XARN003D	C0	
XACONSNT	114		XARN303D	C4	
XACPLVAL	12C	40	XARN403D	110	
XACRAUT	148	40	XAROUT	1	80
XACRESET	8A	08	XAROUTKW	0	08
XACRMI	148	80	XARPLY	12C	10
XACRNHC	148	10	XARPLYS	12C	08
XACRNMG	148	20	XARSV2	0	
XACRT2	2	40	XARSV3	28	
XACRUNSYNCH	12C	04	XARSV4	3	
XACSNM	178		XARSV5	0	04
XACTOKEN	8C		XARSV6	0	01
XACTOKHR	8C	80	XARSV7	0	04
XACUIRMG	8A	04	XARSV8	0	02
XAD	4		XARTCODE	D0	
XADISP	12D		XAS	20	
XADISPA	12D	80	XASAVLC1	30	
XADISPC	12D	20	XASAVLC2	34	
XADISPE	12D	08	XASAVLC3	38	
XADISPM	12D	40	XASAVLC4	3C	
XADISPR	12D	10	XASAVLOX	30	
XADPSUBB	0		XASAVREG	4	
XADPSUBL	0		XASAVSDA	40	
XADPSUBP	0		XASAVSDB	44	
XADPSUBT	2		XASAVSDC	48	
XADRCODE	1		XASAVSDD	4C	
XADRESV	2		XASAVSDE	50	
XADRLOCL	0	80	XASAVSDF	54	
XADROUT	F0		XASAVSDG	58	
XADSFLG1	0		XASAVSDH	5C	
XADSYSN	14C		XASAVSDI	60	
XADUSWIT	0		XASAVSDJ	64	
XAE	10		XASAVSDK	68	
XAF	C		XASAVSDL	6C	
XAFLAGS	10D		XASAVSDM	70	
XAGBDATA	12C	20	XASAVSDN	74	
XAGLUE	10C		XASAVSDO	78	
XAGOTCA	10D	04	XASAVSDP	7C	
XAH	0		XASAVSDQ	80	
XAHONLY	8B	01	XASAVSDR	84	
XAHRDCMD	1	40	XASAVSTR	40	
XAHRDREQ	1	08	XASDID	1	
XAI	4		XASDS	2	
XAINHDCP	1	20	XASMF42	1	04
XAIPAREN	0	40	XASMF44	1	02
XAK	2C		XASOPCOD	0	
XAL	15		XASOPFLG	6	
XALPARM	15C		XASOPTR	5	
XALPOS	166		XASPLS3	3	
XALSAV	13C		XASRSV1	2	10
XAMIGID_4_TRK			XASRSV2	2	04
	10F		XASSDS1	2	80
XAMRES2	10D	03	XASSDS2	2	40
XAMSRAS	94		XASSDS3	2	20
XAMULTI	10D	80	XASSDS5	2	08
XAN	14		XASSDS7	2	02
XANETMOD	10C	80	XASSDS8	2	01
XANOBY	8B	02	XASTHDCP	1	10
XAOFF	0	10	XASTSAVE	4	
XAON	0	20	XASUBSTU	8B	04
XAP	0		XASVRB	0	
XAPREFIXREJECTED			XASWITCH	1	

XSA Cross Reference

Name	Hex Offset	Hex Value
XASYSNT	154	
XAT	14	
XATCAM	108	
XATJY	8B	40
XATPMOD	10C	40
XATRNSPT	10D	40
XAUBLANK	0	01
XAUDVC	0	10
XAUTOK	168	
XAV	18	
XAVERSN	B8	
XAVTAM	104	
XAV1	18	
XAV2	1C	
XAWORK	98	
XAWORKA	98	
XAWORKB	9C	
XAWORKC	A0	
XAWORKD	A4	
XAWORKE	A8	
XAWORKF	AC	
XAWORKG	B0	
XAWORKH	B4	
XAWORKI	B9	
XAWORKJ	BC	
XAWORKY	188	
XAWORKZ	18C	
XAX	8	
XAXPAREN	0	80
XAXSAX	138	
XSA	0	
XSAMAP	0	

