

z/OS
TSO System Diagnosis: Data Areas

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z/OS



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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 345.

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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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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.

ADFCMD Information

ADFCMD Heading Information

Common Name: Session Manager Command Parameter List
Macro ID: ADFCMD
DSECT Name: CMDPARMS, SUBTOKPS
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: CMDPARMS - 208 bytes
 SUBTOKPS - 32 bytes
Created by: ADFICMDR
Pointed to by: Register 1 on entry to Session Manager command processors
Serialization: None
Function: Maps the input to all Session Manager commands

ADFCMD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	28	SUBTOKPS	
0	(0)	SIGNED	2	SUBTOKNO	NUMBER OF SUBTOKENS PRESENT
2	(2)	SIGNED	2	*	RESERVED
4	(4)	CHARACTER	8	SUBTOKS (4294967299:553728576)	START OF SUBTOKENS
4	(4)	ADDRESS	4	SUBTOKPT	SUBTOKEN ADDRESS
8	(8)	SIGNED	2	SUBTOKLN	SUBTOKEN LENGTH
10	(A)	SIGNED	2	*	RESERVED

ADFDDDB Information

ADFDDDB Heading Information

Common Name: Session Manager Display Description Buffer
Macro ID: ADFDDDB
DSECT Name: DDBBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: DDB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: Variable, depending on the number of windows
Created by: ADFICDDB
Pointed to by: ADFDDDB field of the RDF data area
Serialization: None
Function: Maps the display description buffer which describes the display terminal supported by the TSO/E Session Manager. This DDB is for an IBM 3270 display terminal.

ADFDDDB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	DDBBLOCK	DISPLAY DESCRIPTION BUFFER
0	(0)	CHARACTER	536	DDBBLOC	FOR LENGTH OF DDB
0	(0)	CHARACTER	4	DDBIDEN	"DDB " IN EBCDIC
4	(4)	ADDRESS	4	DDBCCW	ADDRESS OF CCWLST
8	(8)	ADDRESS	4	DDBLSD	ADDRESS OF STREAM DIRECTORY
12	(C)	ADDRESS	4	DDBFBD	ADDRESS OF FUNC BLOCK DIRECT.
16	(10)	ADDRESS	4	DDBINBUF	ADDRESS OF INPUT BUFFER
20	(14)	SIGNED	4	DDBINSZ	SIZE IN BYTES OF INPUT BUFFER
24	(18)	ADDRESS	4	DDBADFF	ADDRESS OF ADF FUNBLOCK
28	(1C)	ADDRESS	4	DDBWINC	ADDRESS OF WINBLOCK FOR PERMANENT CURSOR POSITION
32	(20)	ADDRESS	4	DDBWINCT	ADDRESS OF WINBLOCK FOR TEMPORARY CURSOR POSITION
36	(24)	ADDRESS	4	DDBWINCI	ADDRESS OF WINBLOCK WHERE THE CURSOR WAS ON INPUT
40	(28)	UNSIGNED	2	*	
40	(28)	UNSIGNED	1	DDBMXWNS	MAXIMUM ALLOWED WINDOWS
41	(29)	UNSIGNED	1	DDBWNCNT	NUMBER OF WINDOWS DEFINED
42	(2A)	SIGNED	2	DDBCURBS	BACKSPACE CHARS IN OUTPUT LINE
44	(2C)	UNSIGNED	4	*	
44	(2C)	UNSIGNED	1	DDBCURSR	ROW/COL FOR PERMANENT CURSOR
				(4294967298:553729840)	
46	(2E)	UNSIGNED	1	DDBTMPCR	ROW/COL FOR TEMPORARY CURSOR
				(4294967298:553726720)	
48	(30)	UNSIGNED	4	*	
48	(30)	UNSIGNED	1	DDBFIXCR	ROW/COLUMN TO PLACE CURSOR
				(4294967298:553730544)	
50	(32)	UNSIGNED	1	DDB#ROWA	ROWS ON SCREEN
51	(33)	UNSIGNED	1	DDBRSHKY	RESHOW KEY FOR STFSMODE
52	(34)	BIT(32)	4	DDBFLAGS	FLAG BYTES & COLUMN #
		1...		DDBULOCK	OPEN KEYBOARD
		.1..		DDBALRM	RING ALARM ON 3270
		..1.		DDBREQIO	I/O REQUIRED TO UPDATE SCREEN
		...1		DDBCLRD	REWRITE ENTIRE SCREEN NXT I/O
		.... 1...		DDBPCUR	POSITION CURSOR

ADFDDDB Constants • ADFDDDB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		DDBENTER	AN ENTER HAS HAPPENED
		.... .1.		DDBNOTFY	NOTIFY USER ON UNLOCK
		.... ...1		DDBINPUT	SOME INPUT HAS HAPPENED
53	(35)	1...		DDBTPCUR	TEMPORARY CURSOR POSITION
		.1..		DDBDEFUP	DEFAULT WINDOW-USER DEL'D ALL
		..1.		DDBESCAP	USER IS IN ESCAPE SEQUENCE
		...1		DDBPA2	PA2 KEY WAS PRESSED
		.... 1...		DDBMODE	INDICATES WHETHER WE ARE IN ERASE/WRITE OR ERASE/WRITE ALTERNATE MODE
		.... .1..		DDBAPPND	DO APPEND PROCESSING ON NEXT TPUT
		.... .1.		DDBAPCUR	APPEND CURSOR AT END OF LINE
		.... ...1		DDBCURWR	LINE CONTAINING APPENDED CURSOR HAS BEEN WRITTEN
54	(36)	BIT(8)	1	*	RESERVED
55	(37)	UNSIGNED	1	DDB#COLA	COLS ON SCREEN
56	(38)	CHARACTER	8	DDBDFLD	NAME OF DEFAULT WINDOW FOR SCREEN COMMANDS
64	(40)	SIGNED	4	DDBOUTSZ	CORE ALLOCATED TO OUTPUT BUFR
68	(44)	UNSIGNED	4	DDBITIME	TIME OF LAST UNLOCK
72	(48)	UNSIGNED	2	DDBCNTIM	TIME BETWEEN CONTROL
74	(4A)	UNSIGNED	2	DDBWTIME	TIME OF LAST NON-ZERO CONTROL
76	(4C)	UNSIGNED	4	DDBCTIME	CURRENT TIME
80	(50)	UNSIGNED	4	DDBNTIME	TIME FOR WAKEUP
84	(54)	ADDRESS	4	DDBSTCKS	ADDRESS OF CHAIN OF STSBLOCKS
88	(58)	ADDRESS	4	DDBSTCKW	ADDRESS OF CHAIN OF STWBLOCKS
92	(5C)	ADDRESS	4	DDBSTCKP	ADDRESS OF CHAIN OF STPBLOCKS
96	(60)	ADDRESS	4	DDBVSCRN	ADDRESS OF VIRTUAL SCREEN
100	(64)	UNSIGNED	4	DDBATIME	LAST ACTIVITY TSO TIME
104	(68)	UNSIGNED	4	DDBTTIME	STIMER WAKEUP TIME
108	(6C)	CHARACTER	1	DDBPFK#	PFK AID BYTE
109	(6D)	CHARACTER	27	*	RESERVED
136	(88)	ADDRESS	4	DDBPFKS	POINTERS TO PFKBLOCKS...IF ZERO: NOT DEFINED
536	(218)	CHARACTER	12	DDBWNENT (*)	ONE ENTRY FOR EACH WINDOW
536	(218)	CHARACTER	12	DDBWNEN	FOR LENGTH OF DDB
536	(218)	ADDRESS	4	DDBWNPT	ADDRESS OF WINDOW ENTRY
540	(21C)	CHARACTER	8	DDBWNNM	NAME OF WINDOW

ADFDDDB Constants

Len	Type	Value	Name	Description
4	DECIMAL	32	DDBLPSZ	LINES PER LOGICAL PAGE
4	DECIMAL	80	DDB#COL	WIDTH OF 3270-2 DISPLAY SCRNR
4	DECIMAL	24	DDB#ROW	ROWS IN 3270-2 DISPLAY SCREEN
4	DECIMAL	24	DDBNPFKS	NUMBER OF PFK KEYS ALLOWED

ADFDDDB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DDB#COLA	37		DDBCURWR	35	01
DDB#ROWA	32		DDBDEFUP	35	40
DDBADFF	18		DDBDFLD	38	
DDBALRM	34	40	DDBENTER	34	04
DDBAPCUR	35	02	DDBESCAP	35	20
DDBAPPND	35	04	DDBFBD		C
DDBATIME	64		DDBFIXCR	30	
DDBBLOC	0		DDBFLAGS	34	
DDBBLOCK	0		DDBIDEN	0	
DDBCCW	4		DDBINBUF	10	
DDBCLRD	34	10	DDBINPUT	34	01
DDBCNTIM	48		DDBINSZ	14	
DDBCTIME	4C		DDBITIME	44	
DDBCURBS	2A		DDBLSD	8	
DDBCURSR	2C		DDBMODE	35	08

Name	Hex Offset	Hex Value
DDBMXWNS	28	
DDBNOTFY	34	02
DDBNTIME	50	
DDBOUTSZ	40	
DDBPA2	35	10
DDBPCUR	34	08
DDBPFK#	6C	
DDBPFKS	88	
DDBREQIO	34	20
DDBRSHKY	33	
DDBSTCKP	5C	
DDBSTCKS	54	
DDBSTCKW	58	
DDBTMPCR	2E	
DDBTPCUR	35	80
DDBTTIME	68	
DDBULOCK	34	80
DDBVSCRN	60	
DDBWINC	1C	
DDBWINCI	24	
DDBWINCT	20	
DDBWNCNT	29	
DDBWNEN	218	
DDBWNENT	218	
DDBWNNM	21C	
DDBWNPT	218	
DDBWTIME	4A	

ADFENV Information

ADFENV Heading Information

Common Name: Session Manager Environment Block
Macro ID: ADFENV
DSECT Name: ENVBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: 12 bytes
Created by: ADFMDF0A
Pointed to by: N/A
Serialization: None
Function: The Environment Block is the master control block for the Session Manager. It contains pointers to the other Session Manager control blocks. There may be more than one ENV block depending on the function being performed.

ADFENV Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	12	ENVBLOCK	ENVIRONMENT BLOCK
0	(0)	ADDRESS	4	ENVSTCK	ADDRESS OF THE PROGRAM STACK
4	(4)	ADDRESS	4	ENVDDDB	ADDRESS OF THE DISPLAY DESCRIPTION BLOCK
8	(8)	ADDRESS	4	ENVLCLP	ADDRESS OF THE SYSTEM AREA (THE RDFBLOCK)

ADFENV Map

ADFFBD Information

ADFFBD Heading Information

Common Name: Session Manager Function Block Directory
Macro ID: ADFFBD
DSECT Name: FBDBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: FBD
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: Variable, depending on the number of functions
Created by: ADFMMFUN
Pointed to by: DDBFBD of the DDB data area
Serialization: None
Function: There is one function block for each session 'function' - Session Manager, TSO, and messages. This is a directory of those function blocks.

ADFFBD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	FBDBLOCK	FUNCTION BLOCK DIRECTORY
0	(0)	CHARACTER	8	FBDBLOC	FOR LEN OF FBDBLOCK
0	(0)	CHARACTER	4	FBDIDEN	"FBD " IN EBCDIC
4	(4)	SIGNED	4	FBDNFUN	NUMBER OF ENTRIES
8	(8)	CHARACTER	8	FBENTRY (*)	ONE ENTRY FOR EACH FUNCTION
8	(8)	CHARACTER	8	FBENTR	FOR LEN OF FBENTRY
8	(8)	CHARACTER	4	FBDFBNAM	NAME OF FUNCTION
12	(C)	ADDRESS	4	FBDFPTR	POINTER TO FUNBLOCK

ADFFUN Information

ADFFUN Heading Information

Common Name: Session Manager Function Descriptor Block
Macro ID: ADFFUN
DSECT Name: FUNBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: FUN
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: 36 bytes
Created by: ADFMMFUN
Pointed to by: N/A
Serialization: None
Function: The Function Block describes the input and output streams of a session function. There is one function block for each session function: Session Manager, TSO/E, Messages, etc.

ADFFUN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	36	FUNBLOCK	FUNCTION BLOCK
0	(0)	CHARACTER	4	FUNIDEN	"FUN " IN EBCDIC
4	(4)	CHARACTER	4	FUNNAME	NAME OF THIS FUNCTION
8	(8)	ADDRESS	4	FUNSDBIN	POINTER TO INPUT STREAM SDB
12	(C)	ADDRESS	4	FUNSDBOU	POINTER TO OUTPUT STREAM SDB
16	(10)	UNSIGNED	4	FUNOUTFL	OUTPUT STREAM FLAGS
16	(10)	UNSIGNED	1	OUTFLINT	OUTPUT DISPLAY INTENSITY
17	(11)	CHARACTER	3	*	RESERVED
20	(14)	ADDRESS	4	FUNSDBCY	POINTER TO COPY STREAM SDB
24	(18)	UNSIGNED	4	FUNCPYFL	COPY STREAM FLAGS
24	(18)	UNSIGNED	1	CPYFLINT	COPY DISPLAY INTENSITY
25	(19)	CHARACTER	3	*	RESERVED
28	(1C)	UNSIGNED	4	FUNCURLN	CURRENT LOGICAL LINE NUMBER
32	(20)	UNSIGNED	4	FUNFLAG	FUNCTION FLAGS
		1...		FUNFLOAL	SOUND ALARM ON OUTPUT
		.1...		FUNFLIAL	SOUND ALARM ON INPUT
		..1.		FUNFLBYP	IN PRINT BYPASS MODE
32	(20)	BIT(29) POS(4)	4	*	RESERVED

ADFFUN Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CPYFLINT	18		FUNSDBOU	C	
FUNBLOCK	0		OUTFLINT	10	
FUNCPYFL	18				
FUNCURLN	1C				
FUNFLAG	20				
FUNFLBYP	20	20			
FUNFLIAL	20	40			
FUNFLOAL	20	80			
FUNIDEN	0				
FUNNAME	4				
FUNOUTFL	10				
FUNSDBCY	14				
FUNSDBIN	8				

ADFLSD Information

ADFLSD Heading Information

Common Name: Session Manager List Stream Directory Block
Macro ID: ADFLSD
DSECT Name: LSDBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: Variable, depending on the number of streams
Created by: ADFMDF0A
Pointed to by: N/A
Serialization: None
Function: List of streams - one entry for each Stream Descriptor Block.

ADFLSD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	LSDBLOCK	LIST OF OPEN STREAMS
0	(0)	CHARACTER	4	LSDBLOC	FOR LEN OF LSDBLOCK
0	(0)	SIGNED	2	LSDNSDBS	COUNT OF OPEN SDBS
2	(2)	SIGNED	2	LSDMXSDB	MAX ALLOWED SDBS
4	(4)	CHARACTER	12	LSDENTRY (*)	ENTRY FOR EACH STREAM
4	(4)	CHARACTER	12	LSDENTR	FOR LEN OF LSDBLOCK
4	(4)	CHARACTER	8	LSDNAME	NAME OF STREAM
12	(C)	ADDRESS	4	LSDPTR	ADDRESS OF SDBBLOCK

ADFMTGT Information

ADFMTGT Heading Information

Common Name: Extended TGET Parameter List
Macro ID: ADFMTGT
DSECT Name: ADFMTGT
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: *ADF
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: 20 bytes
Created by: ADFMFIND or ADFMCPY2
Pointed to by: N/A
Serialization: None
Function: ADFMTGT is an extended TGET parameter list used by the Session Manager. The "userid" bit of the standard TGET macro is used to signal that the TGET is to be intercepted and processed by the Session Manager.
 RETURN CODES SET BY THE SESSION MANAGER OR TGET (IN HEX):
 00 - SUCCESSFUL COMPLETION. REGISTER 1 CONTAINS: XXXX YYYY WHERE XXXX IS THE LENGTH OF THE CONTROL DATA (IF ANY) YYYY IS THE TOTAL LENGTH OF THE LINE (INCLUDING THE CONTROL DATA).
 04 - THE LINE NUMBER SPECIFIED WAS NOT FOUND. REGISTER 1 CONTAINS THE LOWEST LINE NUMBER IN THE STREAM.
 THIS IS SET REGARDLESS OF WHETHER "NOWAIT" WAS SPECIFIED.
 08 - AN ATTENTION INTERRUPT OCCURRED. NO DATA OBTAINED.
 0C - THE LINE PLACED IN THE USER'S INPUT BUFFER WAS TRUNCATED.
 10 - INVALID PARAMETER LIST.
 14 - THE STREAM SPECIFIED WAS NOT FOUND. THIS COULD ALSO MEAN THAT THE SESSION MANAGER IS NOT ACTIVE FOR THIS USER.

ADFMTGT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	20	ADFMTGT	
0	(0)	CHARACTER	4	TGTBYDMF	**ADF" PLACED HERE WILL SIGNAL THE SESSION MANAGER TO INTERCEPT THE TGET AND SATISFY IT WITH DATA FROM THE SESSION MANAGER STREAM SPECIFIED IN "TGTSTRM" CONTROL INFORMATION
4	(4)	BIT(32) 1...	4	TGTFLAG TGTCNTL	THE SESSION MANAGER IS TO PLACE CONTROL DATA AHEAD OF THE DATA FROM THE STREAM IN THE USER'S BUFFER. REGISTER 1 WILL CONTAIN THE LENGTH OF THE CONTROL DATA IN THE FIRST HALFWORD, THE LENGTH OF THE CONTROL DATA PLUS THE LENGTH OF THE DATA FROM THE STREAM IN THE SECOND HALFWORD
		.1..		*	RESERVED
		..1.		TGTRELL	"TGLINE" CONTAINS A LINE NUMBER RELATIVE TO THE NEXT LINE TO BE GIVEN TO TSO IN THE "TSOIN" STREAM. THIS IS VALID ONLY IF "TGSTREAM" IS "TSOIN".

ADFMTGT Constants • ADFMTGT Cross Reference

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
4	(4)	BIT(29) POS(4)	4	*	RESERVED
8	(8)	CHARACTER	8	TGTSTRM	NAME OF THE STREAM FROM WHICH THE DATA IS TO COME.
16	(10)	SIGNED	4	TGTLINE	THE LINE NUMBER OF THE STREAM TO GET. MAY BE NEGATIVE IF "TGRELL" IS SPECIFIED.

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	4	TGTRETN	LENGTH OF THE CONTROL DATA
0	(0)	SIGNED	2	CNTLLEN	LENGTH OF THE CONTROL DATA PLUS THE ACTUAL DATA
2	(2)	SIGNED	2	TOTALLEN	

ADFMTGT Constants

Len	Type	Value	Name	Description
4	HEX	D0000000	TGTWUSID	DO TGET WITH "USERID" AND AND "NOWAIT" SPECIFIED
4	CHARACTER	*ADF	TGTSIGNL	SIGNALS THAT SESSION MANAGER IS REQUESTED FOR THIS TGET

ADFMTGT Cross Reference

Name	Hex Offset	Hex Value
ADFMTGT	0	
CNTLLEN	0	
TGTBYDMF	0	
TGTCNTL	4	80
TGTFLAG	4	
TGTLINE	10	
TGTRELL	4	20
TGTRETN	0	
TGTSTRM	8	
TOTALLEN	2	

ADFMTPT Information

ADFMTPT Heading Information

Common Name: Extended TPUT Parameter List
Macro ID: ADFMTPT
DSECT Name: ADFMTPT
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: *ADF
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: 20 bytes
Created by: ADFINPUT or ADFMCPY2
Pointed to by: N/A
Serialization: None
Function: ADFMTPT is an extended TPUT parameter list used by the Session Manager. The "userid" bit of the standard TPUT macro is used to signal that the TPUT is to be intercepted and processed by the Session Manager.
 RETURN CODES SET BY THE SESSION MANAGER OR TPUT: (HEX)
 00 - SUCCESSFUL COMPLETION.
 04 - NOWAIT WAS SPECIFIED AND AN OUTPUT BUFFER WAS NOT AVAILABLE. (FROM TPUT ONLY.)
 08 - AN ATTENTION INTERRUPT OCCURRED. DATA NOT SENT TO STREAM.
 0C - A CROSS-MEMORY TPUT FAILED. DATA NOT SENT.
 10 - INVALID PARAMETER LIST.
 14 - THE STREAM SPECIFIED WAS NOT FOUND. THIS COULD ALSO MEAN THAT THE SESSION MANAGER IS NOT ACTIVE FOR THIS USER

ADFMTPT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	20	ADFMTPT		
0	(0)	CHARACTER	4	TPTBYDMF	**ADF" PLACED HERE WILL SIGNAL THE SESSION MANAGER TO INTERCEPT THE TPUT AND SATISFY IT WITH DATA FROM THE STREAM SPECIFIED IN "TPTSTRM"	
4	(4)	BIT(16) 1... ..	2	TPTFLAG TPTCNTL	CONTROL INFORMATION CONTROL DATA PRECEDES THE DATA TO BE PLACED IN THE STREAM	
4	(4)	BIT(15) POS(2)	2	*	RESERVED	
6	(6)	UNSIGNED	2	TPTCDLEN	LENGTH OF THE CONTROL DATA WHICH PRECEDES THE DATA TO BE PLACED IN THE STREAM	
8	(8)	CHARACTER	8	TPTSTRM	NAME OF THE STREAM TO WHICH THE DATA IS TO GO.	
16	(10)	BIT(32)	4	TPTFUTR	RESERVED	

ADFMTPT Constants

ADFMTPT Constants

Len	Type	Value	Name	Description
4	HEX	D0000000	TPTWUSID	DO TPUT WITH "USERID" AND AND "NOWAIT" SPECIFIED
4	CHARACTER	*ADF	TPTSIGNL	SIGNALS THAT SESSION MANAGER IS REQUESTED FOR THIS TPUT

ADFPFK Information

ADFPFK Heading Information

Common Name: Session Manager PF Key Descriptor Block
Macro ID: ADFPFK
DSECT Name: PFKBLOCK, PFK\$P, PFK\$AMP, PFKATBLK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: PFKBLOCK - 18 bytes
 PFK\$P - 20 bytes
 PFK\$AMP - 24 bytes
 PFKATBLK - 4 bytes
Created by: ADFISAV
Pointed to by: N/A
Serialization: None
Function: ADFPFK maps fields used in defining a given PF key plus data associated with the given PF key. There is one PFKBLOCK for each PF key.

ADFPFK Map

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	18	PFKBLOCK	
0	(0)	ADDRESS	4	*	AVAILABLE FOR CHAINING
4	(4)	SIGNED	2	PFKBLEN	BYTES ALLOCATED TO THIS BLOCK
6	(6)	SIGNED	2	PFK#NUM	PFK NUMBER
8	(8)	CHARACTER	1	PFKTYPE	TYPE OF PFKBLOCK: 'P' - ENTER MODIFIED FLDS AND PUT TEXT (ORDINARY) '&' - USE MODIFIED FLDS AS ARGUMENTS TO TEXT(SUBST)
9	(9)	CHARACTER	1	*	AVAILABLE
10	(A)	CHARACTER	8	PFKSTRM	STREAM TO RECEIVE TEXT, IF BLANK GO TO 'SI' STREAM
18	(12)	CHARACTER	0	PFK\$	BASING FOR PFK\$P OR PFK\$AMP

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
18	(12)	STRUCTURE	*	PFK\$P	FIELDS FOR TYPE 'P' BLOCK
18	(12)	CHARACTER	2	PFKPLEN	
18	(12)	SIGNED	2	PFKLTEXT	LENGTH OF FOLLOWING TEXT
20	(14)	CHARACTER	*	PFKTEXT	TEXT

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
18	(12)	STRUCTURE	*	PFK\$AMP	FIELDS FOR TYPE '&' BLOCK
18	(12)	CHARACTER	6	PFKALEN	
18	(12)	SIGNED	2	PFKMAXA#	LARGEST N FOR &N TO BE SUBST'D
20	(14)	SIGNED	2	PFK#ATBS	# OF PFKATBLKS AT PFKATAT
22	(16)	CHARACTER	1	PFKADEL	DELIM USED FOR INPUT PROC'NG
23	(17)	CHARACTER	1	PFKAMPR	THE 'AMPERSAND-LIKE' CHARACTER
24	(18)	CHARACTER	*	PFKATAT	BUNCH OF PFKATBLK'S

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	*	PFKATBLK	ARGUMENT-TEXT BLOCK
0	(0)	CHARACTER	4	PFKATLEN	

ADFPFK Constants • ADFPFK Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	SIGNED	2	PFKARG#	ARG # TO BE SUBSTITUTED: 1-99 USER ARGS 0
2	(2)	SIGNED	2	PFKTLEN	NULL STRING 1001 ANY TEXT 'LEFT OVER'
4	(4)	CHARACTER	*	PFKATXT	LENGTH OF FOLLOWING TEXT THE TEXT

ADFPFK Constants

Len	Type	Value	Name	Description
2	DECIMAL	0	PFKNOARG	SEE
2	DECIMAL	1001	PFKLEFTO	PFKARG#
2	DECIMAL	99	PFKMXUA#	

ADFPFK Cross Reference

Name	Hex Offset	Hex Value
PFK\$	12	
PFK\$AMP	12	
PFK\$P	12	
PFK#ATBS	14	
PFK#NUM	6	
PFKADEL	16	
PFKALEN	12	
PFKAMPR	17	
PFKARG#	0	
PFKATAT	18	
PFKATBLK	0	
PFKATLEN	0	
PFKATXT	4	
PFKBLEN	4	
PFKBLOCK	0	
PFKLTEXT	12	
PFKMAXA#	12	
PFKPLEN	12	
PFKSTRM	A	
PFKTEXT	14	
PFKTLEN	2	
PFKTYPE	8	

ADFRDF Information

ADFRDF Heading Information

Common Name: Session Manager Vector and Control Table Block
Macro ID: ADFRDF
DSECT Name: RDFBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: RDF
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: 428 bytes
Created by: ADFMDF0A
Pointed to by: LWAXXXX field of the LWA
Serialization: None
Function: ADFRDF serves as the primary Session Manager control block. Contains routine addresses, control information, and save areas.

ADFRDF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	428	RDFBLOCK	TSO 3270 SESSION MANAGER VECTOR AND CONTROL TABLE

Comment

SAVE AREA WHICH IS USED BY ADFMDF21(IKTTMPX1) WHEN CALLING ADFMDF22. THIS SAVE AREA IS SERIALIZED VIA THE LOCAL LOCK.

End of Comment

0	(0)	CHARACTER	4	RDFIDEN	"RDF" IN EBCDIC
4	(4)	ADDRESS	4	RDFSAVE (4294967314:553725952)	SAVE AREA

Comment

ADDRESS LIST OF INTERNAL SESSION MANAGER ROUTINES

End of Comment

76	(4C)	ADDRESS	4	RDFMAKST	STREAM CREATION ROUTINE
80	(50)	ADDRESS	4	RDFUTDDB	DDB UPDATING ROUTINE
84	(54)	ADDRESS	4	RDFUTSTR	STREAM UPDATING ROUTINE
88	(58)	ADDRESS	4	RDFGMN	GETMAIN ROUTINE ADDRESS
92	(5C)	ADDRESS	4	RDFFMN	FREEMAIN ROUTINE ADDRESS
96	(60)	ADDRESS	4	RDFMKDDB	DDB CREATION ROUTINE
100	(64)	ADDRESS	4	RDFSCRNC	ROUTER (CALLS CMD EXECUTERS)
104	(68)	ADDRESS	4	RDFDOIO	TERMINAL TSO I/O ROUTINE
108	(6C)	ADDRESS	4	RDFREDO	TERMINAL DATA STRING BUILDER
112	(70)	ADDRESS	4	RDFRDM	TERMINAL INPUT DECODER
116	(74)	ADDRESS	4	RDFWAIT	I/O WAIT ROUTINE
120	(78)	ADDRESS	4	RDFFINDD	SDB LOCATER ROUTINE
124	(7C)	ADDRESS	4	RDFDFLTS	DEFAULT SCREEN BUILDER
128	(80)	ADDRESS	4	RDFMKFUN	FUNCTION BLK CREATION ROUTINE
132	(84)	ADDRESS	4	RDFMTGET	VCON FOR TGET IN ADFMDOIO
136	(88)	ADDRESS	4	RDFMTPUT	VCON FOR TPUT IN ADFMDOIO
140	(8C)	ADDRESS	4	RDFMDEL	DELETE LINE ROUTINE

ADFRDF Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
DYNAMIC VALUES USED BY ADFMDF0A, ADFMDF02, AND ADFMDF22					
End of Comment					
144	(90)	BIT(24)	3	RDFFLGS	FLAGS
		1...		RDFSLEEP	ADFMDF0A IS IN A WAIT
		.1.		RDFFSOCR	SOME TCB IS USING TPUT FULLSCR
		..1.		RDFWAITF	ADFMDF0A TCB IS WAITIN
		...1		RDFLOCKF	THE LOCAL LOCK IS HELD
		.... 1..		RDFTWAIT	TELLS SM TASK TO NOT ISSUE SYSEVENT
		.... .1..		RDFTGET	TERMWAIT
		.... .1..		RDFEXIT	OUTSTANDING TGET REQUEST
		.... ...1		RDFFSREF	SESSION MANAGER IS TO QUIT
145	(91)	1...		RDFTPUT	RETURNING TO FULL SCREEN
		.1..		RDFTSOIN	WINBLOCK(S) UPDATED BUT SCREEN NOT YET
		.1.		RDFMODAL	UPDATED
		...1		RDFFSORA	LINE TO THE TMP
		.... 1..		RDFFSORC	MODE INDICATOR
		.... .1..		RDFATTN	SM IS TO INTERCEPT NO I/O
		.... ...1		RDFINSPF	SM IS TO LEAVE TSBKEYS='1'B WHEN GOING
		.... ...1		RDFFSORC	INTO FS MODE
146	(92)	1...		RDFBYPSS	ATTN HAS BEEN ENTERED
		.1..		RDFRESET	INTERCEPT SPF GENERATED LINE TPUTS
		..11 1111		*	WITHOUT TAKING CONTROL OF SCREEN
147	(93)	UNSIGNED	1	RDFPOOL	1=STEP ASIDE FOR NOEDIT
148	(94)	ADDRESS	4	RDFTCB	1=IN PRINT BYPASS MODE
152	(98)	ADDRESS	4	RDFTGPUT	ADFMDF0A SHOULD RESET DDBCLRD
156	(9C)	ADDRESS	4	RDFDDB	RESERVED BITS
160	(A0)	ADDRESS	4	RDFLSD	SUBPOOL FOR STORAGE
164	(A4)	ADDRESS	4	RDFFBDB	ADFMDF0A TCB ADDRESS
168	(A8)	ADDRESS	4	RDFADFF	ADDRESS OF TGET/TPUT INTERCEPT ROUTINE
172	(AC)	ADDRESS	4	RDFMSGF	(ADFMDF22)
176	(B0)	ADDRESS	4	RDFTSOF	ADDRESS OF CURRENT DDB
180	(B4)	ADDRESS	4	RDFTSOWQ	ADDRESS OF STREAM DIRECTORY
184	(B8)	UNSIGNED	4	RDFILLN	ADDRESS OF FUNC BLOCK DIRECT.
188	(BC)	UNSIGNED	2	RDFILCNT	ADDRESS OF SESSION MANAGER FUNCTION
190	(BE)	SIGNED	2	RDFINTIO	BLOCK
192	(C0)	ADDRESS	4	RDFENV3	ADDRESS OF MESSAGE FUNC BLOCK
196	(C4)	ADDRESS	4	RDFENV1	ADDRESS OF TSO FUNCTION BLOCK
200	(C8)	ADDRESS	4	RDFENV2	ADDRESS OF TSO WAIT QUEUE
204	(CC)	UNSIGNED	4	RDFPECB	ADDRESS OF TSO WAIT QUEUE
208	(D0)	UNSIGNED	4	RDFTTIME	LINENO OF TPUT ASIS
212	(D4)	SIGNED	4	RDFICNT	LENGTH OF RDFILLN LINE
216	(D8)	ADDRESS	4	RDFENV2P	# I/O REQUESTS CURRENTLY BEING
220	(DC)	UNSIGNED	4	RDFTECB	PROCESSED
224	(E0)	SIGNED	2	RDFWQCNT	ADDRESS OF ENVBLOCK NUMBER 3
226	(E2)	SIGNED	2	RDFINTTO	ADDRESS OF ENVBLOCK NUMBER 1
228	(E4)	ADDRESS	4	RDFMSAVE	ADDRESS OF ENVBLOCK NUMBER 2
300	(12C)	ADDRESS	4	RDFXLTS	ECB POSTED BY TPUT INTERCEPT
304	(130)	CHARACTER	8	RDFUSER	TIME OF LAST TGET/TPUT
312	(138)	CHARACTER	1	RDFISTRM	COUNT OF PARTIAL INPUT
		1...		RDFITSO	ADDRESS OF ENVBLOCK POINTER
		.1..		RDFITOUT	ADDRESS OF ENVBLOCK NUMBER 3
		..1.		RDFISIN	ADDRESS OF ENVBLOCK NUMBER 1

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		...1		RDFISOUT	SM OUTPUT STREAM
		.... 1...		RDFIMSG	MSG OUTPUT STREAM
		.... .1..		RDFLOGMS	LOG ISPF LINE OUTPUT
		.... ..1.		RDFOPT6	ISPF OPTION 6 FLAG
		.... ...1		*	RESERVED
313	(139)	CHARACTER	3	*	RESERVED
316	(13C)	ADDRESS	4	RDFIDATA	POINTER TO INSTALLATION DATA
320	(140)	ADDRESS	4	RDFEXIT1	POINTER TO INST EXIT
324	(144)	ADDRESS	4	RDFEXIT2	POINTER TO INST EXIT
328	(148)	ADDRESS	4	RDFEXIT3	POINTER TO INST EXIT
332	(14C)	ADDRESS	4	RDFTCLRQ	USED BY IKTTMPX2 FOR TCLEARQ (SVC 94 MACRO)
336	(150)	ADDRESS	4	RDFREPFP	REPEAT FIND STRUC PT
340	(154)	ADDRESS	4	RDFGLUE1	ADFGUE1 ADDRESS
344	(158)	ADDRESS	4	RDFGLUE2	ADFGUE2 ADDRESS
348	(15C)	ADDRESS	4	RDFGLUE3	ADFGUE3 ADDRESS
352	(160)	ADDRESS	4	RDFBSTOR	PTR TO STORAGE BELOW THE LINE FOR ADFGUE1,2,3
356	(164)	ADDRESS	4	RDFRGSVE	REG 14 SAVE AREA
360	(168)	ADDRESS	4	RDFRGSVF	REG 15 SAVE AREA
364	(16C)	ADDRESS	4	RDFRGSV0	REG 0 SAVE AREA
368	(170)	ADDRESS	4	RDFRGSV1	REG 1 SAVE AREA
372	(174)	CHARACTER	56	RDFRSVD	RESERVED FIELD
428	(1AC)	CHARACTER	0	RDFEND	

ADFRDF Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
RDFADFF	A8		RDFINSPF	91	02
RDFATTN	91	04	RDFINTIO	BE	
RDFBLOCK	0		RDFINTTO	E2	
RDFBSTOR	160		RDFISIN	138	20
RDFBYPSS	92	80	RDFISOUT	138	10
RDFDDB	9C		RDFISTRM	138	
RDFDFLTS	7C		RDFITOUT	138	40
RDFDOIO	68		RDFITSO	138	80
RDFEND	1AC		RDFLOCKF	90	10
RDFENV1	C4		RDFLOGMS	138	04
RDFENV2	C8		RDFLSD	A0	
RDFENV2P	D8		RDFMAKST	4C	
RDFENV3	C0		RDFMDEL	8C	
RDFEXIT	90	02	RDFMKDDB	60	
RDFEXIT1	140		RDFMKFUN	80	
RDFEXIT2	144		RDFMODAL	91	20
RDFEXIT3	148		RDFMSAVE	E4	
RDFFBDB	A4		RDFMSGF	AC	
RDFFIND	78		RDFMTGET	84	
RDFFLGS	90		RDFMTPUT	88	
RDFFMN	5C		RDFOPT6	138	02
RDFFSCR	90	40	RDFPECB	CC	
RDFFSCRA	91	10	RDFPOOL	93	
RDFFSCRK	91	08	RDFRDM	70	
RDFFSERN	91	01	RDFREDO	6C	
RDFFSREF	90	01	RDFREPFP	150	
RDFGLUE1	154		RDFRESET	92	40
RDFGLUE2	158		RDFRGSVE	164	
RDFGLUE3	15C		RDFRGSVF	168	
RDFGMN	58		RDFRGSV0	16C	
RDFICNT	D4		RDFRGSV1	170	
RDFIDATA	13C		RDFRSVD	174	
RDFIDEN	0		RDFSAVE	4	
RDFILCNT	BC		RDFSCRNC	64	
RDFILLN	B8		RDFSLEEP	90	80
RDFIMSG	138	08	RDFTCB	94	

ADFRDF Cross Reference

Name	Hex Offset	Hex Value
RDFTCLRQ	14C	
RDFTECB	DC	
RDFTGET	90	04
RDFTGPUT	98	
RDFTPUT	91	80
RDFTSOF	B0	
RDFTSOIN	91	40
RDFTSOWQ	B4	
RDFTTIME	D0	
RDFTWAIT	90	08
RDFUSER	130	
RDFUTDDB	50	
RDFUTSTR	54	
RDFWAIT	74	
RDFWAITF	90	20
RDFWQCNT	E0	
RDFXLTS	12C	

ADFSCNTL Information

ADFSCNTL Heading Information

Common Name: Session Manager Stream Control Block
Macro ID: ADFSCNTL
DSECT Name: ADFSCNTL
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: 1 byte
Created by: ADFMPUT
Pointed to by: N/A
Serialization: None
Function: Maps control information in the Session Manager streams. This control information precedes the data in the stream.

ADFSCNTL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	1	ADFSCNTL	
		1...		SCNTLBRI	THIS LINE IS HIGHLIGHTED
		.1...		SCNTLDRK	THIS LINE IS NON-DISPLAY
		..1.		SCNTLMAG	MAGNETIC CARD READER
		...1		SCNTLBLK	BLANK DATA PORTION
		.... 111.		*	RESERVED
		.... ...1		SCNTASIS	ASIS DATA

ADFSCNTL Map

ADFSDB Information

ADFSDB Heading Information

Common Name: Session Manager Stream Descriptor Block
Macro ID: ADFSDB
DSECT Name: SDBBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: SDB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: 64 bytes
Created by: ADFMSTDF
Pointed to by: N/A
Serialization: None
Function: This is a Stream Descriptor Block containing data relating to a specific stream.

ADFSDB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	64	SDBBLOCK	STREAM DESCRIPTOR BLOCK	
0	(0)	CHARACTER	4	SDBIDEN	"SDB" IN EBCDIC	
4	(4)	CHARACTER	8	SDBNAME	NAME OF THIS STREAM	
Comment						
LOGICAL LINE NUMBER POINTERS						
End of Comment						
12	(C)	UNSIGNED	4	SDBLLNB	BASE LLN	
16	(10)	UNSIGNED	4	SDBOLDN	LLN OF OLDEST LINE	
20	(14)	UNSIGNED	4	SDBCURN	LLN OF NEWEST LINE	
Comment						
GET AND PUT ROUTINE ADDRESSES						
End of Comment						
24	(18)	ADDRESS	4	SDBGET	ADDRESS OF GET ROUTINE	
28	(1C)	ADDRESS	4	SDBPUT	ADDRESS OF PUT ROUTINE	
32	(20)	ADDRESS	4	SDBCLOS	ADDRESS OF CLOSE ROUTINE	
36	(24)	SIGNED	4	SDBLEN	LENGTH OF SDB AND FOLLOWING SDX	
40	(28)	CHARACTER	4	*		
40	(28)	CHARACTER	1	SDBCLASS	STREAM CLASS	
41	(29)	UNSIGNED	1	SDBTYPE	STREAM TYPE: 0=EXTRA,1=INPUT, 2=OUTPUT	
42	(2A)	CHARACTER	2	*	RESERVED	
44	(2C)	UNSIGNED	4	SDBPOSN	LLN NEXT TO BE FETCHED	
48	(30)	UNSIGNED	4	SDBFLAGS		
		1...		SDBNOWRP	STREAM IS NOT TO WRAP	
		.1..		SDBALARM	SOUND ALARM WITH NEW DATA	
48	(30)	BIT(30) POS(3)	4	*	RESERVED BITS	
52	(34)	SIGNED	4	SDBAVL	RESERVED	
				(4294967299:553725952)		
64	(40)	CHARACTER	0	SDBAREA	AREA FOR SYSTEM DEPENDENT INFO	

ADFSDB Cross Reference

ADFSDB Cross Reference

Name	Hex Offset	Hex Value
SDBALARM	30	40
SDBAREA	40	
SDBAVL	34	
SDBBLOCK	0	
SDBCLASS	28	
SDBCLOS	20	
SDBCURN	14	
SDBFLAGS	30	
SDBGET	18	
SDBIDEN	0	
SDBLEN	24	
SDBLLNB	C	
SDBNAME	4	
SDBNOWRP	30	80
SDBOLDN	10	
SDBPOSN	2C	
SDBPUT	1C	
SDBTYPE	29	

ADFSDM Information

ADFSDM Heading Information

Common Name: Session Manager Stream Descriptor Extension of SDB
Macro ID: ADFSDM
DSECT Name: SDMBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: 80 bytes
Created by: ADFMSTDE
Pointed to by: SDBAREA in the SDB block
Serialization: None
Function: Contains the system-dependent information for MVS.

ADFSDM Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	80	SDMBLOCK	AREA FOR IN-CORE STREAM
0	(0)	UNSIGNED	4	SDMLLNC	NUMBER OF LINES IN THE STREAM
Comment					
IDB POINTERS					
End of Comment					
4	(4)	ADDRESS	4	SDMBEGL	ADDRESS OF FIRST IDB
8	(8)	ADDRESS	4	SDMMAXL	ADDRESS OF LAST IDB
12	(C)	ADDRESS	4	SDMOLDL	ADDRESS OF OLDEST IDB
16	(10)	ADDRESS	4	SDMCURL	ADDRESS OF NEWEST IDB
Comment					
STREAM ADDRESS POINTERS IN RBA FORMAT					
End of Comment					
20	(14)	SIGNED	4	SDMBEGA	LOWEST RBA ALLOWED
24	(18)	SIGNED	4	SDMMAXA	HIGHEST RBA ALLOWED
28	(1C)	SIGNED	4	SDMOLDA	OLDEST RBA ADDRESS
32	(20)	SIGNED	4	SDMCURA	NEXT AVAIL RBA ADDRESS
36	(24)	ADDRESS	4	SDMBASE	BASE ADDRESS OF DATA
Comment					
FLAGS					
End of Comment					
40	(28)	BIT(32)	4	SDMFLAGS	FLAGS FOR STREAM
		1...		SDMEMPTY	1 = THE STREAM IS EMPTY
40	(28)	BIT(31) POS(2)	4	*	RESERVED BITS
44	(2C)	SIGNED	2	SDMMOD	NUMBER OF LLNS / IDB
46	(2E)	SIGNED	2	*	RESERVED
48	(30)	CHARACTER	32	*	RESERVED
80	(50)	CHARACTER	0	SDMEND	

ADFSDM Cross Reference

ADFSDM Cross Reference

Name	Hex Offset	Hex Value
SDMBASE	24	
SDMBEGA	14	
SDMBEGL	4	
SDMBLOCK	0	
SDMCURA	20	
SDMCURL	10	
SDMEMPTY	28	80
SDMEND	50	
SDMFLAGS	28	
SDMLLNC	0	
SDMMAXA	18	
SDMMAXL	8	
SDMMOD	2C	
SDMOLDA	1C	
SDMOLDL	C	

ADFSTCK Information

ADFSTCK Heading Information

Common Name: Session Manager Program Stack Block
Macro ID: ADFSTCK
DSECT Name: STCKBLOK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: 20 bytes
Created by: ADFMDF0A
Pointed to by: RDFBLOCK
Serialization: None
Function: The program stack block indexes the program stack area which is available to Session Manager routines for save areas, dynamic storage, and so forth.

ADFSTCK Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	STCKBLOK	PROGRAM STACK BLOCK
0	(0)	ADDRESS	4	STCKCURA	LAST ASSIGNED ADDRESS
4	(4)	ADDRESS	4	STCKBLAD	START OF THIS BLOCK
8	(8)	ADDRESS	4	STCKBLEN	LENGTH OF BLOCK
12	(C)	ADDRESS	4	STCKUSED	TOTAL BYTES USED
16	(10)	ADDRESS	4	STCKMAXU	LARGEST EVER USED

ADFSTCK Map

ADFSTP Information

ADFSTP Heading Information

Common Name: Session Manager Stacked PF Key Block
Macro ID: ADFSTP
DSECT Name: STPBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: Variable, depending on the size of the text area
Created by: ADFICSAV
Pointed to by: DDBSTCKP field of the DDB
Serialization: None
Function: The stacked PF key block describes the saved PF key definitions.

ADFSTP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	STPBLOCK	STACKED PFK BLOCKS
0	(0)	ADDRESS	4	STPPTR	POINTER TO NEXT OLDEST STPBLOCK
4	(4)	ADDRESS	4	STPBPTR	POINTER TO NEXT YOUNGEST STPBLOCK
8	(8)	UNSIGNED	4	STPVSIZE	SIZE OF VARIABLE AREA
12	(C)	ADDRESS	4	STPVPFKS (4294967320:553725952)	POINTERS TO THE DEFINITIONS
108	(6C)	CHARACTER	*	STPVARBL	START OF TEXT AREA

ADFSTS Information

ADFSTS Heading Information

Common Name: Session Manager Stacked Screen Entry
Macro ID: ADFSTS
DSECT Name: STSBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: Variable, depending on the number of windows
Created by: ADFICSAV
Pointed to by: DDBSTCKS field of the DDB
Serialization: None
Function: Serves as a Session Manager control block.
 Contains window information.

ADFSTS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	STSBLOCK	STACKED SCREEN ENTRY
0	(0)	ADDRESS	4	STSBPTR	POINTER TO NEXT OLDEST STSBLOCK
4	(4)	ADDRESS	4	STSBPTR	POINTER TO NEXT YOUNGEST STSBLOCK
8	(8)	ADDRESS	4	STSTCKW	WINDOW STACK ANCHOR
12	(C)	CHARACTER	8	STSDFLD	NAME OF DEFAULT WINDOW
20	(14)	UNSIGNED	2	STSCNTL	SAVE DDBCNTIM
22	(16)	UNSIGNED	2	STSWAIT	SAVE DDBWTIME
24	(18)	UNSIGNED	1	STSWNCNT	SAVED WINDOW COUNT
25	(19)	UNSIGNED	1	STSWINC	WINDOW NUMBER FOR CURSOR
26	(1A)	UNSIGNED	1	STSTFIXCR	ROW AND COLUMN FOR CURSOR
				(4294967298:553725952)	
28	(1C)	BIT(8)	1	STSTFLAGS	FLAGS
		1...		STSTNOTFY	SAVE DDBNOTFY
		.111 1111		*	RESERVED
29	(1D)	UNSIGNED	1	STSTWINCT	WINDOW NUMBER FOR TEMPORARY CURSOR
30	(1E)	UNSIGNED	1	STSTMPCR	ROW AND COLUMN FOR TEMPORARY CURSOR
				(4294967298:553725952)	
32	(20)	CHARACTER	14	STSTVARBL (*)	VARIBLE SECTION
32	(20)	CHARACTER	8	STSTWNNM	WINDOW NAME
40	(28)	UNSIGNED	1	STSTSSROW	START ROW OF WINDOW
41	(29)	UNSIGNED	1	STSTSSCOL	START COLUMN OF WINDOW
42	(2A)	SIGNED	2	STSTSLINES	NUMBER OF LINES IN WINDOW
44	(2C)	SIGNED	2	STSTSWDTH	DATA WIDTH OF WINDOW TSOE R2-PLS3 ARRAY ER

ADFSTS Cross Reference

ADFSTS Cross Reference

Name	Hex Offset	Hex Value
STSBLOCK	0	
STSBPTR	4	
STSCNTL	14	
STSDFLD	C	
STSFIXCR	1A	
STSFILGS	1C	
STSPTR	0	
STSLINES	2A	
STSNOTFY	1C	80
STSSCOL	29	
STSSROW	28	
STSTCKW	8	
STSTMPCR	1E	
STSVARBL	20	
STSWAIT	16	
STSWDTH	2C	
STSWINC	19	
STSWINCT	1D	
STSWNCNT	18	
STSWNNM	20	

ADFSTW Information

ADFSTW Heading Information

Common Name: Session Manager Stacked Window Block
Macro ID: ADFSTW
DSECT Name: STWBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: 44 bytes
Created by: ADFICSAV
Pointed to by: N/A
Serialization: None
Function: The STWBLOCK Stores selected fields from the window block on the window stack.

ADFSTW Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	44	STWBLOCK	STACKED WINDOW BLOCKS	
0	(0)	ADDRESS	4	STWFPTR	POINTER TO NEXT OLDEST STWBLOCK	
4	(4)	ADDRESS	4	STWBPTR	POINTER TO NEXT YOUNGEST STWBLOCK	
8	(8)	SIGNED	2	STWLBASE	SAVE WINLBASE	
10	(A)	CHARACTER	8	STWNAME	STREAM FOR INPUT	
18	(12)	CHARACTER	8	STWMNAME	STREAM BEING MONITORED	
26	(1A)	UNSIGNED	1	STWFLAGS	FLAG BYTE	
		1...		STWINPA	SAVE WININPA	
		.1...		STWALRM	SAVE WINALRM	
		..1.		STWKCUR	SAVE WINKCUR	
		...1		STWINDRK	SAVE WININDRK	
		.... 1...		STWINBRI	SAVE WININBRI	
		.... .1..		STWPROT	SAVE WINPROT	
		.... ..11		*	RESERVED	
27	(1B)	CHARACTER	1	STWMODE	SAVE WINMODE	
28	(1C)	UNSIGNED	1	STWREPT	SAVE WINREPT	
29	(1D)	CHARACTER	1	STWHOLD	SAVE WINHOLD	
30	(1E)	CHARACTER	2	STWAVL1	RESERVED	
32	(20)	UNSIGNED	4	STWCURN	SAVE WINCURN	
36	(24)	UNSIGNED	4	STWPOSN	SAVE WINFRMN	
40	(28)	UNSIGNED	4	STWITIME	SAVE WINITIME	

ADFSTW Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
STWALRM	1A	40	STWMNAME	12	
STWAVL1	1E		STWMODE	1B	
STWBLOCK	0		STWNAME	A	
STWBPTR	4		STWPOSN	24	
STWCURN	20		STWPROT	1A	04
STWFLAGS	1A		STWREPT	1C	
STWFPTR	0				
STWHOLD	1D				
STWINBRI	1A	08			
STWINDRK	1A	10			
STWINPA	1A	80			
STWITIME	28				
STWKCUR	1A	20			
STWLBASE	8				

ADFWIN Information

ADFWIN Heading Information

Common Name: Session Manager Current Window Descriptor Block
Macro ID: ADFWIN
DSECT Name: WINBLOCK
Owning Component: TSO/E Session Manager (28505)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: Variable, depending on the number of lines
Created by: ADFICWIN
Pointed to by: DDBWNPT field of the DDB
Serialization: None
Function: The WINBLOCK describes one window on the display screen.

ADFWIN Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	*	WINBLOCK	WINDOW ENTRY	
0	(0)	CHARACTER	8	WINNAME	NAME OF STREAM FOR INPUT	
8	(8)	SIGNED	2	WINLINES	NUMBER OF LINES IN WINDOW	
10	(A)	SIGNED	2	WINWIDTH	DATA WIDTH OF WINDOW	
12	(C)	CHARACTER	1	WINSROW	START ROW OF WINDOW	
13	(D)	CHARACTER	1	WINSCOL	START COLUMN OF WINDOW	
14	(E)	CHARACTER	2	*	RESERVED	
16	(10)	CHARACTER	4	*		
16	(10)	CHARACTER	1	WINHOLD	HOLD MODE	
17	(11)	CHARACTER	1	WINDMODE	DISPLAY MODE	
18	(12)	UNSIGNED	1	WINREPT	LINES TO REPEAT ON NEXT FRAME	
19	(13)	CHARACTER	1	*	RESERVED	
20	(14)	CHARACTER	2	WINFLAGS	VARIOUS FLAGS	
		1...		WININPA	ONE IF NEW LINES WANTED	
		.1..		WINFRM	FRAME TO WINFRMN	
		..1.		WINREQIO	WINDOW REQUIRES I/O	
		...1		WINALRM	SOUND ALARM WHEN CHANGED	
		.... 1...		WININPT	AT LEAST ONE LINE OF INPUT	
		.... .1..		WINKCUR	KEEP CURSOR INFO IN STREAM	
		.... ..1.		WINCHG	SET WHEN CNTL INFO CHANGES	
		.... ...1		WININDRK	MAKE INPUT INVISIBLE	
21	(15)	1...		WININBRI	MAKE INPUT HIGHLIGHTED	
		.1..		WINPROT	WINDOW IS PROTECTED	
		..11 1111		*	RESERVED	
22	(16)	SIGNED	2	WINLBASE	HORIZONTAL LINE BASE	
24	(18)	ADDRESS	4	WINSWB	POINTS TO SWBBLOCK	
28	(1C)	ADDRESS	4	WINSDB	POINTER TO SDB	
32	(20)	UNSIGNED	4	WINCURN	HIGHEST LLN SEEN IN STREAM	
36	(24)	UNSIGNED	4	WINFRMN	LLN POSTION REQUEST	
40	(28)	UNSIGNED	4	WINTLLN	LLN AT TOP OF WINDOW	
44	(2C)	UNSIGNED	4	WINBLLN	LLN AT BOTTOM OF WINDOW	
48	(30)	UNSIGNED	4	WINITIME	TIME BETWEEN WINDOW WRITES	
52	(34)	UNSIGNED	4	WINFTIME	TIME WINDOW WAS FILLED	
56	(38)	ADDRESS	4	WINCPOSN	COPY OF SDBPOSN LAST TIME	
60	(3C)	CHARACTER	16	WINLENT (*)	LINE ENTRY-ONE PER LINE	
60	(3C)	SIGNED	2	WINLLEN	LENGTH OF LINE	
62	(3E)	SIGNED	2	WININLEN	LENGTH OF INPUT LINE	
64	(40)	CHARACTER	2	WINLSBA	SAVED HARDWARE ADDRESS	
66	(42)	BIT(8)	1	WINFLGS	FLAGS FOR THIS LINE	
		1...		WINLCHG	THIS LINE HAS CHANGED	

ADFWIN Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		WININLIN	WININADD AND WININLEN ARE GOOD
67	(43)	UNSIGNED	1	WINLCNTL	LINE CONTROL FIELD
		1...		WINBRGHT	MAKE LINE BRIGHT
		.1..		WINDARK	MAKE LINE NOT DISPLAY
68	(44)	ADDRESS	4	WININADD	POINTER TO INPUT DATA
72	(48)	ADDRESS	4	WINADAT	POINTER TO DATA

ADFWIN Cross Reference

Name	Hex Offset	Hex Value
WINADAT	48	
WINALRM	14	10
WINBLLN	2C	
WINBLOCK	0	
WINBRGHT	43	80
WINCHG	14	02
WINCPOSN	38	
WINCURN	20	
WINDARK	43	40
WINDMODE	11	
WINFLAGS	14	
WINFRM	14	40
WINFRMN	24	
WINFTIME	34	
WINHOLD	10	
WININADD	44	
WININBRI	15	80
WININDRK	14	01
WININLEN	3E	
WININLIN	42	40
WININPA	14	80
WININPT	14	08
WINTIME	30	
WINKCUR	14	04
WINLBASE	16	
WINLCHG	42	80
WINLCNTL	43	
WINLENT	3C	
WINLFLGS	42	
WINLINES	8	
WINLLEN	3C	
WINLSBA	40	
WINNAME	0	
WINPROT	15	40
WINREPT	12	
WINREQIO	14	20
WINSCOL	D	
WINSDB	1C	
WINSROW	C	
WINSWB	18	
WINTLLN	28	
WINWDTH	A	

BCDIR Information

BCDIR Heading Information

Common Name: TSO/E Broadcast Notices Directory Record
Macro ID: IKJZT302
DSECT Name: BCDIR
Owning Component: TSO/E SCHEDULER (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 129 bytes
Created by: TSO/E commands accessing the broadcast data set
Pointed to by: N/A
Serialization: None
Function: Provides a mapping of the fields in the notices directory of the broadcast data set.

BCDIR Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	BCDIR	, -
0	(0)	X'19'	0	BCDNENT	"25" NUMBER OF ENTRIES
0	(0)	CHARACTER	5	BCDENTRY (0)	- ENTRY FOR 1 BROADCAST MSG NO.
0	(0)	BITSTRING	1	BCDMFLG (0)	- BROADCAST DIRECTORY MSG. FLAG:
		1...		BCDNOMSG	"BIT0" '1' = NO NOTICES MSG ASSIGNED TO THIS MSG NUMBER '0' = NOTICES MSG FOR THIS NUMBER IS ASSIGNED
0	(0)	SIGNED	2	BCDMSGNO	- BROADCAST NOTICES MSG NO. IN HEX
2	(2)	ADDRESS	3	BCDMRBA	- RELATIVE BLOCK ADDR OF NOTICE MSG RCD
5	(5)	CHARACTER	5	(24)	- RESERVE SPACE FOR 24 MORE ENTRIES IDENTICAL IN FORMAT TO 'BCDENTRY'
125	(7D)	CHARACTER	1	BCDREND	- END-OF-RECORD INDICATOR = X'7F'
126	(7E)	ADDRESS	3	BCDNEXT	- CHAIN PTR TO NEXT NOTICE DIRECTORY RCD (ZERO IF LAST)

BCDIR Cross Reference

Name	Hex Offset	Hex Value
BCDENTRY	0	
BCDIR	0	
BCDMFLG	0	
BCDMRBA	2	
BCDMSGNO	0	
BCDNENT	0	19
BCDNEXT	7E	
BCDNOMSG	0	80
BCDREND	7D	

BCMSG Information

BCMSG Heading Information

Common Name: TSO/E Broadcast Notices Message Record
Macro ID: IKJZT303
DSECT Name: BCMSG
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 129 bytes
Created by: TSO/E commands accessing the Broadcast Data Set
Pointed to by: N/A
Serialization: None
Function: Provides a mapping of the fields in the Notices Message Records of the Broadcast Data Set.

BCMSG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	BCMSG	, - BROADCAST NOTICES MESSAGE RECORD
0	(0)	SIGNED	1	BCMLNG	- LENGTH OF BROADCAST NOTICES MSG TEXT
1	(1)	CHARACTER	125	BCMTEXT	- MESSAGE TEXT (PADDED WITH BLANKS)
126	(7E)	BITSTRING	3		- RESERVED

BRKELEM Information

BRKELEM Heading Information

Common Name: TSO/E Break Element
Macro ID: BRKELEM
DSECT Name: BRK, BRKELEM
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: BRKELEM
 Offset: -8
 Length: 8
Storage Attributes: Subpool: 230
 Key: 1
Size: BRK - 8 bytes
 BRKELEM - 48 bytes
Created by: IKJEGAT
Pointed to by: BREAKTAB field of the TCOMTAB data area
Serialization: None
Function: Contains information about the break points set up in a program.

BRKELEM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	BRKELEM	
Comment					
MAPPING DSECT FOR BREAK ELEMENTS AND ASSOCIATED FLAGS. STATUS -- JBB2115 TSO/E FOR MVS/XA 01/01/82 COPYRIGHT -- 5685-025 COPYRIGHT (C) IBM CORP 1982, LICENSED MATERIAL - PROGRAM PROPERTY OF IBM REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083. CHANGE ACTIVITY -- THE PLS VERSION OF THIS MODULE WAS CREATED TO SUPPORT APAR OZ25414. E2115KY - JBB2115 TSO/E FOR MVS/XA E2115B8 - JBB2115 TSO/E FOR MVS/XA A-000000-999999					
End of Comment					
0	(0)	ADDRESS	4	BRKLINK	POINTER TO NEXT BREAK ELEMENT.
4	(4)	ADDRESS	4	BRKADDR	PROBLEM PROGRAM INSTRUCTION ADDRESS.
8	(8)	CHARACTER	8	BRKINST	ORIGINAL INSTRUCTION AND 2 BYTE SVC
16	(10)	BITSTRING	1	BRKFLGS	ONE BYTE FOR FLAGS.
		1... ..		BALSW	BAL, BALR, BAS, BASR, BSM OR BASSM IN ORIGINAL INSTRUCTION
		.1..		BRKRANGE	THIS BREAK ELEMENT IS ONE OF A RANGE.
		..1.		BRKLIST	THIS BREAK ELEMENT IS ONE OF A LIST
		...1		BRKNONOT	USER IS NOT TO BE NOTIFIED IF THIS BREAKPOINT IS ENCOUNTERED.
		.... 1...		BRK1TIME	ORIGINAL INSTRUCTION MAY NOT BE EXECUTED FROM BRKELEM. THE BREAKPOINT MUST BE REMOVED AND THE INSTRUCTION EXECUTED FROM THE ORIGINAL MODULE.
		.... .111		*	RESERVED
17	(11)	BITSTRING	1	*	RESERVED.
18	(12)	UNSIGNED	2	BRKDISP	DISPLACEMENT FROM FIRST ADDRESS OF A RANGE.

BRKELEM Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
20	(14)	ADDRESS	4	BRKNAME	POINTER TO THE ADDRESS STRING.
24	(18)	ADDRESS	4	BRKCHAIN	POINTER TO THE SUB-COMMAND CHAIN.
28	(1C)	SIGNED	4	BRKCOUNT	COUNT INFORMATION.
32	(20)	ADDRESS	4	BRKRB	POINTER TO PROB PROG RB.
36	(24)	ADDRESS	4	*	RESERVED WORD.

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	BRK	NAME FOR ENTIRE BREAK ELEMENT
0	(0)	CHARACTER	8	BRKPREF	BREAK ELEMENT PREFIX
0	(0)	CHARACTER	8	BRKID	ID: 'BRKELEM'
8	(8)	CHARACTER	40	*	BREAK ELEMENT PROPER

BRKELEM Cross Reference

Name	Hex Offset	Hex Value
BALSW	10	80
BRK	0	
BRKADDR	4	
BRKCHAIN	18	
BRKCOUNT	1C	
BRKDISP	12	
BRKELEM	0	
BRKFLGS	10	
BRKID	0	
BRKINST	8	
BRKLINK	0	
BRKLIST	10	20
BRKNAME	14	
BRKNONOT	10	10
BRKPREF	0	
BRKRANGE	10	40
BRKRB	20	
BRK1TIME	10	08

CA Information

CA Programming Interface information

Programming Interface information

CA

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

- CAPTECTC
- CAPTIBFR
- CAPTTMP
- CAPTUPT

End of Programming Interface information

CA Heading Information • CA Map

CA Heading Information

Common Name: Edit Command Processor Communication Area
Macro ID: IKJEBECA
DSECT Name: IKJEBECA, IKJEBECX
Owning Component: TSO/E EDIT (28501)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
 Key: 8
Size: IKJEBECA - 3992 bytes
 IKJEBECX - 8 bytes
Created by: IKJEBEIN
Pointed to by: Registers of the TSO/E EDIT modules, generally Register 9
Serialization: None
Function: This macro is used to define a DSECT for the communication area used by all modules that make up the EDIT command processor. It contains fields used by all TSO/E EDIT modules, including work areas parameter lists, data set attributes, control information, and save areas.

