z/OS
2.5

TSO/E System Diagnosis: Data Areas

GA32-0983-50

Note

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This edition applies to Version 2 Release 5 of z/OS® (5650-ZOS) and to all subsequent releases and modifications until otherwise indicated in new editions.

Last updated: 2021-09-30

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Chapter 1. TSO/E data areas

This topic describes the data areas for TSO/E.

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 mapping

Table 1. Structure SUBTOKPS

Offset Dec	Offset Hex	Type	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(3)	START OF SUBTOKENS
4	(4)	ADDRESS	4	SUBTOKPT	SUBTOKEN ADDRESS
8	(8)	SIGNED	2	SUBTOKLN	SUBTOKEN LENGTH
10	(A)	SIGNED	2	*	RESERVED

ADFDDB information

ADFDDB heading information

Common name: Session Manager Display Description Buffer

Macro ID: ADFDDB

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:	ADFDDB 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.

ADFDDB mapping

Table 2. Structure DDBBLOCK

Offset Dec	Offset Hex	Type	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 CCWLIST
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(2)	ROW/COL FOR PERMANENT CURSOR
46	(2E)	UNSIGNED	1	DDBTMPCR(2)	ROW/COL FOR TEMPORARY CURSOR
48	(30)	UNSIGNED	4	*	
48	(30)	UNSIGNED	1	DDBFIXCR(2)	ROW/COLUMN TO PLACE CURSOR
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
		.... .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

Table 2. Structure DDBBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...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(100)	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

Table 3. Constants for ADFDDB

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

Table 4. Cross Reference for ADFDDB

Name	Offset	Hex Tag
DDB#COLA	37	
DDB#ROWA	32	
DDBADFF	18	
DDBALRM	34	40
DDBAPCUR	35	02
DDBAPPND	35	04

Table 4. Cross Reference for ADFDDB (continued)

Name	Offset	Hex Tag
DDBATIME	64	
DDBBLOC	0	
DDBBLOCK	0	
DDBCCW	4	
DDBCLRD	34	10
DDBCNTIM	48	
DDBCTIME	4C	
DDBCURBS	2A	
DDBCURSR	2C	
DDBCURWR	35	01
DDBDEFUP	35	40
DDBDFLD	38	
DDBENTER	34	04
DDBESCAP	35	20
DDBFBD	C	
DDBFIXCR	30	
DDBFLAGS	34	
DDBIDEN	0	
DDBINBUF	10	
DDBINPUT	34	01
DDBINSZ	14	
DDBITIME	44	
DDBLSD	8	
DDBMODE	35	08
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	

Table 4. Cross Reference for ADFDDB (continued)

Name	Offset	Hex Tag
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 mapping

Table 5. Structure ENVBLOCK

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

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 mapping

Table 6. Structure FBDBLOCK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	FBDBLOCK	FUNCTION BLOCK DIRECTORY
0	(0)	CHARACTER	8	FBDBLOC	FOR LEN OF FDBBLOCK
0	(0)	CHARACTER	4	FBDIDEN	"FBD " IN EBCDIC
4	(4)	SIGNED	4	FBDNFUN	NUMBER OF ENTRIES
8	(8)	CHARACTER	8	FBDENTRY(*)	ONE ENTRY FOR EACH FUNCTION
8	(8)	CHARACTER	8	FBDENTR	FOR LEN OF FDBENTRY
8	(8)	CHARACTER	4	FBDFBNAM	NAME OF FUNCTION
12	(C)	ADDRESS	4	FBDFBPTR	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 mapping

Table 7. Structure FUNBLOCK

Offset Dec	Offset Hex	Type	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

Table 7. Structure FUNBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 8. Cross Reference for ADFFUN

Name	Offset	Hex Tag
CPYFLINT	18	
FUNBLOCK	0	
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	
FUNSDBOU	C	
OUTFLINT	10	

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 mapping

Table 9. Structure LSDBLOCK

Offset Dec	Offset Hex	Type	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 - SUCESSFUL 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 mapping

Table 10. Structure ADFMTGT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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"
4	(4)	BIT(32)	4	TGTFLAG	CONTROL INFORMATION
		1...		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".
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.

Table 11. Structure TGTRETN

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

Table 12. Constants for ADFMTGT

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

Table 13. Cross Reference for ADFMTGT

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

Table 13. Cross Reference for ADFMTGT (continued)

Name	Offset	Hex Tag
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 mapping

Table 14. Structure ADFMTPT

Offset Dec	Offset Hex	Type	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)	2	TPTFLAG	CONTROL INFORMATION
		1...		TPTCNTL	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

Table 15. Constants for ADFMTPT

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, PFKP, PFKAMP, 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 mapping

Table 16. Structure PFKBLOCK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 17. Structure PFK$P

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 18. Structure PFK$AMP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 19. Structure PFKATBLK

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

Table 20. Constants for ADFPFK

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

Table 21. Cross Reference for ADFPFK

Name	Offset	Hex Tag
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	

Table 21. Cross Reference for ADFPFK (continued)

Name	Offset	Hex Tag
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 mapping

Table 22. Structure RDFBLOCK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	428	RDFBLOCK	TSO 3270 SESSION MANAGER VECTOR AND CONTROL TABLE
		SAVE AREA WHICH IS USED BY ADFMDF21(IKTTMPX1) WHEN CALLING ADFMDF22. THIS SAVE AREA IS SERIALIZED VIA THE LOCAL LOCK.			
0	(0)	CHARACTER	4	RDFIDEN	"RDF" IN EBCDIC
4	(4)	ADDRESS	4	RDFSAVE(18)	SAVE AREA
		ADDRESS LIST OF INTERNAL SESSION MANAGER ROUTINES			
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	RDFFIND	SDB LOCATER ROUTINE

Table 22. Structure RDFBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
DYNAMIC VALUES USED BY ADFMDF0A, ADFMDF02, AND ADFMDF22					
144	(90)	BIT(24)	3	RDFFLGS	FLAGS
		1...		RDFSLEEP	ADFMDF0A IS IN A WAIT
		.1..		RDFFSCR	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 TERMWAIT
		.... .1..		RDFTGET	OUTSTANDING TGET REQUEST
		.... ..1.		RDFEXIT	SESSION MANAGER IS TO QUIT
		1		RDFFSREF	RETURNING TO FULL SCREEN
145	(91)	1...		RDFTPUT	WINBLOCK(S) UPDATED BUT SCREEN NOT YET UPDATED
		.1..		RDFTSOIN	LINE TO THE TMP
		..1.		RDFMODAL	MODE INDICATOR
		...1		RDFFSCRA	SM IS TO INTERCEPT NO I/O
		.... 1...		RDFFSCRK	SM IS TO LEAVE TSBKEYS='1'B WHEN GOING INTO FS MODE
		.... .1..		RDFATTN	ATTN HAS BEEN ENTERED
		.... ..1.		RDFINSPF	INTERCEPT SPF GENERATED LINE TPUTS WITHOUT TAKING CONTROL OF SCREEN
		1		RDFFSCRN	1=STEP ASIDE FOR NOEDIT
146	(92)	1...		RDFBYPSS	1=IN PRINT BYPASS MODE
		.1..		RDFRESET	ADFMDF0A SHOULD RESET DDBCLRD
		..11 1111		*	RESERVED BITS
147	(93)	UNSIGNED	1	RDFPOOL	SUBPOOL FOR STORAGE
148	(94)	ADDRESS	4	RDFTCB	ADFMDF0A TCB ADDRESS
152	(98)	ADDRESS	4	RDFTGPUT	ADDRESS OF TGET/TPUT INTERCEPT ROUTINE (ADFMDF22)
156	(9C)	ADDRESS	4	RDFDDB	ADDRESS OF CURRENT DDB
160	(A0)	ADDRESS	4	RDFLSD	ADDRESS OF STREAM DIRECTORY
164	(A4)	ADDRESS	4	RDFFBD	ADDRESS OF FUNC BLOCK DIRECT.
168	(A8)	ADDRESS	4	RDFADFF	ADDRESS OF SESSION MANAGER FUNCTION BLOCK
172	(AC)	ADDRESS	4	RDFMSGF	ADDRESS OF MESSAGE FUNC BLOCK
176	(B0)	ADDRESS	4	RDFTSOF	ADDRESS OF TSO FUNCTION BLOCK
180	(B4)	ADDRESS	4	RDFTSOWQ	ADDRESS OF TSO WAIT QUEUE
184	(B8)	UNSIGNED	4	RDFILLN	LINENO OF TPUT ASIS
188	(BC)	UNSIGNED	2	RDFILCNT	LENGTH OF RDFILLN LINE
190	(BE)	SIGNED	2	RDFINTIO	# I/O REQUESTS CURRENTLY BEING PROCESSED
192	(C0)	ADDRESS	4	RDFENV3	ADDRESS OF ENVBLOCK NUMBER 3

Table 22. Structure RDFBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
196	(C4)	ADDRESS	4	RDFENV1	ADDRESS OF ENVBLOCK NUMBER 1
200	(C8)	ADDRESS	4	RDFENV2	ADDRESS OF ENVBLOCK NUMBER 2
204	(CC)	UNSIGNED	4	RDFPECB	ECB POSTED BY TPUT INTERCEPT
208	(D0)	UNSIGNED	4	RDFTTIME	TIME OF LAST TGET/TPUT
212	(D4)	SIGNED	4	RDFICNT	COUNT OF PARTIAL INPUT
216	(D8)	ADDRESS	4	RDFENV2P	ADDRESS OF ENVBLOCK POINTER
220	(DC)	UNSIGNED	4	RDFTECB	ECB POSTED BY STIMER
224	(E0)	SIGNED	2	RDFWQCNT	# TASKS ON TSO WAIT QUEUE
226	(E2)	SIGNED	2	RDFINTTO	# TERMINAL OPTION REQUESTS BEING PROCESSED
228	(E4)	ADDRESS	4	RDFMSAVE(18)	SAVE AREA USED BY ADFMSEND FOR PROCESSING CROSS MEMORY MSGS
300	(12C)	ADDRESS	4	RDFXLTS	ADDRESS OF DEFAULT ENVIRONMENT MODULE
304	(130)	CHARACTER	8	RDFUSER	USERID PASSED TO INSTALLATION EXIT
312	(138)	CHARACTER	1	RDFISTRM	STREAM MAP PASSED TO INSTALLATION EXIT
		1...		RDFITSO	LINE TO THE TMP
		.1..		RDFITOUT	TSO OUTPUT STREAM
		..1.		RDFISIN	SM INPUT STREAM
		...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	ADFGLUE1 ADDRESS
344	(158)	ADDRESS	4	RDFGLUE2	ADFGLUE2 ADDRESS
348	(15C)	ADDRESS	4	RDFGLUE3	ADFGLUE3 ADDRESS
352	(160)	ADDRESS	4	RDFBSTOR	PTR TO STORAGE BELOW THE LINE FOR ADFGLUE1,2,3
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	

Table 23. Cross Reference for ADFRDF

Name	Offset	Hex Tag
RDFADFF	A8	

Table 23. Cross Reference for ADFRDF (continued)

Name	Offset	Hex Tag
RDFATTN	91	04
RDFBLOCK	0	
RDFBSTOR	160	
RDFBYPSS	92	80
RDFDDB	9C	
RDFDFLTS	7C	
RDFDOIO	68	
RDFEND	1AC	
RDFENV1	C4	
RDFENV2	C8	
RDFENV2P	D8	
RDFENV3	C0	
RDFEXIT	90	02
RDFEXIT1	140	
RDFEXIT2	144	
RDFEXIT3	148	
RDFFBD	A4	
RDFFIND	78	
RDFFLGS	90	
RDFFMN	5C	
RDFFSCR	90	40
RDFFSCRA	91	10
RDFFSCRK	91	08
RDFFSCRN	91	01
RDFFSREF	90	01
RDFGLUE1	154	
RDFGLUE2	158	
RDFGLUE3	15C	
RDFGMN	58	
RDFICNT	D4	
RDFIDATA	13C	
RDFIDEN	0	
RDFILCNT	BC	
RDFILLN	B8	
RDFIMSG	138	08
RDFINSPF	91	02
RDFINTIO	BE	
RDFINTTO	E2	
RDFISIN	138	20
RDFISOUT	138	10
RDFISTRM	138	
RDFITOUT	138	40
RDFITSO	138	80
RDFLOCKF	90	10
RDFLOGMS	138	04
RDFLSD	A0	

Table 23. Cross Reference for ADFRDF (continued)

Name	Offset	Hex Tag
RDFMAKST	4C	
RDFMDEL	8C	
RDFMKDDB	60	
RDFMKFUN	80	
RDFMODAL	91	20
RDFMSAVE	E4	
RDFMSGF	AC	
RDFMTGET	84	
RDFMTPUT	88	
RDFOPT6	138	02
RDFPECB	CC	
RDFPOOL	93	
RDFRDM	70	
RDFREDO	6C	
RDFREPFP	150	
RDFRESET	92	40
RDFRGSVE	164	
RDFRGSVF	168	
RDFRGSV0	16C	
RDFRGSV1	170	
RDFRSVD	174	
RDFSAVE	4	
RDFSCRNC	64	
RDFSLEEP	90	80
RDFTCB	94	
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 mapping

Table 24. Structure ADFSCNTL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

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 mapping

Table 25. Structure SDBBLOCK

Offset Dec	Offset Hex	Type	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
LOGICAL LINE NUMBER POINTERS					
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
GET AND PUT ROUTINE ADDRESSES					
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(3)	RESERVED
64	(40)	CHARACTER	0	SDBAREA	AREA FOR SYSTEM DEPENDENT INFO

Table 26. Cross Reference for ADFSDB

Name	Offset	Hex Tag
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	

Table 26. Cross Reference for ADFSDB (continued)

Name	Offset	Hex Tag
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 mapping

Table 27. Structure SDMBLOCK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	80	SDMBLOCK	AREA FOR IN-CORE STREAM
0	(0)	UNSIGNED	4	SDMLLNC	NUMBER OF LINES IN THE STREAM
IDB POINTERS					
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
STREAM ADDRESS POINTERS IN RBA FORMAT					
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
FLAGS					
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

Table 27. Structure SDMBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
46	(2E)	SIGNED	2	*	RESERVED
48	(30)	CHARACTER	32	*	RESERVED
80	(50)	CHARACTER	0	SDMEND	

Table 28. Cross Reference for ADFSDM

Name	Offset	Hex Tag
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 mapping

Table 29. Structure STCKBLOK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	STCKBLOK	PROGRAM STACK BLOCK

Table 29. Structure STCKBLOK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

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 mapping

Table 30. Structure STPBLOCK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	STPBLOCK	STACKED PFK BLOCKS
0	(0)	ADDRESS	4	STPFPTR	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(24)	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 mapping

Table 31. Structure STSBLOCK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	STSBLOCK	STACKED SCREEN ENTRY
0	(0)	ADDRESS	4	STSFPTR	POINTER TO NEXT OLDEST STSBLOCK
4	(4)	ADDRESS	4	STSBPTR	POINTER TO NEXT YOUNGEST STSBLOCK
8	(8)	ADDRESS	4	STSSTCKW	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	STSFIXCR(2)	ROW AND COLUMN FOR CURSOR
28	(1C)	BIT(8)	1	STSFLAGS	FLAGS
		1...		STSNOTFY	SAVE DDBNOTFY
		.111 1111		*	RESERVED
29	(1D)	UNSIGNED	1	STSWINCT	WINDOW NUMBER FOR TEMPORARY CURSOR
30	(1E)	UNSIGNED	1	STSTMPCR(2)	ROW AND COLUMN FOR TEMPORARY CURSOR
32	(20)	CHARACTER	14	STSVARBL(*)	VARIBLE SECTION
32	(20)	CHARACTER	8	STSWNNM	WINDOW NAME
40	(28)	UNSIGNED	1	STSSROW	START ROW OF WINDOW
41	(29)	UNSIGNED	1	STSSCOL	START COLUMN OF WINDOW
42	(2A)	SIGNED	2	STSLINES	NUMBER OF LINES IN WINDOW
44	(2C)	SIGNED	2	STSWDTH	DATA WIDTH OF WINDOW TSOE R2-PLS3 ARRAY ER

Table 32. Cross Reference for ADFSTS

Name	Offset	Hex Tag
STSBLOCK	0	
STSBPTR	4	
STSCNTL	14	
STSDFLD	C	
STSFIXCR	1A	
STSFLAGS	1C	
STSFPTR	0	
STSLINES	2A	
STSNOTFY	1C	80
STSSCOL	29	
STSSROW	28	
STSSTCKW	8	
STSTMPCR	1E	
STSVARBL	20	

Table 32. Cross Reference for ADFSTS (continued)

Name	Offset	Hex Tag
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 mapping

Table 33. Structure STWBLOCK

Offset Dec	Offset Hex	Type	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

Table 33. Structure STWBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
32	(20)	UNSIGNED	4	STWCURN	SAVE WINCURN
36	(24)	UNSIGNED	4	STWPOSN	SAVE WINFRMN
40	(28)	UNSIGNED	4	STWITIME	SAVE WINITIME

Table 34. Cross Reference for ADFSTW

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

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 mapping

Table 35. Structure WINBLOCK

Offset Dec	Offset Hex	Type	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	WINWDTH	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	WINLFLGS	FLAGS FOR THIS LINE
		1...		WINLCHG	THIS LINE HAS CHANGED
		.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

Table 35. Structure WINBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
68	(44)	ADDRESS	4	WININADD	POINTER TO INPUT DATA
72	(48)	ADDRESS	4	WINADAT	POINTER TO DATA

Table 36. Cross Reference for ADFWIN

Name	Offset	Hex Tag
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
WINITIME	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	

Table 36. Cross Reference for ADFWIN (continued)

Name	Offset	Hex Tag
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 mapping

Table 37. Structure BCDIR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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)

Table 38. Cross Reference for BCDIR

Name	Offset	Hex Tag
BCDENTRY	0	
BCDIR	0	
BCDMFLG	0	
BCDMRBA	2	
BCDMSGNO	0	
BCDNENT	0	19

Table 38. Cross Reference for BCDIR (continued)

Name	Offset	Hex Tag
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 mapping

Table 39. Structure BCMSG

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	BCMSG	, - BRODCAST NOTICES MESSAGE RECORD
0	(0)	SIGNED	1	BCMLNG	- LENGTH OF BRODCAST 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 mapping

Table 40. Structure BRKELEM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	40	BRKELEM	
		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			
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.
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.

