

14	EEEE 1443	JCBDSLRT EQU	X'EEEE'	X'EEEE'	= CRT
15	0010 1443	JCBDCRLB EQU	JCBDSLST+2	CURRENT LIBRARY F1 POINTER	
15	0012 1444	JCBDFSBLEQU	JCBDCRLB+2	LIBRARY FSB CHAIN POINTER	
16	0014 1446	JCBDFSBF EQU	JCBDFSBLE+2	FILE FSB CHAIN POINTER	
16	0016 1448	JCBDFSBP EQU	JCBDFSBF+2	FSB CHAIN POINTER	
17	0018 1450	JCBDFSBP EQU	JCBDFSBP+2	PSB CHAIN POINTER	
18	0020 1452	JCBDFSBP EQU	JCBDFSBP+8	NAME OF FIRST LEVEL PROCEDURE (MPT PROCEDURE NAME IF JCBDFSBP7 IS ON AND THIS JOB IS POINTED TO BY THE MPT'S TCB)	
18		1453 *			
18		1454 *			
19	0028 1456	JCBDFSBP EQU	JCBDFSBP+8	PROGRAM NAME	
20	0029 1458	JCBDFSBP EQU	JCBDFSBP+1	STATUS BYTE	

801

01	LYC7 - 1364 - 7		IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT		
01	29 JANUARY 82	PROGNO 5726-SS1	REL: ROC-100		
02	COPYRIGHT IBM CORP. 1978		LICENSED MATERIAL - PROPERTY OF IBM		
03	aaaa	aaaa	aaaaaaaa	aaaa	aaaa
03	aaaa	aaaa	aaaaaaaaaaaaaaaa	aaaa	aaaa
03	aaaa	aaaa	aaaaaaaaaaaaaaaa	aaaa	aaaa
04	aaaaaaaaaaaaaaaa	aaaa	aaaa	aaaa	aaaa
04	aaaaaaaaaaaaaaaa	aaaa	aaaa	aaaa	aaaa
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20					

401

15	004D 1496 JCBDSLLC EQU JCBDFMND+1	SYSLIST CRT LINE COUNTER	15	
16	004E 1498 JCBDNFTF EQU JCBDSLLC+1	NUMBER OF FORMATS FOUND	16	0000 0000 0000
17	0050 1500 JCBDFINA EQU JCBDNFTF+2	ADDRESS OF FORMAT INDEX	17	0000 0000 0000
18	0052 1502 JCBDC1B@ EQU JCBDFINA+2	ADDRESS OF COMPILER INFORMATION BLOCK	18	0000 0000 0000
19	0054 1504 JCBDDTFA EQU JCBDC1B@+2	ADDRESS OF FIRST DTF ON CHAIN	19	0000 0000 0000
20	0055 1506 JCBDSLLR EQU JCBDDTFA+1	SYSLIST CRT LINES REQUESTED	20	0000 0000 0000
	0056 1508 JCBDDFRG EQU JCBDSLLR+1	REGION SIZE (DEFAULT)		
	0057 1510 JCBDJBRG EQU JCBDDFRG+1	REGION SIZE (JOB)		
	005E 1512 JCBDMENF EQU JCBDJBRG+7	MENU FORMAT INDEX (NON-RELEASED US JOBS)		

B02

01	#SVAT 12/08/81 15:51	01	4500 SYMBOL WRPTOR
02		02	YOU USED 2438 SYMBOL
03	aaaaaaaa	03	LENGTH OF MODULE IS 204
04	aaaaaa	04	
05	aaaaaaaaaaaaaaaa	05	
06	aaaaaa	06	
07	aaaaaa	07	
08		08	
09		09	
10		10	
11		11	
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14		14	
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A02

14	1549 *	JCB EXTENSION	*
15	1551 *		*
	1552 *****		
16	0001 1554 JCBSSBA EQU 1	SESSION SPECIFICATION BLOCK POINTER	
	0003 1555 JCBCCBA EQU JCBSSBA+2	CHECK POINT CONTROL BLOCK POINTER	
	0005 1556 JCBPLST EQU JCBCCBA+2	PHONE LIST CHAIN POINTER	
17	0006 1558 JCBPLP# EQU JCBPLST+1	LPI VALUE	
	0004 1559 JCBMLPI EQU X'04'	4 LPI SPECIFIED ON FORMS STATEMENT	
	0006 1560 JCBMLPI EQU X'06'	6 LPI SPECIFIED ON FORMS STATEMENT	
18	0008 1561 JCBMLPI EQU X'08'	8 LPI SPECIFIED ON FORMS STATEMENT	
19	000F 1563 JCBDESV EQU JCBPLP#+9	RESERVED AREA	
	0010 1564 JCBDELNG EQU JCBDESV+1	LENGTH OF JOB EXTENSION	
	1565 *** END OF EXPANSION **		

B03

01	4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.	
	YOU USED 2438 SYMBOLS.	
02		
03	LENGTH OF MODULE IS 2047	
04		
05		
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A03

13	0004 1600 \$LDMPFCH EQU \$LDMPFCH	13
14	0006 1601 \$LDMPFCHA EQU \$LDMPFCHA+\$LDSTONDR FETCH TO-ADDRESS	14
15	000E 1602 \$LDMPFCH EQU \$LDMPFCHA+\$LDSTONDR SYSTEM FETCH	15
16	1603 *** END OF EXPANSION **	16
17		17
18		18
19		19
20		20

B04

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		PAGE	1	09/11/81	12/08/81	21:28
01				#SVAT TCB ATTACH TRANSIENT						
02	0800	2	#SVAT	START X'0800'	00020000					
		3	*	COPYR	00030000					
03		4	*/	COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981						
		5	*/	LICENSED MATERIAL - PROGRAM PROPERTY OF IBM						
		6	*/	REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.*/						
04		7	***	END OF EXPANSION **						
		8	*****		00040000					
		9	*		00050000					
05		10	*	TITLE: #SVAT - SUPERVISOR TASK ATTACH TRANSIENT	00060000					
		11	*		00070000					
06		12	*	FUNCTION/DESCRIPTION: #SVAT IS CALLED WHENEVER A NEW TASK IS TO BE	00080000					
		13	*	ATTACHED TO THE SYSTEM. FIRST THE TASK'S	00090000					
		14	*	TCB IS ASSIGNED. THEN THE TASK'S MAIN STORAGE	00100000					
		15	*	REQUIREMENT IS DETERMINED. IF MAIN STORAGE IS	00110000					
		16	*	AVAILABLE, AND SWAP STORAGE AVAILABLE TO	00120000					
		17	*	START THE TASK, AN RB, ACE (IF REQUIRED),	00130000					
		18	*	AND SWAP AREA ARE ASSIGNED. ALL NECESSARY	00140000					
		19	*	FIELDS IN THE TCB ARE INITIALIZED TO START	00150000					
		20	*	THE TASK. THE TCB IS Q'ED TO THE SWAP IN Q	00160000					
		21	*	WITH THE DISPATCHING ADDRESS POINTING TO THE	00170000					
		22	*	BOOTSTRAP CODE IN THE RB.	00180000					
		23	*		00190000					
		24	*	ENTRY POINT: THERE IS ONLY ONE ENTRY POINT - #SVAT	00200000					
		25	*		00210000					
		26	*	INPUT: XR1=> ATTACH PARAMETER LIST	00220000					
		27	*		00230000					
		28	*	OUTPUT: A NEW TASK CREATED, AND XR1-> TASK'S TCB, OR XR1 VALUE IS	00240000					
		29	*	OF FORMAT 00XX, WHERE XX IS DEFINED RETURN CODES.	00250000					
		30	*		00260000					
		31	*	EXITS: NORMAL - TO NEXT TRANSIENT IF INDICATED IN ATTACH PARAM LIST	00270000					
		32	*	- NORMAL TRANSIENT EXIT IF NEXT TRANSIENT a=0	00280000					
		33	*		00290000					
		34	*	ABNORMAL - NORMAL TRANSIENT EXIT IF ASSIGN FAILURES	00300000					
		35	*		00310000					
		36	*	EXT'PNAL REFERENCES: CONTROL STORE ROUTINES - ASSIGN/FREE,	00320000					
		37	*	SCB GET, QUEUE, POST, GPOST, PPR, AND	00330000					
		38	*	TWA ACCESS ROUTINES.	00340000					
		39	*		00350000					
		40	*	NOTES: THIS ROUTINE MUST EXECUTE IN THE MAIN STORAGE TRANSIENT	00360000					
		41	*	AREA	00370000					
		42	*		00380000					
		43	*	CHARACTER CODE DEPENDENCY: N/A	00390000					
		44	*		00400000					
		45	*/	CHANGE ACTIVITY - #SVAT	00402000					
		46	*		00404000					
		47	*	RELEASE 2 : aa001 - PTR P2SSW001	00406000					
		48	*	aa080 - APAR S313506	00406100					
		49	*		00406200					
		50	*	RELEASE 3 : aa023 - REMOTE WORK STATION SUPPORT	00406400					
		51	*	aa044 - SUPPORT P33CP021	00406600					
		52	*	aa093 - SUPPORT SECONDARY SNA	00406800					
		53	*	aa080 - APAR S313506 FIX FOR RELEASE 2	00407000					
		54	*	aa052 - PTR P33CP021 SRJE SUPPORT FIX	00407200					
		55	*	RELEASE 4 : aa145 - TCS SUPPORT, INCREMENTAL IMPROVEMENT P10402	00407400					

A04

13	1636 *	STATISTICAL LOGOUT ACE	0010	16	NUMLGACE *
	1637 *	0320			*
	1638 *				*
	1639 *	0330 INTERVAL TIMER ACE	0010	16	NUMTIACE *
	1640 *				*
14	1641 *	0340 MSP ERROR ACE	0010	16	NUMMACE *
	1642 *				*
	1643 *	0350 SWAP ACE	0010	16	NUMSWACE *
	1644 *				*
	1645 *	0360 MS TRANSIENT LOADER ACE	0010	16	NUMDXACE *
	1646 *				*
	1647 *	0370 DISKETTE ERROR ACE	0010	16	NUMTEACE *
	1648 *				*
	1649 *	0380 ERROR TASK-TASK ACE	0010	16	NUMCSETC *
	1650 *				*
17	1651 *	0390 DISPATCHER TQE	0008	8	NUMDSTQE *
	1652 *				*
	1653 *	0398 MIDNIGHT TQE	0008	8	NUMMNTQE *
	1654 *				*
	1655 *	03A0 STATISTICAL LOGGING TQE	0008	8	NUMDLTQE *
	1656 *				*
19	1657 *	03A8 SQS FAILURE TQE	0008	8	NUMATQE *
	1658 *				*

B05

/08/81 21:28

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00406400

00406600

00406800

00407000

00407200

00407400

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	56 *			: @@290 - MRJE SUPPORT, USING INCREMENTAL IMPROV FLAG *	00407600	
	57 *			: @@185 - MINOR MAINTAINENCE, \$TOD AND LITES MACROS. *	00407800	
03	58 *	RELEASE 5		: @@185 - MINOR MAINTAINENCE, CHANGE RLD PARAMETER ON *	00407860	
	59 *			THE IDMAC MACRO FROM 'N' TO 'D' TO SAVE RLD SECTOR. *	00407920	
	60 *	RELEASE 6		: @@298 - MINOR MAINTAINENCE, P10606-REQUEST BY HARRIS *	00407960	
04	61 *			TO CHANGE INIATOR ADDRESSES TO EQUATES AND TO *	00408000	
	62 *			EXPAND THE IWAQ MACRO. MAB, 10/05/79. *	00408600	
	63 *	RELEASE 7		: @@354 - EXPANDED MEMORY, P10704, PRIORITY SUPPORT *	00408800	
05	64 *			CHANGE, RJB, 12/26/79. @@354 *	00409000	
	65 *			*****	00409200	
	66 *			*****	00410000	

A05

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	68 *					A
	69 *					*****
03	71 *					CHA
	72 *					*****
04	73 *					8*
	74 *					PARM3 *
	75 *					*****
05	76 *					
	0001					ACECHAIN E
	0003					ACEIAR E
	0005					ACEMAB E
06	0006					ACEPARM1 E
	0007					ACEPARM2 E
	0008					ACEPARM3 E
07	0009					ACETYPE E
	0080					ACEMSL E
	0000					ACECSCL E
08	0040					ACEPRIV E
	0020					ACEIOCHN E
	0010					ACELOG E
09	0010					ACECPERR E
	0008					ACEMWAIT E
	0008					ACEINUSE E
10	92 *					NOTE: TH
	0004					ACEXLOFF E
	0001					ACEQUITES E
11	00FE					ACEMASK E
	000B					ACEXR1 E
	000D					ACEXR2 E
12	000F					ACETCBA E
	0010					ACELEN E
13	100					*** END OF