CA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	3992	IKJEBECA	COMMUNICATION AREA
0	(0)	ADDRESS	4	CAPTTMP	ADDRESS OF TMP PARAMETER LIST
4	(4)	SIGNED	4	*	RESERVED
8	(8)	ADDRESS	4	CAPTAE	ADDRESS OF IKJEBEAE
12	(C)	ADDRESS	4	CAPTAT	ADDRESS OF IKJEBEAT
16	(10)	ADDRESS	4	CAPTLE	ADDRESS OF IKJEBELE
20	(14)	ADDRESS	4	CAPTMS	ADDRESS OF IKJEBEMS
24	(18)	ADDRESS	4	CAPTUT	ADDRESS OF IKJEBEUT
28	(1C)	ADDRESS	4	CAPTMSGM	ADDRESS OF MESSAGE MODULE PRESENTLY IN STORAGE
32	(20)	ADDRESS	4	CAPTRTRY	ADDRESS OF STAE RETRY ROUTINE
36	(24)	ADDRESS	4	CAPTPRSD	ADDRESS OF IKJPARS PDL
36	(24)	ADDRESS	1	CAPRSPDL	INDICATOR BYTE
		1...		CAFREEDL	1 - PDL DOES NOT EXIST 0 - PDL REQUIRES FREEMAIN
40	(28)	ADDRESS	4	CAPTIBFR	ADDRESS OF INPUT BUFFER
		1...		CAOPERND	1 - OPERANDS PRESENT 0 - NO OPERANDS
44	(2C)	ADDRESS	4	CAPTSCMD	ADDRESS OF SUBCOMMAND LAST ENTERED
48	(30)	SIGNED	2	CASCMDLN	LENGTH OF SUBCOMMAND NAME LAST ENTERED
50	(32)	SIGNED	2	*	RESERVED
52	(34)	ADDRESS	4	CAPTDCB	ADDRESS OF CURRENT UTILITY DCB
56	(38)	ADDRESS	4	CAPTDCB	ADDRESS OF NEW UTILITY DCB
60	(3C)	SIGNED	4	CAUTILNO	NUMBER OF RECORDS IN UTILITY DATA SET
64	(40)	ADDRESS	4	CAPTCORE	ADDRESS OF GETMAIN AREA
68	(44)	SIGNED	4	CACORELN	LENGTH OF GETMAIN AREA
72	(48)	ADDRESS	4	CAPTCHK	ADDRESS OF SYNTAX CHECKER OR LANGUAGE PROCESSOR
76	(4C)	ADDRESS	4	CAPTNBFR	ADDRESS OF SUBCOMMAND A45155 BUFFER TO BE USED A45155 UPON COMPLETION OF A45155 CURRENT SUBCOMMAND A45155
80	(50)	ADDRESS	4	CAPTICDS	ADDRESS OF INCORE Y02676 DATA SET (SP78) Y02676
84	(54)	ADDRESS	4	CAPTICLN	ADDRESS OF INCORE Y02676 DATA SET LENGTH Y02676 FIELD Y02676
88	(58)	CHARACTER	24	*	RESERVED

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
112	(70)	ADDRESS	4	CAESDSPL	ADDRESS OF EDIT/SAVE DATASET FOR LINEDROP
116	(74)	SIGNED	2	CAMAXBLK	MAXIMUM BLKSIZE FOR EDITSAVE DATASET USED FOR LINEDROP
118	(76)	CHARACTER	2	*	RESERVED

Comment

THIS SECTION CONSISTS OF THE CONTROL FLAGS AND A BREAK DOWN OF THE BIT SWITCHES

End of Comment

120	(78)	SIGNED	4	CAATTN	ATTENTION ECB
		1...		*	WAIT BIT
		.1..		CAATTNIS	COMPLETE BIT
124	(7C)	CHARACTER	28	CACFLAG	CONTROL FLAGS
124	(7C)	CHARACTER	1	CACFLAG1	CONTROL FLAG 1
		1...		CALNTOVF	LINE TO BE VERIFIED, 1 - YES/ 0 - NO
		.1..		CAVRFYSW	VERIFY SWITCH, 1-ON/0-OFF
		..1.		CAPROMPT	PROMPT SWITCH, 1-ON/0-OFF
		...1		CASCANSW	SCAN SWITCH, 1-ON/0-OFF
		.... 1...		CAINITSC	SPECIAL CALL OF SCAN 1-YES/0-NO
		.... .1..		CAENDSC	SCAN CALLED BY END, 1 - YES / 0 - NO
		.... .1.		CACAPS	1 - 'CAPS' / 0 - 'ASIS'
		.... ...1		CANONUM	1-'NONUM'/0-'NUM'
125	(7D)	CHARACTER	1	CACFLAG2	CONTROL FLAG 2
		1...		CADSMODS	DATA SET MODIFIED, 1 - YES/ 0 - NO
		.1..		CARECFM	0 - VARIABLE/ 1 - FIXED
		..1.		CASCANON	1 - 'SCAN'/ 0 - 'NO SCAN'
		...1		CAMODMSG	0-MODE MSG NOT TO BE ISSUED 1-ISSUE EDIT MODE MSG
		.... 1...		CASEQCOL	SEQUENCE FIELD COLUMN NUMBERS ARE NON-STANDARD, 1-YES/0-NO
		.... .111		*	RESERVED
126	(7E)	CHARACTER	1	CACFLAG3	CONTROL FLAG 3
126	(7E)	BITSTRING	1	CAIMFLG	FLAGS USED BY INPUT
		1...		CAIMPT	1 - PROMPT/ 0 - NO PROMPT
		.1..		CAIMINS	1-INPUT ENTERED FROM INSERT 0-NOT ENTERED FROM INSERT
		..1.		CAIMSC	INPUT ENTERED FROM CARRIAGE RETURN, 1-YES/0-NO
		...1		CAIMIR	1 - I-FORM/ 0 - R-FORM
		.... 1...		CAIMCIN	1-INCREMENT SPECIFIED 0-NO INCREMENT SPECIFIED
		.... .1..		CAIMSFT	1-INPUT WILL PROMPT 0-TCAM WILL PROMPT
		.... .1.		CAIMINPT	1-INPUT HAS WRITTEN YA00040 LINES, 0 - NO YA00040
		.... ...1		CAIMMPT	1- PROMPT MEMBERS = ZA28223 DURING EDIT SAVE
127	(7F)	CHARACTER	1	CACFLAG4	CONTROL FLAG 4
		1...		CAFINDIS	1-FIND ISSUED 0-FIND NOT ISSUED
		.1..		CAPTGTBF	1-FREE BUFFER AT EXIT FROM SUBCOMMAND/0-DO NOT FREE
		..1.		CATPUTVF	1-PRINT VERIFY LINE 0-DO NOT PRINT VERIFY LINE
		...1		CAABEND	1-ABEND IN PROCESS 0-ABEND NOT IN PROCESS
		.... 1...		CASCRC20	1-SYNTAX CHECKER RECOVERY IN PROCESS/0-NOT IN PROCESS
		.... .1..		CAINPROC	EDIT BEING EXECUTED FROM AN IN CORE PROCEDURE,1-YES/0-NO
		.... .1.		CARECURS	1-RECURSIVE ABEND 0-NO RECUR. ABEND
		.... ...1		CADSUSED	DATASET NAME TO BE USED 0-USE &EDIT 1-USE &EDIT2
128	(80)	CHARACTER	1	CACFLAG5	CONTROL FLAG 5

CA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		CAEDLNDR	LINEDROP RECOVERY INDICATOR 1-LINEDROP HAS OCCURRED 0-NOT LINEDROP
		.1..		CAEDITAR	EDIT AUTOMATIC RECOVERY INDICATOR 0-AUTO REC NOT IN PROGRESS 1- AUTO REC IS IN PROGRESS
		..1.		CATEMPWF	WORKFILE TYPE TO BE USED BY EDIT-THROUGHOUT THIS SESSION 0-TEMPORARY WORKFILES USED 1-PERMANENT WORKFILES USED
129	(81)	...1 1111 CHARACTER 1...	1	* CACFLAG6 CAFREE	BITS 4-7 RESERVED CONTROL FLAG 6 GOFORT STATEMENT FORMAT 1 - FREE / 0 - FIXED
		.1..		CACHAR48	PLI 48 CHARACTER SET 1-YES / 0-NO
		..1.		CACHAR60	PLI 60 CHARACTER SET 1-YES / 0-NO
		...1 1111		*	RESERVED
130	(82)	CHARACTER	1	CAPLILFM	PLI LEFT SOURCE MARGIN
131	(83)	CHARACTER	1	CAPLIRTM	PLI RIGHT SOURCE MARGIN
132	(84)	CHARACTER	20	*	RESERVED

Comment

THE FOLLOWING SECTION DEFINES ATTRIBUTES Y02676 ASSOCIATED WITH THE TYPE OF DATA SET BEING Y02676 EDITED. Y02676

Y02676

NOTE -- FIELD NAMES 'CAPD' THROUGH 'CAPDEND' Y02676 INDICATE THE POSITIONAL RELATIONSHIP OF Y02676 PROCESSOR INFORMATION RETURNED BY Y02676 THE PROCESSOR SEARCH ROUTINE(IKJEBEPS) Y02676 THE FIELDS 'CAPD' THROUGH 'CAEXTNAM' Y02676 MAINTAIN THE SAME RELATIONSHIP IN THE Y02676 INITIALIZED COMMUNICATION AREA. Y02676 INFORMATION DESCRIBED IN FIELDS Y02676 'CADATEXT' THROUGH 'CAPDEND' IS Y02676 TRANSFERRED TO THE PROCESSOR EXTENSION Y02676 AREA (IKJEBECX STRUCTURE) DURING EDIT Y02676 INITIALIZATION. THE ADDRESS OF THIS Y02676 AREA IS MAINTAINED IN THE FIELD Y02676 'CAPTPDXT'. Y02676
A45714

End of Comment

152	(98)	CHARACTER	74	CAPD	TABLE ENTRY FROM Y02676 IKJEBEPD Y02676
152	(98)	CHARACTER	8	CADSTYPE	DATA SET TYPE KEYWORD
160	(A0)	CHARACTER	8	CADSQUAL	DATA SET NAME QUALIFIER
168	(A8)	SIGNED	2	CABLKS	DEFAULT BLOCK SIZE
170	(AA)	CHARACTER	1	CALINE	LINE NUMBER OFFSET
171	(AB)	CHARACTER	1	CALENGTH	LINE NUMBER LENGTH
172	(AC)	CHARACTER	12	CATABS	TABSETTING VALUES AND SWITCH
184	(B8)	CHARACTER	8	CASYNAM	SYNTAX CHECKER NAME
192	(C0)	CHARACTER	1	CADSCODE	DATA SET TYPE CODE
193	(C1)	CHARACTER	1	CADSATTR	DATA SET ATTRIBUTES
		1...		CARUN	EXECUTABLE UNDER EDIT, 1 - YES/ 0 - NO
		.1..		CASCAN	SYNTAX CHECKING ALLOWED, 1 - YES/ 0 - NO
		..1.		CACAPSRQ	CAPS REQUIRED, 1 - YES/ 0 - NO
		...1		CACAPSDF	CAPS DEFAULT, 1-YES/0-ASIS
		.... 1...		CADSCONT	CONTINUATION REMAINS IN RECORD, 1-YES/0-NO
		.... .1..		CALNNUM	DATA SET MUST BE LINE NUMBERED, 1 - YES/ 0 - NO
		.... ..1.		CALRECLX	LRECL DEFAULT REQUIRED 1-YES/0-NO
		.... ...1		*	RESERVED
194	(C2)	CHARACTER	1	CADSATR2	DATA SET ATTRIBUTES

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		1...		CALINTAB	LINE NUMBER LENGTH IN TAB VALUE, 1-YES/0-NO
		.1..		CADSNDEF	DSTYPE IS DSNAME QUALIFIER DEFAULT 1-YES/0-NO
		..1.		CAOBJGEN	IS AN OBJECT DATASET GENERATED FOR THIS DSTYPE 1-YES/0-NO
		...1		CARUNDS	PROMPTER ACCEPTS INCORE SOURCE: 1 -YES/0-NO A45714
		.... 1..		CAINLIST	PROMPTER ACCEPTS Y02676 INLIST SOURCE Y02676 1-YES/ 0-NO Y02676
		.... .111		*	BITS 5-7 RESERVED Y02676
195	(C3)	CHARACTER	1	CARECFMD	RECORD FORMAT DEFAULT
196	(C4)	CHARACTER	2	CAFLRLDF	F FORMAT LRECL DEFAULT
198	(C6)	CHARACTER	2	CAFLRLMX	F FORMAT LRECL MAXIMUM
200	(C8)	CHARACTER	2	CAVLRLDF	V FORMAT LRECL DEFAULT
202	(CA)	CHARACTER	2	CAVLRLMX	V FORMAT LRECL MAXIMUM
204	(CC)	CHARACTER	2	CAULRLDF	U FORMAT LRECL DEFAULT
206	(CE)	CHARACTER	2	CAULRLMX	U FORMAT LRECL MAXIMUM
208	(D0)	CHARACTER	2	CACHKOPT	CHECKER OPT. BYTES A45714
210	(D2)	CHARACTER	8	CAPRNAME	PROMPTER NAME
218	(DA)	CHARACTER	8	CAEXTNAM	USER EXIT NAME A45714
226	(E2)	CHARACTER	8	CADATEXT	DATEXIT ROUTINE NAME Y02676
234	(EA)	CHARACTER	0	CAPDEND	END OF TABLE ENTRY
226	(E2)	CHARACTER	2	*	RESERVED Y02676
228	(E4)	ADDRESS	4	CAPTPDXT	ADDRESS OF TABLE Y02676 EXTENSION AREA Y02676

Comment

OTHER DATA SET RELATED INFORMATION

End of Comment

232	(E8)	SIGNED	2	CALRECL	DATA LENGTH PLUS CONTROL WORD
234	(EA)	SIGNED	2	CABLK2	FINAL COPY BLKSIZE Y01676
236	(EC)	CHARACTER	1	CAEDFLAG	CONTROL FLAG FOR EDIT DATA SET
		1...		CAEDITDS	1 - EDIT DATA SET 0 - SAVE DATA SET
		.1..		CAEDFNCP	FINAL COPY TO BE PERFORMED 1-YES / 0-NO
		..1.		CAEDINCP	INITIAL COPY TO BE PERFORMED, 1-YES / 0-NO
		...1		CAEDDISP	1-DISP=OLD / 0-DISP=NEW
		.... 1..		CAEDMEM	MEMBER EXISTS, 1-YES/0-NO
		.... .1..		CAEDDSOR	1-DSORG=PS/ 0-DSORG=PO
		.... .1.		CAEDUNCG	0-CATLG/ 1-UNCATLG
		.... ...1		CAEDALOC	DATA SET ALLOCATED - 0-NO/ 1-YES
237	(ED)	CHARACTER	1	CAEDFLG2	FLAG 2 - EDIT DATA Y01676 SET ATTRIBUTES Y01676
		1...		CAEDPRTC	DATA SET CONTAINS Y01676 CONTROL CHARS Y01676 1 - YES/ 0 - NO Y01676
		.1..		CAEDMODE	EDIT MODE INDICATOR 0-EDIT MODE 1-INPUT MODE
		..1.		CAEDRCVR	EDIT RECOVERY INDICATOR 0-RECOVERY NOT REQUESTED 1-RECOVERY REQUEST
		...1		CACALLRC	INDICATES IF IKJEBERC IS TO BE CALLED TO VERIFY UTILITY DATASETS 0-DO NOT CALL IKJEBERC 1-CALL IKJEBERC
		.... 1..		CAUTL1AL	EDITUTL1 ALLOC INDICATOR 0-EDIT ALLOCATED IT 1-USER ALLOCATED IT
		.... .1..		CAUTL2AL	EDITUTL2 ALLOCATION INDICATOR 0-EDIT ALLOCATED IT 1-USER ALLOCATED IT
		.... .1.		CAUTLWHO	INDICATES WHO ALLOCATED THE NEXT UTILITY DSN TO BE USED. 0-EDIT ALLOCATED 1-USER ALLOCATED
		.... ...1		CAEDNORC	EDIT NORECOVERY INDICATOR 0- NORECOVERY NOT SPECIFIED 1- NORECOVERY IS SPECIFIED
238	(EE)	SIGNED	2	CAEDDSNL	LENGTH OF EDIT DSNAME
240	(F0)	CHARACTER	44	CAEDDSN	DSNAME OF EDIT DATA SET

CA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
284	(11C)	CHARACTER	8	CAEDMEMB	MEMBER OF EDIT DATA SET
292	(124)	CHARACTER	8	CAEDDDN	DDNAME FOR EDIT DATA SET
300	(12C)	CHARACTER	8	CAEDPSWD	PASSWORD FOR EDIT DATA SET
308	(134)	SIGNED	4	CAEDTSIZ	NUMBER OF RECORDS IN UTILITY DATA SET
312	(138)	SIGNED	4	CADSNPTR	POINTER TO NEXT INSERTION RECORD
316	(13C)	SIGNED	2	CADSNLEN	LENGTH OF THIS INSERTION
318	(13E)	SIGNED	2	CADSNOFF	OFFSET IN MESSAGE TO INSERTION
320	(140)	CHARACTER	56	CADSNREC	EDIT DATA SET NAME INSERTION
376	(178)	CHARACTER	1	CASAFLAG	CONTROL FLAG FOR EDIT DATA SET
		1...		CASAVEDS	1 - EDIT DATA SET 0 - SAVE DATA SET
		.1..		CASAFNCP	FINAL COPY TO BE PERFORMED 1-YES / 0-NO
		..1.		CASAINCP	INITIAL COPY TO BE PERFORMED, 1-YES / 0-NO
		...1		CASADISP	1-DISP=OLD/ 0-DISP=NEW
		.... 1..		CASAMEM	1 - MEMBER EXISTS 0 - MEMBER DOES NOT EXIST
		.... .1..		CASADSOR	0-DSORG=PS/1-DSORG=PO
		.... .1.		CASAUNCG	0-CATLG/1-UNCATLG
		.... ...1		CASAALOC	DATA SET ALLOCATED - 0-NO/ 1-YES
377	(179)	CHARACTER	1	CASAFLG2	FLAG 2 - SAVE DATA Y01676 SET ATTRIBUTES Y01676
		1...		CASANCTG	DISP OF NEW,CATLG Y01676 IS REQUIRED 1-Y/0-N Y01676
		.1..		CASADQTY	SPACE ALLOCATION TO Y01676 BE DOUBLED 1-Y/0-N Y01676
378	(17A)	SIGNED	2	CASADSNL	LENGTH OF SAVE DATA SET
380	(17C)	CHARACTER	44	CASADSN	SAVE DATA SET NAME
424	(1A8)	CHARACTER	8	CASAMEMB	MEMBER NAME FOR EDIT DATA SET
432	(1B0)	CHARACTER	8	CASADDN	SAVE DATA SET DDNAME
440	(1B8)	CHARACTER	8	CASAPSWD	PASSWORD FOR SAVE DATA SET
448	(1C0)	SIGNED	4	CASTNUM	STARTING LINE NUMBER
452	(1C4)	SIGNED	4	CANXTREC	NEXT RECORD KEY FOR INPUT MODE
456	(1C8)	SIGNED	4	CACURNUM	CURRENT LINE NUMBER,'*
460	(1CC)	SIGNED	4	CAINCURE	LINE NUMBER INCREMENT
464	(1D0)	SIGNED	4	CAIMLLNO	LAST LINE NUMBER USED IN INPUT MODE
468	(1D4)	SIGNED	4	CAIMLINC	LAST INCREMENT USED IN INPUT MODE
472	(1D8)	ADDRESS	4	*	RESERVED
476	(1DC)	SIGNED	4	CAINSAVE	LAST LINE NUMBER IN INPUT MODE WHEN INSERT USED
480	(1E0)	SIGNED	4	CARECNO	NO. OF ADDITIONAL RECORDS TO BE ADDED TO THE UTILITY DS SIZE
484	(1E4)	SIGNED	4	CAUTSAVE	SAVE AREA FOR LINE NO
488	(1E8)	CHARACTER	4	*	RESERVED
492	(1EC)	CHARACTER	1	*	BIT SWITCH FOR FIND
		1...		CAFILINO	LINE ZERO FOUND
		.111 1111		*	RESERVED
493	(1ED)	CHARACTER	3	*	RESERVED

Comment

SYNTAX CHECKER INTERFACE AND PARAMETER LIST

End of Comment

496	(1F0)	CHARACTER	12	CASYNLST	SYNTAX CHECKER PARAMETER LIST
496	(1F0)	ADDRESS	4	CASYNBFR	ADDRESS OF FIRST BUFFER IN CHAIN
500	(1F4)	ADDRESS	4	CASYNPWA	ADDRESS OF WORK AREA
504	(1F8)	ADDRESS	4	CASYNPTO	ADDRESS OF OPTION WORD
508	(1FC)	CHARACTER	16	CASYNWA	CHECKER WORK AREA
508	(1FC)	CHARACTER	1	CASYNECD	SYNTAX CHECKER ENTRY CODE
509	(1FD)	ADDRESS	3	CASYNWAP	ADDRESS OF CHECK WORK AREA
512	(200)	ADDRESS	4	CASYNMS1	ADDRESS OF FIRST ERROR MSG
516	(204)	ADDRESS	4	CASYNMS2	ADDRESS OF SECOND AND CHAINED MESSAGES
520	(208)	SIGNED	4	CASYNTEM	TEMPORARY STORAGE FOR CHECKER
524	(20C)	SIGNED	4	CASYNOPT	OPTION WORD
524	(20C)	CHARACTER	1	CASYNCD1	OPTION WORD CODE 1

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
525	(20D)	CHARACTER	1	CASYNCD2	OPTION WORD CODE 2
526	(20E)	CHARACTER	1	CASYNRCL	RECORD LENGTH FOR FIXED RECORDS(ZERO IF VARIABLE)
527	(20F)	CHARACTER	1	CASYNB	BIT SWITCHES
		1...		*	RESERVED
		.1..		CASYNLN	1 - LINE NUMBERED 0 - NOT LINE NUMBERED
		..1.		*	RESERVED
		...1		CASYNIS	0 - DIAGNOSE INCOMPLETE STATEMENTS / 1 - DO NOT DIAGNOSE INCOMPLETE STATEMENTS
		.... 1...		CASYNRFM	1 - VARIABLE RECORD FORMAT 0 - FIXED RECORD FROMAT
		.... .1..		CASYNB	0 - STANDARD/ 1 - FREE FORM
		.... ..1.		CASYNML	0 - LMSG/ 1 - SMSG
		.... ...1		CASYNB	0 - 'SCAN'/ 1 - 'NOSCAN'

Comment

PARAMETER LIST FOR TMP SERVICE ROUTINES, WORK AREAS, SAVE AREAS, AND BUFFER POOLS

End of Comment

528	(210)	CHARACTER	28	CATMPLST	TMP SERVICE ROUTINE PARAMETER LIST
528	(210)	ADDRESS	4	CAPUPT	ADDRESS OF UPT
532	(214)	ADDRESS	4	CAPTECT	ADDRESS OF ECT
536	(218)	ADDRESS	4	CAPTECB	ADDRESS OF ECB
540	(21C)	CHARACTER	16	CASRPLST	TMP SR PARAMETER LIST
556	(22C)	CHARACTER	20	CASTAXPL	STAX PARAMETER LIST
576	(240)	CHARACTER	20	CASTAEPL	STAE PARAMETER LIST
596	(254)	CHARACTER	32	CAMAWKA	MAIN CONTROLLER WORK AREA
596	(254)	CHARACTER	28	*	AREA DEFINED IN IKJEBEMA OR IN IKJEBEEN
624	(270)	CHARACTER	1	MACFLAGS	CONTROL FLAGS, BYTE 1
		1...		MAECTMOD	ECT MODIFIED TO DELETE 2ND LEVEL MESSAGES
		.1..		MAABBREV	SUBCOMMAND NAME / ABBREVIATION FLAG
		..1.		MAENDPRC	END PROCESSING COMPLETE
		...1		MAEBEIN	ABEND OCCURED IN INITIALIZATIO IN IKJEBEIN
		.... 1111		*	RESERVED
625	(271)	CHARACTER	1	MACFLAG2	CONTROL FLAGS, BYTE 2
		1...		MATABLE1	IBM/USER TABLE INDICATOR
		.111 1111		*	RESERVED
626	(272)	CHARACTER	2	*	RESERVED
628	(274)	CHARACTER	100	CAMSWKA	MESSAGE SELECTION PARAMETER LIST AND WORK AREA
728	(2D8)	CHARACTER	200	CASRWKA	SERVICE RTN WA
928	(3A0)	CHARACTER	24	CAMODEMG	INSERTION RECORD FOR COMMAND NAME
928	(3A0)	SIGNED	4	CAMODEIS	NUMBER OF INSERTIONS
932	(3A4)	ADDRESS	4	CAMODEPT	ADDRESS OF INSERTION TEXT
936	(3A8)	SIGNED	2	CAMODELN	LENGTH OF INSERTION RECORD
938	(3AA)	SIGNED	2	CAMODEOF	OFFSET IN MESSAGE FOR INSERTION
940	(3AC)	CHARACTER	12	CAMODETX	INSERTION TEXT
952	(3B8)	ADDRESS	4	CAATNBUF	ADDRESS OF INPUT A42953 BUFFER OBTAINED BY A42953 ATTENTION EXIT A42953
956	(3BC)	CHARACTER	108	CAATNWK	ATTENTION EXIT A42953 WORKAREA A42953
1064	(428)	CHARACTER	32	CALDROP	LINE DROP SAVE BUFFER Y02676
1096	(448)	CHARACTER	92	CAEDCB	USED AFTER ABEND BY FC Y02676
1188	(4A4)	CHARACTER	260	CAFIBFR	FIND BUFFER
1188	(4A4)	CHARACTER	260	CAARBFR	AUTOMATIC RECOVERY PROCESSING AREA FOR A NEW EDIT COMMAND BUFFER. USING CAFIBFR PRIOR TO ANY SUBCOMMANDS.
1448	(5A8)	CHARACTER	592	CASCWKA	SUBCOMMAND WORK AREA
2040	(7F8)	CHARACTER	66	*	RESERVED
2106	(83A)	CHARACTER	1	CAAEFLAG	ESTAE FLAGS
		1...		CAERRMSG	ISSUE MESSAGE 'EDIT ENDED DUE TO ERROR' INDICATOR 0-NO 1-YES

CA Constants

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		CAAECNCL	ISSUE MESSAGE 'EDIT SESSION CANCELLED'
		..1.		CAAERTRY	RETRY INDICATOR- AN ERROR IN PROCESSING HAS OCCURRED 0-RETRY IS POSSIBLE 1-RETRY IMPOSSIBLE
		...1		CARETAIN	EDITWORK DS DISP INDICATOR 1-RETAIN IT-UNALLOC KEEP 0-DELETE IT-UNALLOC
		.... 1111		*	DELETE
2107	(83B)	CHARACTER	1	*	RESERVED
2108	(83C)	SIGNED	2	CACKPINT	RESERVED
2110	(83E)	SIGNED	2	CACKPACT	CHECK POINT INTERVAL VALUE IF 0- NO INTERVAL CHECKPOINT- ING IS TO BE DONE CHECK POINT ACTUAL COUNT SET TO 0 WHENEVER A CHECK POINT IS TAKEN OR A NEW UTIL DATASET IS USED
2112	(840)	ADDRESS	4	CASDWAPT	POINTER TO SDWA USED BY AE
2116	(844)	ADDRESS	4	CAAERTPT	POINTER TO AE'S RETURN ADDR
2120	(848)	CHARACTER	528	CABFRPL	BUFFER POOL
2648	(A58)	CHARACTER	528	CATEMPBF	TEMPORARY BUFFER POOL AVAILABLE TO ALL EDIT SERVICE ROUTINES AND SUBCOMMANDS
3176	(C68)	CHARACTER	720	CASVAREA	CHAINED SAVE AREAS
3896	(F38)	ADDRESS	4	CANXTSVA	NEXT SAVE AREA TO USE
3900	(F3C)	CHARACTER	12	CACLPRM	PARAMETER LIST FOR TRKCALC
3900	(F3C)	CHARACTER	4	CACLCTYP	UCBTYP FIELD
3904	(F40)	CHARACTER	4	CACLCFLG	FLAG WORD
3908	(F44)	CHARACTER	4	CACLCRKD	RKDD WORD
3912	(F48)	CHARACTER	8	*	RESERVED
3920	(F50)	SIGNED	4	CADSNPT2	POINTER TO NEXT INSERTION RECORD
3924	(F54)	SIGNED	2	CADSNLN2	LENGTH OF THIS INSERTION, INCLUDING HEADER
3926	(F56)	SIGNED	2	CADSNOF2	OFFSET, IN MESSAGE, TO INSERTION
3928	(F58)	CHARACTER	56	CADSNRC2	SAVE DATA SET NAME MSG INSERTION
3984	(F90)	CHARACTER	8	CAPDEXT	PROCESSOR TABLE Y02676 EXTENSION AREA Y02676

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	8	IKJEBECX	PROCESSOR Y02676 TABLE EXTENSION AREA Y02676
0	(0)	CHARACTER	8	CXDATEXT	DATEXIT ROUTINE NAME Y02676 (0'S IF N/A FOR TYPE)Y02676

CA Constants

Len	Type	Value	Name	Description
Comment				
THIS SECTION DEFINES THE UNIQUE DATA SET CODES LOCATED IN THE FIELD - CADSCODE				
End of Comment				
4	DECIMAL		CASCWKAL	LEN OF CASCWKA
4	DECIMAL		CASRWKAL	LEN OF CASRWKA
1	HEX	01	CAPL1F	PL1F DATA SET
1	HEX	02	CAFORTE	FORTRAN E DSN
1	HEX	03	CAFORTG	FORTRAN G DSN
1	HEX	04	CAFORTH	FORTRAN H DSN
1	HEX	05	CATEXT	TEXT TYPE
1	HEX	06	CADATA	DATA TYPE
1	HEX	07	CACLIST	CLIST TYPE
1	HEX	08	CACNTL	CONTROL TYPE
1	HEX	15	CAASM	ASSEMBLER
1	HEX	16	CACOBOL	COBOL

Len	Type	Value	Name	Description
1	HEX	17	CAFORTGI	FORTRAN GI
1	HEX	1E	CAVBASIC	VS BASIC
1	HEX	1F	CAGOFORT	GOFORT
1	HEX	20	CABASIC	BASIC
1	HEX	21	CAIPLI	IPLI
1	HEX	22	CAPLI	PLI
1	HEX	32	CAEDTTYP	MAXIMUM VALUE DS TYPE

Comment

THIS SECTION DEFINES THE UNIQUE RECORD FORMAT DEFAULT CODES
LOCATED IN THE FIELD - CARECFMD

End of Comment

1	HEX	80	CARECFMF	FIXED
1	HEX	40	CARECFMV	VARIABLE
1	HEX	C0	CARECFMU	UNDEFINED

Comment

THIS SECTION DEFINES THE READ/WRITE CODES FOR IKJEBUG

End of Comment

1	HEX	00	CAUTREAD	READ RECORD LAST REFERENCED BY ACCESS METHOD
1	HEX	01	CAUTPREV	READ RECORD PREVIOUS TO LAST REC READ
1	HEX	02	CAUTNEXT	READ RECORD AFTER LAST REC READ
1	HEX	04	CAUTFRST	READ FIRST RECORD IN DATA SET
1	HEX	05	CAUTLAST	READ LAST RECORD IN DATA SET
1	HEX	10	CAUTDELT	DELETE LAST REFERENCED RECORD OR AS SPECIFIED BY WORD2 OF UT PARMLIST
1	HEX	20	CAUTWRT	WRITE THE RECORD THAT IS POINTED TO BY WORD2 OF UT DLIST
1	HEX	21	CAUTWRTS	WRITE SEQUENTIAL USED TO WRITE A NEW UTILITY DATA SET
1	HEX	22	CAUTWRBF	WRITE ALL BUFFERS THAT HAVE BEEN MODIFIED AND NOT WRITTEN

CA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CAABEND	7F	10	CACFLAG3	7E	
CAAECNCL	83A	40	CACFLAG4	7F	
CAAEDCB	448		CACFLAG5	80	
CAAFLAG	83A		CACFLAG6	81	
CAAERTPT	844		CACHAR48	81	40
CAAERTRY	83A	20	CACHAR60	81	20
CAARBFR	4A4		CACHKOPT	D0	
CAATNBUF	3B8		CACKPACT	83E	
CAATNWKA	3BC		CACKPINT	83C	
CAATTN	78		CACLCFLG	F40	
CAATTNIS	78	40	CACLCPRM	F3C	
CABFRPL	848		CACLCRKD	F44	
CABLK5	A8		CACLCTYP	F3C	
CABLK2	EA		CACORELN	44	
CACALLRC	ED	10	CACURNUM	1C8	
CACAPS	7C	02	CADATEXT	E2	
CACAPSDF	C1	10	CADSATR2	C2	
CACAPSRQ	C1	20	CADSATTR	C1	
CACFLAG	7C		CADSCODE	C0	
CACFLAG1	7C		CADSCONT	C1	08
CACFLAG2	7D		CADSMODS	7D	80

CA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CADSNDEF	C2	40	CALNNUM	C1	04
CADSNLEN	13C		CALNTOVF	7C	80
CADSNLN2	F54		CALRECL	E8	
CADSNOFF	13E		CALRECLX	C1	02
CADSNOF2	F56		CAMAWKA	254	
CADSNPTR	138		CAMAXBLK	74	
CADSNPT2	F50		CAMODEIS	3A0	
CADSNRC2	F58		CAMODELN	3A8	
CADSNREC	140		CAMODEMG	3A0	
CADSQUAL	A0		CAMODEOF	3AA	
CADSTYPE	98		CAMODEPT	3A4	
CADSUSED	7F	01	CAMODETX	3AC	
CAEDALOC	EC	01	CAMODMSG	7D	10
CAEDDDN	124		CAMSWKA	274	
CAEDDISP	EC	10	CANONUM	7C	01
CAEDDSN	F0		CANXTREC	1C4	
CAEDDSNL	EE		CANXTSVA	F38	
CAEDDSOR	EC	04	CAOBJGEN	C2	20
CAEDFLAG	EC		CAOPERND	28	80
CAEDFLG2	ED		CAPD	98	
CAEDFNCP	EC	40	CAPDEND	EA	
CAEDINCP	EC	20	CAPDEXT	F90	
CAEDITAR	80	40	CAPLILFM	82	
CAEDITDS	EC	80	CAPLIRTM	83	
CAEDLNDP	80	80	CAPRNAME	D2	
CAEDMEM	EC	08	CAPROMPT	7C	20
CAEDMEMB	11C		CAPRSPDL	24	
CAEDMODE	ED	40	CAPTAE	8	
CAEDNORC	ED	01	CAPTAT	C	
CAEDPRTC	ED	80	CAPTCDCB	34	
CAEDPSWD	12C		CAPTCHK	48	
CAEDRCVR	ED	20	CAPTCORE	40	
CAEDTSIZ	134		CAPTECB	218	
CAEDUNCG	EC	02	CAPTECT	214	
CAENDSC	7C	04	CAPTGTBF	7F	40
CAERRMSG	83A	80	CAPTIBFR	28	
CAESDSPL	70		CAPTICDS	50	
CAEXTNAM	DA		CAPTICLN	54	
CAFIBFR	4A4		CAPTLE	10	
CAFILINO	1EC	80	CAPTMS	14	
CAFINDIS	7F	80	CAPTMSGM	1C	
CAFRLRDF	C4		CAPTNBFR	4C	
CAFRLRMX	C6		CAPTPDCB	38	
CAFREE	81	80	CAPTPDXT	E4	
CAFREEDL	24	80	CAPTPRSD	24	
CAIMCIN	7E	08	CAPTRTRY	20	
CAIMFLG	7E		CAPTSCMD	2C	
CAIMINPT	7E	02	CAPTTMP	0	
CAIMINS	7E	40	CAPTUPT	210	
CAIMIR	7E	10	CAPTUT	18	
CAIMLINC	1D4		CARECFM	7D	40
CAIMLLNO	1D0		CARECFMD	C3	
CAIMMPT	7E	01	CARECNO	1E0	
CAIMPT	7E	80	CARECURS	7F	02
CAIMSC	7E	20	CARETAIN	83A	10
CAIMSFT	7E	04	CARUN	C1	80
CAINCRE	1CC		CARUNDS	C2	10
CAINITSC	7C	08	CASAALOC	178	01
CAINLIST	C2	08	CASADDN	1B0	
CAINPROC	7F	04	CASADISP	178	10
CAINSAVE	1DC		CASADQTY	179	40
CALDROP	428		CASADSN	17C	
CALENGTH	AB		CASADSNL	17A	
CALINE	AA		CASADSOR	178	04
CALINTAB	C2	80	CASAFLAG	178	

CA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CASAFLG2	179		MACFLAG2	271	
CASAFNCP	178	40	MAEBEIN	270	10
CASAINCP	178	20	MAECTMOD	270	80
CASAMEM	178	08	MAENDPRC	270	20
CASAMEMB	1A8		MATABLE1	271	80
CASANCTG	179	80			
CASAPSWD	1B8				
CASAUNCG	178	02			
CASAVEDS	178	80			
CASCAN	C1	40			
CASCANON	7D	20			
CASCANSW	7C	10			
CASCMDLN	30				
CASCRC20	7F	08			
CASCWKA	5A8				
CASDWAPT	840				
CASEQCOL	7D	08			
CASRPLST	21C				
CASRWKA	2D8				
CASTAEPL	240				
CASTAXPL	22C				
CASTNUM	1C0				
CASVAREA	C68				
CASYNAME	B8				
CASYNBFR	1F0				
CASYNCD1	20C				
CASYNCD2	20D				
CASYNECD	1FC				
CASYNIS	20F	10			
CASYNLN	20F	40			
CASYNLST	1F0				
CASYNML	20F	02			
CASYNMS1	200				
CASYNMS2	204				
CASYNOPT	20C				
CASYNPTO	1F8				
CASYNPWA	1F4				
CASYNRCL	20E				
CASYNRFM	20F	08			
CASYNSCN	20F	01			
CASYNSF	20F	04			
CASYNSW	20F				
CASYNTEM	208				
CASYNWA	1FC				
CASYNWAP	1FD				
CATABS	AC				
CATEMPBF	A58				
CATEMPWF	80	20			
CATMPLST	210				
CATPUTVF	7F	20			
CAULRLDF	CC				
CAULRLMX	CE				
CAUTILNO	3C				
CAUTLWHO	ED	02			
CAUTL1AL	ED	08			
CAUTL2AL	ED	04			
CAUTSAVE	1E4				
CAVLRLDF	C8				
CAVLRLMX	CA				
CAVRFYSW	7C	40			
CXDATEXT	0				
IKJEBECA	0				
IKJEBECX	0				
MAABBREV	270	40			
MACFLAGS	270				

CAFMAP Information

CAFMAP Programming Interface information

Programming Interface information

CAFMAP

End of Programming Interface information

CAFMAP Heading Information • CAFMAP Map

CAFMAP Heading Information

Common Name: Parameter list for the CLIST Attention Facility
Macro ID: IKJCAFPL
DSECT Name: CAFMAP
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: CAF
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Must be the subpool used by the invoker of IKJCAF
 Key: Must be in the same key as the invoker of IKJCAF
Size: 40 bytes
Created by: The invoker of IKJCAF
Pointed to by: Register 1
Serialization: None
Function: IKJCAFPL maps the parameters passed to the CLIST Attention Facility IKJCAF. It also contains the constants used to initialize the acronym and version number.

CAFMAP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	40	CAFMAP	
0	(0)	CHARACTER	4	CAFCAF	IDENTIFIER 'CAF ' - USE CAFCAF WHEN SETTING THIS VARIABLE
4	(4)	UNSIGNED	1	CAFLEV	VERSION NUMBER - USE CAFLEV WHEN SETTING THIS VARIABLE
5	(5)	BITSTRING	1	CAFRES01	RESERVED
6	(6)	BITSTRING	1	CAFRES02	RESERVED
7	(7)	BITSTRING	1	CAFRES03	RESERVED
8	(8)	CHARACTER	32	CAFARM	USED TO CLEAR OUT PARAMETER LIST
8	(8)	ADDRESS	4	CAFTAIE	POINTER TO THE TAIE
12	(C)	ADDRESS	4	CAFIOP	POINTER TO THE IOPL
16	(10)	ADDRESS	4	CAFPGPB	POINTER TO PUTGET PARM BLOCK
20	(14)	ADDRESS	4	CAFSTPB	POINTER TO STACK PARM BLOCK
24	(18)	CHARACTER	4	CAFABEND	ABEND CODE IF IKJCAF FAILS - SAME CONTENTS AS SDWAABCC
28	(1C)	SIGNED	4	CAFRSNCD	REASON CODE OR ZERO IF IKJCAF FAILS - SAME CONTENTS AS SDWAGR15
32	(20)	SIGNED	4	CAFRES05	RESERVED
36	(24)	SIGNED	4	CAFRES06	RESERVED
40	(28)	CHARACTER	0	CAFEND	ASSURE WORK AREA ENDS ON A DOUBLE WORD BOUNDARY. ANY ADDITIONS TO WORK AREA SHOULD BE PUT BEFORE CAFEND

CAFMAP Constants

Len	Type	Value	Name	Description
Comment				
THE FOLLOWING FIELDS ARE CONSTANTS THAT CAN BE USED TO SET CAFCAF OR CAFLEV				
End of Comment				
4	CHARACTER	CAF	CAFCAFC	CAF ACRONYM CONSTANT
1	DECIMAL	1	CAFLEVN	CAF VERSION NUMBER

CAFMAP Cross Reference

Name	Hex Offset	Hex Value
CAFABEND	18	
CAFCAF	0	
CAFEND	28	
CAFIOPL	C	
CAFLEV	4	
CAFMAP	0	
CAFPARM	8	
CAFPGPB	10	
CAFRES01	5	
CAFRES02	6	
CAFRES03	7	
CAFRES05	20	
CAFRES06	24	
CAFRSNCD	1C	
CAFSTPB	14	
CAFTAIE	8	

CHSDCPRB Information

CHSDCPRB Heading Information

Common Name: Connectivity Programming Request Block
Macro ID: CHSDCPRB
DSECT Name: CPRB
Owning Component: TSO/E MVSSERV (28507)
Eye-Catcher ID: CPRB
 Offset: 0
 Length: 4
Storage Attributes: Residency: Above or Below 16M
Size: 112 bytes
Created by: MVSSERV Service Request Interface (SRI) from a request SRIU, passed to a server
Pointed to by: ECF Request Queue Control Block
Serialization: None
Function: The CPRB is used for communications of service function requests between local and remote environments. The CPRB defines a service request and reply, and also defines the server parameter and data fields.

CHSDCPRB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	112	CHSDCPRB	Connectivity Programming Request Block
0	(0)	UNSIGNED	1	CRBF1	Version and modification level
1	(1)	UNSIGNED	1	CRBF2	Reserved.
2	(2)	UNSIGNED	1	CRBF3	Request flags.
		1...		CRBFMOV	1=Move mode, 0=Locate mode.
		.11.		*	Reserved.
		...1		CRBFREM	1=Remote origin, 0=Local origin.
		.... 1...		CRBFNWT	Requestor not waiting (use redrive address).
		.... .1..		CRBFNOR	Notify request (no reply expected).
		.... ..1.		CRBFSUB	Subrequest, REQID has original ID.
		.... ...1		CRBFRSP	Reply to previous request.
3	(3)	BITSTRING	1	CRBF4	Request type.
4	(4)	CHARACTER	4	CRBCPRB	Control Block Identifier.
8	(8)	SIGNED	4	CRBSRTNC	Server return code field.
12	(C)	SIGNED	4	CRBCRTNC	Enhanced Connectivity Facility return code field.
12	(C)	SIGNED	2	CRBCRSNC	Enhanced Connectivity Facility reason code.
14	(E)	SIGNED	2	CRBCRSPC	Enhanced Connectivity Facility response code.
16	(10)	CHARACTER	8	CRBSNAME	Server name.
24	(18)	UNSIGNED	2	CRBRSV1	Reserved.
26	(1A)	UNSIGNED	2	CRBFID	Server function number to be performed.
28	(1C)	CHARACTER	4	CRBRSV2	Reserved.
28	(1C)	SIGNED	2	CRBRSV3	Reserved.
30	(1E)	UNSIGNED	2	CRBRSV4	Reserved.
32	(20)	ADDRESS	4	CRBRSV5	Reserved.
36	(24)	UNSIGNED	4	CRBRSV6	Reserved.
40	(28)	SIGNED	4	CRBRQDLN	Requestor's request data area length.
44	(2C)	ADDRESS	4	CRBRQDAT	Requestor's request data area address.
48	(30)	SIGNED	4	CRBRPDLN	Reply data area length.
52	(34)	ADDRESS	4	CRBRPDAT	Reply data area address.
56	(38)	SIGNED	4	CRBRQPLN	Requestor's request parameter area length.
60	(3C)	ADDRESS	4	CRBRQPRM	Requestor's request parameter area address.
64	(40)	SIGNED	4	CRBRPPLN	Reply parameter area length
68	(44)	ADDRESS	4	CRBRPPRM	Reply parameter area address.
72	(48)	ADDRESS	4	CRBRSV7	Reserved.

CHSDCPRB Constants

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
76	(4C)	ADDRESS	4	CRBRSV8	Reserved.
80	(50)	ADDRESS	4	CRBRSV9	Reserved.
84	(54)	SIGNED	4	CRBRSV10	Reserved.
88	(58)	ADDRESS	4	CRBRSV11	Reserved.
92	(5C)	ADDRESS	4	CRBRSV12	Reserved.
96	(60)	CHARACTER	8	CRBRSV13	Reserved.
104	(68)	CHARACTER	8	CRBRSV14	Reserved.
112	(70)	CHARACTER	0	*	Force it to end in double word boundary.

CHSDCPRB Constants

Len	Type	Value	Name	Description
Comment				
C O N S T A N T S				
End of Comment				
1	HEX	01	CRBVERS	Version Number
4	CHARACTER	CPRB	CRBNAME	Control Block identifier
4	DECIMAL		CRBSIZE	Length of the CPRB
4	DECIMAL	0	CRBSUBPL	Subpool number
Comment				
Values used to set the server function request field - CRBF4				
End of Comment				
1	HEX	01	CRBRQS	Request Server request
1	HEX	03	CRBDFS	Define server request
Comment				
Values for Enhanced Connectivity Facility reason code - CRBCRSNC field				
End of Comment				
2	DECIMAL	0	CRBREASC	Complete
2	DECIMAL	1	CRBREASF	Service request failed
Comment				
Values for Enhanced Connectivity Facility response code - CRBCRSPC field. These values are set based on the type of service request initiated. Below the values are shown for each type of service request -				
Enhanced Connectivity Facility response code values for a DEFINE SERVER service request:				
End of Comment				
2	DECIMAL	0	CRBDFSN	Normal completion
2	DECIMAL	48	CRBDFSDS	Duplicate server name found
2	DECIMAL	52	CRBDFSCF	Enhanced
Comment				
Connectivity facility failed				
End of Comment				

Len	Type	Value	Name	Description
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Enhanced Connectivity Facility response code values for a REQUEST SERVER service request:

Len	Type	Value	Name	Description
End of Comment				
2	DECIMAL	0	CRBRQSN	Normal completion
2	DECIMAL	30	CRBRQSNF	The server was not found
2	DECIMAL	31	CRBRQSNNA	The server was not available
2	DECIMAL	32	CRBRQSPL	Reply parameter length is invalid
2	DECIMAL	33	CRBRQSDL	Reply data length is invalid
2	DECIMAL	35	CRBRQSSF	Server failed
2	DECIMAL	36	CRBRQSCF	Enhanced

Connectivity facility failed

Len	Type	Value	Name	Description
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Enhanced Connectivity Facility Router Return Codes:

Len	Type	Value	Name	Description
End of Comment				
4	DECIMAL	0	CRBRS	Successful routing the service request
4	DECIMAL	4	CRBRNS	Not successful routing the service request
4	DECIMAL	8	CRBRICD	Request is invalid. Data in CPRB is not valid.
4	DECIMAL	12	CRBRICIA	Request is invalid. 24-bit addresses to CPRB or within CPRB determined to be invalid.
4	DECIMAL	16	CRBRICBA	Request is invalid. Addresses to CPRB or within CPRB are invalid and caused an Abend

CHSDCPRB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CHSDCPRB	0		CRBRSV10	54	
CRBCPRB	4		CRBRSV11	58	
CRBCRSNC	C		CRBRSV12	5C	
CRBCRSPC	E		CRBRSV13	60	
CRBCRTNC	C		CRBRSV14	68	
CRBFID	1A		CRBRSV2	1C	
CRBFMOV	2	80	CRBRSV3	1C	
CRBFNOR	2	04	CRBRSV4	1E	
CRBFNWT	2	08	CRBRSV5	20	
CRBFREM	2	10	CRBRSV6	24	
CRBFRSP	2	01	CRBRSV7	48	
CRBFSUB	2	02	CRBRSV8	4C	
CRBF1	0		CRBRSV9	50	
CRBF2	1		CRBSNAME	10	
CRBF3	2		CRBSRTNC	8	
CRBF4	3				
CRBRPDAT	34				
CRBRPDLN	30				
CRBRPPLN	40				
CRBRPPRM	44				
CRBRQDAT	2C				
CRBRQDLN	28				
CRBRQPLN	38				
CRBRQPRM	3C				
CRBRSV1	18				

CONTAB Information

CONTAB Heading Information

Common Name: TSO/E Internal Control Table for SUBMIT Command
Macro ID: IKJEFFCT
DSECT Name: CONTAB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: SUBMIT TABLE
 Offset: 0
 Length: 12
Storage Attributes: Subpool: 0
 Key: 1
Size: 108 bytes
Created by: IKJEFF04
Pointed to by: Register 1 gives location of pointer to CONTAB
 (in most SUBMIT modules)
Serialization: None
Function: Contains data and pointers that do not change during the main flow of the SUBMIT command logic. Items in CONTAB are pointers to current statement, INTRDR close routine, HISTORY table, number of data sets submitted, current and next jobname, current and next jobname, MSGTABLE, user id, CPPL, installation exit word and address, DD chain list, communication ECB, save area, and INTRDR data set VSAM ACB and RPL control blocks. CONTAB also has the SUBMIT command name as entered by the user.

CONTAB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	108	CONTAB	*** SUBMIT CONTROL TABLE ***
0	(0)	CHARACTER	12	CONTABID	TABLE ID = 'SUBMIT TABLE'
12	(C)	ADDRESS	4	CTDCBPT	POINTER TO DCB FOR CURRENT INPUT DATA SET
16	(10)	ADDRESS	4	STMTPT	PTR TO CURRENT JCL STATEMENT
20	(14)	ADDRESS	4	CLOSERPT	PTR TO IKJEFF15 ROUTINE Y02064
24	(18)	ADDRESS	4	HISTPT	PTR TO HISTORY TABLE(IKJEFFHT)
28	(1C)	ADDRESS	4	CTNDSNPT	POINTER TO 2-BYTE NUMBER OF DATA SETS SUBMITTED Y02993
32	(20)	ADDRESS	4	JOBNAMPT	PTR TO JOB NAMES (16 BYTES)
36	(24)	ADDRESS	4	MSGLISPT	PTR TO MSGTABLE PARM LIST (IKJEFFMT)
40	(28)	ADDRESS	4	PPLPTR	PTR TO PARSE'S PARMLIST
44	(2C)	ADDRESS	4	TMCTPT	PTR TO TMCT (TMP'S CPPL C.B.)
48	(30)	ADDRESS	4	EXWORD	WORD FOR EXIT'S USE
52	(34)	ADDRESS	4	EXITAD	ADDRESS OF INSTALLATION EXIT (IKJEFF10)
56	(38)	ADDRESS	4	DDPTR	POINTER TO DD CHAIN LIST FOR SUBMITTED DATA SETS
60	(3C)	ADDRESS	4	COMECBPT	POINTER TO COMMUNICATION ECB
64	(40)	ADDRESS	4	INITSAVE	POINTER TO IKJEFF04 SAVE AREA (FOR USE IN DUMP READING)
68	(44)	ADDRESS	4	CTRPLPT	ADDRESS OF INTRDR'S RPL C.B. (USED BY IKJEFF15, 05) Y02064
72	(48)	ADDRESS	4	CTACBPT	ADDRESS OF INTRDR'S ACB C.B. (USED BY IKJEFF15, 20) Y02064
76	(4C)	CHARACTER	8	CTCMDNM	SUBMIT COMMAND NAME, AS ENTERED BY USER Y02993

CONTAB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	CHARACTER	8	CTIDINFO	TSO USERID FIELDS
84	(54)	UNSIGNED	1	CTIDLN	LENGTH OF TSO USERID Y02993
85	(55)	CHARACTER	7	CTUSERID	USER'S TSO USERID
92	(5C)	ADDRESS	4	*	***RESERVED***
96	(60)	ADDRESS	4	CTDFPTR	PTR TO DFPARMS FOR DAIRFAIL (IKJEFF18)
100	(64)	ADDRESS	4	CTGFPTR	PTR TO GFPARMS FOR GNRLFAIL (IKJEFF19)
104	(68)	ADDRESS	4	*	***RESERVED***

CONTAB Cross Reference

Name	Hex Offset	Hex Value
CLOSERPT	14	
COMECBPT	3C	
CONTAB	0	
CONTABID	0	
CTACBPT	48	
CTCMDNM	4C	
CTDCBPT	C	
CTDFPTR	60	
CTGFPTR	64	
CTIDINFO	54	
CTIDLN	54	
CTNDSNPT	1C	
CTRPLPT	44	
CTUSERID	55	
DDPTR	38	
EXITAD	34	
EXWORD	30	
HISTPT	18	
INITSAVE	40	
JOBNAMPT	20	
MSGLISPT	24	
PPLPTR	28	
STMTPT	10	
TMCTPT	2C	

CPPL Information

CPPL Programming Interface information

Programming Interface information

CPPL

End of Programming Interface information

CPPL Heading Information • CPPL Map

CPPL Heading Information

Common Name: TSO/E Command Processor Parameter List
Macro ID: IKJCPPL
DSECT Name: CPPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
Key: 8
Size: 16 bytes
Created by: IKJEFT01
Pointed to by: Register 1 on entry to command processor
Serialization: None
Function: Parameter list passed to the command processor, containing pointers to the UPT, PSCB, ECB, and the command buffer.

CPPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CPPL	
0	(0)	ADDRESS	4	CPPLCBUF	PTR TO COMMAND BUFFER
4	(4)	ADDRESS	4	CPPLUPT	PTR TO UPT
8	(8)	ADDRESS	4	CPPLPSCB	PTR TO PSCB
12	(C)	ADDRESS	4	CPPLECT	PTR TO ECT

CSOA Information

CSOA Programming Interface information

Programming Interface information

CSOA

End of Programming Interface information

CSOA Heading Information • CSOA Cross Reference

CSOA Heading Information

Common Name: TSO/E Command Scan Output Area
Macro ID: IKJCSOA
DSECT Name: CSOA
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: NONE
Storage Attributes: Subpool: 1
 Key: 8
Size: 8 bytes
Created by: Caller of Command Scan Service Routine
Pointed to by: CSPLOA field of the CSPL data area
Serialization: None
Function: Command Scan Output Area mapping macro. Flags are set by Command Scan to describe the result of the Scan.

CSOA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CSOA	
0	(0)	ADDRESS	4	CSOACNM	PTR TO COMMAND NAME-IF 0 INVALID CMD NAME
4	(4)	SIGNED	2	CSOALNM	LENGTH OF CMD NAME
6	(6)	BITSTRING	1	CSOAF LG	FLAGS
		1... ..		CSOAVWP	"X'80" VALID WITH PARAMETERS
		.1.. ..		CSOAVNP	"X'40" VALID NO PARAMS
		..1. ..		CSO AQM	"X'20" QUESTION MARK
		...1 ..		CSO ANOC	"X'10" NO COMMAND
		.... 1..		CSO ABAD	"X'08" BAD CMD NAME
		.... .1..		CSO AEXEC	"X'04" IMPLICIT EXEC COMMAND NAME Y30PQJN
7	(7)	CHARACTER	1		RESERVED

CSOA Cross Reference

Name	Hex Offset	Hex Value
CSOA	0	
CSOABAD	6	8
CSOACNM	0	
CSO AEXEC	6	4
CSO AFLG	6	
CSO ALNM	4	
CSO ANOC	6	10
CSO AQM	6	20
CSO AVNP	6	40
CSO AVWP	6	80

CSPL Information

CSPL Programming Interface information

Programming Interface information

CSPL

End of Programming Interface information

CSPL Heading Information • CSPL Map

CSPL Heading Information

Common Name: TSO/E Command Scan Parameter List
Macro ID: IKJCSPL
DSECT Name: CSPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
Key: 1 or 8
Size: 24 bytes
Created by: Caller of Command Scan Service Routine
Pointed to by: CSPLPTR - Register 1
Serialization: None
Function: Command Scan Parameter List mapping macro.

CSPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	CSPL	
0	(0)	ADDRESS	4	CSPLUPT	PTR TO UPT
4	(4)	ADDRESS	4	CSPECT	PTR TO ECT
8	(8)	ADDRESS	4	CSPLECB	PTR TO CP'S ECB
12	(C)	ADDRESS	4	CSPLFLG	PTR TO FLAG WORD WHICH IS OBTAINED & FREED BY CALLER. BIT 0 SET TO 0= SYNTAX CHECKING OF COMMAND NAME.
16	(10)	ADDRESS	4	CSPLOA	PTR TO OUTPUT AREA (CSOA DSECT)
20	(14)	ADDRESS	4	CSPLCBUF	PTR TO COMMAND BUFFER

DFPARMS Information

DFPARMS Programming Interface information

Programming Interface information

DFPARMS

End of Programming Interface information

DFPARMS Heading Information • DFPARMS Map

DFPARMS Heading Information

Common Name: TSO/E Parameter List to IKJEFF18 (DAIRFAIL)
Macro ID: IKJEFFDF
DSECT Name: DFPARMS, DFID, DFBUFS
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
 Key: 1 or 8
Size: DFPARMS - 24 bytes
 DFID - 2 bytes
 DFBUF - 511 bytes
Created by: Caller of IKJEFF18
Pointed to by: Register 1
Serialization: None
Function: This parameter list is the interface to IKJEFF18 from a caller with an error return code from SVC 99 (dynamic allocation) or DAIR. IKJEFF18 will issue an error message to the TSO/E terminal or as a write to programmer and/or return the message in the caller's buffers.

DFPARMS Map

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	24	DFPARMS	PARAMETER LIST TO IKJEFF18
0	(0)	ADDRESS	4	DFS99RBP	ADDRESS OF THE FAILING SVC 99 REQUEST BLOCK FOR SVC 99 ERRORS
0	(0)	ADDRESS	4	DFDAPLP	ADDRESS OF THE FAILING DAIR PARAMETER LIST FOR DAIR ERRORS
4	(4)	ADDRESS	4	DFRCP	ADDRESS OF A FOUR BYTE STORAGE AREA CONTAINING THE SVC 99 OR THE DAIR REGISTER 15 RETURN CODE
8	(8)	ADDRESS	4	DFJEFF02	ADDRESS OF A FOUR BYTE STORAGE AREA WHICH CONTAINS EITHER THE ENTRY POINT ADDRESS OF IKJEFF02 (MESSAGE WRITER FOR IKJEFF18) OR ZEROES IF ENTRY ADDRESS UNKNOWN
12	(C)	ADDRESS	4	DFIDP	ADDR OF DFID FIELD
16	(10)	ADDRESS	4	DFCPPLP	ADDRESS OF THE CPPL - THIS IS NEEDED ONLY WHEN IKJEFF18 IS CALLED WITH AN SVC 99 ERROR
20	(14)	ADDRESS	4	DFBUFP	ADDRESS OF DFBUFS FIELD IF DFBUFSW OR DFBUFS2 ON

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	2	DFID	CALLER IDENTIFIER
0	(0)	BITSTRING	1	*	FLAG AREA
		1...		DFWTP	ON IF THE CALLER WANTS A WRITE TO PROGRAMMER INSTEAD OF A DEFAULT PUTLINE
		.1..		DFBUFSW	ON IF THE CALLER WANTS MESSAGE TEXT RETURNED IN BUFFERS INSTEAD OF A DEFAULT PUTLINE
		..1.		DFBUFS2	ON IF WANT DFBUFSW FUNCTION PLUS PUTLINE (OR WTP)
		...1 1111		*	RESERVED - MUST BE ZERO
1	(1)	UNSIGNED	1	IDNUM	CALLER IDENTIFIER NUMBER (VALUES DESCRIBED BELOW)
1	(1)	UNSIGNED	1	DFIDNUM	ALTERNATE NAME FOR IDNUM

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	511	DFBUFS	(NEED NOT INITIALIZE)	
0	(0)	CHARACTER	255	DFBUF1	FIRST EXTRACT BUFFER	
0	(0)	SIGNED	2	DFBUFL1	LENGTH OF AREA USED IN DFBUF1 (INCLUDES DFBUFL1 AND DFBUFO1 LENGTHS)	
2	(2)	SIGNED	2	DFBUFO1	OFFSET IS ZERO ON RETURN	
4	(4)	CHARACTER	251	DFBUFT1	TEXT OF FIRST LEVEL MESSAGE	
255	(FF)	CHARACTER	1	*	ALIGNMENT FACTOR	
256	(100)	CHARACTER	255	DFBUF2	SECOND EXTRACT BUFFER	
256	(100)	SIGNED	2	DFBUFL2	LENGTH (INCLUDES LLOO FIELDS)	
258	(102)	SIGNED	2	DFBUFO2	OFFSET	
260	(104)	CHARACTER	251	DFBUFT2	TEXT OF SECOND LEVEL MESSAGE	

DFPARMS Constants

Len	Type	Value	Name	Description
Comment				
POSSIBLE VALUES FOR IDNUM				
End of Comment				
1	DECIMAL	50	DFSVC99	GENERAL CALLER WITH AN SVC 99 ERROR
1	DECIMAL	51	DFFREE	FREE COMMAND WITH AN SVC 99 ERROR
1	DECIMAL	1	DFDAIR	GENERAL CALLER WITH A DAIR ERROR

DFPARMS Cross Reference

Name	Hex Offset	Hex Value
DFBUFL1	0	
DFBUFL2	100	
DFBUFO1	2	
DFBUFO2	102	
DFBUFP	14	
DFBUFS	0	
DFBUFSW	0	40
DFBUFS2	0	20
DFBUFT1	4	
DFBUFT2	104	
DFBUF1	0	
DFBUF2	100	
DFCPPLP	10	
DFDAPLP	0	
DFID	0	
DFIDNUM	1	
DFIDP	C	
DFJEFF02	8	
DFPARMS	0	
DFRCP	4	
DFS99RBP	0	
DFWTP	0	80
IDNUM	1	

ECT Information

ECT Programming Interface information

Programming Interface information

ECT

End of Programming Interface information

ECT Heading Information • ECT Map

ECT Heading Information

Common Name: TSO/E Environment Control Table
Macro ID: IKJECT
DSECT Name: ECT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1 or 78
 Key: 8
 Residency: Below 16M
Size: 56 bytes
Created by: IKJEFT01
Pointed to by: CPPLECT field of the CPPL
 TPLECT field of the TPL
 LWAPECT field of the LWA
Serialization: Responsibility of the caller
Function: This table provides the communication medium for the TMP, command processors and service routines. It contains the current command/subcommand name, return code, pointers to work areas and message chain, and processing control flags. The Environment Control Table (ECT) is built by the TMP and stored in a non-shared subpool. Its fields can be modified by a CP or service routine. The TMP that created the ECT must free it. For more information, see STACK macro, ENVIRON=CREATE operand.

ECT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	ECT	
0	(0)	BITSTRING	1	ECTRCDF	HIGH ORDER BIT INDICATES CP ABENDED
1	(1)	CHARACTER	3	ECTRTCD	RETURN CODE FROM LAST CP (ABEND CODE IF ECTRCDF IS SET)
4	(4)	ADDRESS	4	ECTIOWA	ADDR OF I/O SERVICE ROUTINES WORK AREA
8	(8)	BITSTRING	1	ECTMSGF	HIGH ORDER BIT SET MEANS DELETE SECOND LEVEL MESSAGE
9	(9)	ADDRESS	3	ECTSMSG	ADDR OF SECOND LEVEL MSG CHAIN
12	(C)	CHARACTER	8	ECTPCMD	PRIMARY COMMAND NAME
20	(14)	CHARACTER	8	ECTSCMD	SUBCOMMAND NAME
28	(1C)	BITSTRING	1	ECTSWS	1 BYTE OF SWITCHES
		1...		ECTNOPD	"X'80" 0 BIT ON= NO OPERANDS EXIST IN CMD BUFFER
		.1..		ECTCAFAT	"X'40" IKJCAF HAS BEEN ENTERED
		..1.		ECTATRM	"X'20" CP TERMINATED BY TMP DETACH W/ STAE
		...1		ECTLOGF	"X'10" LOGON/OFF REQUESTED TMP TO LOGOFF USER
		.... 1..		ECTNMAL	"X'08" NO USER MSGS TO RECVD AT LOGON
		.... .1..		ECTNNOT	"X'04" NO BRDCST NOTICES TO BE RECVD AT LOGON
		.... ..1.		ECTBKGRD	"X'02" BACKGROUND MODE
		.... ...1		ECTATTN	"X'01" ATTENTION MODE FOR CLIST Z30NQKM
29	(1D)	ADDRESS	3	ECTDDNUM	COUNTER FOR GENERATING TEMP DDNAMES
32	(20)	ADDRESS	4	ECTUSER	WORD RESERVED FOR INSTALLATION USE
36	(24)	ADDRESS	4	ECTBKPB	ADDR OF BACKGROUND PARAMETER BLOCK
40	(28)	BITSTRING	1	ECTSWS2	EXTENDED FLAG FIELD
		1...		ECTDEFCS	"X'80" DEFAULT DELETE CHARACTERS USED
		.1..		ECTTABND	"X'40" TEST SUBTASK ABENDED
		..1.		ECTPARSE	"X'20" PARSE ?HELP ALLOWED
		...1		ECTPOSIT	"X'10" ECTHELP=POSITIONAL NUMBER

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		ECTKEYWD	"X'08" ECTHELP=PCE ADDRESS OR 0
		.... .1..		ECTNOQPR	"X'04" ? PROMPT HELP IS DISABLED
Comment					
EQU X'02' RESERVED					
End of Comment					
41	(29)	.... ...1 BITSTRING	1	ECTNOPUT ECTSWS22	"X'01" TO PREVENT THE PUTLINE EXTENDED FLAG FIELD
		1... ECTMSGOR			"X'80" MESSAGE OVERRIDE
		.1.. ECTRXEOF			"X'40" END OF FILE FOR SYSTSIN BY REXX
		..1. ECTNPTSO			"X'20" USED TO INDICATE TO TSOEXEC TO INVOKE TSF WITH THE NON-PARALLEL TMP PROCESSING OPTION.
42	(2A)	...1 CHARACTER	2	ECTTSTAT	"X'10" TEST IS IN ATTENTION PROCESSING RESERVED
44	(2C)	ADDRESS	4	ECTHELP	POSITIONALS: POSITIONAL # IN EBCDIC KEYWORDS: CONTAINS ADDRESS OF PCE FOR KEYWORD OR 0 IF INVALID KEYWORD ENTERED SAME AS ECTHELP
44	(2C)	CHARACTER	4	ECTNUM	
48	(30)	ADDRESS	4	ECTENVBK	ADDRESS OF THE REXX ENVIRONMENT BLOCK
52	(34)	ADDRESS	4	ECTEXTPR	ADDRESS OF THE ECT EXTENSION BLOCK

ECT Cross Reference

Name	Hex Offset	Hex Value
ECT	0	
ECTATRM	1C	20
ECTATTN	1C	1
ECTBKGRD	1C	2
ECTBKPB	24	
ECTCAFAT	1C	40
ECTDDNUM	1D	
ECTDEFCS	28	80
ECTENVBK	30	
ECTEXTPR	34	
ECTHELP	2C	
ECTIOWA	4	
ECTKEYWD	28	8
ECTLOGF	1C	10
ECTMSGF	8	
ECTMSGOR	29	80
ECTNMAL	1C	8
ECTNNOT	1C	4
ECTNOPD	1C	80
ECTNOPUT	28	1
ECTNOQPR	28	4
ECTNPTSO	29	20
ECTNUM	2C	
ECTPARSE	28	20
ECTPCMD	C	
ECTPOSIT	28	10
ECTRCDF	0	
ECTRTCD	1	
ECTRXEOF	29	40
ECTSCMD	14	
ECTSMG	9	
ECTSWS	1C	
ECTSWS2	28	
ECTSWS22	29	
ECTTABND	28	40
ECTTSTAT	29	10
ECTUSER	20	

EXITLIST Information

EXITLIST Programming Interface information

Programming Interface information

EXITLIST

End of Programming Interface information

EXITLIST Heading Information • EXITLIST Map

EXITLIST Heading Information

Common Name: FIB Installation Exit Parameter List
Macro ID: IKJEFFIE
DSECT Name: EXITLIST, IEMSGBUF, IEREPLY, IESUBCTL, PARMLIST, MESSAGE, IEOUPT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
 Key: 8
Size: EXITLIST - 32 bytes
 IEMSGBUF - 248 bytes
 IEREPLY - variable
 IESUBCTL - 4 bytes
Created by: IKJCR469, IKJEFF09, IKJEFF51
Pointed to by: Register 1 for CANCEL/OUTPUT/STATUS. Register 1 has pointer to the pointer to the parameter list for SUBMIT.
Serialization: None
Function: Contains the parameter lists to/from the installation exits for the foreground-initiated background (FIB) commands.

EXITLIST Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	32	EXITLIST	PARAMETER LIST TO SUBMIT EXIT	
0	(0)	ADDRESS	4	CARDPTR	POINTER TO CURRENT JCL STATEMENT - EXIT MAY ZERO THIS FIELD TO DELETE THE STATEMENT OR IT MAY CHANGE THIS STATEMENT. IF ZERO ON ENTRY, EXIT HAS BEEN ENTERED TO GET A NEW STATEMENT	
4	(4)	ADDRESS	4	EXMSGPTR	EXIT MUST PUT POINTER TO MESSAGE HERE WHEN USING RETURN CODE 8 OR 12	
8	(8)	ADDRESS	4	RESPTR	POINTER TO REPLY OBTAINED BY SUBMIT AFTER EXIT R.C. 12. SUBMIT WILL FREE THE REPLY BUFFER.	
12	(C)	ADDRESS	4	USERIDPT	POINTER TO USERID	
16	(10)	ADDRESS	4	SWITSPT	POINTER TO SWITCH FIELD	
20	(14)	SIGNED	4	EXITWORK	WORD FOR EXIT'S USE. IT IS INITIALIZED TO ZEROES AND RETAINS WHATEVER VALUE THE EXIT GIVES IT THRU THE DURATION OF THE SUBMIT COMMAND.	
24	(18)	ADDRESS	4	ACCTIPT	POINTER TO USER'S ACCOUNTING INFORMATION (FROM LOGON)	
28	(1C)	ADDRESS	4	ACCTLPT	POINTER TO LENGTH OF THE USER'S ACCOUNTING INFORMATION	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	248	IEMSGBUF		
0	(0)	SIGNED	2	IEMSGLN	LENGTH OF MESSAGE, INCLUDING LENGTH OF THIS FIELD	
2	(2)	CHARACTER	246	IEMSGTXT	MESSAGE TEXT THAT THE EXIT WANTS ISSUED TO THE USER	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	*	IEREPLY		
0	(0)	SIGNED	2	IEREPLYL	LENGTH OF REPLY, INCLUDING LENGTH OF THIS FIELD	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
2	(2)	CHARACTER	*	IERTEXT	TEXT OF REPLY FROM USER
Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	IESUBCTL	
0	(0)	BITSTRING	1	IETAKEEX	SWITCHES WHICH CONTROL WHEN EXIT IS ENTERED (INITIALIZED TO ONLY ENTER FOR JOBS - MAY BE TURNED ON OR OFF BY EXIT) ON IF TAKE EXIT FOR EACH JOB CARD SUBMITTED
		1...		IETJOB	TAKE EXIT FOR EACH EXEC CARD (EXEC PROC OR EXEC P PROGRAM)
		.1..		IETEXEC	TAKE EXIT FOR EACH DD CARD
		..1.		IETDD	TAKE EXIT FOR EACH COMMAND CARD (//NAME OPERATION)
		...1		IETCMD	TAKE EXIT FOR EACH NULL CARD (//ALL BLANK)
		.... 1..		IETNULL	TAKE EXIT FOR JOB ENTRY SUBSYSTEM CONTROL CARDS (SLASH-ASTERISK-NONBLANK)
		.... .1..		IETJES	TAKE EXIT FOR COMMENT CARDS (OR MAY BE JES3 CONTROL CARDS)
		.... ..1.		IETCOMNT	TAKE EXIT FOR JES3 CTL CARDS
		.... ...1		IETJES3	ZERO OR OPERAND COLUMN ON THE JCL STATEMENT (ONE-ORIGINATED)
1	(1)	ADDRESS	1	IEOPRAND	INFORMATION FOR CURRENT JCL STATEMENT. NOTE THAT JCL STATEMENTS IN DATA STREAM FOLLOWING A DD DATA STATEMENT (OR SLASH-ASTERISK-NONBLANK STATEMENTS FOLLOWING A DD *) ARE NOT PASSED TO THE EXIT.
2	(2)	BITSTRING	1	IESTMTYP	CURRENT STATEMENT IS JOB
		1...		IESJOB	CURRENT STATEMENT IS EXEC
		.1..		IESEXC	CURRENT STATEMENT IS DD
		..1.		IESDD	CURRENT STATEMENT IS CMD
		...1		IESCMD	CURRENT STATEMENT IS NULL
		.... 1..		IESNULL	OPERAND TO BE CONTINUED
		.... .1..		IESOPCON	STATEMENT TO BE CONTINUED
		.... ..1.		IESCON	CURRENT STATEMENT IS A CONTINUATION
		.... ...1		IESCONTN	INFORMATION FOR CURRENT JCL STATEMENT, CONTINUED
3	(3)	BITSTRING	1	IESTMTP2	CURRENT STATEMENT IS JOB ENTRY SUBSYSTEM CONTROL CARD, SLASH-ASTERISK-NONBLANK
		1...		IESJES	CURRENT STATEMENT IS COMMENT CARD, (MAY BE JES3 STMT)
		.1..		IESCOMNT	CURRENT STATEMENT IS JES3 CONTROL CARD, -NONBLANK
		..1.		IESJES3	THIS JOB STATEMENT WAS GENERATED BY IKJEFF08
		...1		IESGENJC	RESERVED
		.... 1111		*	

EXITLIST Constants • EXITLIST Cross Reference

EXITLIST Constants

Len	Type	Value	Name	Description
Comment				
IKJEFFIE - RETURN CODES FROM IKJEFF10 TO SUBMIT COMMAND				
End of Comment				
4	DECIMAL	0	IECONTIN	COMPLETE PROCESSING CURRENT STATEMENT AND READ THE NEXT
4	DECIMAL	4	IERETURN	PROCESS CURRENT STATEMENT AND RETURN TO EXIT FOR ANOTHER STATEMENT
4	DECIMAL	8	IEMSG	ISSUE MESSAGE IKJ56283I FOR EXIT, THEN REENTER EXIT. EXIT MUST OBTAIN MSG TEXT AREA AND MAY FREE IT WHEN REENTERED.
4	DECIMAL	12	IEPROMPT	ISSUE PROMPT MESSAGE IKJ56280A FOR EXIT AND RETURN THE REPLY TO EXIT. IKJEFF02 MESSAGE ISSUER ROUTINE OBTAINS THE REPLY AREA AND IKJEFF09 WILL FREE IT. IF USER IN NOPROMPT MODE, SUBMIT ISSUES ERROR MESSAGE IKJ56282I AND ABORTS.
4	DECIMAL	16	IEABORT	TERMINATE THE SUBMIT COMMAND. RETURN CODE 8 SHOULD BE USED FIRST TO ISSUE AN ERROR MESSAGE TO THE TSO USER.

EXITLIST Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ACCTIPT	18		IETEXEC	0	40
ACCTLPT	1C		IETJES	0	04
CARDPTR	0		IETJES3	0	01
EXITLIST	0		IETJOB	0	80
EXITWORK	14		IETNULL	0	08
EXMSGPTR	4		RESPTR	8	
IEMSGBUF	0		SWITSPT	10	
IEMSGLN	0		USERIDPT	C	
IEMSGTXT	2				
IOPRAND	1				
IEREPLY	0				
IEREPLYL	0				
IERTEXT	2				
IESCMD	2	10			
IESCOMNT	3	40			
IESCONTN	2	01			
IESDD	2	20			
IESEXEC	2	40			
IESGENJC	3	10			
IESJES	3	80			
IESJES3	3	20			
IESJOB	2	80			
IESNULL	2	08			
IESOPCON	2	04			
IESSCON	2	02			
IESTMTP2	3				
IESTMTP	2				
IESUBCTL	0				
IETAKEEX	0				
IETCMD	0	10			
IETCOMNT	0	02			
IETDD	0	20			

FFIB Information

FFIB Heading Information

Common Name: TSO/E Mapping Macro of SVC 100 Interface
Macro ID: IKJEFFIB
DSECT Name: FIBMAINT, FIBPARMS, CALLPARM, FIBPRFIL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
 Key: 8
Size: Variable
Created by: SVC 100 calling routine
Pointed to by: FIBMAIN
Serialization: SALLOC lock
Function: Maps the interface to SVC 100.

FFIB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	4	FIBMAINP		
		1...		FIBHIGH		* INDICATES END OF PARAM LIST
Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	32	FIBPARMS		MAIN SVC 100 PARM LIST ***** MAIN PARM LIST *****
0	(0)	ADDRESS	4	FIBCPPL		CPPL ADDRESS (TMP PARM LIST)
4	(4)	ADDRESS	4	FIBUSER		USER-DEFINED ADDRESS (PTR TO FIBPARMS EXTN FOR OPERATOR CP OR PROFILE CP)
8	(8)	ADDRESS	4	FIBCODE		ERROR RETURN CODE (FOR MACRO)
12	(C)	CHARACTER	8	FIBMACRO		FAILING MACRO NAME
20	(14)	SIGNED	2	FIBID		SVC 100 CALLERS ID NUMBER
22	(16)	SIGNED	2	FIBLEN		LENGTH OF FIBUSER EXTENSION
24	(18)	ADDRESS	4	*		RESERVED
28	(1C)	ADDRESS	4	*		RESERVED
Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	24	CALLPARM		OPER EXTENSION PARM LIST *** CALLPARMS ***
0	(0)	ADDRESS	4	AOPRND		POINTER TO OPERAND FIELD IN COMMAND BUFFER
4	(4)	SIGNED	4	LNGOPRND		LENGTH OF OPERAND
8	(8)	ADDRESS	4	ACMDNAME		POINTER TO COMMMAND NAME
12	(C)	ADDRESS	4	ABUFFER		POINTER TO CMD BUFFER
16	(10)	SIGNED	2	CNTRLFLG		CONTROL FLAGS
		1...		AUTHCHK		CHECK AUTHORIZATION ONLY
		.1..		CMDCHK		VALIDITY CHECK COMMANDS
		..1.		*		RESERVED
		...1		OFFGETBF		TURN OFF EXTRA BUFFERS INDICATOR
		.... 1...		FSTFLG		FLAG INDICATING FIRST CALL WITH A VALID SUBCOMMAND
18	(12)	SIGNED	2	TERMID		SVC SAVE AREA FOR ASID
20	(14)	ADDRESS	4	*		RESERVED
Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	4	FIBPRFIL		PROFILE EXTEN PARM LIST *** PROFILE EXTENSION **

FFIB Constants • FFIB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	CHARACTER	1	FIBCHAR	CHARACTER DELETE CHAR
1	(1)	CHARACTER	1	FIBLINE	LINE DELETE CHARACTER
2	(2)	CHARACTER	1	FIBPFLAG	FLAGS AS INDICATED
		1...		FIBPATTN	INDICATES ATTN AS LINE DELETE CHARACTER
		.1..		FIBPLINE	INDICATES NEW LINE DELETE CHARACTER
		..1.		FIBPCHAR	INDICATES NEW CHAR DELETE CHARACTER
3	(3)	CHARACTER	1	*	RESERVED

FFIB Constants

Len	Type	Value	Name	Description
Comment				
POSSIBLE VALUES OF FIBID FIELD TO SVC 100				
End of Comment				
2	HEX	0001	FIBSUBMT	INDICATES SUBMIT CMD
2	HEX	0002	FIBCANCL	= CANCEL
2	HEX	0003	FIBOUTPT	= OUTPUT
2	HEX	0004	FIBOPER	= OPERATOR
2	HEX	0005	FIBST	= STATUS
2	HEX	0007	FIBPROFL	= PROFILE
2	HEX	0008	FIBALLOC	= ALLOCATE

Comment				
POSSIBLE VALUES OF REGISTER 15 FROM SVC 100				
End of Comment				
4	DECIMAL	0	FIBOKRC	SUCCESSFUL EXECUTION
4	DECIMAL	80	FIBNOFIB	USER HAS NO FIB ABILITY
4	DECIMAL	84	FIBBADMC	BAD MACRO R.C. IN SVC 100
4	DECIMAL	88	FIBINVCP	BAD INPUT TO SVC 100--BAD INPUT CODE OR PSCB PTR
4	DECIMAL	12	FIBUNSUC	COMMAND IS UNSUCCESSFUL. SVC 100 ISSUED AN ERROR MESSAGE

Comment				
POSSIBLE VALUES OF REG 15 FROM SVC 100 FOR OPERATOR				
End of Comment				
4	DECIMAL	4	FIBOPCMD	INVALID COMMAND FOR OPER
4	DECIMAL	8	FIBOPOPD	INVALID OPERAND FOR OPER

FFIB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ABUFFER	C		FIBMAINP	0	
ACMDNAME	8		FIBPARMS	0	
AOPRND	0		FIBPATTN	2	80
AUTHCHK	10	80	FIBPCHAR	2	20
CALLPARM	0		FIBPFLAG	2	
CMDCHK	10	40	FIBPLINE	2	40
CNTRLFLG	10		FIBPRFIL	0	
FIBCHAR	0		FIBUSER	4	
FIBCODE	8		FSTFLG	10	08
FIBCPPL	0		LNGOPRND	4	
FIBHIGH	0	80	OFFGETBF	10	10
FIBID	14		TERMID	12	
FIBLEN	16				
FIBLINE	1				
FIBMACRO	C				

FIBCPARM Information

FIBCPARM Heading Information

Common Name: FIB Modules Parameter List
Macro ID: IKJEFFB2
DSECT Name: FIBCPARM
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 52 bytes
Created by: IKJEFF76
Pointed to by: Register 1 points to a pointer to the parameter list
Serialization: None
Function: This is a common parameter list which is passed from the foreground-initiated background SVC to FIB modules.