Table 41. Structure BRK

Offset Dec	Offset Hex	Type	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

Table 42. Cross Reference for BRKELEM

Name	Offset	Hex Tag
BALSW	10	80
BRK	0	

Table 42. Cross Reference for BRKELEM (continued)

Name	Offset	Hex Tag
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

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

- CAPTECTC
- CAPTIBFR
- CAPTTMP
- CAPTUPT

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 mapping

Table 43. Structure IKJEBECA

Offset Dec	Offset Hex	Type	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	CAPTCDCB	ADDRESS OF CURRENT UTILITY DCB
56	(38)	ADDRESS	4	CAPTPDCB	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
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
		THIS SECTION CONSISTS OF THE CONTROL FLAGS AND A BREAK DOWN OF THE BIT SWITCHES			
120	(78)	SIGNED	4	CAATTN	ATTENTION ECB
		1...		*	WAIT BIT
		.1..		CAATTNIS	COMPLETE BIT
124	(7C)	CHARACTER	28	CACFLAG	CONTROL FLAGS

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 COLUNM 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..		CAIMSFPT	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

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		CAEDLNDP	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
		...1 1111		*	BITS 4-7 RESERVED
129	(81)	CHARACTER	1	CACFLAG6	CONTROL FLAG 6
		1...		CAFREE	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

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

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	CASYNAME	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

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .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
		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
OTHER DATA SET RELATED INFORMATION					
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-N0
		...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

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.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 ALOCATED IT
		.... .1..		CAUTL2AL	EDITUTL2 ALLOCATION INDICATOR 0-EDIT ALLOCATED IT 1-USER ALOCATED 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
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

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
456	(1C8)	SIGNED	4	CACURNUM	CURRENT LINE NUMBER,'*'
460	(1CC)	SIGNED	4	CAINCRE	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 ADDITONAL 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
		SYNTAX CHECKER INTERFACE AND PARAMETER LIST			
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
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	CASYNSW	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..		CASYNSF	0 - STANDARD/ 1 - FREE FORM
		.... ..1.		CASYNML	0 - LMSG/ 1 - SMSG
		1		CASYNSCN	0 - 'SCAN'/ 1 - 'NOSCAN'
		PARAMETER LIST FOR TMP SERVICE ROUTINES, WORK AREAS, SAVE AREAS, AND BUFFER POOLS			

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
528	(210)	CHARACTER	28	CATMPLST	TMP SERVICE ROUTINE PARAMETER LIST
528	(210)	ADDRESS	4	CAPTUPT	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	CAATNWKA	ATTENTION EXIT A42953 WORKAREA A42953
1064	(428)	CHARACTER	32	CALDROP	LINE DROP SAVE BUFFER Y02676
1096	(448)	CHARACTER	92	CAAEDCB	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
		.1..		CAAECNCL	ISSUE MESSAGE 'EDIT SESSION CANCELLED' INDICATOR 0-NO 1-YES

Table 43. Structure IKJEBECA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..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 DELETE
		 1111		*	RESERVED
2107	(83B)	CHARACTER	1	*	RESERVED
2108	(83C)	SIGNED	2	CACKPINT	CHECK POINT INTERVAL VALUE IF 0- NO INTERVAL CHECKPOINT- ING IS TO BE DONE
2110	(83E)	SIGNED	2	CACKPACT	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	CACLCPRM	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

Table 44. Structure IKJEBECX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 45. Constants for CA

Len	Type	Value	Name	Description
	THIS SECTION DEFINES THE UNIQUE DATA SET CODES LOCATED IN THE FIELD - CADSCODE			
4	DECIMAL	592	CASCWKAL	LEN OF CASCWKA
4	DECIMAL	200	CASRWKAL	LEN OF CASRWKA
1	HEX	01	CAPL1F	PL1F DATA SET
1	HEX	02	CAFORTE	FORTRAN E DSN

Table 45. Constants for CA (continued)

Len	Type	Value	Name	Description
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
1	HEX	17	CAFORTGI	FORTRAN GI
1	HEX	1E	CAVBASIC	VSBASIC
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
		THIS SECTION DEFINES THE UNIQUE RECORD FORMAT DEFAULT CODES LOCATED IN THE FIELD - CARECFMD		
1	HEX	80	CARECFMF	FIXED
1	HEX	40	CARECFMV	VARIABLE
1	HEX	C0	CARECFMU	UNDEFINED
		THIS SECTION DEFINES THE READ/WRITE CODES FOR IKJEBEUT		
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

Table 46. Cross Reference for CA

Name	Offset	Hex Tag
CAABEND	7F	10
CAAECNCL	83A	40
CAAEDCB	448	
CAAEFLAG	83A	
CAAERTPT	844	
CAAERTRY	83A	20
CAARBFR	4A4	
CAATNBUF	3B8	

Table 46. Cross Reference for CA (continued)

Name	Offset	Hex Tag
CAATNWKA	3BC	
CAATTN	78	
CAATTNIS	78	40
CABFRPL	848	
CABLKS	A8	
CABLK2	EA	
CACALLRC	ED	10
CACAPS	7C	02
CACAPSDF	C1	10
CACAPSRQ	C1	20
CACFLAG	7C	
CACFLAG1	7C	
CACFLAG2	7D	
CACFLAG3	7E	
CACFLAG4	7F	
CACFLAG5	80	
CACFLAG6	81	
CACHAR48	81	40
CACHAR60	81	20
CACHKOPT	D0	
CACKPACT	83E	
CACKPINT	83C	
CACLCFLG	F40	
CACLCPRM	F3C	
CACLCRKD	F44	
CACLCTYP	F3C	
CACORELN	44	
CACURNUM	1C8	
CADATEXT	E2	
CADSATR2	C2	
CADSATTR	C1	
CADSCODE	C0	
CADSCONT	C1	08
CADSMODS	7D	80
CADSNDEF	C2	40
CADSNLEN	13C	
CADSNLN2	F54	
CADSNOFF	13E	
CADSNOF2	F56	
CADSNPTR	138	
CADSNPT2	F50	
CADSNRC2	F58	
CADSNREC	140	
CADSQUAL	A0	
CADSTYPE	98	
CADSUSED	7F	01

Table 46. Cross Reference for CA (continued)

Name	Offset	Hex Tag
CAEDALOC	EC	01
CAEDDDN	124	
CAEDDISP	EC	10
CAEDDSN	F0	
CAEDDSNL	EE	
CAEDDSOR	EC	04
CAEDFLAG	EC	
CAEDFLG2	ED	
CAEDFNCP	EC	40
CAEDINCP	EC	20
CAEDITAR	80	40
CAEDITDS	EC	80
CAEDLNDP	80	80
CAEDMEM	EC	08
CAEDMEMB	11C	
CAEDMODE	ED	40
CAEDNORC	ED	01
CAEDPRTC	ED	80
CAEDPSWD	12C	
CAEDRCVR	ED	20
CAEDTSIZ	134	
CAEDUNCG	EC	02
CAENDSC	7C	04
CAERRMSG	83A	80
CAESDSPL	70	
CAEXTNAM	DA	
CAFIBFR	4A4	
CAFILINO	1EC	80
CAFINDIS	7F	80
CAFLRLDF	C4	
CAFLRLMX	C6	
CAFREE	81	80
CAFREEDL	24	80
CAIMCIN	7E	08
CAIMFLG	7E	
CAIMINPT	7E	02
CAIMINS	7E	40
CAIMIR	7E	10
CAIMLINC	1D4	
CAIMLLNO	1D0	
CAIMMPT	7E	01
CAIMPT	7E	80
CAIMSC	7E	20
CAIMSFPT	7E	04
CAINCRE	1CC	
CAINITSC	7C	08

Table 46. Cross Reference for CA (continued)

Name	Offset	Hex Tag
CAINLIST	C2	08
CAINPROC	7F	04
CAINSAVE	1DC	
CALDROP	428	
CALENGTH	AB	
CALINE	AA	
CALINTAB	C2	80
CALNNUM	C1	04
CALNTOVF	7C	80
CALRECL	E8	
CALRECLX	C1	02
CAMAWKA	254	
CAMAXBLK	74	
CAMODEIS	3A0	
CAMODELN	3A8	
CAMODEMG	3A0	
CAMODEOF	3AA	
CAMODEPT	3A4	
CAMODETX	3AC	
CAMODMSG	7D	10
CAMSWKA	274	
CANONUM	7C	01
CANXTREC	1C4	
CANXTSVA	F38	
CAOBJGEN	C2	20
CAOPERND	28	80
CAPD	98	
CAPDEND	EA	
CAPDEXT	F90	
CAPLILFM	82	
CAPLIRTM	83	
CAPRNAME	D2	
CAPROMPT	7C	20
CAPRSPDL	24	
CAPTAE	8	
CAPTAT	C	
CAPTCDCB	34	
CAPTCHK	48	
CAPTCORE	40	
CAPTECB	218	
CAPTECT	214	
CAPTGTBF	7F	40
CAPTIBFR	28	
CAPTICDS	50	
CAPTICLN	54	
CAPTLE	10	

Table 46. Cross Reference for CA (continued)

Name	Offset	Hex Tag
CAPTMS	14	
CAPTMSGM	1C	
CAPTNBFR	4C	
CAPTPDCB	38	
CAPTPDXT	E4	
CAPTPRSD	24	
CAPTRTRY	20	
CAPTSCMD	2C	
CAPTTMP	0	
CAPTUPT	210	
CAPTUT	18	
CARECFM	7D	40
CARECFMD	C3	
CARECNO	1E0	
CARECURS	7F	02
CARETAIN	83A	10
CARUN	C1	80
CARUNDS	C2	10
CASAALOC	178	01
CASADDN	1B0	
CASADISP	178	10
CASADQTY	179	40
CASADSN	17C	
CASADSNL	17A	
CASADSOR	178	04
CASAFLAG	178	
CASAFLG2	179	
CASAFNCP	178	40
CASAINCP	178	20
CASAMEM	178	08
CASAMEMB	1A8	
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	

Table 46. Cross Reference for CA (continued)

Name	Offset	Hex Tag
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	
MACFLAG2	271	

Table 46. Cross Reference for CA (continued)

Name	Offset	Hex Tag
MAEBEIN	270	10
MAECTMOD	270	80
MAENDPRC	270	20
MATABLE1	271	80

CAFMAP information

CAFMAP programming interface information

CAFMAP is a programming interface.

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 mapping

Table 47. Structure CAFMAP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	40	CAFMAP	
0	(0)	CHARACTER	4	CAFCAF	IDENTIFIER 'CAF ' - USE CAFCAFC WHEN SETTING THIS VARIABLE
4	(4)	UNSIGNED	1	CAFLEV	VERSION NUMBER - USE CAFLEVN 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	CAFPARM	USED TO CLEAR OUT PARAMETER LIST
8	(8)	ADDRESS	4	CAFTAIE	POINTER TO THE TAIE
12	(C)	ADDRESS	4	CAFIOPL	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

Table 47. Structure CAFMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 BOUNDRY. ANY ADDITIONS TO WORK AREA SHOULD BE PUT BEFORE CAFEND

Table 48. Constants for CAFMAP

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

Table 49. Cross Reference for CAFMAP

Name	Offset	Hex Tag
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	

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 mapping

Table 50. Structure CONTAB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 JOBNAMES (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
84	(54)	CHARACTER	9	CTIDINFO	TSO USERID FIELDS
84	(54)	UNSIGNED	1	CTIDLN	LENGTH OF TSO USERID Y02993
85	(55)	CHARACTER	8	CTUSERID	USER'S TSO USERID
93	(5D)	CHARACTER	3	*	***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***

Table 51. Cross Reference for CONTAB

Name	Offset	Hex Tag
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

CPPL is a programming interface.

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 mapping

Table 52. Structure CPPL

Offset Dec	Offset Hex	Type	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

CSOA is a programming interface.

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 mapping

Table 53. Structure CSOA

Offset Dec	Offset Hex	Type	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	CSOAFLG	FLAGS
		1...		CSOAVWP	"X'80'" VALID WITH PARAMETERS
		.1..		CSOAVNP	"X'40'" VALID NO PARAMS
		..1.		CSOAQM	"X'20'" QUESTION MARK
		...1		CSOANOC	"X'10'" NO COMMAND
		.... 1...		CSOABAD	"X'08'" BAD CMD NAME
		.... .1..		CSOAEXEC	"X'04'" IMPLICIT EXEC COMMAND NAME Y30PQJN
7	(7)	CHARACTER	1		RESERVED

Table 54. Cross Reference for CSOA

Name	Offset	Hex Tag
CSOA	0	
CSOABAD	6	8
CSOACNM	0	
CSOAEXEC	6	4
CSOAFLG	6	
CSOALNM	4	
CSOANOC	6	10
CSOAQM	6	20
CSOAVNP	6	40
CSOAVWP	6	80

CSPL information

CSPL programming interface information

CSPL is a programming interface.

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 mapping

Table 55. Structure CSPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	CSPL	
0	(0)	ADDRESS	4	CSPLUPT	PTR TO UPT
4	(4)	ADDRESS	4	CSPLECT	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

DFPARMS is a programming interface.

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 mapping

Table 56. Structure DFPARMS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 57. Structure DFID

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	2	DFID	CALLER IDENTIFIER
0	(0)	BITSTRING	1	*	FLAG AREA

Table 57. Structure DFID (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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

Table 58. Structure DFBUFS

Offset Dec	Offset Hex	Type	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

Table 59. Constants for DFPARMS

Len	Type	Value	Name	Description
	POSSIBLE VALUES FOR IDNUM			
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

Table 60. Cross Reference for DFPARMS

Name	Offset	Hex Tag
DFBUFL1	0	
DFBUFL2	100	
DFBUFO1	2	
DFBUFO2	102	
DFBUFP	14	
DFBUFS	0	
DFBUFSW	0	40
DFBUFS2	0	20
DFBUFT1	4	
DFBUFT2	104	

Table 60. Cross Reference for DFPARMS (continued)

Name	Offset	Hex Tag
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

ECT is a programming interface.

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 mapping

Table 61. Structure ECT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	ECT	
0	(0)	BITSTRING	1	ECTRCDF	HIGH ORDER BIT INDICATES CP ABENDED

Table 61. Structure ECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 RECVED AT LOGON
		.... .1..		ECTNNOT	"X'04'" NO BRDCST NOTICES TO BE RECVED 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
		.... 1...		ECTKEYWD	"X'08'" ECTHELP=PCE ADDRESS OR 0
		.... .1..		ECTNOQPR	"X'04'" ? PROMPT HELP IS DISABLED
EQU X'02' RESERVED					
		1		ECTNOPUT	"X'01'" TO PREVENT THE PUTLINE
41	(29)	BITSTRING	1	ECTSWS22	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.
		...1		ECTTSTAT	"X'10'" TEST IS IN ATTENTION PROCESSING
42	(2A)	CHARACTER	2		RESERVED
44	(2C)	ADDRESS	4	ECTHELP	POSITIONALS: POSITIONAL # IN EBCDIC KEYWORDS: CONTAINS ADDRESS OF PCE FOR KEYWORD OR 0 IF INVALID KEYWORD ENTERED

Table 61. Structure ECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
44	(2C)	CHARACTER	4	ECTNUM	SAME AS ECTHELP
48	(30)	ADDRESS	4	ECTENVBK	ADDRESS OF THE REXX ENVIRONMENT BLOCK
52	(34)	ADDRESS	4	ECTEXTPR	ADDRESS OF THE ECT EXTENSION BLOCK

Table 62. Cross Reference for ECT

Name	Offset	Hex Tag
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	
ECTSMSG	9	
ECTSWS	1C	
ECTSWS2	28	
ECTSWS22	29	
ECTTABND	28	40
ECTTSTAT	29	10
ECTUSER	20	

EXITLIST information

EXITLIST programming interface information

EXITLIST is a programming interface.

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 mapping

Table 63. Structure EXITLIST

Offset Dec	Offset Hex	Type	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

Table 64. Structure IEMSGBUF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	248	IEMSGBUF	

Table 64. Structure IEMSGBUF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 65. Structure IEREPLY

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	IEREPLY	
0	(0)	SIGNED	2	IEREPLYL	LENGTH OF REPLY, INCLUDING LENGTH OF THIS FIELD
2	(2)	CHARACTER	*	IERTEXT	TEXT OF REPLY FROM USER

Table 66. Structure IESUBCTL

Offset Dec	Offset Hex	Type	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)
		1...		IETJOB	ON IF TAKE EXIT FOR EACH JOB CARD SUBMITTED
		.1..		IETEXEC	TAKE EXIT FOR EACH EXEC CARD (EXEC PROC OR EXECP PROGRAM)
		..1.		IETDD	TAKE EXIT FOR EACH DD CARD
		...1		IETCMD	TAKE EXIT FOR EACH COMMAND CARD (// NAME OPERATION)
		.... 1...		IETNULL	TAKE EXIT FOR EACH NULL CARD (//ALL BLANK)
		.... .1..		IETJES	TAKE EXIT FOR JOB ENTRY SUBSYSTEM CONTROL CARDS (SLASH-ASTERISK-NONBLANK)
		.... ..1.		IETCOMNT	TAKE EXIT FOR COMMENT CARDS (OR MAY BE JES3 CONTROL CARDS)
		1		IETJES3	TAKE EXIT FOR JES3 CTL CARDS
1	(1)	ADDRESS	1	IEOPRAND	ZERO OR OPERAND COLUMN ON THE JCL STATEMENT (ONE-ORIGINED)
2	(2)	BITSTRING	1	IESTMTYP	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.
		1...		IESJOB	CURRENT STATEMENT IS JOB
		.1..		IESEXEC	CURRENT STATEMENT IS EXEC
		..1.		IESDD	CURRENT STATEMENT IS DD
		...1		IESCMD	CURRENT STATEMENT IS CMD
		.... 1...		IESNULL	CURRENT STATEMENT IS NULL
		.... .1..		IESOPCON	OPERAND TO BE CONTINUED
		.... ..1.		IESSCON	STATEMENT TO BE CONTINUED
		1		IESCONTN	CURRENT STATEMENT IS A CONTINUATION
3	(3)	BITSTRING	1	IESTMTP2	INFORMATION FOR CURRENT JCL STATEMENT, CONTINUED

Table 66. Structure IESUBCTL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		IESJES	CURRENT STATEMENT IS JOB ENTRY SUBSYSTEM CONTROL CARD, SLASH-ASTERISK-NONBLANK
		.1..		IESCOMNT	CURRENT STATEMENT IS COMMENT CARD, (MAY BE JES3 STMT)
		..1.		IESJES3	CURRENT STATEMENT IS JES3 CONTROL CARD, -NONBLANK
		...1		IESGENJC	THIS JOB STATEMENT WAS GENERATED BY IKJEFF08
		 1111		*	RESERVED

Table 67. Constants for EXITLIST

Len	Type	Value	Name	Description
IKJEFFIE - RETURN CODES FROM IKJEFF10 TO SUBMIT COMMAND				
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.

Table 68. Cross Reference for EXITLIST

Name	Offset	Hex Tag
ACCTIPT	18	
ACCTLPT	1C	
CARDPTR	0	
EXITLIST	0	
EXITWORK	14	
EXMSGPTR	4	
IEMSGBUF	0	
IEMSGLN	0	
IEMSGTXT	2	
IEOPRAND	1	
IEREPLY	0	
IEREPLYL	0	
IERTEXT	2	
IESCMD	2	10
IESCOMNT	3	40
IESCONTN	2	01
IESDD	2	20

Table 68. Cross Reference for EXITLIST (continued)

Name	Offset	Hex Tag
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	
IESTMTYP	2	
IESUBCTL	0	
IETAKEEX	0	
IETCMD	0	10
IETCOMNT	0	02
IETDD	0	20
IETEXEC	0	40
IETJES	0	04
IETJES3	0	01
IETJOB	0	80
IETNULL	0	08
RESPTR	8	
SWITSPT	10	
USERIDPT	C	

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 mapping

Table 69. Structure FIBMAINP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	FIBMAINP	

Table 69. Structure FIBMAINP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		FIBHIGH	* INDICATES END OF PARAM LIST

Table 70. Structure FIBPARMS

Offset Dec	Offset Hex	Type	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

Table 71. Structure CALLPARM

Offset Dec	Offset Hex	Type	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

Table 72. Structure FIBPRFIL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	FIBPRFIL	PROFILE EXTEN PARM LIST *** PROFILE EXTENSION **
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

Table 73. Constants for FFIB

Len	Type	Value	Name	Description
		POSSIBLE VALUES OF FIBID FIELD TO SVC 100		
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
		POSSIBLE VALUES OF REGISTER 15 FROM SVC 100		
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
		POSSIBLE VALUES OF REG 15 FROM SVC 100 FOR OPERATOR		
4	DECIMAL	4	FIBOPCMD	INVALID COMMAND FOR OPER
4	DECIMAL	8	FIBOPOPD	INVALID OPERAND FOR OPER

Table 74. Cross Reference for FFIB

Name	Offset	Hex Tag
ABUFFER	C	
ACMDNAME	8	
AOPRND	0	
AUTHCHK	10	80
CALLPARM	0	
CMDCHK	10	40
CNTRLFLG	10	
FIBCHAR	0	
FIBCODE	8	
FIBCPPL	0	
FIBHIGH	0	80
FIBID	14	
FIBLEN	16	
FIBLINE	1	
FIBMACRO	C	
FIBMAINP	0	
FIBPARMS	0	
FIBPATTN	2	80
FIBPCHAR	2	20
FIBPFLAG	2	
FIBPLINE	2	40
FIBPRFIL	0	

Table 74. Cross Reference for FFIB (continued)

Name	Offset	Hex Tag
FIBUSER	4	
FSTFLG	10	08
LNGOPRND	4	
OFFGETBF	10	10
TERMID	12	

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 mapping

Table 75. Structure FIBCPARM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	FIBCPARM	COMMON PARAMETER LIST FROM THE SVC
0	(0)	CHARACTER	56	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	8	FIBPSCBU	USERID FROM PSCB
12	(C)	ADDRESS	1	FIBPSCBL	USERID LENGTH FROM PSCB
13	(D)	UNSIGNED	3	*	
16	(10)	ADDRESS	4	FIBCPPLC	POINTER TO THE CMD BUFFER
20	(14)	ADDRESS	4	FIBCPPLU	ADDRESS OF THE UPT
24	(18)	ADDRESS	4	FIBCPPLP	POINTER TO THE PSCB
28	(1C)	ADDRESS	4	FIBCPPLE	ADDRESS OF THE ECT
32	(20)	CHARACTER	8	FIBECTCN	COMMAND NAME FROM THE ECT
40	(28)	SIGNED	2	FIBFLAGS	FLAGS
		1...		FIBECTNO	NO OPERAND FLAG FROM THE ECT
42	(2A)	SIGNED	2	*	RESERVED
44	(2C)	ADDRESS	4	FIBCUSER	POINTER TO USER EXTENSION
48	(30)	ADDRESS	4	FIBCSAVE	IKJEFF20 WORKAREA
52	(34)	ADDRESS	4	*	RESERVED

Table 75. Structure FIBCPARM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
56	(38)	CHARACTER	*	FIBCMDBF	COMMAND BUFFER IN KEY 8 CORE

Table 76. Cross Reference for FIBCPARM

Name	Offset	Hex Tag
FIBCID	2	
FIBCLEN	0	
FIBCMDBF	38	
FIBCPARM	0	
FIBCPPLC	10	
FIBCPPLE	1C	
FIBCPPLP	18	
FIBCPPLU	14	
FIBCSAVE	30	
FIBCUSER	2C	
FIBECTCN	20	
FIBECTNO	28	80
FIBFLAGS	28	
FIBHEADR	0	
FIBPSCBL	C	
FIBPSCBU	4	

GFPARMS information

GFPARMS programming interface information

GFPARMS is a programming interface.