XSB Information

XSB Heading Information

Common Name: EXTENDED STATUS BLOCK
Macro ID: IHAXSB
DSECT Name: XSB
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: XSB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 255 (ELSQA) OR 238 (COMMON)
 Key: 0
 Residency: ABOVE 16 MB LINE
Size: 128 BYTES
Created by: IEAVEXPM
 IEAVESVC
 IEAVEMIN
 IEAMSWCB
 IEAVESPM
Pointed to by: IHSAXSB FOR XSB OF IHSA
 SSRBXSX FOR XSB OF SSRB
 RBXSX FOR XSB OF IRB,PRB,SIRB,SVRB
 TCBXSX CURRENT XSB OF TASK
Serialization: XSB OF IHSA - LOCAL LOCK
 XSB OF SSRB - N/A
 XSB OF IRB,PRB,SIRB,SVRB - TCBACTIV
Function: CONTAINS ADDITIONAL INFORMATION REQUIRED FOR DISPATCH OR
 REDISPATCH OF WORK UNIT.

XSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XSB	
0	(0)	DBL WORD	8	XSBBEGIN (0)	BEGINNING OF XSB.
0	(0)	CHARACTER	4	XSBXSX	XSB ACRONYM.
4	(4)	SIGNED	4	XSBLINK (0)	LINK TO NEXT AVAILABLE XSB IN POOL. SET BY EXIT, IEAVEOR, WHEN PUTTING XSB IN POOL. CLEARED BY STAGE 3, IEAVEEE0, WHEN ASSIGNING XSB TO AN IRB.
4	(4)	SIGNED	4	XSBFLGS (0)	XSB FLAGS.
4	(4)	BITSTRING	1	XSBFLGS1	First flag byte
		1... ..		XSBPSRBI	"X'80" Used internally by RTM processing
5	(5)	BITSTRING	3	XSBR005	RESERVED
8	(8)	DBL WORD	8	XSB_PRIVATE_WORKAREA_START (0)	
8	(8)	DBL WORD	8	XSBR008 (0)	RESERVED. WAS XSBXMCRS
8	(8)	SIGNED	2		OLD XSBKM FIELD. NOW MOVED.
10	(A)	SIGNED	2		OLD XSBSASID FIELD. NOW MOVED.
12	(C)	SIGNED	2		OLD XSBAX FIELD. NOW MOVED.
14	(E)	SIGNED	2		OLD XSBPASID FIELD. NOW MOVED.
16	(10)	DBL WORD	8	XSBMCLE (0)	CML LOCK STATUS ELEMENT.
16	(10)	ADDRESS	4	XSBXLIDR	DATA FOR IDENTIFICATION OF CML REQUESTOR. ASID ASSOCIATED WITH SRB MODE CML LOCK REQUESTOR (IN XSB OF SSRB).
20	(14)	ADDRESS	4	XSBXLAS	ASCB ADDRESS OF CML LOCK REQUESTED/OWNED.
24	(18)	DBL WORD	8	XSBSTKE (0)	CURRENT PCLINK STACK INFORMATION.
24	(18)	SIGNED	2	XSBTKN	CURRENT STACK TOKEN.
26	(1A)	SIGNED	2	XSBASD	CURRENT STACK ADDRESS SPACE DESIGNATOR.
28	(1C)	ADDRESS	4	XSBSEL	CURRENT STACK ELEMENT ADDRESS.
32	(20)	BITSTRING	4	XSBRSRN	SUSPEND/RESUME SEQUENCE NUMBER OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV AND DISABLEMENT
36	(24)	SIGNED	4	XSBEAXW (0)	EAX VALUE WORD.
36	(24)	SIGNED	2	XSBEAX	EAX VALUE.
38	(26)	SIGNED	2		LOWER HALF OF FULLWORD USED TO HOLD EAX VALUE - PROVIDED SO THAT STCTL CAN BE USED TO STORE CONTROL REGISTER 8 INTO XSBEAXW. THE CONTENTS OF THIS HALFWORD ARE UNPREDICTABLE.
40	(28)	ADDRESS	4	XSBALOV	DISPATCHABLE UNIT ACCESS LIST VIRTUAL ADDRESS.
44	(2C)	ADDRESS	4	XSBALD	DISPATCHABLE UNIT ACCESS LIST REAL ADDRESS.
48	(30)	BITSTRING	64	XSBARS (0)	ACCESS REGISTER SAVEAREA.
48	(30)	SIGNED	4	XSBAR0	ACCESS REGISTER 0.
52	(34)	SIGNED	4	XSBAR1	ACCESS REGISTER 1.
56	(38)	SIGNED	4	XSBAR2	ACCESS REGISTER 2.
60	(3C)	SIGNED	4	XSBAR3	ACCESS REGISTER 3.