FIBCPARM Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	FIBCPARM	COMMON PARAMETER LIST FROM THE SVC
0	(0)	CHARACTER	52	FIBHEADR	FIB HEADER SECTION
0	(0)	SIGNED	2	FIBCLen	LENGTH OF THIS PARAMETER LIST
2	(2)	SIGNED	2	FIBCID	SVC 100'S CALLER'S ID
4	(4)	CHARACTER	7	FIBPSCBU	USERID FROM PSCB
11	(B)	ADDRESS	1	FIBPSCBL	USERID LENGTH FROM PSCB
12	(C)	ADDRESS	4	FIBCPPLC	POINTER TO THE CMD BUFFER
16	(10)	ADDRESS	4	FIBCPPLU	ADDRESS OF THE UPT
20	(14)	ADDRESS	4	FIBCPPLP	POINTER TO THE PSCB
24	(18)	ADDRESS	4	FIBCPPLE	ADDRESS OF THE ECT
28	(1C)	CHARACTER	8	FIBECTCN	COMMAND NAME FROM THE ECT
36	(24)	SIGNED	2	FIBFLAGS	FLAGS
		1...		FIBECTNO	NO OPERAND FLAG FROM THE ECT
38	(26)	SIGNED	2	*	RESERVED
40	(28)	ADDRESS	4	FIBUSER	POINTER TO USER EXTENSION
44	(2C)	ADDRESS	4	FIBCSAVE	IKJEFF20 WORKAREA
48	(30)	ADDRESS	4	*	RESERVED
52	(34)	CHARACTER	*	FIBCMDBF	COMMAND BUFFER IN KEY 8 CORE

FIBCPARM Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
FIBCID	2		FIBPSCBL	B	
FIBCLen	0		FIBPSCBU	4	
FIBCMDBF	34				
FIBCPARM	0				
FIBCPPLC	C				
FIBCPPLE	18				
FIBCPPLP	14				
FIBCPPLU	10				
FIBCSAVE	2C				
FIBUSER	28				
FIBECTCN	1C				
FIBECTNO	24	80			
FIBFLAGS	24				
FIBHEADR	0				

FREESRCH Information

FREESRCH Heading Information

Common Name: Free Search Record
Macro ID: IKJZT306
DSECT Name: FREESRCH
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 129 bytes
Created by: TSO/E commands accessing the broadcast data set
Pointed to by: N/A
Serialization: None
Function: This record contains the RBA for the SEND command processor to use as a starting address in its search for a free record.

FREESRCH Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	129	FREESRCH	FREE SEARCH RECORD
Comment					
SYS1.BROADCAST DATA SET FREE SEARCH RECORD THIS RECORD CONTAINS THE RBA FOR SEND TO USE AS A STARTING ADDRESS IN ITS SEARCH FOR A FREE RECORD COPYRIGHT = 5685-025 COPYRIGHT IBM CORP 1981, LICENSED MATERIAL - PROGRAM PROPERTY OF IBM REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083 STATUS = JBB1113 TSO/E 05/01/81 A000000-999999					
End of Comment					
0	(0)	CHARACTER	1	*	RESERVED
1	(1)	CHARACTER	3	FSEARCH	ADDRESS TO START FREE
4	(4)	CHARACTER	125	*	RESERVED

GFPARMS Information

GFPARMS Programming Interface information

Programming Interface information

GFPARMS

End of Programming Interface information

GFPARMS Heading Information • GFPARMS Map

GFPARMS Heading Information

Common Name: TSO/E Parameter List to General Failure Service Routine
Macro ID: IKJEFFGF
DSECT Name: GFPARMS
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
 Key: 1 or 8
Size: 44 bytes
Created by: Caller of IKJEFF19 general failure and VSAMFAIL Service Routine
Pointed to by: Register 1 points to pointer to the parmlist
Serialization: None
Function: This control block describes a PARSE, ABEND, or VSAM macro error code to IKJEFF19 general failure and VSAMFAIL service routine. IKJEFF19 will diagnose the error and issue an appropriate error message or return code, using switches and pointers in GFPARMS to control its operation.

GFPARMS Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	44	GFPARMS	<<PARAMETER LIST TO IKJEFF19>>	
0	(0)	ADDRESS	4	GFCBPTR	REQUIRED FOR VSAM ERRORS (POINTER TO ACB IF ID FOR OPEN OR CLOSE, OTHERWISE TO RPL). REQUIRED FOR SSREQ ERROR (PTR TO SSOB). UNUSED FOR OTHER IDS.	
4	(4)	SIGNED	4	GFRCODE	ERROR CODE (FROM REG.15) OR ABEND CODE	
8	(8)	ADDRESS	4	GF02PTR	ADDRESS OF IKJEFF02 MESSAGE ISSUER ROUTINE OR ZERO (IF IKJEFF19 MUST LOAD IKJEFF02)	
12	(C)	SIGNED	2	GFCALLID	ID FOR CALLER'S FAILURE (SEE CONSTANTS FOR POSSIBLE VALUES)	
14	(E)	BITSTRING	1	GFBITS	SWITCHES FOR SPECIAL PROCESSING	
		1...		GFKEYN08	ON IF CALLER NOT IN KEY 0 OR 8 (TELLS IKJEFF19 NEED MODESET BEFORE LOOK AT CPPL OR ISSUE PUTLINE WITH SECOND LEVEL MESSAGE)	
		.1..		GFSUBSYS	ON FOR VSAM IF USED VS2 VSAM/JOB ENTRY SUBSYSTEM INTERFACE (FOR SYSOUT AND SYSIN, NO SYNADAF INFO GIVEN)	
		..1.		GFWTPSW	ON IF ISSUE MESSAGE(S) AS WRITE TO PROGRAMMER, RATHER THAN DEFAULT OF PUTLINE	
		...1 1111		*	***RESERVED*** (MUST ZERO ALL UNUSED FIELDS)	
15	(F)	ADDRESS	1	*	***RESERVED***	
16	(10)	ADDRESS	4	GFCPLP	POINTER TO TMP'S CPPL CONTROL BLOCK IF WILL ISSUE TSO PUTLINE OR INSERT TSO COMMAND/SUBCOMMAND NAME IN THE MESSAGE	
20	(14)	ADDRESS	4	GFECBP	OPTIONAL POINTER TO ECB FOR PUTLINE	
24	(18)	SIGNED	2	GFDSNLEN	LENGTH OF DATA SET NAME - CALLER MAY SUPPLY DSNAME FOR VSAM ID. DEFAULT IS DDNAME INSERT (ACB -> TIOT).	
26	(1A)	SIGNED	2	GFPGMNL	LENGTH OF PROGRAM NAME FOR INSERT INTO FAILURE MESSAGE. REQUIRED IF GFCPLP=0, OTHERWISE OPTIONAL (COMMAND NAME IS THE DEFAULT).	
28	(1C)	ADDRESS	4	GFDSNP	POINTER TO DSNAME (SEE GFDSNLEN)	

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
32	(20)	ADDRESS	4	GFPGMNP	PTR TO PROGRAM NAME (SEE GFPGMNL)
36	(24)	ADDRESS	4	*	***RESERVED***
40	(28)	ADDRESS	4	*	***RESERVED***

GFPARMS Constants

Len	Type	Value	Name	Description
Comment				
POSSIBLE VALUES FOR GFCALLID				
End of Comment				
2	DECIMAL	1	GFCHECK	VSAM CHECK MACRO ERROR
2	DECIMAL	2	GFCLOSE	VSAM CLOSE MACRO ERROR
2	DECIMAL	3	GFENDREQ	VSAM ENDREQ MACRO ERROR
2	DECIMAL	4	GFERASE	VSAM ERASE MACRO ERROR
2	DECIMAL	5	GFGET	VSAM GET MACRO ERROR
2	DECIMAL	6	GFOPEN	VSAM OPEN MACRO ERROR
2	DECIMAL	7	GFPOINT	VSAM POINT MACRO ERROR
2	DECIMAL	8	GFPUT	VSAM PUT MACRO ERROR
2	DECIMAL	21	GFPARSE	TSO PARSE SERVICE ROUTINE ERROR
2	DECIMAL	22	GFPUTL	TSO PUTLINE SERVICE ROUTINE ERROR
2	DECIMAL	31	GFABEND	ISSUE ABEND MESSAGE
2	DECIMAL	32	GFSSREQ	SUBSYSTEM INTERFACE REQUEST ERROR

GFPARMS Cross Reference

Name	Hex Offset	Hex Value
GFBITS	E	
GFCALLID	C	
GFCBPTR	0	
GFCPPLP	10	
GFDSNLEN	18	
GFDSNP	1C	
GFECBP	14	
GFKEYN08	E	80
GFPARMS	0	
GFPGMNL	1A	
GFPGMNP	20	
GFRCODE	4	
GFSUBSYS	E	40
GFWTSPW	E	20
GF02PTR	8	

GTPB Information

GTPB Programming Interface information

Programming Interface information

GTPB

End of Programming Interface information

GTPB Heading Information • GTPB Map

GTPB Heading Information

Common Name: Getline Parameter Block
Macro ID: IKJGTPB
DSECT Name: GTPB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
Key: 8
Size: 8 bytes
Created by: GETLINE list form or caller of GETLINE
Pointed to by: IOPLIOPB field of the IOPL
Serialization: None
Function: Getline uses GTPB for control as well as returning information.

GTPB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	8	GTPB	
Comment					
THE GETLINE PARAMETER BLOCK (GTPB) IS POINTED TO BY THE PARAMETER LIST PASSED FROM THE INVOKER TO GETLINE. GETLINE USES IT FOR CONTROL AS WELL AS RETURNING INFORMATION					
End of Comment					
0	(0)	CHARACTER	4	*	INTERNAL GETLINE USAGE
4	(4)	ADDRESS	4	GTPBIBUF	ADDR OF OBTAINED INPUT LINE

IKJADFMT Information

IKJADFMT Programming Interface information

Programming Interface information

IKJADFMT

End of Programming Interface information

IKJADFMT Heading Information • IKJADFMT Map

IKJADFMT Heading Information

Common Name: Mapping for the IKJADTAB parameter list
Macro ID: IKJADFMT
DSECT Name: IKJADFMT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
Key: 8
Size: Variable
Created by: Caller of IKJADTAB
Pointed to by: Register 1 on entry to IKJADTAB
Serialization: None
Function: IKJADFMT is the mapping macro for the standard parameter list passed to IKJADTAB via Register 1.

IKJADFMT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	36	IKJADFMT	
0	(0)	CHARACTER	8	ADTAB_FUNCTION	Function to be performed: "NEWTABLE" "ENDTABLE" "ADD_LOAD"
8	(8)	ADDRESS	4	ADTAB_LIKE	Anchor or a table to copy when the function is "NEWTABLE"
12	(C)	ADDRESS	4	ADTAB_LOADLIB	DCB address of an alternative load module library when the function is "ADD_LOAD"
16	(10)	UNSIGNED	4	ADTAB_COUNT	Number of tables to be freed when the function is "ENDTABLE"
20	(14)	ADDRESS	4	ADTAB_ARRAY (4294967297:553725952)	Default array size is one Array of tokens, one for each table to be freed
24	(18)	ADDRESS	4	ADTAB_ECTADDR	Address of current ECT.
28	(1C)	BITSTRING	4	ADTAB_ABEND	Internal error abend code returned to caller.
32	(20)	BITSTRING	4	ADTAB_REASON	Internal error abend code returned to caller.

IKJCAFRP Information

IKJCAFRP Heading Information

Common Name: Parameter list for the CLIST Attention Facility Recovery Routine
Macro ID: IKJCAFRP
DSECT Name: CAFRPARM_MAPPING_MACRO
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: CAFRPARM
 Offset: 0
 Length: 8
Storage Attributes: Subpool: Same as dynamic storage of IKJCAF
 Key: Same as dynamic storage of IKJCAF
Size: 80 bytes
Created by: IKJCAF
Pointed to by: PARAM option of the ESTAE macro
Serialization: None
Function: IKJCAFRP maps all the parameters and variables that are used for communications between the CLIST Attention Facility (IKJCAF) and the CLIST Attention Facility Recovery Routine (IKJCAFR).

IKJCAFRP Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	80	CAFRPARM_MAPPING_MACRO		
0	(0)	CHARACTER	8	CAFRPARM_ID	IDENTIFIER 'CAFRPARM' - USE CAFRPARM_CONSTANT WHEN DECLARING THIS VARIABLE	
8	(8)	UNSIGNED	1	CAFRPARM_VERSION_NUMBER	VERSION NUMBER - USE CAFRPARM_VERSION_NUM_CONSTANT WHEN DECLARING THIS VARIABLE	
9	(9)	BITSTRING	3	CAFRPARM_RES01	RESERVED	
12	(C)	CHARACTER	4	CAFRPARM_RES02	RESERVED	

Comment

DECLARATIONS FOR RECOVERY PARAMETERS PASSED FROM IKJCAF

End of Comment

16	(10)	CHARACTER	64	CAFRPARM_PARAM_LIST_FOR_IKJCAFR	PARAMETER LIST THAT IS PASSED TO IKJCAFR WHEN IKJCAF ABENDS
16	(10)	CHARACTER	16	CAFRPARM_MODULE_LEVEL_FOR_SDWA	MODULE LEVEL FOR SDWAMLVL FIELD
32	(20)	ADDRESS	4	CAFRPARM_ADDR_OF_CAF_PARAM_LIST	ADDRESS OF PARAMETERS THAT WERE PASSED TO IKJCAF
36	(24)	SIGNED	4	CAFRPARM_FOOT_PRINT	FOOT PRINT TO INDICATE TO IKJCAFR WHERE IKJCAF WAS PROCESSING - USE FOOTPRINT CONSTANTS DECLARED WITHIN THIS MAPPING MACRO WHEN SETTING THIS VARIABLE
40	(28)	ADDRESS	4	CAFRPARM_RETRY_ADDR_IN_IKJCAF	IN CASE OF AN ABEND, CONTROL WILL PASS TO THIS ADDRESS FROM IKJCAFR
44	(2C)	CHARACTER	4	CAFRPARM_SDWAABCC_FIELD	

IKJCAFRP Constants

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	SIGNED	4	CAFRPARAM_ABEND_REASON_CODE	ABEND COMPLETION FIELD FROM IKJCAFR SDWA
52	(34)	CHARACTER	28	CAFRPARAM_STORAGE_FOR_IKJCAFR	REASON CODE PASSED BACK FROM IKJCAFR
52	(34)	ADDRESS	4	CAFRPARAM_VRA_FIELD_IN_SDWAVRA	USED TO KEEP TRACK OF UNUSED SDWAVRA STORAGE AREA
56	(38)	CHARACTER	4	CAFRPARAM_BITS_FOR_RECOVERY	STORAGE AREA
		1...		CAFRPARAM_DID_CALLER_ISSUE_STAX	THIS BIT INDICATES THAT THE CALLER OF CAF ISSUED STAX IGNORE
		.1..		CAFRPARAM_WAS_SDUMP_SUCCESSFUL	THIS BIT IS SET WHEN THE SDUMP IN IKJCAFR IS SUCCESSFUL
		..1.		CAFRPARAM_BAD_USER_PARAMETERS	THIS BIT IS SET BY IKJCAFR TO INDICATE THAT THE USER PARAMETER LIST CAUSED THE ABEND DURING PARAMETER VERIFICATION
		...1		CAFRPARAM_ARE_USER_PARM_VERIFIED	THIS BIT IS ON WHEN IKJCAFR DETECTS THAT THE USER PARAMETER LIST WAS NEVER VERIFIED
		.... 1...		CAFRPARAM_APF_AUTHORIZED_ONLY	THIS BIT INDICATES IF IKJCAFR RUNNING APF AUTHORIZED
		.... .111		CAFRPARAM_RESERV01	RESERVE
57	(39)	BITSTRING	3	CAFRPARAM_RESERV02	RESERVE
60	(3C)	ADDRESS	4	CAFRPARAM_SDUMP_DYNAMIC_AREA	ADDRESS OF SDUMP DYNAMIC AREA
64	(40)	ADDRESS	4	CAFRPARAM_WORKAREA_FOR_MODESET	TEMPORARY WORKAREA FOR MODESET
68	(44)	UNSIGNED	1	CAFRPARAM_SAVE_PSW_KEY	USED TO SAVE THE CURRENT PSW KEY SO IKJCAFR CAN RETURN TO ITS ORIGINAL KEY
69	(45)	UNSIGNED	3	CAFRPARAM_RES06	RESERVED
72	(48)	SIGNED	4	CAFRPARAM_RES07	RESERVED
76	(4C)	SIGNED	4	CAFRPARAM_RES08	RESERVED
80	(50)	CHARACTER	0	CAFRPARAM_END	ASSURE WORK AREA ENDS ON A DOUBLE WORD BOUNDARY. ANY ADDITIONS TO WORK AREA SHOULD BE PUT BEFORE CAFEND

IKJCAFRP Constants

Len	Type	Value	Name	Description
Comment				
THE FOLLOWING FIELDS ARE CONSTANTS THAT ARE USED BY IKJCAF FOR INITIALIZATION OF THE CAFRPARAM PARAMETER LIST				
End of Comment				
8	CHARACTER	CAFRPARAM	CAFRPARAM_CONSTANT	CAFRPARAM ACRONYM CONSTANT
1	DECIMAL		CAFRPARAM_VERSION_NUM_CONSTANT	CAFRPARAM VERSION NUMBER

Len	Type	Value	Name	Description
Comment				
<p>DECLARATIONS OF FOOTPRINT CONSTANTS</p> <p>N O T E - FOOTPRINT CONSTANTS MUST CORRESPOND TO THE ORDER OF EXECUTION WITHIN THE CLIST ATTENTION FACILITY MODULE (IKJCAF). IKJCAFR RECOVERY ROUTINE USES THIS ASSOCIATION TO DETERMINE WHICH RANGE OF EVENTS HAVE OCCURRED. ANY ADDITIONS TO FOOTPRINT CONSTANTS MUST FOLLOW THIS CONVENTION. (I.E. IF IKJCAFR WAS CHECKING TO SEE IF IKJCAF WAS VERIFYING USER PARAMETERS, IKJCAFR WOULD FIND THE FOOTPRINT GREATER THAN OR EQUAL TO 100 AND LESS THAN 200).</p>				
End of Comment				
4	DECIMAL	100	CAFRPARAM_START_VERIFYING_PARM	USED BY FOOT PRINT TO INDICATE THE START OF THE VERIFICATION OF USER PARAMETERS
4	DECIMAL	200	CAFRPARAM_END_VERIFYING_PARM	USED BY FOOT PRINT TO INDICATE THE END OF THE VERIFICATION OF USER PARAMETERS
4	DECIMAL	300	CAFRPARAM_ATTNS_ARE_IGNORED	USED IN FOOTPRINT TO INDICATE STAX IGNORE=YES COMPLETED SUCCESSFULLY
4	DECIMAL	400	CAFRPARAM_PUTGET_COMPLETED	USED IN FOOTPRINT TO INDICATE PUTGET COMPLETED SUCCESSFULLY
4	DECIMAL	500	CAFRPARAM_ATTN_ARE_REESTABLISHED	USED BY FOOTPRINT TO INDICATE CAF COMPLETED SUCCESSFULLY
4	DECIMAL	1000	CAFRPARAM_RETRY_ATTEMPTED	USED TO CHECK IF AN ABEND OCCURRED AND IF IKJCAFR IS ATTEMPTING RETRY
Comment				
<p>DECLARATIONS OF USER ABEND CODES IN IKJCAF</p>				
End of Comment				
4	DECIMAL	600	CAFRPARAM_STAX_ABEND_CODE	ABEND CODE FOR STAX
4	DECIMAL	601	CAFRPARAM_STACK_ABEND_CODE	ABEND CODE FOR STACK
4	DECIMAL	602	CAFRPARAM_PUTGET_ABEND_CODE	ABEND CODE FOR PUTGET

IKJCAFRP Cross Reference

IKJCAFRP Cross Reference

Name	Hex Offset	Hex Value
CAFRPARAM_ABEND_REASON_CODE	30	
CAFRPARAM_ADDR_OF_CAF_PARM_LIST	20	
CAFRPARAM_APF_AUTHORIZED_ONLY	38	08
CAFRPARAM_ARE_USER_PARM_VERIFIED	38	10
CAFRPARAM_BAD_USER_PARAMETERS	38	20
CAFRPARAM_BITS_FOR_RECOVERY	38	
CAFRPARAM_DID_CALLER_ISSUE_STAX	38	80
CAFRPARAM_END	50	
CAFRPARAM_FOOT_PRINT	24	
CAFRPARAM_ID	0	
CAFRPARAM_MAPPING_MACRO	0	
CAFRPARAM_MODULE_LEVEL_FOR_SDWA	10	
CAFRPARAM_PARM_LIST_FOR_IKJCAFR	10	
CAFRPARAM_RESERV01	38	07
CAFRPARAM_RESERV02	39	
CAFRPARAM_RES01	9	
CAFRPARAM_RES02	C	
CAFRPARAM_RES06	45	
CAFRPARAM_RES07	48	
CAFRPARAM_RES08	4C	
CAFRPARAM_RETRY_ADDR_IN_IKJCAF	28	
CAFRPARAM_SAVE_PSW_KEY	44	
CAFRPARAM_SDUMP_DYNAMIC_AREA	3C	
CAFRPARAM_SDWAABCC_FIELD	2C	
CAFRPARAM_STORAGE_FOR_IKJCAFR	34	
CAFRPARAM_VERSION_NUMBER	8	
CAFRPARAM_VRA_FIELD_IN_SDWAVRA	34	
CAFRPARAM_WAS_SDUMP_SUCCESSFUL	38	40
CAFRPARAM_WORKAREA_FOR_MODESET	40	

IKJCNCCB Information

IKJCNCCB Programming Interface information

Programming Interface information

IKJCNCCB

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

- CONSOLE_CART
- CONSOLE_CNCCB
- CONSOLE_CONSID
- CONSOLE_DISP_JOBNAME
- CONSOLE_DISP_SYSNAME
- CONSOLE_DISP_TIME
- CONSOLE_EXCLUDE_SNMJB
- CONSOLE_GWMSG_PTR
- CONSOLE_ID
- CONSOLE_LENGTH
- CONSOLE_MFORM
- CONSOLE_NAME
- CONSOLE_PROFILE
- CONSOLE_PROFILE_EXIT_AREA
- CONSOLE_PROFILE_FLAGS
- CONSOLE_SDISPLAY
- CONSOLE_SOLSIZE
- CONSOLE_UDISPLAY
- CONSOLE_UNSSIZE
- CONSOLE_VERSION

End of Programming Interface information

IKJCNCCB Heading Information • IKJCNCCB Map

IKJCNCCB Heading Information

Common Name: CONSOLE Command Control Block
Macro ID: IKJCNCCB
DSECT Name: CONSOLE

Owning Component: ACRONYM: CNCCB
 TSO/E Scheduler (28502)
Eye-Catcher ID: CONSOLE
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230
 Key: 1
 Residency: Above 16MB line
Size: See listing
Created by: IKJEFT01
Pointed to by: LWACNCCB field of the LWA
Serialization: None
Function: This control block contains information pertinent to the operation of the CONSOLE command and its related functions.

IKJCNCCB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	132	CONSOLE		
0	(0)	CHARACTER	132	CONSOLE_CNCCB		
						CNCCB Control Block
0	(0)	CHARACTER	8	CONSOLE_ID		CNCCB identifier 'CONSOLE '
8	(8)	SIGNED	2	CONSOLE_VERSION		CNCCB Version Number
10	(A)	SIGNED	2	CONSOLE_LENGTH		CNCCB Length
12	(C)	SIGNED	4	CONSOLE_CONSID		User's MCS console id or zero if user is not an active console
16	(10)	CHARACTER	8	CONSOLE_NAME		The name of the CONSOLE session used by MCS
24	(18)	CHARACTER	24	CONSOLE_PROFILE		
24	(18)	CHARACTER	8	CONSOLE_CART		Command and response token
32	(20)	SIGNED	4	CONSOLE_SOLSIZE		Size of solicited message table
36	(24)	SIGNED	4	CONSOLE_UNSSIZE		Size of unsolicited message table
40	(28)	BITSTRING	4	CONSOLE_PROFILE_FLAGS		
		1...		CONSOLE_SDISPLAY		Solicited messages are to be TPUT to the user's screen if on. Otherwise, the message is not displayed at the user's terminal
		.1..		CONSOLE_UDISPLAY		Unsolicited messages are to be TPUT to the user's screen if on. Otherwise, the message is not displayed at the user's terminal
44	(2C)	ADDRESS	4	CONSOLE_PROFILE_EXIT_AREA		Reserved for exits
48	(30)	ADDRESS	4	CONSOLE_GWMSG_PTR		Address of GETMSG/WAITMSG Rtn
52	(34)	ADDRESS	4	CONSOLE_MFORM		Current MFORM settings (used when displaying messages)
		1...		CONSOLE_DISP_SYSNAME		MFORM indicating that system name should be displayed with message

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		CONSOLE_DISP_TIME	MFORM indicating that time stamp should be displayed with message
		..1.		CONSOLE_DISP_JOBNAME	MFORM indicating that job name should be displayed with message
		...1		CONSOLE_EXCLUDE_SNMJB	MFORM indicating that system name and job name should not be displayed with the message
56	(38)	BITSTRING	4	CONSOLE_FTPTFLAGS	Footprint flags
		1...		CONSOLE_AUTHTASK_CHECKING_EXITS	Task determining which exit to invoke
		.1..		CONSOLE_AUTHTASK_DISP_MSG	Message display routine processing
		..1.		CONSOLE_AUTHTASK_CACHING_MSG	Task caching a message
		...1		CONSOLE_AUTHTASK_SELECTING_MSG	Task selecting message to display
		.... 1...		CONSOLE_AUTHTASK_FORMATTING_MDB	Processing for formatting MDB's
		.... .1..		CONSOLE_AUTHTASK_POST_GETMSGS	Post all waiting GETMSGS
		.... ..1.		CONSOLE_AUTHTASK_POST_TO_TERM	Post pending ECB's for termination
		.... ...1		CONSOLE_AUTHTASK_EXAMINE_MCSCSA	Task examining the MCS status area
57	(39)	1...		CONSOLE_AUTHTASK_EXIT_MSG	Exit requested to issue message
		.1..		CONSOLE_AUTHTASK_TRANSLATING	Processing for message translation
60	(3C)	CHARACTER	32	CONSOLE_AUTHTASK_DATA	Notify Task Data Area
60	(3C)	SIGNED	4	CONSOLE_SRESUME	Resume % for Solicited message table.
64	(40)	SIGNED	4	CONSOLE_URESUME	Resume % for Unsolicited message table.
68	(44)	SIGNED	4	CONSOLE_AUTHTASK_END_CODE	Deactivation reason code set by notify task when it requests deactivation
72	(48)	CHARACTER	4	CONSOLE_AUTHTASK_ABEND_CODE	The abend code filled in when abend occurs during processing (Prefixed by 'S' or 'U' indicating abend type)
76	(4C)	SIGNED	4	CONSOLE_AUTHTASK_ABEND_REASON	Abend reason code filled in when abend occurs during processing
80	(50)	SIGNED	4	CONSOLE_AUTHTASK_MCS_RC	Return code from MCS requesting deactivation. Filled in when unexpected return code received from MCS
84	(54)	CHARACTER	8	CONSOLE_AUTHTASK_ENDING_EXIT	Name of exit requesting deactivation or abending exit.
92	(5C)	CHARACTER	4	CONSOLE_ASR_STATUS	The word the authorized service routine uses to see. If requests can be satisfied. It is serialized upon by the CS instruction.
92	(5C)	BITSTRING	2	CONSOLE_ASR_FLAGS	Processing Indicators
		1...		CONSOLE_DEACT_IN_PROGRESS	1 - If a DEACTIVATION request is executing or waiting to execute. All other work is turned away.
92	(5C)	BITSTRING	1	*	Always zero
94	(5E)	SIGNED	2	CONSOLE_NUMBER_OF_REQUESTS	Number of requests being processed

IKJCNCCB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
96	(60)	BITSTRING	4	CONSOLE_PROCESSING_FLAGS	Processing indicators
		1...		CONSOLE_END_CONSOLE_TASK	1 - If the task should terminate
		.1..		CONSOLE_AUTHTASK_ACTIVE	1 - The task has completed initialization
		..1.		CONSOLE_AUTHTASK_ABEND	1 - The task has abended Processing ends.
		...1		CONSOLE_SDISP_RESUME	1 - Exit requested that messages be displayed until table reaches percent capacity specified in CONSOLE_SRESUME.
		.... 1...		CONSOLE_UDISP_RESUME	1 - Exit requested that messages be displayed until table reaches percent capacity specified in CONSOLE_URESUME.
		.... .1..		CONSOLE_DEFAULT_CONSPROF_USED	1 - If a default CONSOLE profile was built for the user
100	(64)	CHARACTER	8	CONSOLE_MCSCSA	Address of the MCSCSA
100	(64)	SIGNED	4	CONSOLE_MCSCSA_ADDRESS	Address of the MCSCSA DATA AREA
104	(68)	SIGNED	4	CONSOLE_MCSCSA_ACCREG	Access register of data space containing the MCSCSA
108	(6C)	UNSIGNED	1	CONSOLE_MIGID	Migration ID for the console if one was requested
109	(6D)	CHARACTER	3	*	Reserved
112	(70)	SIGNED	4	CONSOLE_SAVE_CONSID	Temp area to save CONSOLE_CONSID while a console is being deactivated. CONSOLE_CONSID is then set to zero before the deactivation begins.
116	(74)	ADDRESS	4	*(4294967300:0)	Reserved

IKJCNCCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CONSOLE	0		CONSOLE_AUTHTASK_EXIT_MSG	38	01
CONSOLE_ASR_FLAGS			CONSOLE_AUTHTASK_EXIT_MSG	39	80
CONSOLE_ASR_STATUS	5C		CONSOLE_AUTHTASK_FORMATTING_MDB	38	08
CONSOLE_AUTHTASK_ABEND	5C		CONSOLE_AUTHTASK_MCS_RC	50	
CONSOLE_AUTHTASK_ABEND_CODE	60	20	CONSOLE_AUTHTASK_POST_GETMSGS	38	04
CONSOLE_AUTHTASK_ABEND_REASON	48		CONSOLE_AUTHTASK_POST_TO_TERM	38	02
CONSOLE_AUTHTASK_ACTIVE	4C		CONSOLE_AUTHTASK_SELECTING_MSG	38	10
CONSOLE_AUTHTASK_CACHING_MSG	60	40	CONSOLE_AUTHTASK_TRANSLATING	39	40
CONSOLE_AUTHTASK_CHECKING_EXITS	38	20	CONSOLE_CART	18	
CONSOLE_AUTHTASK_DATA	38	80	CONSOLE_CNCCB	0	
CONSOLE_AUTHTASK_DISP_MSG	3C		CONSOLE_CONSID	C	
CONSOLE_AUTHTASK_END_CODE	38	40	CONSOLE_DEACT_IN_PROGRESS	5C	80
CONSOLE_AUTHTASK_ENDING_EXIT	44		CONSOLE_DEFAULT_CONSPROF_USED	60	04
CONSOLE_AUTHTASK_EXAMINE_MCSCSA	54		CONSOLE_DISP_JOBNAME	34	20

Name	Hex Offset	Hex Value
CONSOLE_DISP_SYSNAME	34	80
CONSOLE_DISP_TIME	34	40
CONSOLE_END_CONSOLE_TASK	60	80
CONSOLE_EXCLUDE_SNMJB	34	10
CONSOLE_FTPTFLAGS	38	
CONSOLE_GWMSG_PTR	30	
CONSOLE_ID	0	
CONSOLE_LENGTH	A	
CONSOLE_MCSCSA	64	
CONSOLE_MCSCSA_ACCREG	68	
CONSOLE_MCSCSA_ADDRESS	64	
CONSOLE_MFORM	34	
CONSOLE_MIGID	6C	
CONSOLE_NAME	10	
CONSOLE_NUMBER_OF_REQUESTS	5E	
CONSOLE_PROCESSING_FLAGS	60	
CONSOLE_PROFILE	18	
CONSOLE_PROFILE_EXIT_AREA	2C	
CONSOLE_PROFILE_FLAGS	28	
CONSOLE_SAVE_CONSID	70	
CONSOLE_SDISP_RESUME	60	10
CONSOLE_SDISPLAY	28	80
CONSOLE_SOLSIZE	20	
CONSOLE_SRESUME	3C	
CONSOLE_UDISP_RESUME	60	08
CONSOLE_UDISPLAY	28	40
CONSOLE_UNSSIZE	24	
CONSOLE_URESUME	40	
CONSOLE_VERSION	8	

IKJCNMCB Information

IKJCNMCB Programming Interface information

Programming Interface information

IKJCNMCB

End of Programming Interface information

IKJCNMCB Heading Information • IKJCNMCB Map

IKJCNMCB Heading Information

Common Name: Message Control Block
Macro ID: IKJCNMCB
DSECT Name: IKJCNMCB

Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: IKJCNMCB
Offset: 0
Length: 8

Storage Attributes: Subpool: 78
Key: 8
Residency: Above 16MB line

Size: Variable

Created by: GETMSG Service Routine
Pointed to by: GWPL_MSG_PTR of GWPL parameter list
Serialization: None

Function: This control block serves as a prefix area for MDBs (Message Data Blocks).

IKJCNMCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	CNMCB	CONSOLE Message Control Block
0	(0)	CHARACTER	16	CNMCB_PREFIX	
0	(0)	CHARACTER	8	CNMCB_ID	CNMCB identifier 'IKJCNMCB'
8	(8)	SIGNED	2	CNMCB_VERS	CNMCB version number
10	(A)	SIGNED	2	CNMCB_LEN	CNMCB length
12	(C)	ADDRESS	4	CNMCB_NEXT_MCB	Pointer to the next MCB if one exists
16	(10)	CHARACTER	*	CNMCB_MDB_AREA	Variable length of MDB

IKJCTLT Information

IKJCTLT Heading Information

Common Name: TSO/E Command Tables Location Table
Macro ID: IKJCTLT
DSECT Name: CTLT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: CTLT
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: One per system
 Virtual Storage: Common
 Auxiliary Storage: No
 Subpool: 241
 Key: 0
 Data Space: No
 Residency: Above 16M line
Size: 60 bytes
Created by: IKJPRM03
Pointed to by: TPVTCTLT field of the TPVT
Serialization: None
Function: IKJCTLT maps the TSO/E Command Tables Location Table. This table points to control blocks which contain the data determined by the customization of the TSO/E environment for this IPL.

IKJCTLT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	60	CTLT	
0	(0)	CHARACTER	4	CTLT_ID	"CTLT" identifier
4	(4)	UNSIGNED	2	CTLT_LEN	CTLT length
6	(6)	UNSIGNED	1	CTLT_VERS	Version number
7	(7)	UNSIGNED	1	*	Reserved
8	(8)	CHARACTER	12	CTLTTE2	IKJEFTE2
8	(8)	ADDRESS	4	CTLTTE2_PTR	Pointer to IKJEFTE2
12	(C)	UNSIGNED	4	CTLTTE2_LEN	Length of IKJEFTE2
16	(10)	UNSIGNED	2	CTLTTE2_ENTRIES	# of entries in TE2
18	(12)	UNSIGNED	2	CTLTTE2_ENTRY_LEN	Length of each entry
20	(14)	CHARACTER	12	CTLTTE8	IKJEFTE8
20	(14)	ADDRESS	4	CTLTTE8_PTR	Pointer to IKJEFTE8
24	(18)	UNSIGNED	4	CTLTTE8_LEN	Length of IKJEFTE8
28	(1C)	UNSIGNED	2	CTLTTE8_ENTRIES	# of entries in TE8
30	(1E)	UNSIGNED	2	CTLTTE8_ENTRY_LEN	Length of each entry
32	(20)	CHARACTER	12	CTLTTNS	IKJEFTNS
32	(20)	ADDRESS	4	CTLTTNS_PTR	Pointer to IKJEFTNS
36	(24)	UNSIGNED	4	CTLTTNS_LEN	Length of IKJEFTNS
40	(28)	UNSIGNED	2	CTLTTNS_ENTRIES	# of entries in TNS
42	(2A)	UNSIGNED	2	CTLTTNS_ENTRY_LEN	Length of each entry
44	(2C)	CHARACTER	12	CTLTTAP	IKJEFTAP
44	(2C)	ADDRESS	4	CTLTTAP_PTR	Pointer to IKJEFTAP
48	(30)	UNSIGNED	4	CTLTTAP_LEN	Length of IKJEFTAP

IKJCTLT Constants • IKJCTLT Cross Reference

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
52	(34)	UNSIGNED	2	CTLTTAP_#ENTRIES	# of entries in TAP	
54	(36)	UNSIGNED	2	CTLTTAP_ENTRY_LEN	Length of each entry	
56	(38)	BITSTRING	1	CTLT_TABLE_BUILT_FLAGS	Flags indicating if the table was built or was obtained from LPA	
		1... ..		CTLTTE2_BUILT	AUTHCMD table built flag	
		.1.. ..		CTLTTE8_BUILT	AUTHPGM table built flag	
		..1.		CTLTTNS_BUILT	NOTBKGND table built flag	
		...1		CTLTTAP_BUILT	AUTHTSF table built flag	
57	(39)	BITSTRING	1	*	Reserved	
58	(3A)	UNSIGNED	2	*	Reserved	

IKJCTLT Constants

Len	Type	Value	Name	Description
Comment				
Constants for the version number and EBCDIC identifier.				
End of Comment				
4	CHARACTER	CTLT	CTLTEID	"CTLT" identifier
4	DECIMAL		CTLT_CVERS	Version Number
4	DECIMAL		TE2_WIDTH	Constant for the width of the AUTHCMD table
4	DECIMAL		TE8_WIDTH	Constant for the width of the AUTHPGM table
4	DECIMAL		TAP_WIDTH	Constant for the width of the NOTBKGND table
4	DECIMAL		TNS_WIDTH	Constant for the width of the AUTHTSF table

IKJCTLT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CTLT	0		CTLTTE2_PTR	8	
CTLT_ID	0		CTLTTE8	14	
CTLT_LEN	4		CTLTTE8_#ENTRIES		
CTLT_TABLE_BUILT_FLAGS				1C	
CTLT_VERS	6		CTLTTE8_BUILT		
CTLTTAP	2C		CTLTTE8_ENTRY_LEN	38	40
CTLTTAP_#ENTRIES				1E	
CTLTTAP_BUILT	34		CTLTTE8_LEN	18	
			CTLTTE8_PTR	14	
CTLTTAP_ENTRY_LEN	38	10	CTLTTNS	20	
			CTLTTNS_#ENTRIES		
CTLTTAP_LEN	36			28	
CTLTTAP_PTR	30		CTLTTNS_BUILT		
CTLTTE2	2C			38	20
CTLTTE2_#ENTRIES	8		CTLTTNS_ENTRY_LEN		
				2A	
CTLTTE2_BUILT	10		CTLTTNS_LEN	24	
			CTLTTNS_PTR	20	
CTLTTE2_ENTRY_LEN	38	80			
CTLTTE2_LEN	12				
	C				

IKJEESCB Information

IKJEESCB Programming Interface information

Programming Interface information

IKJEESCB

End of Programming Interface information

IKJEESCB Heading Information • IKJEESCB Map

IKJEESCB Heading Information

Common Name: SEND PARMLIB Control Block
Macro ID: IKJEESCB
DSECT Name: IKJEESCB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: IKJEESCB
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 241
 Key: 0
 Residency: above 16M
Size: 192 bytes
Created by: IKJEESPR
Pointed to by: TPVT_SEND field of the TPVT
Serialization: None
Function: IKJEESCB defines the SEND PARMLIB Support Control Block.

IKJEESCB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	192	IKJEESCB		
0	(0)	CHARACTER	8	EESCB_IDENTIFIER		Identifier 'IKJEESCB'
8	(8)	CHARACTER	1	EESCB_VERSION		Identifier Version
9	(9)	CHARACTER	1	EESCB_RESERVED1		Reserved
10	(A)	SIGNED	2	EESCB_LENGTH		Length of control block
12	(C)	CHARACTER	180	EESCB_PARAMS		
12	(C)	CHARACTER	4	EESCB_FLAGS_1		SEND flags
		1...		EESCB_OPERSSEND		Flag to indicate the status of OPERATOR SEND. 0 - OPERATOR SEND is inactive 1 - OPERATOR SEND is active (OPERATOR SEND only, USER SEND is unaffected)
		.1..		EESCB_USERSSEND		Flag to indicate the status of USER SEND. 0 - USER SEND is inactive 1 - USER SEND is active (USER SEND only, OPERATOR SEND is unaffected)
		..1.		EESCB_SAVE		Flag to indicate if messages can be saved. 0 - Messages can not be saved 1 - Messages can be saved
		...1		EESCB_CHKPROD		Flag to indicate if the broadcast data set should be searched. 0 - Search the user log data set only 1 - Search the user log data set and the broadcast data set
		.... 1...		EESCB_USEPROD		Flag to indicate if mail should be stored in the broadcast data set if the user has no individual mail log 0 - Do not use the broadcast data set 1 - Use the broadcast data set
		.... .1..		EESCB_MSGPROTECT		Flag to indicate if individual mail log should be protected from the user and whether mail should be displayed depending on the user's security level. 0 - Do not protect the individual mail log. 1 - Protect the individual mail log and the mail in the mail log.
		.... ..1.		EESCB_SYSPLEXSHR		USERID'

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ...1		EESCB_SYSPLEXSHR_XCF	flag to indicate whether the broadcast data set is shared only by those systems in the sysplex. 0 - It is not shared exclusively by the systems in the sysplex. 1 - The broadcast data set is shared only by systems in the sysplex. LISTBC can bypass I/O on the broadcast data set.
		.... ...1		EESCB_SYSPLEXSHR	flag to indicate whether the EESCB_SYSPLEXSHR flag was set as a result of a parmlib update on another system in the XCF group. 0 - It was updated by a parmlib update on this system 1 - It was updated because a PARMLIB update was issued on another system in the XCF group.
13	(D)	1...		EESCB_OPERSEWAIT	Flag to indicate whether OPERATOR SEND should wait for message buffers. 0 - Don't wait for buffers. 1 - Wait for buffers.
		.1..		EESCB_SYSPLEXSHR_INI	flag to indicate whether the broadcast data set is shared only by those systems in the sysplex. Set from the SYSPLEXSHR parameter of the SEND statement See EESCB_SYSPLEXSHR for the flag.
		..1.		EESCB_LOGNAME_SPECIFIED	Bit position to indicate whether the LOGNAME keyword was specified: 0 - Not specified. 1 - Explicitly specified.
13	(D)	BITSTRING	2	*	Reserved
16	(10)	CHARACTER	52	EESCB_LOGNAME	User log
16	(10)	CHARACTER	44	EESCB_DATASET	User log data set name - If USER LOGS are *NOT* being used, this field will contain an asterisk (*) in col 1, with the rest of the field padded with blanks. In this case, the BROADCAST data set, named in EESCB_BROADCAST_DSNAME, is used as the LOG data set. - If USER LOGS *ARE* being used, this field contains the name of the user log data set, without the user prefix and padded with blanks.
60	(3C)	CHARACTER	8	EESCB_MEMBER	Data set member name
68	(44)	CHARACTER	8	EESCB_DATE_AND_TIME	Date/Time of last update
68	(44)	UNSIGNED	4	EESCB_DATE	Date of last update
72	(48)	UNSIGNED	4	EESCB_TIME	Date of last update (GMT)
76	(4C)	CHARACTER	6	EESCB_USERLOG_SIZE	User Log size
76	(4C)	SIGNED	2	EESCB_PRI_NUM	Primary space amount
78	(4E)	SIGNED	2	EESCB_SEC_NUM	Secondary space amount
80	(50)	SIGNED	2	EESCB_DIR_NUM	Number of directory blocks
82	(52)	CHARACTER	2	*	Reserved
84	(54)	CHARACTER	8	EESCB_SYSNAME	Name of the system that updated the EESCB_SYSPLEXSHR flag via XCF path
92	(5C)	CHARACTER	4	*	Reserved - forces boundary alignment of following section

IKJEESCB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>The following section contains information about the Broadcast Data Set, the VOLUME on which it resides, the Time and Date it was activated, etc. It is initially set at IPL time, and it may subsequently be updated using the TSO/E "PARMLIB UPDATE" command or the "SET IKJTSO=xx" system command. This information is obtained from the values specified or defaulted on the BROADCAST keyword of the IKJTSOxx member of PARMLIB.</p>					
End of Comment					
96	(60)	CHARACTER	76	EESCB_BROADCAST_INFO	Information associated with current BROADCAST Data Set
96	(60)	CHARACTER	1	EESCB_BROADCAST_FLAGS	Flag byte
		1... ..		EESCB_BROADCAST_SPECIFIED	Bit position to indicate whether the BROADCAST keyword of the IKJTSOxx member of PARMLIB was used to specify the Broadcast Data Set name found in the EESCB_BROADCAST_- DSNAME field below: 0 - BROADCAST keyword was not specified. Broadcast Data Set name used is the default Broadcast Data Set name. 1 - BROADCAST keyword was used to specify the Broadcast Data Set name.
		.1... ..		EESCB_BROADCAST_VOL_SPECIFIED	Bit position to indicate whether a VOLUME was explicitly specified in BROADCAST keyword: 0 - VOLUME not specified. The volume name in field EESCB_BROADCAST_VOLSER is the volume name from the CATALOG. 1 - VOLUME was specified The volume name in field EESCB_BROADCAST_VOLSER is the specified volume.
		..1.		EESCB_BROADCAST_SWITCH_PROMPT	Bit position to indicate whether to issue a confirmation PROMPT message during a Broadcast Data Set SWITCH: 0 - NOPROMPT has been requested 1 - PROMPT has either been requested or defaulted
		...1		EESCB_BROADCAST_IPL	Bit position to indicate whether the Broadcast Data Set was established at IPL time: 0 - established at a time other than at IPL 1 - established at IPL time
		.... 1...		EESCB_BROADCAST_SET	Bit position to indicate whether the Broadcast Data Set was established by a SET IKJTSO=xx system command: 0 - not established by SET command 1 - established by SET command
		.... .1..		EESCB_BROADCAST_PARMLIB	Bit position to indicate whether the Broadcast Data Set was established by a PARMLIB UPDATE command: 0 - not established by PARMLIB UPDATE command 1 - established by PARMLIB UPDATE command
		.... ..1.		EESCB_BROADCAST_SWITCH_REQUIRED	Bit position to indicate whether it is necessary to SWITCH to a new Broadcast Data Set during PARMLIB UPDATE, SET IKJTSO=xx, or IPL processing. (Flag always on during IPL.) 0 - no SWITCH is required because the name and volume for the Broadcast Data Set have not been changed. 1 - SWITCH is required

Offsets		Type/Value.... ...1	Len	Name (Dim)	Description
Dec	Hex				
				EESCB_BROADCAST_PRIMARY_REP	Bit position to indicate whether the EESCB_BROADCAST_DSNAME contains the Broadcast Data Set name specified by the user, or whether it contains the primary name associated with an ALIAS name specified by the user. 0 - the name in BROADCAST_DSNAME is the Broadcast Data Set name specified, and it is not an ALIAS. 1 - the name in BROADCAST_DSNAME is the primary name of the Broadcast Data Set specified by the user. The name specified by the user was an ALIAS.
97	(61)	CHARACTER	3	EESCB_BROADCAST_RSVD1	Reserved
100	(64)	SIGNED	2	EESCB_BROADCAST_TIMEOUT	SWITCH Time-out limit in seconds. If the NEW Broadcast Data Set ENQ cannot be obtained within this number of seconds, the Broadcast Data Set SWITCH is not performed.

Comment

Current Broadcast Data Set Information

End of Comment

102	(66)	SIGNED	2	EESCB_BROADCAST_DSNLEN	Length of BROADCAST name contained in the following field
104	(68)	CHARACTER	44	EESCB_BROADCAST_DSNAME	Name of the BROADCAST Data Set. If no Broadcast Data Set name was specified in the IKJTSOxx member of PARMLIB, this name defaults to SYS1.BROADCAST (length=13)
148	(94)	CHARACTER	6	EESCB_BROADCAST_VOLSER	Volume on which the BROADCAST Data Set resides
154	(9A)	CHARACTER	2	EESCB_BROADCAST_RSVD3	Reserved
156	(9C)	CHARACTER	8	EESCB_BROADCAST_UNIT	Unit associated with the BROADCAST Data Set
164	(A4)	CHARACTER	8	EESCB_BROADCAST_RSVD4	Reserved
172	(AC)	CHARACTER	8	EESCB_BROADCAST_DATE_TIME	Date/Time of last successful BROADCAST Data Set allocation
172	(AC)	UNSIGNED	4	EESCB_BROADCAST_DATE	Date of last allocation (GMT) - 0CyydddF (C=1 for 2000- 2099)
176	(B0)	UNSIGNED	4	EESCB_BROADCAST_TIME	Time of last allocation (GMT) - HHMMSSth (dec)
180	(B4)	CHARACTER	12	EESCB_RESERVED2	Reserved
192	(C0)	CHARACTER	0	*	End on a double word

IKJEESCB Constants • IKJEESCB Cross Reference

IKJEESCB Constants

Len	Type	Value	Name	Description
8	CHARACTER	IKJEESCB	EESCB_NAME	Identifier
1	HEX	03	EESCB_LEVEL	Version ID
4	DECIMAL	192	EESCB_LEN	Length of the EESCB Control Block mapping
1	HEX	03	MIN_DYN_BROADCAST_VERS	The minimum EESCB_VERSION needed for an EESCB to contain the EESCB_BROADCAST_INFO section. This represents the version in which Dynamic Broadcast Support was introduced.

Comment

Declare Broadcast Data Set related defaults

End of Comment

1	CHARACTER	*	EESCB_NO_USER_LOGNAME	Value used to indicate that USER LOGs are *not* being used. Instead, the broadcast data set (specified by EESCB_BROADCAST_DSNAME) should be used as the log data set
13	CHARACTER	SYS1.BROADCAST	EESCB_BROADCAST_DSNAME_DEFAULT	Default Broadcast Data Set name
8	CHARACTER	SYSALLDA	EESCB_BROADCAST_UNIT_DEFAULT	Default generic unit name for Broadcast Data Set - namely any DASD device

IKJEESCB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EESCB_BROADCAST_DATE			EESCB_BROADCAST_TIME	60	02
EESCB_BROADCAST_DATE_TIME	AC		EESCB_BROADCAST_TIMEOUT	B0	
EESCB_BROADCAST_DSNAME	AC		EESCB_BROADCAST_UNIT	64	
EESCB_BROADCAST_DSNLEN	68		EESCB_BROADCAST_VOL_SPECIFIED	9C	
EESCB_BROADCAST_FLAGS	66		EESCB_BROADCAST_VOLSER	60	40
EESCB_BROADCAST_INFO	60		EESCB_CHKBROD	94	
EESCB_BROADCAST_IPL	60	10	EESCB_CHKBRD	C	10
EESCB_BROADCAST_PARM LIB	60	04	EESCB_DATASET	10	
EESCB_BROADCAST_PRIMARY_REP	60	01	EESCB_DATE	44	
EESCB_BROADCAST_RSVD1	60		EESCB_DATE_AND_TIME	44	
EESCB_BROADCAST_RSVD3	61		EESCB_DIR_NUM	50	
EESCB_BROADCAST_RSVD4	9A		EESCB_FLAGS_1	C	
EESCB_BROADCAST_SET	A4		EESCB_IDENTIFIER	0	
EESCB_BROADCAST_SPECIFIED	60	08	EESCB_LENGTH	A	
EESCB_BROADCAST_SWITCH_PROMPT	60	80	EESCB_LOGNAME	10	
EESCB_BROADCAST_SWITCH_REQUIRED	60	20	EESCB_LOGNAME_SPECIFIED	D	20
			EESCB_MEMBER	3C	
			EESCB_MSGPROTECT		

Name	Hex Offset	Hex Value
	C	04
EESCB_OPERSEND	C	80
EESCB_OPERSEWAIT	D	80
EESCB_PARMS	C	
EESCB_PRI_NUM	4C	
EESCB_RESERVED1	9	
EESCB_RESERVED2	B4	
EESCB_SAVE	C	20
EESCB_SEC_NUM	4E	
EESCB_SYSNAME	54	
EESCB_SYSPLEXSHR	C	02
EESCB_SYSPLEXSHR_INI	D	40
EESCB_SYSPLEXSHR_XCF	C	01
EESCB_TIME	48	
EESCB_USEBROD	C	08
EESCB_USERLOG_SIZE	4C	
EESCB_USERSEND	C	40
EESCB_VERSION	8	
IKJEESCB	0	

IKJEFFPT Information

IKJEFFPT Heading Information

Common Name: JOBNAME/JOBID Parameter List for TSO/E CANCEL/STATUS modules
Macro ID: IKJEFFPT
DSECT Name: PARMLIST, JOBLIST, SWITCHES
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: PARMLIST - 20 bytes
 JOBLIST - 9 bytes
 SWITCHES - 8 bytes
Created by: IKJEFF50
Pointed to by: Register 1 points to a parameter list which includes the pointer to this parameter list
Serialization: None
Function: This parameter list is used by the CANCEL/STATUS command processors and contains job information.

IKJEFFPT Map

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	20	PARMLIST	**CANCEL/STATUS JOB PARMLIST**
0	(0)	ADDRESS	4	JOBLISTP	PTR TO TABLE OF JOB NAMES/JOBIDS
4	(4)	ADDRESS	4	NUMJOBSP	PTR TO NUMBER ENTRIES IN TABLE
8	(8)	ADDRESS	4	SWITPTR	PTR TO CANCEL/STATUS SWITCHES
12	(C)	ADDRESS	4	MSGRTNPT	PTR TO IKJEFF02 MESSAGE RTN
16	(10)	ADDRESS	4	MSGPTR	PTR TO PARM LIST FOR MSG RTN
		1...		PTHIGH	END OF PARMLIST - BIT ON FOR STANDARD LINKAGE

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	9	JOBLIST (*)	TABLE ARRAY FOR JOB NAMES, JOBIDS - PUT USERID AND LENGTH HERE IF STATUS WITH NO OPERANDS
0	(0)	CHARACTER	1	LEN1	SEE DCLS FOR CONSTANTS FOR THE POSSIBLE VALUES OF THIS FIELD FOR CANCEL OR STATUS W/ OPERANDS
1	(1)	CHARACTER	8	JOBNMID	EITHER JOBNAME OR JOBID OR USERID -JOBID MUST FOLLOW JOBNAME ENTRY

Offsets					Description
Dec	Hex	Type/Value	Len	Name (Dim)	
0	(0)	STRUCTURE	1	SWITCHES	SWITCHES INTERNAL TO CANCEL/ST
		1...		CANCEL SW	- CANCEL COMMAND
		.1..		STATUS SW	- STATUS COMMAND, WITH OPERAND
		..1.		STATAUTO	- STATUS COMMAND, WITHOUT OPRNDS
		...1		JOBIDSW	- INDICATE JOBID CURRENT ENTRY
		.... 1...		QUIT	- INDICATE ERROR FOUND IN MODULE
		.... .1..		PTPURGSW	- INDICATE PURGE KEYWORD SPECIFIED ON CANCEL COMMAND. CANCEL COMMAND WILL PURGE EACH JOB'S OUTPUT IF THE JOB HAS ALREADY BEEN EXECUTED AND PURGE IS SPECIFIED.
		.... ..11		*	- ** RESERVED FOR FUTURE USE **

IKJEFFPT Constants • IKJEFFPT Cross Reference

IKJEFFPT Constants

Len	Type	Value	Name	Description
Comment				
CONSTANTS USED IN JOBLIST ENTRIES (LEN1 FIELD)				
End of Comment				
1	HEX	00	IDJOBNM	MEANS NEXT ENTRY IS JOBNAME
1	HEX	44	IDJOBID	MEANS NEXT ENTRY IS JOBID
1	HEX	80	IDLASTJB	MEANS LAST ENTRY IN TABLE

IKJEFFPT Cross Reference

Name	Hex Offset	Hex Value
CANCELSW	0	80
JOBIDSW	0	10
JOBLIST	0	
JOBLISTP	0	
JOBNMID	1	
LEN1	0	
MSGPTR	10	
MSGRTNPT	C	
NUMJOBSP	4	
PARMLIST	0	
PTHIGH	10	80
PTPURGSW	0	04
QUIT	0	08
STATAUTO	0	20
STATUSSW	0	40
SWITCHES	0	
SWITPTR	8	

IKJEFTSJ Information

IKJEFTSJ Heading Information

Common Name: Mapping for the IKJEFTSI parameter list
Macro ID: IKJEFTSJ
DSECT Name: IKJEFTSJ
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by the invoker of IKJEFTSJ
 Key: 8
 Residency: Determined by the invoker of IKJEFTSJ
Size: See assembler listing
Created by: Invoker of IKJEFTSJ
Pointed to by: Register 1 on entry to IKJEFTSI
Serialization: None
Function: IKJEFTSJ is the mapping macro for the standard parameter list passed to IKJEFTSI via register 1.

IKJEFTSJ Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	60	IKJEFTSJ		
0	(0)	ADDRESS	4	EFTSI_ECTPARAM@		Pointer to the ECT address.
		1... ..		EFTSI_ECTPARAM@_HIBIT		This bit must be OFF.
4	(4)	ADDRESS	4	EFTSI_RESERVED@		Pointer to RESERVED
		1... ..		EFTSI_RESERVED@_HIBIT		End of list
8	(8)	ADDRESS	4	EFTSI_TOKEN@		Ptr to TOKEN data
		1... ..		EFTSI_TOKEN@_HIBIT		End of list
12	(C)	ADDRESS	4	EFTSI_ERROR@		Ptr to ERROR data
		1... ..		EFTSI_ERROR@_HIBIT		This bit must be OFF.
16	(10)	ADDRESS	4	EFTSI_ABEND@		Pointer to ABEND data
		1... ..		EFTSI_ABEND@_HIBIT		Indicates end of list
20	(14)	ADDRESS	4	EFTSI_REASON@		Pointer to REASON data
		1... ..		EFTSI_REASON@_HIBIT		Indicates end of list

Comment

Begin declarations for storage pointed to by above addresses:

End of Comment

24	(18)	ADDRESS	4	EFTSI_ECTPARAM		ECT address. If zero is specified, then the address of the primary ECT is assumed and returned. If X'FFFFFFFF' is entered a new ECT is created and returned.
28	(1C)	BITSTRING	4	EFTSI_RESERVED		Reserved field
32	(20)	CHARACTER	16	EFTSI_TOKEN		Token passed back to caller. A list of four fullwords:
32	(20)	ADDRESS	4	EFTSI_TOKEN1		1st fullword
36	(24)	ADDRESS	4	EFTSI_TOKEN2		2nd fullword
40	(28)	ADDRESS	4	EFTSI_TOKEN3		3rd fullword

IKJEFTSJ Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
44	(2C)	ADDRESS	4	EFTSI_TOKEN4	4th fullword
48	(30)	SIGNED	4	EFTSI_ERROR	Error reason code when IKJEFTSI fails to complete successfully.
52	(34)	BITSTRING	4	EFTSI_ABEND	Internal error abend code returned to caller.
56	(38)	BITSTRING	4	EFTSI_REASON	Internal error reason code returned to caller.

IKJEFTSJ Cross Reference

Name	Hex Offset	Hex Value
EFTSI_ABEND	34	
EFTSI_ABEND@	10	
EFTSI_ABEND@_HIBIT	10	80
EFTSI_ECTPARAM	18	
EFTSI_ECTPARAM@	0	
EFTSI_ECTPARAM@_HIBIT	0	80
EFTSI_ERROR	30	
EFTSI_ERROR@	C	
EFTSI_ERROR@_HIBIT	C	80
EFTSI_REASON	38	
EFTSI_REASON@	14	
EFTSI_REASON@_HIBIT	14	80
EFTSI_RESERVED	1C	
EFTSI_RESERVED@	4	
EFTSI_RESERVED@_HIBIT	4	80
EFTSI_TOKEN	20	
EFTSI_TOKEN@	8	
EFTSI_TOKEN@_HIBIT	8	80
EFTSI_TOKEN1	20	
EFTSI_TOKEN2	24	
EFTSI_TOKEN3	28	
EFTSI_TOKEN4	2C	
IKJEFTSJ	0	

IKJEFTSV Information

IKJEFTSV Heading Information

Common Name: Mapping for the IKJEFTST parameter list
Macro ID: IKJEFTSV
DSECT Name: IKJEFTSV
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by the invoker of IKJEFTSV
 Key: 8
 Residency: Determined by the invoker of IKJEFTSV
Size: See assembler listing
Created by: Invoker of IKJEFTSV
Pointed to by: Register 1 on entry to IKJEFTST
Serialization: None
Function: IKJEFTSV is the mapping macro for the standard parameter list passed to IKJEFTST via register 1.

IKJEFTSV Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	60	IKJEFTSV		
0	(0)	ADDRESS	4	EFTST_ECTPARAM@		Pointer to the ECT address.
		1... ..		EFTST_ECTPARAM@_HIBIT		Bit must be OFF
4	(4)	ADDRESS	4	EFTST_RESERVED@		Pointer to RESERVED
		1... ..		EFTST_RESERVED@_HIBIT		End of list
8	(8)	ADDRESS	4	EFTST_TOKEN@		Pointer to TOKEN data
		1... ..		EFTST_TOKEN@_HIBIT		Bit must be OFF
12	(C)	ADDRESS	4	EFTST_ERROR@		Ptr to ERROR data
		1... ..		EFTST_ERROR@_HIBIT		End of list
16	(10)	ADDRESS	4	EFTST_ABEND@		Pointer to ABEND data
		1... ..		EFTST_ABEND@_HIBIT		Indicates end of list
20	(14)	ADDRESS	4	EFTST_REASON@		Pointer to REASON data
		1... ..		EFTST_REASON@_HIBIT		Indicates end of list

Comment

Begin declarations for storage pointed to by above addresses:

End of Comment

24	(18)	ADDRESS	4	EFTST_ECTPARAM		ECT address. If zero is specified, then the address of the primary ECT is assumed and returned. and returned.
28	(1C)	BITSTRING	4	EFTST_RESERVED		Reserved field
32	(20)	CHARACTER	16	EFTST_TOKEN		Token passed to IKJEFTST. A list of four fullwords:
32	(20)	ADDRESS	4	EFTST_TOKEN1		1st fullword
36	(24)	ADDRESS	4	EFTST_TOKEN2		2nd fullword
40	(28)	ADDRESS	4	EFTST_TOKEN3		3rd fullword
44	(2C)	ADDRESS	4	EFTST_TOKEN4		4th fullword

IKJEFTSV Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
48	(30)	SIGNED	4	EFTST_ERROR	Error reason code when IKJEFTST fails to complete successfully.
52	(34)	BITSTRING	4	EFTST_ABEND	Internal error abend code returned to caller.
56	(38)	BITSTRING	4	EFTST_REASON	Internal error reason code returned to caller.

IKJEFTSV Cross Reference

Name	Hex Offset	Hex Value
EFTST_ABEND	34	
EFTST_ABEND@	10	
EFTST_ABEND@_HIBIT	10	80
EFTST_ECTPARM	18	
EFTST_ECTPARM@	0	
EFTST_ECTPARM@_HIBIT	0	80
EFTST_ERROR	30	
EFTST_ERROR@	C	
EFTST_ERROR@_HIBIT	C	80
EFTST_REASON	38	
EFTST_REASON@	14	
EFTST_REASON@_HIBIT	14	80
EFTST_RESERVED	1C	
EFTST_RESERVED@	4	
EFTST_RESERVED@_HIBIT	4	80
EFTST_TOKEN	20	
EFTST_TOKEN@	8	
EFTST_TOKEN@_HIBIT	8	80
EFTST_TOKEN1	20	
EFTST_TOKEN2	24	
EFTST_TOKEN3	28	
EFTST_TOKEN4	2C	
IKJEFTSV	0	

IKJEFUDL Information

IKJEFUDL Heading Information

Common Name: User Identification Data List
Macro ID: IKJEFUDL
DSECT Name: DUIDL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
 Key: 8
Size: 24 bytes
Created by: IKJEFA10, IKJEFA20, IKJEFA30
Pointed to by: ACCTPL parameter list
Serialization: None
Function: The DUIDL contains user identification data and is created by the ADD, CHANGE and DELETE subcommands of the ACCOUNT command. It is used by the account broadcast interface (IKJEES40) to update the broadcast data set.

IKJEFUDL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	DUIDL	
0	(0)	ADDRESS	4	UIDLNEX	PTR TO NEXT UIDL ENTRY
4	(4)	CHARACTER	2	UIDLSWS	UIDL FLAGS
		1... ..		UIDADD	..1 = RESULT OF ADD CMD
		.1.. ..		UIDDEL	..1 = RESULT OF DELETE CMD
		..1.		UIDCHG	..1 = RESULT OF CHANGE CMD
4	(4)	BITSTRING	1	*	RESERVED
6	(6)	ADDRESS	2	UIDLCT	NUMBER OF USERID ENTRIES NOTE: ADD AND DELETE COUNT IS 1 FOR EACH 8-BYTE USERID FIELD IN THIS LIST. CHANGE COUNT IS 2 FOR EACH 16-BYTE, 2-USERID FIELD
8	(8)	CHARACTER	8	UIDUSER (4294967298:0)	ARRAY OF USERID NAMES 7 BYTE USERID NAME PLUS A ..RIGHTMOST BLANK 1ST USERID NAME ..(OLD USERID FOR CHANGE) 2ND USERID NAME ..(NEW USERID FOR CHANGE)

IKJEGDBE Information

IKJEGDBE Heading Information

Common Name: TSO/E Defer Break Element
Macro ID: IKJEGDBE
DSECT Name: DBE
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGDBE
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 1
 Key: 8
Size: 20 bytes
Created by: IKJEGATD
Pointed to by: DEFERTAB field of TCOMTAB data area
Serialization: None
Function: Contains information about the defer break elements in a program.

IKJEGDBE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IKJEGDBE	PREFIX FOR DBE
0	(0)	SIGNED	4	DBEPRE (0)	_ DBE PREFIX AREA
0	(0)	CHARACTER	8	DBEID	- DBE ID: 'IKJEGDBE'
0	(0)	X'8'	0	DBEPREL	"*-DBEPRE" LENGTH OF PREFIX AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DBE	
0	(0)	SIGNED	4	DBEDBE	- ADDRESS OF NEXT DBE ON CHAIN
4	(4)	SIGNED	4	DBEPDL	- ADDRESS OF PDL
8	(8)	SIGNED	4	DBEINBUF	- ADDRESS OF INPUT BUFFER
8	(8)	X'14'	0	DBELNH	"(*-DBE)+DBEPREL" LENGTH OF DBE, INCLUDING PREFIX AREA

IKJEGDME Information

IKJEGDME Heading Information

Common Name: TSO/E Defer Module Element
Macro ID: IKJEGDME
DSECT Name: DME
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGDME
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 1
 Key: 8
Size: 24 bytes
Created by: IKJEGATD
Pointed to by: DEFERTAB field of TCOMTAB data area
Serialization: None
Function: Contains information about the defer module elements in a program.

IKJEGDME Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	IKJEGDME	DME PREFIX AREA
0	(0)	SIGNED	4	DMEPRE (0)	- DME PREFIX AREA
0	(0)	CHARACTER	8	DMEID	- DME ID: 'IKJEGDME'
0	(0)	X'8'	0	DMEPREL	"*-DMEPRE" LENGTH OF PREFIX AREA

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	DME	
0	(0)	SIGNED	4	DMEDME	- ADDRESS OF NEXT DME ON CHAIN
4	(4)	SIGNED	4	DMEDBE	- ADDRESS OF FIRST DBE ON CHAIN
8	(8)	CHARACTER	8	DMELOAD	- LOAD MODULE NAME
8	(8)	X'18'	0	DMELNH	"(*-DME)+(DMEPREL)" DME LENGTH INCLUDING THE PREFIX AREA

IKJEGSIB Information

IKJEGSIB Heading Information

Common Name: TSO/E TEST Symbol Information Block
Macro ID: IKJEGSIB
DSECT Name: IKJEGSIB, SIB
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGSIB
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 1
 Key: 8
Size: IKJEGSIB 24 - bytes
 SIB - 32 bytes
Created by: IKJEGSYM
Pointed to by: SIBNEXT
Serialization: None
Function: This symbol information block is created when TEST tries to resolve a symbol.