NUGATQCE *
 *
 NUGCSETC *
 *
 NUGDSTQE *
 *
 NUGMNTQE *
 *
 NUGDLTQE *
 *
 NUGATQE *
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PAGE 2 V09/11/81 12/08/81 21:28
 PROV FLAG * 00407600
 MACROS. * 00407800
 METER ON * 00407860
 D SECTOR. * 00407920
 BY HARRIS * 00407960
 TO * 00408000
 * 00408600
 PPORT * 00408800
 aa354 * 00409000
 * 00409200
 ***** 00410000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT PAGE 3 V09/11/81 12/08/81 21:28
02		68 *	ACE	00430000
03		70 *	1*	3* * 5* 6* 7*
04		71 *	CHAIN * IAR * * MAB * PARM1 * PARM2 *	
05		73 *	8* 9* B* * D* F*	
06		74 *	PARM3 * TYPE * XR1 * * XR2 * * TCB *	
07		76 *		*
08		0001	77 ACECHAIN EQU 1	CHAIN TO NEXT ACTION CONTROL ELEMENT
09		0003	78 ACEIAR EQU ACECHAIN+2	CALLERS IAR VALUE
10		0005	79 ACEMAB EQU ACEIAR+2	MAB ADDRESS (CONTROL STORAGE ACE)
11		0006	80 ACEPARM1 EQU ACEMAB+1	FIRST IN-LINE PARM
12		0007	81 ACEPARM2 EQU ACEPARM1+1	SECOND IN-LINE PARM
13		0008	82 ACEPARM3 EQU ACEPARM2+1	THIRD IN-LINE PARM
14		0009	83 ACETYPE EQU ACEPARM3+1	TYPE OF ACE (CTRL OR MAIN STORAGE)
15		0080	84 ACEMSCL EQU X'80'	INDICATOR FOR MAIN STORAGE ACE
16		0000	85 ACECSCL EQU X'00'	INDICATOR FOR CONTROL STORE ACE
17		0040	86 ACEPRIV EQU X'40'	INDICATOR FOR PRIVILEGED ACE
18		0020	87 ACEIOCHN EQU X'20'	CHAINED IOB INDICATOR
19		0010	88 ACELOG EQU X'10'	INDICATOR FOR SYSLOG CALLED
20		0010	89 ACECPERR EQU X'10'	INDICATOR FOR ASYNC ERROR ACE.
		0008	90 ACEMWAIT EQU X'08'	MULTIPLE WAIT INDICATOR
		0008	91 ACEINUSE EQU X'08'	WS ACE IN USE.
		92 *	NOTE: THE FOLLOWING EQUATE	MUST BE THE SAME AS QXLOFF IN SVEQU
		0004	93 ACEXLOFF EQU X'04'	INDICATOR FOR IOB IS IN REAL STORAGE
		0001	94 ACEQITES EQU X'01'	INCREMENT QUIESCE COUNTER VALUE
		00FE	95 ACEMASK EQU X'FE'	MASK TO TURN OFF ALL EXCEPT QUIESCE
		000B	96 ACEXR1 EQU ACETYPE+2	CALLERS XR1 VALUE
		000D	97 ACEXR2 EQU ACEXR1+2	CALLERS XR2 VALUE
		000F	98 ACETCBa EQU ACEXR2+2	TCB ADDRESS
		0010	99 ACELEN EQU ACETCBa+1	LENGTH OF ACE
		100	*** END OF EXPANSION **	

#SVAT TCB ATTACH TRANSIENT
 ERR LOC OBJECT CODE
 01
 02
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16	0320 1724 NUBLGACE EQU	NUMERACE+NUMALACE STATISTICAL LOGGING ACE	1725 *
	0330 1726 NUBTFACE EQU	NUBGFACE+NUFACE INTERVAL TIMER ACE	1727 *
17	0340 1728 NUBMFACE EQU	NUBTFACE+NUFACE MSP PROC CHECK ERROR HANDLER ACE	1729 *
	0350 1730 NUBSWFACE EQU	NUBMYFACE+NUFACE ACE FOR SWAP IOB	1731 *
18	0360 1732 NUBMXFACE EQU	NUBMSFACE+NUFACE ACE FOR MS XIENT SCHEDULER	1733 *
	0370 1734 NUBTEFACE EQU	NUBMYFACE+NUFACE ACE FOR DISKETTE ERP	1735 *
19	0380 1736 NUBCSETC EQU	NUBTEFACE+NUFACE CS TASK-TASK ERROR ACE	1737 *
20			

B07

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
01				#SWAT TCB ATTACH TRANSIENT	01	
				PAGE 4 V09/11/81 12/08/81 21:28		
02	00430000			102 * ACWZ EQU	02	00450000
				103 *****		
03				104 * EQUATES USED BY THE SET ACTION CONTROL WORD ROUTINE(NUSET) AND THE *	03	
				105 * ACTION CONTROLLER(NUAC). *		
				106 *****		
04				107 * EQUATES USED BY THE NUSET ROUTINE	04	
		0008	108	SETLOW EQU X'08' LOW BYTE OF WORD TO BE SET		
		0004	109	SETNUM EQU X'04' NUMERIC PORTION OF BYTE TO BE SET		
05				110 * SHORT EQUATES USED TO DEFINE THE BIT TO BE SET IN THE ILSW	05	
		0000	111	SW0 EQU 0 ACW0 IS TO BE SET		
		0001	112	SW1 EQU 1 ACW1 IS TO BE SET		
06				0002 113 SW2 EQU 2 ACW2 IS TO BE SET	06	
		0003	114	SW3 EQU 3 ACW3 IS TO BE SET		
		0080	115	X80 EQU X'80' USED TO SET BIT 0 OR 8		
07				0040 116 X40 EQU X'40' USED TO SET BIT 1 OR 9	07	
		0020	117	X20 EQU X'20' USED TO SET BIT 2 OR 10		
		0010	118	X10 EQU X'10' USED TO SET BIT 3 OR 11		
08				0084 119 X08 EQU X'80'+SETNUM USED TO SET BIT 4 OR 12	08	
		0044	120	X04 EQU X'40'+SETNUM USED TO SET BIT 5 OR 13		
		0024	121	X02 EQU X'20'+SETNUM USED TO SET BIT 6 OR 14		
09				0014 122 X01 EQU X'10'+SETNUM USED TO SET BIT 7 OR 15	09	
				123 *****		
				124 * ACTION CONTROL WORD ZERO EQUATES (ACW0) *		
10				125 *****	10	
				126 * ILSW		
				127 * BIT		
11		0080	128	ACSWMF EQU X80+SW0 3 RESERVED (SMF DEV AID) 0	11	
		0040	129	ACSWFDSA EQU X40+SW0 FDIOS SPINDLE A 1		
		0020	130	ACSWFDSB EQU X20+SW0 FDIOS SPINDLE B 2		
12				0010 131 ACSWFD EQU X10+SW0 DISK SVC 3	12	
		0084	132	ACSWMSCH EQU X08+SW0 WORKSTATION IOCH INTRPT HNDLR 4		
		0044	133	ACSWMSVC EQU X04+SW0 WORKSTATION SVC 5		
13				0024 134 ACSWTPR EQU X02+SW0 TIMER 2ND LEVEL INTERRUPT HNDLR 6	13	
		0014	135	ACSWCACH EQU X01+SW0 COMMUNICATIONS IOCH 7		
		0088	136	ACSWFSC EQU X80+SW0+SETLOW 7 FDIOS SPINDLE C 8		
		0048	137	ACSWFSD EQU X40+SW0+SETLOW 7 FDIOS SPINDLE D 9		
14				0028 138 ACSWPTIN EQU X20+SW0+SETLOW PRINTER IOCH INTERRUPT HANDLER 10	14	
				139 * EQU X10+SW0+SETLOW * 11		
				140 * EQU X08+SW0+SETLOW * 12		
15		004C	141	ACSWIOXI EQU X04+SW0+SETLOW I/O XIENT IOCH INTERRUPT HNDLR 13	15	
		002C	142	ACSWIOXN EQU X02+SW0+SETLOW I/O XIENT SVC 14		
				143 * EQU X01+SW0+SETLOW * 15		
16				144 * SPECIAL EQUATES FOR TURNING ON MORE THAN ONE BIT AT A TIME	16	
		0060	145	ACSWDISK EQU ACSWFDSA+ACSWFDSB		
17				146 * EQUATES FOR I/O TRANSIENT AREA DEVICES	17	
		002C	147	ACSWBDCH EQU ACSWIOXN 2501 READER		
		002C	148	ACSWMSV EQU ACSWIOXN 1255 READER (NO ENTRY)		
		004C	149	ACSWMIN EQU ACSWIOXN 1255 READER (INTERRUPT ENTRY)		
18				150 *****	18	
				151 * ACTION CONTROL WORD ONE EQUATES(ACW1) *		
				152 *****		
19				153 * ILSW	19	
				154 * BIT		
20				155 *RESERVED X80+SW1 THIS LOCATION IS RESERVED FOR SOFT ERRORS 0	20	

A07

15	2000 1776 * 1777 NULLOADI EQU NULMSSQS+NULMSSQS LOAD ADDRESS WHEN IPL DISKETTE 1778 * 1779 *** END OF EXPANSION **	15
16		16
17		17
18		18
19		19
20		20

B08

#SVAT TCB ATTACH TRANSIENT		PAGE 5 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
00450000	0041	156	ACSWPTS EQU X40+SW1 PRINTER SVC 1
		157	* EQU X20+SW1 * 2
		158	* EQU X10+SW1 * 3
	0085	159	ACSWIOCH EQU X08+SW1 DISKETTE IOCH 4
	0045	160	ACSWIOS EQU X04+SW1 DISKETTE SVC 5
		161	* EQU X02+SW1 * 6
		162	* EQU X01+SW1 * 7
	0089	163	ACSWFDCA EQU X80+SW1+SETLOW FDI0CH SPINDLE A (ALT. SECTOR) 8
	0049	164	ACSWFDCB EQU X40+SW1+SETLOW FDI0CH SPINDLE B (ALT. SECTOR) 9
	0029	165	ACSWFDCC EQU X20+SW1+SETLOW 7 FDI0CH SPINDLE C (ALT. SECTOR) 10
	0019	166	ACSWFDCC EQU X10+SW1+SETLOW 7 FDI0CH SPINDLE D (ALT. SECTOR) 11
	0080	167	ACSWPRT EQU X08+SW1+SETLOW LINE PRINTER ERP 12
	0040	168	ACSWNCER EQU X04+SW1+SETLOW MAIN STORAGE PROCESSOR ERP 13
		169	* EQU X02+SW1+SETLOW * 14
		170	* EQU X01+SW1+SETLOW * 15
		171	*****
		172	* ACTION CONTROL WORD TWO EQUATES(ACW2) *
		173	*****
		174	ILSW
		175	BIT
	0082	176	ACSWERR EQU X80+SW2 NUCLEUS ERROR HANDLER 0
	0042	177	ACSWCSCQ EQU X40+SW2 CONTROL STORE COMPLETE Q HANDLER 1
		178	* EQU X20+SW2 * 2
		179	* EQU X10+SW2 * 3
		180	* EQU X08+SW2 * 4
		181	* EQU X04+SW2 * 5
		182	* EQU X02+SW2 * 6
		183	* EQU X01+SW2 * 7
		184	* EQU X80+SW2+SETLOW * 8
		185	* EQU X40+SW2+SETLOW * 9
		186	* EQU X20+SW2+SETLOW * 10
	001A	187	ACSWAD EQU X10+SW2+SETLOW ALTER/DISPLAY TO WORKSTATION 11
	008E	188	ACSWBTR EQU X08+SW2+SETLOW KEYBOARD TRACE 12
	004E	189	ACSWLOG EQU X04+SW2+SETLOW SVC TRACE LOGOUT TO DISK 13
	002E	190	ACSWTR EQU X02+SW2+SETLOW ALTER/DISPLAY INSTRUCTION TRACE 14
		191	* EQU X01+SW2+SETLOW * 15
		192	*****
		193	* ACTION CONTROL WORD THREE EQUATES(ACW3) *
		194	*****
		195	ILSW
		196	BIT
		197	* EQU X80+SW3 * 0
		198	* EQU X40+SW3 * 1
		199	* EQU X20+SW3 * 2
	0013	200	ACSWCX EQU X10+SW3 CONTROL STORAGE XIENT SCHEDULER 3
	0087	201	ACSWMX EQU X08+SW3 MAIN STORAGE XIENT SCHEDULER 4
	0047	202	ACSWLDR EQU X04+SW3 MAIN STORAGE RELOCATING LOADER 5
	0027	203	ACSWTWA EQU X02+SW3 TASK WORK AREA ACCESS 6
	0017	204	ACSWSWAP EQU X01+SW3 SWAPPER 7
		205	* EQU X80+SW3+SETLOW * 8
	004B	206	ACSWGP EQU X40+SW3+SETLOW GENERAL POST 9
	002B	207	ACSWQP EQU X20+SW3+SETLOW SECTOR ENQUEUE/DEQUEUE POST CP 10
		208	* EQU X10+SW3+SETLOW * 11
		209	* EQU X08+SW3+SETLOW * 12

A08

ERR LOC	OBJECT CODE	ADDR	SOURCE STATEMENT
		004F	
		002F	
		001F	
		00F7	

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#SVAT TCB ATTACH TRANSIENT		PAGE 6 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT
02	004F 210	ACSTARTST EQU	X04+SW3+SETLOW TRANSIENT ROUTINES TEST AND SET 13
	002F 211	ACSMWSTS EQU	X02+SW3+SETLOW WORKSTATION TEST AND SET ENTRY 14
	001F 212	ACSWECS EQU	X01+SW3+SETLOW ECS RETURN TO SCIENTIFIC 15
03	00F7 213	ACSWCOMB EQU	X'FO'+SETNUM+SW3 COMBINATION PK, SWAP, TWA AND LDR
			214 *
			215 *** END OF EXPANSION **

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#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE
02	210
	0008 211
	000C 212
03	0080 213
	0040 214
	0020 215
	0010 216
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05	0008 218
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	0004 220
06	0002 221
	0001 222
	00EC 223
07	0004 224
	0090 225
	0000 226
08	000E 227
	0010 228
09	0010 229
	0014 230
	0015 231
10	0080 240
	0040 241
	0020 242
	0010 243
11	0008 244
	0004 245
	0002 246
12	0001 247
	0016 248
	0018 249
13	0019 250
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14	252
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	0002 257
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16	0003 259
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17	0004 262
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16			000F 0080 0080
17			0020 0010 0040
18			
19			
20			0081