XSB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
64	(40)	SIGNED	4	XSBAR4	ACCESS REGISTER 4.
68	(44)	SIGNED	4	XSBAR5	ACCESS REGISTER 5.
72	(48)	SIGNED	4	XSBAR6	ACCESS REGISTER 6.
76	(4C)	SIGNED	4	XSBAR7	ACCESS REGISTER 7.
80	(50)	SIGNED	4	XSBAR8	ACCESS REGISTER 8.
84	(54)	SIGNED	4	XSBAR9	ACCESS REGISTER 9.
88	(58)	SIGNED	4	XSBARA	ACCESS REGISTER 10.
92	(5C)	SIGNED	4	XSBARB	ACCESS REGISTER 11.
96	(60)	SIGNED	4	XSBARC	ACCESS REGISTER 12.
100	(64)	SIGNED	4	XSBARD	ACCESS REGISTER 13.
104	(68)	SIGNED	4	XSBARE	ACCESS REGISTER 14.
108	(6C)	SIGNED	4	XSBARF	ACCESS REGISTER 15.
112	(70)	BITSTRING	1	XSBFLAG2	Flag byte. Cleared for SVRB.
		1...		XSBLSUSB	"X'80" LINKAGE STACK UNSTACK SUPPRESSION BIT.
		.1.		XBLSRST	"X'40" IF ONE, EXIT & EXIT PROLOG WILL NOT ENFORCE THE LINKAGE STACK CHECKPOINT, JUST RESTORE THE LINKAGE STACK. SET IN THE EXITING RB.
		..1.		XSBLSSEB	"X'20" LINKAGE STACK EXTRACT/MODIFY SUPPRESSION BIT
		.... .1.		XSBRELEASECODEVALID	"X'04" When on, indicates that this RB level was interrupted for RTM processing after it had been Released but before it could regain control, and that XSBReleaseCode contains its Release code. This indicator is reset by RTM
		.... ..1.		XSBFOUNDBUTLONGPARMBAD	"X'02" Found a potential match but could not use it because of LongParm. Keep looking. Used to differentiate between producing 306-44 and 806-04 abends
		.... ...1		XSBHAVELONGPARM	"X'01" Have LongParm
113	(71)	CHARACTER	3	XSBRELEASECODE	Release code when the current RB level was interrupted for RTM processing after it had been released but before it regained control. Valid only when XSBReleaseCodeValid is on
116	(74)	ADDRESS	4	XSBLSACP	LINKAGE STACK CHECKPOINT ADDRESS.