IKJEGSIB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	24	IKJEGSIB	INFORMATION ABOUT RESOLVED SYMBOL	
0	(0)	ADDRESS	4	SIBSYMAD	EQUIVALENT MAIN STORAGE ADDRESS	
4	(4)	BITSTRING	1	SIBTYPE	TYPE OF DATA AT THIS LOCATION	
5	(5)	UNSIGNED	3	SIBMULTP	MULTIPLICITY FACTOR	
8	(8)	SIGNED	2	SIBSTLTH	LENGTH OF STORAGE RESERVED	
10	(A)	BITSTRING	2	SIBRSVD1	RESERVED	
12	(C)	ADDRESS	4	SIBNEXT	POINTER TO NEXT SIB	
16	(10)	CHARACTER	8	SIBXTNT1	SIB EXTENSION	
16	(10)	UNSIGNED	2	SIBXLEN	LENGTH OF THE SIB	
18	(12)	UNSIGNED	1	SIBXVER	SIB VERSION NUMBER	
19	(13)	BITSTRING	1	SIBTYPE2	TYPE OF DATA	
20	(14)	UNSIGNED	4	SIBALET	ALET ASSOCIATED WITH SYMBOL	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	*	SIB	NAME FOR ENTIRE SIB	
0	(0)	CHARACTER	8	SIBPREF	SIB PREFIX	
0	(0)	CHARACTER	8	SIBID	SIB IDENTIFIER 'IKJEGSIB'	
8	(8)	CHARACTER	24	*	MAIN PART OF SIB	

IKJEGSIB Constants • IKJEGSIB Cross Reference

IKJEGSIB Constants

Len	Type	Value	Name	Description
4	DECIMAL	32	SIBLENTH	LENGTH OF SIB & PREFIX
4	DECIMAL	24	SIBLTHO	SIB LENGTH AND PREFIX MINUS EXTENSION
1	DECIMAL	1	SIBVERSC	SIB VERSION NUMBER CONSTANT

Comment

VALUES FOR SIBTYPE

End of Comment

1	HEX	00	SIBTYPEC	CHARACTER
1	HEX	04	SIBTYPEX	HEXIDECIMAL
1	HEX	08	SIBTYPEB	BINARY
1	HEX	0C	SIBTYPEI	INSTRUCTION
1	HEX	10	SIBTYPEF	FIXED POINT, FULL WORD
1	HEX	14	SIBTYPEH	FIXED POINT, HALF WORD
1	HEX	18	SIBTYPEE	FLOATING POINT, FULL WORD
1	HEX	1C	SIBTYPED	FLOATING POINT, DOUBLE WORD
1	HEX	20	SIBTYPEA	ADDRESS CONSTANT, A OR Q FMT
1	HEX	24	SIBTYPEY	ADDRESS CONSTANT, Y FORMAT
1	HEX	28	SIBTYPES	ADDRESS: BASE-DISPLACEMENT
1	HEX	30	SIBTYPEP	PACKED DECIMAL
1	HEX	34	SIBTYPEZ	ZONED DECIMAL
1	HEX	80	SIBXTEND	EXTENDED FORMAT SIB

IKJEGSIB Cross Reference

Name	Hex Offset	Hex Value
IKJEGSIB	0	
SIB	0	
SIBALET	14	
SIBID	0	
SIBMULTP	5	
SIBNEXT	C	
SIBPREF	0	
SIBRSVD1	A	
SIBSTLTH	8	
SIBSYMAD	0	
SIBTYPE	4	
SIBTYPE2	13	
SIBXLEN	10	
SIBXTNT1	10	
SIBXVER	12	

IKJEGSTE Information

IKJEGSTE Heading Information

Common Name: TSO/E TEST Symbol Table Entry
Macro ID: IKJEGSTE
DSECT Name: IKJEGSTE, STE
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGSTE
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 1
 Key: 8
Size: IKJEGSTE - 32 bytes
 STE - 40 bytes
Created by: IKJEQU
Pointed to by: SYMTABLE in TCOMTAB, STENEXT
Serialization: None
Function: A symbol table entry contains information about a symbol specified on either the EQUATE subcommand or the EQUATE keyword of the GETMAIN subcommand. The queue of symbol table entries is chained from the SYMTABLE field of TCOMTAB. The queue is used to resolve symbolic addresses.

IKJEGSTE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	IKJEGSTE	INFORMATION ABOUT RESOLVED SYMBOL
0	(0)	ADDRESS	4	STENEXT	POINTER TO NEXT STE
4	(4)	ADDRESS	4	STESYMAP	EQUIVALENT MAIN STORAGE ADDRESS
8	(8)	BITSTRING	1	STETYPE	TYPE OF DATA AT THIS LOCATION
9	(9)	UNSIGNED	3	STEMULTP	MULTIPLICITY FACTOR
12	(C)	SIGNED	2	STESTLTH	LENGTH OF STORAGE RESERVED
14	(E)	SIGNED	2	STESYMLN	LENGTH OF SYMBOL
16	(10)	CHARACTER	8	STESYMBL	SYMBOL
24	(18)	CHARACTER	8	STEXTNT1	STE EXTENSION
24	(18)	UNSIGNED	2	STEXLEN	LENGTH OF THE STE
26	(1A)	UNSIGNED	1	STEXVER	STE VERSION NUMBER
27	(1B)	BITSTRING	1	STETYPE2	TYPE OF DATA
28	(1C)	UNSIGNED	4	STEALET	ALET ASSOCIATED WITH SYMBOL

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	STE	NAME FOR ENTIRE STE
0	(0)	CHARACTER	8	STEPREF	STE PREFIX
0	(0)	CHARACTER	8	STEID	STE IDENTIFIER 'IKJEGSTE'
8	(8)	CHARACTER	32	*	MAIN PART OF STE

IKJEGSTE Constants • IKJEGSTE Cross Reference

IKJEGSTE Constants

Len	Type	Value	Name	Description
4	DECIMAL	8	STEPREFL	PREFIX LENGTH
4	DECIMAL	40	STELENTH	LENGTH OF STE & PREFIX
4	DECIMAL	32	STELTHO	STE LENGTH AND PREFIX MINUS EXTENSION
1	DECIMAL	1	STEVERSC	STE VERSION NUMBER CONSTANT

Comment

VALUES FOR STETYPE

End of Comment

1	HEX	00	STETYPEC	CHARACTER
1	HEX	04	STETYPEX	HEXIDECIMAL
1	HEX	08	STETYPEB	BINARY
1	HEX	0C	STETYPEI	INSTRUCTION
1	HEX	10	STETYPEF	FIXED POINT, FULL WORD
1	HEX	14	STETYPEH	FIXED POINT, HALF WORD
1	HEX	18	STETYPEE	FLOATING POINT, FULL WORD
1	HEX	1C	STETYPED	FLOATING POINT, DOUBLE WORD
1	HEX	20	STETYPEEA	ADDRESS CONSTANT, A OR Q FMT
1	HEX	24	STETYPEY	ADDRESS CONSTANT, Y FORMAT
1	HEX	28	STETYPES	ADDRESS: BASE-DISPLACEMENT
1	HEX	30	STETYPEP	PACKED DECIMAL
1	HEX	34	STETYPEZ	ZONED DECIMAL
1	HEX	80	STEXTEND	EXTENDED FORMAT STE

IKJEGSTE Cross Reference

Name	Hex Offset	Hex Value
IKJEGSTE	0	
STE	0	
STEALET	1C	
STEID	0	
STEMULTP	9	
STENEXT	0	
STEPREF	0	
STESTLTH	C	
STESYMD	4	
STESYMBL	10	
STESYMLN	E	
STETYPE	8	
STETYPE2	1B	
STEXLEN	18	
STEXTNT1	18	
STEXVER	1A	

IKJEGSTL Information

IKJEGSTL Heading Information

Common Name: TSO/E TEST ESTAE Exit Parameter List
Macro ID: IKJEGSTL
DSECT Name: IKJEGSTL
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGSTL
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 1
 Key: 8
Size: 64 bytes
Created by: TSO/E TEST modules
Pointed to by: N/A
Serialization: None
Function: IKJEGSTL is the ESTAE exit parameter list. It is generated by TSO/E TEST modules using the IKJEGSPL macro. It provides input to the TSO/E TEST ESTAE exit routine, IKJEGSTA.

IKJEGSTL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	IKJEGSTL	STA PARAMETER LIST
0	(0)	CHARACTER	8	STLID	ID: IKJEGSTL
8	(8)	ADDRESS	4	STLRETRY	ADDRESS OF RETRY ROUTINE
12	(C)	ADDRESS	4	STLABENT	ADDRESS OF ABEND TABLE
16	(10)	ADDRESS	4	STLENTTRY	ADDRESS OF CSECT THAT ISSUED ESTAE
20	(14)	CHARACTER	8	STLCSCTN	NAME OF CSECT THAT ISSUED ESTAE
28	(1C)	CHARACTER	8	STLLOADN	NAME OF LOAD MODULE
36	(24)	CHARACTER	8	STLEPTN	NAME OF ENTRY POINT
44	(2C)	CHARACTER	16	STLLEVEL	MODULE LEVEL (DATE AND PTF OR PRODUCT NUMBER)
60	(3C)	CHARACTER	*	STLINSRT	2ND INSERT FOR 2ND LEVEL MESSAGE
60	(3C)	SIGNED	2	STLINSL	LENGTH OF TEXT NAME INSERT
62	(3E)	SIGNED	2	STLINSX	USED BY IKJEGIO
64	(40)	CHARACTER	*	STLTEXTN	FAILING MODULE TEXT NAME

IKJEGSTL Cross Reference

Name	Hex Offset	Hex Value
IKJEGSTL	0	
STLABENT	C	
STLCSCTN	14	
STLENTTRY	10	
STLEPTN	24	
STLID	0	
STLINSL	3C	
STLINSRT	3C	
STLINSX	3E	
STLLEVEL	2C	
STLLOADN	1C	
STLRETRY	8	
STLTEXTN	40	

IKJEGSVB Information

IKJEGSVB Heading Information

Common Name: TEST SVC Information Block
Macro ID: IKJEGSVB
DSECT Name: SVB
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGSVB
 Offset: -8
 Length: 8
Storage Attributes: Main Storage: N/A
 Virtual Storage: N/A
 Auxiliary Storage: N/A
 Subpool: 255
 Key: 0
 Data Space: None
 Residency: Above 16MB
Size: 44 bytes
Created by: IGC0006A
Pointed to by: SVBBASEP
Serialization: Local lock
Function: This macro maps the SVC information block constructed by the TEST SVC (SVC 61) and referenced by the TSO/TEST command processor. SVBs are searched in an attempt to resolve a symbol, entry name, or offset belonging to a load module of the problem program.

IKJEGSVB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	44	IKJEGSVB	
Comment					
A-000000-999999					
End of Comment					
0	(0)	CHARACTER	8	SVBLDNAM	EBCDIC LOAD NAME OF MODULE.
8	(8)	ADDRESS	4	SVBEP	ADDRESS AT WHICH MODULE IS FETCHED.
12	(C)	ADDRESS	4	SVBTTR	TTR OF PDS MEMBER FOR MODULE.
12	(C)	CHARACTER	3	SVBBTTR	BEGINNING TTR.
15	(F)	UNSIGNED	1	SVBCONCT	CONCATENATION NUMBER.
16	(10)	BITSTRING	1	SVBATTR1	BYTE 1 OF MODULE ATTRIBUTES.
		1...		SVBRENT	REENTERABLE.
		.1...		SVBREUS	REUSABLE.
		..1.		SVBOVLY	OVERLAY.
		...1		SVBTEST	MODULE IS TO BE TESTED.
		.... 1...		SVBOL	ONLY LOADABLE.
		.... .1..		SVBSCTR	SCATTER FORMAT.
		.... ..1.		SVBEXEC	EXECUTABLE.
		.... ...1		SVB1BLK	MODULE HAS NO RLD AND ONLY ONE TEXT BLOCK.
17	(11)	BITSTRING	1	SVBATTR2	BYTE 2 OF MODULE ATTRIBUTES.
		1...		SVBLKEDF	MODULE CAN BE PROCESSED BY LINKAGE EDITOR F ONLY.
		.1...		SVBTEXT0	FIRST TEXT BLOCK ORIGIN IS ZERO.
		..1.		SVBEP0	ENTRY POINT IS ZERO.
		...1		SVBNORLD	MODULE CONTAINS NO RLD ITEMS.

IKJEGSVB Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		SVBNOLE	MODULE CAN NOT BE REPROCESSED BY LINKAGE EDITOR.
		.... .1..		SVBSYM	MODULE CONTAINS SYMBOL CARDS.
		.... ..1.		SVBLEVF	MODULE CREATED BY LINKAGE EDITOR F. REFRESHABLE.
		.... ...1		SVBREFR	REFRESHABLE.
18	(12)	BITSTRING	1	SVBFLGS1	BYTE 1 OF FLAGS.
		1...		SVBDDNME	DDNAME IS PRESENT.
		.1..		SVBLNKLB	DATA SET IS LINKLIB.
		..1.		SVBBINDR	DFP Binder service must be used to access the PDSE info
19	(13)	UNSIGNED	1	SVBCNCAT	CONCATENATION NUMBER.
20	(14)	CHARACTER	8	SVBDDNAM	DDNAME OF DATA SET FROM WHICH MODULE IS FETCHED.
28	(1C)	ADDRESS	4	SVBTCBPT	TCB ADDRESS FOR MODULE BEING FETCHED.
32	(20)	ADDRESS	4	SVBLNKPT	ADDRESS OF NEXT SVC INFORMATION BLOCK, OR ZERO IF NO OTHER BLOCKS EXIST.
36	(24)	CHARACTER	8	SVBPDSE	PDSE CREATEW/DELETEW Token

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	*	SVB	NAME FOR ENTIRE SVB.
0	(0)	CHARACTER	8	SVBPREF	SVB PREFIX.
0	(0)	CHARACTER	8	SVBID	SVB IDENTIFIER 'IKJEGSVB'.
8	(8)	CHARACTER	44	*	MAIN PART SVB.

IKJEGSVB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
IKJEGSVB	0		SVB1BLK	10	01
SVB	0				
SVBATTR1	10				
SVBATTR2	11				
SVBBINDR	12	20			
SVBBTTR	C				
SVBCNCAT	13				
SVBCONCT	F				
SVBDDNAM	14				
SVBDDNME	12	80			
SVBEP	8				
SVBEP0	11	20			
SVBEXEC	10	02			
SVBFLGS1	12				
SVBID	0				
SVBLDNAM	0				
SVBLEVF	11	02			
SVBLKEDF	11	80			
SVBLNKLB	12	40			
SVBLNKPT	20				
SVBNOLE	11	08			
SVBNORLD	11	10			
SVBOL	10	08			
SVBOVLY	10	20			
SVBPDSE	24				
SVBPREF	0				
SVBREFR	11	01			
SVBRENT	10	80			
SVBREUS	10	40			
SVBSCTR	10	04			
SVBSYM	11	04			
SVBTCBPT	1C				
SVBTEST	10	10			
SVBTEXT0	11	40			
SVBTTR	C				

IKJEGSVQ Information

IKJEGSVQ Heading Information

Common Name: SVC Information Block Queue Element
Macro ID: IKJEGSVQ
DSECT Name: IKJEGSVQ, SVQ
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJEGSVQ
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 255
 Key: 0
Size: IKJEGSVQ - 12 bytes
 SVQ - 20 bytes
Created by: IGC0006A (SVC 61)
Pointed to by: TABSINPT field of the TABLK and
 TSTTRN field of the TCOMTAB
Serialization: Local lock
Function: IKJEGSVQ maps the SVC information block queue element
 constructed by the SVC 61 routine and referenced by
 the TSO/E TEST command processor.

IKJEGSVQ Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	12	IKJEGSVQ	
Comment					
THIS MACRO MAPS THE SVC INFORMATION BLOCK QUEUE ELEMENT CONSTRUCTED BY THE TEST SVC (SVC 61) AND REFERENCED BY THE TSO/TEST COMMAND PROCESSOR. STATUS -- JBB2115 TSO/E FOR MVS/XA 01/01/82 COPYRIGHT -- 5685-025 COPYRIGHT (C) IBM CORP 1982, LICENSED MATERIAL - PROGRAM PROPERTY OF IBM REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083. CHANGE ACTIVITY -- E2115KR - JBB2115 TSO/E FOR MVS/XA A-000000-999999					
End of Comment					
0	(0)	ADDRESS	4	SVQLNKPT	ADDRESS OF NEXT SVC INFORMATION BLOCK QUEUE ELEMENT, OR ZERO IF NO OTHER QUEUE ELEMENTS EXIST.
4	(4)	ADDRESS	4	SVQTCBPT	ADDRESS OF TCB FOR WHICH THIS QUEUE ELEMENT EXISTS.
8	(8)	ADDRESS	4	SVQBLKPT	ADDRESS OF THE QUEUE OF SVC INFORMATION BLOCKS FOR THIS TCB.
Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	*	SVQ	NAME FOR ENTIRE SVQ
0	(0)	CHARACTER	8	SVQPREF	SVQ PREFIX
0	(0)	CHARACTER	8	SVQID	SVQ IDENTIFIER 'IKJEGSVQ'
8	(8)	CHARACTER	12	*	MAIN PART OF SVQ

IKJEXTAB Information

IKJEXTAB Heading Information

Common Name: TSO/E Exits and Tables Vector
Macro ID: IKJEXTAB
DSECT Name: EXTAB_VECT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: EXTV
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: One per system
 Virtual Storage: Common
 Auxiliary Storage: No
 Subpool: 241
 Key: 0
 Residency: Above 16M line
Size: Variable
Created by: IKJEFXSR
Pointed to by: TSVTETVP
Serialization: None
Function: IKJEXTAB maps the system or local user's copy of the names of the exits and tables and the flags indicating their location in storage.

IKJEXTAB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	EXTAB_VECT	
0	(0)	CHARACTER	16	EXTV_HEADER	Header information
0	(0)	CHARACTER	4	EXTV_ID	Identifier
4	(4)	UNSIGNED	1	EXTV_VERS	Version number
5	(5)	UNSIGNED	3	*	Reserved
8	(8)	UNSIGNED	4	EXTV_LEN	Length of the vector
12	(C)	UNSIGNED	4	EXTV_ENTRY#	Number of entries
16	(10)	CHARACTER	16	EXTV_ENT (*)	Entry definition
16	(10)	CHARACTER	8	EXTV_ENT_NAME	Name of exit/table
24	(18)	CHARACTER	4	EXTV_ENT_FLAGS	Flags for the entry
24	(18)	CHARACTER	1	EXTV_FLAG1	Flags to indicate load module location
		1...		EXTV_FLAG1_LPA	Found in LPA/ELPA
		.1..		EXTV_FLAG1_LNKLST	Found in Link list
		..1.		EXTV_FLAG1_STEPLIB	Found in Steplib
		...1 1111		*	Reserved
25	(19)	CHARACTER	3	*	Reserved
28	(1C)	ADDRESS	4	EXTV_LOAD_ADDR	Load module address from LPA

IKJEXTAB Constants • IKJEXTAB Cross Reference

IKJEXTAB Constants

Len	Type	Value	Name	Description
Comment				
The following fields are constants that can be used to set RTR0ID and RTR0VERS.				
End of Comment				
4	CHARACTER	EXTV	EXTVEID	EXTV ACRONYM CONSTANT
1	DECIMAL	1	EXTVEVER	EXTV VERSION NUMBER

IKJEXTAB Cross Reference

Name	Hex Offset	Hex Value
EXTAB_VECT	0	
EXTV_ENT	10	
EXTV_ENT_FLAGS	18	
EXTV_ENT_NAME	10	
EXTV_ENTRY#	C	
EXTV_FLAG1	18	
EXTV_FLAG1_LNKLST	18	40
EXTV_FLAG1_LPA	18	80
EXTV_FLAG1_STEPLIB	18	20
EXTV_HEADER	0	
EXTV_ID	0	
EXTV_LEN	8	
EXTV_LOAD_ADDR	1C	
EXTV_VERS	4	

IKJPPE Information

IKJPPE Programming Interface information

Programming Interface information

IKJPPE

End of Programming Interface information

IKJPPE Heading Information • IKJPPE Constants

IKJPPE Heading Information

Common Name: Parse Parameter Element
Macro ID: IKJPPE
DSECT Name: PPE
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: PPE
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
Size: 20 bytes
Created by: IKJEFP00
Pointed to by: Verify exit parameter list passed to the verify exit
Serialization: None
Function: The Parse Parameter Element is built by parse and the passed to the verify exit specified by the command processor using the IKJUNFLD macro. The PPE describes the operand or subfield operand currently being processed.

IKJPPE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	20	PPE	
0	(0)	CHARACTER	4	PPEID	IDENTIFIER 'PPE '
4	(4)	SIGNED	2	PPEVERS	VERSION NUMBER
6	(6)	SIGNED	2	PPELEN	LENGTH OF THE PPE
8	(8)	ADDRESS	4	PPEOPER	PTR TO THE OPERAND
12	(C)	ADDRESS	4	PPEVEXIT	VERIFY EXIT ADDRESS
16	(10)	SIGNED	2	PPEOPLN	LENGTH OF THE OPERAND
18	(12)	CHARACTER	1	PPEFLAGS	FLAG BYTE
		1...		PPELST	CURRENT OPERAND IS IN A LIST
		.1..		PPENDLST	LAST OPERAND WAS LAST IN LIST
		..1.		PPENDOP	LAST OPERAND WAS THE LAST ONE
		...1		PPENWLST	BEGIN A NEW SUBLIST
		.... 1...		PPEEXTQS	PARM IS A EXT QSTRING
		.... .111		PPERSVD1	RESERVED
19	(13)	CHARACTER	1	PPERSVD2	RESERVED

IKJPPE Constants

Len	Type	Value	Name	Description
4	CHARACTER	PPE	PPECID	IDENTIFIER
2	DECIMAL		PPECVER	CURRENT VERSION NUM

IKJPPE Cross Reference

Name	Hex Offset	Hex Value
PPE	0	
PPEEXTQS	12	08
PPEFLAGS	12	
PPEID	0	
PPELEN	6	
PPELST	12	80
PPENDLST	12	40
PPENDOP	12	20
PPENWLST	12	10
PPEOPER	8	
PPEOPLN	10	
PPERSVD1	12	07
PPERSVD2	13	
PPEVERS	4	
PPEVEXIT	C	

IKJTABLK Information

IKJTABLK Heading Information

Common Name: Test Address Block
Macro ID: IKJTABLK
DSECT Name: IKJTABLK, TAB
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: IKJTABLK
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 255
 Key: 0
Size: IKJTABLK - 36 bytes
 TAB - 44 bytes
Created by: IGC0009G (SVC 97)
Pointed to by: LWATEST field of the LWA
Serialization: None
Function: This DSECT maps the test address block which is used to protect certain addresses and flags from Key 8 programs.

IKJTABLK Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	36	IKJTABLK	TEST ADDRESS BLOCK	
0	(0)	ADDRESS	4	TABSINPT	POINTER TO SVC INFORMATION ON BLOCK	
4	(4)	ADDRESS	4	TABECBT	QUEUE ELEMENT (SVQ)	
8	(8)	ADDRESS	4	TABTSTCB	POINTER TO TEST ECB	
12	(C)	ADDRESS	4	TABTCOM	POINTER TO TCOMTAB	
16	(10)	BITSTRING	1	TABFLAG1	1ST FLAG BYTE	
		1...		TABSV CAB	ABEND INDICATOR FOR MAINLINE	
		.1..		TABMSG S	MESSAGE INDICATOR FOR MAINLINE	
		..11 1111		*	RESERVED	
17	(11)	BITSTRING	1	TABFLAG2	2ND FLAG BYTE (RESERVED)	
18	(12)	BITSTRING	1	TABFLAG3	3RD FLAG BYTE (RESERVED)	
19	(13)	BITSTRING	1	TABFLAG4	4TH FLAG BYTE (RESERVED)	
20	(14)	ADDRESS	4	TABSV C61	FOR USE BY SVC61 ONLY	
24	(18)	ADDRESS	4	TABSV C97	FOR USE BY SVC 97 ONLY	
28	(1C)	ADDRESS	4	TABRSVD1	RESERVED WORD	
32	(20)	ADDRESS	4	TABRSVD2	RESERVED WORD	

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	*	TAB	NAME FOR ENTIRE TEST ADDRESS BLOCK	
0	(0)	CHARACTER	8	TABPREF	TABLK PREFIX	
0	(0)	CHARACTER	8	TABID	TABLK ID: 'IKJTABLK'	
8	(8)	CHARACTER	36	*	TABLK PROPER	

IKJTABLK Cross Reference

IKJTABLK Cross Reference

Name	Hex Offset	Hex Value
IKJTABLK	0	
TAB	0	
TABECBT	4	
TABFLAG1	10	
TABFLAG2	11	
TABFLAG3	12	
TABFLAG4	13	
TABID	0	
TABMSG	10	40
TABPREF	0	
TABRSVD1	1C	
TABRSVD2	20	
TABSINPT	0	
TABSVCAB	10	80
TABSVC61	14	
TABSVC97	18	
TABTCOM	C	
TABTSTCB	8	

IKJTBMLP Information

IKJTBMLP Heading Information

Common Name: Logon Address Table
Macro ID: IKJTBMLP
DSECT Name: LOGONADD
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: IKJEFTBL
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 252
 Key: 0
Size: 56 bytes
Created by: IKJEFLA
Pointed to by: TSVTLTBL field of the TSVT
Serialization: None
Function: This macro maps the LOGON address table, IKJEFTBL.

IKJTBMLP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	LOGONADD	
0	(0)	CHARACTER	16	*	
0	(0)	CHARACTER	8	LGLG	ACRONYM IN EBCIDIC "IKJEFTBL"
8	(8)	CHARACTER	8	LGREL	LG RELEASE
16	(10)	ADDRESS	4	LGEFLIO	LOGON UADS I/O ROUTINE ADDR-IKJEFLIO
20	(14)	ADDRESS	4	LGEFLD	LOGON INSTALLATION EXIT ADDR-IKJEFLD
24	(18)	ADDRESS	4	LGLOGFF	EXTENDED LOGOFF ROUTINE ADDR-IKTLOGFF
28	(1C)	ADDRESS	4	LGLOGR	LOGON RECONNECT ROUTINE ADDR-IKTLOGR
32	(20)	ADDRESS	4	LGXINIT	VTIOC INITIALIZATION ADDR -IKTXINIT
36	(24)	ADDRESS	4	LGXLOG	EXTENDED LOGON ROUTINE -IKTXLOG
40	(28)	ADDRESS	4	LGEFLP1	LOGON LIMITS CSECT ADDR -IKJEFLP1
44	(2C)	ADDRESS	4	LGRSV2	RESERVED
48	(30)	ADDRESS	4	LGRSV3	RESERVED

IKJTBMLP Cross Reference

Name	Hex Offset	Hex Value
LGEFLD	14	
LGEFLIO	10	
LGEFLP1	28	
LGLG	0	
LGLOGFF	18	
LGLOGR	1C	
LGREL	8	
LGRSV2	2C	
LGRSV3	30	
LGXINIT	20	
LGXLOG	24	
LOGONADD	0	

IKJTLS Information

IKJTLS Heading Information

Common Name: TSO/E Table Look Up Service Parameter Mapping
Macro ID: IKJTLS
DSECT Name: IKJTLS, TLS, TLSPARM
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
Size: TLS - 24 bytes
 TLSPARM - 16 bytes
Created by: Caller to Table Look Up Service
Pointed to by: R1 on entry to the Table Look Up Service
Serialization: None
Function: Maps the Table Look Up Service parameters.

IKJTLS Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0		
0	(0)	DBL WORD	8	TLS (0)	BEGIN TLS ON DOUBLE WORD BDY
0	(0)	CHARACTER	8	TLSTAB	TABLE TO SEARCH
8	(8)	CHARACTER	8	TLSCMD	COMMAND OR PROGRAM TO SEARCH FOR
16	(10)	SIGNED	4	TLTABND	ABEND CODE IF SERVICE FAILS
20	(14)	SIGNED	4	TLSPREAS	ABEND REASON CODE IF SERVICE FAILS
24	(18)	DBL WORD	8	TLSEND (0)	ASSURE TLS ENDS ON DOUBLE WORD BOUNDARY
24	(18)	DBL WORD	8	TLSPARM (0)	BEGIN PARAMETERS ON DOUBLE WORD BOUNDARY
24	(18)	ADDRESS	4	TLSPTAB	ADDRESS OF TABLE TO SEARCH
28	(1C)	ADDRESS	4	TLSPCMD	ADDRESS OF COMMAND OR PROGRAM TO SEARCH FOR
32	(20)	ADDRESS	4	TLSPABND	ADDRESS OF ABEND CODE
36	(24)	ADDRESS	4	TLSPREAS	ADDRESS OF ABEND REASON CODE
40	(28)	DBL WORD	8	TLSPEND (0)	ASSURE TLSPARM ENDS ON DOUBLE WORD BOUNDARY

Comment

The following declarations define the return codes from the Table Look Up Service
 0 - Command or program was found in the specified table
 4 - Command or program was not found in the specified table
 8 - Specified table was not found
 20 - Error encountered while processing

End of Comment

40	(28)	X'0'	0	TLSPARM	"0" COMMAND OR PROGRAM FOUND
40	(28)	X'4'	0	TLSCNOTF	"4" COMMAND OR PROGRAM NOT FOUND
40	(28)	X'8'	0	TLSTNOTF	"8" TABLE NOT FOUND
40	(28)	X'14'	0	TLSPERR	"20" ERROR ENCOUNTERED WHILE PROCESSING

IKJTLS Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
<p>The following declarations define the four valid table names</p> <p>AUTHCMD - AUTHCMD - Authorized Command Table (IKJEFTE2)</p> <p>AUTHPGM - AUTHPGM - Authorized Program Table (IKJEFTE8)</p> <p>AUTHTSF - AUTHTSF - Authorized programs supported through the TSO Service Facility (IKJEFTAP)</p> <p>NOTBKGND - NOTBKGND- Commands not supported in the background (IKJEFTNS)</p>					
End of Comment					
40	(28)	CHARACTER	8	AUTHCMD	
48	(30)	CHARACTER	8	AUTHPGM	
56	(38)	CHARACTER	8	AUTHTSF	
64	(40)	CHARACTER	8	NOTBKGND	

IKJTLS Cross Reference

Name	Hex Offset	Hex Value
AUTHCMD	28	C1E4E3C8
AUTHPGM	30	C1E4E3C8
AUTHTSF	38	C1E4E3C8
NOTBKGND	40	D5D6E3C2
TLS	0	
TLSABND	10	
TLSCMD	8	
TLSCNOTF	28	4
TSEND	18	
TLSEERR	28	14
TLSEOK	28	0
TLSPABND	20	
TLSPARM	18	
TLSPCMD	1C	
TLSPEND	28	
TLSPREAS	24	
TLSPTAB	18	
TLSPREAS	14	
TLSTAB	0	
TLSTNOTF	28	8

IKJTPVT Information

IKJTPVT Heading Information

Common Name: TSO/E Parameters Vector Table
Macro ID: IKJTPVT
DSECT Name: TPVT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: TPVT
 Offset: 0
 Length: 4
Storage Attributes: Main Storage: One per system
 Virtual Storage: Common
 Auxiliary Storage: No
 Subpool: 241
 Key: 0
 Residency: Above 16M line
Size: 220 bytes
Created by: IKJPRM03
Pointed to by: TSVTTPVT field of the TSVT
Serialization: Parmlib ENQ
Function: IKJTPVT maps the TSO Parameters Vector Table.
 The table has pointers to control blocks which contain the data determined by the customization of the TSO/E environment for this IPL.

IKJTPVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	220	TPVT	TSO Parameters Vector Table
0	(0)	CHARACTER	20	TPVT_GEN_INFO	general information
0	(0)	CHARACTER	4	TPVT_ID	"TPVT" identifier
4	(4)	UNSIGNED	2	TPVT_LEN	Length of TPVT
6	(6)	UNSIGNED	1	TPVT_VERS	Version number
7	(7)	UNSIGNED	1	*	Reserved
8	(8)	CHARACTER	8	TPVT_MEM	PARMLIB member name
8	(8)	CHARACTER	6	TPVT_PREF	PARMLIB member name prefix
14	(E)	CHARACTER	2	TPVT_SUFX	PARMLIB member name suffix
16	(10)	UNSIGNED	4	TPVT_GEN	PARMLIB generation number
20	(14)	CHARACTER	56	TPVT_ADDRESSES	Pointers ..
20	(14)	ADDRESS	4	TPVTCTLT	Command tables locators
24	(18)	UNSIGNED	4	TPVTCTLT_LEN	Command tables locators len
28	(1C)	ADDRESS	4	*	Reserved
32	(20)	ADDRESS	4	TPVT_SEND	SEND Control Block address
36	(24)	ADDRESS	4	TPVT_ALPL	ALLOCATE Control Block address
40	(28)	ADDRESS	4	TPVT_TEST	TEST Control Block address
44	(2C)	ADDRESS	4	TPVT_XPRMD	TRANSREC Control Block address
48	(30)	ADDRESS	4	TPVT_CONSOLE	CONSOLE control block address
52	(34)	ADDRESS	4	TPVT_FCVEC	Platform Command control block address
56	(38)	UNSIGNED	4	*	Reserved
60	(3C)	ADDRESS	4	TPVT_HELP	HELP control block address
64	(40)	ADDRESS	4	TPVT_PPVEC	Platform Program control block address
68	(44)	UNSIGNED	4	*	Reserved
72	(48)	UNSIGNED	4	*	Reserved
76	(4C)	CHARACTER	4	TPVT_LOCAL_INFO	Data that should not be sent on PARMLIB UPDATE ROUTE

IKJTPVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
76	(4C)	BITSTRING	1	TPVT_LOCAL_FLAGS0	Flag byte for PARMLIB UPDATE and LIST processing that must match TSVTFLG1 because a few parmlib modules map the full byte in their local storage or route it via JESXCF
		1111		*	Reserved in order to preserve bit order and location
		.... 1...		TPVT_PHRS	PASSPHRASE flag for internal PARMLIB processing
		.... .1..		TPVT_APPL	VERIFYAPPL flag for internal PARMLIB processing
		.... ..1.		TPVT_LGNH	LOGONHERE flag for internal PARMLIB processing
		.... ...1		*	Reserved for LOGON
77	(4D)	CHARACTER	3	*	Reserved
80	(50)	CHARACTER	140	TPVT_GEN_INFO2	general info part 2
80	(50)	CHARACTER	86	TPVT_COMP_FLD	used to compare a couple of fields
80	(50)	CHARACTER	44	TPVT_DSNAME	Dataset name containing the IKJTSOxx member
124	(7C)	CHARACTER	6	TPVT_VOLUME	Volume serial number
130	(82)	CHARACTER	2	*	Reserved
132	(84)	CHARACTER	8	TPVT_SYSNAM	Name of system that provided the PARMLIB data
140	(8C)	CHARACTER	8	TPVT_USERID	User ID of the person updating the PARMLIB control blocks
148	(94)	CHARACTER	8	TPVT_TIME	.. time hh:mm:ss
156	(9C)	CHARACTER	10	TPVT_DATE	.. date yyyy/mm/dd
166	(A6)	CHARACTER	18	TPVT_TOKEN	Token / timestamp / features
166	(A6)	CHARACTER	8	TPVT_CPUID	.. CPUID
174	(AE)	CHARACTER	8	TPVT_TTOD	.. time of day
182	(B6)	CHARACTER	2	TPVT_FEATURES	.. Feature flags
		1...		TPVT_DYNBROAD_AVAIL	ON if the Dynamic Broadcast PARMLIB feature is available
		.111 1111		*	Reserved
183	(B7)	UNSIGNED	1	TPVT_FEATURE_VERS	Feature number used to distinguish incompatible parmlib versions
184	(B8)	BITSTRING	2	TPVT_PARM_DFLT	PARMLIB defaults
		1...		TPVT_ALLOC_DFLT	ALLOC parm default
		.1..		TPVT_CONSOLE_DFLT	CONSOLE parm dflt
		..1.		TPVT_HELP_DFLT	HELP parm default
		...1		TPVT_SEND_DFLT	SEND parm default
		.... 1...		TPVT_TEST_DFLT	TEST parm default
		.... .1..		TPVT_TRANSREC_DFLT	TRANSREC parm dflt
		.... ..1.		TPVT_PLATCMD_DFLT	PLATCMD parm dflt
		.... ...1		TPVT_PLATPGM_DFLT	PLATPGM parm dflt
185	(B9)	1...		TPVT_AUTHCMD_DFLT	AUTHCMD parm dflt
		.1..		TPVT_AUTHPGM_DFLT	AUTHPGM parm dflt
		..1.		TPVT_AUTHTSF_DFLT	AUTHTSF parm dflt
		...1		TPVT_NOTBKGND_DFLT	NOTBKGND parm dflt
		.... 1...		TPVT_LOGON_DFLT	NOTBKGND parm dflt
		.... .111		*	reserved
186	(BA)	BITSTRING	1	TPVT_FLAGS0	Flag Byte

Offsets		Type/Value 1... ..	Len	Name (Dim) TPVT_PARMLIB_BADCMD	Description
Dec	Hex				
		.111 1111		*	Cmd in IKJTSOxx not valid
187	(BB)	CHARACTER	33	*	Reserved
220	(DC)	CHARACTER	0	*	Reserved End of control block

IKJTPVT Constants

Len	Type	Value	Name	Description
Comment				

The following constants define the storage descriptor and the version identifier for the TPVT.

End of Comment				
4	CHARACTER	TPVT	TPVT_EID	Identifier
1	DECIMAL		TPVT_CVERS	Version number
1	DECIMAL		TPVT_FEATURE_CVERS	Current parmlib feature version number that is incompatible with other levels: 0- z/OS V1R9 or lower 1- z/OS V1R10 only 2- z/OS V1R11 or higher
6	CHARACTER	IKJTSO	TPVT_PREFID	PREFIX IDENTIFIER

Comment				
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The following constants define the major and minor names for the various ENQs done by the PARMLIB routines.

End of Comment				
8	CHARACTER	SYSIKJPL	PARMLIB_MAJOR_NAME	Major name for Dynamic Parmlib ENQ
7	CHARACTER	IKJTPVT	PARMLIB_MINOR_NAME	Minor name for Dynamic Parmlib ENQ
8	CHARACTER	SYSZIKJP	AUTH_PARMLIB_MAJOR_NAME	Major name for Authorized Dynamic Parmlib ENQ
7	CHARACTER	IKJTPVT	AUTH_PARMLIB_MINOR_NAME	Minor name for Authorized Dynamic Parmlib ENQ
8	CHARACTER	IKJTABLE	AUTH_PARMLIB_TABLE_MINOR_NAME	Minor name for Authorized Dynamic Parmlib table ENQ

IKJTPVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TPVT	0		TPVT_CONSOLE_DFLT		
TPVT_ADDRESSES				B8	40
	14		TPVT_CPUID	A6	
TPVT_ALLOC_DFLT			TPVT_DATE	9C	
	B8	80	TPVT_DSNAME	50	
TPVT_ALPL	24		TPVT_DYNBROAD_AVAIL		
TPVT_APPL	4C	04		B6	80
TPVT_AUTHCMD_DFLT			TPVT_FCVEC	34	
	B9	80	TPVT_FEATURE_VERS		
TPVT_AUTHPGM_DFLT				B7	
	B9	40	TPVT_FEATURES		
TPVT_AUTHTSF_DFLT				B6	
	B9	20	TPVT_FLAGS0	BA	
TPVT_COMP_FLD			TPVT_GEN	10	
	50		TPVT_GEN_INFO		
TPVT_CONSOLE	30			0	

IKJTPVT Cross Reference

Name	Hex Offset	Hex Value
TPVT_GEN_INFO2	50	
TPVT_HELP	3C	
TPVT_HELP_DFLT	B8	20
TPVT_ID	0	
TPVT_LEN	4	
TPVT_LGNH	4C	02
TPVT_LOCAL_FLAGS0	4C	
TPVT_LOCAL_INFO	4C	
TPVT_LOGON_DFLT	B9	08
TPVT_MEM	8	
TPVT_NOTBKGND_DFLT	B9	10
TPVT_PARM_DFLT	B8	
TPVT_PARMLIB_BADCMD	BA	80
TPVT_PHRS	4C	08
TPVT_PLATCMD_DFLT	B8	02
TPVT_PLATPGM_DFLT	B8	01
TPVT_PPVEC	40	
TPVT_PREF	8	
TPVT_SEND	20	
TPVT_SEND_DFLT	B8	10
TPVT_SUFEX	E	
TPVT_SYSNAM	84	
TPVT_TEST	28	
TPVT_TEST_DFLT	B8	08
TPVT_TIME	94	
TPVT_TOKEN	A6	
TPVT_TRANSREC_DFLT	B8	04
TPVT_TTOD	AE	
TPVT_USERID	8C	
TPVT_VERS	6	
TPVT_VOLUME	7C	
TPVT_XPRMD	2C	
TPVTCTLT	14	
TPVTCTLT_LEN	18	

IKJVEPL Information

IKJVEPL Programming Interface information

Programming Interface information

IKJVEPL

End of Programming Interface information

IKJVEPL Heading Information • IKJVEPL Cross Reference

IKJVEPL Heading Information

Common Name: Verify Exit Parameter List
Macro ID: IKJVEPL
DSECT Name: VEPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: VEPL
 Offset: 0
 Length: 4
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
Size: 32 bytes
Created by: IKJEFP00
Pointed to by: Register 1 on entry to exit
Serialization: None
Function: The verify exit parameter list is built by parse then passed to the verify exit specified by the command processor using the IKJUNFLD macro. The VEPL contains information regarding current verify processing.

IKJVEPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	VEPL	
0	(0)	CHARACTER	4	VEPLID	IDENTIFIER
4	(4)	SIGNED	2	VEPLVERS	VERSION NUMBER
6	(6)	SIGNED	2	VEPLLEN	LENGTH OF THE VEPL
8	(8)	ADDRESS	4	VEPLPPE	PTR TO PPE
12	(C)	ADDRESS	4	VEPLWRKA	PTR TO USER SUPPLIED WORKAREA
16	(10)	ADDRESS	4	VEPLMSG1	PTR TO 1ST LEVEL MSG INSERT
20	(14)	SIGNED	2	VEPLM1LN	LENGTH OF 1ST LEVEL INSERT
22	(16)	CHARACTER	2	VEPLRSV1	RESERVED
24	(18)	ADDRESS	4	VEPLMSG2	PTR TO SECOND LEVEL MSG
28	(1C)	SIGNED	2	VEPLM2LN	LENGTH OF SECOND LEVEL MSG
30	(1E)	CHARACTER	2	VEPLRSV2	RESERVED

IKJVEPL Constants

Len	Type	Value	Name	Description
4	CHARACTER	VEPL	VEPLCID	IDENTIFIER
2	DECIMAL		VEPLCOVER	CURRENT VERSION NUM

IKJVEPL Cross Reference

Name	Hex Offset	Hex Value
VEPL	0	
VEPLID	0	
VEPLLEN	6	
VEPLMSG1	10	
VEPLMSG2	18	
VEPLM1LN	14	
VEPLM2LN	1C	
VEPLPPE	8	
VEPLRSV1	16	
VEPLRSV2	1E	
VEPLVERS	4	
VEPLWRKA	C	

IKJWHEN Information

IKJWHEN Heading Information

Common Name: WHEN Common Data Area
Macro ID: IKJWHEN
DSECT Name: IKJWHEN
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
 Key: 8
Size: 88 bytes
Created by: IKJEFE11
Pointed to by: WAPTR
Serialization: None
Function: The WHEN common data area, used only by the WHEN command, contains a register save area and other information used by the WHEN command processor and message module.

IKJWHEN Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	88	IKJWHEN	
0	(0)	CHARACTER	28	WHPL	GENERAL PARM LIST
28	(1C)	CHARACTER	20	WHPBLOCK	GENERAL PARM BLOCK
48	(30)	ADDRESS	4	WHPARANS	PTR TO PARSE DESCRIP LIST
52	(34)	CHARACTER	4	WHATTECB	SERV RTN ATTN RTN ECB
56	(38)	ADDRESS	2	WHMSG	MESSAGE OFFSETS
56	(38)	ADDRESS	1	WHMSG1	OFFSET FOR MESSAGE MODULE
57	(39)	ADDRESS	1	WHMSG2	SECONDARY MESSAGE INDEX
58	(3A)	BITSTRING	1	WHSWI	STATUS BYTE
		1...		WHEND	END COMMAND IN CONTROL
		.1..		WHRET	SET TMP RET CODE TO ERROR
		..1.		WHBYPASS	ON IF NO ERROR MSG SHOULD BE ISSUED AT WHEN EXIT TO TMP YM4908
59	(3B)	CHARACTER	1	WHCHAR	FIRST CHARACTER OF NEXT COMMAND IN CASE DELIMETER WAS OMITTED
60	(3C)	ADDRESS	4	WHENWAS	NOT USED
64	(40)	ADDRESS	4	WHRCODE	SERV RTN RETURN CODE
68	(44)	ADDRESS	4	WHCOMM	POINTER TO COMMAND TO BE ADDED TO INPUT STACK
72	(48)	CHARACTER	8	WHCMD	NAME OF COMMAND FOR MESSAGE MODULE
80	(50)	ADDRESS	4	WHGETM	GETMAIN SIZE AND SUBPOOL
80	(50)	ADDRESS	1	WHSUBP	SUBPOOL
81	(51)	ADDRESS	1	WHFILL	FILLER
82	(52)	ADDRESS	2	WHLEN	LENGTH
84	(54)	ADDRESS	4	WHWASIZ	WORK AREA SP AND SIZE

IKJWHEN Cross Reference

IKJWHEN Cross Reference

Name	Hex Offset	Hex Value
IKJWHEN	0	
WHATTECB	34	
WHBYPASS	3A	20
WHCHAR	3B	
WHCMD	48	
WHCOMM	44	
WHEND	3A	80
WHENWAS	3C	
WHFILL	51	
WHGETM	50	
WHLEN	52	
WHMSG	38	
WHMSG1	38	
WHMSG2	39	
WHPARANS	30	
WHPBLOCK	1C	
WHPL	0	
WHRCODE	40	
WHRET	3A	40
WHSUBP	50	
WHSWI	3A	
WHWASIZ	54	

INITTERM Information

INITTERM Programming Interface information

Programming Interface information

INITTERM

End of Programming Interface information

INITTERM Heading Information • INITTERM Map

INITTERM Heading Information

Common Name: Enhanced Connectivity Facility Initialization/Termination Area
Macro ID: INITTERM
DSECT Name: INITTERM
Owning Component: TSO/E MVSSERV (28507)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
 Residency: Below 16M line
Size: 32 bytes
Created by: CHSTSRI
Pointed to by: N/A
Serialization: None
Function: The INITTERM macro expands to map the Initialization Termination area passed as the first parameter to a server initialization/termination program.

INITTERM Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	0	INITTERM		
0	(0)	SIGNED	4	INTINIT		Initialization or Termination indicator. Will be set to either constant "INITIAL" or "TERM" to indicate initialization or termination respectively.
4	(4)	SIGNED	4	INTWALEN		Length of a workarea. This field together with the INTWAPTR field, describes an area that can be used at termination time for the server exit to free any resources (storage, files, locks, etc.) that were obtained. The server exit, at initialization time, may place a value in this field. That value is not processed by the Enhanced Connectivity Facility manager. When the exit returns to Enhanced Connectivity Facility at initialization time the value in this field is remembered and presented to the exit in the same field at termination time.
8	(8)	SIGNED	4	INTWAPTR		Address of a workarea. This field together with the INTWALEN field, describes an area that can be used at termination time for the server exit to free any resources (storage, files, locks, etc.) that were obtained. The server exit, at initialization time, may place a value in this field. That value is not processed by the Enhanced Connectivity Facility manager. When the exit returns to Enhanced Connectivity Facility at initialization time the value in this field is remembered and presented to the exit in the same field at termination time.
12	(C)	CHARACTER	8	INTSNAME		The name of the last server to send a reply. The init/term program can examine this field, along with INTRSN, to determine if the last reply sent was successfully received by the requesting Enhanced Connectivity Facility
20	(14)	SIGNED	4	INTRSN		The status of the last reply. The init/term program can examine this field, along with INTSNAME, to determine if the last reply sent was successfully received by the requesting Enhanced Connectivity Facility.
24	(18)	SIGNED	4			Reserved for future use.
28	(1C)	SIGNED	4	INTENVRN		Address of the TSO CPPL.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
Define constants used to set the "INTINIT" field:					
End of Comment					
28	(1C)	X'0'	0	INITIAL	"0" Indicates to the init/term program that it should perform initialization.
28	(1C)	X'1'	0	TERM	"1" Indicates to the init/term program that it should perform termination.
Comment					
Define constants used to set the "INTRSN" field:					
End of Comment					
28	(1C)	X'0'	0	INTSUCC	"0" The reply was successfully received by the requesting Enhanced Connectivity Facility.
28	(1C)	X'4'	0	INTDOUBT	"4" The reply may not have been successfully received by the requesting Enhanced Connectivity Facility
28	(1C)	X'8'	0	INTUNSUC	"8" The reply was not successfully received by the requesting Enhanced Connectivity Facility.
28	(1C)	X'A'	0	INTBOUND	"10" The reply was not successfully received by the requesting Enhanced Connectivity Facility because the server violated a protocol boundary.

INITTERM Cross Reference

Name	Hex Offset	Hex Value
INITIAL	1C	0
INITTERM	0	
INTBOUND	1C	A
INTDOUBT	1C	4
INTENVRN	1C	
INTINIT	0	
INTRSN	14	
INTSNAME	C	
INTSUCC	1C	0
INTUNSUC	1C	8
INTWALEN	4	
INTWAPTR	8	
TERM	1C	1

INMTEXTU Information

INMTEXTU Programming Interface information

Programming Interface information

INMTEXTU

End of Programming Interface information

INMTEXTU Heading Information • INMTEXTU Map

INMTEXTU Heading Information

Common Name: TRANSMIT/RECEIVE Network Record Text Units
Macro ID: INMTEXTU
DSECT Name: INMTEXTU
Owning Component: TSO/E TRANSMIT/RECEIVE (28504)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: Variable
Created by: INMRNTFY, INMRO, INMXM, INMXO, INMXZ
Pointed to by: N/A
Serialization: None
Function: Maps TRANSMIT/RECEIVE Network Record Text Units.

INMTEXTU Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	INMTEXTU	
Comment					
KEYS FOR NETWORK USER IDENTIFICATION (INMR01 RECORD)					
End of Comment					
0	(0)	BITSTRING	0	INMTNODE	"X'1001" TARGET NODE NAME
0	(0)	BITSTRING	0	INMTUID	"X'1002" TARGET USERID
0	(0)	BITSTRING	0	INMFNODE	"X'1011" ORIGIN NODE NAME
0	(0)	BITSTRING	0	INMFUID	"X'1012" ORIGIN NODE NAME
0	(0)	BITSTRING	0	INMFVERS	"X'1023" ORIGIN VERSION NUMBER
0	(0)	BITSTRING	0	INMFTIME	"X'1024" ORIGIN TIME STAMP
0	(0)	BITSTRING	0	INMTTIME	"X'1025" DESTINATION TIME STAMP
0	(0)	BITSTRING	0	INMNUMF	"X'102F" NUMBER OF FILES IN TRANSMISSION
Comment					
KEYS FOR GENERAL CONTROL					
End of Comment					
0	(0)	BITSTRING	0	INMFACK	"X'1026" ACKNOWLEDGEMENT REQUEST
0	(0)	BITSTRING	0	INMERRCD	"X'1027" RECEIVE ERROR CODE
0	(0)	BITSTRING	0	INMUTILN	"X'1028" NAME OF UTILITY PROGRAM
0	(0)	BITSTRING	0	INMUSERP	"X'1029" USER PARAMETER STRING
0	(0)	BITSTRING	0	INMRECCT	"X'102A" TRANSMITTED RECORD COUNT
Comment					
KEYS FOR DATASET IDENTIFICATION (INMR02, INMR03 RECORDS)					
End of Comment					
		.... ..1		INMDDNAM	"X'0001" DDNAME FOR FILE
		.... ..1.		INMDSNAM	"X'0002" DATASET NAME FOR FILE
		.... ..11		INMEMBR	"X'0003" TRANSMITTED MEMBER LIST
		.... 1.11		INMSECND	"X'000B" SECONDARY SPACE QUANTITY
		.... 11..		INMDIR	"X'000C" DIRECTORY SPACE QUANTITY
		..1. ..1.		INMEXPDT	"X'0022" EXPIRATION DATE
		..1. 1..		INMTERM	"X'0028" TERMINAL ALLOCATION
		..11		INMBLKSZ	"X'0030" BLOCKSIZE
		..11 11..		INMDSORG	"X'003C" DATA SET ORGANIZATION
		..1.. ..1.		INMLRECL	"X'0042" LOGICAL RECORD LENGTH
		..1.. 1..1		INMRECFL	"X'0049" RECORD FORMAT
0	(0)	BITSTRING	0	INMLREF	"X'1020" LAST REFERENCE DATE
0	(0)	BITSTRING	0	INMLCHG	"X'1021" LAST CHANGE DATE

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	BITSTRING	0	INMCREAT	"X'1022'" CREATION DATE
0	(0)	BITSTRING	0	INMSIZE	"X'102C'" FILE SIZE IN BYTES
0	(0)	BITSTRING	0	INMTYPE	"X'8012'" DATA SET TYPE
0	(0)	BITSTRING	0	INMLSIZE	"X'8018'" FILE SIZE IN MBYTES
0	(0)	BITSTRING	0	INMEATTR	"X'8028'" EXTENDED ATTRIBUTES STATUS

INMTEXTU Cross Reference

Name	Hex Offset	Hex Value
INMBLKSZ	0	30
INMCREAT	0	1022
INMDDNAM	0	1
INMDIR	0	C
INMDSNAM	0	2
INMDSORG	0	3C
INMEATTR	0	8028
INMERRCD	0	1027
INMEXPDT	0	22
INMFACT	0	1026
INMFNODE	0	1011
INMFTIME	0	1024
INMFUID	0	1012
INMFVERS	0	1023
INMLCHG	0	1021
INMLRECL	0	42
INMLREF	0	1020
INMLSIZE	0	8018
INMEMBR	0	3
INMNUMF	0	102F
INMRECCT	0	102A
INMRECFM	0	49
INMSECND	0	B
INMSIZE	0	102C
INMTERM	0	28
INMTEXTU	0	
INMTNODE	0	1001
INMTTIME	0	1025
INMTUID	0	1002
INMTYPE	0	8012
INMUSERP	0	1029
INMUTILN	0	1028

INSTACK Information

INSTACK Heading Information

Common Name: TSO/E I/O Services Instorage Stack Element
Macro ID: IKJINSTK
DSECT Name: INSTACK
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 1
Size: 8 bytes
Created by: IKJEFT30
Pointed to by: IOSTELM field of the IOSRL
Serialization: None
Function: INSTACK maps an in-storage stack element, which defines a source of input to TSO/E I/O services.

INSTACK Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	8	INSTACK	
Comment					
INPUT STACK ELEMENT					
End of Comment					
0	(0)	BITSTRING	1	INSCODE	TYPE OF ELEMENT
		1...		INSDATA	DATASET/TERMINAL SRC
		1...		INSTERM	GETLINE PREFERS 'INSTERM'
		.1..		INSSTOR	STORAGE SOURCE
		..1.		INSINDD	INPUT DD PRES
		...1		INSOTDD	OUTPUT DD PRES
		.... 1..		INSEXEC	EXEC STACK
		.... .1..		INSPROM	PROMPTING ALLOWED
		.... ..1.		INSPROC	PROC ELEMENT
		.... ...1		INSLIST	LIST OPTION
1	(1)	ADDRESS	3	INSADLSD	POINTER TO LSD/IODSD
4	(4)	CHARACTER	4	FLAGWORD	FLAGS AND RESERVED FIELDS
4	(4)	BITSTRING	1	*	RESERVED FOR FUTURE USE.
5	(5)	1...		INSATTN	Attention has been hit
		.1..		INSBARR	INDICATES A STACK "BARRIER" ELEMENT.
		..1.		INSREXX	INDICATES A REXX EXEC ELEMENT
		...1		INSNONST	Indicates that CLIST and REXX elements stacked below this separator are not to be nested within CLIST and REXX elements that are stacked above this separator. This bit is also turned on for TERMIN elements.
5	(5)	BITSTRING	2	*	RESERVED

INSTACK Cross Reference

INSTACK Cross Reference

Name	Hex Offset	Hex Value
FLAGWORD	4	
INSADLSD	1	
INSATTN	5	80
INSBARR	5	40
INSCODE	0	
INSDATA	0	80
INSEXC	0	08
INSINDD	0	20
INSLIST	0	01
INSNONST	5	10
INSOTDD	0	10
INSPROC	0	02
INSPROM	0	04
INSREXX	5	20
INSSTOR	0	40
INSTACK	0	
INSTERM	0	80

IOD Information

IOD Heading Information

Common Name: CLIST and I/O Services I/O LAR Data Block
Macro ID: IKJCTIOD
DSECT Name: IOD
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
 Residency: Below 16M line
Size: 220 bytes
Created by: Callers of IKJCTIOR
Pointed to by: N/A
Serialization: None
Function: Describes information for the linkage assist routine (LAR).

IOD Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	220	IOD		
0	(0)	UNSIGNED	1	IODRTCDE	ROUTE CODE	
1	(1)	UNSIGNED	3	IODFLAGS	ASSORTED INFO FOR COMMUNICATION BETWEEN LAR AND CALLER	
		1...		IODEMPTY	ON WHEN 437 IS OPENING AN UNUSED DATASET	
		.1..		IODNOBUF	TURNUED ON IN BPAMEXIT IF BUFFERS CAN'T BE GETMAINED FOR READ	
		..1.		IODABRTN	ON = Return after an ABEND, or OFF = Percolate after an ABEND. Set ON by caller of IKJCTIOR if caller wants IKJCTIOR to return normally after any trapped ABEND. OFF indicates IKJCTIOR should percolate any ABEND, after first performing its own cleanup, to allow any higher level recovery to process the ABEND. This bit is meaningful only if IODWA_STOR_PTR is set to point at a CTIOR_WA_STOR recovery work area prior to calling IKJCTIOR.	
		...1		IODCLNXT	Set ON by caller of IKJCTIOR if an ABEND CLEANUP exit is being provided. IKJCTIOR will ignore any address in CLEANUP_EXIT_ADDR field of the CTIOR_WA_STOR unless this flag is also set.	
1	(1)	BITSTRING	2	*	Reserved	
4	(4)	ADDRESS	4	IODDCB	DCB ADDRESS	
8	(8)	ADDRESS	4	IODDECB	DECb ADDRESS	
12	(C)	ADDRESS	4	IODLFA	LIST FORM ADDRESS	
16	(10)	ADDRESS	4	IODBUF@	GENERIC BUFFER ADDRESS	
20	(14)	ADDRESS	4	IODBR@	TARGET FOR BRANCH TO DATA MGMT	
24	(18)	ADDRESS	4	IODCOM	@ OF SOME DYNAMIC STORAGE IN CT437 OR STACK	
28	(1C)	SIGNED	4	IODR0109	R0 FOR SVC(109)	
32	(20)	ADDRESS	4	IODWA	@ OF WORKAREA (WHEN NECESSARY), OR FOR GENERAL USE	
36	(24)	CHARACTER	72	IOLARSA	SAVEAREA FOR IKJCTIOR	
36	(24)	SIGNED	4	*		
40	(28)	ADDRESS	4	IOLARHSA		
108	(6C)	CHARACTER	12	SYNSAVE	SYNADEXIT SAVE SPACE	
120	(78)	CHARACTER	60	EXITSA	EXIT CODE SAVE AREA	
180	(B4)	CHARACTER	12	IODSYNPB	PUTLINE PARM BLOCK FOR SYNAD	

IOD Constants • IOD Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
192	(C0)	ADDRESS	4	IODT40@	POINTER TO IKJEFT40 ENTRY POINT FOR SYNAD EXIT. SET ONLY IN IKJCT437
196	(C4)	ADDRESS	4	IODT40S@	POINTER TO THE KEY 1 SAVE AREA FOR IKJEFT40 WHEN CALLED FROM SYNAD EXIT. SET ONLY IN IKJCT437
200	(C8)	ADDRESS	4	IODWA_STOR_PTR	Ptr to IKJCTIOR ESTAE Work Area. This area is used by IKJCTIOR to establish ESTAE recovery during IKJCTIOR processing. If used, the caller must set this field to ..the address of CTIOR_WA_STOR.. before calling IKJCTIOR. If 0, IKJCTIOR will not establish an ESTAE.
204	(CC)	ADDRESS	4	IODRESV1 (4294967300:553734688)	RESERVED AREA

IOD Constants

Len	Type	Value	Name	Description
Comment				
FOLLOWING ARE THE ROUTE CODES, ONE FOR EACH FUNCTION THE I/O LAR WILL PERFORM.				
End of Comment				
1	DECIMAL	0	OPCOPEN	ROUTING CODE FOR OPEN
1	DECIMAL	1	OPCFIND	ROUTING CODE FOR FIND
1	DECIMAL	2	OPCREAD	ROUTING CODE FOR READ
1	DECIMAL	3	OPCCHECK	ROUTING CODE FOR CHECK
1	DECIMAL	4	OPCGET	ROUTING CODE FOR GET
1	DECIMAL	5	OPCCLOSE	ROUTING CODE FOR CLOSE
1	DECIMAL	6	OPCFREEP	ROUTING CODE FOR FREEPOOL
1	DECIMAL	7	OPCPUT	ROUTING CODE FOR PUT
1	DECIMAL	8	OPCPUTX	ROUTING CODE FOR PUTX
1	DECIMAL	9	OPCOBTN	ROUTING CODE FOR OBTAIN
1	DECIMAL	10	OPCRDJFC	ROUTING CODE FOR RDJFCB
1	DECIMAL	11	OPCLOCAT	ROUTING CODE FOR LOCATE
1	DECIMAL	12	OPCOP109	ROUTING CODE FOR OPEN 109
1	DECIMAL	13	OPCCL109	ROUTING CODE FOR CLOSE 109
1	DECIMAL	14	OPCGET37	ROUTING CODE FOR GET CT437
1	DECIMAL	15	OPCPUT37	ROUTING CODE FOR PUT CT437
1	DECIMAL	16	OPCPTX37	ROUTING CODE FOR PUTX T437
1	DECIMAL	17	OPCOPT30	ROUTING CODE FOR STK OPEN
1	DECIMAL	18	OPCOPIN	ROUTING CODE FOR OPEN EXIT
1	DECIMAL	19	OPCSTKRD	ROUTING CODE FOR STK READ
1	DECIMAL	20	OPCOPXT3	ROUTING CODE FOR OPEN EXIT
1	DECIMAL	21	OPBLDL	ROUTING CODE FOR BLDL

IOD Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
EXITSA	78		IODRESV1	CC	
IOD	0		IODRTCDE	0	
IODABRTN	1	20	IODR0109	1C	
IODBR@	14		IODSYNPB	B4	
IODBUF@	10		IODT40@	C0	
IODCLNXT	1	10	IODT40S@	C4	
IODCOM	18		IODWA	20	
IODDCB	4		IODWA_STOR_PTR		
IODDECB	8			C8	
IODEEMPTY	1	80	IOLARHSA	28	
IODFLAGS	1		IOLARSA	24	
IODLFA	C		SYNSAVE	6C	
IODNOBUF	1	40			

IOPL Information

IOPL Programming Interface information

Programming Interface information

IOPL

End of Programming Interface information

IOPL Heading Information • IOPL Map

IOPL Heading Information

Common Name: TSO/E Input/Output Parameter List
Macro ID: IKJIOPL
DSECT Name: IOPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
Key: 1 or 8
Size: 16 bytes
Created by: Caller of I/O service routines
Pointed to by: Register 1
Serialization: None
Function: Parameter list for TSO/E I/O service routines.

IOPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	16	IOPL	
Comment					
THE I/O SERVICE ROUTINE PARAMETER LIST (IOPL) IS A LIST OF FULLWORD ADDRESSES PASSED BY THE INVOKER OF ANY I/O SERVICE ROUTINE TO THE APPROPRIATE SERVICE ROUTINE VIA REGISTER ONE.					
End of Comment					
0	(0)	ADDRESS	4	IOPLUPT	PTR TO UPT
4	(4)	ADDRESS	4	IOPLECT	PTR TO ECT
8	(8)	ADDRESS	4	IOPLECB	PTR TO USER'S ECB
12	(C)	ADDRESS	4	IOPLIOPB	PTR TO THE I/O SERVICE RTN PARM BLOCK

IRXARGTB Information

IRXARGTB Programming Interface information

Programming Interface information

IRXARGTB

End of Programming Interface information

IRXARGTB Heading Information • IRXARGTB Map

IRXARGTB Heading Information

Common Name: REXX Argument Table control block mapping
Macro ID: IRXARGTB
DSECT Name: ARGTABLE_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
Key: 8
Size: 8 bytes per ARGTABLE_ENTRY
Created by: EXEC command and other callers of IRXEXEC
Pointed to by: WORKEXT_ARGTABLE, Parm 2 to IRXEXEC, Parm 5 to EFPL (parameter list to external functions and subroutines)
Serialization: None
Function: The REXX Argument Table (ARGTABLE) contains information about arguments. It consists of ARGTABLE entries and an ARGTABLE end marker. For each argument string, there is an ARGTABLE entry containing the address and length of the argument string. The last ARGTABLE entry is followed by the ARGTABLE end marker. For more information, see z/OS TSO/E REXX Reference.

IRXARGTB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	8	ARGTABLE_ENTRY	REXX Argument Table Entry
0	(0)	ADDRESS	4	ARGTABLE_ARGSTRING_PTR	Address of the argument string
4	(4)	SIGNED	4	ARGTABLE_ARGSTRING_LENGTH	Length of the argument string
8	(8)	CHARACTER	0	ARGTABLE_NEXT	Next ARGTABLE entry

IRXCMPTB Information

IRXCMPTB Programming Interface information

Programming Interface information

IRXCMPTB

End of Programming Interface information

IRXCMPTB Heading Information • IRXCMPTB Map

IRXCMPTB Heading Information

Common Name: REXX Compiler Programming Table
Macro ID: IRXCMPTB
DSECT Name: COMPGMTB_HEADER, COMPGMTB_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 32 bytes for the COMPGMTB_HEADER plus
 56 bytes for each COMPGMTB_ENTRY
Created by: IRXCENV
Pointed to by: ENVBLOCK_COMPGMTB
Serialization: None
Function: The REXX Compiler Programming Table contains information about the compilers that are available in a REXX environment. It consists of a COMPGMTB header and COMPGMTB entries. The header contains information such as the address of the first COMPGMTB entry, the total number of entries, and the number of entries used. For each compiler, there is a COMPGMTB entry containing information such as the name of the compiler's language processor and its associated exits. The COMPGMTB header is pointed to by the ENVBLOCK_COMPGMTB field in the ENVBLOCK. For more information, see z/OS TSO/E Customization.

IRXCMPTB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	COMPGMTB_HEADER	REXX Compiler Programming Table Header
0	(0)	ADDRESS	4	COMPGMTB_FIRST	Address of the first COMPGMTB entry
4	(4)	SIGNED	4	COMPGMTB_TOTAL	Total number of COMPGMTB entries
8	(8)	SIGNED	4	COMPGMTB_USED	Number of used COMPGMTB entries
12	(C)	SIGNED	4	COMPGMTB_LENGTH	Length of each COMPGMTB entry
16	(10)	CHARACTER	8	*	Reserved
24	(18)	CHARACTER	8	COMPGMTB_FFFF	End marker - hex 'FFFFFFFFFFFFFFFF'

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	56	COMPGMTB_ENTRY	
0	(0)	CHARACTER	40	COMPGMTB_ENTRY_NAMES	
0	(0)	CHARACTER	8	COMPGMTB_RTPROC	Name of the Run Time Processor
8	(8)	CHARACTER	8	COMPGMTB_COMPINIT	Name of the Initialization Routine
16	(10)	CHARACTER	8	COMPGMTB_COMPTERM	Name of the Termination Routine
24	(18)	CHARACTER	8	COMPGMTB_COMPLOAD	Name of the Load Routine
32	(20)	CHARACTER	8	COMPGMTB_COMPVAR	Name of the Variable Handling Routine

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
40	(28)	SIGNED	4	COMPGMTB_STORAGE (4294967300:553725952)	Storage for use by the Run Time Processor Next COMPGMTB entry
56	(38)	CHARACTER	0	COMPGMTB_NEXT	

IRXCMPTB Cross Reference

Name	Hex Offset	Hex Value
COMPGMTB_COMPINIT	8	
COMPGMTB_COMPLOAD	18	
COMPGMTB_COMPTERM	10	
COMPGMTB_COMPVAR	20	
COMPGMTB_ENTRY	0	
COMPGMTB_ENTRY_NAMES	0	
COMPGMTB_FFFF	18	
COMPGMTB_FIRST	0	
COMPGMTB_HEADER	0	
COMPGMTB_LENGTH	C	
COMPGMTB_NEXT	38	
COMPGMTB_RTPROC	0	
COMPGMTB_STORAGE	28	
COMPGMTB_TOTAL	4	
COMPGMTB_USED	8	

IRXDSIB Information

IRXDSIB Programming Interface information

Programming Interface information

IRXDSIB

End of Programming Interface information

IRXDSIB Heading Information • IRXDSIB Map

IRXDSIB Heading Information

Common Name: REXX Data Set Information Block
Macro ID: IRXDSIB
DSECT Name: DSIB_INFO
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: IRXDSIB
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
Size: 56 bytes
Created by: IRXINOUT
Pointed to by: Parm 2 from the TSO/E REXX I/O Replaceable Routine
Serialization: None
Function: The REXX Data Set Information Block (DSIB) is used to map the information returned by the IO_ROUTINE when it is called for 'OPENR', 'OPENX', or 'OPENW'. It contains information about the data set allocated to the specified DD.

IRXDSIB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	56	DSIB_INFO	Rexx Data Set Information Block about a specified DD	
0	(0)	CHARACTER	8	DSIB_ID	The 'IRXDSIB ' identifier	
8	(8)	SIGNED	2	DSIB_LENGTH	Length of the DSIB_INFO control block	
10	(A)	SIGNED	2	*	Reserved	
12	(C)	CHARACTER	8	DSIB_DDNAME	Name of DD for which information is being returned	
20	(14)	BITSTRING	4	DSIB_FLAGS	Flag word	
20	(14)	BITSTRING	1	DSIB_VMASK1	Bit mask used to indicate which fields contain valid data	
		1...		DSIB_LRECL_FLAG	ON if LRECL field is set	
		.1..		DSIB_BLKSZ_FLAG	ON if BLKSZ field is set	
		..1.		DSIB_DSORG_FLAG	ON if DSORG field is set	
		...1		DSIB_RECFCM_FLAG	ON if RECFCM field is set	
		.... 1...		DSIB_GET_FLAG	ON if GET_CNT is set	
		.... .1..		DSIB_PUT_FLAG	ON if PUT_CNT is set	
		.... ..1.		DSIB_MODE_FLAG	ON if MODE field is set	
		.... ...1		DSIB_CC_FLAG	ON if CC field is set	
21	(15)	BITSTRING	1	DSIB_VMASK2	Bit mask used to indicate which fields contain valid data	
		1...		DSIB_TRC_FLAG	ON if TRC field is set	
		.111 1111		*	Reserved	
22	(16)	BITSTRING	2	*	Reserved	
24	(18)	CHARACTER	8	DSIB_DCB_INFO	DCB information - set at OPEN	
24	(18)	SIGNED	2	DSIB_LRECL	Data set LRECL	
26	(1A)	SIGNED	2	DSIB_BLKSZ	Data set BLKSIZE	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
28	(1C)	CHARACTER	2	DSIB_DSORG	Data Set Organization (DSORG) - '0200' = Data set is partitioned/ '0300' = partitioned unmoveable, '4000' = Data set is sequential/ '4100' = sequential unmoveable.
30	(1E)	CHARACTER	2	DSIB_RECFCM	Record Format Information ==> 'F' = Fixed record format, 'FB' = Fixed Blocked format, 'V' = Variable record format, 'VB' = Variable Blocked format 'VS' = Variable spanned record format 'VX' = Variable Blocked spanned (i.e. VBS) record format 'U' = Undefined record format
32	(20)	CHARACTER	8	DSIB_IO_COUNTS	I/O count against this DCB
32	(20)	SIGNED	4	DSIB_GET_CNT	Total number of records read (by 'GET' macro) for this DCB
36	(24)	SIGNED	4	DSIB_PUT_CNT	Total number of records written (by 'PUT' or 'PUTX') for this DCB
40	(28)	CHARACTER	1	DSIB_IO_MODE	Mode in which DCB was opened: 'R' = Open for 'READ' (uses GET macro), 'X' = Open for 'READX' (update uses GET / PUTX macros), 'W' = Open for 'WRITE' (uses PUT macro), 'L' = Open for Exec LOAD (uses 'READ' macro)
41	(29)	CHARACTER	1	DSIB_CC	Carriage control information: 'A' = ANSI carriage control, 'M' = Machine carriage control, ' ' = No carriage control
42	(2A)	CHARACTER	1	DSIB_TRC	3800 character set control information 'Y' = Character set control characters are present 'N' = Character set control characters are not present
43	(2B)	CHARACTER	1	*	Reserved
44	(2C)	SIGNED	4	* (4294967299:553760416)	Reserved words

IRXDSIB Constants

Len	Type	Value	Name	Description
Comment				
Declaration for the 'IRXDSIB ' Acronym Identifier				
End of Comment				
8	CHARACTER	IRXDSIB	IRXDSIB_ID	'IRXDSIB ' acronym identifier

IRXDSIB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
DSIB_BLK SZ	1A		DSIB_LENGTH	8	
DSIB_BLK SZ_FLAG			DSIB_LRECL	18	
	14	40	DSIB_LRECL_FLAG		
DSIB_CC	29			14	80
DSIB_CC_FLAG	14	01	DSIB_MODE_FLAG		
DSIB_DCB_INFO				14	02
	18		DSIB_PUT_CNT	24	
DSIB_DDNAME	C		DSIB_PUT_FLAG		
DSIB_DSORG	1C			14	04
DSIB_DSORG_FLAG			DSIB_RECFCM	1E	
	14	20	DSIB_RECFCM_FLAG		
DSIB_FLAGS	14			14	10
DSIB_GET_CNT	20		DSIB_TRC	2A	
DSIB_GET_FLAG			DSIB_TRC_FLAG		
	14	08		15	80
DSIB_ID	0		DSIB_VMASK1	14	
DSIB_INFO	0		DSIB_VMASK2	15	
DSIB_IO_COUNTS					
	20				
DSIB_IO_MODE	28				

IRXEFPL Information

IRXEFPL Programming Interface information

Programming Interface information

IRXEFPL

End of Programming Interface information

IRXEFPL Heading Information • IRXEFPL Map

IRXEFPL Heading Information

Common Name: REXX External Functions Parameter List
Macro ID: IRXEFPL
DSECT Name: EFPL
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
Key: 8
Size: 24 bytes
Created by: Function Search Routine
Pointed to by: Register 1
Serialization: None
Function: IRXEFPL defines the REXX External Functions parameter list.

IRXEFPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	EFPL	
0	(0)	ADDRESS	4	EFPLCOM	Reserved
4	(4)	ADDRESS	4	EFPLBARG	Reserved
8	(8)	ADDRESS	4	EFPLEARG	Reserved
12	(C)	ADDRESS	4	EFPLFB	Reserved
16	(10)	ADDRESS	4	EFPLARG	Pointer to arguments table
20	(14)	ADDRESS	4	EFPLEVAL	Pointer to address of EVALBLOCK

IRXENVB Information

IRXENVB Programming Interface information

Programming Interface information

IRXENVB

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

- ENVBLOCK_ERROR

End of Programming Interface information

IRXENVB Heading Information • IRXENVB Map

IRXENVB Heading Information

Common Name: REXX Environment Block
Macro ID: IRXENVB
DSECT Name: ENVBLOCK
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: ENVBLOCK
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
 Residency: Above 16M
Size: 320 bytes
Created by: IRXITPA
Pointed to by: Register 0, or by the ENVBLOCK parameter during calls to various REXX programming service routines and REXX replaceable routines.
Serialization: None
Function: The REXX Environment block (ENVBLOCK) contains information describing a REXX environment, and REXX execs in that environment. Included in the ENVBLOCK are pointers to the PARMBLOCK, WORKBLOK_EXT and IRXEXTE, as well as error information.

IRXENVB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	320	ENVBLOCK	REXX Environment Block
0	(0)	CHARACTER	8	ENVBLOCK_ID	ENVBLOCK identifier 'ENVBLOCK'
8	(8)	CHARACTER	4	ENVBLOCK_VERSION	Version number
12	(C)	SIGNED	4	ENVBLOCK_LENGTH	Length of ENVBLOCK
16	(10)	ADDRESS	4	ENVBLOCK_PARBLOCK	Address of the PARMBLOCK
20	(14)	ADDRESS	4	ENVBLOCK_USERFIELD	Address of the user field
24	(18)	ADDRESS	4	ENVBLOCK_WORKBLOK_EXT	Address of the current WORKBLOK_EXT
28	(1C)	ADDRESS	4	ENVBLOCK_IRXEXTE	Address of IRXEXTE
32	(20)	CHARACTER	256	ENVBLOCK_ERROR	Error information
32	(20)	ADDRESS	4	ERROR_CALL@	Address of the first caller
36	(24)	SIGNED	4	*	Reserved
40	(28)	CHARACTER	8	ERROR_MSGID	Message id used by the first caller
48	(30)	CHARACTER	80	PRIMARY_ERROR_MESSAGE	Primary error message
128	(80)	CHARACTER	160	ALTERNATE_ERROR_MSG	Alternate error message
288	(120)	ADDRESS	4	ENVBLOCK_COMPGMTB	Address of the Compiler Programming Table
292	(124)	ADDRESS	4	ENVBLOCK_ATTNROUT_PARMPTR	Address of a parameter passed to the user's ATTNROUT routine from the REXX attention routine. Used for communication between the user's ATTNROUT routine and the REXX attention routine.
296	(128)	ADDRESS	4	ENVBLOCK_ECTPTR	Address of the ECT under which an environment that is integrated with TSO/E is anchored.
300	(12C)	BITSTRING	4	ENVBLOCK_INFO_FLAGS	

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
300	(12C)	BITSTRING 1...	1	ENVBLOCK_INFO_FLAG1	Information flags
		.111 1111		ENVBLOCK_TERMA_CLEANUP	Information byte 1 Flag to indicate that that IRXTERMA is in control to FREE active execs and possibly to cleanup the ENVBLOCK itself
301	(12D)	BITSTRING	3	*	Reserved
304	(130)	SIGNED	4	ENVBLOCK_USS_REXX	Reserved
308	(134)	SIGNED	4	*(4294967299:0)	Word reserved for USS REXX Reserved

IRXENVB Cross Reference

Name	Hex Offset	Hex Value
ALTERNATE_ERROR_MSG	80	
ENVBLOCK	0	
ENVBLOCK_ATTNROUT_PARMPTR	124	
ENVBLOCK_COMPGMTB	120	
ENVBLOCK_ECTPTR	128	
ENVBLOCK_ERROR	20	
ENVBLOCK_ID	0	
ENVBLOCK_INFO_FLAGS	12C	
ENVBLOCK_INFO_FLAG1	12C	
ENVBLOCK_IRXEXTE	1C	
ENVBLOCK_LENGTH	C	
ENVBLOCK_PARBLOCK	10	
ENVBLOCK_TERMA_CLEANUP	12C	80
ENVBLOCK_USERFIELD	14	
ENVBLOCK_USS_REXX	130	
ENVBLOCK_VERSION	8	
ENVBLOCK_WORKBLOK_EXT	18	
ERROR_CALL@	20	
ERROR_MSGID	28	
PRIMARY_ERROR_MESSAGE	30	

IRXENVT Information

IRXENVT Heading Information

Common Name: REXX Environment Table
Macro ID: IRXENVT
DSECT Name: ENVTABLE_HEADER, ENVTABLE_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: IRXANCHR
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
Size: 32 bytes for ENVTABLE_HEADER plus 40 bytes per ENVTABLE_ENTRY
Created by: N/A
Pointed to by: N/A
Serialization: None
Function: The REXX Environment Table (ENVTABLE) contains information concerning all REXX environments. It consists of an ENVTABLE header and ENVTABLE entries. The ENVTABLE header contains information such as the number of ENVTABLE entries. For each REXX environment, there is an ENVTABLE entry containing information describing the REXX environment. The ENVTABLE exists in a module which is loaded.

IRXENVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	32	ENVTABLE_HEADER	REXX Environment Table Header
0	(0)	CHARACTER	8	ENVTABLE_ID	ENVTABLE id 'IRXANCHR'
8	(8)	CHARACTER	4	ENVTABLE_VERSION	ENVTABLE character version
12	(C)	SIGNED	4	ENVTABLE_TOTAL	Total number of entries
16	(10)	SIGNED	4	ENVTABLE_USED	Number of used entries
20	(14)	SIGNED	4	ENVTABLE_LENGTH	Length of each entry
24	(18)	CHARACTER	8	*	Reserved
32	(20)	CHARACTER	0	ENVTABLE_FIRST	First ENVTABLE entry

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	40	ENVTABLE_ENTRY	REXX Environment Table Entry
0	(0)	CHARACTER	40	*	Reserved
40	(28)	CHARACTER	0	ENVTABLE_NEXT	Next ENVTABLE entry

IRXENVT Cross Reference

IRXENVT Cross Reference

Name	Hex Offset	Hex Value
ENVTABLE_ENTRY	0	
ENVTABLE_FIRST	20	
ENVTABLE_HEADER	0	
ENVTABLE_ID	0	
ENVTABLE_LENGTH	14	
ENVTABLE_NEXT	28	
ENVTABLE_TOTAL	C	
ENVTABLE_USED	10	
ENVTABLE_VERSION	8	

IRXEVALB Information

IRXEVALB Programming Interface information

Programming Interface information

IRXEVALB

End of Programming Interface information

IRXEVALB Heading Information • IRXEVALB Map

IRXEVALB Heading Information

Common Name: REXX Evaluation Block
Macro ID: IRXEVALB
DSECT Name: EVALBLOCK
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
Key: 8
Size: 16 bytes
Created by: IRXSYSFU
Pointed to by: EFPLEVAL, WORKEXT_EVALBLOK, Parm 6 on call to IRXEXEC, Parm 2 on call to IRXRLT, Parm 6 in EFPL (parameter list to external functions and subroutines).
Serialization: None
Function: The REXX Evaluation Block (EVALBLOCK) contains information concerning the result of a REXX function. Information such as the length of the result and the result itself are included in the EVALBLOCK.

IRXEVALB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	EVALBLOCK	REXX Evaluation Block
0	(0)	SIGNED	4	EVALBLOCK_EVPAD1	Reserved - set to binary zero
4	(4)	SIGNED	4	EVALBLOCK_EVSIZE	Size of EVALBLOCK in double words
8	(8)	SIGNED	4	EVALBLOCK_EVLEN	Length of data
12	(C)	SIGNED	4	EVALBLOCK_EVPAD2	Reserved - set to binary zero
16	(10)	CHARACTER	*	EVALBLOCK_EVDATA	Result

IRXEXECB Information

IRXEXECB Programming Interface information

Programming Interface information

IRXEXECB

End of Programming Interface information

IRXEXECB Heading Information • IRXEXECB Map

IRXEXECB Heading Information

Common Name: REXX EXEC Block
Macro ID: IRXEXECB
DSECT Name: EXECBLK
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: IRXEXECB
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
Size: 48 bytes
Created by: Callers of IRXLOAD and IRXEXEC.
 These include IRXSYSFU and IKJCT43D.
Pointed to by: WORKEXT_EXECBLK, Parm 2 to IRXLOAD, Parm 1 to IRXEXEC, Parm 1 to compiler's run time processor, Parm 2 to compiler's interface load routine.
Serialization: None
Function: This macro maps a REXX EXEC block (EXECBLK). The EXECBLK is a control block which contains information about a REXX EXEC which is to be loaded and/or executed. It contains information like the member name of the exec, the DD name from which the exec should be loaded, etc.

IRXEXECB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	EXECBLK	Exec block containing information about the Exec to be loaded and/or executed
0	(0)	CHARACTER	8	EXEC_BLK_ACRYN	Acronym identifier, must be set to 'IRXEXECB'
8	(8)	SIGNED	4	EXEC_BLK_LENGTH	Length of EXECBLK in bytes
12	(C)	SIGNED	4	*	Reserved
16	(10)	CHARACTER	8	EXEC_MEMBER	The member name of the Exec, if Exec is from a partitioned data set, or blanks if the Exec is from a sequential data set.
24	(18)	CHARACTER	8	EXEC_DDNAME	The DD from which the Exec is loaded ('LOAD' or 'LOADCOMP'), or the name of the load DD to be closed ('CLOSEDD').
32	(20)	CHARACTER	8	EXEC_SUBCOM	The name of the initial subcommand environment under which the Exec executes
40	(28)	ADDRESS	4	EXEC_DSNPTR	Pointer to a data set name (DSN) to be returned when an REXX Exec issues a PARSE SOURCE command. It usually represents the name of the Exec Load data set. Ptr may be 0 to indicate no DSN. (Name may consist of up to 44 chars for a fully qualified DSN + up to 10 chars for an optional parenthetical member name).
44	(2C)	SIGNED	4	EXEC_DSNLEN	Length of the data set name pointed to by EXEC_DSNPTR, or 0 if no data set name is specified. Valid length values are 0 to 54 inclusive.
48	(30)	CHARACTER	0	EXEC_V1_END	End of Ver 1 EXECBLK
48	(30)	ADDRESS	4	EXEC_EXTNAME_PTR	Pointer to the extended execname. This field can be used to pass an execname if >8 chars. For example, this field may be used to pass 'pathname/filename' of HFS execname files in OMVS to the MVS replaceable load routine. (This name is not used by the TSO load routine.)

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
52	(34)	SIGNED	4	EXEC_EXTNAME_LEN	Length of the extended name pointed to by EXEC_EXTNAME_PTR, or 0 if no extended name is specified. The maximum length of an extended name is 4096 (x'1000'). Any length larger than this max value should be treated as 0 (i.e. as no extended name specified). RSVD End of Ver 2 EXECBLK
56	(38)	SIGNED	4	* (4294967298:553725952)	
64	(40)	CHARACTER	0	EXEC_V2_END	

IRXEXECB Constants

Len	Type	Value	Name	Description
Comment				
Declaration for the 'IRXEXECB' Acronym				
End of Comment				
8	CHARACTER	IRXEXECB	EXECBLK_ID	'IRXEXECB' acronym identifier
4	DECIMAL		EXECBLK_V1_LEN	Length of Ver 1 EXECBLK
4	DECIMAL		EXECBLK_V2_LEN	Length of Ver 2 EXECBLK

IRXEXECB Cross Reference

Name	Hex Offset	Hex Value
EXEC_BLK_ACRYN	0	
EXEC_BLK_LENGTH	8	
EXEC_DDNAME	18	
EXEC_DSNLEN	2C	
EXEC_DSNPTR	28	
EXEC_EXTNAME_LEN	34	
EXEC_EXTNAME_PTR	30	
EXEC_MEMBER	10	
EXEC_SUBCOM	20	
EXEC_V1_END	30	
EXEC_V2_END	40	
EXECBLK	0	

IRXEXTE Information

IRXEXTE Programming Interface information

Programming Interface information

IRXEXTE

End of Programming Interface information

IRXEXTE Heading Information • IRXEXTE Map

IRXEXTE Heading Information

Common Name: REXX Vector of External Entry Points
Macro ID: IRXEXTE
DSECT Name: IRXEXTE
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 80 bytes
Created by: IRXITPA
Pointed to by: ENVBLOCK_IRXEXTE field of the ENVBLOCK
Serialization: None
Function: The REXX Vector of External Entry Points (IRXEXTE) contains addresses of external REXX routines and replaceable REXX routines. The first element in the REXX Vector of External Entry Points (IRXEXTE) contains the number of entry points in the REXX Vector of External Entry Points (IRXEXTE). Each REXX replaceable routine is represented by two entry points. The first entry point contains the address of the replaceable routine or the default TSO/E routine if a replaceable routine has not been provided. The second entry point contains the address of the default TSO/E routine, regardless of whether or not a replaceable routine has been provided.

IRXEXTE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	IRXEXTE	REXX Vector of External Entry Points
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary
0	(0)	SIGNED	4	IRXEXTE_ENTRY_COUNT	Number of entry points in the REXX Vector of External Entry Points
4	(4)	ADDRESS	4	IRXINIT	IRXINIT - REXX Initialization Routine
8	(8)	ADDRESS	4	LOAD_ROUTINE	LOAD_ROUTINE - REXX Load Exec Routine
12	(C)	ADDRESS	4	IRXLOAD	IRXLOAD - Default REXX Load Exec Routine
16	(10)	ADDRESS	4	IRXEXCOM	IRXEXCOM - REXX Variable Access Routine
20	(14)	ADDRESS	4	IRXEXEC	IRXEXEC - REXX Run Exec Routine
24	(18)	ADDRESS	4	IO_ROUTINE	IO_ROUTINE - REXX Input/Output Routine
28	(1C)	ADDRESS	4	IRXINOUT	IRXINOUT - Default REXX Input/Output Routine
32	(20)	ADDRESS	4	IRXJCL	IRXJCL - REXX JCL Routine
36	(24)	ADDRESS	4	IRXRLT	IRXRLT - REXX Get Result Routine
40	(28)	ADDRESS	4	STACK_ROUTINE	STACK_ROUTINE - REXX Data Stack Handling Routine
44	(2C)	ADDRESS	4	IRXSTK	IRXSTK - Default REXX Data Stack Handling Routine
48	(30)	ADDRESS	4	IRXSUBCM	IRXSUBCM - REXX Subcommand Service Routine
52	(34)	ADDRESS	4	IRXTERM	IRXTERM - REXX Termination Routine
56	(38)	ADDRESS	4	IRXIC	IRXIC - REXX Immediate Commands Routine
60	(3C)	ADDRESS	4	MSGID_ROUTINE	MSGID_ROUTINE - REXX Message ID Routine
64	(40)	ADDRESS	4	IRXMSGID	IRXMSGID - Default REXX Message ID Routine
68	(44)	ADDRESS	4	USERID_ROUTINE	USERID_ROUTINE - REXX User ID Routine
72	(48)	ADDRESS	4	IRXUID	IRXUID - Default REXX User ID Routine
76	(4C)	ADDRESS	4	IRXTERMA	IRXTERMA - REXX Abnormal Termination Routine
80	(50)	ADDRESS	4	IRXSAY	IRXSAY - REXX SAY Instruction Routine

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
84	(54)	ADDRESS	4	IRXERS	IRXERS - REXX External Routine Search Routine
88	(58)	ADDRESS	4	IRXHST	IRXHST - REXX Host Command Search Routine
92	(5C)	ADDRESS	4	IRXHLT	IRXHLT - REXX Halt Condition Routine
96	(60)	ADDRESS	4	IRXTXT	IRXTXT - REXX Text Retrieval Routine
100	(64)	ADDRESS	4	IRXLIN	IRXLIN - REXX LINESIZE Routine
104	(68)	ADDRESS	4	IRXRTE	IRXRTE - REXX Exit Routing Routine

IRXEXTE Cross Reference

Name	Hex Offset	Hex Value
IO_ROUTINE	18	
IRXERS	54	
IRXEXCOM	10	
IRXEXEC	14	
IRXEXTE	0	
IRXEXTE_ENTRY_COUNT	0	
IRXHLT	5C	
IRXHST	58	
IRXIC	38	
IRXINIT	4	
IRXINOUT	1C	
IRXJCL	20	
IRXLIN	64	
IRXLOAD	C	
IRXMSGID	40	
IRXRLT	24	
IRXRTE	68	
IRXSAY	50	
IRXSTK	2C	
IRXSUBCM	30	
IRXTERM	34	
IRXTERMA	4C	
IRXTXT	60	
IRXUID	48	
LOAD_ROUTINE	8	
MSGID_ROUTINE	3C	
STACK_ROUTINE	28	
USERID_ROUTINE	44	

IRXFPDIR Information

IRXFPDIR Programming Interface information

Programming Interface information

IRXFPDIR

End of Programming Interface information

IRXFPDIR Heading Information • IRXFPDIR Map

IRXFPDIR Heading Information

Common Name: REXX Function Package Directory
Macro ID: IRXFPDIR
DSECT Name: FPCKDIR_HEADER, FPCKDIR_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: IRXFPACK
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
Size: 24 bytes for FPCKDIR_HEADER plus 32 bytes per FPCKDIR_ENTRY
Created by: REXX function package
Pointed to by: N/A
Serialization: None
Function: The REXX Function Package Directory contains the names and addresses of entry points of the package code. The DD names from which to load the package code are also contained in this directory.

IRXFPDIR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	FPCKDIR_HEADER	
0	(0)	CHARACTER	8	FPCKDIR_ID	FPCKDIR character id 'IRXFPACK'
8	(8)	SIGNED	4	FPCKDIR_HEADER_LENGTH	Length of header
12	(C)	SIGNED	4	FPCKDIR_FUNCTIONS	Number of functions
16	(10)	SIGNED	4	*	Reserved
20	(14)	SIGNED	4	FPCKDIR_ENTRY_LENGTH	Length of entry

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	FPCKDIR_ENTRY	
0	(0)	CHARACTER	8	FPCKDIR_FUNCNAME	Name of the external function or subroutine as it is used in the exec
8	(8)	ADDRESS	4	FPCKDIR_FUNCADDR	Storage address of the entry point of the package code
12	(C)	SIGNED	4	*	Reserved
16	(10)	CHARACTER	8	FPCKDIR_SYSNAME	Name of the entry point corresponding to the package code to be called for the function or subroutine
24	(18)	CHARACTER	8	FPCKDIR_SYSDD	Name of the DD from which the package code is loaded
32	(20)	CHARACTER	0	FPCKDIR_NEXT	Next FPCKDIR entry

IRXFPDIR Cross Reference

Name	Hex Offset	Hex Value
FPCKDIR_ENTRY	0	
FPCKDIR_ENTRY_LENGTH	14	
FPCKDIR_FUNCADDR	8	
FPCKDIR_FUNCNAME	0	
FPCKDIR_FUNCTIONS	C	
FPCKDIR_HEADER	0	
FPCKDIR_HEADER_LENGTH	8	
FPCKDIR_ID	0	
FPCKDIR_NEXT	20	
FPCKDIR_SYSDD	18	
FPCKDIR_SYSNAME	10	

IRXINSTB Information

IRXINSTB Programming Interface information

Programming Interface information

IRXINSTB

End of Programming Interface information

IRXINSTB Heading Information • IRXINSTB Map

IRXINSTB Heading Information

Common Name: REXX In-Storage Block
Macro ID: IRXINSTB
DSECT Name: INSTBLK, INSTBLK_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: IRXINSTB
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
Size: 128 bytes for INSTBLK_HEADER
 8 bytes per exec line in INSTBLK_ENTRY
Created by: IRXLOAD or a caller of IRXEXEC
Pointed to by: WORKEXT_INSTBLK field of the WORKBLOK_EXT,
 INSTBLK address parameter of IRXLOAD and IRXEXEC
Serialization: None
Function: The REXX In-Storage Block (INSTBLK) contains information about statements in a REXX exec. It consists of an INSTBLK header and INSTBLK entries. The INSTBLK header contains information such as the address of the first INSTBLK entry and the total length of all INSTBLK entries. For each statement, there is an INSTBLK entry containing the address and length of the statement. The INSTBLK header is pointed to by the WORKBLOK_INSTBLK field in the WORKBLOK_EXT.

IRXINSTB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	*	INSTBLK	REXX In-storage Block
0	(0)	CHARACTER	128	INSTBLK_HEADER	In-Storage Block Header
0	(0)	CHARACTER	8	INSTBLK_ACRONYM	The INSTBLK Identifier
8	(8)	SIGNED	4	INSTBLK_HDRLEN	Length of INSTBLK header
12	(C)	SIGNED	4	*	Reserved
16	(10)	ADDRESS	4	INSTBLK_ADDRESS	Address of first INSTBLK_ENTRY
20	(14)	SIGNED	4	INSTBLK_USEDLEN	Total length of all used INSTBLK_ENTRYs. (Number of entries = INSTBLK_USEDLEN/length of each INSTBLK_ENTRY.)
24	(18)	CHARACTER	8	INSTBLK_MEMBER	Name of member from which exec was loaded, or blank if loaded from a sequential DD. This field should be left blank if the execname loaded is an extended name pointed to by INSTBLK_EXTNAME_PTR.
32	(20)	CHARACTER	8	INSTBLK_DDNAME	Name of DD representing data set from which exec was loaded
40	(28)	CHARACTER	8	INSTBLK_SUBCOM	Name of initial subcommand environment under which exec is run
48	(30)	SIGNED	4	*	Reserved
52	(34)	SIGNED	4	INSTBLK_DSLEN	Length of data set name

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
56	(38)	CHARACTER	54	INSTBLK_DSNAME		Data set name from which exec was loaded, if known
110	(6E)	SIGNED	2	*		Reserved
112	(70)	ADDRESS	4	INSTBLK_EXTNAME_PTR		Ptr to the extended execname. This field can be used to pass an execname if >8 chars. For example, this field is used to pass 'pathname/filename' of HFS execname files in OMVS, since in this case the INSTBLK_MEMBER field is not sufficient to hold the exec name. (This name is not currently used by default TSO load routine)
116	(74)	SIGNED	4	INSTBLK_EXTNAME_LEN		Length of extended execname pointed to by INSTBLK_EXTNAME_PTR, or 0 if no extended name is specified. The maximum length of an extended name is 4096 (x'1000'). If a length larger than the max value is specified, the extended name is ignored.
120	(78)	SIGNED	4	* (4294967298:553725952)		Reserved
128	(80)	CHARACTER	*	INSTBLK_ENTRIES		The INSTBLK_ENTRY array of entries begins here

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	8	INSTBLK_ENTRY		REXX In-Storage Block Entry. Each entry represents 1 REXX exec statement.
0	(0)	ADDRESS	4	INSTBLK_STMT@		Address of REXX statement
4	(4)	SIGNED	4	INSTBLK_STMTLEN		Length of the REXX statement
8	(8)	CHARACTER	0	INSTBLK_NEXT		Next INSTBLK_ENTRY

IRXINSTB Constants

Len	Type	Value	Name	Description
<div style="text-align: right; margin-right: 50px;">Comment</div>				
Declaration for the In-storage control block acronym				
<div style="text-align: right; margin-right: 50px;">End of Comment</div>				
8	CHARACTER	IRXINSTB	INSTBLK_ACRYN	In-storage control block acronym

IRXINSTB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
INSTBLK	0		INSTBLK_EXTNAME_LEN	74	
INSTBLK_ACRONYM	0		INSTBLK_EXTNAME_PTR	70	
INSTBLK_ADDRESS	10		INSTBLK_HDRLEN	8	
INSTBLK_DDNAME	20		INSTBLK_HEADER	0	
INSTBLK_DSNAME	38		INSTBLK_MEMBER	18	
INSTBLK_DSNLEN	34		INSTBLK_NEXT	8	
INSTBLK_ENTRIES	80		INSTBLK_STMT@	0	
INSTBLK_ENTRY	0		INSTBLK_STMTLEN	4	

IRXINSTB Cross Reference

Name	Hex Offset	Hex Value
INSTBLK_SUBCOM	28	
INSTBLK_USEDLEN	14	

IRXMODNT Information

IRXMODNT Programming Interface information

Programming Interface information

IRXMODNT

End of Programming Interface information

IRXMODNT Heading Information • IRXMODNT Map

IRXMODNT Heading Information

Common Name: REXX Module Name Table
Macro ID: IRXMODNT
DSECT Name: MODNAMET
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 104 bytes
Created by: REXX Language Processor Initialization
Pointed to by: PARMBLOCK_MODNAMET field of the PARMBLOCK
Serialization: None
Function: The REXX Module Name Table (MODNAMET) contains information relevant to a REXX environment. Information such as DD names and routine names for input, output, loading execs, and data stack handling are included in the MODNAMET.

IRXMODNT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	112	MODNAMET	REXX Module Name Table
0	(0)	CHARACTER	24	MODNAMET_DDS	DDs
0	(0)	CHARACTER	8	MODNAMET_INDD	Name of the input DD and is only used in MVS
8	(8)	CHARACTER	8	MODNAMET_OUTDD	Name of the output DD and is only used in MVS
16	(10)	CHARACTER	8	MODNAMET_LOADDD	Name of the load exec DD
24	(18)	CHARACTER	80	MODNAMET_ROUTINES	Routines
24	(18)	CHARACTER	8	MODNAMET_IOROUT	Name of the input and output routine
32	(20)	CHARACTER	8	MODNAMET_EXROUT	Name of the exec load routine
40	(28)	CHARACTER	8	MODNAMET_GETFREER	Name of the getmain and freemain routine
48	(30)	CHARACTER	8	MODNAMET_EXECINIT	Name of the Exec Initialization routine
56	(38)	CHARACTER	8	MODNAMET_ATTNROUT	Name of the attention routine
64	(40)	CHARACTER	8	MODNAMET_STACKRT	Name of the stack routine
72	(48)	CHARACTER	8	MODNAMET_IRXEXECX	Name of the IRXEXEC exit routine
80	(50)	CHARACTER	8	MODNAMET_IDROUT	Name of the userid routine
88	(58)	CHARACTER	8	MODNAMET_MSGIDRT	Name of the message id routine
96	(60)	CHARACTER	8	MODNAMET_EXCTERM	Name of the Exec Termination routine
104	(68)	CHARACTER	8	MODNAMET_FFFF	End marker - hex 'FFFFFFFFFFFFFFFF'

IRXMODNT Cross Reference

Name	Hex Offset	Hex Value
MODNAMET	0	
MODNAMET_ATTNROUT		
	38	
MODNAMET_DDS	0	
MODNAMET_EXECINIT		
	30	
MODNAMET_EXEETERM		
	60	
MODNAMET_EXROUT		
	20	
MODNAMET_FFFF		
	68	
MODNAMET_GETFREER		
	28	
MODNAMET_IDROUT		
	50	
MODNAMET_INDD		
	0	
MODNAMET_IOROUT		
	18	
MODNAMET_IRXEXECX		
	48	
MODNAMET_LOADDD		
	10	
MODNAMET_MSGIDRT		
	58	
MODNAMET_OUTDD		
	8	
MODNAMET_ROUTINES		
	18	
MODNAMET_STACKRT		
	40	

IRXPACKT Information

IRXPACKT Programming Interface information

Programming Interface information

IRXPACKT

End of Programming Interface information

IRXPACKT Heading Information • IRXPACKT Map

IRXPACKT Heading Information

Common Name: REXX Function Package Table
Macro ID: IRXPACKT
DSECT Name: PACKTB_HEADER, PACKTB_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 48 bytes for the PACKTB_HEADER plus 8 bytes per PACKTB_ENTRY
Created by: REXX Language Processor Initialization and Function Search Routine
Pointed to by: PARMBLOCK_PACKTB field of the PARMBLOCK
Serialization: None
Function: The REXX Function Package Table (PACKTB) contains information about the user, local, and system function packages available under a REXX environment. It consists of a PACKTB header and PACKTB entries. The PACKTB header contains information such as the addresses of the first user, local, and system PACKTB entries and the number of user, local, and system PACKTB entries. For each function package, there is a PACKTB entry containing the name of the function package. The PACKTB header is pointed to by the PARMBLOCK_PACKTB field in the PARMBLOCK.

IRXPACKT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	48	PACKTB_HEADER		REXX Function Package Table Header
0	(0)	ADDRESS	4	PACKTB_USER_FIRST		Address of the first user PACKTB entry
4	(4)	SIGNED	4	PACKTB_USER_TOTAL		Total number of user PACKTB entries
8	(8)	SIGNED	4	PACKTB_USER_USED		Number of used user PACKTB entries
12	(C)	ADDRESS	4	PACKTB_LOCAL_FIRST		Address of the first local PACKTB entry
16	(10)	SIGNED	4	PACKTB_LOCAL_TOTAL		Total number of local PACKTB entries
20	(14)	SIGNED	4	PACKTB_LOCAL_USED		Number of used local PACKTB entries
24	(18)	ADDRESS	4	PACKTB_SYSTEM_FIRST		Address of the first system PACKTB entry
28	(1C)	SIGNED	4	PACKTB_SYSTEM_TOTAL		Total number of system PACKTB entries
32	(20)	SIGNED	4	PACKTB_SYSTEM_USED		Number of used system PACKTB entries
36	(24)	SIGNED	4	PACKTB_LENGTH		Length of each PACKTB entry
40	(28)	CHARACTER	8	PACKTB_FFFF		End marker - hex 'FFFFFFFFFFFFFFFF'

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	8	PACKTB_ENTRY		REXX Function Package Table Entry
0	(0)	CHARACTER	8	PACKTB_NAME		Name of the function package

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
8	(8)	CHARACTER	0	PACKTB_NEXT	Next PACKTB entry

IRXPACKT Cross Reference

Name	Hex Offset	Hex Value
PACKTB_ENTRY	0	
PACKTB_FFFF	28	
PACKTB_HEADER		
	0	
PACKTB_LENGTH		
	24	
PACKTB_LOCAL_FIRST		
	C	
PACKTB_LOCAL_TOTAL		
	10	
PACKTB_LOCAL_USED		
	14	
PACKTB_NAME	0	
PACKTB_NEXT	8	
PACKTB_SYSTEM_FIRST		
	18	
PACKTB_SYSTEM_TOTAL		
	1C	
PACKTB_SYSTEM_USED		
	20	
PACKTB_USER_FIRST		
	0	
PACKTB_USER_TOTAL		
	4	
PACKTB_USER_USED		
	8	

IRXPARMB Information

IRXPARMB Programming Interface information

Programming Interface information

IRXPARMB

End of Programming Interface information

IRXPARMB Heading Information • IRXPARMB Map

IRXPARMB Heading Information

Common Name: REXX Parameter Block
Macro ID: IRXPARMB
DSECT Name: PARMBLOCK
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: IRXPARMS
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 78
 Key: 8
Size: 64 bytes
Created by: REXX Language Processor Initialization
Pointed to by: ENVBLOCK_PARBLOCK field of the ENVBLOCK
Serialization: None
Function: The REXX Parameter Block (PARMBLOCK) contains information describing a REXX environment. Information included in the PARMBLOCK are whether the REXX environment is reentrant or non-reentrant, and whether or not the data stack can be used. The PARMBLOCK also includes pointers to the MODNAMET, SUBCOMTB, and PACKTB.

IRXPARMB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	64	PARMBLOCK	REXX Parameter Block
0	(0)	CHARACTER	8	PARMBLOCK_ID	PARMBLOCK character id 'IRXPARMS'
8	(8)	CHARACTER	4	PARMBLOCK_VERSION	Version number in EBCDIC
12	(C)	CHARACTER	3	PARMBLOCK_LANGUAGE	Language identifier
15	(F)	CHARACTER	1	*	Reserved
16	(10)	ADDRESS	4	PARMBLOCK_MODNAMET	Address of the MODNAMET
20	(14)	ADDRESS	4	PARMBLOCK_SUBCOMTB	Address of the SUBCOMTB header
24	(18)	ADDRESS	4	PARMBLOCK_PACKTB	Address of the PACKTB header
28	(1C)	CHARACTER	8	PARMBLOCK_PARSETOK	Parse source token
36	(24)	BITSTRING	4	PARMBLOCK_FLAGS	Flags
		1...		TSOFL	Integrate with TSO flag
		.1..		*	Reserved
		..1.		CMDSOFL	Command search order flag
		...1		FUNCSOFL	Function/subroutine search order flag
		.... 1...		NOSTKFL	No data stack flag
		.... .1..		NOREADFL	No read flag
		.... ..1.		NOWRTFL	No write flag
		.... ...1		NEWSTKFL	New data stack flag
37	(25)	1...		USERPKFL	User external function package flag
		.1..		LOCPKFL	Local external function package flag
		..1.		SYSPKFL	System external function package flag
		...1		NEWSCFL	New subcommand table flag
		.... 1...		CLOSEXFL	Close exec data set flag
		.... .1..		NOESTAE	No recovery ESTAE flag
		.... ..1.		RENRANT	Reentrant REXX environment flag
		.... ...1		NOPMMSG	No primary messages
38	(26)	1...		ALTMSG	Issue alternate messages
		.1..		SPSHARE	Subpool storage is shared flag

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		..1.		STORFL	STORAGE function flag
		...1		NOLOADDD	Do not load from the system-level EXEC DDNAME.
		.... 1...		NOMSGWTO	MVS, do not issue error messages with the WTO service.
		.... .1..		NOMSGIO	MVS, do not issue error messages with I/O to the OUTDD.
		.... ..1.		ROSTORFL	Read only STORAGE function. The STORAGE function can read but not change storage. (This flag is meaningful only if STORFL is OFF so that the STORAGE function itself is allowed.)
38	(26)	BITSTRING	1	*	Reserved
40	(28)	BITSTRING	4	PARMBLOCK_MASKS	Masks for flags
		1...		TSOFL_MASK	Integrate with TSO flag mask
		.1.		*	Reserved Mask
		..1.		CMDSOFL_MASK	Command search order flag mask
		...1		FUNCSTOFL_MASK	Function/subroutine search order flag mask
		.... 1...		NOSTKFL_MASK	No data stack flag mask
		.... .1..		NOREADFL_MASK	No read flag mask
		.... ..1.		NOWRTFL_MASK	No write flag mask
		.... ...1		NEWSTKFL_MASK	New data stack flag mask
41	(29)	1...		USERPKFL_MASK	User external function package flag mask
		.1.		LOCPKFL_MASK	Local external function package flag mask
		..1.		SYSPKFL_MASK	System external function package flag mask
		...1		NEWSCFL_MASK	New subcommand table flag mask
		.... 1...		CLOSEXFL_MASK	Close exec data set flag mask
		.... .1..		NOESTAE_MASK	No recovery ESTAE flag mask
		.... ..1.		RENRANT_MASK	Reentrant REXX environment flag mask
		.... ...1		NOPMSG_MASK	No primary messages flag mask
42	(2A)	1...		ALTMSG_MASK	Issue alternate messages flag mask
		.1.		SPSHARE_MASK	Subpool storage is shared flag mask
		..1.		STORFL_MASK	STORAGE function flag mask
		...1		NOLOADDD_MASK	Mask for do not load from the system-level EXEC DDNAME.
		.... 1...		NOMSGWTO_MASK	MVS, do not issue error messages with the WTO service mask.
		.... .1..		NOMSGIO_MASK	MVS, do not issue error messages with I/O to the OUTDD mask.
		.... ..1.		ROSTORFL_MASK	Read only STORAGE mask
42	(2A)	BITSTRING	1	*	Reserved
44	(2C)	UNSIGNED	4	PARMBLOCK_SUBPOOL	Subpool number
48	(30)	CHARACTER	8	PARMBLOCK_ADDRSPN	Name of the address space
56	(38)	CHARACTER	8	PARMBLOCK_FFFF	End marker - hex 'FFFFFFFFFFFFFFFF'

IRXPARMB Constants • IRXPARMB Cross Reference

IRXPARMB Constants

Len	Type	Value	Name	Description
Comment				
VALID_PARMBLOCK_ID - REXX Parameter Block Identifier				
End of Comment				
8	CHARACTER	IRXPARMS	VALID_PARMBLOCK_ID	Valid PARMBLOCK character id
Comment				
VALID_PARMBLOCK_VERSION - REXX Parameter Block Version				
End of Comment				
4	CHARACTER	0200	VALID_PARMBLOCK_VERSION	Current PARMBLOCK version

IRXPARMB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ALTMSGs	26	80	PARMBLOCK_ID	0	
ALTMSGs_MASK	2A	80	PARMBLOCK_LANGUAGE	C	
CLOSEXFL	25	08	PARMBLOCK_MASKS	28	
CLOSEXFL_MASK	29	08	PARMBLOCK_MODNAMET	10	
CMDSOFL	24	20	PARMBLOCK_PACKTB	18	
CMDSOFL_MASK	28	20	PARMBLOCK_PARSETOK	1C	
FUNCSOFL	24	10	PARMBLOCK_SUBCOMTB	14	
FUNCSOFL_MASK	28	10	PARMBLOCK_SUBPOOL	2C	
LOCPKFL	25	40	PARMBLOCK_VERSION	8	
LOCPKFL_MASK	29	40	RENRANT	25	02
NEWSCFL	25	10	RENRANT_MASK	29	02
NEWSCFL_MASK	29	10	ROSTORFL	26	02
NEWSTKFL	24	01	ROSTORFL_MASK	2A	02
NEWSTKFL_MASK	28	01	SPSHARE	26	40
NOESTAE	25	04	SPSHARE_MASK	2A	40
NOESTAE_MASK	29	04	STORFL	26	20
NOLOADDD	26	10	STORFL_MASK	2A	20
NOLOADDD_MASK	2A	10	SYSPKFL	25	20
NOMSGIO	26	04	SYSPKFL_MASK	29	20
NOMSGIO_MASK	2A	04	TsoFL	24	80
NOMSGWTO	26	08	TsoFL_MASK	28	80
NOMSGWTO_MASK	2A	08	USERPKFL	25	80
NOPMSGs	25	01	USERPKFL_MASK	29	80
NOPMSGs_MASK	29	01			
NOREADFL	24	04			
NOREADFL_MASK	28	04			
NOSTKFL	24	08			
NOSTKFL_MASK	28	08			
NOWRTFL	24	02			
NOWRTFL_MASK	28	02			
PARMBLOCK	0				
PARMBLOCK_ADDRSPN	30				
PARMBLOCK_FFFF	38				
PARMBLOCK_FLAGS	24				

IRXSHVB Information

IRXSHVB Programming Interface information

Programming Interface information

IRXSHVB

End of Programming Interface information

IRXSHVB Heading Information • IRXSHVB Constants

IRXSHVB Heading Information

Common Name: REXX Shared Variable Request Block
Macro ID: IRXSHVB
DSECT Name: SHVBLOCK
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 32 bytes
Created by: Caller of IRXEXCOM
Pointed to by: Fourth parameter passed to IRXEXCOM
Serialization: None
Function: This macro maps a REXX Shared Variable Request Block.
 The SHVBLOCK is passed as an interface to the REXX
 Variable Access Routine (IRXEXCOM), and returns
 information from it.

IRXSHVB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	32	SHVBLOCK		SHARED VARIABLE REQUEST BLOCK
0	(0)	ADDRESS	4	SHVNEXT		Chain pointer to next SHVBLOCK
4	(4)	SIGNED	4	SHVUSER		Used during "FETCH NEXT" Contains length of buffer pointed to by SHVNAMA
8	(8)	SIGNED	4	SHVCODES		
8	(8)	CHARACTER	1	SHVCODE		Function code - indicates type of variable access request
9	(9)	UNSIGNED	1	SHVRET		Return codes
10	(A)	UNSIGNED	2	*		Reserved
12	(C)	SIGNED	4	SHVBUFL		Length of fetch value buffer
16	(10)	ADDRESS	4	SHVNAMA		Address of variable name
20	(14)	SIGNED	4	SHVNAML		Length of variable name
24	(18)	ADDRESS	4	SHVVALA		Address of value buffer
28	(1C)	SIGNED	4	SHVVALL		Length of value buffer (Set on fetch)

IRXSHVB Constants

Len	Type	Value	Name	Description
Comment				
SHARED VARIABLE REQUEST BLOCK - function codes				
End of Comment				
1	CHARACTER	S	SHVSTORE	Set variable from given value
1	CHARACTER	F	SHVFETCH	Copy value of variable to Buffer
1	CHARACTER	D	SHVDROPV	Drop variable
1	CHARACTER	s	SHVSYSET	Symbolic name Set variable
1	CHARACTER	f	SHVSYFET	Symbolic name Fetch variable
1	CHARACTER	d	SHVSYDRO	Symbolic name DROP variable
1	CHARACTER	N	SHVNEXTV	Fetch next variable
1	CHARACTER	P	SHVPRIV	Fetch private information
Comment				
R15 return codes				
End of Comment				
4	DECIMAL	0	SHVRCOK	Entire Plist chain processed
4	DECIMAL	-1	SHVRCINV	Invalid entry conditions
4	DECIMAL	-2	SHVRCIST	Insufficient storage available

Len	Type	Value	Name	Description
Comment				
SHARED VARIABLE REQUEST BLOCK - return codes				
End of Comment				
1	HEX	00	SHVCLEAN	Successful execution
1	HEX	01	SHVNEWV	Variable did not exist
1	HEX	02	SHVLVAR	Last variable transferred (for N function code)
1	HEX	04	SHVTRUNC	Truncation occurred during fetch
1	HEX	08	SHVBADN	Invalid variable name
1	HEX	10	SHVBADV	Reserved in REXX
1	HEX	80	SHVBADF	Invalid function code

IRXSHVB Cross Reference

Name	Hex Offset	Hex Value
SHVBLOCK	0	
SHVBUFL	C	
SHVCODE	8	
SHVCODES	8	
SHVNAMA	10	
SHVNAML	14	
SHVNEXT	0	
SHVRET	9	
SHVUSER	4	
SHVVALA	18	
SHVVALL	1C	

IRXSUBCT Information

IRXSUBCT Programming Interface information

Programming Interface information

IRXSUBCT

End of Programming Interface information

IRXSUBCT Heading Information • IRXSUBCT Map

IRXSUBCT Heading Information

Common Name: REXX Subcommand Table
Macro ID: IRXSUBCT
DSECT Name: SUBCOMTB_HEADER, SUBCOMTB_ENTRY
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 40 bytes for the SUBCOMTB_HEADER plus 32 bytes per SUBCOMTB_ENTRY
Created by: REXX Language Processor Initialization
Pointed to by: PARMBLOCK_SUBCOMTB field of the PARMBLOCK
Serialization: None
Function: The REXX Subcommand Table (SUBCOMTB) contains information about the host commands available under a REXX environment. It consists of a SUBCOMTB header and SUBCOMTB entries. The SUBCOMTB header contains information such as the address of the first SUBCOMTB entry, the name of the initial host command, and the number of SUBCOMTB entries. For each host command, there is a SUBCOMTB entry containing information such as the name of the host command and the name of the routine for the host command.

IRXSUBCT Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	40	SUBCOMTB_HEADER		REXX Subcommand Table Header
0	(0)	ADDRESS	4	SUBCOMTB_FIRST		Address of the first SUBCOMTB entry
4	(4)	SIGNED	4	SUBCOMTB_TOTAL		Total number of SUBCOMTB entries
8	(8)	SIGNED	4	SUBCOMTB_USED		Number of used SUBCOMTB entries
12	(C)	SIGNED	4	SUBCOMTB_LENGTH		Length of each SUBCOMTB entry
16	(10)	CHARACTER	8	SUBCOMTB_INITIAL		Name of the initial subcommand
24	(18)	CHARACTER	8	*		Reserved
32	(20)	CHARACTER	8	SUBCOMTB_FFFF		End marker - hex 'FFFFFFFFFFFFFFFF'

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
0	(0)	STRUCTURE	32	SUBCOMTB_ENTRY		REXX Subcommand Table Entry
0	(0)	CHARACTER	8	SUBCOMTB_NAME		Name of the subcommand
8	(8)	CHARACTER	8	SUBCOMTB_ROUTINE		Name of the subcommand routine
16	(10)	CHARACTER	16	SUBCOMTB_TOKEN		Subcommand token
32	(20)	CHARACTER	0	SUBCOMTB_NEXT		Next SUBCOMTB entry

IRXSUBCT Cross Reference

Name	Hex Offset	Hex Value
SUBCOMTB_ENTRY	0	
SUBCOMTB_FFFF	20	
SUBCOMTB_FIRST	0	
SUBCOMTB_HEADER	0	
SUBCOMTB_INITIAL	10	
SUBCOMTB_LENGTH	C	
SUBCOMTB_NAME	0	
SUBCOMTB_NEXT	20	
SUBCOMTB_ROUTINE	8	
SUBCOMTB_TOKEN	10	
SUBCOMTB_TOTAL	4	
SUBCOMTB_USED	8	

IRXWORKB Information

IRXWORKB Programming Interface information

Programming Interface information

IRXWORKB

End of Programming Interface information

IRXWORKB Heading Information • IRXWORKB Map

IRXWORKB Heading Information

Common Name: REXX Work Block Extension
Macro ID: IRXWORKB
DSECT Name: WORKBLOK_EXT
Owning Component: TSO/E REXX (28508)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 32 bytes
Created by: IRXEXEC
Pointed to by: ENVBLOCK_WORKBLOK_EXT field of the ENVBLOCK
Serialization: None
Function: The REXX Work Block Extension (WORKBLOK_EXT) contains the parameters passed to IRXEXEC, the address of the PARSE SOURCE string, a fullword that may be used by a compiler's runtime processor, etc.

IRXWORKB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	48	WORKBLOK_EXT	The REXX WORKBLOK extension
0	(0)	ADDRESS	4	WORKEXT_EXECBLK	Address of the EXECBLK
4	(4)	ADDRESS	4	WORKEXT_ARGTABLE	Address of the first ARGTABLE entry
8	(8)	BITSTRING	4	WORKEXT_FLAGS	Flags describing the REXX exec
		1...		WORKEXT_COMMAND	Exec is a command
		.1...		WORKEXT_FUNCTION	Exec is a function
		..1.		WORKEXT_SUBROUTINE	Exec is a subroutine
8	(8)	BITSTRING	3	*	Reserved
12	(C)	ADDRESS	4	WORKEXT_INSTBLK	Address of the INSTBLK header
16	(10)	ADDRESS	4	WORKEXT_CPPLPTR	Address of the CPPL
20	(14)	ADDRESS	4	WORKEXT_EVALBLOCK	Address of the REXX user EVALBLOCK
24	(18)	ADDRESS	4	WORKEXT_WORKAREA	Address of the workarea header containing the address and length of a workarea containing the storage to be used for the new WORKBLOK and WORKBLOK_EXT
28	(1C)	ADDRESS	4	WORKEXT_USERFIELD	Address of a user field
32	(20)	ADDRESS	4	WORKEXT_RTPROC	A fullword for use by a Compiler's Runtime Processor Processor
36	(24)	ADDRESS	4	WORKEXT_SOURCE_ADDRESS	The address of the PARSE SOURCE string
40	(28)	SIGNED	4	WORKEXT_SOURCE_LENGTH	The length of the PARSE SOURCE string
44	(2C)	SIGNED	4	*	Maintain doubleword boundary

IRXWORKB Cross Reference

Name	Hex Offset	Hex Value
WORKBLOK_EXT	0	
WORKEXT_ARGTABLE		
	4	
WORKEXT_COMMAND		
	8	80
WORKEXT_CPPLPTR		
	10	
WORKEXT_EVALBLOCK		
	14	
WORKEXT_EXECBLK		
	0	
WORKEXT_FLAGS		
	8	
WORKEXT_FUNCTION		
	8	40
WORKEXT_INSTBLK		
	C	
WORKEXT_RTPROC		
	20	
WORKEXT_SOURCE_ADDRESS		
	24	
WORKEXT_SOURCE_LENGTH		
	28	
WORKEXT_SUBROUTINE		
	8	20
WORKEXT_USERFIELD		
	1C	
WORKEXT_WORKAREA		
	18	

LSD Information

LSD Programming Interface information

Programming Interface information

LSD

End of Programming Interface information

LSD Heading Information • LSD Cross Reference

LSD Heading Information

Common Name: TSO/E List Source Descriptor
Macro ID: IKJLSD
DSECT Name: LSD
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 78
 Key: 8
Size: 16 bytes
Created by: Caller of IKJSTCK
Pointed to by: STPBALSD field of the STPB
Serialization: None
Function: Contains length and record of in storage CLIST and pointer to next record.

LSD Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	LSD	
0	(0)	ADDRESS	4	LSDADATA	PTR TO IN STORAGE LIST
0	(0)	ADDRESS	1		
1	(1)	ADDRESS	3	LSDDATAL	
4	(4)	SIGNED	2	LSDRCLN	REC LENGTH -0 IF VARIABLE LEN RECFM
6	(6)	SIGNED	2	LSDTOTLN	TOTAL LEN OF IN STOR LIST(AMT OF CORE TO FREE)
8	(8)	ADDRESS	4	LSDANEXT	PTR TO NEXT REC O BE PROCESSED-INITIALIZED TO FIRST REC BY INVOKER-UPDATED BY GETLINE/PUTGET
8	(8)	ADDRESS	1		
9	(9)	ADDRESS	3	LSDNEXTL	
12	(C)	CHARACTER	4	LSDEXEC	ADDRESS OF THE EXEC COMMAND DATA BLOCK
12	(C)	ADDRESS	1		
13	(D)	ADDRESS	3	LSDEXECL	

LSD Cross Reference

Name	Hex Offset	Hex Value
LSD	0	
LSDADATA	0	
LSDANEXT	8	
LSDDATAL	1	
LSDEXEC	C	
LSDEXECL	D	
LSDNEXTL	9	
LSDRCLN	4	
LSDTOTLN	6	

LWA Information

LWA Programming Interface information

Programming Interface information

LWA

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

- LWAPASCB
- LWAPECT
- LWAPSCB

End of Programming Interface information

LWA Heading Information • LWA Map

LWA Heading Information

Common Name: TSO/E Logon Work Area
Macro ID: IKJEFLWA
DSECT Name: LWA
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: LWA
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 253
 Key: 0
Size: 664 bytes
Created by: IKJEFLA, IKJTSEV, or the TMP
Pointed to by: ASXBLWA field of the ASXB
 JSXL communication field of the JSXL
Serialization: Responsibility of the TMP
Function: The Logon Work Area (LWA) contains information which is necessary for the LOGON/LOGOFF processing routines. It contains control block pointers, entrance lists, and parameter lists required for LOGON/LOGOFF.

LWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	664	LWA	
0	(0)	ADDRESS	4	LWAPPTR	ADDRESS OF THE LOGON WORK AREA
4	(4)	CHARACTER	8	LWALWA	EBCDIC ' LWA '
12	(C)	ADDRESS	4	LWATEST	PTR FOR TEST
16	(10)	ADDRESS	4	LWAPASCB	ADDRESS OF ASCB Y02669 FOR USER MEMORY Y02669
20	(14)	ADDRESS	4	LWAACCT	OFFSET TO ACCT FIELD IN UADS
24	(18)	ADDRESS	4	LWAPSCB	ADDRESS OF THE PROTECTED STEP CONTROL BLOCK
28	(1C)	ADDRESS	4	LWAJSEL	ADDRESS OF THE JOB SCHEDULING ENTRANCE LIST
32	(20)	ADDRESS	4	LWAPECT	ADDRESS OF THE ECT
36	(24)	CHARACTER	4	LWAAECB	EVENT CONTROL BLOCK FOR THE LOGON/LOGOFF PROMPTING TASK
36	(24)	BITSTRING	3	*	NOT REFERENCED BY LOGON/ LOGOFF CODE
39	(27)	BITSTRING	1	LWAAECE	COMPLETION CODE BYTE
40	(28)	CHARACTER	4	LWAPECB	COMMUNICATIONS ECB FOR COMMUNICATION FROM THE PROMPTING TASK TO THE SCHEDULING TASK
40	(28)	BITSTRING	3	*	NOT REFERENCED BY LOGON/ LOGOFF CODE
43	(2B)	BITSTRING	1	LWAPBCE	COMPLETION CODE BYTE
44	(2C)	CHARACTER	4	LWASECB	COMMUNICATIONS ECB FOR COMMUNICATION FROM THE SCHEDULING TASK TO THE PROMPTING TASK
44	(2C)	BITSTRING	3	*	NOT REFERENCED BY LOGON/ LOGOFF CODE
47	(2F)	BITSTRING	1	LWASBCE	COMPLETION CODE BYTE
48	(30)	SIGNED	4	LWALPCNT	LOOP CONTROL FOR Y02653 STAI EXIT RETRY. Y02653 WHEN COUNTER REACHES Y02653 GIVEN VALUE, SESSION Y02653 IS TERMINATED. Y02653
52	(34)	ADDRESS	4	LWAPDCB	ADDRESS OF UADS Y02653 DCB - USED BY STAI Y02653 RETRY. Y02653
56	(38)	BITSTRING	4	LWAFLGS	FLAGS FOR USE BY LOGON
56	(38)	BITSTRING	1	*	
		1...		LWALA	IKJEFLA INDICATOR Y02669
		.1..		LWALB	IKJEFLB INDICATOR Y02669
		..1.		LWALC	IKJEFLC INDICATOR Y02669
		...1		LWALE	IKJEFLE INDICATOR Y02669

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... 1...		LWALEA	IKJEFLEA INDICATOR Y02669
		.... .1..		LWALI	IKJEFLI INDICATOR Y02669
		.... ..1.		LWALH	IKJEFLH INDICATOR Y02669
		.... ...1		LWALL	IKJEFLI INDICATOR Y02669
57	(39)	BITSTRING	1	*	
		1...		LWALGM	IKJEFLGM INDICATOR Y02669
		.1..		LWALJ	IKJEFLJ INDICATOR Y02669
		..1.		LWALK	IKJEFLK INDICATOR Y02669
		...1		LWALG	IKJEFLG INDICATOR Y02669
		.... 1...		LWALGB	IKJEFLGB INDICATOR Y02669
		.... .1..		LWALS	IKJEFLS INDICATOR Y02669
		.... ..1.		LWAFSLGN	FSCRN LOGON
		.... ...1		LWAFSRAC	FSCRN RACF
58	(3A)	BITSTRING	1	*	
		1...		LWAABFLD	ABEND OCCURRED
		.1..		LWARACF	-> USER IS... ..RACF DEFINED
		..1.		LWAVTAM	-> VTAM/SNA
		...1		LWAPHASE	CONTROL SWITCH Y02653 FOR STAI EXIT. Y02653 IF 0 - PHASE I Y02653 ACTIVE. IF 1 - Y02653 PHASE II ACTIVE Y02653
		.... 1...		LWAPSW	IF 1, LAST Y02653 ABEND IN Y02653 PROMPTER WAS Y02653 PSW RESTART. Y02653
		.... .1..		LWAPCK	IF 1, LAST Y02653 ABEND IN Y02653 PROMPTER WAS Y02653 PROGRAM CHECK. Y02653
		.... ..1.		LWAMCK	IF 1, LAST Y02653 ABEND IN Y02653 PROMPTER WAS Y02653 MACHINE CHECK. Y02653
		.... ...1		LWABND	IF 1, LAST Y02653 ABEND IN Y02653 PROMPTER WAS Y02653 OTHER THAN PROG Y02653 CHK, PSW RESTRT Y02653 OR MACHINE CHK. Y02653
59	(3B)	BITSTRING	1	LWAFLGS4	
		1...		LWAFSTXT	PSCB IS IN SP252 UPT AND RELOGON BUFFER ARE IN SUBPOOL 250
		.1..		LWANORDR	USER ON TERMINAL THAT DOES NOT SUPPORT OIDCARD READER
		..1.		LWAQTIP	SET BY SIC SO LOGON WILL DO QTIP 24 IN IKJEFLK
		...1		LWASICS	SET BY LOGON IN ... ..IKJEFLJ AND SET.. ..TO 0 IN IKJEFLK. TELLS SICS NOT TO DO QTIP 24
		.... 1...		LWALTBC	LIST BC IN CONTROL
		.... .1..		LWATNBT	USED TO INDICATE CANCEL BY THE ATTENTION EXIT ROUTINE.
		.... ..1.		LWAINX1	INSTALLATION EXIT ROUTINE IN CONTROL
		.... ...1		LWAILGN	INITIAL LOGON INDICATOR
60	(3C)	ADDRESS	4	LWAPTID	PROMPTING TASK IDENTIFIER RETURNED BY ATTACH
64	(40)	BITSTRING	3	LWACTLS	CONTROL BIT STRING FOR LOGON PROMPTING TASK
		1...		LWAUFAI	INDICATES UNSUCCESSFUL ENQ ON THE RESOURCE ' SYSUADS USERID '
		.1..		LWARACI	IF ONE, INSTALLATION DOES NOT WANT LOGON TO DO A RACINIT
		..1.		LWAFAIL	INDICATES AN UNSUCCESSFUL ATTEMPT TO OBTAIN A SYSTEM RESOURCE.IDENTIFIED BY ANY OTHER BIT.
		...1		LWADISC	INDICATES THAT LOGON IS TO TERMINATE AND DISCONNECT THE TERMINAL.
		.... 1...		LWANOPR	IF BIT IS ONE AN INSTALLA- TION EXIT ROUTINE HAS PROVIDED USERID,PASSWORD, ACCOUNT,PROCEDURE CHARAC- TER STRINGS, A REGION SIZE, AND A PERFORMANCE GROUP FOR USE IN SCHEDULING A TERMINAL JOB.
		.... .1..		LWANUAD	IF THIS BIT IS ONE AND THE BIT LWANOPR IS ALSO ONE NO ACCESS OF THE UADS SHOULD BE MADE FOR THIS TERMINAL JOB.

LWA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... ..1.		LWAJJCL	JCL FOR TERMINAL JOB WAS SUPPLIED BY AN INSTALLATION EXIT ROUTINE.
		.... ...1		LWANUADE	IF EQUAL TO '1'B AND LWANOPR = '1'B AND LWANUAD = '1'B THEN THE INSTALLATION EXIT HAS GIVEN PERMISSION TO READ THE UADS BUT ONLY THE UADSDRBA FIELD
65	(41)	1...		LWAATR1	INFORMATION FOR THE ATR1 FIELD OF THE PSCB WAS SUPPLIED BY AN INSTALLATION EXIT ROUTINE.
		.1..		LWAATR2	INFORMATION FOR THE ATR2 FIELD OF THE PSCB WAS SUPPLIED BY AN INSTALLATION EXIT ROUTINE.
		..1.		LWAUNIT	INFORMATION FOR PSCBGNM FIELD OF THE PSCB WAS SUPPLIED BY AN INSTALLATION EXIT ROUTINE.
		...1		LWABUPT	INFORMATION FOR USER PROFILE TABLE WAS SUPPLIED BY AN INSTALLATION EXIT RTN.
		.... 1...		LWANONQ	LOGON WILL NOT MAINTAIN AN ENQ ON THE RESOURCE'SYSUAD USERID' DURING THE USER'S SESSION.
		.... ..1.		LWADEST	IF 1, INSTALLATION Y02664 EXIT HAS SUPPLIED Y02664 DEFAULT DEST. Y02664
		.... ..1.		LWABEND	IF 1, INSTALLATION Y02653 EXIT IS GETTING Y02653 CONTROL AFTER ABEND Y02653
66	(42)	.... ...1		LWAMAIL	1=NOMAIL RQST
		1...		LWANOTC	1=NONOTICE RQST
		.1..		LWAOID	1=NOOID RQST
		..1.		LWANFSL	1=NO FULLSCREEN LOGON
		...1		LWASPASS	1=PASSWORD STORED IN TSB
		.... 1...		LWASUBH	1=EXIT SUPPLIED SUBMIT HOLD CLASS
		.... ..1.		LWASUBC	1=EXIT SUPPLIED SUBMIT CLASS
		.... ..1.		LWASUBM	1=EXIT SUPPLIED SUBMIT MESSAGE CLASS
		.... ...1		LWASOUT	1=EXIT SUPPLIED SYSOUT CLASS
67	(43)	UNSIGNED	1	LWATSOLV	LWA LEVEL
68	(44)	SIGNED	4	LWARTCD	RETURN CODE SET BY IKJEFLK
72	(48)	CHARACTER	8	LWANAME	EPLOC FOR ATTACH/XCTL NAME
72	(48)	CHARACTER	1	LWARNML	USED FOR MINOR RESOURCE NAME LENGTH TO ENQ/DEQ
73	(49)	CHARACTER	7	LWARNM	USED FOR MINOR RESOURCE NAME IMAGE
80	(50)	CHARACTER	12	LWANQDQ	USED FOR ENQ/DEQ PARAMETER LIST
92	(5C)	CHARACTER	8	LWAEELST	ECB LIST HEADER
92	(5C)	ADDRESS	4	LWAAECBP	PTR TO LWAAECB
96	(60)	ADDRESS	4	LWAPECBP	PTR TO LWAPECB
		1...		LWAEOEL	END OF LIST BIT
100	(64)	SIGNED	4	LWARCDE	RTN CODE SET BY IKJEFLJ
104	(68)	UNSIGNED	4	LWATCPU	2 WORDS USED FOR Y02669
108	(6C)	UNSIGNED	4	LWATCPU1	TOTAL CPU TIME USED Y02669 FOR THIS ACCOUNTING Y02669 PERIOD. Y02669
112	(70)	UNSIGNED	4	LWATSRU	2 WORDS USED FOR Y02669
116	(74)	UNSIGNED	4	LWATSRU1	TOTAL SERVICE UNITS Y02669 USED DURING THIS Y02669 ACCT PERIOD. Y02669
120	(78)	UNSIGNED	4	LWATCON	2 WORDS USED FOR Y02669
124	(7C)	UNSIGNED	4	LWATCON1	TOTAL CONNECT TIME Y02669 USED DURING THIS Y02669 ACCT PERIOD. Y02669
128	(80)	ADDRESS	4	LWASTCB	TCB ADDR IKJEFLA Y02669
132	(84)	CHARACTER	8	LWADEST2	USERID FOR SYSOUT- Y02664 TO REMOTE ENTRY- Y02664 STATION. Y02664
140	(8C)	ADDRESS	4	LWAGBWKA	POINTER TO WORK Y02669 AREA FOR IKJEFLGB Y02669
144	(90)	ADDRESS	4	LWASWKA	POINTER TO WORK Y02669 AREA FOR IKJEFLS Y02669
148	(94)	ADDRESS	4	LWAXXXX	AREA RESERVED FOR TSO SESSION MGR
152	(98)	ADDRESS	4	LWASPF	POINTER TO WORK AREA FOR SPF
156	(9C)	ADDRESS	4	LWATCB02	POINTER TO TCB FOR IKJEFT02

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
160	(A0)	ADDRESS	4	LWASVAL	POINTER TO I/O SERVICES STACK VALIDATION TABLE
		1...		LWASER	STACK TABLE SERIALIZATION BIT
164	(A4)	ADDRESS	4	LWASRWA	POINTER TO SERVIC ROUTINE WORK AREA
168	(A8)	ADDRESS	4	LWATAP	TABLE OF AUTHORIZED PROGRAMS SUPPORTED BY THE TSO SERVICE FACILITY
172	(AC)	ADDRESS	4	LWALACT	OFFSET ACCT OFFSET BLOCK
176	(B0)	ADDRESS	4	LWALPRC	OFFSET PROC NAME OFFSET BLOCK
180	(B4)	SIGNED	4	LWALRGN	LOGON REGION SIZE
184	(B8)	SIGNED	2	LWALPGN	PERFORMANCE GROUP
186	(BA)	CHARACTER	80	LWALGCMD	LOGON COMMAND
266	(10A)	BITSTRING	1	LWAF LGS5	LOGON INDICATORS
		1...		LWALPA	IKJEFLPA IS IN CONTROL
		.1..		LWALJA	IKJEFLJA IS IN CONTROL
		..1.		LWALJH	IKJEFLJH IS IN CONTROL
		...1		LWALJU	IKJEFLJU IS IN CONTROL
		.... 1...		LWALIO	IKJEFLIO IS IN CONTROL
		.... .1..		LWACHECK	FLE detected bad UADS
		.... ..1.		LWATSOGR	Indicates TSO/GR path of "Reconnect in use"
		.... ...1		LWAWBSPF	Running under web client
267	(10B)	BITSTRING	1	LWAF LGS6	Flags for use by TSO/E
		1...		LWAWBHID	Web client hidden text mode
268	(10C)	ADDRESS	4	LWATMPW3	PTR TO TMP WORK AREA 3
272	(110)	CHARACTER	392	LWASRWAA	SRWA AREA

Comment

DECLARE -
ADDRESSES OF DYNAMIC AREAS IN THE SRWA.

End of Comment

272	(110)	ADDRESS	4	LWAEFT30	PTR TO IKJEFT30 STORAGE
276	(114)	ADDRESS	4	LWAEFT40	PTR TO IKJEFT40 STORAGE
280	(118)	ADDRESS	4	LWAEFT45	PTR TO IKJEFT45 STORAGE
284	(11C)	ADDRESS	4	LWAEFT52	PTR TO IKJEFT52 STORAGE
288	(120)	ADDRESS	4	LWAEFT53	PTR TO IKJEFT53 STORAGE
292	(124)	ADDRESS	4	LWARSV1	RESERVED FOR FUTURE USE
296	(128)	ADDRESS	4	LWAEFT55	PTR TO IKJEFT55 STORAGE
300	(12C)	ADDRESS	4	LWAEFT56	PTR TO IKJEFT56 STORAGE
304	(130)	ADDRESS	4	LWARBBMC	PTR TO IKJRBBMC STORAGE
308	(134)	ADDRESS	4	LWACT440	PTR TO IKJCT440 STORAGE

Comment

DECLARE -
ADDRESSES OF THE COMMAND AND PROGRAM TABLES.
TO ADDRESS THE FIRST COMMAND OR PROGRAM
ENTRY OF ANY OF THE FOLLOWING TABLES,
YOU MUST ADD A DISPLACMENT OF 16 TO THE
POINTER.

End of Comment

312	(138)	ADDRESS	4	LWATNS	PTR TO IKJEFTNS
316	(13C)	ADDRESS	4	LWATE2	PTR TO IKJEFTE2
320	(140)	ADDRESS	4	LWATE8	PTR TO IKJEFTE8

Comment

DECLARE -
ADDRESSES OF LAR SAVEAREAS IN THE SRWA.