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 mapping

Table 77. Structure GFPARMS

Offset Dec	Offset Hex	Type	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	GFCPPLP	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 GFCPPLP=0, OTHERWISE OPTIONAL (COMMAND NAME IS THE DEFAULT).
28	(1C)	ADDRESS	4	GFDSNP	POINTER TO DSNAME (SEE GFDSNLEN)
32	(20)	ADDRESS	4	GFPGMNP	PTR TO PROGRAM NAME (SEE GFPGMNL)
36	(24)	ADDRESS	4	*	***RESERVED***
40	(28)	ADDRESS	4	*	***RESERVED***

Table 78. Constants for GFPARMS

Len	Type	Value	Name	Description
	POSSIBLE VALUES FOR GFCALLID			
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

Table 78. Constants for GFPARMS (continued)

Len	Type	Value	Name	Description
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

Table 79. Cross Reference for GFPARMS

Name	Offset	Hex Tag
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
GFWTPSW	E	20
GF02PTR	8	

GTPB information

GTPB programming interface information

GTPB is a programming interface.

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 mapping

Table 80. Structure GTPB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	GTPB	
		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			
0	(0)	CHARACTER	4	*	INTERNAL GETLINE USAGE
4	(4)	ADDRESS	4	GTPBIBUF	ADDR OF OBTAINED INPUT LINE

IKJADFMT information

IKJADFMT programming interface information

IKJADFMT is a programming interface.

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 mapping

Table 81. Structure IKJADFMT

Offset Dec	Offset Hex	Type	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(1)	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.

Table 81. Structure IKJADFMT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 mapping

Table 82. Structure CAFRPARM_MAPPING_MACRO

Offset Dec	Offset Hex	Type	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
		DECLARATIONS FOR RECOVERY PARAMETERS PASSED FROM IKJCAF			
16	(10)	CHARACTER	64	CAFRPARM_PARM_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_PARM_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 SETTIN THIS VARIABLE

Table 82. Structure CAFRPARM_MAPPING_MACRO (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	ABEND COMPLETION FIELD FROM IKJCAFR SDWA
48	(30)	SIGNED	4	CAFRPARM_ABEND_REASON_CODE	REASON CODE PASSED BACK FROM IKJCAFR
52	(34)	CHARACTER	28	CAFRPARM_STORAGE_FOR_IKJCAFR	
52	(34)	ADDRESS	4	CAFRPARM_VRA_FIELD_IN_SDWAVRA	USED TO KEEP TRACK OF UNUSED SDWAVRA STORAGE AREA
56	(38)	CHARACTER	4	CAFRPARM_BITS_FOR_RECOVERY	
		1...		CAFRPARM_DID_CALLER_ISSUE_STAX	THIS BIT INDICATES THAT THE CALLER OF CAF ISSUED STAX IGNORE
		.1..		CAFRPARM_WAS_SDUMP_SUCCESSFUL	THIS BIT IS SET WHEN THE SDUMP IN IKJCAFR IS SUCCESSFUL
		..1.		CAFRPARM_BAD_USER_PARAMETERS	THIS BIT IS SET BY IKJCAFR TO INDICATE THAT THE USER PARAMETER LIST CAUSED THE ABEND DURING PARAMETER VERIFICATION
		...1		CAFRPARM_ARE_USER_PARM_VERIFIED	THIS BIT IS ON WHEN IKJCAFR DETECTS THAT THE USER PARAMETER LIST WAS NEVER VERIFIED
		.... 1...		CAFRPARM_APF_AUTHORIZED_ONLY	THIS BIT INDICATES IF IKJCAFR RUNNING APF AUTHORIZED
		.... .111		CAFRPARM_RESERV01	RESERVE
57	(39)	BITSTRING	3	CAFRPARM_RESERV02	RESERVE
60	(3C)	ADDRESS	4	CAFRPARM_SDUMP_DYNAMIC_AREA	ADDRESS OF SDUMP DYNAMIC AREA
64	(40)	ADDRESS	4	CAFRPARM_WORKAREA_FOR_MODESET	TEMPORARY WORKAREA FOR MODESET
68	(44)	UNSIGNED	1	CAFRPARM_SAVE_PSW_KEY	USED TO SAVE THE CURRENT PSW KEY SO IKJCAFR CAN RETURN TO ITS ORIGINAL KEY
69	(45)	UNSIGNED	3	CAFRPARM_RES06	RESERVED
72	(48)	SIGNED	4	CAFRPARM_RES07	RESERVED
76	(4C)	SIGNED	4	CAFRPARM_RES08	RESERVED
80	(50)	CHARACTER	0	CAFRPARM_END	ASSURE WORK AREA ENDS ON A DOUBLE WORD BOUNDRY. ANY ADDITIONS TO WORK AREA SHOULD BE PUT BEFORE CAFEND

Table 83. Constants for IKJCAFRP

Len	Type	Value	Name	Description
		THE FOLLOWING FIELDS ARE CONSTANTS THAT ARE USED BY IKJCAF FOR INITIALIZATION OF THE CAFRPARM PARAMETER LIST		
8	CHARACTER	CAFRPARM	CAFRPARM_CONSTANT	CAFRPARM ACRONYM CONSTANT

Table 83. Constants for IKJCAFRP (continued)

Len	Type	Value	Name	Description
1	DECIMAL	1	CAFRPARM_VERSION_NUM_CONSTANT	CAFRPARM VERSION NUMBER
		DECLARATIONS OF FOOTPRINT CONSTANTS 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).		
4	DECIMAL	100	CAFRPARM_START_VERIFYING_PARMS	USED BY FOOT PRINT TO INDICATE THE START OF THE VERIFICATION OF USER PARAMETERS
4	DECIMAL	200	CAFRPARM_END_VERIFYING_PARMS	USED BY FOOT PRINT TO INDICATE THE END OF THE VERIFICATION OF USER PARAMETERS
4	DECIMAL	300	CAFRPARM_ATTNS_ARE_IGNORED	USED IN FOOTPRINT TO INDICATE STAX IGNORE=YES COMPLETED SUCCESSFULLY
4	DECIMAL	400	CAFRPARM_PUTGET_COMPLETED	USED IN FOOTPRINT TO INDICATE PUTGET COMPLETED SUCCESSFULLY
4	DECIMAL	500	CAFRPARM_ATTN_ARE_REESTABLISHED	USED BY FOOTPRINT TO INDICATE CAF COMPLETED SUCCESSFULLY
4	DECIMAL	1000	CAFRPARM_RETRY_ATTEMPTED	USED TO CHECK IF AN ABEND OCCURRED AND IF IKJCAFR IS ATTEMPTING RETRY
		DECLARATIONS OF USER ABEND CODES IN IKJCAF		
4	DECIMAL	600	CAFRPARM_STAX_ABEND_CODE	ABEND CODE FOR STAX
4	DECIMAL	601	CAFRPARM_STACK_ABEND_CODE	ABEND CODE FOR STACK
4	DECIMAL	602	CAFRPARM_PUTGET_ABEND_CODE	ABEND CODE FOR PUTGET

Table 84. Cross Reference for IKJCAFRP

Name	Offset	Hex Tag
CAFRPARM_ABEND_REASON_CODE	30	
CAFRPARM_ADDR_OF_CAF_PARM_LIST	20	
CAFRPARM_APF_AUTHORIZED_ONLY	38	08
CAFRPARM_ARE_USER_PARM_VERIFIED	38	10
CAFRPARM_BAD_USER_PARAMETERS	38	20
CAFRPARM_BITS_FOR_RECOVERY	38	
CAFRPARM_DID_CALLER_ISSUE_STAX	38	80
CAFRPARM_END	50	
CAFRPARM_FOOT_PRINT	24	
CAFRPARM_ID	0	
CAFRPARM_MAPPING_MACRO	0	
CAFRPARM_MODULE_LEVEL_FOR_SDWA	10	
CAFRPARM_PARM_LIST_FOR_IKJCAFR	10	
CAFRPARM_RESERV01	38	07
CAFRPARM_RESERV02	39	
CAFRPARM_RES01	9	
CAFRPARM_RES02	C	
CAFRPARM_RES06	45	
CAFRPARM_RES07	48	
CAFRPARM_RES08	4C	

Table 84. Cross Reference for IKJCAFRP (continued)

Name	Offset	Hex Tag
CAFRPARM_RETRY_ADDR_IN_IKJCAF	28	
CAFRPARM_SAVE_PSW_KEY	44	
CAFRPARM_SDUMP_DYNAMIC_AREA	3C	
CAFRPARM_SDWAABCC_FIELD	2C	
CAFRPARM_STORAGE_FOR_IKJCAFR	34	
CAFRPARM_VERSION_NUMBER	8	
CAFRPARM_VRA_FIELD_IN_SDWAVRA	34	
CAFRPARM_WAS_SDUMP_SUCCESSFUL	38	40
CAFRPARM_WORKAREA_FOR_MODESET	40	

IKJCNCCB information

IKJCNCCB programming interface information

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

IKJCNCCB heading information

Common name: CONSOLE Command Control Block

Macro ID: IKJCNCCB

DSECT name: CONSOLE ACRONYM: CNCCB

Owning component: 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 mapping

Table 85. Structure CONSOLE

Offset Dec	Offset Hex	Type	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
		.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	

Table 85. Structure CONSOLE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					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

Table 85. Structure CONSOLE (continued)

Offset Dec	Offset Hex	Type	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	*(4)	Reserved

Table 86. Cross Reference for IKJCNCCB

Name	Offset	Hex Tag
CONSOLE	0	
CONSOLE_ASR_FLAGS	5C	
CONSOLE_ASR_STATUS	5C	
CONSOLE_AUTHTASK_ABEND	60	20
CONSOLE_AUTHTASK_ABEND_CODE	48	
CONSOLE_AUTHTASK_ABEND_REASON	4C	
CONSOLE_AUTHTASK_ACTIVE	60	40
CONSOLE_AUTHTASK_CACHING_MSG	38	20
CONSOLE_AUTHTASK_CHECKING_EXITS	38	80
CONSOLE_AUTHTASK_DATA	3C	
CONSOLE_AUTHTASK_DISP_MSG	38	40
CONSOLE_AUTHTASK_END_CODE	44	
CONSOLE_AUTHTASK_ENDING_EXIT	54	
CONSOLE_AUTHTASK_EXAMINE_MCSCSA	38	01
CONSOLE_AUTHTASK_EXIT_MSG	39	80
CONSOLE_AUTHTASK_FORMATTING_MDB	38	08
CONSOLE_AUTHTASK_MCS_RC	50	
CONSOLE_AUTHTASK_POST_GETMSGS	38	04
CONSOLE_AUTHTASK_POST_TO_TERM	38	02

Table 86. Cross Reference for IKJCNCCB (continued)

Name	Offset	Hex Tag
CONSOLE_AUTHTASK_SELECTING_MSG	38	10
CONSOLE_AUTHTASK_TRANSLATING	39	40
CONSOLE_CART	18	
CONSOLE_CNCCB	0	
CONSOLE_CONSID	C	
CONSOLE_DEACT_IN_PROGRESS	5C	80
CONSOLE_DEFAULT_CONSPROF_USED	60	04
CONSOLE_DISP_JOBNAME	34	20
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

IKJCNMCB is a programming interface.

IKJCNMCB heading information

Common name: Message Control Block

Macro ID: IKJCNMCB

DSECT name: IKJCNMCB ACRONYM: CNMCB

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 mapping

Table 87. Structure CNMCB

Offset Dec	Offset Hex	Type	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 mapping

Table 88. Structure CTLT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
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

Table 89. Constants for IKJCTLT

Len	Type	Value	Name	Description
	Constants for the version number and EBCDIC identifier.			
4	CHARACTER	CTLT	CTLTEID	"CTLT" identifier
4	DECIMAL	2	CTLT_CVERS	Version Number
4	DECIMAL	8	TE2_WIDTH	Constant for the width of the AUTHCMD table
4	DECIMAL	8	TE8_WIDTH	Constant for the width of the AUTHPGM table

Table 89. Constants for IKJCTLT (continued)

Len	Type	Value	Name	Description
4	DECIMAL	8	TAP_WIDTH	Constant for the width of the NOTBKGND table
4	DECIMAL	10	TNS_WIDTH	Constant for the width of the AUTHTSF table

Table 90. Cross Reference for IKJCTLT

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

IKJEESCB information

IKJEESCB programming interface information

IKJEESCB is a programming interface.

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 mapping

Table 91. Structure IKJEESCB

Offset Dec	Offset Hex	Type	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_PARMS	
12	(C)	CHARACTER	4	EESCB_FLAGS_1	SEND flags
		1...		EESCB_OPERSEND	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_USERSEND	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_CHKBROD	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_USEBROD	Flag to indicate if mail to 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. USERID'
		.... ..1.		EESCB_SYSPLEXSHR	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.

Table 91. Structure IKJEESCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		EESCB_SYSPLEXSHR_XCF	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
		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.			
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	

Table 91. Structure IKJEESCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					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
		1		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.

Table 91. Structure IKJEESCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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.
		Current Broadcast Data Set Information			
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.BRODCAST (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

Table 92. Constants for IKJEESCB

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 Broadast Support was introduced.
		Declare Broadcast Data Set related defaults		
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.BRODCAST	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

Table 93. Cross Reference for IKJEESCB

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

Table 93. Cross Reference for IKJEESCB (continued)

Name	Offset	Hex Tag
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 mapping

Table 94. Structure PARMLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	PARMLIST	**CANCEL/STATUS JOB PARMLIST**
0	(0)	ADDRESS	4	JOBLISTP	PTR TO TABLE OF JOBNAMES/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

Table 95. Structure JOBLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	9	JOBLIST(*)	TABLE ARRAY FOR JOBNAMES,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

Table 96. Structure SWITCHES

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	1	SWITCHES	SWITCHES INTERNAL TO CANCEL/ST
		1...		CANCELSW	- CANCEL COMMAND
		.1..		STATUSSW	- 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 **

Table 97. Constants for IKJEFFPT

Len	Type	Value	Name	Description
		CONSTANTS USED IN JOBLIST ENTRIES (LEN1 FIELD)		
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

Table 98. Cross Reference for IKJEFFPT

Name	Offset	Hex Tag
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 IKJEFTSI
Key: 8
Residency: Determined by the invoker of IKJEFTSI

Size: See assembler listing

Created by: Invoker of IKJEFTSI

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 mapping

Table 99. Structure IKJEFTSJ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	60	IKJEFTSJ	
0	(0)	ADDRESS	4	EFTSI_ECTPARM@	Pointer to the ECT address.
		1...		EFTSI_ECTPARM@_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
Begin declarations for storage pointed to by above addresses:					
24	(18)	ADDRESS	4	EFTSI_ECTPARM	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
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.

Table 100. Cross Reference for IKJEFTSJ

Name	Offset	Hex Tag
EFTSI_ABEND	34	

Table 100. Cross Reference for IKJEFTSJ (continued)

Name	Offset	Hex Tag
EFTSI_ABEND@	10	
EFTSI_ABEND@_HIBIT	10	80
EFTSI_ECTPARM	18	
EFTSI_ECTPARM@	0	
EFTSI_ECTPARM@_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 mapping

Table 101. Structure IKJEFTSV

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	60	IKJEFTSV	

Table 101. Structure IKJEFTSV (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	ADDRESS	4	EFTST_ECTPARM@	Pointer to the ECT address.
		1...		EFTST_ECTPARM@_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
Begin declarations for storage pointed to by above addresses:					
24	(18)	ADDRESS	4	EFTST_ECTPARM	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
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.

Table 102. Cross Reference for IKJEFTSV

Name	Offset	Hex Tag
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	

Table 102. Cross Reference for IKJEFTSV (continued)

Name	Offset	Hex Tag
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 mapping

Table 103. Structure DUIDL

Offset Dec	Offset Hex	Type	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

Table 103. Structure DUIDL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	CHARACTER	8	UIDUSER(2)	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 mapping

Table 104. Structure IKJEGDBE

Offset Dec	Offset Hex	Type	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

Table 105. Structure DBE

Offset Dec	Offset Hex	Type	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 mapping

Table 106. Structure IKJEGDME

Offset Dec	Offset Hex	Type	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

Table 107. Structure DME

Offset Dec	Offset Hex	Type	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 mapping

Table 108. Structure IKJEGSIB

Offset Dec	Offset Hex	Type	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

Table 109. Structure SIB

Offset Dec	Offset Hex	Type	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

Table 110. Constants for IKJEGSIB

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
	VALUES FOR SIBTYPE			
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

Table 111. Cross Reference for IKJEGSIB

Name	Offset	Hex Tag
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: IKJEGEQU

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 mapping

Table 112. Structure IKJEGSTE

Offset Dec	Offset Hex	Type	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	STESYMAD	EQUIVALENT MAIN STORAGE ADDRESS
8	(8)	BITSTRING	1	STETYPE	TYPE OF DATA AT THIS LOCATION
9	(9)	UNSIGNED	3	STEMULTP	MULTIPLICITY FACTOR

Table 112. Structure IKJEGSTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 113. Structure STE

Offset Dec	Offset Hex	Type	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

Table 114. Constants for IKJEGSTE

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
	VALUES FOR STETYPE			
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	STETYPEA	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

Table 115. Cross Reference for IKJEGSTE

Name	Offset	Hex Tag
IKJEGSTE	0	
STE	0	
STEALET	1C	
STEID	0	

Table 115. Cross Reference for IKJEGSTE (continued)

Name	Offset	Hex Tag
STEMULTP	9	
STENEXT	0	
STEPREF	0	
STESTLTH	C	
STESYMAD	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 mapping

Table 116. Structure IKJEGSTL

Offset Dec	Offset Hex	Type	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	STLENTRY	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

Table 116. Structure IKJEGSTL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 117. Cross Reference for IKJEGSTL

Name	Offset	Hex Tag
IKJEGSTL	0	
STLABENT	C	
STLCSCTN	14	
STLENTRY	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 mapping

Table 118. Structure IKJEGSVB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	44	IKJEGSVB	
A-000000-999999					
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.
		.... 1...		SVBNOLE	MODULE CAN NOT BE REPROCESSED BY LINKAGE EDITOR.
		.... .1..		SVBSYM	MODULE CONTAINS SYMBOL CARDS.
		.... ..1.		SVBLEVF	MODULE CREATED BY LINKAGE EDITOR F.
		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

Table 119. Structure SVB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SVB	NAME FOR ENTIRE SVB.

Table 119. Structure SVB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	CHARACTER	8	SVBPREF	SVB PREFIX.
0	(0)	CHARACTER	8	SVBID	SVB IDENTIFIER 'IKJEGSVB'.
8	(8)	CHARACTER	44	*	MAIN PART SVB.

Table 120. Cross Reference for IKJEGSVB

Name	Offset	Hex Tag
IKJEGSVB	0	
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	
SVB1BLK	10	01

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 mapping

Table 121. Structure IKJEGSVQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	IKJEGSVQ	
		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			
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.

Table 122. Structure SVQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 mapping

Table 123. Structure EXTAB_VECT

Offset Dec	Offset Hex	Type	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

Table 124. Constants for IKJEXTAB

Len	Type	Value	Name	Description
		The following fields are constants that can be used to set RTR0ID and RTR0VERS.		