120	(78)	ADDRESS	4	XSBXSXB	POINTER TO SXSB.
124	(7C)	BITSTRING	4	XSBOR7C	RESERVED.
128	(80)	DBL WORD	8	(0)	
128	(80)	BITSTRING	64	XSBG64H (0)	64-BIT GPR HIGH ORDER HALF SAVEAREA
128	(80)	SIGNED	4	XSBG64H0	64-BIT GPR 0 BITS 0-31
132	(84)	SIGNED	4	XSBG64H1	64-BIT GPR 1 BITS 0-31
136	(88)	SIGNED	4	XSBG64H2	64-BIT GPR 2 BITS 0-31
140	(8C)	SIGNED	4	XSBG64H3	64-BIT GPR 3 BITS 0-31
144	(90)	SIGNED	4	XSBG64H4	64-BIT GPR 4 BITS 0-31
148	(94)	SIGNED	4	XSBG64H5	64-BIT GPR 5 BITS 0-31
152	(98)	SIGNED	4	XSBG64H6	64-BIT GPR 6 BITS 0-31
156	(9C)	SIGNED	4	XSBG64H7	64-BIT GPR 7 BITS 0-31
160	(A0)	SIGNED	4	XSBG64H8	64-BIT GPR 8 BITS 0-31
164	(A4)	SIGNED	4	XSBG64H9	64-BIT GPR 9 BITS 0-31
168	(A8)	SIGNED	4	XSBG64HA	64-BIT GPR 10 BITS 0-31
172	(AC)	SIGNED	4	XSBG64HB	64-BIT GPR 11 BITS 0-31
176	(B0)	SIGNED	4	XSBG64HC	64-BIT GPR 12 BITS 0-31
180	(B4)	SIGNED	4	XSBG64HD	64-BIT GPR 13 BITS 0-31
184	(B8)	SIGNED	4	XSBG64HE	64-BIT GPR 14 BITS 0-31
188	(BC)	SIGNED	4	XSBG64HF	64-BIT GPR 15 BITS 0-31
192	(C0)	BITSTRING	8	XSBRTRNE	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION IF PROGRAM INTERRUPT X'10', X'11', X'39', X'3A'
200	(C8)	BITSTRING	16	XSBXMC64 (0)	XM STATUS CONTROL REGS
200	(C8)	BITSTRING	8	XSBXMC643 (0)	CR3
200	(C8)	SIGNED	4	XSBXMC643_SINS	INSTANCE NUMBER
204	(CC)	SIGNED	4	XSBXMC643_KM_SASID (0)	
204	(CC)	BITSTRING	2	XSBXMC643_KM (0)	KEY MASK
204	(CC)	SIGNED	2	XSBKM	KEY MASK.
206	(CE)	BITSTRING	2	XSBXMC643_SASID (0)	
					SECONDARY ASID
206	(CE)	SIGNED	2	XSBASID	SECONDARY ASID.
208	(D0)	BITSTRING	8	XSBXMC644 (0)	CR3
208	(D0)	SIGNED	4	XSBXMC644_PINS	INSTANCE NUMBER
212	(D4)	SIGNED	4	XSBXMC644_AX_PASID (0)	
212	(D4)	BITSTRING	2	XSBXMC644_AX (0)	AUTHORIZATION INDEX