B10

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01	#SVAT TCB ATTACH TRANSIENT PAGE 7 V09/11/81 12/08/81 21:28				
02				217 * ATACH V-EQU 00470000	
03	0008	218	\$ATLOAD	EQU X'08' LOADER PARM LIST OFFSET	
	000C	219	\$ATFLAG	EQU \$ATLOAD+1 FIRST FLAG BYTE OFFSET	
	0080	220	\$ATCREAT	EQU X'80' CREATE A NEW TCB	
	0040	221	\$ATREAL	EQU X'40' LOGICAL = REAL TO LINK a	
	0020	222	\$ATTUBAS	EQU X'20' ON - TUBa PASSED IN PARM LIST	
	223 *			OFF- JCBa PASSED IN PARM LIST	
	0010	224	\$ATNONAM	EQU X'10' ON - DON'T ASSIGN JOB NAME	
	225 *			OFF- ASSIGN JOB NAME	
	0008	226	\$ATDATA	EQU X'08' PUT DATA TO SESSION WORK AREA	
	227 *			ALSO, DUMMY UP INVITE	
	0004	228	\$ATPRIV	EQU X'04' TASK IS PRIVILEGED	
	0002	229	\$ATNSWAP	EQU X'02' TASK IS NOT SWAPPABLE	
	0001	230	\$ATFRPRM	EQU X'01' FREE ATACH PARM LIST	
	00EC	231	\$ATINIT	EQU \$ATCREAT+\$ATREAL+\$ATTUBAS+\$ATDATA+\$ATPRIV START INIT	
	0004	232	\$ATSPOOL	EQU \$ATCREAT+\$ATREAL+\$ATNONAM+\$ATPRIV START SPOOL	
	0090	233	\$ATBATCH	EQU \$ATCREAT+\$ATNONAM START BATCH	
	0000	234	\$ATMSSIZ	EQU \$ATFLAG+1 #2K BLOCKS OF MAIN STORAGE	
	000E	235	\$ATPRIOR	EQU \$ATMSSIZ+1 PRIORITY OF NEW TASK	
	0010	236	\$ATTUBa	EQU \$ATPRIOR+2 TUB ADDRESS	
	0010	237	\$ATJCBa	EQU \$ATTUBa JCB ADDRESS	
	0014	238	\$ATSSSN	EQU \$ATTUBa+4 SSSN VALUE OF NEXT TRANSIENT	
	0015	239	\$ATFLAG1	EQU \$ATSSSN+1 SECOND FLAG BYTE	
	0080	240	\$ATREFRSH	EQU X'80' REFRESH UNCOND. IF ATACH SUCC.	
	0040	241	\$ATCOMMON	EQU X'40' PROG. HAS COMMON	
	0020	242	\$ATQKINT	EQU X'20' PASS CONTROL TO INITIATOR	
	0010	243	\$ATINCJC	EQU X'10' INCREMENT JOB COUNT	
	0008	244	\$ATSYSTK	EQU X'08' SYSTEM TASK	
	0004	245	\$ATNRTUB	EQU X'04' REQ. TUB, BUT NOT OWNER	
	0002	246	\$ATNCINQ	EQU X'02' DISALLOW CANCEL OR INQ	
	0001	247	\$ATACHER	EQU X'01' ATTACHER(MRJE) INDICATOR	
	0016	248	\$ATTSKID	EQU \$ATFLAG1+1 TASK ID OF TASK ATACHED	
	0018	249	\$ATDATAa	EQU \$ATTSKID+2 ADDRESS OF DATA TO PUT	
	0019	250	\$ATLENG	EQU \$ATDATAa+1 LENGTH OF ATACH PARM LIST	
	251 *				
	252 *			ERROR RETURN CODES IN XRI IN FORMAT 00XX, WHERE XX:	
	253 *			IF ATACH WAS SUCCESSFUL, XRI RETURNS WITH ATTACHED TASKS TCB	
	254 *			ADDRESS.	
	255 *				
	0001	256	\$ATERRO1	EQU X'01' NOT ENOUGH STORAGE	0000
	0002	257	\$ATERRO2	EQU X'02' TASK NON-SWAPPABLE, AND NOT	0001
	258 *			ENOUGH STORAGE	0002
	0003	259	\$ATERRO3	EQU X'03' TASK NON-SWAPPABLE, AND ITS	0003
	260 *			STORAGE REQUIREMENTS WILL	0004
	261 *			PUT A SWAPPABLE TASK TO SLEEP	0005
	0004	262	\$ATERRO4	EQU X'04' ASSIGN FAILURE ON TCB	0006
	0005	263	\$ATERRO5	EQU X'05' ASSIGN FAILURE ON RB	0007
	0006	264	\$ATERRO6	EQU X'06' ALLOCATE FAILURE FOR SWAP AREA	
	0007	265	\$ATERRO7	EQU X'07' ALLOCATE FAILURE FOR USWA	0000
	266	***		END OF EXPANSION **	0004
	266	***		END OF EXPANSION **	
19					
20					0008

A10

ERR LOC	OBJECT CODE	ADDR	SOURCE STATEMENT		
01	#SVAT TCB ATTACH TRANSIENT				
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16					0003 0004 0005
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18					0000 0004
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15	0000 1852 SCAMXRG EQU SCAMXRG+1 1 SWAPPABLE TASK REGION SIZE	15	0001 1907 SCAMXRG EQU SCAMXRG+1 1 SWAPPABLE TASK REGION SIZE
16	000F 1856 SCASDISK EQU SCAMXRG+1 1 DISK CONFIGURATION	16	0080 1910 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIGURATION
17	0080 1857 SCAMDUAL EQU X'80' . MULTIPLE SPINDLE DISK IR7I	17	0040 1911 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIGURATION
18	0080 1858 SCA2SPIN EQU X'80' . 2 SPINDLE DISK IR7I	18	0020 1912 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIGURATION
19	0020 1859 SCA3SPIN EQU X'20' . 3 SPINDLE DISK IR7I	19	0010 1913 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIGURATION
20	0010 1860 SCA4SPIN EQU X'10' . 4 SPINDLE DISK IR7I	20	0008 1914 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIGURATION
	0040 1861 SCADKCFG EQU X'40' . DISK CONFIG FLAG IR3I		0004 1915 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIG FLAG IR3I
	1862 * 0 - SMALL CAPACITY DISK		1916 *
	1863 * 1 - LARGE CAPACITY DISK		1917 *
	1864 *****		1918 *
	1865 * THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL * CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK.		0002 1919 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIG FLAG IR3I
	1866 * CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK.		0001 1920 SCAMXRG EQU SCAMXRG+1 1 DISK CONFIG FLAG IR3I
	1867 *****		1921 *
	0081 1868 SCAMDSKS EQU X'81' . DISK STATUS BITS		0014 1922 SCAMXRG EQU SCAMXRG+1 1 DISK STATUS BITS

12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 8 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
00470000	268 * DRCT1	00490000	0009 321 D1AUXNTO EQU D1AUXNTO 0 XIENT WORK SPACE # 0
	269 *****		000A 322 D1AUXNT1 EQU D1AUXNT1+1 XIENT WORK SPACE # 1
	270 *****		000B 323 D1AUXNT2 EQU D1AUXNT2+1 XIENT WORK SPACE # 2
	271 ** DIRECT STORAGE AREAS USED PRIMARILY BY THE CTRL STG NUCLEUS **		000C 324 D1AUXNT3 EQU D1AUXNT3+1 XIENT WORK SPACE # 3
	272 *****		000D 325 D1AUXNT4 EQU D1AUXNT4+1 XIENT WORK SPACE # 4
	273 *****		000E 326 D1AUXNT5 EQU D1AUXNT5+1 XIENT WORK SPACE # 5
	275 *****		000F 327 D1AUXNT6 EQU D1AUXNT6+1 XIENT WORK SPACE # 6
	276 * NOTE: THE LABELING OF ITEMS AS 'CONSTANT', OR 'NON-CONSTANT IS EXACT AND MEANINGFUL. THAT IS, ITEMS IDENTIFIED AS 'CONSTANT' ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		0010 328 * D1AUXNT7 EQU D1AUXNT7+1 XIENT WORK SPACE # 7
	277 * EXACT AND MEANINGFUL. THAT IS, ITEMS IDENTIFIED AS 'CONSTANT' ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		0080 329 *****
	278 * ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		000E 330 D1AUXNT8 EQU D1AUXNT8+1 XIENT WORK SPACE # 8
	279 * ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		331 *
	280 * ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		332 *****
	281 * ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		000E 333 * D1AUXNT9 EQU D1AUXNT9+1 XIENT WORK SPACE # 9
	282 * ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. ITEMS IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS.		334 *****
	283 * NOTE: THERE IS A 'TRADE-OFF' THAT CAN BE MADE AS TO WHERE TO PLACE A FULL WORD CONSTANT THAT IS REFERENCED ONLY ONCE:		335 * D1AUXNT10 EQU D1AUXNT10+1 XIENT WORK SPACE # 10
	284 * A FULL WORD CONSTANT THAT IS REFERENCED ONLY ONCE:		0080 336 D1AUXNT11 EQU D1AUXNT11+1 XIENT WORK SPACE # 11
	285 * 1 CONSTANT CAN BE PLACED IN DIRECT AREA AND REFERENCED WITH A 'L' INST - THUS REQUIRING 2 CTRL STG WORDS TOTAL		337 *
	286 * 1 CONSTANT CAN BE PLACED IN DIRECT AREA AND REFERENCED WITH A 'L' INST - THUS REQUIRING 2 CTRL STG WORDS TOTAL		000F 338 D1AUXNT12 EQU D1AUXNT12+1 XIENT WORK SPACE # 12
	287 * 2 CONSTANT CAN BE PLACED IN REG BY 2 IN-LINE 'LI' INSTS WHICH HAVE THE LEFT AND RIGHT BYTES OF THE CONSTANT EMBEDDED IN THEM - THUS REQUIRING 2 CTRL STG WORDS TOTAL		339 *
	288 * 2 CONSTANT CAN BE PLACED IN REG BY 2 IN-LINE 'LI' INSTS WHICH HAVE THE LEFT AND RIGHT BYTES OF THE CONSTANT EMBEDDED IN THEM - THUS REQUIRING 2 CTRL STG WORDS TOTAL		340 *****
	289 * 2 CONSTANT CAN BE PLACED IN REG BY 2 IN-LINE 'LI' INSTS WHICH HAVE THE LEFT AND RIGHT BYTES OF THE CONSTANT EMBEDDED IN THEM - THUS REQUIRING 2 CTRL STG WORDS TOTAL		341 * SY *****
	290 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		0010 342 *****
	291 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		0010 343 D1AUXNT13 EQU D1AUXNT13+1 XIENT WORK SPACE # 13
	292 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		344 DICS *****
	293 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		345 *
	294 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		346 *****
	295 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		347 * SY *****
	296 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		348 *****
	297 * THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR CONSTANT SPL:T INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI INSTS.		0080 349 DMPR *****
	298 *****		350 *
	300 *****		351 *
	301 * 'NON-CONSTANT' NUCLEUS TRANSIENT AREA WORKSPACE.		0040 352 DMPR *****
	302 * THESE EIGHT WORDS MUST START AT THE FIRST WORD IN THE DIRECT AREA BECAUSE THEY ARE ALSO COMMON TO THE IMPL WRAP ROUTINES		353 *
	303 * THESE EIGHT WORDS MUST START AT THE FIRST WORD IN THE DIRECT AREA BECAUSE THEY ARE ALSO COMMON TO THE IMPL WRAP ROUTINES		354 *
	304 *****		0020 355 DMPR *****
	0000 305 D1AUXNTO EQU 0 XIENT WORK SPACE # 0		356 *
	0001 306 D1AUXNT1 EQU D1AUXNT1+1 XIENT WORK SPACE # 1		0008 359 DMPR *****
	0002 307 D1AUXNT2 EQU D1AUXNT2+1 XIENT WORK SPACE # 2		360 *
	0003 308 D1AUXNT3 EQU D1AUXNT3+1 XIENT WORK SPACE # 3		361 *
	0004 309 D1AUXNT4 EQU D1AUXNT4+1 XIENT WORK SPACE # 4		0004 362 PSIP *****
	0005 310 D1AUXNT5 EQU D1AUXNT5+1 XIENT WORK SPACE # 5		0002 363 PSIP *****
	0006 311 D1AUXNT6 EQU D1AUXNT6+1 XIENT WORK SPACE # 6		0001 364 MLCA *****
	0007 312 D1AUXNT7 EQU D1AUXNT7+1 XIENT WORK SPACE # 7		365 *****
	313 *		366 * CO *****
	0000 314 D1DSKTAB EQU D1AUXNTO DISK EXTENT TABLE (USED BY IPL ONLY)		367 *****
	0004 315 D1DSKTBL EQU 4 LENGTH OF A DISK EXTENT TABLE ENTRY		368 *
	316 *		369 *****
	317 *****		370 * CO *****
	318 * UNUSED WORDS		371 *****
	319 *****		0011 372 D1AUXNT14 EQU D1AUXNT14+1 XIENT WORK SPACE # 14
	0008 320 D1AUXNTO8 EQU D1AUXNT7+1 UNUSED		0012 373 D1AUXNT15 EQU D1AUXNT15+1 XIENT WORK SPACE # 15
			0013 374 D1AUXNT16 EQU D1AUXNT16+1 XIENT WORK SPACE # 16