Table 124. Constants for IKJEXTAB (continued)

Len	Type	Value	Name	Description
4	CHARACTER	EXTV	EXTVEID	EXTV ACRONYM CONSTANT
1	DECIMAL	1	EXTVEVER	EXTV VERSION NUMBER

Table 125. Cross Reference for IKJEXTAB

Name	Offset	Hex Tag
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

IKJPPE is a programming interface.

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 mapping

Table 126. Structure PPE

Offset Dec	Offset Hex	Type	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	PPEOPLEN	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

Table 127. Constants for IKJPPE

Len	Type	Value	Name	Description
4	CHARACTER	PPE	PPECID	IDENTIFIER
2	DECIMAL	1	PPECVER	CURRENT VERSION NUM

Table 128. Cross Reference for IKJPPE

Name	Offset	Hex Tag
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	
PPEOPLEN	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 mapping

Table 129. Structure IKJTABLK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	36	IKJTABLK	TEST ADDRESS BLOCK
0	(0)	ADDRESS	4	TABSINPT	POINTER TO SVC INFORMATION ON BLOCK QUEUE ELEMENT (SVQ)
4	(4)	ADDRESS	4	TABECBT	POINTER TO TEST ECB
8	(8)	ADDRESS	4	TABTSTCB	POINTER TO TEST TCB
12	(C)	ADDRESS	4	TABTCOM	POINTER TO TCOMTAB
16	(10)	BITSTRING	1	TABFLAG1	1ST FLAG BYTE
		1...		TABSVCAB	ABEND INDICATOR FOR MAINLINE
		.1..		TABMSGS	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	TABSVC61	FOR USE BY SVC61 ONLY
24	(18)	ADDRESS	4	TABSVC97	FOR USE BY SVC 97 ONLY
28	(1C)	ADDRESS	4	TABRSVD1	RESERVED WORD
32	(20)	ADDRESS	4	TABRSVD2	RESERVED WORD

Table 130. Structure TAB

Offset Dec	Offset Hex	Type	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

Table 131. Cross Reference for IKJTABLK

Name	Offset	Hex Tag
IKJTABLK	0	
TAB	0	

Table 131. Cross Reference for IKJTABLK (continued)

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

IKJTBLMP information

IKJTBLMP heading information

Common name: Logon Address Table

Macro ID: IKJTBLMP

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.

IKJTBLMP mapping

Table 132. Structure LOGONADD

Offset Dec	Offset Hex	Type	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

Table 132. Structure LOGONADD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 133. Cross Reference for IKJTBLMP

Name	Offset	Hex Tag
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 mapping

Table 134. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 134. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		%GOTO TLSPLS ;			
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	TLSABND	ABEND CODE IF SERVICE FAILS
20	(14)	SIGNED	4	TLSREAS	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
		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			
40	(28)	X'0'	0	TLSOK	"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	TLSERR	"20" ERROR ENCOUNTERED WHILE PROCESSING
		The following declarations define the four valid table names AUTHCMD - AUTHCMD - Authorized Command Table (IKJEFTE2) AUTHPGM - AUTHPGM - Authorized Program Table (IKJEFTE8) AUTHTSF - AUTHTSF - Authorized programs supported through the TSO Service Facility (IKJEFTAP) NOTBKGND - NOTBKGND- Commands not supported in the background (IKJEFTNS)			
40	(28)	CHARACTER	8	AUTHCMD	
48	(30)	CHARACTER	8	AUTHPGM	
56	(38)	CHARACTER	8	AUTHTSF	
64	(40)	CHARACTER	8	NOTBKGND	

Table 135. Cross Reference for IKJTLS

Name	Offset	Hex Tag
AUTHCMD	28	C1E4E3C8
AUTHPGM	30	C1E4E3C8
AUTHTSF	38	C1E4E3C8
NOTBKGND	40	D5D6E3C2
TLS	0	
TLSABND	10	
TLSCMD	8	
TLSCNOTF	28	4

Table 135. Cross Reference for IKJTLS (continued)

Name	Offset	Hex Tag
TLSEND	18	
TLSERR	28	14
TLSOK	28	0
TLSPABND	20	
TLSPARM	18	
TLSPCMD	1C	
TLSPEND	28	
TLSPREAS	24	
TLSPTAB	18	
TLSREAS	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 mapping

Table 136. Structure TPVT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 136. Structure TPVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
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		TPVT_LGPC	PASSWORDPREPROMPT flag for PARMLIB processing
77	(4D)	UNSIGNED	1	TPVT_UIDMAX	Max Userid Len
78	(4E)	CHARACTER	2	*	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

Table 136. Structure TPVT (continued)

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

Table 137. Constants for IKJTPVT

Len	Type	Value	Name	Description
	The following constants define the storage descriptor and the version identifier for the TPVT.			
4	CHARACTER	TPVT	TPVT_EID	Identifier
1	DECIMAL	3	TPVT_CVERS	Version number
1	DECIMAL	2	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
	The following constants define the major and minor names for the various ENQs done by the PARMLIB routines.			
8	CHARACTER	SYSIKJPL	PARMLIB_MAJOR_NAME	Major name for Dynamic Parmlib ENQ
7	CHARACTER	IKJTPVT	PARMLIB_MINOR_NAME	Minor name for Dynamic Parmlib ENQ

Table 137. Constants for IKJTPVT (continued)

Len	Type	Value	Name	Description
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

Table 138. Cross Reference for IKJTPVT

Name	Offset	Hex Tag
TPVT	0	
TPVT_ADDRESSES	14	
TPVT_ALLOC_DFLT	B8	80
TPVT_ALPL	24	
TPVT_APPL	4C	04
TPVT_AUTHCMD_DFLT	B9	80
TPVT_AUTHPGM_DFLT	B9	40
TPVT_AUTHTSF_DFLT	B9	20
TPVT_COMP_FLD	50	
TPVT_CONSOLE	30	
TPVT_CONSOLE_DFLT	B8	40
TPVT_CPUID	A6	
TPVT_DATE	9C	
TPVT_DSNAME	50	
TPVT_DYNBROAD_AVAIL	B6	80
TPVT_FCVEC	34	
TPVT_FEATURE_VERS	B7	
TPVT_FEATURES	B6	
TPVT_FLAGS0	BA	
TPVT_GEN	10	
TPVT_GEN_INFO	0	
TPVT_GEN_INFO2	50	
TPVT_HELP	3C	
TPVT_HELP_DFLT	B8	20
TPVT_ID	0	
TPVT_LEN	4	
TPVT_LGNH	4C	02
TPVT_LGPC	4C	01
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

Table 138. Cross Reference for IKJTPVT (continued)

Name	Offset	Hex Tag
TPVT_PPVEC	40	
TPVT_PREF	8	
TPVT_SEND	20	
TPVT_SEND_DFLT	B8	10
TPVT_SUFX	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_UIDMAX	4D	
TPVT_USERID	8C	
TPVT_VERS	6	
TPVT_VOLUME	7C	
TPVT_XPRMD	2C	
TPVTCTLT	14	
TPVTCTLT_LEN	18	

IKJVEPL information

IKJVEPL programming interface information

IKJVEPL is a programming interface.

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 mapping

Table 139. Structure VEPL

Offset Dec	Offset Hex	Type	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

Table 140. Constants for IKJVEPL

Len	Type	Value	Name	Description
4	CHARACTER	VEPL	VEPLCID	IDENTIFIER
2	DECIMAL	1	VEPLCVER	CURRENT VERSION NUM

Table 141. Cross Reference for IKJVEPL

Name	Offset	Hex Tag
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 mapping

Table 142. Structure IKJWHEN

Offset Dec	Offset Hex	Type	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 OMMITTED
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

Table 143. Cross Reference for IKJWHEN

Name	Offset	Hex Tag
IKJWHEN	0	
WHATTECB	34	
WHBYPASS	3A	20
WHCHAR	3B	
WHCMD	48	
WHCOMM	44	
WHEND	3A	80
WHENWAS	3C	
WHFILL	51	
WHGETM	50	

Table 143. Cross Reference for IKJWHEN (continued)

Name	Offset	Hex Tag
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	

INMTEXTU information

INMTEXTU programming interface information

INMTEXTU is a programming interface.

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 mapping

Table 144. Structure INMTEXTU

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	INMTEXTU	
KEYS FOR NETWORK USER IDENTIFICATION (INMR01 RECORD)					
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

Table 144. Structure INMTEXTU (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	BITSTRING	0	INMTTIME	"X'1025'" DESTINATION TIME STAMP
0	(0)	BITSTRING	0	INMNUMF	"X'102F'" NUMBER OF FILES IN TRANSMISSION
KEYS FOR GENERAL CONTROL					
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
KEYS FOR DATASET IDENTIFICATION (INMR02, INMR03 RECORDS)					
		1		INMDDNAM	"X'0001'" DDNAME FOR FILE
		.... ..1.		INMDSNAM	"X'0002'" DATASET NAME FOR FILE
		11		INMMEMBR	"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		INMRECFM	"X'0049'" RECORD FORMAT
0	(0)	BITSTRING	0	INMLREF	"X'1020'" LAST REFERENCE DATE
0	(0)	BITSTRING	0	INMLCHG	"X'1021'" LAST CHANGE DATE
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

Table 145. Cross Reference for INMTEXTU

Name	Offset	Hex Tag
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
INMFACK	0	1026
INMFNODE	0	1011
INMFTIME	0	1024
INMFUID	0	1012

Table 145. Cross Reference for INMTEXTU (continued)

Name	Offset	Hex Tag
INMFVERS	0	1023
INMLCHG	0	1021
INMLRECL	0	42
INMLREF	0	1020
INMLSIZE	0	8018
INMMEMBR	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 mapping

Table 146. Structure INSTACK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	INSTACK	
		INPUT STACK ELEMENT			
0	(0)	BITSTRING	1	INSCODE	TYPE OF ELEMENT
		1...		INSDATA	DATASET/TERMINAL SRC

Table 146. Structure INSTACK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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

Table 147. Cross Reference for INSTACK

Name	Offset	Hex Tag
FLAGWORD	4	
INSADLSD	1	
INSATTN	5	80
INSBARR	5	40
INSCODE	0	
INSDATA	0	80
INSEXEC	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 mapping

Table 148. Structure IOD

Offset Dec	Offset Hex	Type	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	TURNED 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	

Table 148. Structure IOD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
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(4)	RESERVED AREA

Table 149. Constants for IOD

Len	Type	Value	Name	Description
		FOLLOWING ARE THE ROUTE CODES, ONE FOR EACH FUNCTION THE I/O LAR WILL PERFORM.		
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

Table 150. Cross Reference for IOD

Name	Offset	Hex Tag
EXITSA	78	
IOD	0	

Table 150. Cross Reference for IOD (continued)

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

IOPL information

IOPL programming interface information

IOPL is a programming interface.

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 mapping

Table 151. Structure IOPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	IOPL	
		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.			
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

IRXARGTB is a programming interface.

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 mapping

Table 152. Structure ARGTABLE_ENTRY

Offset Dec	Offset Hex	Type	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

IRXCMPTB is a programming interface.

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 mapping

Table 153. Structure COMPGMTB_HEADER

Offset Dec	Offset Hex	Type	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'

Table 154. Structure COMPGMTB_ENTRY

Offset Dec	Offset Hex	Type	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

Table 154. Structure COMPGMTB_ENTRY (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
32	(20)	CHARACTER	8	COMPGMTB_COMPVAR	Name of the Variable Handling Routine
40	(28)	SIGNED	4	COMPGMTB_STORAGE(4)	Storage for use by the Run Time Processor
56	(38)	CHARACTER	0	COMPGMTB_NEXT	Next COMPGMTB entry

Table 155. Cross Reference for IRXCMPTB

Name	Offset	Hex Tag
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

IRXDSIB is a programming interface.

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 mapping

Table 156. Structure DSIB_INFO

Offset Dec	Offset Hex	Type	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_RECFM_FLAG	ON if RECFM 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
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_RECFM	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

Table 156. Structure DSIB_INFO (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	*(3)	Reserved words

Table 157. Constants for IRXDSIB

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

Table 158. Cross Reference for IRXDSIB

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

IRXEFPL information

IRXEFPL programming interface information

IRXEFPL is a programming interface.

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 mapping

Table 159. Structure EFPL

Offset Dec	Offset Hex	Type	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

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

- ENVBLOCK_ERROR

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 mapping

Table 160. Structure ENVBLOCK

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

Table 161. Cross Reference for IRXENVB

Name	Offset	Hex Tag
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_PARMBLOCK	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 mapping

Table 162. Structure ENVTABLE_HEADER

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 163. Structure ENVTABLE_ENTRY

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

Table 164. Cross Reference for IRXENVT

Name	Offset	Hex Tag
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

IRXEVALB is a programming interface.

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 mapping

Table 165. Structure EVALBLOCK

Offset Dec	Offset Hex	Type	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

IRXEXECB is a programming interface.

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 mapping

Table 166. Structure EXECBLK

Offset Dec	Offset Hex	Type	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.)
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).
56	(38)	SIGNED	4	*(2)	RSVD
64	(40)	CHARACTER	0	EXEC_V2_END	End of Ver 2 EXECBLK

Table 167. Constants for IRXEXECB

Len	Type	Value	Name	Description
Declaration for the 'IRXEXECB' Acronym				
8	CHARACTER	IRXEXECB	EXECBLK_ID	'IRXEXECB' acronym identifier
4	DECIMAL	48	EXECBLK_V1_LEN	Length of Ver 1 EXECBLK
4	DECIMAL	64	EXECBLK_V2_LEN	Length of Ver 2 EXECBLK

Table 168. Cross Reference for IRXEXECB

Name	Offset	Hex Tag
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

IRXEXTE is a programming interface.

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 mapping

Table 169. Structure IRXEXTE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	IRXEXTE	REXX Vector of External Entry Points
0	(0)	DBL WORD	8	(0)	Align on doubleword boundary

Table 169. Structure IRXEXTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
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

Table 170. Cross Reference for IRXEXTE

Name	Offset	Hex Tag
IO_ROUTINE	18	
IRXERS	54	
IRXEXCOM	10	
IRXEXEC	14	
IRXEXTE	0	
IRXEXTE_ENTRY_COUNT	0	
IRXHLT	5C	

Table 170. Cross Reference for IRXEXTE (continued)

Name	Offset	Hex Tag
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

IRXFPDIR is a programming interface.

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 mapping

Table 171. Structure FPCKDIR_HEADER

Offset Dec	Offset Hex	Type	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

Table 172. Structure FPCKDIR_ENTRY

Offset Dec	Offset Hex	Type	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

Table 173. Cross Reference for IRXFPDIR

Name	Offset	Hex Tag
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

IRXINSTB is a programming interface.

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 mapping

Table 174. Structure INSTBLK

Offset Dec	Offset Hex	Type	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_DSNLEN	Length of data set name
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)

Table 174. Structure INSTBLK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	*(2)	Reserved
128	(80)	CHARACTER	*	INSTBLK_ENTRIES	The INSTBLK_ENTRY array of entries begins here

Table 175. Structure INSTBLK_ENTRY

Offset Dec	Offset Hex	Type	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

Table 176. Constants for IRXINSTB

Len	Type	Value	Name	Description
Declaration for the In-storage control block acronym				
8	CHARACTER	IRXINSTB	INSTBLK_ACRYN	In-storage control block acronym

Table 177. Cross Reference for IRXINSTB

Name	Offset	Hex Tag
INSTBLK	0	
INSTBLK_ACRONYM	0	
INSTBLK_ADDRESS	10	
INSTBLK_DDNAME	20	
INSTBLK_DSNAME	38	
INSTBLK_DSNLEN	34	
INSTBLK_ENTRIES	80	
INSTBLK_ENTRY	0	
INSTBLK_EXTNAME_LEN	74	
INSTBLK_EXTNAME_PTR	70	
INSTBLK_HDRLEN	8	
INSTBLK_HEADER	0	
INSTBLK_MEMBER	18	
INSTBLK_NEXT	8	
INSTBLK_STMT@	0	
INSTBLK_STMTLEN	4	
INSTBLK_SUBCOM	28	
INSTBLK_USEDLEN	14	

IRXMODNT information

IRXMODNT programming interface information

IRXMODNT is a programming interface.

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 mapping

Table 178. Structure MODNAMET

Offset Dec	Offset Hex	Type	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_EXECTERM	Name of the Exec Termination routine
104	(68)	CHARACTER	8	MODNAMET_FFFF	End marker - hex 'FFFFFFFFFFFFFFFF'

Table 179. Cross Reference for IRXMODNT

Name	Offset	Hex Tag
MODNAMET	0	
MODNAMET_ATTNROUT	38	
MODNAMET_DDS	0	
MODNAMET_EXECINIT	30	
MODNAMET_EXECTERM	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

IRXPACKT is a programming interface.

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 mapping

Table 180. Structure PACKTB_HEADER

Offset Dec	Offset Hex	Type	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'

Table 181. Structure PACKTB_ENTRY

Offset Dec	Offset Hex	Type	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
8	(8)	CHARACTER	0	PACKTB_NEXT	Next PACKTB entry

Table 182. Cross Reference for IRXPACKT

Name	Offset	Hex Tag
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

IRXPARMB is a programming interface.

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_PARMBLOCK 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 mapping

Table 183. Structure PARMBLOCK

Offset Dec	Offset Hex	Type	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.		RENTRANT	Reentrant REXX environment flag

Table 183. Structure PARMBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		NOPMSGS	No primary messages
38	(26)	1...		ALTMSGS	Issue alternate messages
		.1..		SPSHARE	Subpool storage is shared flag
		..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		FUNCSOFL_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.		RENTRANT_MASK	Reentrant REXX environment flag mask
		1		NOPMSGS_MASK	No primary messages flag mask
42	(2A)	1...		ALTMSGS_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

Table 183. Structure PARMBLOCK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
56	(38)	CHARACTER	8	PARMBLOCK_FFFF	End marker - hex 'FFFFFFFFFFFFFFFF'

Table 184. Constants for IRXPARMB

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

Table 185. Cross Reference for IRXPARMB

Name	Offset	Hex Tag
ALTMSGS	26	80
ALTMSGS_MASK	2A	80
CLOSEXFL	25	08
CLOSEXFL_MASK	29	08
CMDSOFL	24	20
CMDSOFL_MASK	28	20
FUNCSOFL	24	10
FUNCSOFL_MASK	28	10
LOCPKFL	25	40
LOCPKFL_MASK	29	40
NEWSCFL	25	10
NEWSCFL_MASK	29	10
NEWSTKFL	24	01
NEWSTKFL_MASK	28	01
NOESTAE	25	04
NOESTAE_MASK	29	04
NOLOADDD	26	10
NOLOADDD_MASK	2A	10
NOMSGIO	26	04
NOMSGIO_MASK	2A	04
NOMSGWTO	26	08
NOMSGWTO_MASK	2A	08
NOPMSGS	25	01
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	

Table 185. Cross Reference for IRXPARMB (continued)

Name	Offset	Hex Tag
PARMBLOCK_FFFF	38	
PARMBLOCK_FLAGS	24	
PARMBLOCK_ID	0	
PARMBLOCK_LANGUAGE	C	
PARMBLOCK_MASKS	28	
PARMBLOCK_MODNAMET	10	
PARMBLOCK_PACKTB	18	
PARMBLOCK_PARSETOK	1C	
PARMBLOCK_SUBCOMTB	14	
PARMBLOCK_SUBPOOL	2C	
PARMBLOCK_VERSION	8	
RENTRANT	25	02
RENTRANT_MASK	29	02
ROSTORFL	26	02
ROSTORFL_MASK	2A	02
SPSHARE	26	40
SPSHARE_MASK	2A	40
STORFL	26	20
STORFL_MASK	2A	20
SYSPKFL	25	20
SYSPKFL_MASK	29	20
TSOFL	24	80
TSOFL_MASK	28	80
USERPKFL	25	80
USERPKFL_MASK	29	80

IRXSHVB information

IRXSHVB programming interface information

IRXSHVB is a programming interface.

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 mapping

Table 186. Structure SHVBLOCK

Offset Dec	Offset Hex	Type	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)

Table 187. Constants for IRXSHVB

Len	Type	Value	Name	Description
	SHARED VARIABLE REQUEST BLOCK - function codes			
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
	R15 return codes			
4	DECIMAL	0	SHVRCOK	Entire Plist chain processed
4	DECIMAL	-1	SHVRCINV	Invalid entry conditions
4	DECIMAL	-2	SHVRCIST	Insufficient storage available
	SHARED VARIABLE REQUEST BLOCK - return codes			
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

Table 188. Cross Reference for IRXSHVB

Name	Offset	Hex Tag
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

IRXSUBCT is a programming interface.