End of Comment

324	(144)	UNSIGNED	4	LWAICONS	CONSOLE ID OF COMMAND ISSUER
328	(148)	CHARACTER	8	LWAICART	CART FOR THE COMMAND
336	(150)	ADDRESS	4	LWASTCK	

LWA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
ADDRESS OF STACK LAR SAVEAREA					
End of Comment					
340	(154)	ADDRESS	4	LWAPUTL	
Comment					
ADDRESS OF PUTLINE LAR SAVEAREA					
End of Comment					
344	(158)	ADDRESS	4	LWAPTGT	
Comment					
ADDRESS OF PUTGET LAR SAVEAREA					
End of Comment					
348	(15C)	ADDRESS	4	LWAGETL	
Comment					
ADDRESS OF GETLINE LAR SAVEAREA					
End of Comment					
352	(160)	ADDRESS	4	LWAC441	
Comment					
ADDRESS OF CLIST VARIABLE LAR SAVEAREA					
End of Comment					
356	(164)	ADDRESS	4	LWAPHAS2	
Comment					
ADDRESS OF CLIST PHASE2 WORKAREA					
End of Comment					
360	(168)	ADDRESS	4	LWARSV5	
Comment					
RESERVED FOR FUTURE USE					
End of Comment					
364	(16C)	ADDRESS	4	LWARSV6	
Comment					
RESERVED FOR FUTURE USE					
End of Comment					
368	(170)	ADDRESS	4	LWAIobuf	PTR TO I/O BUFFER USED BY LOGON FOR THE
372	(174)	CHARACTER	1	LWABLK	READING AND WRITING OF SYS1.UADS
373	(175)	CHARACTER	3	LWARESV4	INDICATES WHICH BLOCK OF DATA IN
376	(178)	ADDRESS	4	LWALWC	SYS1.UADS THAT LWAIobuf POINTS TO
380	(17C)	ADDRESS	4	LWAEcBA	RESERVED
384	(180)	ADDRESS	4	LWACTDBC	POINTS TO LWC
					ECB POINTER FOR COMMUNICATION BETWEEN
					IKJEFLG (ATTENTION ROUTINE) AND OTHER
					MODULES
					POINTER TO SRWA

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
STORAGE FOR IKJCTDBC					
End of Comment					
388	(184)	ADDRESS	4	LWARAP	POINTER TO THE TSO RACF PARAMETER LIST
392	(188)	ADDRESS	4	LWAEXITP	POINTER TO LOCAL EXITS/TABLES VECTOR
396	(18C)	SIGNED	4	LWAWHOIF	INDICATES WHO OBTAINED THE LOGON DEFAULT INFORMATION - LWAWHOXX FOR LIST OF CONSTANTS
400	(190)	CHARACTER	40	LWALACCT	ACCOUNT NUMBER USER LOGGED ON WITH
440	(1B8)	CHARACTER	8	LWALPROC	PROCEDURE NAME USER LOGGED ON WITH
448	(1C0)	BITSTRING	1	LWAFLAG1	CONTROL FLAGS
		1...		LWANOUA	1 - INDICATES THAT THE UADS DATA SET DOES NOT EXIST
		.1..		LWAIPLWO	1 - INDICATES TO ISSUE WTO
		..1.		LWARECON	1 - LOGON RECONNECT SPECIFIED.
		...1		LWARFLEA	1 - LOGON RECONNECT issued during line mode logon
		.... 1..		LWANETL	1 - No exits were found in STEPLIB or LINKLIST
		.... .1..		LWA622AB	1 - 622 abend occurred
		.... ..1.		LWANEWPW	1 - User specified new password
		.... ...1		LWANOLBC	1 - DDNAME SYSLBC was not found during LOGON
449	(1C1)	BITSTRING	2	LWAFLAG2	FOR FUTURE USE
451	(1C3)	BITSTRING	1	LWACTLS2	REMAINING CONTROL FLAGS FOR THE PRE-PROMPT EXIT
		1...		LWACMD	1 - INSTALLATION SUPPLIED A FIRST COMMAND
		.1..		LWARBA	1 - INSTALLATION SUPPLIED AN RBA
		..1.		LWASECLB	1- EXIT SUPPLIED A SECLABEL
		...1		LWACNPR	1 - INSTALLATION EXIT SUPPLIED CONSOLE PROFILE
		.... 1..		LWAPLANG	1- EXIT SUPPLIED A PRIMARY LANGUAGE
		.... .1..		LWASLANG	1- EXIT SUPPLIED A SECONDARY LANGUAGE
		.... ..1.		LWANOSAV	1- EXIT DOES NOT WANT FULL SCREEN FIELDS SAVED IN THE TSO SEGMENT
		.... ...1		*	RESERVED FOR USE BY FLD1 INSTALLATION EXIT INTER- FACES ONLY
452	(1C4)	ADDRESS	4	LWARTRAS	AUTHORIZED DYNAMIC STORAGE ADDR FOR EXIT ROUTER
456	(1C8)	SIGNED	4	LWAWBQID	Web client message queue
460	(1CC)	ADDRESS	4	LWASRWA1	POINTER TO THE KEY 1 AREA OF THE SRWA
464	(1D0)	UNSIGNED	4	LWACCSID	Code character set identifier needed for web client
468	(1D4)	ADDRESS	4	LWADCBC	NUMBER OF DCBS CURRENTLY OPEN
472	(1D8)	ADDRESS	4	LWAT441R	PTR TO IKJCT441 STORAGE
476	(1DC)	ADDRESS	4	LWARSV9	RESERVED FOR FUTURE USE
480	(1E0)	ADDRESS	4	LWARSV10	RESERVED FOR FUTURE USE
484	(1E4)	ADDRESS	4	LWAPROSP	ADDR of key 1 stack
488	(1E8)	ADDRESS	4	LWAPRMLB	PARMLIB FLAGS
		1...		LWATAPST	1 - INDICATES TAP CAME FROM STEPLIB
		.1..		LWATNSST	1 - INDICATES TNS CAME FROM STEPLIB
		..1.		LWATE2ST	1 - INDICATES TE2 CAME FROM STEPLIB
		...1		LWATE8ST	1 - INDICATES TE8 CAME FROM STEPLIB
492	(1EC)	SIGNED	2	LWATAPLN	LENGTH OF TAP
494	(1EE)	SIGNED	2	LWATNSLN	LENGTH OF TNS
496	(1F0)	SIGNED	2	LWATE2LN	LENGTH OF TE2
498	(1F2)	SIGNED	2	LWATE8LN	LENGTH OF TE8
500	(1F4)	SIGNED	2	LWAGENER	PARMLIB GENERATION COUNT
502	(1F6)	CHARACTER	8	LWALSECL	SECLABEL
510	(1FE)	SIGNED	2	*	Doubleword boundary
512	(200)	CHARACTER	8	LWAWBCHR	Web client character data
512	(200)	CHARACTER	1	LWAWBLBR	Left bracket for client
513	(201)	CHARACTER	1	LWAWBRBR	Right bracket in client
514	(202)	CHARACTER	1	LWAWBDBQ	Double quote for client
515	(203)	CHARACTER	1	LWAWBCMA	Comma for use in client

LWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
516	(204)	CHARACTER	1	LWAWBCLN	Colon for use in client
517	(205)	CHARACTER	1	LWAWBSLH	Backslash for web client
518	(206)	CHARACTER	1	LWAWBEQU	Equal sign for web client
519	(207)	CHARACTER	1	LWAWBSPC	Space for use in client
520	(208)	ADDRESS	4	LWA00026	PTR TO IGX00026 STORAGE
524	(20C)	ADDRESS	4	LWA00027	PTR TO IGX00027 STORAGE
528	(210)	ADDRESS	4	LWACT429	PTR TO IKJCT429 STORAGE
532	(214)	ADDRESS	4	LWARSV11	RESERVED FOR FUTURE USE
536	(218)	ADDRESS	4	LWARSV12	RESERVED FOR FUTURE USE
540	(21C)	ADDRESS	4	LWASVTAD	ADDRESS OF STACK VALIDATION TABLE JOBSTEP TCB STORAGE
544	(220)	ADDRESS	4	LWASTGST	ADDRESS OF KEY 8 STORAGE STACK DATA AREA
548	(224)	ADDRESS	4	LWASTGEN	END ADDRESS OF KEY 8 STORAGE STACK STORAGE AREA
552	(228)	ADDRESS	4	LWACNCCB	POINTER TO THE CONSOLE CONTROL BLOCK (CNCCB)
556	(22C)	CHARACTER	24	LWACNPRF	CONSOLE PROFILE AT LOGON TIME
580	(244)	ADDRESS	4	LWATERM	PARAMETER RETURNED FROM GTTERM DURING LOGON
584	(248)	CHARACTER	8	LWATOKEN	Stack token value
592	(250)	ADDRESS	4	LWAADVLF	Points to ALTLIB and VLF segment
596	(254)	ADDRESS	4	LWAVCPPL	ADDRESS OF CPPL CREATED BY TSO ENV. SERVICE
600	(258)	ADDRESS	4	LWAVECBP	ADDRESS OF ECB CREATED BY TSO ENV. SERVICE
604	(25C)	ADDRESS	4	LWAVJST	ADDRESS OF JOBSTEP TCB THAT OWNS THE TSO ENV.
608	(260)	ADDRESS	4	LWAVFLGS	FLAGS FOR TSO ENVIRONMENT SERVICE
		1...		LWATSENV	INDICATES NON-TMP TSO CREATED
		.1..		LWASYSIN	INDICATES SYSTSIN ALLOCATED BY IKJPCENV AS DUMMY
		..1.		LWASYSPR	INDICATES SYSTSPRT ALLOCATED BY IKJPCENV AS DUMMY
		...1		LWAVBKGD	TSO ENVIRONMENT INITIALIZED WITH BACKGROUND MODE
		.... 1...		LWATE2LD	IKJEFT2 LOADED
		.... .1..		LWATE8LD	IKJEFT8 LOADED
		.... ..1.		LWATAPLD	IKJEFTAP LOADED
		.... ...1		LWATNSLD	IKJEFTNS LOADED
609	(261)	BITSTRING	1	LWACRID	Creator ID, identifies who created this LWA
610	(262)	BITSTRING	2	*	Reserved
612	(264)	UNSIGNED	4	LWATSLEN	TSO TABLES LENGTH IF THEY WERE COPIED FROM STEPLIB
616	(268)	ADDRESS	4	LWATMPPB	ADDRESS OF TMP PLATFORM BLOCK
620	(26C)	ADDRESS	4	LWADYSEG	Address of the IKJDYSEG segment
624	(270)	ADDRESS	4	LWADTSEG	Pointer to the DT segment
628	(274)	ADDRESS	4	LWAISPD	Pointer reserved for ISPF DT support.
632	(278)	ADDRESS	4	LWAMSRM@	Address of IKJMSRMO control Block
636	(27C)	ADDRESS	4	LWATSTTR	Address of SVQ (used by TEST command)
640	(280)	ADDRESS	4	LWAOTCB	Address of TCB that owns the storage for this LWA
644	(284)	ADDRESS	4	LWAFREE	Reserved room for later use
				(4294967301:553726200)	
664	(298)	CHARACTER	0	*	FORCE DOUBLEWORD BOUNDRY

LWA Constants

Len	Type	Value	Name	Description
4	DECIMAL	664	LENLWA	LENGTH OF THE LWA
1	DECIMAL	60	LWALVTSO	INDICATE THIS IS LWA LEVEL TSO/E V2 R2
4	DECIMAL	0	LWAWHOIN	USED IN INITIALIZING THE LOGON DEFAULT INFORMATION
4	DECIMAL	10	LWAWHORA	RACF SUPPLIED THE LOGON DEFAULT INFORMATION
4	DECIMAL	20	LWAWHOUA	UADS SUPPLIED THE LOGON DEFAULT INFORMATION

Comment

Constants used to set LWACRID to identify who created the LWA.

End of Comment

1	DECIMAL	1	LWACRLGN	Created for LOGON by IKJEFLA1
1	DECIMAL	2	LWACRTMP	Created for Batch TMP by IKJEFTP1
1	DECIMAL	3	LWACRTSE	Created for TSO Environment Service by IKJPCENV
1	DECIMAL	4	LWACRPRM	Created for system PARMLIB command by IKJPRMLB
1	DECIMAL	5	LWACRP01	Created for PARMLIB running at IPL by IKJPRM01

Comment

DECLARE-
LOGON VARIABLES

End of Comment

8	CHARACTER	SYSIKJUA	SYSIKJUA	Major name for ...
---	-----------	----------	----------	--------------------

Comment

DECLARE-
MESSAGE NUMBERS

End of Comment

4	DECIMAL	15	MSG56413	RACINIT FAILED BY RACINIT
---	---------	----	----------	---------------------------

Comment

INSTALLATION EXIT RC=24

End of Comment

4	DECIMAL	13	MSG56414	NEW-PSWD FOR RACINIT INVALID
---	---------	----	----------	------------------------------

Comment

RC=16

End of Comment

4	DECIMAL	52	MSG56415	PSWD EXPIRED AND NO NEW-PSWD
---	---------	----	----------	------------------------------

Comment

RC=12

End of Comment

4	DECIMAL	53	MSG56416	RACINIT ERROR RC=XX
4	DECIMAL	54	MSG56417	GROUP NOT DEFINED TO USER

LWA Constants

Len	Type	Value	Name	Description
|----- Comment -----|				
RC=20				
|----- End of Comment -----|				
4	DECIMAL	55	MSG56419	GROUP, NEW PSWD IGNORED
|----- Comment -----|				
FOR NON RACF USER				
|----- End of Comment -----|				
4	DECIMAL	8	MSG56421	PSWD NOT AUTHORIZED RC= 8
4	DECIMAL	111	MSG56421X	PSWD NOT AUTHORIZED - new password reset
4	DECIMAL	51	MSG56425	RACINIT TEMPORARILY NOT
|----- Comment -----|				
ALLOWING USER TO LOGON RC=28				
|----- End of Comment -----|				
4	DECIMAL	56	MSG56426	GROUP/NEWPSWD IGNORED
|----- Comment -----|				
RACF NOT IN SYSTEM				
|----- End of Comment -----|				
|----- Comment -----|				
FOLLOWING MESSAGES ARE FOR RACF V2 8/30/76				
|----- End of Comment -----|				
4	DECIMAL	57	MSG56431	LOGON TERMINATED. NOT AUTH
|----- Comment -----|				
TO THIS TERMINAL				
|----- End of Comment -----|				
4	DECIMAL	58	MSG56432	RECONNECT REJECTED - NOT
|----- Comment -----|				
AUTHORIZED TO THIS TERMINAL				
|----- End of Comment -----|				
4	DECIMAL	59	MSG56433	OIDCARD IS NOT AUTHORIZED
4	DECIMAL	60	MSG56434	OIDCARD IS REQUIRED
4	DECIMAL	61	MSG56435	NOT A VALID OIDCARD
4	DECIMAL	62	MSG56436	LOGON TERMINATED- OIDCARD NOT
|----- Comment -----|				
SUPPORTED FOR THIS TERMIN TYPE				
|----- End of Comment -----|				
4	DECIMAL	63	MSG56437	ENTER OIDCARD
4	DECIMAL	64	MSG56438	USE OF GROUP HAS BEEN REVOKED
4	DECIMAL	65	MSG56439	ENTER NEW GROUP NAME
4	DECIMAL	66	MSG56440	RECONNECT REJECTED- PSWD

Len	Type	Value	Name	Description
			Comment	
			INVALID FOR RACF	
			End of Comment	
4	DECIMAL	67	MSG56441	RECONNECT REJECTED- GROUP NOT
			Comment	
			AUTHORIZED	
			End of Comment	
4	DECIMAL	68	MSG56442	RECONNECT REJECTED BY RACF
			Comment	
			INSTALLATION EXIT	
			End of Comment	
4	DECIMAL	69	MSG56443	RECONNECT REJECTED USER ACCESS
			Comment	
			REVOKED BY RACF	
			End of Comment	
4	DECIMAL	70	MSG56444	RECONNECT REJECTED- USE OF
			Comment	
			GROUP HAS BEEN REJECTED	
			End of Comment	
4	DECIMAL	81	MSG610	RACF INACTIVE MESSAGE
4	DECIMAL	82	MSG611	TSOLOGON TERMINATED RACF ERROR
4	DECIMAL	84	MSG56488	USER ID NOT AUTHORIZED
4	DECIMAL	85	MSG56489	PERFORMANCE GROUP IS NOT DEFINED
4	DECIMAL	86	MSG56490	PERFORMANCE GROUP IS NOT AUTHORIZED
4	DECIMAL	87	MSG56493	RECONNECT FAIL - TERMINAL CAN NOT BE USED
4	DECIMAL	88	MSG56494	LOGON FAILED - TERMINAL CAN NOT BE USED
4	DECIMAL	89	MSG612	TSOLOGON TERMINATED USER XXX IS NOT DEFINED TO ANY PROCEDURE NAMES
4	DECIMAL	91	MSG613	TSOLOGON TERMINATED. RACHECK ERROR WHILE PROCESSING CLASS XXX, RETURN CODE XXX, REASON CODE XXX, USER XXX
4	DECIMAL	94	MSG614	UPT MIGRATION FROM UADS TO RACF FAILED FOR XXXXXXXX, REASON CODE XXX
4	DECIMAL	95	MSG56498	RECONNECT FAILED - USER XXXXXXXX CAN NOT ACCESS SYSTEM AT THIS TIME
4	DECIMAL	96	MSG56499	LOGON FAILED - USER XXXXXXXX CAN NOT ACCESS SYSTEM AT THIS TIME
4	DECIMAL	97	MSG56471	Invalid SECLABEL

LWA Cross Reference

LWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LWA	0		LWAISPDT	274	
LWAABCE	27		LWAJJCL	40	02
LWAABFLD	3A	80	LWAJSEL	1C	
LWAACCT	14		LWALA	38	80
LWAADVLF	250		LWALACCT	190	
LWAAECB	24		LWALACT	AC	
LWAAECBP	5C		LWALB	38	40
LWAATR1	41	80	LWALC	38	20
LWAATR2	41	40	LWALE	38	10
LWABEND	41	02	LWALEA	38	08
LWABLK	174		LWALG	39	10
LWABND	3A	01	LWALGB	39	08
LWABUPT	41	10	LWALGCMDB	BA	
LWACCSID	1D0		LWALGM	39	80
LWACHECK	10A	04	LWALH	38	02
LWACMD	1C3	80	LWALI	38	04
LWACNCCB	228		LWALIO	10A	08
LWACNPR	1C3	10	LWALJ	39	40
LWACNPRF	22C		LWALJA	10A	40
LWACRID	261		LWALJH	10A	20
LWACTDBC	180		LWALJU	10A	10
LWACTLS	40		LWALK	39	20
LWACTLS2	1C3		LWALL	38	01
LWACT429	210		LWALPA	10A	80
LWACT440	134		LWALPCNT	30	
LWAC441	160		LWALPGN	B8	
LWADCBCT	1D4		LWALPRC	B0	
LWADEST	41	04	LWALPROC	1B8	
LWADEST2	84		LWALRGN	B4	
LWADISC	40	10	LWALS	39	04
LWADTSEG	270		LWALSECL	1F6	
LWADYSEG	26C		LWALTBC	3B	08
LWAECEBA	17C		LWALWA	4	
LWAEFT30	110		LWALWC	178	
LWAEFT40	114		LWAMAIL	41	01
LWAEFT45	118		LWAMCK	3A	02
LWAEFT52	11C		LWAMSRM@	278	
LWAEFT53	120		LWANAME	48	
LWAEFT55	128		LWANETL	1C0	08
LWAEFT56	12C		LWANERPWW	1C0	02
LWAEELST	5C		LWANFSL	42	20
LWAEOEL	60	80	LWANOLBC	1C0	01
LWAEXITP	188		LWANONQ	41	08
LWAFAIL	40	20	LWANOPR	40	08
LWAFLAG1	1C0		LWANORDR	3B	40
LWAFLAG2	1C1		LWANOSAV	1C3	02
LWAFGLS	38		LWANOTC	42	80
LWAFGLS4	3B		LWANOUA	1C0	80
LWAFGLS5	10A		LWANQDQ	50	
LWAFGLS6	10B		LWANUAD	40	04
LWAFREE	284		LWANUADE	40	01
LWAFSLGN	39	02	LWAOID	42	40
LWAFSRAC	39	01	LWAOTCB	280	
LWAFSTXT	3B	80	LWAPASCB	10	
LWAGBWKA	8C		LWAPBCE	2B	
LWAGENER	1F4		LWAPCK	3A	04
LWAGETL	15C		LWAPDCB	34	
LWAICART	148		LWAPECB	28	
LWAICONS	144		LWAPECBP	60	
LWAILGN	3B	01	LWAPECT	20	
LWAINX1	3B	02	LWAPHASE	3A	10
LWAIobuf	170		LWAPHAS2	164	
LWAIPLWO	1C0	40	LWAPLANG	1C3	08

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
LWAPPTR	0		LWATE2LD	260	08
LWAPRMLB	1E8		LWATE2LN	1F0	
LWAPROSP	1E4		LWATE2ST	1E8	20
LWAPSCB	18		LWATE8	140	
LWAPSW	3A	08	LWATE8LD	260	04
LWAPTGT	158		LWATE8LN	1F2	
LWAPTID	3C		LWATE8ST	1E8	10
LWAPUTL	154		LWATMPPB	268	
LWAQTIP	3B	20	LWATMPW3	10C	
LWARACF	3A	40	LWATNBT	3B	04
LWARACI	40	40	LWATNS	138	
LWARAP	184		LWATNSLD	260	01
LWARBA	1C3	40	LWATNSLN	1EE	
LWARBBMC	130		LWATNSST	1E8	40
LWARCDE	64		LWATOKEN	248	
LWARECON	1C0	20	LWATSENV	260	80
LWARES4	175		LWATSLEN	264	
LWARFLEA	1C0	10	LWATSOGR	10A	02
LWARNM	49		LWATSOLV	43	
LWARNML	48		LWATSRU	70	
LWARSV1	124		LWATSRU1	74	
LWARSV10	1E0		LWATSTTR	27C	
LWARSV11	214		LWAT441R	1D8	
LWARSV12	218		LWAUF4I	40	80
LWARSV5	168		LWAUNIT	41	20
LWARSV6	16C		LWAVBKGD	260	10
LWARSV9	1DC		LWAVCPPL	254	
LWARTCD	44		LWAVECBP	258	
LWARTRAS	1C4		LWAVFLGS	260	
LWASBCE	2F		LWAVJST	25C	
LWASECB	2C		LWAVTAM	3A	20
LWASECLB	1C3	20	LWAWBCHR	200	
LWASER	A0	80	LWAWBCLN	204	
LWASICSP	3B	10	LWAWBCMA	203	
LWASLANG	1C3	04	LWAWBDBQ	202	
LWASOUT	42	01	LWAWBEQU	206	
LWASPASS	42	10	LWAWBHID	10B	80
LWASPF	98		LWAWBLBR	200	
LWASRWA	A4		LWAWBQID	1C8	
LWASRWAA	110		LWAWBRBR	201	
LWASRWA1	1CC		LWAWBSLH	205	
LWASTCB	80		LWAWBSPC	207	
LWASTCK	150		LWAWBSPF	10A	01
LWASTGEN	224		LWAWHOIF	18C	
LWASTGST	220		LWAXXXX	94	
LWASUBC	42	04	LWA00026	208	
LWASUBH	42	08	LWA00027	20C	
LWASUBM	42	02	LWA622AB	1C0	04
LWASVAL	A0				
LWASVTAD	21C				
LWASWKA	90				
LWASYSIN	260	40			
LWASYSPR	260	20			
LWATAP	A8				
LWATAPLD	260	02			
LWATAPLN	1EC				
LWATAPST	1E8	80			
LWATCB02	9C				
LWATCON	78				
LWATCON1	7C				
LWATCPU	68				
LWATCPU1	6C				
LWATERM	244				
LWATEST	C				
LWATE2	13C				

MSGTABLE Information

MSGTABLE Programming Interface information

Programming Interface information

MSGTABLE

End of Programming Interface information

MSGTABLE Heading Information • MSGTABLE Map

MSGTABLE Heading Information

Common Name: TSO/E Message Issuer Parameter List
Macro ID: IKJEFFMT
DSECT Name: MSGTABLE
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
 Key: 1 or 8
 Residency: Above 16M
Size: MSGTABLE - 84 bytes
 RET - 1001 bytes
Created by: Caller of IKJEFF02 message issuer service routine
Pointed to by: Register 1
Serialization: None
Function: This control block describes a message being passed to IKJEFF02 message issuer service routine, which can issue the message as a WTO, write-to-programmer, write-to-programmer, or a TSO/E PUTLINE or PUTGET, and/or return the message in caller supplied buffers. The message text must be in a CSECT pointed to by the MSGTABLE. The MSGTABLE also contains lengths and pointers to message inserts, the message identifier, and switches and pointers which control IKJEFF02's operation.

MSGTABLE Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	84	MSGTABLE	<<MESSAGE TABLE FOR IKJEFF02>> UNUSED FIELDS MUST BE ZEROED	
0	(0)	ADDRESS	4	LISTPTR	POINTER TO MESSAGE DESCRIPTION SECTION OF PARAMETER LIST	
4	(4)	ADDRESS	4	TMCTPTR	POINTER TO TMP'S TMCT CONTROL BLOCK (REQUIRED FOR PUTLINE OR PUTGET)	
4	(4)	ADDRESS	4	MTCPPPL	(ALSO CALLED CPPL)	
8	(8)	ADDRESS	4	ECBPTR	OPTIONAL PUTLINE/PUTGET ECB POINTER	
12	(C)	ADDRESS	4	*	** RESERVED FOR FUTURE USE **	
		1...		MTHIGH	CAN TURN ON FOR STANDARD LINKAGE	
16	(10)	ADDRESS	4	MSGCSECT	<<MESSAGE DESCRIPTION SECTION STARTS HERE>> POINTER TO CSECT WITH CALLER'S MESSAGE TEXTS, BUILT WITH IKJTSMSG MACRO	
		1...		SW	FIRST BYTE OF SWITCHES	
		.1..		MTNOIDSW	ON IF PRINTING DATA (SEE IKJEFF02'S PROLOGUE FOR DETAILS)	
		..1.		MTPUTLSW	ON IF ISSUE PUTLINE, NOT DEFAULT OF PUTGET. FOR PUTLINE, MESSAGE INSERTS FOR A SECOND LEVEL MESSAGE MUST BE LISTED BEFORE INSERTS FOR A FIRST LEVEL. PUTGET MESSAGES MUST HAVE A SECOND LEVEL.	
		...1		MTWTOSW	ON IF ISSUE MESSAGE AS A WTO WITH ROUTCDE=(2), DESC=(6). MESSAGE IS TRUNCATED IF IT EXCEEDS 124 CHARACTERS.	
		.... 1..		MTHESW	ON IF TRANSLATE NUMERIC INSERTS TO PRINTABLE HEX (X'VALUE'), NOT DECIMAL	
		.... .1..		MTKEY1SW	ON IF DO MODESET TO KEY 0 BEFORE ISSUE A PUTLINE OR PUTGET, THEN RETURN TO KEY 1 (IF KEY 0 OR 8, DON'T NEED MODESET)	
		.... .1..		MTJOBISW	ON IF COMPRESS BLANKS OUT OF XX(YY) TYPE INSERT	

Offsets		Type/Value.... ..1.	Len	Name (Dim)	Description
Dec	Hex				
				MTWTPSW	ON IF ISSUE MESSAGE AS A WRITE TO PROGRAMMER (WITH DESC=(7). IF MESSAGE IS LONGER THAN 124 CHARACTERS, SEVERAL WTP'S ARE ISSUED.
		.... ..1		MTNHEXSW	ON IF TRANSLATE ALL NUMERIC INSERTS TO PRINTABLE DECIMAL (DEFAULT IS DECIMAL IF VALUE LESS THAN X'FFFF', OTHERWISE TRANSLATE TO PRINTABLE HEX)
21	(15)	ADDRESS	1	MTEXTRLN	LENGTH OF EXTRACT BUFFER - ACTS AS SWITCH TO INDICATE EXTRACT WANTED FOR FIRST LEVEL MESSAGE.
22	(16)	ADDRESS	1	MTEXTRL2	LENGTH OF EXTRACT BUFFER FOR SECOND LEVEL MESSAGE - ACTS AS SWITCH TO INDICATE EXTRACT WANTED FOR SECOND LEVEL MESSAGE.
23	(17)	ADDRESS	1	*	** RESERVED **
24	(18)	ADDRESS	1	MTSW2	SECOND BYTE OF SWITCHES
		1...		MT2OLDSW	ON IF MTOLDPTR POINTS TO SECOND LEVEL MESSAGE ALREADY IN PUTLINE /PUTGET O.L.D. FORMAT. IKJEFF02 WILL COPY IKJ MSG ID FROM FIRST LEVEL INTO FIRST SEGMENT OF SECOND LEVEL MESSAGE. (FOR TSO STATUS COMMAND.)
		.1..		MTDOMSW	ON IF DELETE WRITE TO PROGRAMMER OR WTO MSGS FROM DISPLAY CONSOLE
		..1.		MTNOXQSW	ON IF OVERRIDE DEFAULT OF X' ' AROUND INSERTS CONVERTED TO PRINTABLE HEX
		...1		MTNPLMSW	ON IF OVERRIDE DEFAULT OF WRITE TO PROGRAMMER ERROR MESSAGE IF PUTLINE FAILS
		.... 1...		MTPGMSW	ON IF WANT AN ERROR MESSAGE IF PUTGET FAILS
		.... .1..		MTEXTRCN	ON IF WANT EXTRACT PUT IN BUFFER AND CONTINUE TO ISSUE MESSAGE
		.... ..1.		MTFMT	ON IF WANT NEW 31-BIT FORMAT
		.... ...1		MTTRANS	ON IF WANT MESSAGE TRANSLATED
25	(19)	ADDRESS	3	*	** RESERVED **
28	(1C)	ADDRESS	4	MTOLDPTR	POINTS TO O.L.D. IF MT2OLDSW ON
32	(20)	ADDRESS	4	MTEXTRBF	AREA TO DESCRIBE BUFFER CONTAINING INFO FOR EXTRACT OF FIRST LEVEL MESSAGE

Comment

PTR TO EXTRACT BUFFER SUPPLIED BY CALLER. THE MESSAGE IS RETURNED IN THE FORM 'LL00TEXT' WHERE LL IS THE LENGTH OF THE TEXT +4. IF THE CALLER'S BUFFER IS TOO SMALL, AS MUCH OF LL00TEXT IS MOVED AS POSSIBLE. THE CALLER MUST COMPARE MESSAGE SIZE WITH BUFFER SIZE TO KNOW IF MESSAGE HAS BEEN TRUNCATED.

End of Comment

36	(24)	ADDRESS	4	MTEXTRB2	AREA DESCRIBING BUFFER CONTAINING INFO FOR EXTRACT OF SECOND LEVEL MESSAGE.
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MSGTABLE Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
<p>PTR TO EXTRACT BUFFER, CALLER-SUPPLIED, FOR SECOND LEVEL MESSAGE. SEE MTEXTTRBF FOR DESCRIPTION.</p> <p>IF THERE IS NO SECOND LEVEL MESSAGE, THE LENGTH FIELD OF THE SECOND BUFFER WILL BE ZERO ON RETURN TO CALLER.</p>					
End of Comment					
40	(28)	CHARACTER	4	MSGID	MESSAGE ID USED TO SEARCH FOR MESSAGE TEXT IN MESSAGE CSECT
44	(2C)	ADDRESS	4	MTREPLY	POINTER TO REPLY FROM PUTGET
44	(2C)	ADDRESS	4	RETMSG	FOR COMPATIBILITY WITH OLD NAME
48	(30)	CHARACTER	32	MTINSRTS	USE THIS NAME TO ZERO INSERT AREA. HAVE MAXIMUM OF 255 PARTS TO FIRST OR LATER LEVEL MESSAGE, BUT IF A MESSAGE LEVEL EXCEEDS 256 CHARACTERS, IT IS TRUNCATED. TRAILING BLANKS ARE DELETED FROM INSERTS. EXTRA INSERT FIELDS NEED NOT BE ZEROED. IF AN INSERT LENGTH (OR ADDRESS) FIELD IS ZERO, NO INSERT IS DONE FOR THE ENTRY, BUT FOLLOWING INSERTS ARE DONE. LENGTH OF INSERT 1. MAXIMUM LENGTH IS 127.
48	(30)	ADDRESS	4	L1	ON IF TRANSLATE FIRST 4 BYTES OF INSERT FORM HEX TO CHARACTER (IGNORE REST). SEE MTHEXSW.
		1... ..		HIGHL1	
52	(34)	ADDRESS	4	VAR1	ADDRESS OF INSERT1 -NOTE- INSERTS FOR 2ND LEVEL MSG MUST BE FIRST IF PUTLINE OR WTP
56	(38)	ADDRESS	4	L2	LEN OF INSERT2
		1... ..		HIGHL2	BIT FOR INSERT2
60	(3C)	ADDRESS	4	VAR2	ADDR OF INSERT2
64	(40)	ADDRESS	4	L3	LEN OF INSERT3
		1... ..		HIGHL3	BIT FOR INSERT3
68	(44)	ADDRESS	4	VAR3	ADDR OF INSERT3
72	(48)	ADDRESS	4	L4	LEN OF INSERT4
		1... ..		HIGHL4	BIT FOR INSERT4
76	(4C)	ADDRESS	4	VAR4	ADDR OF INSERT4
80	(50)	ADDRESS	4	MSGRTN	MESSAGE ROUTINE ADDRESS - NOT USED BY IKJEFF02
<p>Offsets</p>					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	1001	RET	MESSAGE REPLY BUF. IKJEFF02 OBTAINS THE BUFFER IN SUBPOOL 0 AND THE CALLER MAY FREE THIS BUFFER.
0	(0)	SIGNED	2	RETSIZE	BUFFER SIZE, INCLUDING THESE TWO BYTES
2	(2)	CHARACTER	999	RETCAR	REPLY TEXT FROM PUTGET. IKJEFF02 CONVERTS REPLY TO UPPER CASE.

MSGTABLE Cross Reference

Name	Hex Offset	Hex Value
ECBPTR	8	
HIGHL1	30	80
HIGHL2	38	80
HIGHL3	40	80
HIGHL4	48	80
LISTPTR	0	
L1	30	
L2	38	
L3	40	
L4	48	
MSGCSECT	10	
MSGID	28	
MSGRTN	50	
MSGTABLE	0	
MTCPPL	4	
MTDOMSW	18	40
MTEXTRBF	20	
MTEXTRB2	24	
MTEXTRCN	18	04
MTEXTRLN	15	
MTEXTRL2	16	
MTFMT	18	02
MTHESW	14	10
MTHIGH	C	80
MTINSRTS	30	
MTJOBISW	14	04
MTKEY1SW	14	08
MTNHEXSW	14	01
MTNOIDSW	14	80
MTNOXQSW	18	20
MTNPLMSW	18	10
MTOLDPTR	1C	
MTPGMSW	18	08
MTPUTLSW	14	40
MTREPLY	2C	
MTSW2	18	
MTTRANS	18	01
MTWTOSW	14	20
MTWTPSW	14	02
MT2OLDSW	18	80
RET	0	
RETCAR	2	
RETMMSG	2C	
RETSIZE	0	
SW	14	
TMCTPTR	4	
VAR1	34	
VAR2	3C	
VAR3	44	
VAR4	4C	

MSGTABLE Cross Reference

OUTCOMB Information

OUTCOMB Heading Information

Common Name: Output Communications Table
Macro ID: IKJOCMTB
DSECT Name: OUTCOMB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 312 bytes
Created by: IKJCT466, IKJCT469, IKJCT472
Pointed to by: OCMTBPTR
Serialization: None
Function: Contains information about output processing.

OUTCOMB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	312	OUTCOMTB	OUTPUT'S COMMUNICATIONS TABLE
0	(0)	ADDRESS	4	OUTCPPL	ADDR OF COPY OF CPPL
4	(4)	CHARACTER	1	OUTMSGID	ID OF MESSAGE FOR '67 TO WRITE
5	(5)	CHARACTER	1	OUTFLAGS	FLAGS REQUIRED IN 67
		1...		KEY1	RUNNING IN KEY 1 SUPR STATE
6	(6)	SIGNED	2	OUTRTCD	RETN CODE PASSED TO MSG WRITER
8	(8)	CHARACTER	8	OUTMACN	NAME OF SVC100'S FAILING MACRO
16	(10)	CHARACTER	8	OUTCMDNM	COMMAND NAME FROM ECT VIA SVC100
24	(18)	ADDRESS	4	OUTATTN	ECB, POSTED BY ATTENTION EXIT
		1...		*	RESERVED
		.1..		POSTED	1 - POSTED BY EXIT
28	(1C)	CHARACTER	4	OUTEXTRA	FOR FUTURE USE (RESERVED)
32	(20)	CHARACTER	8	OUTEMPMN	TEMPNAME FOR PO DS
40	(28)	ADDRESS	4	OUTSOBH	ADDR OF SSOB HEADER
44	(2C)	ADDRESS	4	OUTSOBSS	ADDR OF SSSO CTL BLOCK
48	(30)	ADDRESS	4	OUTRPL	ADDR OF RPL
52	(34)	SIGNED	4	OUTRPLL	RPL LENGTH
56	(38)	ADDRESS	4	OUTACB	ADDR OF ACB, TO BE PUT IN RPL
60	(3C)	SIGNED	4	OUTACBL	ACB LENGTH
64	(40)	ADDRESS	4	OUTEMPSB	SAVE PTR TO SUBCMD FROM ATTN
68	(44)	CHARACTER	8	OUTHOLD	CURRENT RBA OF SYSOUT D.S.

Comment

THESE FIELDS ARE USED TO MAINTAIN THE SYSOUT RBA
 CORRESPONDING TO APPROXIMATELY 10 'PUT' LINES BACK. THIS IS
 USED FOR RESUMING TERMINAL PRINTING (C HERE) AFTER AN
 ATTENTION THUS MAKING UP FOR LOST TCAM BUFFERS. IT'S ALSO
 USED FOR CHKPTING THE CURRENT SYSOUT DS AFTER AN ATTN/END,
 ATTN/NEXT, OR TERMINATING ERROR.

End of Comment

76	(4C)	CHARACTER	8	OUTBKNEW	RBA OF SYSOUT CORRESPONDING TO THE LATEST 10TH RCD PUT. IT'S UPDATED EVERY 10 'PUTS'
84	(54)	CHARACTER	8	OUTBKAPX	RBA OF SYSOUT CORRESPONDING TO AT LEAST 10 'PUT' LINES BACK. IT'S SET EQUAL TO OUTBKNEW BEFORE OUTBKNEW IS UPDATED. THIS IS THE OFFICIAL RBA FOR CKPTING AND POINTING IN CERTAIN CASES.

OUTCOMB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
92	(5C)	SIGNED	4	OUTBKCNT	COUNT OF LINES 'PUT' SINCE LAST APPROXIMATION OF SYSOUT RBA
96	(60)	SIGNED	4	STRCTNUM	COUNTER FOR ELEMENT IN STRUCT
100	(64)	CHARACTER	20	O73PARM (4294967298:553731224)	PARAMETERS FOR PRINT/SAVE IN '71
100	(64)	ADDRESS	4	OUTDCB	ADDR OF PRINT OR SAVE DCB
104	(68)	CHARACTER	8	PRINTDDN	DDNAME OF DATASET ALLOC BY '73
112	(70)	ADDRESS	4	OUTBUFA	ADDR OF BUFFER FOR '71'S 'PUT'
116	(74)	SIGNED	4	*	*
116	(74)	CHARACTER	1	*	RESERVED
117	(75)	1...		*	RESERVED
		.1..		DSALLOC	1 - DATASET ALLOCATED
		..1.		DSOPEN	1 - DATASET OPENED
		...1		OUTRECV	1 - RECFMT IS VARIABLE FOR 'PUT'
		.... 1..		NEEDFREE	FREEMAIN NEEDED FOR 'PUT' BUF
		.... .1..		NEWDS	NEW DATASET ALLOCATED BY DAIR
		.... .1.		NOMEMNAM	NO MEMBER NAME FOR PO DS
		.... ...1		OUTRECUN	1 - RECFMT IS UNDEFINED
118	(76)	SIGNED	2	OUTBUFL	LENGTH OF 'PUT' BUFFER
140	(8C)	ADDRESS	4	OUTRECA	ADDR SYSOUT RCD FOR '71 TO PUT
144	(90)	SIGNED	2	OUTRECL	LTH SYSOUT RCD FOR '71 TO PUT
146	(92)	CHARACTER	2	OUTKEYWD	FLAGS FOR KEYWORDS ENTERED
		1...		PAUSE	1 - 'PAUSE' WAS ENTERED
		.1..		HOLD	1 - 'HOLD' WAS ENTERED
		..1.		HERE	1 - 'HERE' WAS ENTERED
		...1		BEGINKW	1 - 'BEGIN' WAS ENTERED
		.... 1..		NEXT	1 - 'NEXT' WAS ENTERED
		.... .1..		DELETE	1 - 'DELETE' WAS ENTERED
		.... .1.		PRINT	1 - 'PRINT' WAS ENTERED
		.... ...1		NEWCLASS	1 - 'NEWCLASS' WAS ENTERED
147	(93)	1...		KEEP	1 - 'KEEP' WAS ENTERED
		.1..		DEST	1 - 'DEST' WAS ENTERED
		..1.		SUBCONT	1 - 'CONTINUE' WAS ENTERED
		...1		SUBHERE	1 - 'HERE' WAS ENTERED
		.... 1..		SUBBEGN	1 - 'BEGIN WAS ENTERED
		.... .1..		SUBNEXT	1 - 'NEXT' WAS ENTERED
148	(94)	BITSTRING	2	OUTSW	INTER-MODULE SWITCHES
		1...		SUBSYS	SUBSYSTEM OPEN FOR PROCESSING
		.1..		SUBCMODE	1 - IN SUBCOMMAND MODE
		..1.		UNALCALL	1 - IKJCT473 IS BEING CALLED FOR CLOSE/UNALLOCATION ONLY
		...1		ENDSW	1 - QUIT COMMAND DUE TO 'END'
		.... 1..		ERROR	1 - QUIT CMD DUE TO CRITICAL ERROR
		.... .1..		ENDKEEP	SET TO OVERRIDE NOKEEP ON CMD IF END SUBCMD IN MIDDLE OF PROCESSING
		.... .1.		NOWORK	NO MORE JOBS OR CLASSES TO PROCESS
		.... ...1		HASPABND	ABEND IN HASP
149	(95)	1...		SYNADERR	SYNAD ERROR OCCURRED
		.1..		OPENED	SYSOUT DATASET OPENED
		..1.		NONTERM	1 - CLIST ISSUING CMDS
		...1		WORKDONE	1 - IF ANY ACTION TAKEN FOR A JOB / CLASSLIST
		.... 1..		ENDLIST	LAST CALL FOR A GIVEN JOBNAME IF DELETING OR ROUTING
150	(96)	BITSTRING	1	OUTIDSSW	INPUT (SYSPool) DATA SET FLAGS
		1...		POINT	1 - DO A POINT BEFORE NEXT GET
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		EODSW	EOD REACHED
		.... 1..		TERM	1 - PRINT(*) WAS ENTERED
		.... .1..		ALLOC	INDICATE SYSOUT HAS BEEN ALLOC
		.... .1.		INTRPMSG	NEED MSG - INTERRUPTED OUTPUT RESUMED
		.... ...1		*	RESERVED
151	(97)	BITSTRING	1	*	RESERVED
152	(98)	ADDRESS	4	OUTDARB	ADDR OF DYNALLOC REQ BLK FOR '67

Offsets							
Dec	Hex	Type/Value	Len	Name (Dim)	Description		
156	(9C)	ADDRESS	4	OUTDAIR	PTR TO DAIR PARM LIST FOR '67		
160	(A0)	ADDRESS	4	OUTPDL	ADDR OF COMMAND PDL		
164	(A4)	ADDRESS	4	OUTXMSG	ADDR OF USER SUPPLIED MSG		
164	(A4)	ADDRESS	4	OUTSYNMS	ADDR SYNAD MSG		
168	(A8)	ADDRESS	4	OUTXRPLY	ADDR OF REPLY TO USER MSG		
172	(AC)	ADDRESS	4	OUTTCBH	ADDR OF THE 'HELP' TCB		
176	(B0)	ADDRESS	4	OHHELPECB	ADDR OF HELP ECB		
180	(B4)	ADDRESS	4	OUTSBPDL	ADDR OF SUBCOMMAND PDL		
184	(B8)	ADDRESS	4	OUTSBBUF	ADDR OF SUBCOMMAND BUFFER		
188	(BC)	ADDRESS	4	OUTSTAE	SAVE R13, R14 IN ESTAE EXIT		
				(4294967298:553725952)			
196	(C4)	SIGNED	4	OUTWORK	MISC WORK AREA		
				(4294967308:553725952)			
244	(F4)	CHARACTER	8	CLASBUFF	0 OR 1 CLASS FOR PRINT OR 0 - 8 CLASSES FOR DELETE OR ROUTING		
252	(FC)	CHARACTER	8	OSYSODDN	SYSOUT DDNAME		
260	(104)	CHARACTER	16	OUTPLIST	PTRS FOR THE SECURITY EXIT		
260	(104)	ADDRESS	4	OUTCPDE1	FIRST CLASS PDE ON CHAIN		
264	(108)	ADDRESS	4	OPRDPDE	ADDR OF THE 'PRINT' PDE		
268	(10C)	ADDRESS	4	ONEWCPDE	ADDR OF THE 'NEWCLASS' PDE		
272	(110)	ADDRESS	4	ODESTPDE	ADDR OF THE 'DEST' PDE		
276	(114)	ADDRESS	4	OUTJBPDE	ADDR OF THE 'JOBNAME' PDE		
280	(118)	ADDRESS	4	OUTCLPDE	ADDR OF 1ST 'CLASS' PDE		
284	(11C)	ADDRESS	4	OSVDSPDE	ADDR 'SAVE DATASET' PDE		
288	(120)	ADDRESS	4	EWAPTR	PTR TO ESTAE WORK AREA		
292	(124)	ADDRESS	4	IOPLPTR	ADDR OF IOPL		
296	(128)	CHARACTER	16	IOPLAREA	IOPL CONTIG. TO OUTCOMTB		

OUTCOMB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ALLOC	96	04	OSVDSPDE	11C	
BEGINKW	92	10	OSYSODDN	FC	
CLASBUFF	F4		OUTACB	38	
DELETE	92	04	OUTACBL	3C	
DEST	93	40	OUTATTN	18	
DSALLOC	75	40	OUTBKAPX	54	
DSOPEN	75	20	OUTBKCNT	5C	
ENDKEEP	94	04	OUTBKNEW	4C	
ENDLIST	95	08	OUTBUFA	70	
ENDSW	94	10	OUTBUFL	76	
EODSW	96	10	OUTCLPDE	118	
ERROR	94	08	OUTCMDNM	10	
EWAPTR	120		OUTCOMTB	0	
HASPABND	94	01	OUTCPDE1	104	
HERE	92	20	OUTCPPL	0	
HOLD	92	40	OUTDAIR	9C	
INTRPMSG	96	02	OUTDARB	98	
IOPLAREA	128		OUTDCB	64	
IOPLPTR	124		OUTEMPMM	20	
KEEP	93	80	OUTEMPSB	40	
KEY1	5	80	OUTEXTRA	1C	
NEEDFREE	75	08	OUTFLAGS	5	
NEWCLASS	92	01	OUTHOLD	44	
NEWDS	75	04	OUTIDSSW	96	
NEXT	92	08	OUTJBPDE	114	
NOMEMNAM	75	02	OUTKEYWD	92	
NONTERM	95	20	OUTMACN	8	
NOWORK	94	02	OUTMSGID	4	
ODESTPDE	110		OUTPDL	A0	
OHHELPECB	B0		OUTPLIST	104	
ONEWCPDE	10C		OUTRECA	8C	
OPENED	95	40	OUTRECL	90	
OPRDPDE	108		OUTRECUN	75	01

OUTCOMB Cross Reference

Name	Hex Offset	Hex Value
OUTRECV	75	10
OUTRPL	30	
OUTRPLL	34	
OUTRTCD	6	
OUTSBBUF	B8	
OUTSBPDL	B4	
OUTSOBH	28	
OUTSOBSO	2C	
OUTSTAE	BC	
OUTSW	94	
OUTSYNMS	A4	
OUTTCBH	AC	
OUTWORK	C4	
OUTXMSG	A4	
OUTXRPLY	A8	
O73PARM	64	
PAUSE	92	80
POINT	96	80
POSTED	18	40
PRINT	92	02
PRINTDDN	68	
STRCTNUM	60	
SUBBEGN	93	08
SUBCMODE	94	40
SUBCONT	93	20
SUBHERE	93	10
SUBNEXT	93	04
SUBSYS	94	80
SYNADERR	95	80
TERM	96	08
UNALCALL	94	20
WORKDONE	95	10

PGPB Information

PGPB Programming Interface information

Programming Interface information

PGPB

End of Programming Interface information

PGPB Heading Information • PGPB Map

PGPB Heading Information

Common Name: TSO/E PUTGET Parameter Block
Macro ID: IKJPGPB
DSECT Name: PGPB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
Key: 1 or 8
Size: 16 bytes
Created by: PUTGET list form or caller of PUTGET
Pointed to by: IOPLIOPB field of the IOPL
Serialization: None
Function: PUTGET options, pointer to output line, and pointer to returned buffer.

PGPB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	16	PGPB	
Comment					
THE PUTGET PARAMETER BLOCK (PGPB) IS POINTED TO BY THE LIST PASSED TO PUTGET. PUTGET USES IT FOR CONTROL AS WELL AS RETURNING INFORMATION.					
End of Comment					
0	(0)	CHARACTER	12	*	INTERNAL TO GETLINE/PUTLINE
12	(C)	ADDRESS	4	PGPBIBUF	PTR TO OBTAINED INPUT LINE

PPL Information

PPL Programming Interface information

Programming Interface information

PPL

End of Programming Interface information

PPL Heading Information • PPL Map

PPL Heading Information

Common Name: PARSE Parameter List
Macro ID: IKJPPL
DSECT Name: PPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: Determined by caller
 Key: Determined by caller
Size: 32 bytes
Created by: Caller of Parse
Pointed to by: Register 1 on entry to Parse
Serialization: None
Function: The PARSE parameter list is built by a command processor and passed to PARSE via Register 1.

PPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	32	PPL	
Comment					
THE PARSE PARAMETER LIST (PPL) IS A LIST OF ADDRESSES PASSED FROM THE INVOKER TO PARSE VIA REGISTER 1					
End of Comment					
0	(0)	ADDRESS	4	PPLUPT	PTR TO UPT
4	(4)	ADDRESS	4	PPECT	PTR TO ECT
8	(8)	ADDRESS	4	PPECB	PTR TO CP'S ECB
12	(C)	ADDRESS	4	PPLPCL	PTR TO PCL
16	(10)	ADDRESS	4	PPLANS	PTR TO ANS PLACE
20	(14)	ADDRESS	4	PPLCBUF	PTR TO CMD BUFFER
24	(18)	ADDRESS	4	PPLUWA	PTR TO USER'S WORK AREA (FOR VALIDITY CK RTNS)
28	(1C)	ADDRESS	4	PPLVEWA	PTR TO USER'S WORK AREA FOR VERIFY EXITS

PSCB Information

PSCB Programming Interface information

Programming Interface information

PSCB

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

- PSCBATR2
- PSCBUPT

End of Programming Interface information

PSCB Heading Information • PSCB Map

PSCB Heading Information

Common Name: TSO/E Protected Step Control Block
Macro ID: IKJPSCB
DSECT Name: PSCB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230 or 252
 Key: 1
 Residency: Below 16M
Size: 108 bytes
Created by: IKJEFLA, IKJEFT01, IKJTSEV or TMP
Pointed to by: JSCBPSCB field of the JSCB
 LWAPSCB field of the LWA
Serialization: Responsibility of TMP
Function: Used to maintain user attributes and accounting data on a userid basis.

PSCB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	108	PSCB	
0	(0)	CHARACTER	7	PSCBUSER	USERID PADDED RIGHT WITH BLANKS
7	(7)	ADDRESS	1	PSCBUSRL	LENGTH OF USERID
8	(8)	CHARACTER	8	PSCBGPNM	ESOTERIC GROUP NAME INIT BY LOGON USED BY DYNAMIC ALLOC WHEN UNITNAME NOT SPECIFIED BUT IS REQUIRED
16	(10)	CHARACTER	2	PSCBATR1	A 16 BIT STRING OF USER ATTRIBUTES
		1...		PSCBCTRL	OPERATOR COMMAND USER
		.1...		PSCBACCT	ACCOUNT
		..1.		PSCBJCL	SUBMIT BITS
		...1		PSCBVMNT	CNTL VOL MOUNT AUTH Y02669
		.... 1...		PSCBATTN	LINE DELETE CHAR IS ATTN Y02669
		.... .1..		PSCBRCVR	EDIT RECOVER/NORECOVER

Comment

NOTE-- BIT PSCBRCVR IS USED DIFFERENTLY
 1 MEANS NO EDIT RECOVERY CAPABILITY
 0 MEANS EDIT RECOVERY CAPABILITY

End of Comment

		.... ..1.		PSCBRRBA	REPLACE USER RBA AT LOGOFF TIME
		.... ...1		PSCBCNAU	CONSOLE authority
17	(11)	BITSTRING	1	*	Not used
18	(12)	CHARACTER	2	PSCBATR2	A 16 BIT STRING CONTAINING THE USERDATA FIELD
20	(14)	UNSIGNED	4	PSCBLTIM	DOUBLEWORD FOR LOGON Y02669
24	(18)	UNSIGNED	4	PSCBLTI2	TIME IN STORE CLOCK Y02669 UNITS Y02669
28	(1C)	CHARACTER	1	PSCBSUBH	SUBMIT HOLD CLASS
29	(1D)	CHARACTER	1	PSCBSUBC	SUBMIT CLASS
30	(1E)	CHARACTER	1	PSCBSUBM	SUBMIT MSGCLASS
31	(1F)	CHARACTER	1	PSCBSOUT	SYSOULT CLASS
32	(20)	CHARACTER	1	*	RESERVED
33	(21)	CHARACTER	3	PSCBDRBA	ADDRESS OF USER MAIL DIRECTORY
36	(24)	SIGNED	4	*	RESERVED
40	(28)	CHARACTER	8	PSCBDEST	DEST FOR SYSOULT Y02669 DATA SETS Y02669
48	(30)	ADDRESS	4	PSCBRLGB	PTR TO RELOGON BUFFER
52	(34)	ADDRESS	4	PSCBUPT	PTR TO USER PROFILE TABLE
56	(38)	SIGNED	2	PSCBUPTL	LENGTH OF UPT
58	(3A)	CHARACTER	1	PSCBCHAR	USER'S CHAR DELETE CHAR Y02669
59	(3B)	CHARACTER	1	PSCBLINE	USER'S LINE DELETE CHAR Y02669

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
60	(3C)	ADDRESS	4	PSCBRSZ	REGION SIZE REQUESTED IN 2K UNITS
64	(40)	CHARACTER	8	PSCBU	RESERVED FOR INSTALLATION USE
72	(48)	CHARACTER	12	PSCBEXWD	LOGON INSTALLATION EXIT USER WORD STRUCTURE
72	(48)	UNSIGNED	4	PSCBEXK	KEY OF USER WORD
76	(4C)	UNSIGNED	4	PSCBEXL	LENGTH OF USER WORD
80	(50)	ADDRESS	4	PSCBEXD	THE USER WORD
84	(54)	UNSIGNED	4	*	RESERVED
88	(58)	UNSIGNED	4	*	RESERVED
92	(5C)	UNSIGNED	4	*	RESERVED
96	(60)	UNSIGNED	4	*	RESERVED
100	(64)	UNSIGNED	4	*	RESERVED
104	(68)	UNSIGNED	4	*	RESERVED

PSCB Cross Reference

Name	Hex Offset	Hex Value
PSCB	0	
PSCBACCT	10	40
PSCBATR1	10	
PSCBATR2	12	
PSCBATTN	10	08
PSCBCHAR	3A	
PSCBCNAU	10	01
PSCBCTRL	10	80
PSCBDEST	28	
PSCBDRBA	21	
PSCBEXD	50	
PSCBEXK	48	
PSCBEXL	4C	
PSCBEXWD	48	
PSCBGPNM	8	
PSCBJCL	10	20
PSCBLINE	3B	
PSCBLTIM	14	
PSCBLTI2	18	
PSCBRCLR	10	04
PSCBRLGB	30	
PSCBRRBA	10	02
PSCBRSZ	3C	
PSCBSOUT	1F	
PSCBSUBC	1D	
PSCBSUBH	1C	
PSCBSUBM	1E	
PSCBU	40	
PSCBUPT	34	
PSCBUPTL	38	
PSCBUSER	0	
PSCBUSRL	7	
PSCBVMNT	10	10

PTPB Information

PTPB Programming Interface information

Programming Interface information

PTPB

End of Programming Interface information

PTPB Heading Information • PTPB Map

PTPB Heading Information

Common Name: TSO/E PUTLINE Parameter Block
Macro ID: IKJPTPB
DSECT Name: PTPB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
Key: 1 or 8
Size: 12 bytes
Created by: PUTLINE list form or caller of PUTLINE
Pointed to by: IOPLIOPB field of the IOPL
Serialization: None
Function: The PTPB indicates the function requested by the caller to the PUTLINE service routine and returns output information to the caller.

PTPB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	12	PTPB	
Comment					
THE PUTLINE PARAMETER BLOCK (PTPB) IS POINTED TO BY THE PARAM. LIST PASSED TO PUTLINE. IT IS USED TO RETURN PERTINENT INFO. AS WELL AS CONTROL PUTLINE FUNCTIONS					
End of Comment					
0	(0)	CHARACTER	4	*	INTERNAL PUTLINE USAGE
4	(4)	ADDRESS	4	PTPBOPUT	ADDRESS OF OUTPUT LINE DESCRIPTOR OR DATA LINE
8	(8)	ADDRESS	4	PTPBFLN	PTR TO FORMATTED LINE RETURNED WHEN OUTPUT= ADDR,FORMAT) IS SPECIFIED

R1BC Information

R1BC Heading Information

Common Name: TSO/E Broadcast Data Set Record 1
Macro ID: IKJZT301
DSECT Name: R1BC
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 132 bytes
Created by: TSO/E commands accessing the Broadcast Data Set
Pointed to by: R1PTR
Serialization: Enqueue by relative block address
Function: Provides a mapping of the fields in the first record of the Broadcast Data Set.

R1BC Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	0	R1BC	, - RECORD 1 OF SYS1.BROADCAST DATA SET
0	(0)	ADDRESS	4	R1BCPTRP (0)	- SAME AS R1BCPTR BELOW
0	(0)	BITSTRING	1	R1BCFLGS	- NOTICES FLAGS - NOT USED
1	(1)	ADDRESS	3	R1BCPTR	- RELATIVE BLOCK ADDRESS (RBA) OF FIRST NOTICES DIRECTORY RECORD
4	(4)	ADDRESS	4	R1USPTRP (0)	- SAME AS R1USPTR BELOW
4	(4)	BITSTRING	1	R1USFLGS	- USER MAIL FLAGS - NOT USED
5	(5)	ADDRESS	3	R1USPTR	- RBA OF FIRST USER MAIL DIRECTORY RECORD
8	(8)	SIGNED	4	R1RECNUM	- TOTAL NO. OF RECORDS IN SYS1.BROADCAST DS
12	(C)	SIGNED	2	R1BCMAX	- MAXIMUM BROADCAST MSG NO. - FROM MASTER SCHEDULER BASEA, BABC MAX *
14	(E)	CHARACTER	24	R1DSN	- DATA SET NAME IN EBCDIC = 'SYS1.BROADCAST DATA SET '
38	(26)	CHARACTER	7	R1LEVEL	- LEVEL NO. = 'LEVEL N', WHERE 'N' IS A 1-DIGIT NUMBER
45	(2D)	CHARACTER	1		RESERVED
46	(2E)	CHARACTER	3	R1FRESRH	RBA OF FREE SEARCH RECORD
52	(34)	SIGNED	4	R1GENNUM	GENERATION NUMBER FOR IN-STORAGE NOTICE TABLE
56	(38)	CHARACTER	76		- RESERVED

R1BC Cross Reference

Name	Hex Offset	Hex Value
R1BC	0	
R1BCFLGS	0	
R1BCMAX	C	
R1BCPTR	1	
R1BCPTRP	0	
R1DSN	E	
R1FRESRH	2E	
R1GENNUM	34	
R1LEVEL	26	
R1RECNUM	8	
R1USFLGS	4	
R1USPTR	5	
R1USPTRP	4	

SSCS Information

SSCS Heading Information

Common Name: SSOB Extension for Cancel/Status Function
Macro ID: IEFSSCS
DSECT Name: SSCS
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: User subpool
 Key: User key
Size: 20 bytes for SSOB plus 40 bytes for extension
Created by: IKJEFF54, IKJEFF49, IKJEFF52
Pointed to by: SSOBINDV field of the SSOB
Serialization: None
Function: Parameter list for the subsystem interface.

SSCS Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	40	SSCS	CANCEL/STATUS FUNCTION DEPENDENT SECTION	
0	(0)	UNSIGNED	2	SSCSLEN	LENGTH OF SSCS	
2	(2)	BITSTRING	1	SSCSFLGS	USER SELECTION FLAGS	
		1...		SSCSUSID	USERID IS IN JOBNAME FIELD	
		.1...		SSCSCOUT	CANCEL THE JOBS OUTPUT Y02886	
		..11 1111		*	RESERVED FLAGS	
3	(3)	ADDRESS	1	SSCSULEN	USERID LENGTH	
4	(4)	CHARACTER	8	SSCSJOBN	JOB NAME	
12	(C)	CHARACTER	8	SSCSJOBI	JOB ID OR BLANKS	
20	(14)	UNSIGNED	2	SSCSDIMP	SET BY CALLER TO INDICATE SIZE OF ARRAY AVAIL. TO SUBSYS. TO STORE RESULTS IN	
22	(16)	UNSIGNED	2	SSCSDIMR	SET BY SUBSYSTEM TO INDICATE IF NOT ENOUGH AVAILABLE	

Comment

SSCSARRAY MAPS AN ELEMENT OF AN ARRAY GOTTEN BY THE CALLER FOR THE SUBSYSTEM TO RETURN RESULTS IN. IF MORE THAN ONE ELEMENT EXISTS, ADDRESSABILITY TO THIS ARRAY MUST BE UPDATED BY THE ELEMENT SIZE (SSCSSELSZ). THE TOTAL ARRAY SPACE USED FOR JOB STATUS REPLIES FROM THE SUBSYSTEM (ARRAY ELEMENT SIZE IN BYTES TIMES THE NUMBER OF ELEMENTS) MUST BE INDICATED IN SSCSDIMR. MESSAGES MUST FOLLOW THE LAST SSCSARRAY ELEMENT USED FOR JOB STATUS.

End of Comment

24	(18)	CHARACTER	16	SSCSARRAY (4294967297:553728264)	1 OR MORE AREAS GOTTEN BY THE CALLER, FOR THE SUBSYSTEM TO RETURN RESULTS IN (USED FOR STATUS ONLY)
24	(18)	CHARACTER	8	SSCSARID	JOB IDENTIFIER
32	(20)	BITSTRING	1	SSCSFLG1	SET BY SUBSYSTEM
		1...		SSCSJACT	JOB IS CURRENTLY ACTIVE (EXECUTING AFTER BEING GIVEN CONTROL BY THE INITIATOR)
		.1...		SSCSEXQC	JOB IS WAITING FOR EXECUTION (ON A PRE-EXECUTION QUEUE)
		..1.		SSCSOUTQ	JOB IS ON OUTPUT QUEUE
		...1		SSCSHOLD	JOB IS HELD IN ITS CURRENT QUEUE
		.... 1...		SSCSSECL	JOB HAS A 2ND LEVEL MSG
		.... .1..		SSCSNJE	JOB ACTIVE IN NJE
		.... ..11		*	RESERVED

SSCS Constants • SSCS Cross Reference

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
33	(21)	CHARACTER	1	SSCSUJOB	JOBNAME CHARACTER RETURNED BY SYBSYSTEM FOR USERID AS JOBNAME RESERVED
34	(22)	CHARACTER	2	*	
36	(24)	ADDRESS	4	SSCSMPTR	POINTER TO MESSAGE RETURNED IN ARRAY

SSCS Constants

Len	Type	Value	Name	Description
2	DECIMAL		SSOBCANC	FUNCTION ID TO CANCEL JOB
2	DECIMAL		SSOBSTAT	FUNCTION ID TO FIND THE STATUS OF A JOB

Comment

CANCEL/STATUS RETURN CODES (SSOBRETN)

End of Comment

4	DECIMAL	0	SSCSRTOK	CANCEL/STATUS COMPLETED
4	DECIMAL	4	SSCSNOJB	JOB NAME NOT FOUND
4	DECIMAL	8	SSCSBADI	INVALID JOBNAME/JOB ID COMBINATION
4	DECIMAL	12	SSCSNCAN	JOB NOT CANCELLED - DUPLICATE JOB NAMES AND NO JOB ID GIVEN
4	DECIMAL	16	SSCSMALL	STATUS ARRAY TOO SMALL
4	DECIMAL	20	SSCSOUTP	JOB NOT CANCELLED - JOB ON OUTPUT QUEUE
4	DECIMAL	24	SSCSYNTX	JOBID WITH INVALID SYNTAX FOR SUBSYSTEM YM06023
4	DECIMAL	28	SSCSICAN	INVALID CANCEL REQUEST - CANNOT CANCEL AN ACTIVE TSO USER OR STARTED TASK / TSO USERS MAY NOT CANCEL THE ABOVE JOBS UNLESS THEY ARE ON AN OUTPUT QUEUE YM06036
4	DECIMAL	32	SSCSAUTH	THE USER IS NOT AUTHORIZED TO ACCESS THE JOB

SSCS Cross Reference

Name	Hex Offset	Hex Value
SSCS	0	
SSCSARAY	18	
SSCSARID	18	
SSCSCOUT	2	40
SSCSDIMP	14	
SSCSDIMR	16	
SSCSEXCQ	20	40
SSCSFLGS	2	
SSCSFLG1	20	
SSCSHOLD	20	10
SSCSJACT	20	80
SSCSJOBI	C	
SSCSJOBN	4	
SSCSLEN	0	
SSCSMPTR	24	
SSCSNJEA	20	04
SSCSOUTQ	20	20
SSCSSECL	20	08
SSCSUJOB	21	
SSCSULEN	3	
SSCSUSID	2	80

STPB Information

STPB Programming Interface information

Programming Interface information

STPB

End of Programming Interface information

STPB Heading Information • STPB Cross Reference

STPB Heading Information

Common Name: TSO/E STACK Parameter Block
Macro ID: IKJSTPB
DSECT Name: STPB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
 Key: 1 or 8
Size: 20 bytes
Created by: Caller of IKJSTCK or STACK list form
Pointed to by: STPLSTPB field of the STPL
Serialization: None
Function: STACK options and pointer to LSD.

STPB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	24	STPB	
0	(0)	CHARACTER	4	*	FOR INTERNAL USE OF STACK
0	(0)	CHARACTER	1	*	INTERNAL USE ONLY
1	(1)	1111		*	INTERNAL USE ONLY
		.... 1...		SPBFLUSH	FLUSH ALL - IGNORE NOFLUSH
		.... .111		*	INTERNAL USE ONLY
4	(4)	ADDRESS	4	STPBALSD	ADDR OF (STORAGE) LSD
8	(8)	ADDRESS	4	STPBINDD	ADDR OF INPUT DDNAME
12	(C)	ADDRESS	4	STPBOTDD	ADDR OF OUTPUT DDNAME
16	(10)	ADDRESS	4	STPBMBRN	ADDR OF MEMBER NAME
20	(14)	ADDRESS	4	STPBECTA	ECT ADDRESS

STPB Cross Reference

Name	Hex Offset	Hex Value
SPBFLUSH	1	08
STPB	0	
STPBALSD	4	
STPBECTA	14	
STPBINDD	8	
STPBMBRN	10	
STPBOTDD	C	

STPL Information

STPL Programming Interface information

Programming Interface information

STPL

End of Programming Interface information

STPL Heading Information • STPL Map

STPL Heading Information

Common Name: TSO/E STACK Parameter List
Macro ID: IKJSTPL
DSECT Name: STPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0 or 1
Key: 1 or 8
Size: 16 bytes
Created by: Caller of IKJSTCK
Pointed to by: Register 1 on entry to IKJSTCK
Serialization: None
Function: Parameter list for IKJSTCK.

STPL Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	16	STPL	
Comment					
THE STACK PARAMETER LIST (STPL) IS A LIST OF ADDRESSES PASSED FROM THE INVOKER TO STACK VIA REGISTER 1					
End of Comment					
0	(0)	ADDRESS	4	STPLUPT	PTR TO UPT
4	(4)	ADDRESS	4	STPLECT	PTR TO ECT
8	(8)	ADDRESS	4	STPLECB	PTR TO CP'S ECB
12	(C)	ADDRESS	4	STPLSTPB	PTR TO STACK PARM BLOCK

TCOMTAB Information

TCOMTAB Programming Interface information

Programming Interface information

TCOMTAB

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

- INBUF
- TPLPTR
- TSTECT
- TSTUPT

End of Programming Interface information

TCOMTAB Heading Information • TCOMTAB Map

TCOMTAB Heading Information

Common Name: Test Command Processor Communication Table
Macro ID: TCOMTAB
DSECT Name: TCOMTAB
Owning Component: TSO/E TEST (28503)
Eye-Catcher ID: TCOMTAB
Offset: 0
Length: 8
Storage Attributes: Subpool: 78
Key: 8
Data Space: No
Residency: Above 16MB
Size: TCOMTAB 808 bytes
TCOM 816 bytes
Created by: IGC0009G on request by IKJEGINT
Pointed to by: Register 9
Serialization: None
Function: This macro maps the TEST command processor communication table (TCOMTAB) used by all subcommand processors and service routines which make up the TSO/E TEST command.