14	0002 1904 SCAMJOBQ EQU X'02'	X'02' - REFORMAT JOBQ AT IPL	14	1958 *
	1905 *	IF NOT IPL, INPUT JOB QUEUE		1959 *
	1906 *	HAS BEEN POSTED		1960 *
15	0001 1907 SCAMSPB EQU X'01'	X'01' - ALLOCATE FILE ON 'B'	15	001A 1961 SC
	1908 *			001C 1962 SC
	0013 1909 SCADCFG2 EQU SCADCFG1+1	1 SSP CONFIGURATION OPTIONS		1963 *
16	0080 1910 SCAMNAT EQU X'80'	COMMAND LANGUAGE	16	001E 1964 SC
	0040 1911 SCAMPWF EQU X'40'	PASSWORD SECURITY		0020 1965 SC
	0020 1912 SCAMJOBQ EQU X'20'	JOB QUEUE		1966 *
17	0010 1913 SCAMSPOL EQU X'10'	SPOOL	17	0022 1967 SC
	0008 1914 SCAMDMK EQU X'08'	DISPLAY STATION DM TRANSIENT		0023 1968 SC
	0004 1915 SCAMDMR EQU X'04'	DISPLAY STATION DM RESIDENT		1969 *
18	1916 *	NOTE: IF 'DMK DMR' BOTH =1	18	0025 1970 SC
	1917 *	THEN RESIDENT/TRANSIENT		0027 1971 SC
	1918 *	VERSION OF DSDM SELECTED.		1972 *
19	0002 1919 SCAMMSG EQU X'02'	KEEP INFO. MESSAGES AT EQJ TR4	19	0029 1973 SC
	0001 1920 SCAMCDE EQU X'01'	COMMAND LANGUAGE IS ENGLISH		002B 1974 SC
	1921 *			002D 1975 SC
20	0014 1922 SCADCFG3 EQU SCADCFG2+1	1 COMMUNICATIONS FEATURES R3	20	1976 *

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	PAGE
01				*SVAT TCB ATTACH TRANSIENT	9
02	0009	321	DIASSAV@	EQU DIUNUS08+1 BEST FIT ASSIGN SAVE AREA 8	
	000A	322	DIXAMSWI	EQU DIASSAV@+1 EXAM SWAP IN CANDIDATE 6	
03	000B	323	DICURX28	EQU DIXAMSWI+1 CURRENT (EXAM@ - 28) 6	
	000C	324	DIWSCAF	EQU DICURX28+1 STORE FEATURE INFORMATION FOR ATOM @@255	
	000D	325	DIILDAR	EQU DIWSCAF+1 SAVED LOGICAL DISKETTE DATA ADDRESS @@184	
04		326 *			
		327		*****	
		328 *		POINTER TO SMF SID COUNTER AREA IN MAIN STORAGE *	
		329		*****	
05	000E	330	DISMF@	EQU DIILDAR+1 ADDR OF SMF SID COUNTER AREA IN MAIN STG.	
		331 *			
		332		*****	
06		333 *		MAIN STORAGE SIZE AND BAD 2K PAGE COUNTER WORD *	
		334		*****	
		335 *		THE FOLLOWING BIT IS SET IN THE HIGH BYTE IF NECESSARY	
07	0080	336	DIPGFULL	EQU X'80' BAD 2K PAGE ELEMENT IN M.S. IS FULL	
		337 *		NUMBER OF BAD 2K PAGES (HIGH BYTE)	
08	000F	338	DIMSIZ@	EQU DISMF@+1 MAIN STORAGE SIZE IN 2K PAGES (LOW BYTE)	
		339 *			
		340		*****	
09		341 *		SYSTEM INDICATOR WORD FOR SEGMENT ONE *	
		342		*****	
	0010	343	DIINDR1	EQU DIMSIZ@+1 SYSTEM INDICATOR WORD FOR SEG 1	
	0010	344	DICSTZ@	EQU DIINDR1 CONTROL STORAGE SIZE (LOW BYTE)	
10		345 *			
		346		*****	
		347 *		SYSTEM INDICATOR WORD BIT EQUATES (HIGH BYTE) *	
		348		*****	
11	0080	349	DMPROTECT	EQU X'80' DUMP FILE PROTECTED INDICATOR	
		350 *		* 0 - THE DUMP FILE IS NOT PROTECTED	
		351 *		* 1 - THE DUMP FILE IS PROTECTED	
12	0040	352	DMPINPRG	EQU X'40' STORAGE DUMP CURRENTLY IN PROGRESS	
		353 *		* 0 - NO DUMP IN PROGRESS	
		354 *		* 1 - STORAGE DUMP IN PROGRESS	
13	0020	355	DMPUSAC	EQU X'20' SUSPEND TASK FOR ADDRESS COMPARE DUMP 3	
		356 *		* 0 - DONT SUSPEND TASK FOR DUMP 3	
		357 *		* 1 - SUSPEND TASK AFTER DUMP 3	
		358 *		EQU X'10' UNUSED	
14	0008	359	MPIOBERR	EQU X'08' MULTI-PURPOSE IOB ERROR INDICATOR	
		360 *		* 0 - NO ERROR IN MULTI-PURPOSE IOB	
		361 *		* 1 - PERM DISK ERROR IN M.P. IOB	
15	0004	362	PSIPLF1	EQU X'04' IPL FROM DISK INDICATOR	
	0002	363	PSIPLI1	EQU X'02' IPL FROM DISKETTE INDICATOR	
16	0001	364	MLCA32K	EQU X'01' MLCA 32K CONTROLLER 8	
		365		*****	
17		366 *		CONTROL STORAGE SIZE IN SECTORS (LOW BYTE) *	
		367		*****	
		368 *			
		369		*****	
18		370 *		'CONSTANT' POINTERS TO CONTROL STORAGE ITEMS *	
		371		*****	
19	0011	372	DIST@	EQU DIST@+1 ADDR OF START OF REG STACK	
	0012	373	DISVIC@	EQU DIST@+1 ADDR OF IMMEDIATE SVC TABLE	
20	0013	374	DISUPMIN	EQU DISVIC@+1 MINIMUM NUMBER OF PAGES TO PARTIAL SWAP	

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*SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02		0014	375 D	
		0015	376 D	
03		0016	377 D	
		0017	378 D	
		0018	379 D	
04		380 *		
		381 *		
		382 *		
		383 *		
05		0019	384 D	
		001A	385 D	
		001B	386 D	
06		001C	387 D	
		388 *		
		389 *		
07		001D	390 D	
		001E	391 D	
		001F	392 D	
08		0020	393 D	
		0021	394 D	
		0022	395 D	
09		396 *		
		0023	397 D	
		398 *		
10		399 **		
		400 *		
		401 **		
11		0024	402 D	
		403 *		
		404 *		
12		0040	405 DS	
		0020	406 XA	
		0010	407 DS	
13		0008	408 DS	
		0004	409 DS	
		0002	410 DS	
14		0001	411 DS	
		412 *		
		413 *		
15		414 **		
		415 *		
		416 **		
16		0025	417 D	
		418 *		
		419 *		
		420 *		
17		0080	421 AD	
		0040	422 AD	
		0020	423 AD	
18		0010	424 AD	
		425 *		
19		0008	426 AD	
		0004	427 AD	
20		0002	428 AD	

19	1957 *	SIZE (SECTORS) OF VARIOUS WORK AREAS ON THE DISK. THESE				19	005
14	1958 *	POSSIBLE THE SS HAS BEEN DEFINED AS A 2 BYTE FIELD. THESE				14	005
	1959 *	RELATIONSHIP WITH THE SYSTEM CONFIGURATION RECORD, PART-1.					005
	1960 *						005
15	001A 1961	SCASSTWA EQU	SCADCMTR+2	2	SS OF TASK WORK AREA	15	005
	001C 1962	SCATWASZ EQU	SCASSTWA+2	2	SIZE OF TASK WORK AREA		005
	1963 *						005
16	001E 1964	SCAFVTOC EQU	SCATWASZ+2	2	SECTOR ADDRESS OF DISK VTOC	16	00E
	0020 1965	SCAFVTON EQU	SCAFVTOC+2	2	SIZE OF DISK VTOC		001E
	1966 *						001E
17	0022 1967	SCAIVTOC EQU	SCAFVTON+2	2	SS OF DISKETTE VTOC WORK AREA	17	005E
	0023 1968	SCAIVTON EQU	SCAIVTOC+1	1	SIZE OF DISKETTE VTOC WORK AREA		008
	1969 *						004
18	0025 1970	SCASIOSS EQU	SCAIVTON+2	2	SS OF SID TABLE DIRECTORY	18	0020
	0027 1971	SCALOGSS EQU	SCASIOSS+2	2	SS OF ERROR TABLE DIRECTORY		0010
	1972 *						000E
19	0029 1973	SCADSSMS EQU	SCALOGSS+2	2	SS OF MAIN STORAGE DUMP AREA	19	000A
	002B 1974	SCADSSCS EQU	SCADSSMS+2	2	SS OF CONTROL STORAGE DUMP AREA		0002
	002D 1975	SCADSSIO EQU	SCADSSCS+2	2	SS OF I/O PROCESSOR DUMP AREA		0001
	1976 *						0001

9	V09/11/81	12/08/81	21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 10	V09/11/81	12/08/81	21:28	#SVAT TCB ATTACH TRANSIENT
01				ERR LOC OBJECT CODE					ERR LOC OBJECT CODE
02	8			0014 375 DILATRA EQU	DISWPMIN+1	ADDR OF LOAD ATR ROUTINE IN SEGMENT 0			
				0015 376 DIREGPR EQU	DILATRA+1	ADDR OF START OF MSP REGISTER SAVE AREA			
03	00255	00184		0016 377 DISECA EQU	DIREGPR+1	SYSTEM COUNTER TABLE ADDRESS			
				0017 378 DITMVAL EQU	DISECA+1	ADDR OF HARDWARE TIMER VALUE			
				0018 379 DISWTCB EQU	DITMVAL+1	SWAPOUT TCB ADDRESS.			
04	*****			380 *					
	*			381 *****					00E
	*****			382 * 'NON-CONSTANT' CONTROL STORAGE POINTERS AND WORDS					00A
	*****			383 *****					002
05	STG.			0019 384 DIERRMIC EQU	DISWTCB+1	JOB TERMINATION ERROR MESSAGE NUMBER			
	*****			001A 385 DIERRTCB EQU	DIERRMIC+1	JOB TERMINATION ERROR TCB ADDRESS			
	*			001B 386 DIERRACE EQU	DIERRTCB+1	JOB TERMINATION ERROR ACE ADDRESS			001
06	*****			001C 387 DISTKPTR EQU	DIERRACE+1	ADDR OF CURRENT REGISTER STACK ENTRY			
	*****			388 *					
07				389 * THE FOLLOWING 6 WORDS ARE THE CURRENT LOADER PARM LIST VALUES					
				001D 390 DILDSS EQU	DISTKPTR+1	HIGH AND MIDDLE BYTE OF SS FIELD			
				001E 391 DILDOSN EQU	DILDSS+1	LOW SS BYTE AND NUMBER OF TEXT SECTORS			
08				001F 392 DILDLINK EQU	DILDOSN+1	LINK-EDIT ADDRESS			
	*****			0020 393 DILDSTRT EQU	DILDLINK+1	START CONTROL ADDRESS			002
	*			0021 394 DILDRTOT EQU	DILDSTRT+1	RLD DISPLACEMENT AND NUMBER OF TOTAL SECS			
	*****			0022 395 DILDLOAD EQU	DILDRTOT+1	MODULE LOAD ADDRESS			00E
09				396 *					00E
				0023 397 DIACVER EQU	DILDLOAD+1	A/D ADDRESS COMPARE VERIFY ADDRESS			00E
				398 *					00E
10	*****			399 *****					00A
	*			400 * TASK DISPATCHER CONTROL WORD					002
	*****			401 *****					001
11				0024 402 DIOSPFLG EQU	DIACVER+1	TASK MANAGEMENT FLAGS.			000
				403 *		HIGH BYTE			000
12				404 *		EQU X'80' UNUSED.			
				0040 405 DSPRGRST EQU	X'40'	TASK REGISTER RESTORE REQUIRED.			
				0020 406 XAREAREF EQU	X'20'	TRANSIENT AREA REFRESHABLE.			
13				0010 407 DSPACT EQU	X'10'	DISABLE TASK DISP, ALTER/DISPLAY ACTIVE.			
				0008 408 DSPFCUR EQU	X'08'	FORCE SWAPOUT OF CURRENT TASK.			
				0004 409 DSPERPND EQU	X'04'	DISABLE TASK DISP, MSP ERR PENDING			
14	3			0002 410 DSPHOLD EQU	X'02'	TEMPORARY REQUEST TO HOLD DISPATCHING			
	3			0001 411 DSPEXAM EQU	X'01'	EXAM INDICATOR 6			
	3			412 *		LOW BYTE			
15				413 *					
				414 *****					
				415 * ALTER/DISPLAY CONTROL WORD					
				416 *****					
16	8			0025 417 DIADCNL EQU	DIDSPFLG+1	ALTER/DISPLAY CONTROL WORD			002
	*****			418 *					008
	*			419 *		HIGH BYTE CONTROL BITS			004
17	*****			420 *					002
				0080 421 ADEXIT EQU	X'80'	EXIT ALTER/DISPLAY.			001
				0040 422 ADSYSDMP EQU	X'40'	ALTER/DISPLAY SYSTEM DUMP REQUEST.			000
				0020 423 ADINQURY EQU	X'20'	DISPLAY A/D OPTION MENU.			
				0010 424 ADTRACE EQU	X'10'	INSTRUCTION TRACE,STEP, ADDRESS COMPARE			
				425 *		ENTRY INTO ALTER/DISPLAY.			
19				0008 426 ADWAITNG EQU	X'08'	ALTER/DISPLAY WAITING.			002
				0004 427 ADACTIVE EQU	X'04'	ALTER/DISPLAY ACTIVE.			002
20				0002 428 ADITRMOD EQU	X'02'	A/D IN INSTRUCTION TRACE MODE.			