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 mapping

Table 189. Structure SUBCOMTB_HEADER

Offset Dec	Offset Hex	Type	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

Table 189. Structure SUBCOMTB_HEADER (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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'

Table 190. Structure SUBCOMTB_ENTRY

Offset Dec	Offset Hex	Type	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

Table 191. Cross Reference for IRXSUBCT

Name	Offset	Hex Tag
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

IRXWORKB is a programming interface.

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 mapping

Table 192. Structure WORKBLOK_EXT

Offset Dec	Offset Hex	Type	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

Table 193. Cross Reference for IRXWORKB

Name	Offset	Hex Tag
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

LSD is a programming interface.

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 mapping

Table 194. Structure LSD

Offset Dec	Offset Hex	Type	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	LSDRCLEN	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	

Table 195. Cross Reference for LSD

Name	Offset	Hex Tag
LSD	0	
LSDADATA	0	
LSDANEXT	8	
LSDDATAL	1	
LSDEXEC	C	

Table 195. Cross Reference for LSD (continued)

Name	Offset	Hex Tag
LSDEXECL	D	
LSDNEXTL	9	
LSDRCLEN	4	
LSDTOTLN	6	

LWA information

LWA programming interface information

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

- LWAPASCB
- LWAPECT
- LWAPSCB
- LWASUBSY
- LWAWBQID

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, IKJTSOEV, 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 mapping

Table 196. Structure LWA

Offset Dec	Offset Hex	Type	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

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	LWAABCE	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
		.... 1...		LWALEA	IKJEFLEA INDICATOR Y02669
		.... .1..		LWALI	IKJEFLI INDICATOR Y02669
		.... ..1.		LWALH	IKJEFLH INDICATOR Y02669
		1		LWALL	IKJEFLL 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

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 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		LWASICSP	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.
		.... ..1.		LWAJJCL	JCL FOR TERMINAL JOB WAS SUPPLIED BY AN INSTALLA- TION 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 SUP- PLIED BY AN INSTALLATION EXIT ROUTINE.

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		LWAATR2	INFORMATION FOR THE ATR2 FIELD OF THE PSCB WAS SUP- PLIED BY AN INSTALLATION EXIT ROUTINE.
		..1.		LWAUNIT	INFORMATION FOR PSCBGPNM FIELD OF THE PSCB WAS SUP- PLIED BY AN INSTALLATION EXIT ROUTINE.
		...1		LWABUPT	INFORMATION FOR USER PRO- FILE 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
		1		LWAMAIL	1=NOMAIL RQST
66	(42)	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	LWAELST	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

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
144	(90)	ADDRESS	4	LWASWKA	POINTER TO WORK Y02669 AREA FOR IKJEFLS Y02669
148	(94)	ADDRESS	4	LWAXXXX	AREA RESERVED FOR TSO SESSON MGR
152	(98)	ADDRESS	4	LWASPF	POINTER TO WORK AREA FOR SPF
156	(9C)	ADDRESS	4	LWATCB02	POINTER TO TCB FOR IKJEFT02
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	LWAFLGS5	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	LWAFLGS6	Flags for use by TSO/E
		1...		LWAWBHID	Web client hidden text mode
		.1..		LWAPAPFC	Permit APF Caller environment
		..1.		LWAENT01	IKJEFTOP (TOP2) ESTAE in control for T01 task, as a jobstep. Flag indicates T01 (as the jobstep task) will be ending.
		...1		LWAETOP2	IKJEFTOP has gotten control as the 'TOP2' ESTAE for T01 task.
		.... 1...		LWAETOP1	IKJEFTOP has gotten control as the 'TOP1' ESTAE for T01 task.
268	(10C)	ADDRESS	4	LWATMPW3	PTR TO TMP WORK AREA 3
272	(110)	CHARACTER	392	LWASRWAA	SRWA AREA

```
DECLARE -
    ADDRESSES OF DYNAMIC AREAS IN THE SRWA.
```

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

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
		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.			
312	(138)	ADDRESS	4	LWATNS	PTR TO IKJEFTNS
316	(13C)	ADDRESS	4	LWATE2	PTR TO IKJEFTE2
320	(140)	ADDRESS	4	LWATE8	PTR TO IKJEFTE8
		DECLARE - ADDRESSES OF LAR SAVEAREAS IN THE SRWA.			
324	(144)	UNSIGNED	4	LWAICONS	CONSOLE ID OF COMMAND ISSUER
328	(148)	CHARACTER	8	LWAICART	CART FOR THE COMMAND
336	(150)	ADDRESS	4	LWASTCK	
		ADDRESS OF STACK LAR SAVEAREA			
340	(154)	ADDRESS	4	LWAPUTL	
		ADDRESS OF PUTLINE LAR SAVEAREA			
344	(158)	ADDRESS	4	LWAPTGT	
		ADDRESS OF PUTGET LAR SAVEAREA			
348	(15C)	ADDRESS	4	LWAGETL	
		ADDRESS OF GETLINE LAR SAVEAREA			
352	(160)	ADDRESS	4	LWAC441	
		ADDRESS OF CLIST VARIABLE LAR SAVEAREA			
356	(164)	ADDRESS	4	LWAPHAS2	
		ADDRESS OF CLIST PHASE2 WORKAREA			
360	(168)	ADDRESS	4	LWARSV5	
		RESERVED FOR FUTURE USE			
364	(16C)	ADDRESS	4	LWARSV6	
		RESERVED FOR FUTURE USE			
368	(170)	ADDRESS	4	LWAIOBUF	PTR TO I/O BUFFER USED BY LOGON FOR THE READING AND WRITING OF SYS1.UADS
372	(174)	CHARACTER	1	LWABLK	INDICATES WHICH BLOCK OF DATA IN SYS1.UADS THAT LWAIOBUF POINTS TO
373	(175)	CHARACTER	3	LWARESV4	RESERVED
376	(178)	ADDRESS	4	LWALWC	POINTS TO LWC

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
380	(17C)	ADDRESS	4	LWAECBA	ECB POINTER FOR COMMUNICATION BETWEEN IKJEFLG (ATTENTION ROUTINE) AND OTHER MODULES
384	(180)	ADDRESS	4	LWACTDBC	POINTER TO SRWA
	STORAGE FOR IKJCTDBC				
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	LWADCBCT	NUMBER OF DCBS CURRENTLY OPEN
472	(1D8)	ADDRESS	4	LWAT441R	PTR TO IKJCT441 STORAGE
476	(1DC)	CHARACTER	8	LWARNM8	Userid 1@L7D
484	(1E4)	ADDRESS	4	LWAPROSP	ADDR of key 1 stack

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
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)	CHARACTER	4	LWASUBSY	SUBSYSTEM NAME
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

Table 196. Structure LWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		LWASYSPR	INDICATES SYSTSPRT ALLOCATED BY IKJPCENV AS DUMMY
		...1		LWAVBKGD	TSO ENVIRONMENT INITIALIZED WITH BACKGROUND MODE
		.... 1...		LWATE2LD	IKJEFTE2 LOADED
		.... .1..		LWATE8LD	IKJEFTE8 LOADED
		.... ..1.		LWATAPLD	IKJEFTAP LOADED
		1		LWATNSLD	IKJEFTNS LOADED
609	(261)	BITSTRING	1	LWACRID	Creator ID, identifies who created this LWA
610	(262)	1...		LWASBSYF	SUBSYS failure
610	(262)	BITSTRING	1	*	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	LWAISPDT	Pointer reserved for ISPF DT support.
632	(278)	ADDRESS	4	LWAMSRM@	Address of IKJMSRM0 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	LWAWCOHD	Ptr to webispf conn handle
648	(288)	ADDRESS	4	LWAFREE(4)	Reserved room for later use
664	(298)	CHARACTER	0	*	FORCE DOUBLEWORD BOUNDRY

Table 197. Constants for LWA

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
1	DECIMAL	253	LWASP	SUBPOOL 253/x'FD'
1	DECIMAL	0	LWAKEY	KEY OF LWA
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
		Constants used to set LWACRID to identify who created the LWA.			
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

Table 197. Constants for LWA (continued)

Len	Type	Value	Name	Description
DECLARE- LOGON VARIABLES				
8	CHARACTER	SYSIKJUA	SYSIKJUA	Major name for ...
DECLARE- MESSAGE NUMBERS				
4	DECIMAL	15	MSG56413	RACINIT FAILED BY RACINIT INSTALLATION EXIT RC=24
4	DECIMAL	13	MSG56414	NEW-PSWD FOR RACINIT INVALID RC=16
4	DECIMAL	52	MSG56415	PSWD EXPIRED AND NO NEW-PSWD RC=12
4	DECIMAL	53	MSG56416	RACINIT ERROR RC=XX
4	DECIMAL	54	MSG56417	GROUP NOT DEFINED TO USER RC=20
4	DECIMAL	55	MSG56419	GROUP, NEW PSWD IGNORED FOR NON RACF USER
4	DECIMAL	8	MSG56421	PSWD NOT AUTHORIZED RC= 8
4	DECIMAL	111	MS56421X	PSWD NOT AUTHORIZED - new password reset
4	DECIMAL	126	MSG56469	Enter MFA Info
4	DECIMAL	127	MS56469X	Enter MFA Info - New PW ignored
4	DECIMAL	51	MSG56425	RACINIT TEMPORARILY NOT ALLOWING USER TO LOGON RC=28
4	DECIMAL	56	MSG56426	GROUP/NEWPSWD IGNORED RACF NOT IN SYSTEM
FOLLOWING MESSAGES ARE FOR RACF V2 8/30/76				
4	DECIMAL	57	MSG56431	LOGON TERMINATED. NOT AUTH TO THIS TERMINAL
4	DECIMAL	58	MSG56432	RECONNECT REJECTED - NOT AUTHORIZED TO THIS TERMINAL
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

Table 197. Constants for LWA (continued)

Len	Type	Value	Name	Description
	SUPPORTED FOR THIS TERMIN TYPE			
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
	INVALID FOR RACF			
4	DECIMAL	67	MSG56441	RECONNECT REJECTED- GROUP NOT
	AUTHORIZED			
4	DECIMAL	68	MSG56442	RECONNECT REJECTED BY RACF
	INSTALLATION EXIT			
4	DECIMAL	69	MSG56443	RECONNECT REJECTED USER ACCESS
	REVOKED BY RACF			
4	DECIMAL	70	MSG56444	RECONNECT REJECTED- USE OF
	GROUP HAS BEEN REJECTED			
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 XXXXXXX, REASON CODE XXX
4	DECIMAL	95	MSG56498	RECONNECT FAILED - USER XXXXXXX CAN NOT ACCESS SYSTEM AT THIS TIME
4	DECIMAL	96	MSG56499	LOGON FAILED - USER XXXXXXX CAN NOT ACCESS SYSTEM AT THIS TIME
4	DECIMAL	97	MSG56471	Invalid SECLABEL

Table 198. Cross Reference for LWA

Name	Offset	Hex Tag
LWA	0	
LWAABCE	27	
LWAABFLD	3A	80
LWAACCT	14	
LWAADVLF	250	

Table 198. Cross Reference for LWA (continued)

Name	Offset	Hex Tag
LWAAECB	24	
LWAAECBP	5C	
LWAATR1	41	80
LWAATR2	41	40
LWABEND	41	02
LWABLK	174	
LWABND	3A	01
LWABUPT	41	10
LWACCSID	1D0	
LWACHECK	10A	04
LWACMD	1C3	80
LWACNCCB	228	
LWACNPR	1C3	10
LWACNPRF	22C	
LWACRID	261	
LWACTDBC	180	
LWACTLS	40	
LWACTLS2	1C3	
LWACT429	210	
LWACT440	134	
LWAC441	160	
LWADCBCT	1D4	
LWADEST	41	04
LWADEST2	84	
LWADISC	40	10
LWADTSEG	270	
LWADYSEG	26C	
LWAECBA	17C	
LWAEFT30	110	
LWAEFT40	114	
LWAEFT45	118	
LWAEFT52	11C	
LWAEFT53	120	
LWAEFT55	128	
LWAEFT56	12C	
LWAELST	5C	
LWAENT01	10B	20
LWAEOEL	60	80
LWAETOP1	10B	08
LWAETOP2	10B	10
LWAEXITP	188	
LWAFAIL	40	20
LWAFLAG1	1C0	
LWAFLAG2	1C1	
LWAFLGS	38	
LWAFLGS4	3B	

Table 198. Cross Reference for LWA (continued)

Name	Offset	Hex Tag
LWAFLGS5	10A	
LWAFLGS6	10B	
LWAFREE	288	
LWAFSLGN	39	02
LWAFSRAC	39	01
LWAFSTXT	3B	80
LWAGBWKA	8C	
LWAGENER	1F4	
LWAGETL	15C	
LWAICART	148	
LWAICONS	144	
LWAILGN	3B	01
LWAINX1	3B	02
LWAIOBUF	170	
LWAIPLWO	1C0	40
LWAISPDT	274	
LWAJJCL	40	02
LWAJSEL	1C	
LWALA	38	80
LWALACCT	190	
LWALACT	AC	
LWALB	38	40
LWALC	38	20
LWALE	38	10
LWALEA	38	08
LWALG	39	10
LWALGB	39	08
LWALGCMD	BA	
LWALGM	39	80
LWALH	38	02
LWALI	38	04
LWALIO	10A	08
LWALJ	39	40
LWALJA	10A	40
LWALJH	10A	20
LWALJU	10A	10
LWALK	39	20
LWALL	38	01
LWALPA	10A	80
LWALPCNT	30	
LWALPGN	B8	
LWALPRC	B0	
LWALPROC	1B8	
LWALRGN	B4	
LWALS	39	04
LWALSECL	1F6	

Table 198. Cross Reference for LWA (continued)

Name	Offset	Hex Tag
LWALTBC	3B	08
LWALWA	4	
LWALWC	178	
LWAMAIL	41	01
LWAMCK	3A	02
LWAMSRM@	278	
LWANAME	48	
LWANETL	1C0	08
LWANEWPW	1C0	02
LWANFSL	42	20
LWANOLBC	1C0	01
LWANONQ	41	08
LWANOPR	40	08
LWANORDR	3B	40
LWANOSAV	1C3	02
LWANOTC	42	80
LWANOUA	1C0	80
LWANQDQ	50	
LWANUAD	40	04
LWANUADE	40	01
LWAOID	42	40
LWAOTCB	280	
LWAPAPFC	10B	40
LWAPASCB	10	
LWAPBCE	2B	
LWAPCK	3A	04
LWAPDCB	34	
LWAPECB	28	
LWAPECBP	60	
LWAPECT	20	
LWAPHASE	3A	10
LWAPHAS2	164	
LWAPLANG	1C3	08
LWAPPTR	0	
LWAPRMLB	1E8	
LWAPROSP	1E4	
LWAPSCB	18	
LWAPSW	3A	08
LWAPTGT	158	
LWAPTID	3C	
LWAPUTL	154	
LWAQTIP	3B	20
LWARACF	3A	40
LWARACI	40	40
LWARAP	184	
LWARBA	1C3	40

Table 198. Cross Reference for LWA (continued)

Name	Offset	Hex Tag
LWARBBMC	130	
LWARCDE	64	
LWARECON	1C0	20
LWARESV4	175	
LWARFLEA	1C0	10
LWARNM	49	
LWARNML	48	
LWARNM8	1DC	
LWARSV1	124	
LWARSV12	218	
LWARSV5	168	
LWARSV6	16C	
LWARTCD	44	
LWARTRAS	1C4	
LWASBCE	2F	
LWASBSYF	262	80
LWASECB	2C	
LWASECLB	1C3	20
LWASER	A0	80
LWASICSP	3B	10
LWASLANG	1C3	04
LWASOUT	42	01
LWASPASS	42	10
LWASPF	98	
LWASRWA	A4	
LWASRWAA	110	
LWASRWA1	1CC	
LWASTCB	80	
LWASTCK	150	
LWASTGEN	224	
LWASTGST	220	
LWASUBC	42	04
LWASUBH	42	08
LWASUBM	42	02
LWASUBSY	214	
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	

Table 198. Cross Reference for LWA (continued)

Name	Offset	Hex Tag
LWATCON1	7C	
LWATCPU	68	
LWATCPU1	6C	
LWATERM	244	
LWATEST	C	
LWATE2	13C	
LWATE2LD	260	08
LWATE2LN	1F0	
LWATE2ST	1E8	20
LWATE8	140	
LWATE8LD	260	04
LWATE8LN	1F2	
LWATE8ST	1E8	10
LWATMPPB	268	
LWATMPW3	10C	
LWATNBT	3B	04
LWATNS	138	
LWATNSLD	260	01
LWATNSLN	1EE	
LWATNSST	1E8	40
LWATOKEN	248	
LWATSENV	260	80
LWATSLEN	264	
LWATSOGR	10A	02
LWATSOLV	43	
LWATSRU	70	
LWATSRU1	74	
LWATSTTR	27C	
LWAT441R	1D8	
LWAUFAI	40	80
LWAUNIT	41	20
LWAVBKGD	260	10
LWAVCPPL	254	
LWAVECBP	258	
LWAVFLGS	260	
LWAVJST	25C	
LWAVTAM	3A	20
LWAWBCHR	200	
LWAWBCLN	204	
LWAWBCMA	203	
LWAWBDBQ	202	
LWAWBEQU	206	
LWAWBHID	10B	80
LWAWBLBR	200	
LWAWBQID	1C8	
LWAWBRBR	201	

Table 198. Cross Reference for LWA (continued)

Name	Offset	Hex Tag
LWAWBSLH	205	
LWAWBSPC	207	
LWAWBSPF	10A	01
LWAWCOHD	284	
LWAWHOIF	18C	
LWAXXXX	94	
LWA00026	208	
LWA00027	20C	
LWA622AB	1C0	04

MSGTABLE information

MSGTABLE programming interface information

MSGTABLE is a programming interface.

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 mapping

Table 199. Structure MSGTABLE

Offset Dec	Offset Hex	Type	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	MTCPPL	(ALSO CALLED CPPL)

Table 199. Structure MSGTABLE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
20	(14)	ADDRESS	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		MTHEXSW	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
		.... ..1.		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

Table 199. Structure MSGTABLE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .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
		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.			
36	(24)	ADDRESS	4	MTEXTRB2	AREA DESCRIBING BUFFER CONTAINING INFO FOR EXTRACT OF SECOND LEVEL MESSAGE.
		PTR TO EXTRACT BUFFER, CALLER-SUPPLIED, FOR SECOND LEVEL MESSAGE. SEE MTEXTRBF FOR DESCRIPTION. IF THERE IS NO SECOND LEVEL MESSAGE, THE LENGTH FIELD OF THE SECOND BUFFER WILL BE ZERO ON RETURN TO CALLER.			
40	(28)	CHARACTER	4	MSGID	MESSAGE ID USED TO SEARCH FOR MESSAGE TEXT IN MESSAGE CSECT
44	(2C)	ADDRESS	4	MTREPLYP	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.
48	(30)	ADDRESS	4	L1	LENGTH OF INSERT 1. MAXIMUM LENGTH IS 127.
		1...		HIGHL1	ON IF TRANSLATE FIRST 4 BYTES OF INSERT FORM HEX TO CHARACTER (IGNORE REST). SEE MTHEXSW.
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

Table 199. Structure MSGTABLE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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

Table 200. Structure RET

Offset Dec	Offset Hex	Type	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	RETCHAR	REPLY TEXT FROM PUTGET. IKJEFF02 CONVERTS REPLY TO UPPER CASE.