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
212	(D4)	SIGNED	2	XSBAX	AUTHORIZATION INDEX.
214	(D6)	BITSTRING	2	XSBXMC644_PASID (0)	
214	(D6)	SIGNED	2	XSBPASID	PRIMARY ASID
216	(D8)	BITSTRING	8	XSBRBEA	BREAKING EVENT ADDRESS
224	(E0)	BITSTRING.... ...1	16	XSBRP16 XSBRP16_AMODE64	16-byte psw analog of RBRTPSW1
		1...		XSBRP16_AMODE31	"X'01" AMODE 64 bit at offset 3
232	(E8)	BITSTRING	8	XSBRP16_IA	"X'80" AMODE 31 bit at offset 4
240	(F0)	BITSTRING.... ...1	16	XSBOPSW16 XSBOPSW16_AMODE64	8-byte instruction address
		1...		XSBOPSW16_AMODE31	16-BYTE PSW ANALOG OF RBOPSW
					"X'01" AMODE 64 bit at offset 3
					"X'80" AMODE 31 bit at offset 4
248	(F8)	BITSTRING	8	XSBOPSW16_IA	8-byte instruction address
248	(F8)	BITSTRING	4	XSBOPSW16_IA_0TO3	First 4 bytes of instruction address
252	(FC)	BITSTRING	4	XSBOPSW16_IA_4TO7	Second 4 bytes of instruction address
256	(100)	BITSTRING (0)	8	XSB_ORIG_RBOPSW (0)	Copy of RBOPSW at time of SVRB creation, or as RBOPSW is modified
256	(100)	BITSTRING	4	XSB_ORIG_RBOPSW_0TO3	
260	(104)	ADDRESS	4	XSB_ORIG_RBOPSW_IA	
264	(108)	BITSTRING	8	XSBEP8	8-byte analog of RBEP for IRB, SIRB
268	(10C)	BITSTRING	4	XSBEP8_4TO7	
268	(10C)	BITSTRING 1...	1	XSBEP8_4 XSBEP8_AMODE31	
					"X'80"
269	(10D)	BITSTRING	1	XSBEP8_5	
270	(10E)	BITSTRING	1	XSBEP8_6	
271	(10F)	BITSTRING.... ...1	1	XSBEP8_7 XSBEP8_PD	"X'01"
272	(110)	DBL WORD	8	XSBR108 (2)	
288	(120)	DBL WORD	8	XSBEND (0)	END OF XSB.
288	(120)	X'120'	0	XSBLEN	"XSBEND-XSBBEGIN" LENGTH OF XSB.
288	(120)	X'118'	0	XSB_PRIVATE_WORKAREA_LEN	"XSBEND-XSB_PRIVATE_WORKAREA_START"
288	(120)	X'8'	0	XSB_PRIVATE_WORKAREA_OFFSET	"XSBR008-XSB"
288	(120)	X'A'	0	XSBPCNT	"10" XSB POOL COUNT.
288	(120)	X'A'	0	XSBPXCNT	"10" XSB POOL EXTENT COUNT.