13	0053 2009 SCADBSCT EQU SCADPTUB+1 1 NUMBER OF USERS OF BSC DM 2010 *	13	00
	0055 2011 SCADVICE EQU SCADBSCT+2 2 ADDRESS OF DEVICE ALLOC TABLE 2012 *		00
14	0057 2013 SCADSEU@ EQU SCADVICE+2 2 ADDRESS SEU MEMBER CHAIN 0059 2014 SCADSEU@ EQU SCADSEU@+2 2 SEU QUEUE HEADER	14	00
	0059 2015 SCATPLW@ EQU SCADSEU@ 2 IPL WORK AREA 2016 *		00
15	005A 2017 SCADSLOG EQU SCADSEU@+1 1 SYSLOG ASSIGNED INDICATOR	15	00
	00E0 2018 SCAMPRT EQU X'E0' . SYSLOG ASSIGNED TO PRINTER		00
16	0010 2019 SCAMCRT EQU X'10' . SYSLOG ASSIGNED TO WORK STATION 2020 *	16	00
	0058 2021 SCASYS1 EQU SCADSLOG+1 1 SYSTEM CONFIGURATION BYTE 5		00
17	0080 2022 SCAMFERR EQU X'80' . X'80' - ERROR IN HISTORY FILE 0040 2023 SCAMIPLC EQU X'40' . X'40' - IPL-PROCESSING COMPLETE	17	00
	0020 2024 SCADVER EQU X'20' . X'20' - IPL-OVERRIDE RECEIVED		00
18	0010 2025 SCAM1PL EQU X'10' . X'10' - IPL-SIGN ON COMPLETE 0008 2026 SCAMBLO EQU X'08' . X'08' - IPL-FILE REBUILD	18	00
	0004 2027 SCAMEJCT EQU X'04' . X'04' - SYSLOG EJECT AT EQJ		00
19	0002 2028 SCAMCLOK EQU X'02' . X'02' - CONFIG RECORD LOCK 1R31 0001 2029 SCAMPREP EQU X'01' . X'01' - PREPARE REQUEST ISSUED	19	00
20	2030 *	20	00

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT PAGE 11 V09/11/81 12/08/81 21:28
02	0001	429	ADSTPMOD EQU X'01'	A/D IN INSTRUCTION STEP MODE.
		430	*	
03		431	* LOW BYTE	CONTROL BITS AND OFFSET INTO \$ADINIT
		432	*	OXREF TABLE THAT HAS DISK ADDRESSES OF
		433	*	A/D TRANSIENTS.
		434	*	
04	0080	435	ADSTOPN EQU X'80'	LEAVE STOP LATCH ON WHEN EXITING A/D.
	0040	436	ADSCO960 EQU X'40'	960 CHARACTER CRT SCREEN
05	0020	437	ADRSTOMP EQU X'20'	ON - RESET START DUMP. @224
		438	*	OFF - SYSTEM DUMP. @224
		439	*	USED IN CONJUNCTION WITH ADSYDMP. @224
06	0010	440	ADSTPTSK EQU X'10'	INSTRUCTION STEP BY TASK IS ACTIVE. @344
		441	*	
		442	*	LOW ORDER 4 BITS IS OFFSET INTO \$ADINIT OXREF TABLE.
		443	*	
07		444	*****	
		445	* SYSTEM FLAG WORD	*
		446	*****	
08	0026	447	DISYSFLG EQU DIADCNTL+1	SYSTEM FLAGS.
		448	*	HIGH BYTE
09	0080	449	TRALOAD EQU X'80'	MS XTENT AREA LOAD IN PROGRESS.
	0080	450	SWAPIO EQU X'80'	SWAP I/O IN PROGRESS.
	0080	451	TWALOAD EQU X'80'	TASK WORK AREA LOAD IN PROGRESS.
10	0080	452	LDINPROG EQU X'80'	M. S. LOADER AGE IN PROGRESS.
	0040	453	LDFCHREQ EQU X'40'	CURRENT M. S. LOADER REQ IS A FETCH
	0020	454	GETPANYP EQU X'20'	NS GETP ANY PAGE
11	0010	455	GETPHSIC EQU X'10'	NS GETP HAVE SWAP-IN-CANDIDATE
	0008	456	GETPNOTC EQU X'08'	NS GETP NOT COMPLETE
	0004	457	EXAM EQU X'04'	EXAM INDICATOR FOR NS GETP XTENT 6
		458	* EQU X'02'	UNUSED.
		459	* EQU X'01'	UNUSED.
		460	* LOW BYTE	
13		461	* EQU X'80'	UNUSED.
		462	* EQU X'40'	UNUSED.
		463	* EQU X'20'	UNUSED.
14		464	* EQU X'10'	UNUSED.
		465	* EQU X'08'	UNUSED.
		466	* EQU X'04'	UNUSED.
15		467	* EQU X'02'	UNUSED.
		468	* EQU X'01'	UNUSED.
		469	*	
16	0027	470	DIASRFLG EQU DISYSFLG+1	ASSIGN RECOVERY FLAG
	0080	471	ASGNERR EQU X'80'	PERMANENT ASSIGN FAILURE HAS OCCURRED.
	0040	472	AFINPROG EQU X'40'	ASSIGN RECOVERY IN PROGRESS.
17	0020	473	ASGNSEQ EQU X'20'	ASSIGN RECOVERY SEQUENCE HAS BEEN STARTED
	0010	474	ASGNPAGE EQU X'10'	A PAGE HAS BEEN ASSIGNED.
	0008	475	ASGNMATR EQU X'08'	ASR WAITER OUTSTANDING MUST RECOVER
18	000F	476	ASGNRTRY EQU X'0F'	MAXIMUM NUMBER OF RELOOPS
		477	* LOW BYTE	USED FOR A COUNTER
		478	*	
19	0028	479	DITMAB EQU DIASRFLG+1	TIMER MAB SAVE AREA.
	0029	480	DITPTOXH EQU DITMAB+1	TOX OF FIRST TQE ON QUEUE (HIGH.)
	002A	481	DITPTOXL EQU DITPTOXH+1	TOX OF FIRST TQE ON QUEUE (LOW.)
20		482	*	

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16	0076 2075 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE	17	0084 2127 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
17	0080 2074 SCAMCPL EQU X'80' . STOP COMPLETE MESSAGE SENT	17	0085 2129 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
18	0020 2076 SCAMJSE EQU X'20' . SPOOL WRITER/JOBQ EOJ REQUIRED	18	008A 2130 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
18	0010 2077 SCAMUSE EQU X'10' . WSDM SEND EOJ COMPLETION CODE	18	008B 2132 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
19	0008 2078 SCAMST EQU X'08' . SPOOL WRITER HAS BEEN STARTED	19	2133 *
19	0004 2079 SCAMJQS EQU X'04' . JOBQ HAS BEEN STARTED	19	008C 2134 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
19	0002 2080 SCAMSEC EQU X'02' . SECURITY IS ACTIVE	19	008D 2135 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
19	0001 2081 SCAMERP EQU X'01' . CALL I/O ERP TRANSIENT	19	0040 2136 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
20	2082 *	20	2137 *
20	0071 2083 SCADCP52 EQU SCADCP51+1 SWITCH BYTE TWO	20	0010 2138 SCADCPST EQU SCADCPST+1 SWITCH BYTE ONE
20	0080 2084 SCAMKEYS EQU X'80' . KEY SORT ALL FILES AT SHUT DOWN		

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*SVAT TCB ATTACH TRANSIENT		PAGE 12	09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	483	*	*****		
02	484	*	'CONSTANT' POINTERS TO MAIN STORAGE ITEMS		*
02	485	*	*****		
03	0028	486	DITCBHDR EQU	DITPTOXL+1	ADDR OF MAIN STORAGE TCB QUEUE
03	002C	487	DIMSATRS EQU	DITCBHDR+1	ADDR OF MAIN STORAGE ATR MAP
04	002D	488	DIFREEPT EQU	DIMSATRS+1	ADDR OF MAIN STORAGE FREE AREA
04	002E	489	DIMXNTPT EQU	DIFREEPT+1	ADDR OF MAIN STORAGE TRANSIENT AREA
04	002F	490	DIDSTQE EQU	DIMXNTPT+1	ADDR OF MAIN STORAGE DISPATCHER TQE
05	0030	491	DITRSVE EQU	DIDSTQE+1	SVC TRACE ADDRESS SAVE AREA
05	0031	492	DIMNTQE EQU	DITRSVE+1	ADDR OF MAIN STORAGE MIDNIGHT TQE
05	0032	493	DIXNTBL EQU	DIMNTQE+1	ADDR OF MAIN STORAGE XIENT TABLE-4
06	0033	494	DIXNTBL EQU	DIXNTBL+1	ADDR OF MAIN STORAGE XIENT ACE
06	0034	495	DIMPJOB EQU	DIXNTBL+1	ADDR OF MAIN STORAGE MULTI-PURPOSE JOB.
06	0034	496	DISWJOB EQU	DIMPJOB	ADDR OF MAIN STORAGE SWAP JOB.
07	0034	497	DITWJOB EQU	DIMPJOB	ADDR OF MAIN STORAGE TASK WORK AREA JOB.
07	0034	498	DIXJOB EQU	DIMPJOB	ADDR OF MAIN STG XIENT SCHEDULER JOB.
07	0034	499	DILDJOB EQU	DIMPJOB	ADDR OF MAIN STG RELOCATING LOADER JOB
08	0035	500	DISWACE EQU	DIMPJOB+1	ADDR OR MAIN STORAGE SWAP ACE.
08	0036	501	DIGPFLAG EQU	DISWACE+1	GENERAL POST FLAG WORD
08		502	*	HIGH BYTE	
09	0080	503	ASGNFAIL EQU	X'80'	SQS FAILURE INDICATOR
09	0040	504	DFAIL EQU	X'40'	DISK ENQUEUE FAILURE INDICATOR
09	0020	505	TASFAIL EQU	X'20'	TEST AND SET FAILURE INDICATOR
10	0010	506	WSQSFAIL EQU	X'10'	WSQS FAILURE POST CODE.
10		507	*	EQU X'08'	UNUSED.
10		508	*	EQU X'04'	UNUSED.
11		509	*	EQU X'02'	UNUSED.
11		510	*	EQU X'01'	UNUSED.
11		511	*		
12	0037	512	DISTKSAV EQU	DIGPFLAG+1	STACK POINTER SAVE AREA
12	0038	513	DIQHSAV EQU	DISTKSAV+1	SAVE AREA IN QUEUE ROUTINE FOR Q HEADER
12	0039	514	DIIJOB EQU	DIQHSAV+1	ADDR OF IPL JOB (VALID DURING IPL)
13	0039	515	DITRACE EQU	DIIJOB	ADDR OF DISK TRACE ACE (VALID FOR TRACE)
13	003A	516	DITRJOB EQU	DIIJOB+1	ADDR OF TRACE JOB
13	003B	517	DITRACE EQU	DITRJOB+1	ADDR OF MS INTERVAL TIMER ACE
14		518	*		
14		519	*****		
14		520	*	'CONSTANT' AND 'NON-CONSTANT' POINTERS TO MAIN STORAGE ITEMS	*
14		521	*****		
15	003C	522	DIFRCTCB EQU	DITRACE+1	FORCE OUT CURRENT TASK TCB ADDRESS
15	003D	523	DIDSPTCB EQU	DIFRCTCB+1	CURRENT MAIN STORAGE TCB ADDRESS
16	003E	524	DICURJCB EQU	DIDSPTCB+1	CURRENT JOB CONTROL BLOCK ADDRESS
16	003F	525	DIQUEUE EQU	DICURJCB+1	QUEUE HEADER START ADDRESS
16	0040	526	DIRTTABL EQU	DIQUEUE+1	RESOURCE TABLE ADDRESS IN MAIN STORE
17		527	*		
17		528	*****		
17		529	*	'NON-CONSTANT' POINTERS TO MAIN STORAGE ITEMS	*
17		530	*****		
18	0041	531	DII5WRK EQU	DIRTTABL+1	WORK AREA FOR USE ON IL5
18	0042	532	DISAVEIN EQU	DII5WRK+1	POST ROUTINE INPUT SAVE AREA
18	0043	533	DIIARS EQU	DISAVEIN+1	SAVE AREA FOR INPUT IAR VALUE
19	0044	534	DICURTCB EQU	DIIARS+1	ADDR OF MAIN STORAGE WORKING TCB
19	0045	535	DIXTCB EQU	DICURTCB+1	MS XIENT AREA OWNER.
20	0046	536	DILDACE EQU	DIXTCB+1	ADDR OF ACTIVE M.S. LOADER ACE

*SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE
01	
02	0047 537 DII5WRK EQU DII5WRK+1 WORK AREA FOR USE ON IL5
02	0048 538 DISAVEIN EQU DISAVEIN+1 SAVE AREA FOR INPUT IAR VALUE
03	0048 539 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
03	0049 540 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
03	00FF 541 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
04	004A 543 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
04	004B 544 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
04	004C 545 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
05	004D 546 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
05	004E 547 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
06	548 *
06	549 ***
06	550 *
07	551 ***
07	004F 552 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
07	553 *
08	554 *
08	0050 555 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
08	0051 556 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
09	0052 557 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
09	0053 558 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
09	0054 559 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
10	0055 560 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
10	0055 561 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
11	562 *
11	563 ***
11	564 *
11	565 ***
12	0056 566 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
12	0057 567 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
12	0058 568 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
13	0059 569 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
13	005A 570 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
13	005B 571 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
14	005C 572 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
14	005D 573 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
15	574 *
15	575 ***
15	576 *
15	577 ***
16	005E 578 DIIARS EQU DIIARS+1 ADDR OF MAIN STORAGE WORKING TCB
16	005F 579 DICURTCB EQU DICURTCB+1 MS XIENT AREA OWNER.
16	0060 580 DIRTTABL EQU DIRTTABL+1 RESOURCE TABLE ADDRESS IN MAIN STORE
17	0080 581 HPCB EQU HPCB+1 ADDR OF MAIN STORAGE WORKING TCB
17	0040 582 HPS EQU HPS+1 ADDR OF MAIN STORAGE WORKING TCB
17	0020 583 HPI EQU HPI+1 ADDR OF MAIN STORAGE WORKING TCB
18	0010 584 HPCB EQU HPCB+1 ADDR OF MAIN STORAGE WORKING TCB
18	0008 585 HPN EQU HPN+1 ADDR OF MAIN STORAGE WORKING TCB
18	0004 586 HPW EQU HPW+1 ADDR OF MAIN STORAGE WORKING TCB
19	0002 587 HPN EQU HPN+1 ADDR OF MAIN STORAGE WORKING TCB
19	0001 588 HPE EQU HPE+1 ADDR OF MAIN STORAGE WORKING TCB
20	000D 589 HPW EQU HPW+1 ADDR OF MAIN STORAGE WORKING TCB
20	590 *

16	2126 *	0084 2127 SCACSBTB EQU	SCADCPMB+2	2	CONTROL STORE ALLOCATE TABLE	
	2128 *					
		0085 2129 SCADXSLT EQU	SCACSBTB+1	1	I2 SLOT NUMBER (HEX)	I R31
17		008A 2130 SCADSL0T EQU	SCADXSLT+5	5	I2 SLOT NUMBER DECIMAL	I R31
	2131 *					
		008B 2132 SCADMQNT EQU	SCADSL0T+1	1	MESSAGE Q COUNT	
	2133 *					
18		008C 2134 SCADCSP1 EQU	SCADMQNT+1	1	CSP -----> MSP INTERFACE BYTE	
		0080 2135 SCAML255 EQU	X'80'		MICR ATTACHMENT ON SYSTEM	I R21
19		0040 2136 SCAMPANR EQU	X'40'		I2 DISKETTE ATTACHMENT	I R31
	2137 *		X'20'		RESERVED FOR ADDR COMPARE DUMP	
		0010 2138 SCAMPACDV EQU	X'10'		ERROR ON DUMP - PARTIAL DUMP TAKEN	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	0047	537	DISWTCBI EQU	D1LDACE@+1	SWAPIN TCB ADDRESS. #####
	0048	538	D1WTTCBA EQU	DISWTCBI+1	TASK WORK AREA TCB ADDRESS (SHARED)
	0048	539	D1LOTCCA EQU	D1WTTCBA	RELOCATING LOADER TCB ADDRESS (SHARED)
03	0049	540	D1LOGPT EQU	D1WTTCBA+1	ADDR OF NEXT TRACE LOG OUT ENTRY
	00FF	541	LOGTFULL EQU	X'FF'	STORAGE TRACE TABLE FULL
		542 *			(H) = X'FF' TRACE BUFFER IS FULL
04	004A	543	D1LOGLIM EQU	D1LOGPT+1	END ADDRESS OF TRACE BUFFER
	004B	544	D1CURAQE EQU	D1LOGLIM+1	CURRENT AQE
	004C	545	D1ASRTQE EQU	D1CURAQE+1	ASSIGN RECOVERY TQE ADDRESS.
05	004D	546	D1AQWRK EQU	D1ASRTQE+1	RESOURCE ENQUEUE/DEQUEUE WORK AREA
	004E	547	D1QSAVE EQU	D1AQWRK+1	SAVE AREA FOR MAB IN QUEUE ROUTINE
		548 *			
06		549	*****		
		550 *	'NON-CONSTANT' DISK ADDRESS POINTERS *		
		551	*****		
07	004F	552	D1LOGSSH EQU	D1QSAVE+1	SECTOR ADDRESS OF TRACE FILE, BUFFER SIZE
		553 *			(H) = SECTOR ADDRESS (L) OF TRACE FILE
		554 *			(L) = SIZE OF TRACE BUFFER (N)
08	0050	555	D1LOGSS EQU	D1LOGSSH+1	SECTOR ADDRESS OF TRACE FILE (H,M)
	0051	556	D1LOGSIZ EQU	D1LOGSS+1	TRACE FILE SIZE
	0052	557	D1LOGUSD EQU	D1LOGSIZ+1	TRACE FILE CURRENT POINTER (OFFSET)
09	0053	558	D1CURXNT EQU	D1LOGUSD+1	DISK ADDR OF XIENT CURRENTLY IN MS AREA
	0054	559	D1CSDUMP EQU	D1CURXNT+1	CONTROL STORAGE DUMP FILE SECTOR ADDRESS
	0055	560	D1CURTRB EQU	D1CSDUMP+1	CURRENT REQUEST BLOCK
10		0055	D1PREVRB EQU	D1CURTRB	
		562 *			
		563	*****		
11		564 *	MS. PROCESSOR REGISTER SAVE AREA *		
		565	*****		
12	0056	566	D1XR1 EQU	D1CURTRB+1	XR1
	0057	567	D1XR2 EQU	D1XR1+1	XR2
	0058	568	D1ARR EQU	D1XR2+1	ARR
13	0059	569	D1IAR EQU	D1ARR+1	IAR
	005A	570	D1PMRPSR EQU	D1IAR+1	PMR AND PSR
	005B	571	D1RQ EQU	D1PMRPSR+1	R AND Q BYTES
14	005C	572	D1INL12 EQU	D1RQ+1	INLINE PARAMETERS 1 2
	005D	573	D1INL34 EQU	D1INL12+1	INLINE PARAMETERS 3 4
		574 *			
		575	*****		
15		576 *	15 WORK AREAS FOR HP10CH *		
		577	*****		
16	005E	578	D1UNUSSE EQU	D1INL34+1	>>>> UNUSED <<<<
	005F	579	D1L5PCR EQU	D1UNUSSE+1	CMR/PCR SAVE AREA.
	0060	580	D1HPCSDA EQU	D1L5PCR+1	MSP CONTROL STATUS - CHNL DEVICE ADDR
17	0080	581	HPASGERR EQU	X'80'	ALIGN FAILURE HAS OCCURRED.
	0040	582	HPSTART EQU	X'40'	START THE MSP BEFORE EXIT
	0020	583	HP12SVCA EQU	X'20'	POST SVC FROM I2 IN PROCESS
18	0010	584	HPCSSVC EQU	X'10'	CS SVC REQUEST
	0008	585	HPNOTBSY EQU	X'08'	MSP NOT BUSY (NO TASK AVAILABL)
	0004	586	HPWAITING EQU	X'04'	MSP WAITING FOR START KEY
19	0002	587	HPNOSTRT EQU	X'02'	SUPPRESS START OF MSP
	0001	588	HPERRPND EQU	X'01'	ERROR PENDING, RECOVERY IN PROCESS
20	0000	589	HPHALTED EQU	HPNOTBSY+HPWAITING+HPERRPND	DO NOT START MSP
		590 *			

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16	0020 2180 SC
	2182 *
17	0008 2183 SC
	0004 2184 SC
	0002 2185 SC
18	0001 2186 SC
	2187 *
	0088 2188 SC
19	0044 2189 SC
	0022 2190 SC
20	0011 2191 SC
	2192 *

#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE
01	
02	0061 591 D
	0062 592 D
	593 *
03	0063 594 D
	595 **
	596 *
04	597 **
	0064 598 D
	0065 599 D
05	0066 600 D
	0067 601 D
	0068 602 D
06	0068 603 D
	0069 604 D
	0069 605 D
07	006A 606 D
	607 *
	608 **
08	609 *
	610 **
	006B 611 D
09	612 *
	613 **
	614 *
10	615 **
	616 *
	617 *
11	618 *
	006C 619 D
12	006D 620 D
	621 *
	006E 622 D
13	006F 623 D
	624 *
	0070 625 D
14	626 *
	003D 627 RC
	628 *
15	629 **
	630 *
	631 **
	632 *
16	0071 633 D
	634 *
17	0072 635 D
	636 *
	637 **
18	638 * #
	639 **
	640 *
19	0073 641 D
	0074 642 D
20	0075 643 D
	644 *

15	0080 2178 SCAPLIN1 EQU X'80'	. COMMUNICATIONS ON LINE 1	IR31	00A2 2232
	0040 2179 SCAPLIN2 EQU X'40'	. COMMUNICATIONS ON LINE 2	IR31	2233
	0020 2180 SCAPLIN3 EQU X'20'	. COMMUNICATIONS ON LINE 3	IR61	00A4 2234
16	0010 2181 SCAPLIN4 EQU X'10'	. COMMUNICATIONS ON LINE 4	IR61	2235
	2182 *			2236
	0008 2183 SCAPACU1 EQU X'08'	. AUTO CALL ON LINE 1	IR61	00A6 2237
17	0004 2184 SCAPACU2 EQU X'04'	. AUTO CALL ON LINE 2	IR61	2238
	0002 2185 SCAPACU3 EQU X'02'	. AUTO CALL ON LINE 3	IR61	00A7 2239
	0001 2186 SCAPACU4 EQU X'01'	. AUTO CALL ON LINE 4	IR61	2240
18	2187 *			0040 2241
	0088 2188 SCAPK211 EQU X'88'	. X.21 ON LINE 1	IR81	2242
	0044 2189 SCAPK212 EQU X'44'	. X.21 ON LINE 2	IR81	2243
19	0022 2190 SCAPK213 EQU X'22'	. X.21 ON LINE 3	IR81	2244
	0011 2191 SCAPK214 EQU X'11'	. X.21 ON LINE 4	IR81	2245
20	2192 *			2246

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#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01					01				
02	0061	591	D1HPCSTK EQU	D1HPCSDA+1	CURRENT STACK POINTER FOR CS SVCS FROM IL2	02	0080	64	
	0062	592	D1HPSTK EQU	D1HPCSTK+1	STACK POINTER FOR CS SVC REQUESTS FROM IL2		0040	64	
		593	*			0020	64		
03	0063	594	D1RNQSAV EQU	D1HPSTK+1	RESOURCE ENQUEUE/DEQUEUE SAVE AREA	03	0010	64	
		595	*****			0008	64		
		596	* 'ACE' BUILD AREA			0004	65		
04		597	*****			0002	65		
	0064	598	D1ACEIAR EQU	D1RNQSAV+1	ACE IAR VALUE	0001	65		
	0065	599	D1ACEMAB EQU	D1ACEIAR+1	ACE MAB VALUE	65			
05	0066	600	D1ACE12 EQU	D1ACEMAB+1	IN-LINE PARMS 1 AND 2	65			
	0067	601	D1ACE34 EQU	D1ACE12+1	IN-LINE PARMS 3 AND 4	00FC	65		
	0068	602	D1ACEXR1 EQU	D1ACE34+1	ACE XR1 VALUE	65			
06	0068	603	D1ACE10B EQU	D1ACEXR1	ACE 10B @ VALUE	65			
	0069	604	D1ACEXR2 EQU	D1ACE10B+1	ACE XR2 VALUE	65			
	0069	605	D1ACEPL@ EQU	D1ACEXR2	ACE PARAMETER LIST @ VALUE	65			
07	006A	606	D1ACETCB EQU	D1ACEXR2+1	TCB ADDRESS	66			
		607	*			66			
		608	*****			0076	66		
08		609	* ENTRY POINTS FOR ROUTINES IN THE FIRST SEGMENT OF CONTROL STORAGE *			66			
		610	*****						
	006B	611	D1SETSW@ EQU	D1ACETCB+1	SET ACTION CONTROL WORD ENTRY POINT				
09		612	*						
		613	*****						
		614	* MISCELLANEOUS CONSTANTS						
10		615	*****						
		616	*						
		617	* Q AND R BYTE PARMS FOR DISK READ/WRITE FUNCTIONS (USED BY NUDIO)						
11		618	*						
	006C	619	D1RDMS EQU	D1SETSW@+1	Q/R BYTES TO READ INTO MAIN STG				
	006D	620	D1RDCS EQU	D1RDMS+1	Q/R BYTES TO READ INTO CTRL STG				
12		621	*						
	006E	622	D1WRMS EQU	D1RDMS+1	Q/R BYTES TO WRITE FROM MAIN STG				
	006F	623	D1WRCS EQU	D1WRMS+1	Q/R BYTES TO WRITE FROM CTRL STG				
13		624	*						
	0070	625	D1DSTIME EQU	D1WRCS+1	DISPATCHER/ SWAP TIME INTERVALS				
		626	*		>> TASK TIMER INTERVAL: <<				
14	003D	627	RCTMINT EQU	61	>> 61 TIMER UNITS = 499.712 MSEC. <######				
		628	*						
		629	*****						
15		630	* NON CONSTANTS FOR MSP ERROR RETRY STORAGE CORRECTION						
		631	*****						
		632	*						
16	0071	633	D1HCSTG@ EQU	D1DSTIME+1	FAILING MS ADDRESS				
		634	*						
	0072	635	D1HCSTGD EQU	D1HCSTG@+1	CORRECTION FLAG / CORRECTED DATA				
17		636	*						
		637	*****						
		638	* ALTER/DISPLAY WORDS FOR ADDRESS COMPARE/VERIFY FUNCTION						
18		639	*****						
		640	*						
	0073	641	D1ACVERD EQU	D1HCSTGD+1	A/D ADDRESS COMPARE VERIFY DATA				
19	0074	642	D1ACTSK@ EQU	D1ACVERD+1	A/D ADDRESS COMPARE TASK ADDRESS				
	0075	643	D1ACCNTL EQU	D1ACTSK@+1	A/D ADDRESS COMPARE CONTROL WORD				
20		644	*		HIGH BYTE				