Table 201. Cross Reference for MSGTABLE

Name	Offset	Hex Tag
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
MTHEXSW	14	10
MTHIGH	C	80
MTINSRTS	30	
MTJOBISW	14	04
MTKEY1SW	14	08
MTNHEXSW	14	01
MTNOIDSW	14	80
MTNOXQSW	18	20

Table 201. Cross Reference for MSGTABLE (continued)

Name	Offset	Hex Tag
MTNPLMSW	18	10
MTOLDPTR	1C	
MTPGMSW	18	08
MTPUTLSW	14	40
MTREPLYP	2C	
MTSW2	18	
MTTRANS	18	01
MTWTOSW	14	20
MTWTPSW	14	02
MT2OLDSW	18	80
RET	0	
RETCHAR	2	
RETMSG	2C	
RETSIZE	0	
SW	14	
TMCTPTR	4	
VAR1	34	
VAR2	3C	
VAR3	44	
VAR4	4C	

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 mapping

Table 202. Structure OUTCOMTB

Offset Dec	Offset Hex	Type	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

Table 202. Structure OUTCOMTB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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	OUTSOBSO	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.
		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.			
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.
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(2)	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

Table 202. Structure OUTCOMTB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
156	(9C)	ADDRESS	4	OUTDAIR	PTR TO DAIR PARM LIST FOR '67

Table 202. Structure OUTCOMTB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	OHELPECB	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(2)	SAVE R13, R14 IN ESTAE EXIT
196	(C4)	SIGNED	4	OUTWORK(12)	MISC WORK AREA
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	OPRDSPDE	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

Table 203. Cross Reference for OUTCOMB

Name	Offset	Hex Tag
ALLOC	96	04
BEGINKW	92	10
CLASBUFF	F4	
DELETE	92	04
DEST	93	40
DSALLOC	75	40
DSOPEN	75	20
ENDKEEP	94	04
ENDLIST	95	08
ENDSW	94	10
EODSW	96	10
ERROR	94	08
EWAPTR	120	
HASPABND	94	01
HERE	92	20
HOLD	92	40
INTRPMSG	96	02
IOPLAREA	128	
IOPLPTR	124	

Table 203. Cross Reference for OUTCOMB (continued)

Name	Offset	Hex Tag
KEEP	93	80
KEY1	5	80
NEEDFREE	75	08
NEWCLASS	92	01
NEWDS	75	04
NEXT	92	08
NOMEMNAM	75	02
NONTERM	95	20
NOWORK	94	02
ODESTPDE	110	
OHELPECB	B0	
ONEWCPDE	10C	
OPENED	95	40
OPRDSPDE	108	
OSVDSPDE	11C	
OSYSODDN	FC	
OUTACB	38	
OUTACBL	3C	
OUTATTN	18	
OUTBKAPX	54	
OUTBKCNT	5C	
OUTBKNEW	4C	
OUTBUFA	70	
OUTBUFL	76	
OUTCLPDE	118	
OUTCMDNM	10	
OUTCOMTB	0	
OUTCPDE1	104	
OUTCPPL	0	
OUTDAIR	9C	
OUTDARB	98	
OUTDCB	64	
OUTEMPMN	20	
OUTEMPSB	40	
OUTEXTRA	1C	
OUTFLAGS	5	
OUTHOLD	44	
OUTIDSSW	96	
OUTJBPDE	114	
OUTKEYWD	92	
OUTMACN	8	
OUTMSGID	4	
OUTPDL	A0	
OUTPLIST	104	
OUTRECA	8C	
OUTRECL	90	

Table 203. Cross Reference for OUTCOMB (continued)

Name	Offset	Hex Tag
OUTRECUN	75	01
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

PGPB is a programming interface.

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 mapping

Table 204. Structure PGPB

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

PPL information

PPL programming interface information

PPL is a programming interface.

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 mapping

Table 205. Structure PPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	PPL	
		THE PARSE PARAMETER LIST (PPL) IS A LIST OF ADDRESSES PASSED FROM THE INVOKER TO PARSE VIA REGISTER 1			
0	(0)	ADDRESS	4	PPLUPT	PTR TO UPT

Table 205. Structure PPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	ADDRESS	4	PPLECT	PTR TO ECT
8	(8)	ADDRESS	4	PPLECB	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

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

- PSCBATR2
- PSCBUPT

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, IKJTSOEV 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 mapping

Table 206. Structure PSCB

Offset Dec	Offset Hex	Type	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

Table 206. Structure PSCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		PSCBJCL	SUBMIT BITS
		...1		PSCBVMNT	CNTL VOL MOUNT AUTH Y02669
		.... 1...		PSCBATTN	LINE DELETE CHAR IS ATTN Y02669
		.... .1..		PSCBRCVR	EDIT RECOVER/NORECOVER
		NOTE-- BIT PSCBRCVR IS USED DIFFERENTLY 1 MEANS NO EDIT RECOVERY CAPABILTY 0 MEANS EDIT RECOVERY CAPABILITY			
		.... ..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	SYSOUT CLASS
32	(20)	UNSIGNED	1	PSCBU8L	USERID LEN FOR PSCBUID8
33	(21)	CHARACTER	3	PSCBDRBA	ADDRESS OF USER MAIL DIRECTORY
36	(24)	SIGNED	4	*	RESERVED
40	(28)	CHARACTER	8	PSCBDEST	DEST FOR SYSOUT 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
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)	CHARACTER	8	PSCBUID8	8 CHARACTER USERID
92	(5C)	UNSIGNED	4	*	RESERVED
96	(60)	UNSIGNED	4	*	RESERVED
100	(64)	UNSIGNED	4	*	RESERVED
104	(68)	UNSIGNED	4	*	RESERVED

Table 207. Constants for PSCB

Len	Type	Value	Name	Description
7	CHARACTER	>7BYTES	PSCBUGT7	VALUE WHEN USERID LEN GREATER THAN 7

Table 208. Cross Reference for PSCB

Name	Offset	Hex Tag
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	
PSCBRCVR	10	04
PSCBRLGB	30	
PSCBRRBA	10	02
PSCBRSZ	3C	
PSCBSOUT	1F	
PSCBSUBC	1D	
PSCBSUBH	1C	
PSCBSUBM	1E	
PSCBU	40	
PSCBUID8	54	
PSCBUPT	34	
PSCBUPTL	38	
PSCBUSER	0	
PSCBUSRL	7	
PSCBU8L	20	
PSCBVMNT	10	10

PTPB information

PTPB programming interface information

PTPB is a programming interface.

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 mapping

Table 209. Structure PTPB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	PTPB	
		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			
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 mapping

Table 210. Structure R1BC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	R1BC	, - RECORD 1 OF SYS1.BRODCAST DATA SET
0	(0)	ADDRESS	4	R1BCPTRP(0)	- SAME AS R1BCPTR BELOW

Table 210. Structure R1BC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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.BRODCAST DS
12	(C)	SIGNED	2	R1BCMAX	- MAXIMUM BRODCAST MSG NO. - FROM MASTER SCHEDULER BASEA, BABCMAX
14	(E)	CHARACTER	24	R1DSN	- DATA SET NAME IN EBCDIC = ' SYS1.BRODCAST 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

Table 211. Cross Reference for R1BC

Name	Offset	Hex Tag
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 mapping

Table 212. Structure SSCS

Offset Dec	Offset Hex	Type	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
		SSCSARAY 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 (SSCSELSZ). 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 SSCSARAY ELEMENT USED FOR JOB STATUS.			
24	(18)	CHARACTER	16	SSCSARAY(1)	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..		SSCSEXCQ	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..		SSCSNJEA	JOB ACTIVE IN NJE
		11		*	RESERVED
33	(21)	CHARACTER	1	SSCSUJOB	JOBNAME CHARACTER RETURNED BY SYBSYSTEM FOR USERID AS JOBNAME
34	(22)	CHARACTER	2	*	RESERVED
36	(24)	ADDRESS	4	SSCSMPTR	POINTER TO MESSAGE RETURNED IN ARRAY

Table 213. Constants for SSCS

Len	Type	Value	Name	Description
2	DECIMAL	2	SSOBCANC	FUNCTION ID TO CANCEL JOB
2	DECIMAL	3	SSOBSTAT	FUNCTION ID TO FIND THE STATUS OF A JOB
	CANCEL/STATUS RETURN CODES (SSOBRETN)			
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 JOBNAMES 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

Table 214. Cross Reference for SSCS

Name	Offset	Hex Tag
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

STPB is a programming interface.

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 mapping

Table 215. Structure STPB

Offset Dec	Offset Hex	Type	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

Table 216. Cross Reference for STPB

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

STPL information

STPL programming interface information

STPL is a programming interface.

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 mapping

Table 217. Structure STPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	STPL	
		THE STACK PARAMETER LIST (STPL) IS A LIST OF ADDRESSES PASSED FROM THE INVOKER TO STACK VIA REGISTER 1			
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

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

- INBUF
- TPLPTR
- TSTECT
- TSTUPT

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 mapping

Table 218. Structure TCOMTAB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	808	TCOMTAB	

```
      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
  PEI0810 - Add a flag to signify that the condition
            code must be saved.
OY13125 - ADD FIELD TO SAVE THE PSW CC FOR IKJEGLDF 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
          IKJEGLST'S LSTBPT ROUTINE. ALSO ADD TWO WORDS FOR USE
          BY IKJEGLST 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
```

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.

Table 218. Structure TCOMTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
44	(2C)	ADDRESS	4	BLDLAREA	ADDRESS OF BLDL ENTRY USED BY IKJEGINT AND IKJEGLDR.
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	LENTH 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	TSTVSML	LENGTH OF AREA PASSED TO VSMLIST
116	(74)	UNSIGNED	1	TSTRTYCD	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
		THEN TESTED PROGRAM IS IN 31-BIT ADDRESSING MODE.			
	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 IKJEGLST IS VALIDITY CHECKING AN ADDRESS RANGE

Table 218. Structure TCOMTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		TREQACTV	APPC test requset active
		...1		TKEEPTP	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	IKJEGLDF 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.

Table 218. Structure TCOMTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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.
		.... .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

Table 218. Structure TCOMTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
236	(EC)	SIGNED	2	PPEXIT1	AN SVC 97 INSTRUCTION (0A61).
238	(EE)	SIGNED	2	PPEXIT2	AN SVC 3 INSTRUCTION (0A03).
240	(F0)	ADDRESS	4	TSTDCB	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
	USE OF MNL				
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	TSTVPARM	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

Table 218. Structure TCOMTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
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 ***

Table 219. Structure TCOM

Offset Dec	Offset Hex	Type	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

Table 220. Constants for TCOMTAB

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	

Table 221. Cross Reference for TCOMTAB

Name	Offset	Hex Tag
ABNDTCB	1D4	
ASMADOPP	88	
BLDLAREA	2C	
BREAKTAB	9C	
CALLPARM	C0	
CONAREA	2C	
DEFERTAB	A0	
ECBLIST	4	
ECBLOG	14	
ECBPP	0	
ECBTERM	8	
ECBTMPA	10	
ECBTMPS	C	
ECBTST	4	
ENDSW	98	02
FORGOUSE	98	40
IBMCTAB	20	
INBUF	78	
INITEINV	310	80
INTSTDDN	C8	
NOPARMS	9A	01
OPCODTAB	F4	
OUTBUF	28	
PARMLIST	5C	
PCHLSTVL	98	80
PPEXIT	EC	
PPEXIT1	EC	
PPEXIT2	EE	
PPLOAD	A4	

Table 221. Cross Reference for TCOMTAB (continued)

Name	Offset	Hex Tag
PPRB	B8	
PPTCB	1C	
PPTEMP	A8	
RANGESW	98	08
REGSAVE1	34	
REGSAVE2	38	
REGSAVE3	3C	
REGSAVE4	40	
REGSAVE5	44	
REGSAVE6	48	
REGSAVE7	27C	
REGSAVE8	280	
REGSAVE9	284	
RUNSW	98	01
RUNSW2	85	80
SICHAIN	E0	
SKIPATTN	B5	80
SMSPDSE	308	
SUBCHAIN	AC	
SYMMESG	9A	20
SYMTABLE	E8	
TADDROUT	99	08
TCOM	0	
TCOMID	0	
TCOMPREF	0	
TCOMTAB	0	
TCOMTPID	2FC	
TCSECTCK	9A	10
TDUPNAME	9A	08
TERMDD	D0	
TKEEPTP	85	10
TMPLL	54	
TMYIOMSG	99	01
TOFFDEF	99	20
TPLPTR	50	
TREQACTV	85	20
TSTA	9B	80
TSTADDR	90	
TSTALERC	264	
TSTALETY	B5	20
TSTALET1	218	
TSTALET2	21C	
TSTAMD31	84	80
TSTAMD64	85	08
TSTAMODE	84	
TSTANSPL	68	

Table 221. Cross Reference for TCOMTAB (continued)

Name	Offset	Hex Tag
TSTAQEP	110	
TSTAQUAL	108	
TSTB	9B	40
TSTBUILD	98	04
TSTCADDR	FC	
TSTCBAL	249	
TSTCBCI	252	
TSTCBCL	240	
TSTCBCN	241	
TSTCBLK	240	
TSTCBLN	24A	
TSTCONVT	8C	
TSTCPAGE	2F8	
TSTCPECB	64	
TSTCURCT	D0	
TSTCURLD	C8	
TSTCVTMG	310	40
TSTDCB	F0	
TSTDCBL	4E	
TSTDSECB	130	
TSTECOMB	2D4	
TSTECT	60	
TSTECTSV	1D8	
TSTEGARM	228	
TSTEGAR1	230	
TSTEGAR2	234	
TSTEGAR3	238	
TSTEGCOM	22C	
TSTESTAE	9B	08
TSTESTRC	57	
TSTESUBB	2D8	
TSTFIRST	98	10
TSTFLGS	98	
TSTFLGSA	85	
TSTFLGSB	86	
TSTFLGSC	87	
TSTFLGSX	84	
TSTFLGS1	98	
TSTFLGS2	99	
TSTFLGS3	9A	
TSTFLGS4	9B	
TSTFLGS5	B5	
TSTFLGS6	310	
TSTFLUSH	9B	20
TSTFOUND	B5	02
TSTFTCUR	288	

Table 221. Cross Reference for TCOMTAB (continued)

Name	Offset	Hex Tag
TSTFTOLD	2A0	
TSTFTPRT	288	
TSTFTTMP	2BC	
TSTGEN	23C	
TSTGO	B0	
TSTGOPSW	B0	
TSTGOSW	9A	80
TSTGOWCF	B4	
TSTHELP	9A	02
TSTHTCB	104	
TSTIO	80	
TSTIODCB	BC	
TSTIODSL	4C	
TSTIODSN	7C	
TSTIOPRM	16C	
TSTLDF	99	80
TSTLDFX	99	10
TSTLINK	9A	04
TSTLOOP	85	40
TSTMNLWK	134	
TSTMNLW2	304	
TSTMSGCD	220	
TSTMSGL2	B5	10
TSTMSG1N	220	
TSTMSG2N	224	
TSTNOALT	B5	40
TSTOPCD2	F8	
TSTOPCD3	100	
TSTOPCD4	1C8	
TSTOPCD5	1CC	
TSTOPCD6	1D0	
TSTOPCD7	210	
TSTOPCD8	2B8	
TSTORIGI	2F4	
TSTOTCB	104	
TSTPARM	B5	01
TSTPDECM	260	
TSTPERC	9B	02
TSTPRINT	98	20
TSTPSWCC	75	
TSTQUAL	99	02
TSTRERTN	9B	10
TSTRESCC	B5	04
TSTRSTRT	114	
TSTRTYCD	74	
TSTSRHRT	118	

Table 221. Cross Reference for TCOMTAB (continued)

Name	Offset	Hex Tag
TSTSTAE	94	
TSTSTAI	9A	40
TSTSTAX	11C	
TSTSUBCD	258	
TSTSUBLN	25E	
TSTSVC	B6	
TSTSVCAB	9B	04
TSTSVCM1	1C0	
TSTSVCM2	1C4	
TSTSWENT	2E8	
TSTSWKEY	2E8	
TSTSWLEN	2EC	
TSTSWORD	2F0	
TSTSYMAL	B5	08
TSTSYMBA	D8	
TSTSYMWK	E4	
TSTS9G01	268	
TSTTCB	18	
TSTTRN	DC	
TSTTSOC	9A	02
TSTTSOCD	254	
TSTTSOLN	25C	
TSTUPT	5C	
TSTUWENT	2DC	
TSTUWKEY	2DC	
TSTUWLEN	2E0	
TSTUWORD	2E4	
TSTVALCK	9B	01
TSTVPARM	214	
TSTVPS	216	
TSTVSMAD	6C	
TSTVSML	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 mapping

Table 222. Structure TIB

Offset Dec	Offset Hex	Type	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.
		1		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.

Table 222. Structure TIB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		TIBRAUTH	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	TIBCMDBF	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/0 BEFORE SETTING REQUESTING TASK STRUCTURE DISPATCHABLE
48	(30)	SIGNED	4	TIBRION	NUMBER OF PARAMETERS IN THE RESTORE I/O LIST
52	(34)	ADDRESS	4	TIBNXCMD	PTR TO THE NEXT COMMAND ENTERED AFTER AN ATTENTION OR ABEND
56	(38)	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

Table 222. Structure TIB (continued)

Offset Dec	Offset Hex	Type	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
		ADD ANY NEW FIELDS BEFORE THE NEXT DECLARE.			
160	(A0)	CHARACTER	0	*	ASSURE TIB ENDS ON A DOUBLE WORD BOUNDARY

Table 223. Constants for TIB

Len	Type	Value	Name	Description
		CONSTANTS FOR INITIALIZING THE CONTROL BLOCK ID AND LEVEL TIBLEVL MUST BE INCREMENTED WHEN THE TIB IS UPDATED.		
4	CHARACTER	TIB	TIBCHAR	CHARACTERS FOR INITIALIZING TIBTIB
1	DECIMAL	2	TIBLEVL	TIB LEVEL = 2
		PARALLEL PROCESSING RETURN CODES		
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)
		PARALLEL PROCESSING REASON CODES		
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 PARAMETER LIST BOTH SPECIFIED
4	DECIMAL	20	TIBPAFLE	PARAMETER LIST ABEND FLAG ERROR
4	DECIMAL	24	TIBNTSOE	NOT A TSO ENVIRONMENT
4	DECIMAL	28	TIBPFBLE	PARAMETER LIST FUNCTION BUFFER LENGTH ERROR
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

Table 223. Constants for TIB (continued)

Len	Type	Value	Name	Description
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	72	TIBNAPFC	Indicates a caller in the "PAPFC" env has requested a CMD/PGM that was not found in the table of cmds/pgms allowed in this environment.
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
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 REQEUSTS EXISTS

Table 223. Constants for TIB (continued)

Len	Type	Value	Name	Description
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

Table 224. Cross Reference for TIB

Name	Offset	Hex Tag
TIB	0	
TIBAUTHF	70	40
TIBBLDNP	5	80
TIBCAUTH	5	02
TIBCHAIN	8	
TIBCKEY	6	
TIBCMDBF	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	
TIBPSPP	C	
TIBRAUTH	7	20
TIBRC	1C	
TIBRECB	14	
TIBRECBP	14	40
TIBRIOL	2C	
TIBRION	30	
TIBRSNC	24	
TIBRT02	18	
TIBRWRK2	38	

Table 224. Cross Reference for TIB (continued)

Name	Offset	Hex Tag
TIBSTMOD	5	04
TIBTCBP	5C	
TIBTIB	0	
TIBTRAPA	68	
TIBTRAPB	7	08
TIBTVARS	7	10
TIBT02AE	5	20
TIBT08S1	5	10
TIBT08S2	5	08
TIBUPRDS	7	04
TIBVERIP	5	40

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 mapping

Table 225. Structure TMPPB

Offset Dec	Offset Hex	Type	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

Table 225. Structure TMPPB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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
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

Table 226. Structure T02_PLATFORM_ECB

Offset Dec	Offset Hex	Type	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

Table 227. Constants for TMPPB

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

Table 228. Cross Reference for TMPPB

Name	Offset	Hex Tag
TMPPB	0	
TMPPB_ATTNECB_PTR	20	
TMPPB_CMDACT_PTR	34	
TMPPB_CPECB_PTR	18	
TMPPB_ECBLIST	18	
TMPPB_FLAGS	9	
TMPPB_ID	0	

Table 228. Cross Reference for TMPPB (continued)

Name	Offset	Hex Tag
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	10	40
TMPPB_T02ECB_PTR	24	
TMPPB_T02TCB_PTR	28	
TMPPB_VERSION	8	
T02_PLATFORM_ECB	0	
T02_PLATFORM_POST	0	40

TMPWA information

TMPWA programming interface information

TMPWA is a programming interface.