XSB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
XSB	0		XSBAR1	34	
XSB_ORIG_RBOPSW	100		XSBAR2	38	
XSB_ORIG_RBOPSW_IA	104		XSBAR3	3C	
XSB_ORIG_RBOPSW_0TO3	100		XSBAR4	40	
XSB_PRIVATE_WORKAREA_LEN	120	118	XSBAR5	44	
XSB_PRIVATE_WORKAREA_OFFSET	120	8	XSBAR6	48	
XSB_PRIVATE_WORKAREA_START	8		XSBAR7	4C	
XSBALD	2C		XSBAR8	50	
XSBALOV	28		XSBAR9	54	
XSBARA	58		XSBASD	1A	
XSBARB	5C		XSBAX	D4	
XSBARC	60		XSBBEGIN	0	
XSBARD	64		XSBKMLE	10	
XSBARE	68		XSBEAX	24	
XSBARF	6C		XSBEAXW	24	
XSBARS	30		XSBEND	120	
XSBAR0	30		XSBEP8	108	
			XSBEP8_AMODE31		
			XSBEP8_PD	10C	80
			XSBEP8_4	10C	1
			XSBEP8_4TO7	10C	
			XSBEP8_5	10D	

XSB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
XSBEP8_6	10E		XSBXMC643_KM_SASID		
XSBEP8_7	10F			CC	
XSBFLAG2	70		XSBXMC643_SASID		CE
XSBFLGS	4				
XSBFLGS1	4		XSBXMC643_SINS		C8
XSBFOUNDBUTLONGPARMBAD	70	2	XSBXMC644		D0
XSBG64H	80		XSBXMC644_AX		D4
XSBG64HA	A8		XSBXMC644_AX_PASID		D4
XSBG64HB	AC				
XSBG64HC	B0		XSBXMC644_PASID		D6
XSBG64HD	B4				
XSBG64HE	B8		XSBXMC644_PINS		D0
XSBG64HF	BC				
XSBG64H0	80		XSBXSB		0
XSBG64H1	84				
XSBG64H2	88				
XSBG64H3	8C				
XSBG64H4	90				
XSBG64H5	94				
XSBG64H6	98				
XSBG64H7	9C				
XSBG64H8	A0				
XSBG64H9	A4				
XSBHAVELONGPARM	70	1			
XSBKM	CC				
XSBLEN	120	120			
XSBLINK	4				
XSBLSCP	74				
XSBLSESB	70	20			
XSBLSRST	70	40			
XSBLSUSB	70	80			
XSBOPSW16	F0				
XSBOPSW16_AMODE31	F0	80			
XSBOPSW16_AMODE64	F0	1			
XSBOPSW16_IA	F8				
XSBOPSW16_IA_0TO3	F8				
XSBOPSW16_IA_4TO7	FC				
XSBPASID	D6				
XSBPCNT	120	A			
XSBPSRBI	4	80			
XSBPXCNT	120	A			
XSBRBEA	D8				
XSBRELEASECODE	71				
XSBRELEASECODEVALID	70	4			
XSBRP16	E0				
XSBRP16_AMODE31	E0	80			
XSBRP16_AMODE64	E0	1			
XSBRP16_IA	E8				
XSBRTRNE	C0				
XSBR005	5				
XSBR008	8				
XSBR07C	7C				
XSBR108	110				
XSBASASID	CE				
XSBSEL	1C				
XSBRSRN	20				
XSBSTKE	18				
XSBXSXB	78				
XSBTKN	18				
XSBXLAS	14				
XSBXLIDR	10				
XSBXMC64	C8				
XSBXMC643	C8				
XSBXMC643_KM	CC				

XTLST Information

XTLST Programming Interface information

Programming Interface information

XTLST

End of Programming Interface information

XTLST Heading Information • XTLST Map

XTLST Heading Information

Common Name: Extent List
Macro ID: IHAXTLST
DSECT Name: XTLST
Owning Component: Contents Supervision (SC1CJ)
Eye-Catcher ID: none
Storage Attributes: Subpool: 245 (global), 255 (local)
 Key: 0
Size: 16 bytes (single extent) + 8 bytes / additional extent
Created by: CSVFORKM (local) - CSV Fork exit processing

 CSVLLEXT (SP241 for exit CSVLLIX1) - Library Lookaside Exit Manager

 CSVLLTCH (local) - LLA module fetch

 CSVVFTCH (in VFWK) - Virtual Fetch

 IEAVID00 (local) - IDENTIFY JPA processing

 Certain DFSMS services

 IEAVID00 (global) - IDENTIFY LPA processing

 IEAVNPD5 (global) - Pageable Device support module loader
 CDXLMJP (field in CDE)
Pointed to by: Local Lock.
Serialization:
Function: The XTLST contains information about the number, size, and location of the extents of a load module or program object.

XTLST Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	XTLST	
0	(0)	SIGNED	4	XTLLNTH	- Number of bytes in extent list (=16)
4	(4)	SIGNED	4	XTLNRFAC	- Number of relocation factors (extents) =1
8	(8)	ADDRESS	4	XTLMSBLA (0)	- Fullword length of main storage block (module extent)
8	(8)	CHARACTER	1		- End of extent list indication (X'80')
9	(9)	ADDRESS	3	XTLMSBLN	- Length of main storage block (extent)
12	(C)	ADDRESS	4	XTLMSBAA (0)	- Fullword address of main storage block
12	(C)	ADDRESS	4	XTLMSBAD	- Address of main storage block

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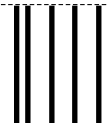


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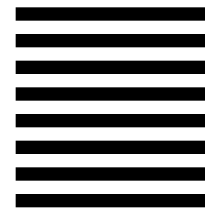
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