TCOMTAB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
0	(0)	STRUCTURE	808	TCOMTAB	

Comment

THIS MACRO MAPS THE TEST COMMAND PROCESSOR COMMUNICATION TABLE (TCOMTAB) USED BY ALL SUBCOMMAND PROCESSORS AND SERVICE ROUTINES WHICH MAKE UP THE TSO/TEST COMMAND.
CHANGE ACTIVITY --
E2115B8 - JBB2115 TSO/E FOR MVS/XA
OZ92954 ADD BIT TO TELL IKJEGATN TO BYPASS ATTENTION PROCESSING
E1402C4 - HTE1402 TSO/E RELEASE 4 VECTOR ARCHITECTURE ENHANCEMENTS.
E21D2MP - HTE21D2 TSO/E Version 2 Release 1 PARMLIB Support.
E21D2XX - HTE21D2 TSO/E Version 2 Release 1 for MVS SP 3 Architecture Enhancements.
PEI0136 - Loss of Exit Command and SubCommand User Word Key and Length data.
PEI0170 - Add pointer to E-type opcode table ("01")
PEI0220 - Footprinting
PEI0431 - Area for original INBUF to be saved in
PEI0661 - RUN processing completed flag added

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
PEI0810 - Add a flag to signify that the condition code must be saved.					
OY13125 - ADD FIELD TO SAVE THE PSW CC FOR IKJEG LDF AND ADD BIT TO INDICATE TO SVC97 TO RESTORE PSWCC. See PEI0810 line flags.					
PHN0013 - Add pointer to E5 opcode table					
OY16440 - ADD BIT FOR LIST PROCESSING THAT WILL INDICATE THAT IGC0009G ROUTINE VALIDCHK WILL BE INVOKED TO CHECK THE BEGINNING AND END ADDRESS OF THE RANGE USED BY IKJEG LST'S LSTBPT ROUTINE. ALSO ADD TWO WORDS FOR USE BY IKJEG LST FOR WORKAREAS.					
PHN0041 - Remove unwanted (extra) lines					
E23D2D9 - TSO/E 2.3.0 APPC TEST ENABLEMENT SUPPORT					
E24D2B1 - 2.4.0 PDSE load module support					
A-000000-999999					
End of Comment					
0	(0)	ADDRESS	4	ECBPP	PP DISPATCHABILITY ECB.
4	(4)	CHARACTER	16	ECBLIST	BEGINNING OF ECBLIST FOR WAIT.
4	(4)	ADDRESS	4	ECBTST	PTR TO TEST DISPATCHABILITY ECB.
8	(8)	ADDRESS	4	ECBTERM	PTR TO PP TERMINATION ECB.
12	(C)	ADDRESS	4	ECBTMPS	PTR TO STAE ECB.
16	(10)	ADDRESS	4	ECBTMPA	PTR TO ATTENTION ECB.
20	(14)	ADDRESS	4	ECBLOG	PTR TO STOP/MODIFY ECB.
24	(18)	ADDRESS	4	TSTTCB	PTR TO THE TEST TCB.
28	(1C)	ADDRESS	4	PPTCB	PTR TO THE PROBLEM PROGRAM TCB.
32	(20)	ADDRESS	4	IBMCTAB	PTR to the IBM cmd table
36	(24)	ADDRESS	4	USRCTAB	PTR to the User cmd table
40	(28)	ADDRESS	4	OUTBUF	PTR TO GENERAL OUTPUT BUFFER.
44	(2C)	ADDRESS	4	BLDLAREA	ADDRESS OF BLDL ENTRY USED BY IKJEGINT AND IKJEG LDR.
44	(2C)	ADDRESS	4	CONAREA	PTR TO OUTPUT AREA USED BY CONVERT RTN.
48	(30)	ADDRESS	4	WORKAREA	PTR TO GENERAL WORK AREA.
52	(34)	ADDRESS	4	REGSAVE1	PTR TO SAVE AREA FOR MAINLINE.
56	(38)	ADDRESS	4	REGSAVE2	PTR TO SAVE AREA FOR COMMANDS.
60	(3C)	ADDRESS	4	REGSAVE3	PTR TO SAVE AREA FOR VALIDITY CHECKERS.
64	(40)	ADDRESS	4	REGSAVE4	PTR TO SAVE AREA FOR IKJEGCVT.
68	(44)	ADDRESS	4	REGSAVE5	PTR TO SAVE AREA FOR IKJEGIO.
72	(48)	ADDRESS	4	REGSAVE6	PTR TO SAVE AREA FOR IKJEGSRH.
76	(4C)	SIGNED	2	TSTIODSL	LENGTH OF IKJEGIO DSNAME QUEUE ELEMENT
78	(4E)	SIGNED	2	TSTDCBL	LENGTH OF DCB USED BY IKJEGIO
80	(50)	ADDRESS	4	TPLPTR	PTR TO TPL
84	(54)	SIGNED	2	TMPLL	LINE LENGTH
86	(56)	UNSIGNED	1	*	*** RESERVED SPACE ***
87	(57)	UNSIGNED	1	TSTESTRC	ESTAE ERROR RETURN CODE
88	(58)	ADDRESS	4	TSTWHR	PTR TO COMMAND LIB DCB.
92	(5C)	CHARACTER	16	PARMLIST	PARM LIST FOR CALLING SERVICE ROUTINES.
92	(5C)	ADDRESS	4	TSTUPT	PTR TO UPT.
96	(60)	ADDRESS	4	TSTECT	PTR TO ECT.
100	(64)	ADDRESS	4	TSTCPECB	PTR TO CP ECB.
104	(68)	ADDRESS	4	TSTANSPL	ANSWER PLACE FOR PARSE SERVICE ROUTINE.
108	(6C)	ADDRESS	4	TSTVSMAD	ADDRESS OF AREA REQUIRED FOR VSMLIST INVOCATIONS
112	(70)	SIGNED	4	TSTVSM L	LENGTH OF AREA PASSED TO VSMLIST
116	(74)	UNSIGNED	1	TSTRYCD	SUBCOMMAND ID.
117	(75)	CHARACTER	1	TSTPSWCC	The problem programs CC
118	(76)	CHARACTER	2	*	*** Reserved Space ***
120	(78)	ADDRESS	4	INBUF	PTR TO BUFFER CONTAINING SUBCMD.
124	(7C)	ADDRESS	4	TSTIODSN	HEAD OF DSNAME CHAIN FOR IKJEGIO 'PRINT'.
128	(80)	ADDRESS	4	TSTIO	ENTRY POINT OF GET ROUTINE IKJEGIO.
132	(84)	CHARACTER	4	TSTFLGSX	WORD OF FLAGS FOR TEST
132	(84)	CHARACTER	1	TSTAMODE	IF HIGH ORDER BIT IS ON

TCOMTAB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
THEN TESTED PROGRAM IS IN 31-BIT ADDRESSING MODE.					
End of Comment					
		1... ..		TSTAMD31	Tested program is in AMode31 TSTAMODE is ORed with the firstbyte of the RBOPSW so the other bits must be set to zeros and not reused
		.111 1111		*	Reserved
133	(85)	CHARACTER	1	TSTFLGSA	TEST Flags A
		1... ..		RUNSW2	RUN process complete
		.1.. ..		TSTLOOP	BIT TO INDICATE THAT IKJEG LST IS VALIDITY CHECKING AN ADDRESS RANGE
		..1.		TREQACTV	APPC test request active
		...1		TKEEP TP	whether to keep TP when test ends
		.... 1..		TSTAMD64	Tested program is in AMode64 TSTAMD31 must also be set to one as these bits will be used to replace bits 31 and 32 of the RBOPSW and AMode64 needs a '11'B pattern
		.... .111		*	Reserved
134	(86)	CHARACTER	1	TSTFLGSB	RESERVED FOR TEST FLAGS.
135	(87)	CHARACTER	1	TSTFLGSC	RESERVED FOR TEST FLAGS.
136	(88)	ADDRESS	4	ASMADOPP	Pointer to opcode service
140	(8C)	ADDRESS	4	TSTCONVT	ENTRY POINT OF IKJEGCVT.
144	(90)	ADDRESS	4	TSTADDR	ENTRY POINT OF ADDRESS BUILD SUBROUTINE.
148	(94)	ADDRESS	4	TSTSTAE	ENTRY POINT OF STAE EXIT RTN (IKJEGSTA).
152	(98)	CHARACTER	4	TSTFLGS	NAME FOR 4 BYTES FLAGS
152	(98)	BITSTRING	1	TSTFLGS1	TEST FLAGS, BYTE 1.
		1... ..		PCHLSTVL	PATCH LIST SWITCH.
		.1.. ..		FORGOUSE	USED BY IKJEGGO ONLY
		..1.		TSTPRINT	PRINT SWITCH.
		...1		TSTFIRST	FIRST TIME SWITCH.
		.... 1..		RANGESW	INDICATES PDE IS FOR ADDRESS RANGE.
		.... .1..		TSTBUILD	'AT' SWITCH FOR DEFER CHECK.
		.... .1.		ENDSW	INDICATES 'END' TO MAINLINE.
		.... ...1		RUNSW	INDICATES 'RUN' TO MAINLINE.
153	(99)	BITSTRING	1	TSTFLGS2	TEST FLAGS, BYTE 2.
		1... ..		TSTLDF	IKJEG LDF TASK-SWITCH INDICATOR.
		.1.. ..		TSTXCTL	STAE XCTL INDICATOR.
		..1.		TOFFDEF	NO ACTIVE BREAKPOINTS.
		...1		TSTLDFX	ALET addr checking
		.... 1..		TADDROUT	LOAD MODULE FOUND UNDER TCB.
		.... .1..		TWHRLOAD	VALID LOAD MODULE CHECK.
		.... .1.		TSTQUAL	QUALIFICATION IS IN PROCESS
		.... ...1		TMYIOMSG	IKJEGIO MESSAGE SWITCH.
154	(9A)	BITSTRING	1	TSTFLGS3	TEST FLAGS, BYTE 3.
		1... ..		TSTGOSW	SPECIAL BREAKPOINT TYPE SWITCH.
		.1.. ..		TSTSTAI	PROBLEM PROGRAM ABEND INDICATOR.
		..1.		SYMMESG	SYM 'NO DIAGNOSTIC' SWITCH.
		...1		TCSECTCK	CSECT ONLY DEFER QUEUE CLEAR.
		.... 1..		TDUPNAME	DEFER QUEUE DUPLICATE NAME BIT.
		.... .1..		TSTLINK	SUB-CMD 'LINK FAILED' INDICATOR.
		.... .1.		TSTHELP	INDICATES THAT A TSO COMMAND IS ATTACHED BY TEST
		.... ...1		TSTTSOC	INDICATES THAT A TSO COMMAND IS ATTACHED BY TEST
		.... ...1		NOPARMS	INDICATES NO PARAMETERS WITH CMD.
155	(9B)	BITSTRING	1	TSTFLGS4	TEST FLAGS, BYTE 4.
		1... ..		TSTA	TEST'S INPUT IS NOT FROM A STACK.
		.1.. ..		TSTB	A STACKED TERMINAL ELEM. IS PRESENT
		..1.		TSTFLUSH	FORCE TCLEARQ AND POSSIBLE STACK FLUSH.
		...1		TSTRERTN	A RETRY IS IN PROCESS.
		.... 1..		TSTESTAE	ESTAE IS INVOKING I/O FOR MESSAGE.

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .1..		TSTSVCAB	SVC ABEND IS IN PROCESS
		.... ..1.		TSTPERC	THIS RETRY ROUTINE WAS PERCOLLATED
		.... ...1		TSTVALCK	INDICATES PARSE VALIDITY CHECK IN PROCESS.
156	(9C)	ADDRESS	4	BREAKTAB	PTR TO FIRST BREAK ELEMENT.
160	(A0)	ADDRESS	4	DEFERTAB	PTR TO DEFERRED CMD LIST.
164	(A4)	ADDRESS	4	PPLOAD	PTR TO CURRENT BASE FOR RELATIVES.
168	(A8)	ADDRESS	4	PPTEMP	TEMPORARY BASE FOR RELATIVES.
172	(AC)	ADDRESS	4	SUBCHAIN	PTR TO BREAKPOINT SUBCOMMAND CHAIN.
176	(B0)	UNSIGNED	4	TSTGO	RESUME ADDRESS AFTER BREAKPOINT.
176	(B0)	UNSIGNED	4	TSTGOPSW	SECOND WORD OF RBOPSW FIELD.
180	(B4)	UNSIGNED	1	TSTGOWCF	WAIT COUNT FROM RBWCF FIELD.
181	(B5)	BITSTRING	1	TSTFLGS5	TEST FLAGS, BYTE 5.
		1...		SKIPATTN	BYPASS ATTENTION PROCESSING
		.1..		TSTNOALT	Suppress ALET on an address
		..1.		TSTALETY	ALET associated with address
		...1		TSTMSGL2	Bypass message for next occurrence of conversion of an address in CVT
		.... 1...		TSTSYMAL	ALET Associated W/ symbol
		.... ..1..		TSTRESCC	Restore problem programs CC
		.... ..1.		TSTFOUND	Command found flag
		.... ...1		TSTPARM	Parmlib support is enabled
182	(B6)	SIGNED	2	TSTSVC	AN SVC 97 INSTRUCTION (0A61).
184	(B8)	ADDRESS	4	PPRB	CURRENT PROBLEM PROGRAM RB ADDRESS.
188	(BC)	ADDRESS	4	TSTIODCB	PTR TO OPEN PRINT DCB.
192	(C0)	ADDRESS	4	CALLPARM	HEAD OF CHAIN FOR PARMS BUILT BY 'CALL'.
196	(C4)	ADDRESS	4	*	*** RESERVED SPACE ***
200	(C8)	CHARACTER	8	INTSTDDN	DDNAME FOR DATA SET SPECIFIED ON THE TEST COMMAND - USED BY IKJEGINT AND IKJEGLDR.
200	(C8)	CHARACTER	8	TSTCURLD	CURRENTLY QUALIFIED LOAD NAME.
208	(D0)	CHARACTER	8	TERMDD	DDNAME FOR TERMINAL USED BY OS LOADER.
208	(D0)	CHARACTER	8	TSTCURCT	CURRENTLY QUALIFIED CSECT NAME.
216	(D8)	ADDRESS	4	TSTSYMBA	CURRENTLY QUALIFIED SYMBOLIC ADDR BASE.
220	(DC)	ADDRESS	4	TSTTRN	HEAD OF SAVE INFORMATION CHAIN.
224	(E0)	ADDRESS	4	SICHAIN	HEAD OF SYMBOL INFORMATION CHAIN.
228	(E4)	ADDRESS	4	TSTSYMWK	PTR TO SYMBOL PROCESSING WORK AREA.
232	(E8)	ADDRESS	4	SYMTABLE	PTR TO IN-CORE SYMBOL TABLE.
236	(EC)	UNSIGNED	4	PPEXIT	BREAKPOINT & EXIT SVC'S FOR PP TERM
236	(EC)	SIGNED	2	PPEXIT1	AN SVC 97 INSTRUCTION (0A61).
238	(EE)	SIGNED	2	PPEXIT2	AN SVC 3 INSTRUCTION (0A03).
240	(F0)	ADDRESS	4	TSTDTCB	HEAD OF OVLY DCB CHAIN.
244	(F4)	ADDRESS	4	OPCODTAB	PTR TO TABLE OF VALID OPERATION CODES.
248	(F8)	ADDRESS	4	TSTOPCD2	PTR TO TABLE FOR TWO BYTE S/370 OPERATION CODES.
252	(FC)	ADDRESS	4	TSTCADDR	CURRENT ADDRESS BEING VALIDITY CHECKED BY IKJEGLST 'LSTBPT' ROUTINE
256	(100)	ADDRESS	4	TSTOPCD3	Address of E5 Opcode table
260	(104)	ADDRESS	4	TSTHTCB	POINTER TO THE TCB FOR AN ATTACHED TSO COMMAND.
260	(104)	ADDRESS	4	TSTOTCB	POINTER TO THE TCB FOR AN ATTACHED TSO COMMAND.
264	(108)	CHARACTER	8	TSTAQUAL	EBCDIC LOAD MODULE NAME.
272	(110)	ADDRESS	4	TSTAQEP	ENTRY POINT OF LOAD MODULE.
276	(114)	ADDRESS	4	TSTRSTRT	RESTART ADDRESS FOR STAE PROCESSING
280	(118)	ADDRESS	4	TSTSRHRT	ADDRESS OF RESIDENT ADDRESS VALIDITY CHECK ROUTINE.
284	(11C)	CHARACTER	20	TSTSTAX	STAX PARAMETER LIST
304	(130)	SIGNED	4	TSTDSECB	TEST DISPATCHABILITY ECB.
308	(134)	CHARACTER	56	TSTMNLWK	WORK AREA FOR EXCLUSIVE

TCOMTAB Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
USE OF MNL					
End of Comment					
364	(16C)	CHARACTER	84	TSTIOPRM	IO PARAMETER BLOCK
448	(1C0)	CHARACTER	4	TSTSVCM1	SVC FIRST LEVEL MESSAGE NO.
452	(1C4)	CHARACTER	4	TSTSVCM2	SVC SECOND LEVEL MESSAGE NO.
456	(1C8)	ADDRESS	4	TSTOPCD4	ADDRESS OF A4 OPCODE TABLE
460	(1CC)	ADDRESS	4	TSTOPCD5	ADDRESS OF A5 OPCODE TABLE
464	(1D0)	ADDRESS	4	TSTOPCD6	ADDRESS OF A6 OPCODE TABLE
468	(1D4)	ADDRESS	4	ABNDTCB	ABENDING TCB ADDR
472	(1D8)	CHARACTER	56	TSTECTSV	ECT SAVE AREA.
528	(210)	ADDRESS	4	TSTOPCD7	ADDRESS OF E4 OPCODE TABLE
532	(214)	SIGNED	4	TSTVPRM	VECTOR FACILITY PARAMETERS
532	(214)	SIGNED	2	TSTVSS	VECTOR SECTION SIZE
534	(216)	SIGNED	2	TSTVPS	VECTOR PARTIAL SUM NUMBER
536	(218)	UNSIGNED	4	TSTALET1	ALET value for address
540	(21C)	UNSIGNED	4	TSTALET2	ALET value for second address of a range
544	(220)	CHARACTER	8	TSTMSGCD	Message code fields
544	(220)	UNSIGNED	4	TSTMSG1N	First level message number
548	(224)	UNSIGNED	4	TSTMSG2N	Second level message number
552	(228)	ADDRESS	4	TSTEGARM	Address of IKJEGARM
556	(22C)	ADDRESS	4	TSTEGCOM	Address of IKJEGCOM
560	(230)	ADDRESS	4	TSTEGAR1	Address of IKJEGAR1
564	(234)	ADDRESS	4	TSTEGAR2	Address of IKJEGAR2
568	(238)	ADDRESS	4	TSTEGAR3	Address of IKJEGAR3
572	(23C)	UNSIGNED	4	TSTGEN	Current Parmlib generation number
576	(240)	CHARACTER	19	TSTCBLK	Pseudo-command entry generated by last command scan
576	(240)	UNSIGNED	1	TSTCBCL	Length of command name = 8
577	(241)	CHARACTER	8	TSTCBCN	Storage for command name
585	(249)	UNSIGNED	1	TSTCBAL	Length of alias name = 0
586	(24A)	CHARACTER	8	TSTCBLN	Name of command load module
594	(252)	UNSIGNED	1	TSTCBCI	ID of command name
595	(253)	UNSIGNED	1	*	*** Reserved space ***
596	(254)	ADDRESS	4	TSTTSOCD	Pointer to local copy of IKJEGTCT
600	(258)	ADDRESS	4	TSTSUBCD	Pointer to local copy of IKJEGSCT
604	(25C)	UNSIGNED	2	TSTTSOLN	Length of local IKJEGTCT
606	(25E)	UNSIGNED	2	TSTSUBLN	Length of local IKJEGSCT
608	(260)	ADDRESS	4	TSTPDECM	PDE ptr returned from prompt
612	(264)	CHARACTER	4	TSTALERC	ALET addr check RC
616	(268)	CHARACTER	20	TSTS9G01	S9G macro workarea
636	(27C)	ADDRESS	4	REGSAVE7	Save area ptr
640	(280)	ADDRESS	4	REGSAVE8	Save area ptr
644	(284)	ADDRESS	4	REGSAVE9	Save area ptr
648	(288)	CHARACTER	48	TSTFTPRT	TEST Footprint Area
648	(288)	CHARACTER	24	TSTFTCUR	Current module
672	(2A0)	CHARACTER	24	TSTFTOLD	Previous module
696	(2B8)	ADDRESS	4	TSTOPCD8	Address of 01 OPcode table
700	(2BC)	CHARACTER	24	TSTFTTMP	Footprint Temporary Save
724	(2D4)	SIGNED	4	TSTECOMB	Exit Command buffer ptr
728	(2D8)	SIGNED	4	TSTESUBB	Exit SubCommand buffer ptr
732	(2DC)	CHARACTER	12	TSTUWENT	Exit Communication word entry
732	(2DC)	UNSIGNED	4	TSTUWKEY	Exit Communication word Key
736	(2E0)	UNSIGNED	4	TSTUWLEN	Exit Communication word Length
740	(2E4)	UNSIGNED	4	TSTUWORD	Exit Communication word Data
744	(2E8)	CHARACTER	12	TSTSWENT	Exit SubCmd UserWord Entry
744	(2E8)	UNSIGNED	4	TSTSWKEY	Exit SubCmd UserWord Key
748	(2EC)	UNSIGNED	4	TSTSWLEN	Exit SubCmd UserWord Len
752	(2F0)	UNSIGNED	4	TSTSWORD	Exit SubCmd UserWord Data
756	(2F4)	UNSIGNED	4	TSTORIGI	Original INBUF save area
760	(2F8)	ADDRESS	4	TSTCPAGE	CURRENT PAGE ADDRESS USED BY IKJEGLST 'LSTBPT' ROUTINE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
764	(2FC)	CHARACTER	8	TCOMTPID	TPID for the TP being tested
772	(304)	ADDRESS	4	TSTMNLW2	ADDR of second part MNL workarea
776	(308)	CHARACTER	8	SMSPDSE	PDSE STARTD/ENDD Token
784	(310)	BITSTRING	1	TSTFLGS6	TEST flags, byte 6.
		1...		INITEINV	Initialization exit invokd
		.1..		TSTCVTMG	Issue message if convert fails
785	(311)	CHARACTER	3	*	*** Reserved Space ***
788	(314)	CHARACTER	20	*	*** Reserved space ***

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	816	TCOM	NAME FOR TCOMTAB INCLUDING PREFIX
0	(0)	CHARACTER	8	TCOMPREF	TCOMTAB PREFIX
0	(0)	CHARACTER	8	TCOMID	TCOMTAB ID: 'TCOMTAB'
8	(8)	CHARACTER	808	*	TCOMTAB PROPER

TCOMTAB Constants

Len	Type	Value	Name	Description
4	DECIMAL	8	TCOMPREL	LENGTH OF TCOMTAB PREFIX
4	DECIMAL	816	TCOMLTH	LENGTH INCLUDING PREFIX AREA
4	DECIMAL	256	OUTBUFRL	LENGTH OF OUTPUT BUFFER.
4	DECIMAL	72	CONAREAL	LENGTH OF CONVERT WORK AREA
4	DECIMAL	432	REGSAVEL	LENGTH OF 6 REGISTER SAVE AREAS.
1	BIT	11011111	TREQAOFF	

TCOMTAB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ABNDTCB	1D4		REGSAVE1	34	
ASMADOPP	88		REGSAVE2	38	
BLDLAREA	2C		REGSAVE3	3C	
BREKATB	9C		REGSAVE4	40	
CALLPARM	C0		REGSAVE5	44	
CONAREA	2C		REGSAVE6	48	
DEFERTAB	A0		REGSAVE7	27C	
ECBLIST	4		REGSAVE8	280	
ECBLOG	14		REGSAVE9	284	
ECBPP	0		RUNSW	98	01
ECBTERM	8		RUNSW2	85	80
ECBTMPA	10		SICHAIN	E0	
ECBTMPS	C		SKIPATTN	B5	80
ECBTST	4		SMSPDSE	308	
ENDSW	98	02	SUBCHAIN	AC	
FORGOUSE	98	40	SYMMESG	9A	20
IBMCTAB	20		SYMTABLE	E8	
INBUF	78		TADDROUT	99	08
INITEINV	310	80	TCOM	0	
INTSTDDN	C8		TCOMID	0	
NOPARMS	9A	01	TCOMPREF	0	
OPCODTAB	F4		TCOMTAB	0	
OUTBUF	28		TCOMTPID	2FC	
PARMLIST	5C		TCSECTCK	9A	10
PCHLSTVL	98	80	TDUPNAME	9A	08
PPEXIT	EC		TERMDD	D0	
PPEXIT1	EC		TKEEPPT	85	10
PPEXIT2	EE		TMPLL	54	
PPLOAD	A4		TMYIOMSG	99	01
PPRB	B8		TOFFDEF	99	20
PPTCB	1C		TPLPTR	50	
PPTMP	A8		TREQACTV	85	20
RANGESW	98	08	TSTA	9B	80

TCOMTAB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TSTADDR	90		TSTIO	80	
TSTALERC	264		TSTIODCB	BC	
TSTALETY	B5	20	TSTIODSL	4C	
TSTALET1	218		TSTIODSN	7C	
TSTALET2	21C		TSTIOPRM	16C	
TSTAMD31	84	80	TSTLDF	99	80
TSTAMD64	85	08	TSTLDFX	99	10
TSTAMODE	84		TSTLINK	9A	04
TSTANSPL	68		TSTLOOP	85	40
TSTAQEP	110		TSTMNLWK	134	
TSTAQUAL	108		TSTMNLW2	304	
TSTB	9B	40	TSTMSGCD	220	
TSTBUILD	98	04	TSTMSG2	B5	10
TSTCADDR	FC		TSTMSG1N	220	
TSTCBAL	249		TSTMSG2N	224	
TSTCBCI	252		TSTNOALT	B5	40
TSTCBCL	240		TSTOPCD2	F8	
TSTCBCN	241		TSTOPCD3	100	
TSTCBLK	240		TSTOPCD4	1C8	
TSTCBLN	24A		TSTOPCD5	1CC	
TSTCONVT	8C		TSTOPCD6	1D0	
TSTCPAGE	2F8		TSTOPCD7	210	
TSTCPECB	64		TSTOPCD8	2B8	
TSTCURCT	D0		TSTORIGI	2F4	
TSTCURLD	C8		TSTOTCB	104	
TSTCVTMG	310	40	TSTPARAM	B5	01
TSTDCEB	F0		TSTPDECM	260	
TSTDCEBL	4E		TSTPERC	9B	02
TSTDSECB	130		TSTPRINT	98	20
TSTECOMB	2D4		TSTPSWCC	75	
TSTECT	60		TSTQUAL	99	02
TSTECTSV	1D8		TSTRERTN	9B	10
TSTEGARM	228		TSTRESCC	B5	04
TSTEGAR1	230		TSTRSTRT	114	
TSTEGAR2	234		TSTRTYCD	74	
TSTEGAR3	238		TSTRHRT	118	
TSTEGCOM	22C		TSTSTAE	94	
TSTESTAE	9B	08	TSTSTAI	9A	40
TSTESTRC	57		TSTSTAX	11C	
TSTESUBB	2D8		TSTSUBCD	258	
TSTFIRST	98	10	TSTSUBLN	25E	
TSTFLGS	98		TSTSVC	B6	
TSTFLGSA	85		TSTSVCAB	9B	04
TSTFLGSB	86		TSTSVCM1	1C0	
TSTFLGSC	87		TSTSVCM2	1C4	
TSTFLGSX	84		TSTSWENT	2E8	
TSTFLGS1	98		TSTSWKEY	2E8	
TSTFLGS2	99		TSTSWLEN	2EC	
TSTFLGS3	9A		TSTSWORD	2F0	
TSTFLGS4	9B		TSTSYMAL	B5	08
TSTFLGS5	B5		TSTSYMBA	D8	
TSTFLGS6	310		TSTSYMWK	E4	
TSTFLUSH	9B	20	TSTS9G01	268	
TSTFOUND	B5	02	TSTTCB	18	
TSTFTCUR	288		TSTTRN	DC	
TSTFTOLD	2A0		TSTTSOC	9A	02
TSTFTprt	288		TSTTSOCD	254	
TSTFTTMP	2BC		TSTTSOLN	25C	
TSTGEN	23C		TSTUPT	5C	
TSTGO	B0		TSTUWENT	2DC	
TSTGOPSW	B0		TSTUWKEY	2DC	
TSTGOSW	9A	80	TSTUWLEN	2E0	
TSTGOWCF	B4		TSTUWORD	2E4	
TSTHELP	9A	02	TSTVALCK	9B	01
TSTHTCB	104		TSTVPARAM	214	

Name	Hex Offset	Hex Value
TSTVPS	216	
TSTVSMAD	6C	
TSTVSMML	70	
TSTVSS	214	
TSTWHR	58	
TSTXCTL	99	40
TWHRLOAD	99	04
USRCTAB	24	
WORKAREA	30	

TIB Information

TIB Heading Information

Common Name: TMP Interface Block
Macro ID: IKJTIB
DSECT Name: TIB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: TIB
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
Size: 112 bytes
Created by: IKJEFT02 for an authorized command
 IGX00035 for the TSO/E service facility
Pointed to by: IKJTMP3
 TMP3TIBQ LIFO queue chained by TIBCHAIN
Serialization: Needed to change TIBCHAIN - ENQ/DEQ Major name
 SYSZTSOE, minor name = TCBAxxxx where xxxx is the
 active IKJEFT02's TCB address at the time of the
 parallel service request (obtain from TMP3AT02).
Function: The TMP interface block represents a request to the TMP to
 process a command or program while the requesting task
 structure is set non-dispatchable. It contains a pointer to
 the parallel service parameters or command buffer, an ECB
 used to indicate when the request is complete, the TCB for
 the requesting task structure, output fields, processing
 flags used by the TMP, a pointer to the command entered
 after an attention or ABEND, a pointer to the protected TMP
 work area for the requesting task structure, and a pointer
 to the parameter list to restart I/O after the request is
 complete. Also declared in this macro are the constants for
 the TSO/E Service Facility return codes and reason codes.

TIB Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	160	TIB	
0	(0)	CHARACTER	4	TIBTIB	ACRONYM IN EBCDIC 'TIB '
4	(4)	UNSIGNED	1	TIBLEV	TIB VERSION
5	(5)	CHARACTER	1	TIBFLAGS	FLAGS
		1...		TIBBLDNP	A NULL PARAMETER LIST MUST BE BUILT FOR INPUT TO THE REQUESTED PROGRAM
		.1..		TIBVERIP	VERIFY THE PSP
		..1.		TIBT02AE	DO T02 STYLE ATTENTION AND ERROR HANDLING
		...1		TIBT08S1	T08 STAGE 1 IS COMPLETE AND A PARALLEL T08 WILL OR DOES EXIST
		.... 1...		TIBT08S2	T08 STAGE 2 IS COMPLETE.
		.... .1..		TIBSTMOD	STOP MODIFY HAS BEEN POSTED IN PARALLEL SIDE
		.... ..1.		TIBCAUTH	AUTHORITY OF THE REQUESTOR OF THE SERVICE.

TIB Map

Offsets		Type/Value.... ...1	Len	Name (Dim)	Description
Dec	Hex				
				TIBESTCA	Flag set to 1 if IKJEFT01's ESTAE was changed to CANCEL=NO for this request. If set, the ESTAE should be restored to CANCEL=YES when the T02 task structure for this TIB is terminated.
6	(6)	UNSIGNED	1	TIBCKEY	KEY OF THE REQUESTOR OF THE SERVICE
7	(7)	UNSIGNED	1	TIBFLAG2	FLAGS
		1...		TIBPRODS	WHEN SET TO 1 INDICATES THAT THE DATA STACK WAS PROTECTED BY THIS TIB.
		.1..		TIBNOVAR	WHEN SET TO 1 INDICATES THAT THE REXX VARIABLE POOL CANNOT BE ACCESSED.
		..1.		TIBAUTH	WHEN SET TO 1 INDICATES THAT THE PROTECTED REXX VARIABLE POOL IS IN USE.
		...1		TIBTVARS	WHEN SET TO 1 INDICATES THAT THE PROTECTED REXX VARIABLE POOL IS CURRENTLY BEING CREATED.
		.... 1...		TIBTRAPB	WHEN SET TO 1 INDICATES THAT THE REXX OUTTRAP VARIABLE POOL WAS PROTECTED BY THIS TIB.
		.... .1..		TIBUPRDS	WHEN SET TO 1 INDICATES THAT THE REXX DATA STACK IS BEING UNPROTECTED ON THE PARALLEL TMP.
		.... ..11		*	RESERVED
8	(8)	ADDRESS	4	TIBCHAIN	CHAIN FIELD
12	(C)	ADDRESS	4	TIBPSPP	PTR TO THE PARALLEL SERVICE PARMS
16	(10)	ADDRESS	4	TIBCMBDF	PTR TO COMMAND BUFFER - WHEN THIS ADDR IS FILLED IN, TIBPSPP IS 0
20	(14)	CHARACTER	4	TIBRECB	ECB INDICATING REQUEST IS COMPLETE
		1...		*	ECB WAIT BIT
		.1..		TIBRECBP	REQUEST COMPLETE ECB POST BIT
20	(14)	BITSTRING	3	*	ECB COMPLETION CODE
24	(18)	ADDRESS	4	TIBRT02	TCB ADDRESS FOR THE T02 TASK STRUCTURE THAT MADE THE PARALLEL SERVICE REQUEST
28	(1C)	SIGNED	4	TIBRC	PARALLEL PROCESSING RETURN CODE
32	(20)	SIGNED	4	TIBFRC	FUNCTION RETURN CODE
36	(24)	SIGNED	4	TIBRSNC	REASON CODE
40	(28)	SIGNED	4	TIBFABNC	FUNCTION ABEND CODE
44	(2C)	ADDRESS	4	TIBRIOL	PTR TO PARAMETER LIST TO RESTORE I/O BEFORE SETTING REQUESTING TASK
48	(30)	SIGNED	4	TIBRION	STRUCTURE DISPATCHABLE
52	(34)	ADDRESS	4	TIBNXCMD	NUMBER OF PARAMETERS IN THE RESTORE I/O LIST
56	(38)	ADDRESS	4	TIBRWRK2	PTR TO THE NEXT COMMAND ENTERED AFTER AN ATTENTION OR ABEND
60	(3C)	ADDRESS	4	TIBRWRK2	PTR TO THE TMPWRK2 WORK AREA FOR THE REQUESTING TASK STRUCTURE
60	(3C)	CHARACTER	32	TIBEXT	TIB EXTENTION - USED TO PASS DATA FOR PARALLEL PROCESSING
92	(5C)	SIGNED	4	TIBTCBP	ADDRESS OF THE CURRENT TCB
96	(60)	ADDRESS	4	TIBPROSP	ADDRESS OF KEY 1 DATA STACK
100	(64)	ADDRESS	4	TIBEXDP	ADDRESS OF EXD FOR WHICH REXX VARIABLES ARE PROTECTED
104	(68)	SIGNED	4	TIBTRAPA	ADDRESS OF THE REXX EXD WHICH IS PERFORMING OUTPUT TRAPPING
108	(6C)	SIGNED	4	TIBENVBA	ADDRESS OF ENVIRONMENT BLOCK FOR THE DATA STACK CURRENTLY PROTECTED
112	(70)	CHARACTER	4	TIBFLAG3	FLAG BYTES
		1...		TIBPLATF	WHEN SET TO 1 INDICATES THAT AN AUTHORIZED PLATFORM COMMAND/PROGRAM IS BEING PROCESSED.
		.1..		TIBAUTHF	WHEN SET TO 1 INDICATES THAT THE SPECIFIED FUNCTION WAS FOUND IN THE AUTHORIZED COMMAND OR PROGRAM TABLE
112	(70)	BITSTRING	3	*	RESERVED

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)		Description
116	(74)	ADDRESS	4	TIBCT02		TCB ADDRESS FOR THE T02 TASK STRUCTURE THAT IKJEFTSC CREATED FOR THIS PARALLEL SERVICE REQUEST
120	(78)	CHARACTER	40	*		RESERVED
Comment						
ADD ANY NEW FIELDS BEFORE THE NEXT DECLARE.						
End of Comment						
160	(A0)	CHARACTER	0	*		ASSURE TIB ENDS ON A DOUBLE WORD BOUNDARY

TIB Constants

Len	Type	Value		Name	Description
Comment					
CONSTANTS FOR INITIALIZING THE CONTROL BLOCK ID AND LEVEL TIBLEVL MUST BE INCREMENTED WHEN THE TIB IS UPDATED.					
End of Comment					
4	CHARACTER	TIB		TIBCHAR	CHARACTERS FOR INITIALIZING TIBTIB
1	DECIMAL		2	TIBLEVL	TIB LEVEL = 2
Comment					
PARALLEL PROCESSING RETURN CODES					
End of Comment					
4	DECIMAL		0	TIBSCSFL	SUCCESSFUL COMPLETION
4	DECIMAL		4	TIBFRCN0	FUNCTION RETURN CODE NOT ZERO
4	DECIMAL		8	TIBATTN	TERMINATED BY ATTENTION
4	DECIMAL		12	TIBFABND	FUNCTION ABENDED
4	DECIMAL		16	TIBADERR	ADDRESSING ERROR IN PARALLEL SERVICE PARMS
4	DECIMAL		20	TIBERR	ERROR IN THE PARALLEL SERVICE PARMS OR INCORRECT ENVIRONMENT - SEE REASON CODE
4	DECIMAL		24	TIBEF	UNEXPECTED FAILURE
4	DECIMAL		28	TIBADENV	INDICATES THAT THE CALLER OF THE TSO SERVICE FACILITY WAS AMODE 24, BUT THE PARAMETER LIST CONTAINED 31 BIT ADDRESS(ES)
Comment					
PARALLEL PROCESSING REASON CODES					
End of Comment					
4	DECIMAL		4	TIBPLEN	PARAMETER LIST LENGTH ERROR
4	DECIMAL		8	TIBPRFLE	PARAMETER LIST RESERVED FLAGS ERROR
4	DECIMAL		12	TIBPFFLE	PARAMETER LIST FUNCTION FLAG ERROR
4	DECIMAL		16	TIBPINCS	PARAMETER LIST INCONSISTENT - COMMAND AND FUNCTION
4	DECIMAL		20	TIBPAFLE	PARAMETER LIST BOTH SPECIFIED PARAMETER LIST ABEND FLAG ERROR
4	DECIMAL		24	TIBNTSOE	NOT A TSO ENVIRONMENT
4	DECIMAL		28	TIBPFBLE	PARAMETER LIST FUNCTION BUFFER LENGTH ERROR

TIB Constants

Len	Type	Value	Name	Description
4	DECIMAL	32	TIBPPLAE	PROGRAM PARAMETER LIST ADDRESSING ERROR
4	DECIMAL	36	TIBPPLE	PROGRAM PARAMETER LIST ERROR
4	DECIMAL	40	TIBFNF	REQUESTED FUNCTION NOT FOUND
4	DECIMAL	44	TIBFSYNE	SYNTAX ERROR IN FUNCTION NAME
4	DECIMAL	48	TIBNCL	AN IMPLICIT CLIST WAS PASSED IN BUT CLIST PROCESSING WAS NOT REQUESTED
4	DECIMAL	52	TIBNBKG	COMMAND NOT SUPPORT IN THE BACKGROUND
4	DECIMAL	56	TIBUNAL	FUNCTION IS AUTHORIZED BUT CANNOT BE FOUND ON AN AUTHORIZED LIBRARY
4	DECIMAL	60	TIBUFAR	INVOKER OF TSO SERVICE FACILITY WAS AUTHORIZED, BUT REQUESTED FUNCTION WAS UNAUTHORIZED.
4	DECIMAL	64	TIBITOKN	THE TOKEN PASSED TO THE TSO SERVICE FACILITY IS NOT VALID
4	DECIMAL	68	TIBNOTMP	INDICATES THAT THE USER WAS IN IN NON- TMP TSO, BUT AUTHORIZED FUNCTIONS OR PARALLEL PROCESSING WERE REQUESTED
4	DECIMAL	76	TIBOUARE	INDICATES THAT OUTSTANDING APPC/MVS ASYNCHRONOUS REQUESTS EXISTS IN THE ADDRESS SPACE.
4	DECIMAL	80	TIBUAERR	INDICATES THAT AN UNEXPECTED RETURN CODE WAS RECEIVED FROM THE APPC SERVICE ATBASMR USED TO QUERY ARE THERE ANY OUTSTANDING ASYNCHRONOUS REQUESTS IN THE ADDRESS SPACE.
4	DECIMAL	84	TIBASYNE	Indicates that the MVS/ESA SP 5.2 Miscellaneous Event Exit Manager found unauthorized asynchronous activity in the address space.
4	DECIMAL	88	TIBASYNF	Indicates that the MVS/ESA SP 5.2 Miscellaneous Event Exit Manager or a routine that it invoked encountered an error while checking for asynchronous activity in the address space.
4	DECIMAL	204	TIB2ESF	ESTAE FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	208	TIB2SXF	STAX FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	212	TIB2PTF	PUTGET FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	216	TIB2SCF	SCAN FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	220	TIB2BLF	BLDL FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	224	TIB2TLF	TABLE LOOKUP SERVICE FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	228	TIB2ATF	ATTACH FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	232	TIB2REF	IRXENTRY FAILURE-ISSUED BY IKJEFTS2
4	DECIMAL	236	TIB2LDF	LOAD MACRO FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	240	TIB2LKF	LINK FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	244	TIB2TV1F	IRXTVARS TERMINATED DUE TO A FAILURE IN IKJCT441
4	DECIMAL	248	TIB2TV2F	IRXTVARS TERMINATED DUE TO A FAILURE IN DMSRVA
4	DECIMAL	252	TIB2TV3F	IRXTVARS TERMINATED DUE TO A FAILURE IN CLEARING THE KEY 1 POOL

Len	Type	Value	Name	Description
4	DECIMAL	253	TIB2TV4F	IRXTVARS failed because no valid WORKBLOK address was passed in RXEXD_WORKBLOK_PTR
4	DECIMAL	256	TIB2STF	STACK MACRO FAILURE - ISSUED BY IKJEFTS2
4	DECIMAL	260	TIBTIP	TMP TERMINATION IN PROGRESS
4	DECIMAL	264	TIB2RTR	ROUTER ERROR - ISSUED BY IKJEFTS2
4	DECIMAL	268	TIBOURDE	OUTSTANDING APPC REQUEUSTS EXISTS
4	DECIMAL	272	TIBAPPCE	APPC SERVICE ERROR
4	DECIMAL	276	TIBASYE1	Indicates that the MVS/ESA SP 5.2 Miscellaneous Event Exit Manager found unauthorized asynchronous activity in the address space.
4	DECIMAL	280	TIBASYF1	Indicates that the MVS/ESA SP 5.2 Miscellaneous Event Exit Manager or a routine that it invoked encountered an error while checking for asynchronous activity in the address space.
4	HEX	FFFFFFFF	TIBFILL	DEFAULT VALUE FOR THE FUNCTION RETURN CODE, REASON CODE AND FUNCTION ABEND CODE

TIB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TIB	0		TIBTVARS	7	10
TIBAUTHF	70	40	TIBT02AE	5	20
TIBBLDNP	5	80	TIBT08S1	5	10
TIBCAUTH	5	02	TIBT08S2	5	08
TIBCHAIN	8		TIBUPRDS	7	04
TIBCKEY	6		TIBVERIP	5	40
TIBCMBDF	10				
TIBCT02	74				
TIBENVBA	6C				
TIBESTCA	5	01			
TIBEXDP	64				
TIBEXT	3C				
TIBFABNC	28				
TIBFLAGS	5				
TIBFLAG2	7				
TIBFLAG3	70				
TIBFRC	20				
TIBLEV	4				
TIBNOVAR	7	40			
TIBNXCMD	34				
TIBPLATF	70	80			
TIBPRODS	7	80			
TIBPROSP	60				
TIBPSP	C				
TIBAUTH	7	20			
TIBRC	1C				
TIBRECB	14				
TIBRECBP	14	40			
TIBRIOL	2C				
TIBRION	30				
TIBRSNC	24				
TIBRT02	18				
TIBRWK2	38				
TIBSTMOD	5	04			
TIBTCBP	5C				
TIBTIB	0				
TIBTRAPA	68				
TIBTRAPB	7	08			

TMPPB Information

TMPPB Heading Information

Common Name: TSO/E Platform Block
Macro ID: IKJTMPPB
DSECT Name: TMPPB
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: TMPPB
 Offset: 0
 Length: 8
Storage Attributes: Subpool: 230
 Key: 1
 Residency: Above 16MB
Size: 72 bytes
Created by: IKJEFTSC
Pointed to by: LWATMPPB field of the LWA
Serialization: None
Function: Provide information for the processing of an authorized platform command or program.

TMPPB Map

Offsets						
Dec	Hex	Type/Value	Len	Name (Dim)	Description	
0	(0)	STRUCTURE	72	TMPPB		
0	(0)	CHARACTER	8	TMPPB_ID	ID = 'TMPPB '	
8	(8)	UNSIGNED	1	TMPPB_VERSION	Version => 1	
9	(9)	CHARACTER	3	TMPPB_FLAGS	Flag Bytes	
		1...		TMPPB_PLATFORM_IN_USE	0 => Platform not in use 1 => Platform in use	
		.1..		TMPPB_PLATFORM_TERM	0 => Platform termination not in process 1 => Platform termination in process	
9	(9)	BITSTRING	2	*	Reserved bits	
12	(C)	SIGNED	4	TMPPB_LENGTH	Length	
16	(10)	CHARACTER	4	TMPPB_TSCECB	IKJEFTSC Platform ECB	
		1...		*	ECB WAIT BIT	
		.1..		TMPPB_TSCECB_POST	IKJEFTSC Platform Post Bit	
16	(10)	BITSTRING	3	*	ECB COMPLETION CODE	
20	(14)	CHARACTER	4	TMPPB_TAIECB	IKJEFTAI Platform ECB	
		1...		*	ECB WAIT BIT	
		.1..		TMPPB_TAIECB_POST	IKJEFTAI Platform Post Bit	
20	(14)	BITSTRING	3	*	ECB COMPLETION CODE	
24	(18)	CHARACTER	16	TMPPB_ECBLIST	List of ECBs IKJEFT02 will WAIT on during the invocation of an Authorized Platform Command or Program	
24	(18)	ADDRESS	4	TMPPB_CPECB_PTR	Address of End of CMD Platform task ECB	
28	(1C)	ADDRESS	4	TMPPB_STAIECB_PTR	Address of ESTAI Platform ECB	
32	(20)	ADDRESS	4	TMPPB_ATTNECB_PTR	Address of Attention Platform ECB	
36	(24)	ADDRESS	4	TMPPB_T02ECB_PTR	Address of IKJEFT02 Platform ECB	
40	(28)	ADDRESS	4	TMPPB_T02TCB_PTR	Address of IKJEFT02 Platform TCB	

TMPPB Constants • TMPPB Cross Reference

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
44	(2C)	ADDRESS	4	TMPPB_TAITCB_PTR	Address of IKJEFTAI Platform TCB
48	(30)	ADDRESS	4	TMPPB_TMPWRKA2_PTR	Address of TMPWRKA2
52	(34)	ADDRESS	4	TMPPB_CMDACT_PTR	Address of SYSEVENT PLIST for IKJEFT02
56	(38)	ADDRESS	4	TMPPB_TEPKEY	TMP Entry Key
60	(3C)	CHARACTER	12	*	Reserved For Future use

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	4	T02_PLATFORM_ECB	IKJEFT02 Platform ECB Mapping
		1...		*	ECB WAIT BIT
		.1..		T02_PLATFORM_POST	IKJEFT02 Platform Post Bit
0	(0)	BITSTRING	3	*	ECB COMPLETION CODE

TMPPB Constants

Len	Type	Value	Name	Description
Comment				
Constant Declares for TMP Platform Block				
End of Comment				
8	CHARACTER	TMPPB	ACRONYM_TMPPB	TMP Platform Block Acronym
1	DECIMAL		VERSION_TMPPB	TMP Platform Block Version number

TMPPB Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TMPPB	0		TMPPB_T02ECB_PTR	10	40
TMPPB_ATTNECB_PTR	20		TMPPB_T02TCB_PTR	24	
TMPPB_CMDACT_PTR	34		TMPPB_VERSION	28	
TMPPB_CPECB_PTR	18		T02_PLATFORM_ECB	8	
TMPPB_ECBLIST	18		T02_PLATFORM_POST	0	
TMPPB_FLAGS	9			0	40
TMPPB_ID	0				
TMPPB_LENGTH	C				
TMPPB_PLATFORM_IN_USE	9	80			
TMPPB_PLATFORM_TERM	9	40			
TMPPB_STAIECB_PTR	1C				
TMPPB_TAIECB	14				
TMPPB_TAIECB_POST	14	40			
TMPPB_TAITCB_PTR	2C				
TMPPB_TEPKEY	38				
TMPPB_TMPWRKA2_PTR	30				
TMPPB_TSCECB	10				
TMPPB_TSCECB_POST					

TMPWA Information

TMPWA Programming Interface information

Programming Interface information

TMPWA

End of Programming Interface information

TMPWA Heading Information • TMPWA Map

TMPWA Heading Information

Common Name: TMP Work Area
Macro ID: IKJTMPWA
DSECT Name: IKJTMPWA

 ACRONYM: TMPWA
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 230
 Key: 0,1
 Residency: Above 16M line
Size: See listing
Created by: IKJEFT01, IKJEFTSC
Pointed to by: WRKAPTR1 - Program Problem State Work Area Ptr.
 WRKAPTR2 - Supervisor State Work Area Ptr.
Serialization: None
Function: Contains major internal work areas for the TMP. These include:
 > TMPWRKA1 - parameter lists and control information needed for normal operation of the TMP.
 > TMPWA2 - contains information needed by the TMPESTAE retry routine.
 > TMPWRKA2 - a protected work area that contains information needed by the TMP mainline to indicate what processing the mainline needs to perform.

TMPWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TPL	
0	(0)	ADDRESS	4	TPLCBUF	PTR TO COMMAND BUFFER
4	(4)	ADDRESS	4	TPLUPT	PTR TO UPT
8	(8)	ADDRESS	4	TPLPSCB	PTR TO PSCB
12	(C)	ADDRESS	4	TPLECT	PTR TO ECT
16	(10)	ADDRESS	4	TPLTBUF	PTR TO TEST COMMAND BUFFER
20	(14)	ADDRESS	4	TPLCTCB	PTR TO ATTACHED CP TCB
24	(18)	ADDRESS	4	TPLSTAI	PTR TO TMP STAI EXIT ROUTINE
28	(1C)	ADDRESS	4	TPLSPLS	PTR TO STAI PARAMETER LIST
32	(20)	ADDRESS	4	TPLNECB	PTR TO ECB FOR ABENDING CP
36	(24)	ADDRESS	4	TPLNTCB	PTR TO TCB FOR ABENDING CP
40	(28)	ADDRESS	4	TPLMECB	PTR TO STOP/MODIFY ECB
40	(28)	X'2C'	0	TPLCBL	*** TMP WAIT ECB LIST
44	(2C)	ADDRESS	4	TPLCECB	PTR TO ATTACHED CP ECB
48	(30)	ADDRESS	4	TPLIECB	PTR TO TMP STAI ECB
52	(34)	ADDRESS	4	TPLAECB	PTR TO TMP ATTN ECB - HIGH ORDER BIT ON
56	(38)	ADDRESS	4	TPLTPLE	PTR TO THE TPL EXTENT
56	(38)	X'0'	0	TMPWRKA1	"TPL" WORK AREA BEGINS WITH TEST PARAMETER LIST

Comment

TMP COMMON VARIABLES AND WORK AREAS

End of Comment

60	(3C)	SIGNED	4	TMPNECB	ECB FOR STAI WAIT
64	(40)	SIGNED	4	TMPCECB	ECB FOR ATTACHED CP
68	(44)	SIGNED	4	TMPIECB	ECB FOR STAI POST
72	(48)	SIGNED	4	TMPAECB	ECB FOR ATTN POST
76	(4C)	SIGNED	4	TMPCMDWT	PTR TO CMD FROM ATTN EXIT

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
80	(50)	SIGNED	4	TMPSWS	TMP INTERNAL SWITCHES
		1...		TMPTST	"X'80" TEST PROGRAM IN CONTROL
		.1..		TMPCMDW	"X'40" COMMAND WAITING
		..1.		TMPNFCMD	"X'20" FIRST COMMAND IS PROCESSED
		...1		TMPACTRL	"X'10" TMP ATTN EXIT IS IN CONTROL
		.... 1..		TMPCTRL	"X'08" TMP STAI EXIT IS IN CONTROL
		.... .1..		ABND806	"X'04" NO-MODULE FOUND BY FETCH
		.... .1..		FRSTLAB	"X'02" 1ST LEVEL ATTACHEE ABENDED
		.... ...1		NONSCUR	"X'01" SECURITY AUTHORIZATION FAILS
		1...		ATCHNOW	"X'80" ABEND OCCURRED IN ATTACH
		.1..		LOADNOW	"X'40" ABEND OCCURRED IN LOAD
		..1.		LINKNOW	"X'20" ABEND OCCURRED IN LINK
		...1		FRSTEX	"X'10" FIRST EXPL/IMPLICIT EXEC TRY
		.... 1..		CALLNOW	"X'08" CALL FUNCTION ACTIVE
		.... .1..		TMP1TIME	"X'04" ESTAI ENTERED (TEST)
		.... .1..		T7TDONE	"X'02" TSEVENT ISSUED
		.... ...1		SKPATTN	"X'01" 1-BYPASS ATTN
		1...		TMP1TSFE	"X'80" ERROR OCCURRED IN CLIST WHILE IN TSF/CLIST MODE.
80	(50)	X'53'	0	CALLSWS	"TMPSWS+3" TMP-CALL INTERNAL SWITCHES
		1...		PDLPRES	"X'80" PDL RETURNED BY PARSE
		.1..		DSOPEN	"X'40" DATA SET IS OPEN
		...1		BLANKB	"X'10" DATA SET NAME PROCESSED
		.... 1..		DORELS	"X'08" RELEASE PDL NOW
		.... .1..		GMBRNOW	"X'04" GET MEMBER NAME
		.... .1..		PCFDA	"X'02" PCF DIRECT ATTACH

Comment

EQU X'01' RESERVED FLAG
RESERVED AREAS

End of Comment

84	(54)	ADDRESS	4	TMPT9ECB	ECB USED FOR COMMUNICATION BETWEEN IKJEFT09 AND IKJURPS
88	(58)	ADDRESS	4	TMPURPA	ANCHOR FOR URP REQUEST BLOCK CHAIN FOR IKJEFT09
92	(5C)	CHARACTER	8	RESCOMM	
100	(64)	CHARACTER	16	RESCOM2	
116	(74)	CHARACTER	16	RESCOM3	
132	(84)	CHARACTER	16	RESCOM4	
148	(94)	CHARACTER	4		RESERVED WAS FLOFLGS
152	(98)	SIGNED	4	CPPLPTR	PTR TO CP PARM LIST
156	(9C)	SIGNED	4	CSOAPTR	PTR TO CMD SCAN PARM LIST
160	(A0)	SIGNED	4	CSPLPTR	PTR TO CMD SCAN PARM LIST
164	(A4)	SIGNED	4	DAPLPTR	PTR TO DAIR PARM LIST
168	(A8)	SIGNED	4	GTPBPTR	PTR TO GETLINE PARM BLOCK
172	(AC)	SIGNED	4	IOPLPTR	PTR TO I/O RTNS PARM LIST
176	(B0)	SIGNED	4	PGBPTR	PTR TO PUTGET PARM BLOCK
180	(B4)	SIGNED	4	PPLPTR	PTR TO PARSE PARM LIST
184	(B8)	SIGNED	4	PTBPTR	PTR TO PUTLINE PARM BLOCK
188	(BC)	SIGNED	4	STPLPTR	PTR TO STACK PARM LIST
192	(C0)	SIGNED	4	ACEPTR	ADDR OF ACEE
196	(C4)	SIGNED	4	ASCANAP	ADDR OF ATTN SCAN ANSWER
200	(C8)	SIGNED	4	ASRPLPTR	ADDR OF ATTN SRPL
204	(CC)	SIGNED	4	ATTCHPTR	ADDR OF ATTACH PARM LIST
208	(D0)	SIGNED	4	CDCBPTR	PTR TO CALL DCB
212	(D4)	SIGNED	4	DCBPTR	PTR TO DCB
216	(D8)	SIGNED	4	DYNAPPTR	PTR TO DYNALLOC PARM LIST
220	(DC)	SIGNED	4	EBCDPTR	PTR TO TRANSLATE TABLE
224	(E0)	SIGNED	4	READYPTR	ADDR OF TMP MODE MESSAGE
228	(E4)	SIGNED	4	SCANAP	ADDR OF SCAN ANSWER AREA
232	(E8)	SIGNED	4	SRPLPTR	ADDR OF SRPL
236	(EC)	SIGNED	4		RESERVED
240	(F0)	SIGNED	4	STBPTR	ADDR OF STACK PARM LIST

TMPWA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
RESERVE SPACE FOR PARAMETER LISTS, BLOCKS					
End of Comment					
248	(F8)	DBL WORD	8	(0)	ALIGN TO DOUBLEWORD
248	(F8)	CHARACTER	41	ABMSGSP	MESSAGE AREA
Comment					
PUTLINE ACTIVE SEGMENT LIST LIST					
End of Comment					
292	(124)	SIGNED	4	ACTSL (0)	NAME OF LIST
292	(124)	SIGNED	4	ACTSEG (28)	SEGMENTS
292	(124)	X'124'	0	ACTSEGA	"ACTSEG" FIRST HWORD OF SEGMENT
292	(124)	X'126'	0	ACTSEGB	"ACTSEG+2" SECOND HWORD OF SEGMENT
404	(194)	SIGNED	4	AMSGLIST (0)	ATTN MESSAGE LIST
404	(194)	SIGNED	4	ANUMSEG	NUMBER OF MESSAGE SEGMENTS
408	(198)	SIGNED	4	AMSGSEG (2)	ARRAY OF SEGMENT PTRS
416	(1A0)	SIGNED	4	ARCODE	ATTN RETURN CODE SAVE AREA
420	(1A4)	SIGNED	4	ASCANFLG	ATTN SCAN FLAGS
424	(1A8)	SIGNED	4	ASRPARM (5)	ATTN SR PARM AREA
444	(1BC)	SIGNED	4	ATTCHSP (18)	ATTACH PARM LIST SP
516	(204)	CHARACTER	68	BLDLLST (0)	BLDL ENTRY
516	(204)	CHARACTER	12	XTRCLST (0)	EXTRACT LIST
516	(204)	SIGNED	2	BLDLENT	NUM OF ENTRIES
518	(206)	SIGNED	2	BLDLELNG	LENGTH OF ENTRY
520	(208)	CHARACTER	8	BLDLNAME	NAME OF COMMAND
528	(210)	CHARACTER	56	BLDLTTRZ	PAD TO FULL WORD
528	(210)	CHARACTER	2	BLDLTMP_TT	TT (relative track) returned from BLDL
530	(212)	CHARACTER	1	BLDLTMP_R	R (record number) returned from BLDL
584	(248)	DBL WORD	8	(0)	ALIGN TO DWORD
584	(248)	CHARACTER	140	CDCBSP	CALL DCB SPACE
724	(2D4)	CHARACTER	12	CLOSESP	CLOSE PL SPACE
736	(2E0)	SIGNED	4	CPPLSP (4)	CPPL SPACE
752	(2F0)	SIGNED	4	CSOASP (2)	CSOA SPACE
760	(2F8)	SIGNED	4	CSOASP2 (2)	2ND CSOA SP (ATTN)
768	(300)	SIGNED	4	CSPLSP (6)	CSPL SPACE
792	(318)	SIGNED	4	CSPLSP2 (6)	2ND CSPL SP (ATTN)
816	(330)	SIGNED	4	CTLBKSP (0)	NAME OF BLOCK SPACE
816	(330)	SIGNED	4	CTLBLKL	LENGTH OF BLOCK SPACE
820	(334)	SIGNED	4	CTLBLKA	LOC OF BLOCK SPACE
824	(338)	SIGNED	4	CTLBLKN	SUBPOOL
828	(33C)	SIGNED	4	DAPBSP (21)	DAIR PARM BLK SPACE
912	(390)	SIGNED	4	DAPLSP (5)	DAIR PARM LIST SPACE
936	(3A8)	DBL WORD	8	(0)	ALIGN TO DOUBLEWORD
936	(3A8)	CHARACTER	140	DCBSP	DCB SPACE
1076	(434)	SIGNED	4	DYNASP (10)	DYNALLOC PL
1116	(45C)	BITSTRING	4	DYNATUB	BIT FORM OF THE PLATFORM TCB ADDRESS USED SO THAT THE ADDRESS, NORMALLY ON A WORD BOUNDARY, CAN BE COPIED INTO THE TEXT UNIT PARM THAT'S ON A HALFWORD BOUNDARY.
1120	(460)	SIGNED	4	ECTSP (14)	ECT SPACE
1176	(498)	CHARACTER	10	FMLCSP	FREEM PL SPACE
1188	(4A4)	SIGNED	4	GTPBSP (2)	GTPB SPACE
1196	(4AC)	SIGNED	4	MODESSP	MODESET PARM LIST SPACE
1200	(4B0)	SIGNED	4	NXTCMD (2)	COMMAND NAME FIELD
1208	(4B8)	SIGNED	4	OPENSF (3)	OPEN PL SPACE
1220	(4C4)	SIGNED	4	PGPBSP (4)	PGPB SPACE
1236	(4D4)	SIGNED	4	PPLSP (7)	PARSE PARM LIST SPACE
1264	(4F0)	SIGNED	4	PRSMSSP (3)	MESSAGE AREA
1276	(4FC)	SIGNED	4	PTPBSP (3)	PTPB SPACE

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
1288	(508)	SIGNED	4	RCODE	RETURN CODE SAVE AREA
1292	(50C)	SIGNED	4	R3SAVE	SAVE PDL PTR
1296	(510)	SIGNED	4	SAVAR (14)	SAVE REGISTER ENVIRONMENT
1352	(548)	SIGNED	4	SCANFLG	SCAN FLAGS
1356	(54C)	SIGNED	4	SNAPSP (10)	SNAP PL SPACE
1396	(574)	SIGNED	4	STPBSP (6)	STPB SPACE
1420	(58C)	SIGNED	4	STPLSP (4)	STACK PL SPACE
1436	(59C)	SIGNED	4	TMPZEROS	ALL ZEROS WORD - DUMMY CBUF
1440	(5A0)	SIGNED	4	MODEMSP (5)	DUMMY SPACE FOR MODE MESSAGE
1460	(5B4)	CHARACTER	20		RESERVED

Comment

WORK AREA FOR TMP-CALL FUNCTION

End of Comment

1480	(5C8)	SIGNED	4	CALLWA (0)	
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Comment

PROBLEM PROGRAM WORK AREA FOR CALL FUNCTION

End of Comment

1480	(5C8)	SIGNED	4	PPWORKAR (0)	
1480	(5C8)	SIGNED	4	PPLIST (0)	
1480	(5C8)	CHARACTER	1	SWBIT	
1481	(5C9)	CHARACTER	3		
1484	(5CC)	SIGNED	4	PARMFLD (0)	
1484	(5CC)	SIGNED	2	LENPARM	
1486	(5CE)	CHARACTER	100	PARMS	

Comment

CALL INTERNAL WORK AREA

End of Comment

1588	(634)	SIGNED	4	WORK1 (0)	
1588	(634)	SIGNED	4	PARSPARM (0)	PARSE PARMS
1588	(634)	SIGNED	4	PDLADDR	PTR TO PARM DESCRIPTOR LIST
1592	(638)	SIGNED	4	PDLADDR2	
1596	(63C)	SIGNED	2	DSNBUFFR (0)	
1596	(63C)	SIGNED	2	DSNLENG	LENGTH OF DATA SET NAME
1598	(63E)	CHARACTER	44	DSNBUF	DSNAME
1642	(66A)	CHARACTER	2		ALIGNMENT
1644	(66C)	SIGNED	4	MSGNO	MESSAGE NUMBER
1648	(670)	SIGNED	4	DAPBOPTR	

Comment

MEMBER NAME SEGMENT FOR MESSAGE

End of Comment

1652	(674)	SIGNED	4	MBRSEG (0)	NAME OF AREA
1652	(674)	SIGNED	2	MBRSLN	SEGMENT LENGTH
1654	(676)	SIGNED	2	MBRSOFF	SEGMENT OFFSET
1656	(678)	CHARACTER	8	MBRSTXT	MEMBER NAME TEXT

Comment

MEMBER NAME SEGMENT FOR DAIR

End of Comment

1664	(680)	SIGNED	4	MBRDSEG (0)	NAME OF AREA
1664	(680)	SIGNED	2	MBRDLEN	SEGMENT LENGTH
1666	(682)	CHARACTER	8	MBRDTEXT	NAME TEXT

TMPWA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
DATA SET NAME SEGMENT FOR MESSAGE					
End of Comment					
1676	(68C)	SIGNED	4	DSSEG (0)	NAME OF AREA
1676	(68C)	SIGNED	2	DSSGLEN	SEGMENT LENGTH
1678	(68E)	SIGNED	2	DSSGOFF	SEGMENT OFFSET
1680	(690)	CHARACTER	44	DSSGTX	DATA SET NAME TEXT
Comment					
RETURN CODE RESERVE AREAS					
End of Comment					
1724	(6BC)	SIGNED	4	BDLRC	FOR BDL RETURN CODE
1728	(6C0)	SIGNED	4	DAIRRC	FOR DAIR RETURN CODE
1732	(6C4)	SIGNED	4	PUTLRC	FOR PUTLINE RETURN CODE
1736	(6C8)	SIGNED	4	CRCODE	FOR GENERAL CALL RETURN CODE
Comment					
TMP RESTRUCTURE WORK AREAS					
End of Comment					
1740	(6CC)	ADDRESS	4	TMPCTCB	PTR TO ATTACH CP TCB
1744	(6D0)	SIGNED	4	TMPTECB	TEST RETURNED ECB
1748	(6D4)	SIGNED	4	TMPECB2	IKJEFTXX EOT ECB
1752	(6D8)	SIGNED	4	CPABECB	TEST RQST AFTER ABEND
1756	(6DC)	ADDRESS	4	ECBLPTR	PTR ECB WAIT LISTS
1760	(6E0)	SIGNED	4	TMPECB2 (0)	
1760	(6E0)	ADDRESS	4	TMPCECB2	PTR TO ATTACH CP ECB
1764	(6E4)	ADDRESS	4	TMPIECB2	PTR TO TMP STAI ECB
1768	(6E8)	ADDRESS	4	TMPAECB2	PTR TO TMP ATTN ECB
1772	(6EC)	SIGNED	4	(0)	
Comment					
TMP PTF @E1213F3					
End of Comment					
1772	(6EC)	ADDRESS	4	TMPECBAT	TMP ATTN ECB
1776	(6F0)	SIGNED	4	TMPSC ECB	IKJEFTSC ATTENTION ECB
		1... ..		TMPSWAIT	"X'80" TESTED BY IKJEFT03 AND IKJEFT05.
1780	(6F4)	SIGNED	4	TMP1ECB2	T02 ATTACH ECB
1784	(6F8)	SIGNED	4		RESERVED
1788	(6FC)	SIGNED	4	TMPR15RC	R15 RC FROM CP
1792	(700)	SIGNED	4	TMP1RSNC	REASON CODE WHEN CP ABEND
1796	(704)	SIGNED	4	TMP1ABNC	ABEND CODE WHEN CP ABEND
1800	(708)	CHARACTER	8	TMP1NAME	NAME OF TMPWRKA1
1808	(710)	CHARACTER	4	TMP1LEV	LEVEL OF TMPWRKA1
1812	(714)	SIGNED	4	TMPECB3 (0)	
1812	(714)	ADDRESS	4	TMPTECB3	PTR TO TEST COMPLETE EC
1816	(718)	ADDRESS	4	TMPCECB3	PTR TO ATTACH CP ECB
1820	(71C)	ADDRESS	4	TMPAECB3	PTR TO TMP ATTN ECB
1824	(720)	SIGNED	4	TMP1TQ2S (18)	Savearea for functions that IKJEFTQ2 invokes.
1896	(768)	SIGNED	4	TMP1CDCA	Address of DCB for CALL command to use or 0 for LINKLIST request
1900	(76C)	CHARACTER	36		RESERVE
1936	(790)	DBL WORD	8	TMP1END (0)	ASSURE THAT THIS WORKAREA END IN A DOUBLE WORD BOUNDARY. ANY ADDITION TO WORKAREA SHOULD BE PUT BEFORE TMP1END

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TMPWRKA2	
0	(0)	DBL WORD	8	TWRKA2A (0)	
0	(0)	SIGNED	4	WRKA1PTR	PTR TO PROB PROG WORK AREA
4	(4)	SIGNED	4	WRKA2PTR	PTR TO TMP PRIVATE WORK AREA
8	(8)	SIGNED	4	TMPWA2P	PTR TO STAE/STAI WORK AREA
12	(C)	SIGNED	4	SAVARPTR	PTR TO ORIGINAL SAVE AREA
16	(10)	SIGNED	4	TMPTIME	ADDR OF TIME ROUTINE
20	(14)	SIGNED	4	TMPT04	ADDR OF STAI EXIT ROUTINE
24	(18)	SIGNED	4	TMPT042	ADDR2 OF STAI EXIT ROUTINE
28	(1C)	SIGNED	4	TMPT05	ADDR OF STAE EXIT ROUTINE
32	(20)	SIGNED	4	TEPKEY	TMP ENTRY PSW PROTECT KEY
36	(24)	SIGNED	4	TCBPTR	PTR TO TCB
40	(28)	SIGNED	4	UPTPTR	PTR TO UPT
44	(2C)	SIGNED	4	ECTPTR	PTR TO ECT
48	(30)	SIGNED	4	PSCBPTR	PTR TO PSCB
52	(34)	SIGNED	4	ASCBPTR	PTR TO ASCB
56	(38)	SIGNED	4	ASXPTR	PTR TO ASXB
60	(3C)	SIGNED	4	RLGBPTR	PTR TO RELOGON BUFFER
64	(40)	SIGNED	4	LWAPTR	PTR TO LOGON WORK AREA
68	(44)	SIGNED	4	JSCBPTR	PTR TO JSCB (IEZJSCB)
72	(48)	ADDRESS	4	CMBDCTP	PTR SRM PARM LIST
76	(4C)	ADDRESS	4	TMPT043	PTR TO ESTAI MSG RTN

Comment

TMP MAINLINE FLOW CONTROL FLAGS

End of Comment

80	(50)	CHARACTER	4	FLOFLGS	
80	(50)	X'50'	0	FLOFLGS1	"FLOFLGS"

Comment

EQU X'80'
EQU X'40'

End of Comment

..1.	....	DOLIST	"X'20"
...1	....	DOGETC	"X'10"
....	1...	DODONE	"X'08"
....	.1..	DOINVOK	"X'04"
....	..1.	DOSCAN	"X'02"

Comment

EQU X'01'

End of Comment

80	(50)	X'51'	0	FLOFLGS2	"FLOFLGS+1"
		1... ..		DOPUTM	"X'80"
		.1.. ..		DOFRECB	"X'40"
		..1.		DOPSTRT	"X'20"
		...1		DOACTV	"X'10"
		.... 1...		DOCHKAT	"X'08"
		.... .1..		DOWAIT	"X'04"
		.... ..1.		DOATTN	"X'02"
	1.		DOCHKCP	"X'02"

Comment

EQU X'01'

End of Comment

80	(50)	X'52'	0	FLOFLGS3	"FLOFLGS+2"
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TMPWA Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
EQU X'80'					
End of Comment					
		.1..		DOIMPLX	"X'40"
		..1.		DOTEST	"X'20"
		...1		DOSETBF	"X'10"
		.... 1...		DOSETTB	"X'08"
80	(50)	X'53'	0	FLOFLGS4	"FLOFLGS+3"
84	(54)	SIGNED	4	T0ASAVEP	ADDR OF SAVEAREA FOR RETRY TO IKJEFT0A
88	(58)	ADDRESS	4	LWAPTR1	PTR TO LWA FOR T02
92	(5C)	SIGNED	4		RESERVED
96	(60)	SIGNED	4		RESERVED
Comment					
TEMPORARY SAVE AREAS FOR CALL LINK REGISTERS SAVE AREAS FOR TMP-CALL					
End of Comment					
100	(64)	SIGNED	4	SAVRA	
104	(68)	SIGNED	4	SAVRB	
108	(6C)	SIGNED	4	SAVRC	
112	(70)	SIGNED	4	SAVRM	
116	(74)	SIGNED	4	SVLNKE	
Comment					
SAVE AREAS FOR TMP MAINLINE LINK REGISTERS					
End of Comment					
120	(78)	SIGNED	4	SAVLNKRS (0)	NAME OF AREA
120	(78)	SIGNED	4	SAVLNKA	
124	(7C)	SIGNED	4	SAVLNKB	
128	(80)	SIGNED	4	SAVLNKC	
132	(84)	SIGNED	4	SAVLNKD	
136	(88)	SIGNED	4	SAVLNKE	
140	(8C)	SIGNED	4	SAVLNKF	
144	(90)	SIGNED	4	SAVLNKG	
148	(94)	SIGNED	4	SAVLNKH	
152	(98)	SIGNED	4	SAVLNKJ	
156	(9C)	SIGNED	4	SAVLNKK	
160	(A0)	SIGNED	4	SAVLNKL	
164	(A4)	SIGNED	4	SAVLNKM	
168	(A8)	SIGNED	4	TWRKA2B (0)	DEFINE SECOND AREA
Comment					
CONTROL FLAGS					
End of Comment					
168	(A8)	SIGNED	4	MCTLFLGS (0)	NAME OF AREA
168	(A8)	CHARACTER	1	MCFLGS1	
		1...		BKGMODE	"X'80" EXECUTING IN BACKGROUND MODE
		..1.		DRSAPF	"X'40" ON - ATTACH WITH APF
		...1		TMP2TSLB	"X'20" 1=FOUND IN TSOLIB
		.... 1...		TMP2NTSL	"X'10" 1=NOT ELIGIBLE FOR LOADING FROM A DATASET DEFINED BY THE TSOLIB COMMAND
169	(A9)	CHARACTER	3		RESERVED

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
EQU X'80' Hi-order bit is now reserved					
End of Comment					
		.1..		TMP2TSFC	"X'40" 1=TMP IS EXECUTING IN TSF/CLIST MODE
		..1.		ATTEXC2	"X'20" 1=EXC2 ATTACHED FOR TSF/CLIST MODE PROCESSING
		...1		TMP2TSCA	"X'10" 1=IKJEFTSC ATTENTION EXIT (IKJATTN) RECEIVED CONTROL
		.... 1...		TMP2SVC1	"X'08" 1=TMP PARALLEL SIDE IS SVC INITIATED
		.... ..1.		TMP2SYN1	"X'02" 1=SYNCHED TO IKJEFT03 FROM IKJEFT02 IN ROUTINE TTSKCHK
		.... ...1		TMP2SYN2	"X'01" 1=SYNCHED TO IKJEFT03 FROM IKJEFT02 IN ROUTINE TGETCDX
172	(AC)	SIGNED	4	MTPL (0)	NAME OF MODEL TPL
172	(AC)	SIGNED	4	MTPLCBUF	POINTER TO COMMAND BUFFER
176	(B0)	SIGNED	4	MTPLPS (0)	NAME OF POINTER AREA
176	(B0)	SIGNED	4	MTPLUPT	POINTER TO UPT
180	(B4)	SIGNED	4	MTPLPSCB	POINTER TO PSCB
184	(B8)	SIGNED	4	MTPLECT	POINTER TO ECT
188	(BC)	SIGNED	4	RTRYSA (0)	ENVIRONMENTAL AREA
188	(BC)	SIGNED	4	RTRY51	T02 BASE PTR 1
192	(C0)	SIGNED	4	RTRY52	T02 BASE PTR 2
196	(C4)	SIGNED	4	RTRY53	T02 DATAREG
200	(C8)	SIGNED	4	MDYNASP (10)	MODEL DYNALLOD PL
240	(F0)	SIGNED	4	TWRKA2C (0)	DEFINE THIRD AREA
240	(F0)	CHARACTER	68	TMPBLDL (0)	BLDL REQUEST PL
240	(F0)	SIGNED	2	TMPBLDNR	BLDL NUMBER OF ENTRIES IN LIST
242	(F2)	SIGNED	2	TMPBLDN	BLDL LENGTH OF PL
244	(F4)	CHARACTER	8	TMPBLDNM	BLDL PROGRAM NAME
252	(FC)	CHARACTER	56	TMPBLDAT	BLDL USER INFO RETURNED
308	(134)	BITSTRING	1	TMPFLAG1	LOCAL FLAGS 1
		1...		TMPCP	"X'80" 1=CP ATTACH REQUESTED
		.1..		TMPCPCAL	"X'40" 1=CALL COMMAND ATTACH REQUESTED
		..1.		TMPCPTST	"X'20" 1=TEST COMMAND LINK REQUESTED
		...1		TMPCPABN	"X'10" 1=CURRENT CMD ABENDED
		.... 1...		TMPAPF	"X'08" 1=APF ATTACH ACTIVE
		.... ..1.		TMPDE	"X'04" 1=DE ATTACH ACTIVE
		.... ..1.		TMPTSTAU	"X'02" 1=TESTAUTH COMMAND ENTERED
		.... ...1		TMPBIT07	"X'01" R E S E R V E D
309	(135)	BITSTRING	1	TMPFLAG2	LOCAL FLAGS 2
		1...		TMPFORCE	"X'80" FORCE CMD DETACH
310	(136)	BITSTRING	1	TMPFLAG3	R E S E R V E D
311	(137)	BITSTRING	1	TMPFLAG4	R E S E R V E D
312	(138)	ADDRESS	4	TMPTST@	ADDR OF TEST CMD
316	(13C)	ADDRESS	4	TMPTSKLB	DCB ADDR FOR TASKLIB ON ATTACH
320	(140)	ADDRESS	4	TMPCALST	ADDR CALL COMMAND PARAMETER STRING
324	(144)	ADDRESS	4	TMPCPPL@	ADDRESS TPLCPPL OR USER PARM LIST FOR TSF SVC PGM REQUEST
328	(148)	ADDRESS	4	TMPABECB	ADDR ECB POSTED AFTER ABEND OR ATTENTION
332	(14C)	ADDRESS	4	TMPSTAI	PTR TO ESTAI RTN
336	(150)	ADDRESS	4	TMPSPLS	PTR TO ESTAI PARMS
340	(154)	SIGNED	4	TMPTSKRC	SUBTASK CPL CODE R15
344	(158)	BITSTRING	1		RESERVE
345	(159)	BITSTRING	1		RESERVE
346	(15A)	BITSTRING	1		RESERVE
347	(15B)	BITSTRING	1		RESERVE
348	(15C)	ADDRESS	4	TMP2ATNP	@ OF ATTN ROUTINE
352	(160)	SIGNED	4	TMP2PARM	INDICATE WHETHER PARAMETER IS GOOD OR BAD
356	(164)	ADDRESS	4	TMP2SA@	PTR TO KEY 1 SAVE AREA