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 mapping

Table 229. Structure TPL

Offset Dec	Offset Hex	Type	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	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)	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
		TMP COMMON VARIABLES AND WORK AREAS			
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
80	(50)	SIGNED	4	TMPSWS	TMP INTERNAL SWITCHES
		1...		TMPTEST	"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...		TMPSCTRL	"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

Table 229. Structure TPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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
		EQU X'01' RESERVED FLAG RESERVED AREAS			
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	PGPBPTR	PTR TO PUTGET PARM BLOCK
180	(B4)	SIGNED	4	PPLPTR	PTR TO PARSE PARM LIST
184	(B8)	SIGNED	4	PTPBPTR	PTR TO PUTLINE PARM BLOCK
188	(BC)	SIGNED	4	STPLPTR	PTR TO STACK PARM LIST
192	(C0)	SIGNED	4	ACEEPTR	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	STPBPTR	ADDR OF STACK PARM LIST
		RESERVE SPACE FOR PARAMETER LISTS, BLOCKS			
248	(F8)	DBL WORD	8	(0)	ALIGN TO DOUBLEWORD

Table 229. Structure TPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
248	(F8)	CHARACTER	41	ABMSGSP	MESSAGE AREA
	PUTLINE ACTIVE SEGMENT LIST LIST				
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

Table 229. Structure TPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	OPENSP(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
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
	WORK AREA FOR TMP-CALL FUNCTION				
1480	(5C8)	SIGNED	4	CALLWA(0)	
	PROBLEM PROGRAM WORK AREA FOR CALL FUNCTION				
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	
	CALL INTERNAL WORK AREA				
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	DAPB0PTR	
	MEMBER NAME SEGMENT FOR MESSAGE				
1652	(674)	SIGNED	4	MBRSEG(0)	NAME OF AREA

Table 229. Structure TPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1652	(674)	SIGNED	2	MBRSLEN	SEGMENT LENGTH
1654	(676)	SIGNED	2	MBRSOFF	SEGMENT OFFSET
1656	(678)	CHARACTER	8	MBRSTXT	MEMBER NAME TEXT
		MEMBER NAME SEGMENT FOR DAIR			
1664	(680)	SIGNED	4	MBRDSEG(0)	NAME OF AREA
1664	(680)	SIGNED	2	MBRDLEN	SEGMENT LENGTH
1666	(682)	CHARACTER	8	MBRDTXT	NAME TEXT
		DATA SET NAME SEGMENT FOR MESSAGE			
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	DSSGTXT	DATA SET NAME TEXT
		RETURN CODE RESERVE AREAS			
1724	(6BC)	SIGNED	4	BLDLRC	FOR BLDL 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
		TMP RESTRUCTURE WORK AREAS			
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	TMPECBL2(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)	
		TMP PTF			
1772	(6EC)	ADDRESS	4	TMPECBAT	TMP ATTN ECB
1776	(6F0)	SIGNED	4	TMPSCECB	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	TMPECBL3(0)	

Table 229. Structure TPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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

Table 230. Structure TMPWRKA2

Offset Dec	Offset Hex	Type	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	ASXBPTR	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	CMDACTP	PTR SRM PARM LIST
76	(4C)	ADDRESS	4	TMPT043	PTR TO ESTAI MSG RTN
		TMP MAINLINE FLOW CONTROL FLAGS			
80	(50)	CHARACTER	4	FLOFLGS	
80	(50)	X'50'	0	FLOFLGS1	"FLOFLGS"
		EQU X'80' EQU X'40'			
		..1.		DOLIST	"X'20'"
		...1		DOGETC	"X'10'"
		.... 1...		DODONE	"X'08'"
		.... .1..		DOINVOK	"X'04'"

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		DOSCAN	"X'02'"
	EQU X'01'				
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'"
	EQU X'01'				
80	(50)	X'52'	0	FLOFLGS3	"FLOFLGS+2"
	EQU X'80'				
		.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)	ADDRESS	4	TMP2RWAP	IKJEFTOP Recovery Work Area ptr to RECOV_WA, which contains the IKJEFTOP ESTAE parm, namely TOP_PARMWA. Area is Gotten/Freed by IKJEFT01.
96	(60)	SIGNED	4		RESERVED
		TEMPORARY SAVE AREAS FOR CALL LINK REGISTERS SAVE AREAS FOR TMP-CALL			
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	
		SAVE AREAS FOR TMP MAINLINE LINK REGISTERS			
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	

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
	CONTROL FLAGS				
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
	EQU X'80' Hi-order bit is now reserved				
		.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...		TMP2SVCI	"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 DYNALLOC 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

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	TMPTEST@	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
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

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
408	(198)	CHARACTER	4	TMP2DBUG(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 PARAMTERS
		.1..		TMP2WRIT	"X'40'" WRITING PARAMETERS
		..1.		TMP2MAIN	"X'20'" MAINLINE
		...1		TMP2PAGE	"X'10'" READING FUNCTION BUFF
		.... 1...		TMP2PGM	"X'08'" READING PGMPARMS
		.... .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

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
415	(19F)	CHARACTER	1	TMP2FTSC	IKJEFTSC FUNCTION IN CONTROL
		1...		TMP2FISC	"X'80'" IKJEFTSC INITIALIZATION
		.1..		TMP2FBSC	"X'40'" IKJEFTSC IN CONTROL AFTER WAIT OF TIBRECB AND BEFORE TERMINATION CODE
		..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
428	(1AC)	ADDRESS	4	TMP2RBSC	BEGINNING OF IKJEFTSC, SET BY IKJEFT01
432	(1B0)	ADDRESS	4	TMP2RWSC	AFTER WAIT BEFORE TERMINATION CODE IN IKJEFTSC, SET BY IKJEFT01
436	(1B4)	ADDRESS	4	TMP2RW02	AFTER WAIT ON TIBRECB: SET BY IKJEFT02

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
440	(1B8)	ADDRESS	4	TMP2RT02	TERMINATION CODE IN IKJEFT02 IN ORDER TO RETURN TO IKJEFT01 FOR A RETRY, SET BY IKJEFT02
444	(1BC)	ADDRESS	4	TMP2RTPV	TERMINATION CODE IN IKJEFTPV IN ORDER TO RETURN TO IKJEFTSC, SET BY IKJEFT02
448	(1C0)	CHARACTER	16	TMP2MRG1(0)	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)	ADDRESS	4	TMP2RG01	ADDRESS IKJEFT01'S REGISTERS
452	(1C4)	ADDRESS	4	TMP2RGSC	ADDRESS IKJEFTSC'S REGISTERS
456	(1C8)	ADDRESS	4	TMP2RG02	ADDRESS IKJEFT02'S REGISTERS
460	(1CC)	ADDRESS	4	TMP2RGPV	ADDRESS IKJEFTPV'S REGISTERS
464	(1D0)	ADDRESS	4	TMP2RET@	TO INDICATE RETRY ADDRESS ON SETRP 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
		1...		TMP2CLR	"X'80'" FLAGS NEEDED USED BY TSC TO INDICATE WHAT IS DONE TO INITIATE PARALLEL SIDE
		.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

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
		THE FOLLOWING ARE FOR IKJEFTP2 LINKS TO IRXESTK1			
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
		THE FOLLOWING ARE FOR IKJEFT08 LINKS TO IRXESTK1			
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
880	(370)	SIGNED	4	SAVLNKO	FOR IKJEFT08
884	(374)	SIGNED	4	TMP2RSVD	RESERVED
888	(378)	CHARACTER	24	TMP2EDST(0)	Storage for IKJEFT08 subrtns TIBENQ and TIBDEQ and IKJEFTP2 subrtns 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

Table 230. Structure TMPWRKA2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		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
		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			
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'"

Table 231. Cross Reference for TMPWA

Name	Offset	Hex Tag
ABMSGSP	F8	
ABND806	50	4
ACEEPTR	C0	
ACTSEG	124	
ACTSEGA	124	124
ACTSEGB	124	126
ACTSL	124	
AMSGLIST	194	
AMSGSEG	198	
ANUMSEG	194	
ARCODE	1A0	
ASCANAP	C4	
ASCANFLG	1A4	
ASCBPTR	34	
ASRPARM	1A8	
ASRPLPTR	C8	
ASXBPTR	38	
ATCHNOW	50	80
ATTCHPTR	CC	
ATTCHSP	1BC	
ATTEXC2	A9	20
BKGMODE	A8	80
BLANKB	50	10
BLDLELNG	206	
BLDLENT	204	
BLDLLST	204	

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
BLDLNAME	208	
BLDLRC	6BC	
BLDLTMP_R	212	
BLDLTMP_TT	210	
BLDLTTRZ	210	
CALLNOW	50	8
CALLSWS	50	53
CALLWA	5C8	
CDCBPTR	D0	
CDCBSP	248	
CLOSESP	2D4	
CMDACTP	48	
CPABECB	6D8	
CPPLPTR	98	
CPPLSP	2E0	
CRCODE	6C8	
CSOAPTR	9C	
CSOASP	2F0	
CSOASP2	2F8	
CSPLPTR	A0	
CSPLSP	300	
CSPLSP2	318	
CTLBKSP	330	
CTLBLKA	334	
CTLBLKL	330	
CTLBLKN	338	
DAIRRC	6C0	
DAPBSP	33C	
DAPB0PTR	670	
DAPLPTR	A4	
DAPLSP	390	
DCBPTR	D4	
DCBSP	3A8	
DIDCALL	19B	10
DOACTV	50	10
DOATTN	50	2
DOCHKAT	50	8
DOCHKCP	50	2
DODONE	50	8
DOFRECB	50	40
DOGETC	50	10
DOIMPLX	50	40
DOINVOK	50	4
DOLIST	50	20
DOPSTRT	50	20
DOPUTM	50	80

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
DORELS	50	8
DOSCAN	50	2
DOSETBF	50	10
DOSETTB	50	8
DOTEST	50	20
DOWAIT	50	4
DRSAPF	A8	40
DSNBUF	63E	
DSNBUFFR	63C	
DSNLENG	63C	
DSOPEN	50	40
DSSEG	68C	
DSSGLEN	68C	
DSSGOFF	68E	
DSSGTXT	690	
DYNAPPTR	D8	
DYNASP	434	
DYNATUB	45C	
EBCDPTR	DC	
ECBLPTR	6DC	
ECTPTR	2C	
ECTSP	460	
FLOFLGS	50	
FLOFLGS1	50	50
FLOFLGS2	50	51
FLOFLGS3	50	52
FLOFLGS4	50	53
FMLCSP	498	
FRSTEX	50	10
FRSTLAB	50	2
GMBRNOW	50	4
GTPBPTR	A8	
GTPBSP	4A4	
IOPLPTR	AC	
JSCBPTR	44	
LENPARM	5CC	
LINKNOW	50	20
LOADNOW	50	40
LWAPTR	40	
LWAPTR1	58	
MBRDLEN	680	
MBRDSEG	680	
MBRDTXT	682	
MBRSEG	674	
MBRSLEN	674	
MBRSOFF	676	

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
MBRSTXT	678	
MCFLGS1	A8	
MCTLFLGS	A8	
MDYNASP	C8	
MODEMSP	5A0	
MODESSP	4AC	
MSGNO	66C	
MTPL	AC	
MTPLCBUF	AC	
MTPLECT	B8	
MTPLPS	B0	
MTPLPSCB	B4	
MTPLUPT	B0	
NONSCUR	50	1
NXTCMD	4B0	
OPENSP	4B8	
PARMFLD	5CC	
PARMS	5CE	
PARSPARM	634	
PCFDA	50	2
PDLADDR	634	
PDLADDR2	638	
PDLPRES	50	80
PGPBPTR	B0	
PGPBSP	4C4	
PPLIST	5C8	
PPLPTR	B4	
PPLSP	4D4	
PPWORKAR	5C8	
PRSMSSP	4F0	
PSCBPTR	30	
PTPBPTR	B8	
PTPBSP	4FC	
PUTLRC	6C4	
RCODE	508	
READYPTR	E0	
RESCOMM	5C	
RESCOM2	64	
RESCOM3	74	
RESCOM4	84	
RESERVE5	1A3	
RLGBPTR	3C	
RTRYSA	BC	
RTRY51	BC	
RTRY52	C0	
RTRY53	C4	

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
R1PGMLST	19B	8
R3SAVE	50C	
SAVAR	510	
SAVARPTR	C	
SAVLNKA	78	
SAVLNKB	7C	
SAVLNKC	80	
SAVLNKD	84	
SAVLNKE	88	
SAVLNKF	8C	
SAVLNKG	90	
SAVLNKH	94	
SAVLNKJ	98	
SAVLNKK	9C	
SAVLNKL	A0	
SAVLNKM	A4	
SAVLNKN	330	
SAVLNKO	370	
SAVLNKRS	78	
SAVRA	64	
SAVRB	68	
SAVRC	6C	
SAVRM	70	
SCANAP	E4	
SCANFLG	548	
SKPATTN	50	1
SNAPSP	54C	
SRPLPTR	E8	
STAXPPTR	28C	
STPBPTR	F0	
STPBSP	574	
STPLPTR	BC	
STPLSP	58C	
SVLNKE	74	
SWBIT	5C8	
SYNCHSP	290	
TCBPTR	24	
TEPKEY	20	
TMPABECB	148	
TMPACTRL	50	10
TMPAECB	48	
TMPAECB2	6E8	
TMPAECB3	71C	
TMPAPF	134	8
TMPAPFCK	19B	40
TMPARALL	19B	80

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
TMPBIT07	134	1
TMPBLDAT	FC	
TMPBLDL	F0	
TMPBLDN	F2	
TMPBLDNM	F4	
TMPBLDNR	F0	
TMPBUFF@	180	
TMPCALST	140	
TMPCECB	40	
TMPCECB2	6E0	
TMPCECB3	718	
TMPCMDW	50	40
TMPCMDWT	4C	
TMPCP	134	80
TMPCPABN	134	10
TMPCPCAL	134	40
TMPCPPL@	144	
TMPCPTST	134	20
TMPCTCB	6CC	
TMPDE	134	4
TMPDETCH	19B	4
TMPECBAT	6EC	
TMPECBL2	6E0	
TMPECBL3	714	
TMPECB2	6D4	
TMPFLAG1	134	
TMPFLAG2	135	
TMPFLAG3	136	
TMPFLAG4	137	
TMPFLG1	19B	
TMPFORCE	135	80
TMPIECB	44	
TMPIECB2	6E4	
TMPLOAD	19B	20
TMPNECB	3C	
TMPNFCMD	50	20
TMPRESV7	19B	2
TMPRESV8	19B	1
TMPR15RC	6FC	
TMPSCECB	6F0	
TMPSCTRL	50	8
TMPSPLS	150	
TMPSTAI	14C	
TMPSWAIT	6F0	80
TMPSWS	50	
TMPTECB	6D0	

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
TMPTECB3	714	
TMPTEST	50	80
TMPTEST@	138	
TMPTIME	10	
TMPTSKLB	13C	
TMPTSKRC	154	
TMPTSTAU	134	2
TMPT04	14	
TMPT042	18	
TMPT043	4C	
TMPT05	1C	
TMPT9ECB	54	
TMPURPA	58	
TMPWA2P	8	
TMPWRKA1	38	0
TMPWRKA2	0	
TMPW1LEN	178	
TMPW2LEN	17C	
TMPZEROS	59C	
TMP1ABNC	704	
TMP1CDCA	768	
TMP1ECB2	6F4	
TMP1END	790	
TMP1LEV	710	
TMP1NAME	708	
TMP1RSNC	700	
TMP1TIME	50	4
TMP1TQ2S	720	
TMP1TSFE	50	80
TMP2AECB	174	
TMP2ATIB	16C	
TMP2ATNP	15C	
TMP2CAFP	1E8	
TMP2CLR	1D8	80
TMP2CODE	19A	4
TMP2DAL@	33C	
TMP2DAL2	360	
TMP2DAT@	338	
TMP2DATA	344	
TMP2DATL	348	
TMP2DAT2	35C	
TMP2DA2@	350	
TMP2DBUG	198	
TMP2DL2@	354	
TMP2DMPF	1AA	8000
TMP2DONE	19A	1

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
TMP2DYDC	394	
TMP2EDST	378	
TMP2END	3B8	
TMP2ENDQ	380	
TMP2ENQR	378	
TMP2ET01	3B8	1
TMP2ET1A	3B8	2
TMP2ET1B	3B8	3
TMP2ET1I	3B8	A
TMP2EXDP	36C	
TMP2FAIL	1AA	
TMP2FBSC	19F	40
TMP2FCTL	19E	
TMP2FFLG	198	
TMP2FISC	19F	80
TMP2FI01	19E	80
TMP2FLBC	1A6	2000
TMP2FLIC	1A6	4000
TMP2FLI1	1A6	8000
TMP2FLRC	1A6	
TMP2FLTV	1A6	800
TMP2FL02	1A6	1000
TMP2FSUV	1A1	80
TMP2FTMC	19F	20
TMP2FTM1	19E	40
TMP2FTPV	1A1	
TMP2FTSC	19F	
TMP2FT01	19E	
TMP2FT02	1A0	
TMP2FT08	1A2	
TMP2FU@2	34C	
TMP2FUN@	334	
TMP2FUNC	340	
TMP2FUN2	358	
TMP2INIT	1D8	10
TMP2LEV	194	
TMP2MAIN	19A	20
TMP2MCAF	19C	400
TMP2MCTL	19C	
TMP2MECB	170	
TMP2MRG1	1C0	
TMP2MRG2	1EC	
TMP2MTPV	19C	1000
TMP2MTSC	19C	4000
TMP2MT01	19C	8000
TMP2MT02	19C	2000

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
TMP2MT08	19C	800
TMP2NAME	18C	
TMP2NPAR	199	80
TMP2NTSL	A8	10
TMP2PAGE	19A	10
TMP2PARM	160	
TMP2PGM	19A	8
TMP2PLEN	188	
TMP2POST	198	8
TMP2PPTR	184	
TMP2PRO1	364	
TMP2PRO2	368	
TMP2PUR	198	80
TMP2RBSC	1AC	
TMP2RCOV	19C	
TMP2READ	19A	80
TMP2REC	1D8	40
TMP2RET@	1D0	
TMP2RGPV	1CC	
TMP2RGP2	1EC	
TMP2RGQ2	390	
TMP2RGSC	1C4	
TMP2RG01	1C0	
TMP2RG02	1C8	
TMP2RINT	1D8	8
TMP2RSVD	374	
TMP2RTPV	1BC	
TMP2RTRY	1AC	
TMP2RT02	1B8	
TMP2RWAP	5C	
TMP2RWSC	1B0	
TMP2RW02	1B4	
TMP2SA@	164	
TMP2SLBC	1A8	2000
TMP2SLIC	1A8	4000
TMP2SLPV	1A8	400
TMP2SLRC	1A8	
TMP2SL01	1A8	8000
TMP2SL02	1A8	1000
TMP2SL08	1A8	800
TMP2SRCT	1D8	20
TMP2SR14	1D4	
TMP2STAT	198	40
TMP2SVCI	A9	8
TMP2SYN1	A9	2
TMP2SYN2	A9	1

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
TMP2TAIE	1DC	
TMP2TCBA	378	
TMP2TIB@	168	
TMP2TPSA	1F0	
TMP2TPS2	238	
TMP2TPS3	2A0	
TMP2TPVR	19A	2
TMP2TP2W	1E4	
TMP2TSCA	A9	10
TMP2TSCF	1AA	4000
TMP2TSC2	1D8	
TMP2TSFC	A9	40
TMP2TSFG	198	
TMP2TSFR	1A6	400
TMP2TSLB	A8	20
TMP2TSP	1E0	
TMP2T01E	398	
TMP2T02A	37C	
TMP2T02F	1AA	2000
TMP2T08S	2E8	
TMP2T5RF	3A4	
TMP2T5R0	39C	
TMP2T5R1	3A0	
TMP2T5WL	3A8	
TMP2T5W1	3AC	
TMP2VFPR	19A	
TMP2VTPV	3B8	1000
TMP2VTSC	3B8	4000
TMP2VT01	3B8	8000
TMP2VT02	3B8	2000
TMP2VT08	3B8	800
TMP2WAIT	198	10
TMP2WA2S	198	2
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	

Table 231. Cross Reference for TMPWA (continued)

Name	Offset	Hex Tag
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 ACRONYM: 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 mapping