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Line	Address	Object Code	Equation	Value	Comment
15	2230 *				HISTORY FILE (1-8)
15	00A2 2232	SCADRSEC EQU	SCADCFG7+3	3	RESERVED FOR SECURITY USE
	2233 *				
16	00A4 2234	SCADHFWK EQU	SCADRSEC+2	2	SECTOR OFFSET OF VTDC ENTRY: IR31
	2235 *				HISTORY OVERFLOW FILE, #HISTOWF
	2236 *				
17	00A6 2237	SCADWRKA EQU	SCADHFWK+2	2	ADDRESS COMPARE WORKAREA ADDR IR31
	2238 *				
18	00A7 2239	SCADCFG8 EQU	SCADWRKA+1	1	SSP CONFIGURATION IR31
	2240 *	EQU	X'80'		RESERVED
18	0040 2241	SCAMPUSP EQU	X'40'		USE WORK STATION PRINTER IR61
	2242 *	EQU	X'20'		RESERVED
	2243 *	EQU	X'10'		RESERVED
19	2244 *	EQU	X'08'		RESERVED IR81
	2245 *	EQU	X'04'		RESERVED
20	2246 *	EQU	X'02'		RESERVED IR81

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Line	Address	Object Code	Equation	Value	Comment
01	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	0080 645	ADCTASK EQU	X'80'		STOP IF TASK ACTIVE
	0040 646	ADCREAL EQU	X'40'		REAL VERIFY ADDRESS
03	0020 647	ADCVERIFY EQU	X'20'		VERIFY STOP
	0010 648	ADCMATCH EQU	X'10'		STOP IF DATA MATCHES
	0008 649	ADCTBN EQU	X'08'		STOP IF BITS ARE ON
04	0004 650	ADCTBF EQU	X'04'		STOP IF BITS ARE OFF
	0002 651	ADCFND EQU	X'02'		ADDRESS COMPARE FOUND ON IL5
	0001 652	ADCDMPRQ EQU	X'01'		ADDRESS COMPARE DUMP REQUEST 3
	653 *				
05	654 *	EQUATE FOR SETTING OFF THE SOFTWARE ADDRESS COMPARE CONTROL BITS		3	
	00FC	ADCRESET EQU	ADCTASK+ADCREAL+ADCVERIFY+ADCMATCH+ADCTBN+ADCTBF	3	
	656 *				
06	657 *	LOW BYTE			TASK ATR ADDRESS OF VERIFY DATA
	658 *				
07	659	*****			
	660 *	END OF DIRECT AREA			*
	661	*****			
08	0076 662	DIEND EQU	DIACCNTL+1		LABEL FOR NEXT AVAILABLE WORD IN DRCT1
	663	*** END OF EXPANSION **			

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Line	Address	Object Code	Equation	Value	Comment
15	00B5 2284				
	2285				
	00B7 2286				
	2287				
16	00BF 2288				
	2289				
	00C0 2290				
	00B0 2291				
17	2292				
	2293				
	2294				
18	2295				
	2296				
	2297				
19	2298				
	2299				
20	00C2 2300				

Line	Address	Description	Quantity	Unit	Remarks
14	0085 2284	SCADADB3 EQU	SCADADB3+9	---	ADB3 STORAGE ADDRESS (R4)
	2285 *	EQU	SCADADB3+11		RESERVED
15	0087 2286	SCADADBR EQU	SCADCFGS+12	12	MSDM BRANCH TABLE (HIGH SIDE)
	2287 *	EQU			
16	008F 2288	SCADRSPC EQU	SCADADBR+8	8	RESERVED
	2289 *	EQU			
	00C0 2290	SCADCP54 EQU	SCADRSPC+1	1	COMMAND PROCESSOR SWITCH 4 (R6)
	0080 2291	SCADPHLD EQU	X'80'		VERY HIGH LEVEL DEDICATION
17	2292 *	EQU	X'40'		RESERVED
	2293 *	EQU	X'20'		RESERVED
	2294 *	EQU	X'10'		RESERVED
18	2295 *	EQU	X'08'		RESERVED
	2296 *	EQU	X'04'		RESERVED
	2297 *	EQU	X'02'		RESERVED
19	2298 *	EQU	X'01'		RESERVED
	2299 *	EQU			
20	00C2 2300	SCADPHLD EQU	SCADCP54+2	2	EXT. ADDRESS MAPPING (EXAM) (R6)

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Line	Object Code	Address	Statement	Description	Object Code
01					
02	0000 665 *	ECM EQU 0		00510000	0001
	0000 666	ECMPARM EQU 0			
03	0080 667	ECMNSKIP EQU X'80'			
	0040 668	ECMREAL EQU X'40'			
	0020 669	ECMTTC EQU X'20'			
04	0021 670	ECMIOERR EQU X'21'			
	0022 671	ECMIND EQU X'22'			
	0023 672	ECMTRM EQU X'23'			
05	0024 673	ECMTIMER EQU X'24'			
	0025 674	ECMPCOCL EQU X'25'			
	0026 675	ECMTAS EQU X'26'			
06	0027 676	ECMCSB EQU X'27'			
	0028 677	ECMSYSLG EQU X'28'			
	0001 678	ECMMASK EQU 1			
07	0080 679	ECMACTV EQU X'80'			
	0040 680	ECMCMPL EQU X'40'			
	681 *	EQU X'20'			
08	0010 682	ECMLOCK EQU X'10'			
	683 *	EQU X'08'			
	684 *	EQU X'04'			
	685 *	EQU X'02'			
	686 *	EQU X'01'			
09	0003 687	ECMGW EQU 3			
	0080 688	PREEMPT EQU X'80'			
10	0040 689	PLIFO EQU X'40'			
	690 ***	END OF EXPANSION **			
11					
12					
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	0080 2335 SCACKRST EQU X'80'	CHECKPOINT/RESTART CONFIGURED	
	2336 * EQU X'40'	RESERVED	
14	0020 2337 SCAMSMFC EQU X'20'	SMB FEATURE CONFIGURED	
	0010 2338 SCAMDFA EQU X'10'	DUMP FILE ANALYSIS	IR51
	0008 2339 SCAMTEXC EQU X'08'	T EXCHANGE	IR61
15	0004 2340 SCAMSUBS EQU X'04'	SUBCONSOLE SUPPORT	IR51
	0002 2341 SCAMUSAF EQU X'02'	SPOOL FILE ACCESS	IR51
	0001 2342 SCAMEDDM EQU X'01'	EXTENDED DISK DATA MAN.	IR61
16	2343 *		
	00C6 2344 SCADICSA EQU SCADCFG6+2	2 ICS COMMUNICATION AREA ADDR	IR41
	2345 *		
17	00CE 2346 SCADRFR EQU SCADICSA+8	8 RESERVED	
	2347 *		
	0006 2348 SCADUCFG EQU SCADRFR+8	8 UOT COMM CONFIGURATION	IR31
18	0005 2349 SCADUDT1 EQU SCADUCFG-1	LINE 1 CONFIGURATION (BYTE 0)	IR31
	0003 2350 SCADUDT2 EQU SCADUCFG-3	LINE 2 CONFIGURATION (BYTE 0)	IR31
	0001 2351 SCADUDT3 EQU SCADUCFG-5	LINE 3 CONFIGURATION (BYTE 0)	IR61
19	00CF 2352 SCADUDT4 EQU SCADUCFG-7	LINE 4 CONFIGURATION (BYTE 0)	IR61
	2353 *	NOTE -----> SEE COMPRESSED UNIT DEFINITION TABLE (UDT)	
20	2354 *	DESCRIPTION FOR DEFINITION OF BITS	

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#SVAT TCB ATTACH TRANSIENT		PAGE 17 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
00510000	02	692 * ERB	00530000
	0001	693 ERBDCHN EQU 1	CHAIN FIELD
		694 *	
	0002	695 ERBDVI EQU ERBDCHN+1	DEVICE ID
	0000	696 ERBDISK EQU X'D0'	DISKETTE; DEVICE ID 12/6/79 RJB
	00C3	697 ERBGATJ EQU X'C3'	GATJi TASK ID
	00A0	698 ERBDISK EQU X'A0'	DISK; DEVICE ID 12/6/79 RJB
	0080	699 ERBMILCA EQU X'80'	DEVICE ID ADDED FOR M.LCA
		700 *	
	0003	701 ERBDQHD EQU ERBDVI+1	Q HEADER DISPLACEMENT
		702 *	
	0004	703 ERBDCTL EQU ERBDQHD+1	ERP CONTROL
	0080	704 ERBBUSY EQU X'80'	THE ERB IS IN USE, AWAITING MS ACTION
	0040	705 ERBCDONE EQU X'40'	C.S. ROUTER OPERATION COMPLETED
	0020	706 ERBDONE EQU X'20'	M.S. ERB OPERATION HAS BEEN COMPLETED
	0010	707 ERBERR2 EQU X'10'	READY RESPONSE WAS A 2ND ERROR
	00F0	708 ERBMCTLM EQU X'F0'	MASK TO SET OFF ZONE BITS TO CHECK FUNC.
		709 * THE LOWER 4 BITS OF THIS BYTE ARE ENCODED WITH THE FUNCTION TO BE	
		710 * PERFORMED. CURRENTLY THE X'08' BIT IS NOT BEING USED. HOWEVER IT	
		711 * IS RESERVED FOR USE AS PART OF THE FUNCTION ENCODING SCHEME IF WE	
		712 * NEED TO ADD MORE THAN 2 FUNCTIONS TO THE EXISTING SET.	
	0007	713 ERBMIC EQU 7	GET ERROR MIC #
	0006	714 ERBMERCY EQU 6	PERFORM ERROR RECOVERY
	0005	715 ERBMMSG EQU 5	ISSUE MESSAGE
	0004	716 ERBMNRR EQU 4	WAIT FOR NOT-READY TO READY OR MSG RSPNSE
	0003	717 ERBMPUR EQU 3	PURGE MESSAGE
		718 * EQU 2	UNUSED
		719 * EQU 1	UNUSED
		720 * EQU 0	INVALID FUNCTION (DO NOT USE)
	000F	721 ERBMERR EQU X'0F'	ERR IN PROCESS IF ANY BIT ON
		722 *	
	0005	723 ERBDFLG EQU ERBDCTL+1	FLAG
	0080	724 ERBTMID EQU X'80'	PLACE TERMINAL ID IN THE MESSAGE
	0040	725 ERBMERRC EQU X'40'	PLACE 4 BYTE ERROR CODE IN THE LAST FOUR POSITIONS OF THE TEXT MESSAGE
		726 *	
	0020	727 ERBMNRRSP EQU X'20'	NO RESPONSE REQUIRED FOR INFO MESSAGE
	0010	728 ERBMNLOG EQU X'10'	DO NOT ATTEMPT TO LOG THIS ERROR
		729 * NOTE: IF ANY DEVICE REQUIRES A DEVICE DEPENDENT BIT IN THIS FLAG	
		730 * BYTE, PLEASE ASSIGN YOUR BITS STARTING WITH X'01' AND WORK	
		731 * UP FROM THAT END.	
		732 * WORKSTATION ERROR RECOVERY	
	0008	733 ERBMPST EQU X'08'	TUB POSTED COMPLETE WITH ERROR (CP ONLY)
	0004	734 ERBMRCY EQU X'04'	THIS ERB IS IN RETRY MODE
		735 * THE FOLLOWING TWO BITS (X'02' AND X'01' ARE ENCODED TO DEFINE 3 ERROR	
		736 * CONDITIONS. THE 4TH CONDITION IS UNUSED.	
	0003	737 ERBMERR EQU 3	RESOURCES UNAVAILABLE
	0002	738 ERBMERR EQU 2	HARDWARE ERROR
	0001	739 ERBMERR EQU 1	PROGRAMMING ERROR
		740 * EQU 0	UNUSED
		741 *	
		742 * DISK, DISKETTE, AND 1255 ERROR RECOVERY	
	0001	743 ERBPTASK EQU X'01'	POST TASK HAVING I/O ERROR TO CALL THE I/O ERROR TRANSIENT BACK INTO STORAGE.
		744 *	
		745 *	

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IR51
IR51
IR51
IR61
IR41
IR31
> IR31
> IR31
> IR61
> IR61
TABLE (UDT)
TS

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B21

01
02 00530000
03 9 RJB
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CHECK FUNC.
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09 R MSG RESPNSE
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13 PAGE
E LAST FOUR
14 MESSAGE
ROR
HIS FLAG
AND WORK
15
16 R (CP ONLY)
EFINE 3 ERROR
17
18
19 CALL THE
STORAGE.
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
		746 *		MLCA ERROR RECOVERY
0001	747	ERBCELOG	EQU X'01'	IF ON LOG TO CE TRACE AREA
		748 *		IF OFF LOG TO USER TRACE AREA
		749 *		
0006	750	ERBDCPA	EQU ERBDFLG+1	C P AID (OLD EQUATE VALUE)
0006	751	ERBDERA	EQU ERBDCPA	ERROR AID BYTE (NEW EQUATE VALUE)
0001	752	ERBIOER	EQU X'01'	I/O ERROR HAS OCCURED
0000	753	ERBNORM	EQU X'00'	NORMAL ER AID BYTE VALUE
		754 *		
0008	755	ERBDMIC	EQU ERBDCPA+2	MIC NUMBER
		756 *		
0009	757	ERBDOPT	EQU ERBDMIC+1	MIC OPTIONS
00F0	758	ERBSOPD	EQU X'F0'	'D' OPTION WAS TAKEN TO MESSAGE
0080	759	ERBSOPO	EQU X'80'	OPTION 0 WAS SELECTED
0040	760	ERBSOP1	EQU X'40'	OPTION 1 WAS SELECTED
0020	761	ERBSOP2	EQU X'20'	OPTION 2 WAS SELECTED
0010	762	ERBSOP3	EQU X'10'	OPTION 3 WAS SELECTED
0008	763	ERBAOPO	EQU X'08'	OPTION 0 IS ALLOWED
0004	764	ERBAOP1	EQU X'04'	OPTION 1 IS ALLOWED
0002	765	ERBAOP2	EQU X'02'	OPTION 2 IS ALLOWED
0001	766	ERBAOP3	EQU X'01'	OPTION 3 IS ALLOWED
		767 *		
000A	768	ERBDLN1	EQU ERBDOPT+1	LENGTH OF WS TUB ERB
		769 *		
000B	770	ERBDACE	EQU ERBDOPT+2	ACE ADDRESS
000C	771	ERBDLEN	EQU ERBDACE+1	LENGTH OF ERB
		772 ***		END OF EXPANSION **