TMPWA Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
360	(168)	ADDRESS	4	TMP2TIB@	TIB @ USED BY IKJEFT02
364	(16C)	ADDRESS	4	TMP2ATIB	THE @ OF ACTIVE TIB
368	(170)	ADDRESS	4	TMP2MECB	@ OF TMP2MECB IN WRKA1
372	(174)	ADDRESS	4	TMP2AECB	@ OF TMP1ECB2 IN WRKA1
376	(178)	SIGNED	4	TMPW1LEN	LENGTH OF TMPWRKA1
380	(17C)	SIGNED	4	TMPW2LEN	LENGTH OF TMPWA
384	(180)	SIGNED	4	TMPBUFF@	BUFFER @ OBTAINED BY IKJEFT02
388	(184)	ADDRESS	4	TMP2PPTR	THE PTR TO ITS OWN PURGE PARM LIST
392	(188)	SIGNED	4	TMP2PLEN	LENGTH OF RESTORE PARM AND PURGE PARM LIST TO GET AND FREE
396	(18C)	CHARACTER	8	TMP2NAME	NAME OF TMPWRKA2
404	(194)	CHARACTER	4	TMP2LEV	LEVEL OF TMPWRKA2
408	(198)	CHARACTER	56	TMP2FFLG (0)	FLAGS USED FOR DEBUGGING AND RECOVERY PURPOSES
408	(198)	CHARACTER	4	TMP2DEBUG (0)	TRACE OF FUNCTIONS PERFORMED WHICH CAN BE USED FOR DEBUGGING
408	(198)	CHARACTER	1	TMP2TSFG	FLAGS USED TO INDICATE WHAT FUNCTION WAS PERFORMED BY IKJEFTSC
		1...		TMP2PUR	"X'80" PURGE IS DONE
		.1..		TMP2STAT	"X'40" STATUS STOP DONE
		...1 ...		TMP2WAIT	"X'10" WAIT IS DONE
		.... 1..		TMP2POST	"X'08" POST IS DONE
		.... .1..		TMP2W1ST	"X'04" BUILD TMPWRKA1
		.... ..1.		TMP2WA2S	"X'02" BUILD TMPWA2
		.... ...1		TMP2W2ST	"X'01" BUILD TMPWRKA2
409	(199)	CHARACTER	1	T2FLGT08	FLAG FOR IKJEFT08
		1...		TMP2NPAR	"X'80" NO PARALLEL TMP
410	(19A)	CHARACTER	1	TMP2VFPR	TSF PARAMETER VERIFICATION ROUTINE FOOTPRINT (IKJEFTPV)
		1...		TMP2READ	"X'80" READING PARAMETERS
		.1..		TMP2WRIT	"X'40" WRITING PARAMETERS
		..1.		TMP2MAIN	"X'20" MAINLINE
		...1 ...		TMP2PAGE	"X'10" READING FUNCTION BUFF
		.... 1..		TMP2PGM	"X'08" READING PGM PARMS
		.... .1..		TMP2CODE	"X'04" SETTING RETURN CODES
		.... ..1.		TMP2TPVR	"X'02" RESERVED
		.... ...1		TMP2DONE	"X'01" IKJEFTPV DONE
411	(19B)	CHARACTER	1	TMPFLG1	USED BY T02
		1...		TMPARALL	"X'80" PARALLEL TMP ENVIRONMENT
		.1..		TMPAPFCK	"X'40" TSRCHAPF HAS BEEN CALLED
		..1.		TMPLOAD	"X'20" LOAD WAS ISSUED
		...1		DIDCALL	"X'10" CALL HAS BEEN PERFORMED BY THE PARALLEL TMP
		.... 1..		R1PGMLST	"X'08" PGM THRU SVC, R1 SET TO PARAMETER LIST FOR PROGRAM
		.... .1..		TMPDETCH	"X'04" IKJEFTP2 IS DETACHING
		.... ..1.		TMPRESV7	"X'02" RESERVED
		.... ...1		TMPRESV8	"X'01" RESERVED
412	(19C)	CHARACTER	52	TMP2RCOV (0)	FLAGS USED BY RECOVERY
412	(19C)	CHARACTER	2	TMP2MCTL	MODULE IN CONTROL FLAGS, SET BY ALL TMP MODULES THAT ARE IN CONTROL
412	(19C)	BITSTRING	0	TMP2MT01	"X'8000" IKJEFT01 IN CONTROL
412	(19C)	BITSTRING	0	TMP2MTSC	"X'4000" IKJEFTSC IN CONTROL
412	(19C)	BITSTRING	0	TMP2MT02	"X'2000" IKJEFT02 IN CONTROL
412	(19C)	BITSTRING	0	TMP2MTPV	"X'1000" IKJEFTPV IN CONTROL
412	(19C)	BITSTRING	0	TMP2MT08	"X'0800" IKJEFT08 IN CONTROL
412	(19C)	BITSTRING	0	TMP2MCAF	"X'0400" IKJCAF IN CONTROL
414	(19E)	CHARACTER	8	TMP2FCTL (0)	MODULAR FUNCTION IN CONTROL, SET BY ALL TMP MODULES THAT ARE IN CONTROL
414	(19E)	CHARACTER	1	TMP2FT01	IKJEFT01 FUNCTION IN CONTROL
		1...		TMP2FI01	"X'80" IKJEFT01 INITIALIZATION
		.1..		TMP2FTM1	"X'40" IKJEFT01 TERMINATION
415	(19F)	CHARACTER	1	TMP2FTSC	IKJEFTSC FUNCTION IN CONTROL
		1...		TMP2FISC	"X'80" IKJEFTSC INITIALIZATION

Offsets		Type/Value .1..	Len	Name (Dim) TMP2FBSC	Description
Dec	Hex				
		..1.		TMP2FTMC	"X'20" IKJEFTSC TERMINATION
416	(1A0)	CHARACTER	1	TMP2FT02	IKJEFT02 FUNCTION IN CONTROL
417	(1A1)	CHARACTER	1	TMP2FTPV	IKJEFTPV FUNCTION IN CONTROL
		1...		TMP2FSUV	"X'80" IKJEFTPV SYSTEM/USER FUNCTION, ON IF USER AND OFF IF SYSTEM
418	(1A2)	CHARACTER	1	TMP2FT08	IKJEFT08 FUNCTION IN CONTROL
419	(1A3)	CHARACTER	3	RESERVE5	RESERVED
422	(1A6)	CHARACTER	2	TMP2FLRC	SET BY IKJEFT05 (RECOVERY) TO INDICATE THE RETRY TARGET CODE (FIRST LEVEL)
422	(1A6)	BITSTRING	0	TMP2FLI1	"X'8000" IKJEFT01 INITIALIZATION
422	(1A6)	BITSTRING	0	TMP2FLIC	"X'4000" IKJEFTSC INITIALIZATION
422	(1A6)	BITSTRING	0	TMP2FLBC	"X'2000" IKJEFTSC AFTER WAIT FOR PARALLEL SIDE FOR CLEANUP
422	(1A6)	BITSTRING	0	TMP2FL02	"X'1000" IKJEFT02
422	(1A6)	BITSTRING	0	TMP2FLTV	"X'0800" IKJEFTPV TERMINATION
422	(1A6)	BITSTRING	0	TMP2TSFR	"X'0400" PARALLEL IKJEFT02
424	(1A8)	CHARACTER	2	TMP2SLRC	SET BY IKJEFT05 (RECOVERY) TO INDICATE CAUSES FOR A PREVIOUS RETRY TO IKJEFT01 (SECOND LEVEL)
424	(1A8)	BITSTRING	0	TMP2SL01	"X'8000" IKJEFT01
424	(1A8)	BITSTRING	0	TMP2SLIC	"X'4000" IKJEFTSC INITIALIZATION
424	(1A8)	BITSTRING	0	TMP2SLBC	"X'2000" IKJEFTSC AFTER FIRST ATTACH OF IKJEFT02
424	(1A8)	BITSTRING	0	TMP2SL02	"X'1000" IKJEFT02
424	(1A8)	BITSTRING	0	TMP2SL08	"X'0800" IKJEFT08
424	(1A8)	BITSTRING	0	TMP2SLPV	"X'0400" IKJEFTPV
426	(1AA)	CHARACTER	2	TMP2FAIL	SET ON BY IKJEFT05 (RECOVERY) TO INDICATE FAILURE IN A SPECIFIC TMP MODULE. TMP MODULES USE FLAG TO RESET RECURSION FLAGS.
426	(1AA)	BITSTRING	0	TMP2DMPF	"X'8000" SET BE IKJEFT05 TO INDICATE THAT A SETRP DUMP IS TO BE TAKEN
426	(1AA)	BITSTRING	0	TMP2TSCF	"X'4000" IKJEFTSC FAILED
426	(1AA)	BITSTRING	0	TMP2T02F	"X'2000" IKJEFT02 FAILED
426	(1AA)	BITSTRING	0	T2T8T9F	"X'1000" T08 T09 ATTACH FAIL
428	(1AC)	CHARACTER	20	TMP2RTRY (0)	SET BY IKJEFT01 AND IKJEFT02 TO INDICATING ADDRESSES OF RETRY CODE. IKJEFT05 WILL USE THESE ADDRESSES IN ORDER TO RETRY BEGINNING OF IKJEFTSC, SET BY IKJEFT01
428	(1AC)	ADDRESS	4	TMP2RBSC	AFTER WAIT BEFORE TERMINATION CODE IN IKJEFTSC, SET BY IKJEFT01
432	(1B0)	ADDRESS	4	TMP2RWSC	AFTER WAIT ON TIBRECB: SET BY IKJEFT02
436	(1B4)	ADDRESS	4	TMP2RW02	TERMINATION CODE IN IKJEFT02 IN ORDER TO RETURN TO IKJEFT01 FOR A RETRY, SET BY IKJEFT02
440	(1B8)	ADDRESS	4	TMP2RT02	TERMINATION CODE IN IKJEFTPV IN ORDER TO RETURN TO IKJEFTSC, SET BY IKJEFT02
444	(1BC)	ADDRESS	4	TMP2RTPV	FIRST GROUP OF POINTERS TO MODULE SAVEAREAS - SEE TMP2MRG2 FOR THE REMAINING POINTERS EACH TMP MODULE STORE ADDRESS TO ITS REGISTERS SO IKJEFT05 CAN ESTABLISH ADDRESSABILITY DURING A RETRY
448	(1C0)	CHARACTER	16	TMP2MRG1 (0)	ADDRESS IKJEFT01'S REGISTERS
448	(1C0)	ADDRESS	4	TMP2RG01	ADDRESS IKJEFTSC'S REGISTERS
452	(1C4)	ADDRESS	4	TMP2RGSC	ADDRESS IKJEFT02'S REGISTERS
456	(1C8)	ADDRESS	4	TMP2RG02	ADDRESS IKJEFTPV'S REGISTERS
460	(1CC)	ADDRESS	4	TMP2RGPV	TO INDICATE RETRY ADDRESS ON SETRP
464	(1D0)	ADDRESS	4	TMP2RET@	MACRO ISSUED IN IKJEFT05
468	(1D4)	ADDRESS	4	TMP2SR14	USED BY RECOVERY ROUTINE TO SAVE RETURN POINT WHEN IT DOES A CALL TO A SUBROUTINE.
472	(1D8)	CHARACTER	1	TMP2TSC2	FLAG NEEDED BY TSC

TMPWA Map

Offsets		Type/Value 1...	Len	Name (Dim) TMP2CLR	Description
Dec	Hex				
		.1..		TMP2REC	"X'40" INDICATE RETRY TO IKJEFT01
		..1.		TMP2SRCT	"X'20" INDICATE TIB IS TO BE UPDATED BY RECOVERY
		...1		TMP2INIT	"X'10" INDICATE T01 GOT CONTROL FROM RECOVERY
		.... 1...		TMP2RINT	"X'08" RESTART REXX
473	(1D9)	CHARACTER	3		RESERVE
476	(1DC)	ADDRESS	4	TMP2TAIE	PTR TO TAIE USED BY IKJEFT02
480	(1E0)	ADDRESS	4	TMP2TSP	PTR TO IKJTSP MAPPING MACRO
484	(1E4)	ADDRESS	4	TMP2TP2W	PTR TO SHARED DYNAMIC AREA BETWEEN IKJEFT02 AND IKJEFTP2
488	(1E8)	ADDRESS	4	TMP2CAFP	PTR TO IKJCAFPL PARAMETER LIST
492	(1EC)	CHARACTER	4	TMP2MRG2 (0)	SECOND GROUP OF POINTERS TO MODULE SAVEAREAS EACH TMP MODULE STORES THE ADDRESS OF ITS REGISTERS SO IKJEFT05 CAN ESTABLISH ADDRESSABILITY DURING A RETRY
492	(1EC)	ADDRESS	4	TMP2RGP2	ADDRESS IKJEFTP2'S REGISTERS
496	(1F0)	CHARACTER	72	TMP2TPSA	IKJEFTP2'S PROTECTED SAVEAREA PASSED BY IKJEFT02
568	(238)	CHARACTER	72	TMP2TPS2	IKJEFTP2'S PROTECTED SAVEAREA USED BY TP2 TO CALL ITS OWN PROCEDURES.
640	(280)	DBL WORD	8	T3PARMS (0)	PARAMETER LIST PASSED TO ATTENTION ROUTINE IKJEFT03.
640	(280)	ADDRESS	4	T3TAIE@	ADDRESS OF THE TAIE
644	(284)	ADDRESS	4		NOT USED
648	(288)	ADDRESS	4	T3WKPTR2	ADDRESS OF TMPWRKA2
652	(28C)	SIGNED	4	STAXPPTR	ADDRESS OF STAX PARM LIST
656	(290)	CHARACTER	16	SYNCHSP	SYNCH PARM LIST
672	(2A0)	CHARACTER	72	TMP2TPS3	IKJEFTP2'S ADDITIONAL PROTECTED SAVEAREAS USED BY TP2 TO CALL ITS OWN PROCEDURES
744	(2E8)	CHARACTER	72	TMP2T08S	IKJEFT08'S PROTECTED SAVEAREA USED BY T02 TO FOR LINK
816	(330)	SIGNED	4	SAVLNKN	FOR IKJEFT08

Comment

THE FOLLOWING ARE FOR IKJEFTP2 LINKS TO IRXESTK1

End of Comment

820	(334)	ADDRESS	4	TMP2FUN@	ADDRESS OF IRXESTK1 FUNCTION
824	(338)	ADDRESS	4	TMP2DAT@	ADDRESS OF POINTER TO IRXESTK1 DATA
828	(33C)	ADDRESS	4	TMP2DAL@	ADDRESS OF IRXESTK1 DATA LENGTH
832	(340)	SIGNED	4	TMP2FUNC	IRXESTK1 FUNCTION
836	(344)	ADDRESS	4	TMP2DATA	IRXESTK1 DATA STACK ELEMENT ADDRESS
840	(348)	SIGNED	4	TMP2DATL	IRXESTK1 DATA STACK ELEMENT LENGTH

Comment

THE FOLLOWING ARE FOR IKJEFT08 LINKS TO IRXESTK1

End of Comment

844	(34C)	ADDRESS	4	TMP2FU@2	ADDRESS OF IRXESTK1 FUNCTION
848	(350)	ADDRESS	4	TMP2DA2@	ADDRESS OF POINTER TO IRXESTK1 DATA
852	(354)	ADDRESS	4	TMP2DL2@	ADDRESS OF IRXESTK1 DATA LENGTH
856	(358)	SIGNED	4	TMP2FUN2	IRXESTK1 FUNCTION
860	(35C)	ADDRESS	4	TMP2DAT2	IRXESTK1 DATA STACK ELEMENT ADDRESS
864	(360)	SIGNED	4	TMP2DAL2	IRXESTK1 DATA STACK ELEMENT LENGTH
868	(364)	SIGNED	4	TMP2PRO1	FUNCTION TO BE PASSED TO IRXESTK1
872	(368)	SIGNED	4	TMP2PRO2	FUNCTION TO BE PASSED TO IRXTVARS
876	(36C)	ADDRESS	4	TMP2EXDP	ADDRESS OF EXECDATA TO BE PASSED TO IRXTVARS

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
880	(370)	SIGNED	4	SAVLNKO	FOR IKJEFT08
884	(374)	SIGNED	4	TMP2RSVD	RESERVED
888	(378)	CHARACTER	24	TMP2EDST (0)	Storage for IKJEFT08 subtrns TIBENQ and TIBDEQ and IKJEFTP2 subtrns TSFENQ and TSFDEQ
888	(378)	CHARACTER	8	TMP2ENQR (0)	RNAME FOR ENQUE ON TMP3TIBQ
888	(378)	CHARACTER	4	TMP2TCBA	CONTAINS LITERAL CHARACTER STRING 'TCBA'
892	(37C)	SIGNED	4	TMP2T02A	ADDRESS OF ACTIVE IKJEFT02 TCB
896	(380)	CHARACTER	16	TMP2ENDQ	Area for ENQ/DEQ
912	(390)	ADDRESS	4	TMP2RGQ2	Address of the IKJEFTQ2 storage.
916	(394)	ADDRESS	4	TMP2DYDC	DY DCB address
920	(398)	SIGNED	4	TMP2T01E	T01 entry indicator
924	(39C)	SIGNED	4	TMP2T5R0	Reg 0 save area for T05
928	(3A0)	SIGNED	4	TMP2T5R1	Reg 1 save area for T05
932	(3A4)	SIGNED	4	TMP2T5RF	Reg 15 save area for T05
936	(3A8)	SIGNED	4	TMP2T5WL	len of key1 T05 dyn area
940	(3AC)	SIGNED	4	TMP2T5W1	adr of key1 T05 dyn area
944	(3B0)	CHARACTER	8		RESERVE
952	(3B8)	DBL WORD	8	TMP2END (0)	ASSURE THAT THIS WORKAREA END IN A DOUBLE WORD BOUNDARY. ANY ADDITION TO WORKAREA SHOULD BE PUT BEFORE TMP2END
		.... ...1		TMP2ET01	"X'00000001" Indicates that the IKJEFT01 entry point is being processed.
		.... ..1.		TMP2ET1A	"X'00000002" Indicates that the IKJEFT1A entry point is being processed.
		.... ..11		TMP2ET1B	"X'00000003" Indicates that the IKJEFT1B entry point is being processed.
		.... 1.1.		TMP2ET1I	"X'0000000A" Indicates that the PWS exits are enabled

Comment

WHEN SETTING A MODULE IN CONTROL FLAG,EACH MODULE WILL HAVE A SPECIFIC BIT VALUE. WHEN SETTING ONE OF THESE FLAGS, ALL OTHER MODULE FLAGS WILL BE TURNED OFF
IKJEFT01'S BIT VALUE

End of Comment

952	(3B8)	BITSTRING	0	TMP2VT01	"X'8000" IKJEFTSC'S BIT VALUE
952	(3B8)	BITSTRING	0	TMP2VTSC	"X'4000" IKJEFT02'S BIT VALUE
952	(3B8)	BITSTRING	0	TMP2VT02	"X'2000" IKJEFTPV'S BIT VALUE
952	(3B8)	BITSTRING	0	TMP2VTPV	"X'1000" IKJEFT08'S BIT VALUE
952	(3B8)	BITSTRING	0	TMP2VT08	"X'0800"

TMPWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
ABMSGSP	F8		ATTCHPTR	CC	
ABND806	50	4	ATTCHSP	1BC	
ACEEPTR	C0		ATTEXC2	A9	20
ACTSEG	124		BKGMODE	A8	80
ACTSEGA	124	124	BLANKB	50	10
ACTSEGB	124	126	BLDLELNG	206	
ACTSL	124		BLDLENT	204	
AMSGLIST	194		BLDLLST	204	
AMSGSEG	198		BLDLNAME	208	
ANUMSEG	194		BLDLRC	6BC	
ARCODE	1A0		BLDLTMP_R	212	
ASCANAP	C4		BLDLTMP_TT	210	
ASCANFLG	1A4		BLDLTTRZ	210	
ASCBPTR	34		CALLNOW	50	8
ASRPARM	1A8		CALLSWS	50	53
ASRPLPTR	C8		CALLWA	5C8	
ASXPTR	38		CDCBPTR	D0	
ATCHNOW	50	80	CDCBSP	248	

TMPWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
CLOSESP	2D4		FRSTLAB	50	2
CMDACTP	48		GMBRNOW	50	4
CPABECB	6D8		GTPBPTR	A8	
CPPLPTR	98		GTPBSP	4A4	
CPPLSP	2E0		IOPLPTR	AC	
CRCODE	6C8		JSCBPTR	44	
CSOAPTR	9C		LENPARM	5CC	
CSOASP	2F0		LINKNOW	50	20
CSOASP2	2F8		LOADNOW	50	40
CSPLPTR	A0		LWAPTR	40	
CSPLSP	300		LWAPTR1	58	
CSPLSP2	318		MBRDLEN	680	
CTLBKSP	330		MBRDSEG	680	
CTLBLKA	334		MBRDTXT	682	
CTLBLKL	330		MBRSEG	674	
CTLBLKN	338		MBRSLEN	674	
DAIRRC	6C0		MBRSOFF	676	
DAPBSP	33C		MBRSTXT	678	
DAPBOPTR	670		MCFLGS1	A8	
DAPLPTR	A4		MCTLFLGS	A8	
DAPLSP	390		MDYNASP	C8	
DCBPTR	D4		MODEMSP	5A0	
DCBSP	3A8		MODESSP	4AC	
DIDCALL	19B	10	MSGNO	66C	
DOACTV	50	10	MTPL	AC	
DOATTN	50	2	MTPLCBUF	AC	
DOCHKAT	50	8	MTPLECT	B8	
DOCHKCP	50	2	MTPLPS	B0	
DODONE	50	8	MTPLPSCB	B4	
DOFRECB	50	40	MTPLUPT	B0	
DOGETC	50	10	NONSCUR	50	1
DOIMPLX	50	40	NXTCMD	4B0	
DOINVOK	50	4	OPENSP	4B8	
DOLIST	50	20	PARMFLD	5CC	
DOPSTRT	50	20	PARMS	5CE	
DOPUTM	50	80	PARSPARM	634	
DORELS	50	8	PCFDA	50	2
DOSCAN	50	2	PDLADDR	634	
DOSETBF	50	10	PDLADDR2	638	
DOSETTB	50	8	PDLPRES	50	80
DOTEST	50	20	PGPBPTR	B0	
DOWAIT	50	4	PGPBSP	4C4	
DRSAPF	A8	40	PPLIST	5C8	
DSNBUF	63E		PPLPTR	B4	
DSNBUFFR	63C		PPLSP	4D4	
DSNLENG	63C		PPWORKAR	5C8	
DSOPEN	50	40	PRSMSSP	4F0	
DSSEG	68C		PSCBPTR	30	
DSSGLEN	68C		PTPBPTR	B8	
DSSGOFF	68E		PTPBSP	4FC	
DSSGTX	690		PUTLRC	6C4	
DYNAPPTR	D8		RCODE	508	
DYNASP	434		READYPTR	E0	
DYNATUB	45C		RESCOMM	5C	
EBCDPTR	DC		RESCOM2	64	
ECBLPTR	6DC		RESCOM3	74	
ECTPTR	2C		RESCOM4	84	
ECTSP	460		RESERVE5	1A3	
FLOFLGS	50		RLGBPTR	3C	
FLOFLGS1	50	50	RTRYSA	BC	
FLOFLGS2	50	51	RTRY51	BC	
FLOFLGS3	50	52	RTRY52	C0	
FLOFLGS4	50	53	RTRY53	C4	
FMLCSP	498		R1PGMLST	19B	8
FRSTEX	50	10	R3SAVE	50C	

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
SAVAR	510		TMPECBAT	6EC	
SAVARPTR	C		TMPECBL2	6E0	
SAVLNKA	78		TMPECBL3	714	
SAVLNKB	7C		TMPECB2	6D4	
SAVLNKC	80		TMPFLAG1	134	
SAVLNKD	84		TMPFLAG2	135	
SAVLNKE	88		TMPFLAG3	136	
SAVLNKF	8C		TMPFLAG4	137	
SAVLNKG	90		TMPFLG1	19B	
SAVLNKH	94		TMPFORCE	135	80
SAVLNKJ	98		TMPIECB	44	
SAVLNKK	9C		TMPIECB2	6E4	
SAVLNKL	A0		TMPLOAD	19B	20
SAVLNKM	A4		TMPNECB	3C	
SAVLNKN	330		TMPNFCMD	50	20
SAVLNKO	370		TMPRESV7	19B	2
SAVLNKRS	78		TMPRESV8	19B	1
SAVRA	64		TMPR15RC	6FC	
SAVRB	68		TMPSC ECB	6F0	
SAVRC	6C		TMPSCTRL	50	8
SAVRM	70		TMPSPLS	150	
SCANAP	E4		TMPSTAI	14C	
SCANFLG	548		TMPSWAIT	6F0	80
SKPATTN	50	1	TMPAWS	50	
SNAPSP	54C		TMPTECB	6D0	
SRPLPTR	E8		TMPTECB3	714	
STAXPPTR	28C		TMPTEST	50	80
STBPTR	F0		TMPTEST@	138	
STPBSP	574		TMPTIME	10	
STPLPTR	BC		TMPTSKLB	13C	
STPLSP	58C		TMPTSKRC	154	
SVLNKE	74		TMPTSTAU	134	2
SWBIT	5C8		TMPT04	14	
SYNCHSP	290		TMPT042	18	
TCBPTR	24		TMPT043	4C	
TEPKEY	20		TMPT05	1C	
TMPABECB	148		TMPT9ECB	54	
TMPACTRL	50	10	TMPURPA	58	
TMPAECB	48		TMPWA2P	8	
TMPAECB2	6E8		TMPWRKA1	38	0
TMPAECB3	71C		TMPWRKA2	0	
TMPAPF	134	8	TMPW1LEN	178	
TMPAPFCK	19B	40	TMPW2LEN	17C	
TMPARALL	19B	80	TMPZEROS	59C	
TMPBIT07	134	1	TMP1ABNC	704	
TMPBLDAT	FC		TMP1CDCA	768	
TMPBLDL	F0		TMP1ECB2	6F4	
TMPBLDN	F2		TMP1END	790	
TMPBLDNM	F4		TMP1LEV	710	
TMPBLDNR	F0		TMP1NAME	708	
TMPBUFF@	180		TMP1RSNC	700	
TMPCALST	140		TMP1TIME	50	4
TMPCECB	40		TMP1TQ2S	720	
TMPCECB2	6E0		TMP1TSFE	50	80
TMPCECB3	718		TMP2AECB	174	
TMPCMDW	50	40	TMP2ATIB	16C	
TMPCMDWT	4C		TMP2ATNP	15C	
TMPCP	134	80	TMP2CAFP	1E8	
TMPCPABN	134	10	TMP2CLR	1D8	80
TMPCPCAL	134	40	TMP2CODE	19A	4
TMPCPPL@	144		TMP2DAL@	33C	
TMPCPTST	134	20	TMP2DAL2	360	
TMPCTCB	6CC		TMP2DAT@	338	
TMPDE	134	4	TMP2DATA	344	
TMPDETCH	19B	4	TMP2DATL	348	

TMPWA Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TMP2DAT2	35C		TMP2RBSC	1AC	
TMP2DA2@	350		TMP2RCOV	19C	
TMP2DEBUG	198		TMP2READ	19A	80
TMP2DL2@	354		TMP2REC	1D8	40
TMP2DMPF	1AA	8000	TMP2RET@	1D0	
TMP2DONE	19A	1	TMP2RGPV	1CC	
TMP2DYDC	394		TMP2RGP2	1EC	
TMP2EDST	378		TMP2RGQ2	390	
TMP2END	3B8		TMP2RGSC	1C4	
TMP2ENDQ	380		TMP2RG01	1C0	
TMP2ENQR	378		TMP2RG02	1C8	
TMP2ET01	3B8	1	TMP2RINT	1D8	8
TMP2ET1A	3B8	2	TMP2RSVD	374	
TMP2ET1B	3B8	3	TMP2RTPV	1BC	
TMP2ET1I	3B8	A	TMP2RTRY	1AC	
TMP2EXDP	36C		TMP2RT02	1B8	
TMP2FAIL	1AA		TMP2RWSC	1B0	
TMP2FBSC	19F	40	TMP2RW02	1B4	
TMP2FCTL	19E		TMP2SA@	164	
TMP2FFLG	198		TMP2SLBC	1A8	2000
TMP2FISC	19F	80	TMP2SLIC	1A8	4000
TMP2FI01	19E	80	TMP2SLPV	1A8	400
TMP2FLBC	1A6	2000	TMP2SLRC	1A8	
TMP2FLIC	1A6	4000	TMP2SL01	1A8	8000
TMP2FLI1	1A6	8000	TMP2SL02	1A8	1000
TMP2FLRC	1A6		TMP2SL08	1A8	800
TMP2FLTV	1A6	800	TMP2SRCT	1D8	20
TMP2FL02	1A6	1000	TMP2SR14	1D4	
TMP2FSUV	1A1	80	TMP2STAT	198	40
TMP2FTMC	19F	20	TMP2SVCI	A9	8
TMP2FTM1	19E	40	TMP2SYN1	A9	2
TMP2FTPV	1A1		TMP2SYN2	A9	1
TMP2FTSC	19F		TMP2TAIE	1DC	
TMP2FT01	19E		TMP2TCBA	378	
TMP2FT02	1A0		TMP2TIB@	168	
TMP2FT08	1A2		TMP2TPSA	1F0	
TMP2FU@2	34C		TMP2TPS2	238	
TMP2FUN@	334		TMP2TPS3	2A0	
TMP2FUNC	340		TMP2TPVR	19A	2
TMP2FUN2	358		TMP2TP2W	1E4	
TMP2INIT	1D8	10	TMP2TSCA	A9	10
TMP2LEV	194		TMP2TSCF	1AA	4000
TMP2MAIN	19A	20	TMP2TSC2	1D8	
TMP2MCAF	19C	400	TMP2TSFC	A9	40
TMP2MCTL	19C		TMP2TSFG	198	
TMP2MECB	170		TMP2TSFR	1A6	400
TMP2MRG1	1C0		TMP2TSLB	A8	20
TMP2MRG2	1EC		TMP2TSP	1E0	
TMP2MTPV	19C	1000	TMP2T01E	398	
TMP2MTSC	19C	4000	TMP2T02A	37C	
TMP2MT01	19C	8000	TMP2T02F	1AA	2000
TMP2MT02	19C	2000	TMP2T08S	2E8	
TMP2MT08	19C	800	TMP2T5RF	3A4	
TMP2NAME	18C		TMP2T5R0	39C	
TMP2NPAR	199	80	TMP2T5R1	3A0	
TMP2NTSL	A8	10	TMP2T5WL	3A8	
TMP2PAGE	19A	10	TMP2T5W1	3AC	
TMP2PARM	160		TMP2VFPR	19A	
TMP2PGM	19A	8	TMP2VTPV	3B8	1000
TMP2PLEN	188		TMP2VTSC	3B8	4000
TMP2POST	198	8	TMP2VT01	3B8	8000
TMP2PPTR	184		TMP2VT02	3B8	2000
TMP2PRO1	364		TMP2VT08	3B8	800
TMP2PRO2	368		TMP2WAIT	198	10
TMP2PUR	198	80	TMP2WA2S	198	2

Name	Hex Offset	Hex Value
TMP2WRIT	19A	40
TMP2W1ST	198	4
TMP2W2ST	198	1
TPL	0	
TPLAECB	34	
TPLCBUF	0	
TPLCECB	2C	
TPLCTCB	14	
TPLECBL	28	2C
TPLECT	C	
TPLIECB	30	
TPLMECB	28	
TPLNECB	20	
TPLNTCB	24	
TPLPSCB	8	
TPLSPLS	1C	
TPLSTAI	18	
TPLTBUF	10	
TPLTPLE	38	
TPLUPT	4	
TWRKA2A	0	
TWRKA2B	A8	
TWRKA2C	F0	
T0ASAVEP	54	
T2FLGT08	199	
T2T8T9F	1AA	1000
T3PARMS	280	
T3TAIE@	280	
T3WKPTR2	288	
T7TDONE	50	2
UPTPTR	28	
WORK1	634	
WRKA1PTR	0	
WRKA2PTR	4	
XTRCLST	204	

TMP3 Information

TMP3 Heading Information

Common Name: TMP Work Area 3
Macro ID: IKJTMP3
DSECT Name: TMP3

Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: TMP3
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 230
 Key: 1
 Residency: Below 16MB
Size: 40 bytes
Created by: IKJEFT01
Pointed to by: LWATMPW3 field of the LWA
Serialization: Serialization is required to change the TMP3TIBQ field.
 Serialization is provided via ENQ and DEQ macros as follows:
 Major name: SYSZTSOE -- a prefix of SYSZ indicates that this is a system (authorized) ENQ.
 Minor name: TCBAxxxx -- where xxxx is the active IKJEFT02 TCB address at the time that the TMP3TIBQ is to be changed.
 The active IKJEFT02 TCB address is available in the TMP3AT02 field of the TMP3 data area.
 Scope: Step Level
Function: TMP3 is a communications area between TMP initialization, the TMP mainline, and internal TSO/E routines that require processing within the TMP.

TMP3 Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	96	TMP3	
0	(0)	CHARACTER	4	TMP3TMP3	ACRONYM IN EBCDIC 'TMP3'
4	(4)	UNSIGNED	1	TMP3LEV	TMP3 VERSION
5	(5)	CHARACTER	1	TMP3FLAG	FLAG NEEDED BY TMP PROCESSING
		1...		TMP3ATTN	INDICATE ATTN EXIT ESTABLISHED BY T02 IS IN CONTROL (IKJEFT03)
		.1..		TMP3TSFC	AN ATTENTION OCCURRED WHILE IN TSF/CLIST MODE AND THERE WERE NO CLIST ATTENTION EXITS TO PROCESS.
		..1.		TMP3NOAT	AN ATTENTION OCCURRED WHILE THE PARALLEL TMP IS INITIALIZING
		...1		TMP3USAG	INDIC. REGISTERED FOR USAGE BASED PRICING
		.... 1...		TMP3ESTA_CANCEL	

TMP3 Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.... .111		*	SHOWS HOW THE ESTAE IS SET-UP BY
6	(6)	BITSTRING	1	TMP3RS02	IKJEFT01, IKJEFTSC YES: CANCEL=YES NO:
7	(7)	1...		TMP3TBIU	CANCEL=NO
		.1..		TMP3TSFA	R E S E R V E
		..1.		TMP3TIP	RESERVED
		...1 1111		TMP3RS03	TMP TIB IN USE BIT MAINTAINED BY IKJEFTP2
8	(8)	CHARACTER	4	TMP3PECB	AND IKJEFT08
		1...		*	AN ATTENTION OCCURRED WHILE IN TSF/CLIST
		.1..		TMP3PECP	MODE, AN AUTHORIZED COMMAND WAS
8	(8)	BITSTRING	3	*	PROCESSING, AND THERE WAS NO CLIST
12	(C)	ADDRESS	4	TMP3AT02	ATTENTION ROUTINE. THIS INDICATES THAT
16	(10)	ADDRESS	4	TMP3TIBQ	THE PARALLEL TMP SHOULD BE TERMINATED.
20	(14)	ADDRESS	4	TMP3WKA2	SET BY IKJEFT03, CHECKED AND RESET BY
24	(18)	ADDRESS	4	TMP3ENVB	IKJEFTP2.
28	(1C)	ADDRESS	4	TMP3WRK2	TERMINATION IN PROGRESS AT THE T01 TASK
32	(20)	ADDRESS	4	TMP3WA2	LEVEL
36	(24)	ADDRESS	4	TMP3AW2	RESERVED
40	(28)	CHARACTER	4	TMP3AECB	ECB USED TO INITIATE PARALLEL TMP
		1...		*	PROCESSING
		.1..		TMP3AECP	ECB WAIT BIT
40	(28)	BITSTRING	3	*	PARALLEL PROCESSING ECB POST BIT
44	(2C)	CHARACTER	4	TMP3DECB	ECB COMPLETION CODE
		1...		*	TCB ADDR FOR THE T02 CURRENTLY ACTIVE
		.1..		TMP3DECP	ADDR OF THE FIRST BLOCK ON THE TIB (TMP
44	(2C)	BITSTRING	3	*	INTERFACE BLOCK) QUEUE
48	(30)	CHARACTER	4	TMP3TECB	PTR TO AN IMAGE OF TMPWRKA2 USED TO
		1...		*	INITIALIZE THE TMP WORK AREAS PASSED TO
		.1..		TMP3TECP	THE PARALLEL T02
48	(30)	BITSTRING	3	*	PTR TO TSO REXX ENVBLOCK
52	(34)	ADDRESS	4	TMP3FREE	PTR TO A TMPWRKA2 (KEY 1) USED BY T01
				(4294967307:553725952)	PTR TO T02'S PROTECTED WORKAREA
					PTR TO ACTIVE T02 PROTECTED WORKAREA
					NEED BY ATTN EXIT IN TSC TO GET ACCESS TO
					UNPROTECTED WORKAREA TO POST ATTN ECB
					ECB USED TO INITIATE CONSOLE AUTHORIZED
					TASK
					ECB WAIT BIT
					ATTACH CONSOLE TASK ECB POST BIT
					ECB COMPLETION CODE
					ECB POSTED BY RTM WHEN THE CONSOLE
					AUTHORIZED TASK TERMINATES
					ECB WAIT BIT
					DETACH CONSOLE TASK ECB POST BIT
					ECB COMPLETION CODE
					TSOLIB's ECB - used to initiate a TSOLIB request
					within the TMP.
					TSOLIB ECB wait bit
					TSOLIB ECB post bit
					TSOLIB ECB completion code
					Room reserved for later use.

Comment

ADD ANY NEW FIELDS BEFORE THE NEXT DECLARE.

End of Comment

96	(60)	CHARACTER	0	*	ASSURE TMP3 ENDS ON A DOUBLE WORD BOUNDARY
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TMP3 Constants

Len	Type	Value	Name	Description
Comment				
CONSTANTS FOR INITIALIZING THE CONTROL BLOCK ID AND LEVEL TMP3LEVEL MUST BE INCREMENTED WHEN THE TMP3 IS UPDATED.				
End of Comment				
4	CHARACTER	TMP3	TMP3CHAR	CHARACTERS FOR INITIALIZING TMP3TMP3
1	DECIMAL	3	TMP3LEVEL	TMP3 LEVEL = 3

TMP3 Cross Reference

Name	Hex Offset	Hex Value
TMP3	0	
TMP3AECB	28	
TMP3AECP	28	40
TMP3ATTN	5	80
TMP3AT02	C	
TMP3AW2	24	
TMP3DECB	2C	
TMP3DECP	2C	40
TMP3ENVB	18	
TMP3ESTA_CANCEL	5	08
TMP3FLAG	5	
TMP3FREE	34	
TMP3LEV	4	
TMP3NOAT	5	20
TMP3PECB	8	
TMP3PECP	8	40
TMP3RS02	6	
TMP3RS03	7	1F
TMP3TBIU	7	80
TMP3TECB	30	
TMP3TECP	30	40
TMP3TIBQ	10	
TMP3TIP	7	20
TMP3TMP3	0	
TMP3TSFA	7	40
TMP3TSFC	5	40
TMP3USAG	5	10
TMP3WA2	20	
TMP3WKA2	14	
TMP3WRK2	1C	

TPL Information

TPL Programming Interface information

Programming Interface information

TPL

End of Programming Interface information

TPL Heading Information • TPL Cross Reference

TPL Heading Information

Common Name: TSO/E TEST Parameter List
Macro ID: IKJTPL
DSECT Name: TPL
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
 Key: 8
Size: 60 bytes
Created by: IKJEFT01
Pointed to by: Register 1 on entry to TSO/E TEST
Serialization: None
Function: Communication medium between the TMP and TEST, containing pointers to ECBs, buffers, and control blocks.

TPL Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	60	TPL	
0	(0)	ADDRESS	4	TPLCBUF	PTR TO COMMAND BUFFER
4	(4)	ADDRESS	4	TPLUPT	PTR TO UPT
8	(8)	ADDRESS	4	TPLPSCB	PTR TO PSCB
12	(C)	ADDRESS	4	TPLECT	PTR TO ECT
16	(10)	ADDRESS	4	TPLTBUF	PTR TO TEST COMMAND BUFFER
20	(14)	ADDRESS	4	TPLCTCB	PTR TO ATTACHED CP TCB
24	(18)	ADDRESS	4	TPLSTAI	PTR TO TMP STAI EXIT RTN
28	(1C)	ADDRESS	4	TPLSPLS	PTR TO STAI PARAMETER LIST
32	(20)	ADDRESS	4	TPLNECB	PTR TO ECB FOR ABENDING CP
36	(24)	ADDRESS	4	TPLNTCB	PTR TO TCB FOR ABENDING CP
40	(28)	ADDRESS	4	TPLMECB	PTR TO STOP/MODIFY ECB
44	(2C)	CHARACTER	12	TPLECBL	TMP WAIT ECB LIST
44	(2C)	ADDRESS	4	TPLCECB	PTR TO ATTACHED CP ECB
48	(30)	ADDRESS	4	TPLIECB	PTR TO TMP STAI ECB
52	(34)	CHARACTER	1	TPLLEND	HIGH ORDER BIT ON
53	(35)	ADDRESS	3	TPLAECB	PTR TO TMP ATTN ECB
56	(38)	ADDRESS	4	TPLTPLE	TPL EXTENT ADDRESS

TPL Cross Reference

Name	Hex Offset	Hex Value
TPL	0	
TPLAECB	35	
TPLCBUF	0	
TPLCECB	2C	
TPLCTCB	14	
TPLECBL	2C	
TPLECT	C	
TPLIECB	30	
TPLLEND	34	
TPLMECB	28	
TPLNECB	20	
TPLNTCB	24	
TPLPSCB	8	
TPLSPLS	1C	
TPLSTAI	18	
TPLTBUF	10	
TPLTPLE	38	
TPLUPT	4	

TPLE Information

TPLE Programming Interface information

Programming Interface information

TPLE

End of Programming Interface information

TPLE Heading Information • TPLE Cross Reference

TPLE Heading Information

Common Name: Test Parameter List Extent
Macro ID: IKJTPLE
DSECT Name: TPLE
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 1
 Key: 0
Size: 32 bytes
Created by: IKJEFT01, IKJEFTSC
Pointed to by: TPLTPLE field in the TPL
Serialization: None
Function: The TPLE is an extension to the TPL. It is created so a DCB chain address can be passed to the TMP by TSO/E TEST.

TPLE Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	32	TPLE	
0	(0)	ADDRESS	4	TPLETDCB	PTR TO THE TEST DCB
4	(4)	CHARACTER	4	TPLEFLGS	TPLE FLAG FIELDS
4	(4)	CHARACTER	1	TPLEFLG1	TPLE FLAG1 FIELD
		1...		TPLETSTA	TESTAUTH WAS THE COMMAND ENTERED
		.111 1111		*	RESERVED FLAGS
5	(5)	CHARACTER	3	*	TPLE RESERVED FLAGS
8	(8)	ADDRESS	4	TPLENCBF	PTR TO THE TESTAUTH INITIALIZA- TION EXIT
12	(C)	ADDRESS	4	TPLECOMW	NEW COMMAND BUFFER PARAMETER PTR TO THE TESTAUTH INITIALIZA- TION EXIT
16	(10)	CHARACTER	16	TPLERSVD	COMMUNICATION WORD PARAMETER RESERVED

TPLE Cross Reference

Name	Hex Offset	Hex Value
TPLE	0	
TPLECOMW	C	
TPLEFLGS	4	
TPLEFLG1	4	
TPLENCBF	8	
TPLERSVD	10	
TPLETDCB	0	
TPLETSTA	4	80

TSP Information

TSP Programming Interface information

Programming Interface information

TSP

End of Programming Interface information

TSP Heading Information • TSP Map

TSP Heading Information

Common Name: Linkage Assist Routine Parameter List
Macro ID: IKJTSP
DSECT Name: TSP
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: TSP
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 1
 Key: 8
Size: 120 bytes
Created by: IKJEFT01, IKJEFTSC
Pointed to by: TMPWRKA2 field of the TMPWA
Serialization: None
Function: Contains control information for linkage assist routine (LAR) processing of TMP I/O.

TSP Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TSP	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	4	TSPTSP	IDENTIFIER 'TSP '
0	(0)	X'E2D740'	0	TSPTSPC	"C'TSP "' TSP ACRONYM CONSTANT
4	(4)	BITSTRING	1	TSPLEV	TSP VERSION NUMBER
		.... ...1		TSPLEV1	"X'01'" TSP VERSION NUMBER CONSTANT
5	(5)	BITSTRING	1	TSPRES01	RESERVED
6	(6)	BITSTRING	1	TSPRES02	RESERVED
7	(7)	BITSTRING	1	TSPRES03	RESERVED
7	(7)	X'8'	0	TSPWA	*** USED TO CLEAR OUT WORK AREA
8	(8)	SIGNED	4	TSPTYPE	TYPE OF FUNCTION TO PERFORM
8	(8)	X'1'	0	TSPOPENS	"1" OPEN DATA SET AS INPUT WITH SYNAD EXIT
8	(8)	X'2'	0	TSPOPEN	"2" OPEN A DATA SET
8	(8)	X'100'	0	TSPCLOSE	"256" CLOSE DATA SET WITH SYNAD EXIT
8	(8)	X'101'	0	TSPCLOSE	"257" CLOSE DATA SET
8	(8)	X'102'	0	TSPCLOSEF	"258" CLOSE DATA SET AS FREE
8	(8)	X'200'	0	TSPBLDL	"512" BLDL ON LIBRARY
8	(8)	X'300'	0	TSPREAD	"768" READ A DATA SET FOLLOWED BY A CHECK TO SEE IF I/O IS FINISHED
8	(8)	X'500'	0	TSPFIND	"1280" FIND A NAME IN A DATA SET
12	(C)	ADDRESS	4	TSPDCB	ADDRESS OF DCB
16	(10)	ADDRESS	4	TSPPLIST	ADDRESS OF MACRO LIST ADDRESS
20	(14)	ADDRESS	4	TSPDECB	ADDRESS OF DATA EVENT CONTROL BLCK
24	(18)	ADDRESS	4	TSPMEMB	ADDRESS OF BUFFER FOR MEMBER NAME
28	(1C)	SIGNED	4	TSPSAVEA (18)	SAVE AREA FOR IKJEFTSL REGISTERS
100	(64)	SIGNED	4	TSPSTAT	AREA FOR STATUS OF SYNAD
104	(68)	SIGNED	4	TSPRCODE	AREA FOR RETURN CODE FROM EXECUTED MACRO
108	(6C)	SIGNED	4	TSPRES04	RESERVED

Comment

SET THE TSPTYPE WITH ONE OF THE FOLLOWING CONSTANTS TO INDICATE THE TYPE OF FUNCTION THAT WILL BE PERFORMED

End of Comment

112	(70)	DBL WORD	8	TSPEND (0)	' END IKJTSP ON A DOUBLE WORD BOUNDRY
112	(70)	X'68'	0	TSPWALEN	**-'TSPWA' LENGTH OF LOGON WORK AREA

TSP Cross Reference

Name	Hex Offset	Hex Value
TSP	0	
TSPBLDL	8	200
TSPCLOSE	8	101
TSPCLOSF	8	102
TSPCLOSS	8	100
TSPDCB	C	
TSPDECB	14	
TSPEND	70	
TSPFIND	8	500
TSPLEV	4	
TSPLEV1	4	1
TSPMEMB	18	
TSPOPEN	8	2
TSPOPENS	8	1
TSPPLIST	10	
TSPRCODE	68	
TSPREAD	8	300
TSPRES01	5	
TSPRES02	6	
TSPRES03	7	
TSPRES04	6C	
TSPSAVEA	1C	
TSPSTAT	64	
TSPTSP	0	
TSPTSPC	0	E2D740
TSPTYPE	8	
TSPWA	7	8
TSPWALEN	70	68

TSVT Information

TSVT Programming Interface information

Programming Interface information

TSVT

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

- TSVTVACC

End of Programming Interface information

TSVT Heading Information • TSVT Map

TSVT Heading Information

Common Name: TSO/E Vector Table
Macro ID: IKJTSVT
DSECT Name: TSVT
 ACRONYM: TSVT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: TSVT
 Offset: 0
 Length: 4
Storage Attributes: Subpool: 241
 Key: 0
 Residency: Below 16M line
Size: 296 bytes
Created by: IKJEFXSR
Pointed to by: CVTTVT field of the CVT data area
Serialization: None
Function: Contains addresses of branch entered routines and control blocks.

TSVT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	TSVT	
0	(0)	DBL WORD	8	(0)	BEGIN TSVT ON DOUBLE WORD BDY
0	(0)	CHARACTER	4	TSVTTSVT	ACRONYM IN EBCDIC 'TSVT'
4	(4)	CHARACTER	1	TSVTLEV	TSVT VERSION
5	(5)	CHARACTER	1	TSVTFLG1	FLAG INDICATORS
6	(6)	CHARACTER	2	TSVTRSV1	RESERVED
8	(8)	ADDRESS	4	TSVTNCT	ADDRESS OF THE MOST CURRENT NOTICE TABLE
12	(C)	ADDRESS	4	TSVTVACC	ADDRESS OF THE CLIST VARIABLE ACCESS ROUTINE
16	(10)	ADDRESS	4	TSVTASF	ADDRESS OF THE AUTHORIZED SERVICE FACILITY ROUTINE

Comment

TSO/E R2.1 SUPPORT

End of Comment

20	(14)	ADDRESS	4	TSVTLTBL	ADDRESS OF LOGON ADDRESS TABLE
24	(18)	ADDRESS	4	TSVTFLA1	ADDRESS OF LOGON INITIALIZATION MODULE
28	(1C)	ADDRESS	4	TSVTCTIO	ADDRESS OF CLIST I/O LAR
32	(20)	ADDRESS	4	TSVTCTAB	ADDRESS OF LOAD MODULE CONTAINING MESSAGES IN TRANSLATE TABLES
36	(24)	ADDRESS	4	TSVTT440	ADDRESS OF CLIST VARIABLE ACCESS METHOD - IKJCT440
40	(28)	ADDRESS	4	TSVTT441	ADDRESS OF GENERAL VARIABLE ACCESS METHOD - IKJT441R
44	(2C)	ADDRESS	4	TSVTPUTL	ADDRESS OF PUTLINE ROUTINE
48	(30)	ADDRESS	4	TSVTPGT	ADDRESS OF PUTGET ROUTINE
52	(34)	ADDRESS	4	TSVTGETL	ADDRESS OF GETLINE ROUTINE
56	(38)	ADDRESS	4	TSVTSTCK	ADDRESS OF STACK ROUTINE
60	(3C)	ADDRESS	4	TSVTTSL	ADDRESS OF TMP LAR
64	(40)	ADDRESS	4	TSVTSCAN	ADDRESS OF SCAN ROUTINE
68	(44)	ADDRESS	4	TSVTPARS	ADDRESS OF PARSE ROUTINE
72	(48)	ADDRESS	4	TSVTEF02	ADDRESS OF MESSAGE WRITER ROUTINE
76	(4C)	ADDRESS	4	TSVTPVT	Address of TPVT
80	(50)	ADDRESS	4	TSVTRCVY	Address of Recovery Routine IKJCMDRC
84	(54)	ADDRESS	4	TSVTTRAN	IKJTRANS

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
88	(58)	CHARACTER	8	TSVTBCMT	Member Token for Broadcast Notice XCF Group
Comment					
TSO/E R3 SUPPORT					
End of Comment					
96	(60)	ADDRESS	4	TSVTCAF	CLIST ATTENTION FACILITY ADDR REL 3
100	(64)	CHARACTER	4	TSVTTSOL (0)	TSO/E LEVEL INDICATOR
100	(64)	CHARACTER	1	TSVTLVER	- VERSION LEVEL
101	(65)	CHARACTER	2	TSVTLREL	- RELEASE NUMBER
103	(67)	CHARACTER	1	TSVTLMOD	- MODIFICATION LEVEL
Comment					
TSO/E R4 SUPPORT					
End of Comment					
104	(68)	ADDRESS	4	TSVTCTDB	ADDRESS OF DOUBLE BYTE CHAR ROUTINE
108	(6C)	ADDRESS	4	TSVTRIF	BROADCAST DATA SET INTERFACE ROUTINE ADDRESS FOR RELEASE 4
112	(70)	ADDRESS	4	TSVTRAF	LOGON RACF SUPPORT ROUTINE ADDRESS FOR RELEASE 4
116	(74)	ADDRESS	4	TSVTRTRP	TSO ROUTER ADDRESS
120	(78)	ADDRESS	4	TSVTTBLS	ADDRESS OF TABLE LOOK UP SERVICE
124	(7C)	ADDRESS	4	TSVTADTB	ADDRESS OF ALTLIB
128	(80)	ADDRESS	4	TSVTTBLR	ADDRESS OF TABLE LOOKUP SERVICE RTN
132	(84)	ADDRESS	4	TSVTESTK	Address of IRXESTK1
136	(88)	ADDRESS	4	TSVTTVAR	Address of IRXTVARS
140	(8C)	ADDRESS	4	TSVTINIT	Address of IRXINIT
144	(90)	ADDRESS	4	TSVTOLAR	Address of IRXIOLAR
148	(94)	ADDRESS	4	TSVTO00	Address of IRXSTO00
152	(98)	ADDRESS	4	TSVTT44X	Address of IKJCT44X
156	(9C)	ADDRESS	4	TSVTFTS2	Address of IKJEFTS2
160	(A0)	ADDRESS	4	TSVTEXE	Address of IRXEXEC
164	(A4)	ADDRESS	4	TSVTINO	Address of IRXINOUT
168	(A8)	ADDRESS	4	TSVTLOA	Address of IRXLOAD
172	(AC)	ADDRESS	4	TSVTTTR	Address of IRXTERM
176	(B0)	ADDRESS	4	TSVTSUBC	Address of IRXSUBCM
180	(B4)	ADDRESS	4	TSVTMSGI	Address of IRXMSGID
184	(B8)	ADDRESS	4	TSVTEXCO	Address of IRXEXCOM
188	(BC)	ADDRESS	4	TSVTTTRM	Address of IRXTERMA
192	(C0)	ADDRESS	4	TSVTETVP	Address of Exit & Vector Table
196	(C4)	ADDRESS	4	TSVTTSTFI	Address of IKJEFTSI
200	(C8)	ADDRESS	4	TSVTTSTFT	Address of IKJEFTST
204	(CC)	SIGNED	4	TSVTPCN1	PC number for IKJPCENV
208	(D0)	ADDRESS	4	TSVTSNTA	System copy of the SNTAB
212	(D4)	ADDRESS	4	TSVTSVTA	System copy of the SVTAB
216	(D8)	SIGNED	4	TSVTSYML	Length of system SNTAB and SVTAB
220	(DC)	SIGNED	4	TSVTXCFU	Lock for parmliib updating
224	(E0)	ADDRESS	4	TSVTMSTR	Address of Master ASCB
228	(E4)	SIGNED	4	TSVTBECB	ECB for IKJBCMSG
232	(E8)	ADDRESS	4	TSVTAPPC	Addr of APPC callable service table
236	(EC)	ADDRESS	4	TSVTURPS	Address of IKJURPS module
240	(F0)	SIGNED	4	TSVTPCN2	PC number for IKJCMDPC
244	(F4)	ADDRESS	4	TSVTMSR0	Address of IKJMSR0 module
248	(F8)	ADDRESS	4	TSVTMDT@	Address of module table
252	(FC)	SIGNED	4	TSVTSECB	ECB for broadcast switches
256	(100)	ADDRESS	4	TSVTSWAS	Address of ASCB for address space requesting the broadcast switch
260	(104)	ADDRESS	4	TSVTSWWA	Address of switch processing work area
264	(108)	ADDRESS	4	TSVTSWCB	Address of switch control block

TSVT Map

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
Comment					
TSO/E Free Space					
End of Comment					
268	(10C)	SIGNED	4	(7)	Reserved
296	(128)	DBL WORD	8	TSVTEND (0)	ASSURE TSVT ENDS ON DOUBLE WORD BOUNDARY
296	(128)	X'8'	0	TSVTCLEV	"8" CURRENT LEVEL OF THE TSVT
Comment					
<p>THE FOLLOWING DECLARATIONS DEFINE THE ENTRY AND RETURN CODES USED BY THE CLIST VARIABLE ACCESS ROUTINE (POINTED TO BY TSVSVACC).</p> <p>ENTRY CODES</p>					
End of Comment					
296	(128)	X'1'	0	TSVERETR	"1" RETURN VARIABLE VALUE
296	(128)	X'2'	0	TSVEUPDT	"2" UPDATE VARIABLE
296	(128)	X'3'	0	TSVELOC	"3" LOCATE / LOCATE NEXT
296	(128)	X'4'	0	TSVERSVD	"4" RESERVED
296	(128)	X'12'	0	TSVNOIMP	"18" NO IMPLICIT
Comment					
RETURN CODES					
End of Comment					
296	(128)	X'0'	0	TSVR0K	"0" EVERYTHING OK
296	(128)	X'4'	0	TSVRNORS	"4" VARIABLE RETURNED SHOULDN'T BE RE-SCANNED
296	(128)	X'8'	0	TSVREVAL	"8" VARIABLE RETURNED REQUIRES EVALUATION
296	(128)	X'C'	0	TSVRLAB	"12" VARIABLE RETURNED IS A LABEL
296	(128)	X'10'	0	TSVRNAUP	"16" SYSTEM VARIABLE - CAN'T BE UPDATED BY THE USER
296	(128)	X'14'	0	TSVRNOM	"20" FOR LOCATE - NO VARIABLE RETURNED - THERE ARE NO MORE VARIABLES
296	(128)	X'18'	0	TSVRPROC	"24" VARIABLE RETURNED IS A PROCEDURE NAME
296	(128)	X'1E'	0	TSVRSVD2	"30" RESERVED
296	(128)	X'20'	0	TSVRGETF	"32" GETMAIN/FREEMAIN FAILURE
296	(128)	X'24'	0	TSVRNSIZ	"36" SYMBOL NAME TOO LARGE OR SMALL
296	(128)	X'28'	0	TSVRENV	"40" INCORRECT ENVIRONMENT
296	(128)	X'2C'	0	TSVRPARG	"44" INVALID ENTRY CODE
296	(128)	X'30'	0	TSVRDUP	"48" DUPLICATE SYMBOL FOUND
296	(128)	X'34'	0	TSVRUNDF	"52" UNDEFINED VARIABLE
296	(128)	X'38'	0	TSVRGLER	"56" TOO MANY GLOBAL VARIABLES
296	(128)	X'3C'	0	TSVRUNDG	"60" UNDEFINED GLOBAL VARIABLE
296	(128)	X'40'	0	TSVRINVR	"64" VARIABLE NOT VALID AS A CALL BY REFERENCE VARIABLE
296	(128)	X'44'	0	TSVRUNDR	"68" UNDEFINED CALL BY REFERENCE VARIABLE
296	(128)	X'50'	0	TSVIREXX	"80" VARIABLE NAME IS NOT VALID FOR REXX
296	(128)	X'51'	0	TSVREXXE	"81" AN UNEXPECTED RETURN CODE WAS RECEIVED FROM A REXX ROUTINE
Comment					
FLAG INDICATORS FOR TSVTFLG1					
End of Comment					
		1... ..		TSVTNCTU	"X'80" Instorage copy of system notices needs to be updated

Offsets		Type/Value	Len	Name (Dim)	Description
Dec	Hex				
		.1..		TSVTNETL	"X'40" None of the TSO/E Exits were found in LPA/ELPA
		..1.		TSVTUPDP	"X'20" IKJBCMSG posted for parmib update signalling
		...1		TSVTSWCH	"X'10" IKJBCMSG posted to switch the broadcast data set
		.... 1..		TSVTPHRS	"X'08" Password phrase support active
		.... .1..		TSVTAPPL	"X'04" Logon APPLID verification active
		.... ..1.		TSVTLGNH	"X'02" LOGONHERE support is active

TSVT Cross Reference

Name	Hex Offset	Hex Value	Name	Hex Offset	Hex Value
TSVELOC	128	3	TSVTLMOD	67	
TSVERETR	128	1	TSVTLOA	A8	
TSVERSDV	128	4	TSVTLREL	65	
TSVEUPDT	128	2	TSVTLTBL	14	
TSVIREXX	128	50	TSVTLVER	64	
TSVNOIMP	128	12	TSVTMDT@	F8	
TSVRDUP	128	30	TSVTMSGI	B4	
TSVRENV	128	28	TSVTMSR0	F4	
TSVREVAL	128	8	TSVTMSTR	E0	
TSVREXXE	128	51	TSVTNCT	8	
TSVRGETF	128	20	TSVTNCTU	128	80
TSVRGLER	128	38	TSVTNETL	128	40
TSVRINVR	128	40	TSVTOLAR	90	
TSVRLAB	128	C	TSVTPARS	44	
TSVRNAUP	128	10	TSVTPCN1	CC	
TSVRNOM	128	14	TSVTPCN2	F0	
TSVRNORS	128	4	TSVTPHRS	128	8
TSVRNSIZ	128	24	TSVTPTGT	30	
TSVR0K	128	0	TSVTPUTL	2C	
TSVRPARM	128	2C	TSVTRAF	70	
TSVRPROC	128	18	TSVTRCVY	50	
TSVRSVD2	128	1E	TSVTRIF	6C	
TSVRUNDF	128	34	TSVTRSV1	6	
TSVRUNDG	128	3C	TSVTRTRP	74	
TSVRUNDR	128	44	TSVTSCAN	40	
TSVT	0		TSVTSECB	FC	
TSVTADTB	7C		TSVTSNTA	D0	
TSVTAPPC	E8		TSVTSTCK	38	
TSVTAPPL	128	4	TSVTSUBC	B0	
TSVTASF	10		TSVTSVTA	D4	
TSVTBCMT	58		TSVTSWAS	100	
TSVTBECB	E4		TSVTSWCB	108	
TSVTCAF	60		TSVTSWCH	128	10
TSVTCLEV	128	8	TSVTSWWA	104	
TSVTCTAB	20		TSVTSYML	D8	
TSVTCTDB	68		TSVTTBLR	80	
TSVTCTIO	1C		TSVTTBLS	78	
TSVTEF02	48		TSVTTTER	AC	
TSVTEND	128		TSVTTTERM	BC	
TSVTESTK	84		TSVTT000	94	
TSVTETVP	C0		TSVTTTPVT	4C	
TSVTEXCO	B8		TSVTTTRAN	54	
TSVTEXE	A0		TSVTTTSFI	C4	
TSVTFLA1	18		TSVTTTSFT	C8	
TSVTFLG1	5		TSVTTSL	3C	
TSVTFTS2	9C		TSVTTTSOL	64	
TSVTGETL	34		TSVTTSVT	0	
TSVTINIT	8C		TSVTTVAR	88	
TSVTINOI	A4		TSVTT44X	98	
TSVTLEV	4		TSVTT440	24	
TSVTLGNH	128	2	TSVTT441	28	

TSVT Cross Reference

Name	Hex Offset	Hex Value
TSVTUPDP	128	20
TSVTURPS	EC	
TSVTVACC	C	
TSVTXCFU	DC	

UPT Information

UPT Programming Interface information

Programming Interface information

UPT

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

- UPTLNGFL

End of Programming Interface information

UPT Heading Information • UPT Map

UPT Heading Information

Common Name: TSO/E User Profile Table
Macro ID: IKJUPT
DSECT Name: UPT
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 56 bytes
Created by: IKJEFLA
Pointed to by: CPPLUPT field of the CPPL,
 PSCBUPT field of the PSCB
Serialization: None
Function: Contains information stored in UADS, used by
 LOGON/LOGOFF, TMP, and command processors.

UPT Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	UPT	
0	(0)	SIGNED	4	(0)	
0	(0)	SIGNED	2	UPTLEN	LENGTH OF THE UPT
2	(2)	CHARACTER	10	UPTUSER	RESERVED FOR INSTALLATION USE
12	(C)	BITSTRING	1	UPTSWS	USERS ENVIRONMENT SWITCHES
		1...		UPTRCVR	"X'80" EDIT RECOVER OPTION IS REQUESTED
					DEFLT
		.1..		UPTNPRM	"X'40" NO PROMPTING IS TO BE DONE
		..1.		UPTMID	"X'20" PRINT MESSAGE IDENTIFIERS
		...1		UPTNCOM	"X'10" NO USER COMMUNICATION ALLOWED VIA
					SEND COMMAND
		.... 1...		UPTPAUS	"X'08" PAUSE FOR '?' WHEN IN
					NON-INTERACTIVE MODE
		.... .1..		UPTALD	"X'04" ATTN HAS BEEN SPECIFIED AS LINE
					DELETE CHAR
		.... ..1.		UPTMODE	"X'02" MODE MESSAGES DESIRED Y01676
		.... ...1		UPTWTP	"X'01" WRITE TO PROGRAMMER MESSAGES
					DESIRED Y02669
13	(D)	CHARACTER	1	UPTCDEL	CHAR DELETE CHARACTER
14	(E)	CHARACTER	1	UPTLDEL	LINE DELETE CHARACTER
15	(F)	BITSTRING	1	UPTVERS	VERSION OF THE UPT
		.... ...1		UPTVERS1	"X'01" VERSION 1 OF THE UPT
16	(10)	CHARACTER	7	UPTPREFIX	DSNAME PREFIX Y02669
23	(17)	BITSTRING	1	UPTPREFL	LENGTH OF DSNAME PREFIX Y02669
24	(18)	CHARACTER	3	UPTPLANG	PRIMARY LANGUAGE FOR MESSAGE
					TRANSLATION
27	(1B)	CHARACTER	3	UPTSLANG	SECONDARY LANGUAGE FOR MESSAGE
					TRANSLATION
30	(1E)	CHARACTER	2	UPTLNGFL	LANGUAGE FLAGS
30	(1E)	BITSTRING	0	UPTUPLNG	"X'8000" PRIMARY LANGUAGE UPDATED BY THE
					USER
30	(1E)	BITSTRING	0	UPTUSLNG	"X'4000" SECONDARY LANGUAGE UPDATED BY
					THE USER
30	(1E)	BITSTRING	0	UPTPLNGS	"X'2000" THE USER'S LANGUAGE SEGMENT
					CONTAINS A PRIMARY LANGUAGE
30	(1E)	BITSTRING	0	UPTSLNGS	"X'1000" THE USER'S LANGUAGE SEGMENT
					CONTAINS A SECONDARY LANGUAGE
32	(20)	CHARACTER	1	UPTSWS2	ADDITIONAL USER ENVIRONMENT SWITCHES
		1...		UPTVARST	"X'80" VARSTORAGE OPERAND SETTING: 0=USE
					LOW STORAGE FOR VARIABLES, 1=USE HIGH
					STORAGE FOR VARIABLES
33	(21)	CHARACTER	23		RESERVED

UPT Cross Reference

Name	Hex Offset	Hex Value
UPT	0	
UPTALD	C	4
UPTCDEL	D	
UPTLDEL	E	
UPTLEN	0	
UPTLNGFL	1E	
UPTMID	C	20
UPTMODE	C	2
UPTNCOM	C	10
UPTNPRM	C	40
UPTPAUS	C	8
UPTPLANG	18	
UPTPLNGS	1E	2000
UPTPREFL	17	
UPTPREFIX	10	
UPTRCVR	C	80
UPTSLANG	1B	
UPTSLNGS	1E	1000
UPTSWS	C	
UPTSWS2	20	
UPTUPLNG	1E	8000
UPTUSER	2	
UPTUSLNG	1E	4000
UPTVARST	20	80
UPTVERS	F	
UPTVERS1	F	1
UPTWTP	C	1

USDIR Information

USDIR Heading Information

Common Name: TSO/E Broadcast Mail Directory Record
Macro ID: IKJZT304
DSECT Name: USDIR
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 129 bytes
Created by: TSO/E commands accessing the Broadcast Data Set
Pointed to by: USDPTR
Serialization: None
Function: Provides a mapping of the fields in the Mail Directory Records of the Broadcast Data Set.

USDIR Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	USDIR	, - USER MAIL DIRECTORY RECORD
0	(0)	CHARACTER	13	USDENTRY (0)	- DIRECTORY ENTRY FOR 1 USERID
0	(0)	CHARACTER	7	USDID	- USERID (LEFT JUSTIFIED, PADDED W/ BLANKS)
7	(7)	ADDRESS	3	USDRBA	- RELATIVE BLOCK ADDRESS (RBA) OF FIRST MESSAGE FOR THIS USERID (ZERO IF NONE)
10	(A)	ADDRESS	3	USDEND	- RBA OF LAST MESSAGE FOR THIS USERID (ZERO IF NONE)
13	(D)	CHARACTER	13	(8)	- RESERVE SPACE FOR 8 MORE DIRECTORY ENTRIES IDENTICAL IN FORMAT TO THE PRECEDING 'USDENTRY'
117	(75)	BITSTRING	8		- RESERVED
125	(7D)	CHARACTER	1	USDREND	- END-OF-RECORD INDICATOR = X'7F'
126	(7E)	ADDRESS	3	USDNEXT	- CHAIN PTR TO NEXT USER MAIL DIRECTORY RECORD (ZERO IF LAST)

USMSG Information

USMSG Heading Information

Common Name: TSO/E Broadcast Mail Message Record
Macro ID: IKJZT305
DSECT Name: USMSG
Owning Component: TSO/E Scheduler (28502)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
 Key: 8
Size: 129 bytes
Created by: TSO/E commands accessing the Broadcast Data Set
Pointed to by: USMPTR
Serialization: None
Function: Provides a mapping of the fields in the Mail Message Records of the Broadcast Data Set.

USMSG Map

Offsets					
Dec	Hex	Type/Value	Len	Name (Dim)	Description
0	(0)	STRUCTURE	0	USMSG	, - USER MAIL MESSAGE RECORD
0	(0)	SIGNED	1	USMLNG	- LENGTH OF MAIL MSG TEXT
1	(1)	CHARACTER	125	USMTEXT	- MESSAGE TEXT (PADDED WITH BLANKS)
126	(7E)	ADDRESS	3	USMNEXT	- CHAIN PTR TO NEXT MAIL MESSAGE RECORD FOR THIS USERID (ZERO IF LAST)

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