Table 232. Structure TMP3

Offset Dec	Offset Hex	Type	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	SHOWS HOW THE ESTAE IS SET-UP BY IKJEFT01, IKJEFTSC YES: CANCEL=YES NO: CANCEL=NO
		.... .111		*	R E S E R V E
6	(6)	BITSTRING	1	TMP3RS02	RESERVED
7	(7)	1...		TMP3TBIU	TMP TIB IN USE BIT MAINTAINED BY IKJEFTP2 AND IKJEFT08
		.1..		TMP3TSFA	AN ATTENTION OCCURRED WHILE IN TSF/ CLIST MODE, AN AUTHORIZED COMMAND WAS PROCESSING, AND THERE WAS NO CLIST ATTENTION ROUTINE. THIS INDICATES THAT THE PARALLEL TMP SHOULD BE TERMINATED. SET BY IKJEFT03, CHECKED AND RESET BY IKJEFTP2.
		..1.		TMP3TIP	TERMINATION IN PROGRESS AT THE T01 TASK LEVEL
		...1 1111		TMP3RS03	RESERVED
8	(8)	CHARACTER	4	TMP3PECB	ECB USED TO INITIATE PARALLEL TMP PROCESSING
		1...		*	ECB WAIT BIT
		.1..		TMP3PECP	PARALLEL PROCESSING ECB POST BIT
8	(8)	BITSTRING	3	*	ECB COMPLETION CODE
12	(C)	ADDRESS	4	TMP3AT02	TCB ADDR FOR THE T02 CURRENTLY ACTIVE
16	(10)	ADDRESS	4	TMP3TIBQ	ADDR OF THE FIRST BLOCK ON THE TIB (TMP INTERFACE BLOCK) QUEUE

Table 232. Structure TMP3 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
20	(14)	ADDRESS	4	TMP3WKA2	PTR TO AN IMAGE OF TMPWRKA2 USED TO INITIALIZE THE TMP WORK AREAS PASSED TO THE PARALLEL T02
24	(18)	ADDRESS	4	TMP3ENVB	PTR TO TSO REXX ENVBLOCK
28	(1C)	ADDRESS	4	TMP3WRK2	PTR TO A TMPWRKA2 (KEY 1) USED BY T01
32	(20)	ADDRESS	4	TMP3WA2	PTR TO T02'S PROTECTED WORKAREA
36	(24)	ADDRESS	4	TMP3AW2	PTR TO ACTIVE T02 PROTECTED WORKAREA NEED BY ATTN EXIT IN TSC TO GET ACCESS TO UNPROTECTED WORKAREA TO POST ATTN ECB
40	(28)	CHARACTER	4	TMP3AECB	ECB USED TO INITIATE CONSOLE AUTHORIZED TASK
		1...		*	ECB WAIT BIT
		.1..		TMP3AECP	ATTACH CONSOLE TASK ECB POST BIT
40	(28)	BITSTRING	3	*	ECB COMPLETION CODE
44	(2C)	CHARACTER	4	TMP3DECB	ECB POSTED BY RTM WHEN THE CONSOLE AUTHORIZED TASK TERMINATES
		1...		*	ECB WAIT BIT
		.1..		TMP3DECP	DETACH CONSOLE TASK ECB POST BIT
44	(2C)	BITSTRING	3	*	ECB COMPLETION CODE
48	(30)	CHARACTER	4	TMP3TECB	TSOLIB's ECB - used to initiate a TSOLIB request within the TMP.
		1...		*	TSOLIB ECB wait bit
		.1..		TMP3TECP	TSOLIB ECB post bit
48	(30)	BITSTRING	3	*	TSOLIB ECB completion code
52	(34)	ADDRESS	4	TMP3FREE(11)	Room reserved for later use.
		ADD ANY NEW FIELDS BEFORE THE NEXT DECLARE.			
96	(60)	CHARACTER	0	*	ASSURE TMP3 ENDS ON A DOUBLE WORD BOUNDARY

Table 233. Constants for TMP3

Len	Type	Value	Name	Description
		CONSTANTS FOR INITIALIZING THE CONTROL BLOCK ID AND LEVEL TMP3LEVL MUST BE INCREMENTED WHEN THE TMP3 IS UPDATED.		
4	CHARACTER	TMP3	TMP3CHAR	CHARACTERS FOR INITIALIZING TMP3TMP3
1	DECIMAL	3	TMP3LEVL	TMP3 LEVEL = 3

Table 234. Cross Reference for TMP3

Name	Offset	Hex Tag
TMP3	0	
TMP3AECB	28	
TMP3AECP	28	40
TMP3ATTN	5	80
TMP3AT02	C	
TMP3AW2	24	
TMP3DECB	2C	
TMP3DECP	2C	40
TMP3ENVB	18	

Table 234. Cross Reference for TMP3 (continued)

Name	Offset	Hex Tag
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

TPL is a programming interface.

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 mapping

Table 235. Structure TPL

Offset Dec	Offset Hex	Type	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

Table 236. Cross Reference for TPL

Name	Offset	Hex Tag
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

TPLE is a programming interface.

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 mapping

Table 237. Structure TPLE

Offset Dec	Offset Hex	Type	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 NEW COMMAND BUFFER PARAMETER
12	(C)	ADDRESS	4	TPLECOMW	PTR TO THE TESTAUTH INITIALIZA- TION EXIT COMMUNICATION WORD PARAMETER
16	(10)	CHARACTER	16	TPLERSVD	RESERVED

Table 238. Cross Reference for TPLE

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

TSP information

TSP programming interface information

TSP is a programming interface.

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 mapping

Table 239. Structure TSP

Offset Dec	Offset Hex	Type	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	TSPCLOSS	"256" CLOSE DATA SET WITH SYNAD EXIT
8	(8)	X'101'	0	TSPCLOSE	"257" CLOSE DATA SET
8	(8)	X'102'	0	TSPCLOSF	"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

Table 239. Structure TSP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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
		SET THE TSPTYPE WITH ONE OF THE FOLLOWING CONSTANTS TO INDICATE THE TYPE OF FUNCTION THAT WILL BE PERFORMED			
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

Table 240. Cross Reference for TSP

Name	Offset	Hex Tag
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

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

- TSVTVACC

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 mapping

Table 241. Structure TSVT

Offset Dec	Offset Hex	Type	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	1	TSVTUMXL	USERID MAX LENGTH <7 MEANS 7
7	(7)	CHARACTER	1	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
		TSO/E R2.1 SUPPORT			
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

Table 241. Structure TSVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	TSVTPTGT	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	TSVTTPVT	Address of TPVT
80	(50)	ADDRESS	4	TSVTRCVY	Address of Recovery Routine IKJCMDRC
84	(54)	ADDRESS	4	TSVTTRAN	IKJTRANS
88	(58)	CHARACTER	8	TSVTBCMT	Member Token for Broadcast Notice XCF Group
		TSO/E R3 SUPPORT			
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
		TSO/E R4 SUPPORT			
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	TSVTTO00	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	TSVTINOU	Address of IRXINOUT
168	(A8)	ADDRESS	4	TSVTLOA	Address of IRXLOAD
172	(AC)	ADDRESS	4	TSVTTER	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

Table 241. Structure TSVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
188	(BC)	ADDRESS	4	TSVTTERM	Address of IRXTERMA
192	(C0)	ADDRESS	4	TSVTETVP	Address of Exit & Vector Table
196	(C4)	ADDRESS	4	TSVTTSFI	Address of IKJEFTSI
200	(C8)	ADDRESS	4	TSVTTSFT	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 parmlib 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
		TSO/E Free Space			
268	(10C)	SIGNED	4	(7)	Reserved
296	(128)	DBL WORD	8	TSVTEND(0)	ASSURE TSVT ENDS ON DOUBLE WORD BOUNDRY
296	(128)	X'8'	0	TSVTCLEV	"8" CURRENT LEVEL OF THE TSVT
		THE FOLLOWING DECLARATIONS DEFINE THE ENTRY AND RETURN CODES USED BY THE CLIST VARIABLE ACCESS ROUTINE (POINTED TO BY TSVSVACC). ENTRY CODES			
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
		RETURN CODES			
296	(128)	X'0'	0	TSVROK	"0" EVERY THING 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

Table 241. Structure TSVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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	TSVRPARM	"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
		FLAG INDICATORS FOR TSVTFLG1			
		1...		TSVTNCTU	"X'80'" Instorage copy of system notices needs to be updated
		.1..		TSVTNETL	"X'40'" None of the TSO/E Exits were found in LPA/ELPA
		..1.		TSVTUPDP	"X'20'" IKJBCMSG posted for parmlib 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
		1		TSVTLGPC	"X'01'" PASSWORDPREPROMPT is active

Table 242. Cross Reference for TSVT

Name	Offset	Hex Tag
TSVELOC	128	3
TSVERETR	128	1
TSVERSVD	128	4
TSVEUPDT	128	2
TSVIREXX	128	50
TSVNOIMP	128	12
TSVRDUP	128	30
TSVRENV	128	28
TSVREVAL	128	8
TSVREXXE	128	51

Table 242. Cross Reference for TSVT (continued)

Name	Offset	Hex Tag
TSVRGETF	128	20
TSVRGLER	128	38
TSVRINVR	128	40
TSVRLAB	128	C
TSVRNAUP	128	10
TSVRNOM	128	14
TSVRNORS	128	4
TSVRNSIZ	128	24
TSVROK	128	0
TSVRPARM	128	2C
TSVRPROC	128	18
TSVRSVD2	128	1E
TSVRUNDF	128	34
TSVRUNDG	128	3C
TSVRUNDR	128	44
TSVT	0	
TSVTADTB	7C	
TSVTAPPC	E8	
TSVTAPPL	128	4
TSVTASF	10	
TSVTBCMT	58	
TSVTBECB	E4	
TSVTCAF	60	
TSVTCLEV	128	8
TSVTCTAB	20	
TSVTCTDB	68	
TSVTCTIO	1C	
TSVTEF02	48	
TSVTEND	128	
TSVTESTK	84	
TSVTETVP	C0	
TSVTEXCO	B8	
TSVTEXE	A0	
TSVTFLA1	18	
TSVTFLG1	5	
TSVTFTS2	9C	
TSVTGETL	34	
TSVTINIT	8C	
TSVTINOU	A4	
TSVTLEV	4	
TSVTLGNH	128	2
TSVTLGPC	128	1
TSVTLMOD	67	
TSVTLOA	A8	
TSVTLREL	65	
TSVTLTBL	14	

Table 242. Cross Reference for TSVT (continued)

Name	Offset	Hex Tag
TSVTLVER	64	
TSVTMDT@	F8	
TSVTMSGI	B4	
TSVTMSR0	F4	
TSVTMSTR	E0	
TSVTNCT	8	
TSVTNCTU	128	80
TSVTNETL	128	40
TSVTOLAR	90	
TSVTPARS	44	
TSVTPCN1	CC	
TSVTPCN2	F0	
TSVTPHRS	128	8
TSVTPTGT	30	
TSVTPUTL	2C	
TSVTRAF	70	
TSVTRCVY	50	
TSVTRIF	6C	
TSVTRSV1	7	
TSVTRTRP	74	
TSVTSCAN	40	
TSVTSECB	FC	
TSVTSNTA	D0	
TSVTSTCK	38	
TSVTSUBC	B0	
TSVTSVTA	D4	
TSVTSWAS	100	
TSVTSWCB	108	
TSVTSWCH	128	10
TSVTSWWA	104	
TSVTSYML	D8	
TSVTTBLR	80	
TSVTTBLS	78	
TSVTTER	AC	
TSVTTERM	BC	
TSVTTO00	94	
TSVTTPVT	4C	
TSVTTRAN	54	
TSVTTSFI	C4	
TSVTTSFT	C8	
TSVTTSL	3C	
TSVTTSOL	64	
TSVTTSVT	0	
TSVTTVAR	88	
TSVTT44X	98	
TSVTT440	24	

Table 242. Cross Reference for TSVT (continued)

Name	Offset	Hex Tag
TSVTT441	28	
TSVTUMXL	6	
TSVTUPDP	128	20
TSVTURPS	EC	
TSVTVACC	C	
TSVTXCFU	DC	

UPT information

UPT programming interface information

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

- UPTLNGFL

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 mapping

Table 243. Structure UPT

Offset Dec	Offset Hex	Type	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

Table 243. Structure UPT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .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
		...1 1...		UPTV0LEN	"X'00000018'" LENGTH OF VERSION 0 UPT
16	(10)	CHARACTER	7	UPTPREFX	DSNAME PREFIX Y02669
Value is '>7BYTES' WHEN PREFIX LEN GREATER THAN 7 - See UPTPGT7					
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	8	UPTPREF8	8 CHARACTER PREFIX
41	(29)	BITSTRING	1	UPTPRF8L	LENGTH OF PREFIX
		.... .111		UPTPREFM	"X'07'" MAXIMUM PREFIX LENGTH (for UPTPREFL)
		.... 1...		UPTPRF8M	"X'08'" MAXIMUM PREFIX LENGTH (for UPTPRF8L)
42	(2A)	CHARACTER	14		RESERVED

Table 244. Cross Reference for UPT

Name	Offset	Hex Tag
UPT	0	
UPTALD	C	4
UPTCDEL	D	
UPTLDEL	E	
UPTLEN	0	
UPTLNGFL	1E	
UPTMID	C	20
UPTMODE	C	2
UPTNCOM	C	10

Table 244. Cross Reference for UPT (continued)

Name	Offset	Hex Tag
UPTNPRM	C	40
UPTPAUS	C	8
UPTPLANG	18	
UPTPLNGS	1E	2000
UPTPREFL	17	
UPTPREFM	29	7
UPTPREFX	10	
UPTPREF8	21	
UPTPRF8L	29	
UPTPRF8M	29	8
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
UPTV0LEN	F	18
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 mapping

Table 245. Structure USDIR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	USDIR	, - USER MAIL DIRECTORY RECORD

Table 245. Structure USDIR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
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 mapping

Table 246. Structure USMSG

Offset Dec	Offset Hex	Type	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)

Appendix A. Accessibility

Accessible publications for this product are offered through IBM Documentation (www.ibm.com/docs/en/zos).

If you experience difficulty with the accessibility of any z/OS information, send a detailed message to the Contact the z/OS team web page (www.ibm.com/systems/campaignmail/z/zos/contact_z) or use the following mailing address.

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Department H6MA, Building 707
2455 South Road
Poughkeepsie, NY 12601-5400
United States

Accessibility features

Accessibility features help users who have physical disabilities such as restricted mobility or limited vision use software products successfully. The accessibility features in z/OS can help users do the following tasks:

- Run assistive technology such as screen readers and screen magnifier software.
- Operate specific or equivalent features by using the keyboard.
- Customize display attributes such as color, contrast, and font size.

Consult assistive technologies

Assistive technology products such as screen readers function with the user interfaces found in z/OS. Consult the product information for the specific assistive technology product that is used to access z/OS interfaces.

Keyboard navigation of the user interface

You can access z/OS user interfaces with TSO/E or ISPF. The following information describes how to use TSO/E and ISPF, including the use of keyboard shortcuts and function keys (PF keys). Each guide includes the default settings for the PF keys.

- *z/OS TSO/E Primer*
- *z/OS TSO/E User's Guide*
- *z/OS ISPF User's Guide Vol I*

Dotted decimal syntax diagrams

Syntax diagrams are provided in dotted decimal format for users who access IBM Documentation with a screen reader. In dotted decimal format, each syntax element is written on a separate line. If two or more syntax elements are always present together (or always absent together), they can appear on the same line because they are considered a single compound syntax element.

Each line starts with a dotted decimal number; for example, 3 or 3.1 or 3.1.1. To hear these numbers correctly, make sure that the screen reader is set to read out punctuation. All the syntax elements that have the same dotted decimal number (for example, all the syntax elements that have the number 3.1)

are mutually exclusive alternatives. If you hear the lines `3.1 USERID` and `3.1 SYSTEMID`, your syntax can include either `USERID` or `SYSTEMID`, but not both.

The dotted decimal numbering level denotes the level of nesting. For example, if a syntax element with dotted decimal number 3 is followed by a series of syntax elements with dotted decimal number 3.1, all the syntax elements numbered 3.1 are subordinate to the syntax element numbered 3.

Certain words and symbols are used next to the dotted decimal numbers to add information about the syntax elements. Occasionally, these words and symbols might occur at the beginning of the element itself. For ease of identification, if the word or symbol is a part of the syntax element, it is preceded by the backslash (\) character. The `*` symbol is placed next to a dotted decimal number to indicate that the syntax element repeats. For example, syntax element `*FILE` with dotted decimal number 3 is given the format `3 \* FILE`. Format `3* FILE` indicates that syntax element `FILE` repeats. Format `3* \* FILE` indicates that syntax element `* FILE` repeats.

Characters such as commas, which are used to separate a string of syntax elements, are shown in the syntax just before the items they separate. These characters can appear on the same line as each item, or on a separate line with the same dotted decimal number as the relevant items. The line can also show another symbol to provide information about the syntax elements. For example, the lines `5.1*, 5.1 LASTRUN, and 5.1 DELETE` mean that if you use more than one of the `LASTRUN` and `DELETE` syntax elements, the elements must be separated by a comma. If no separator is given, assume that you use a blank to separate each syntax element.

If a syntax element is preceded by the % symbol, it indicates a reference that is defined elsewhere. The string that follows the % symbol is the name of a syntax fragment rather than a literal. For example, the line `2.1 %OP1` means that you must refer to separate syntax fragment `OP1`.

The following symbols are used next to the dotted decimal numbers.

? indicates an optional syntax element
The question mark (?) symbol indicates an optional syntax element. A dotted decimal number followed by the question mark symbol (?) indicates that all the syntax elements with a corresponding dotted decimal number, and any subordinate syntax elements, are optional. If there is only one syntax element with a dotted decimal number, the ? symbol is displayed on the same line as the syntax element, (for example `5? NOTIFY`). If there is more than one syntax element with a dotted decimal number, the ? symbol is displayed on a line by itself, followed by the syntax elements that are optional. For example, if you hear the lines `5 ?, 5 NOTIFY`, and `5 UPDATE`, you know that the syntax elements `NOTIFY` and `UPDATE` are optional. That is, you can choose one or none of them. The ? symbol is equivalent to a bypass line in a railroad diagram.

! indicates a default syntax element
The exclamation mark (!) symbol indicates a default syntax element. A dotted decimal number followed by the `!` symbol and a syntax element indicate that the syntax element is the default option for all syntax elements that share the same dotted decimal number. Only one of the syntax elements that share the dotted decimal number can specify the ! symbol. For example, if you hear the lines `2? FILE, 2.1! (KEEP), and 2.1 (DELETE)`, you know that `(KEEP)` is the default option for the `FILE` keyword. In the example, if you include the `FILE` keyword, but do not specify an option, the default option KEEP is applied. A default option also applies to the next higher dotted decimal number. In this example, if the `FILE` keyword is omitted, the default `FILE(KEEP)` is used. However, if you hear the lines `2? FILE, 2.1, 2.1.1! (KEEP)`, and `2.1.1 (DELETE)`, the default option KEEP applies only to the next higher dotted decimal number, `2.1` (which does not have an associated keyword), and does not apply to `2? FILE`. Nothing is used if the keyword `FILE` is omitted.

*** indicates an optional syntax element that is repeatable**
The asterisk or glyph (*) symbol indicates a syntax element that can be repeated zero or more times. A dotted decimal number followed by the * symbol indicates that this syntax element can be used zero or more times; that is, it is optional and can be repeated. For example, if you hear the line `5.1* data area`, you know that you can include one data area, more than one data area, or no data area. If you hear the lines `3* , 3 HOST, 3 STATE`, you know that you can include `HOST, STATE`, both together, or nothing.

Notes:

1. If a dotted decimal number has an asterisk (*) next to it and there is only one item with that dotted decimal number, you can repeat that same item more than once.
2. If a dotted decimal number has an asterisk next to it and several items have that dotted decimal number, you can use more than one item from the list, but you cannot use the items more than once each. In the previous example, you can write `HOST STATE`, but you cannot write `HOST HOST`.
3. The `*` symbol is equivalent to a loopback line in a railroad syntax diagram.

+ indicates a syntax element that must be included

The plus (+) symbol indicates a syntax element that must be included at least once. A dotted decimal number followed by the + symbol indicates that the syntax element must be included one or more times. That is, it must be included at least once and can be repeated. For example, if you hear the line `6.1+ data area`, you must include at least one data area. If you hear the lines `2+, 2 HOST,` and `2 STATE`, you know that you must include `HOST, STATE,` or both. Similar to the `*` symbol, the + symbol can repeat a particular item if it is the only item with that dotted decimal number. The + symbol, like the `*` symbol, is equivalent to a loopback line in a railroad syntax diagram.

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Product Number: 5650-ZOS

GA32-0983-50