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A21

14	001F 2425 SVCTIH EQU X'1F'	* TIMER INTERRUPT HANDLER
	0020 2426 SVCQS EQU X'20'	ALTER QUIESCE COUNTER
	0021 2427 SVCRENQ EQU X'21'	RESOURCE ENQUEUE
	0021 2428 SVCRDEQ EQU SVCRENQ	RESOURCE DEQUEUE
15	0022 2429 SVCDUMP EQU X'22'	DUMP MAIN STORAGE/TERMINATE TASK
	0023 2430 SVCTEST EQU X'23'	TEST AND SET
	0024 2431 SVCPRIQ EQU X'24'	TCB PRIORITY QUEUE
16	0025 2432 SVCROYCK EQU X'25'	ASYNCHRONOUS TASK READY CHECK.
	0026 2433 SVCPREP EQU X'26'	PREPARE PRINTER OUTPUT
	0027 2434 SVCDSPCH EQU X'27'	DISPATCHER SVC
17	0028 2435 SVCPRPT EQU X'28'	REMOTE PRINTER SET UP.
	0029 2436 SVCSQ EQU X'29'	SECTOR ENQUEUE/DEQUEUE
	002A 2437 SVCMOVI EQU X'2A'	MOVE DATA BY ID
18	002B 2438 SVCPOSTI EQU X'2B'	POST TASK BY ID
	002C 2439 SVCQWAIT EQU X'2C'	QUIESCE COUNTER WAIT
	002D 2440 SVCTXAF EQU X'2D'	TRANSLATED ASSIGN/FREE
19	002E 2441 SVCTOD EQU X'2E'	RETURN TIME-OF-DAY IN TIMER UNITS
	2442 *	
20	2443 *	**--INDICATES NOT USEABLE FROM MAIN STORE

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*SVAT TCB ATTACH TRANSIENT				PAGE 19 V09/11/81 12/08/81 21:28			
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		774 *	#EQU	00536000			
		775 *					
03		0001 776 XR1	EQU 1 REGISTER ONE				
		0002 777 XR2	EQU 2 REGISTER TWO				
		0004 778 PSR	EQU 4 PROGRAM STATUS REGISTER				
04		0008 779 ARR	EQU 8 ADDRESS RECALL REGISTER				
		0010 780 IAR	EQU 16 INSTRUCTION ADDRESS REGISTER				
		0001 781 IOB	EQU 1 IOB POINTER				
		0002 782 DTF	EQU 2 DTF POINTER				
05		783 *					
		0000 784 #	EQU 0 ALTERABLE CODE				
		0000 785 ##	EQU 0 ALTERABLE CODE				
06		0002 786 @	EQU 2 LENGTH OF ADDRESSES				
		787 *					
		0040 788 BLANK	EQU C' ' BLANK CHARACTER				
07		0000 789 ZERO	EQU 0 **				
		0001 790 ONE	EQU 1 * *				
		0002 791 TWO	EQU 2 * *				
08		0003 792 THREE	EQU 3 * *				
		0004 793 FOUR	EQU 4 * *				
		0005 794 FIVE	EQU 5 * * SELF DEFINING TERMS				
09		0006 795 SIX	EQU 6 * *				
		0007 796 SEVEN	EQU 7 * *				
		0008 797 EIGHT	EQU 8 * *				
10		0009 798 NINE	EQU 9 **				
		799 *					
		0010 800 TRUE	EQU X'10' TRUE CONDITION CODE				
11		0090 801 FALSE	EQU X'90' FALSE CONDITION CODE				
		0087 802 UNCOND	EQU X'87' UNCONDITIONAL CONDITION CODE				
		803 *					
12		0080 804 NOOP	EQU X'80' NEVER BRANCH				
		0000 805 NOBIT	EQU X'00' NO BITS MASK				
		000F 806 NUMBITS	EQU X'0F' NUMERIC BITS ONLY MASK				
13		00F0 807 ZONEBITS	EQU X'F0' ZONE BITS ONLY MASK				
		00FF 808 ALLBIT	EQU X'FF' ALL BITS MASK				
		0080 809 BIT0	EQU X'80' MASK FOR BIT 0 - X.....				
14		0040 810 BIT1	EQU X'40' MASK FOR BIT 1 - .X.....				
		0020 811 BIT2	EQU X'20' MASK FOR BIT 2 - ..X....				
		0010 812 BIT3	EQU X'10' MASK FOR BIT 3 - ...X....				
15		0008 813 BIT4	EQU X'08' MASK FOR BIT 4 -X...				
		0004 814 BIT5	EQU X'04' MASK FOR BIT 5 -X..				
		0002 815 BIT6	EQU X'02' MASK FOR BIT 6 -X.				
16		0001 816 BIT7	EQU X'01' MASK FOR BIT 7 -X				
		817 *					
		0008 818 IARX	EQU X'08' IAR TRANSLATED				
17		0004 819 OP2	EQU X'04' OP2 TRANSLATED				
		0002 820 OP1	EQU X'02' OP1 TRANSLATED				
		0000 821 PRV	EQU X'00' TASK PRIVILEGED				
18		** 822 NRPV	EQU X'01' TASK NOT PRIVILEGED				
		0080 823 DSABL	EQU X'80' DISABLING AND ENABLING				
		824 ***	END OF EXPANSION **				

01	*SVAT TCB ATTACH TRANSIENT
01	ERR LOC OBJECT CODE

A22

13	0019 2478 QNUNV EQU QNUN+QWAIT+QWAIT NON-VOLUNTARY SWAPPABLE WAIT	8
14	0018 2479 QNCHPRI EQU QNCH+QWAIT NOT CHANGE PRIORITY ON WAIT	
15	0009 2480 QSPEC EQU QWAIT+QWAIT SPECIFIC WAIT ON NON-ECM. 2481 *	
16	00F4 2482 SVCOP EQU X'F4' SVC OP CODE VALUE	
17	00F5 2483 SVCXFR EQU X'F5' SVC TRANSFER OP CODE	
18	2484 *** END OF EXPANSTON **	
19		
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B23

19	V09/11/81 12/08/81 21:28
01	00536000
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSTENT PAGE 20 V09/11/81 12/08/81 21:28
02		826 *		F1EQU 00550000
03		828 *		*****
04		829 *		*
05		830 *		DISK FORMAT-1 *
06		831 *		*
07		832 *		*****
08	0000	834	F1ADDFLG EQU	0 LATEST DATE INDICATOR
09	005C	835	F1AMLTST EQU	C '*' FILE HAS LATEST DATE FOR THIS LABEL
10	0008	837	F1ADLBL EQU	F1ADDFLG+8 FILE LABEL
11	0001	838	F1AMSYSF EQU	X'01' 'SYSTEM FILES' MUST HAVE A LABEL WHICH
12		839 *		BEGINS WITH X'01'
13	0008	841	F1ADDATE EQU	F1ADLBL+3 CREATION DATE
14	0008	843	F1ADSDIR EQU	F1ADDATE LIBRARY - START OF DIRECTORY
15	000C	845	F1ADTYPE EQU	F1ADDATE+1 FILE TYPE
16	0080	846	F1AMINDX EQU	X'80' BIT ON = INDEXED FILE
17	0040	847	F1AMCONS EQU	X'40' BIT ON = CONSECUTIVE FILE
18	0020	848	F1AMDIRC EQU	X'20' BIT ON = DIRECT FILE
19	0010	849	F1AMRDFL EQU	X'10' BIT ON = I1 UNIT, BIT OFF = F1 UNIT
20	0008	850	F1AMPERM EQU	X'08' BIT ON = PERMANENT FILE ('P')
21	0004	851	F1AMTEMP EQU	X'04' BIT ON = TEMPORARY FILE ('T')
22	0002	852	F1AMJOBR EQU	X'02' BIT ON = JOB FILE ('J')
23	0001	853	F1AMSCRT EQU	X'01' BIT ON = SCRATCH FILE ('S')
24	000D	855	F1ADSFLG EQU	F1ADTYPE+1 FLAG BYTE
25		857 *		*****
26		858 *		THE FOLLOWING FOUR BIT MASKS ARE VALID ONLY IF 'F1AMINDX' IS ON *
27		859 *		*****
28	0080	861	F1AMSORT EQU	X'80' BIT ON = SORT KEYS
29	0040	862	F1AMRGE EQU	X'40' BIT ON = MERGE KEYS
30	0010	863	F1AMPCK EQU	X'10' BIT ON = UNORDERED LOAD
31		864 *		(CHECK DUPLICATE KEYS)
32	0008	865	F1AMXNFG EQU	X'08' BIT ON = INVALID INDEX
33		866 *		(KEYSORT MAYBE IN PROCESS)
34		868 *		*****
35		869 *		THE FOLLOWING BIT MASKS FOR X'80' ARE VALID ONLY IF 'F1AMINDX' IS *
36		870 *		OFF *
37		871 *		*****
38	0080	873	F1AMSCHD EQU	X'80' SEC'DR M'X# 'R'AF'AN ...
39	0080	875	F1AMSCLB EQU	X'80' SEC'DR M'X# 'R'AF'AN ...
40		876 *		(IF F1ADRECL = X'0000')
41	0020	878	F1AMNEW EQU	X'20' BIT ON = NEW FILE
42	0004	879	F1AMSPAI EQU	X'04' SPINDLE A1 REQUESTED ORIGINALLY

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19	00
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A23

15	2523 *58 LDDSK * INVCT * * ASGQ * * EXIT * * ***** 2526 *60	15	0002 257 0003 257
16	2527 * TQE ***** 2529 *68 * * * * * * * * * * * *	16	0080 258 0040 258
17	2530 * SQBCT * LCKMK * SSTID * TSKID * * * * * * * * * * * * * * * * * * ***** 2531 ***** 2532 *70CATH * * * * * * * * * * * *	17	0020 258 0010 258 0008 258
18	2533 * ANJCT * CAT * MRTMK * NSCNT * * * * * * * * * * * * * * * * * * ***** 2534 ***** 2535 *78 * * * * * * * * * * * *	18	0004 258 0002 258 258
19	2536 * BAT * SUSPS * SMFPT * * * * * * * * * * * * * * * * * * ***** 2537	19	0004 259
20		20	0080 259

B24

01	#SVAT TCB ATTACH TRANSIENT	PAGE 21	V09/11/81 12/08/81 21:28	01	#SVAT TCB ATTACH TRANSIENT
02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT			02	ERR LOC OBJECT CODE ADDR S
00550000	0002 880 FIAMSPA2 EQU X'02' SPINDLE A2 REQUESTED ORIGINALLY				
03	882 * IF BOTH OF THE PREVIOUS TWO BITS ARE OFF, THEN NO ORIGINAL SPINDLE 883 * PREFERENCE WAS SPECIFIED			03	001E
04	0001 885 FIAMLBFL EQU X'01' BIT ON = LIBRARIAN FILE			04	
05	000F 887 FIADRECL EQU FIADSFLG+2 RECORD LENGTH			05	
06	0010 889 FIADHIGH EQU FIADRECL+1 HIGH ORDER BYTE OF BLOCKS/RECORDS FIELD 0080 890 FIAMBLRN EQU X'80' BIT ON = FILE ALLOCATED WITH BLOCKS, 891 * BIT OFF = FILE ALLOCATED WITH RECORDS			06	001F
07	0012 892 FIADBLKN EQU FIADRECL+3 BLOCKS USED TO ALLOCATE THE FILE 0012 893 FIADRECN EQU FIADRECL+3 RECORDS USED TO ALLOCATE THE FILE			07	0020 0080
08	0011 895 FIADLBOW EQU FIADRECL+2 LIBRARY - OWNER QUEUE POINTER			08	0021
09	0012 897 FIADLBUS EQU FIADLBOW+1 LIBRARY - COUNT OF CURRENT USERS			09	0022 0080 0040 0020
10	0015 899 FIADLSTR EQU FIADRECN+3 RELATIVE RECORD NUMBER OF NEXT RECORD			10	0010
11	0015 901 FIADSMEM EQU FIADLSTR LIBRARY - START OF MEMBERS			11	0008 0004
12	0015 903 FIADRFSST EQU FIADLSTR START SSS OF RESERVED AREA FREE SPACE 904 * (3 BYTES)			12	0002 0001
13	0018 906 FIADSTDA EQU FIADLSTR+3 SSS OF START OF DATA			13	0023
14	001B 908 FIADENDA EQU FIADSTDA+3 SSS OF END OF EXTENT			14	0080 0040 0020 0010 0008
15	001D 910 FIADVTOC EQU FIADENDA+2 RELATIVE S/D OF VTOC ENTRY			15	0025 0027
16	912 *----- 913 * @419 914 * RE-DEFINITION OF 'FIADVTOC' FOR RELEASE 8 @419			16	
17	915 * @419 916 * BYTE 0 1 @419 917 * @419			17	
18	918 * BIT 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 @419 919 * @419 920 *RESERVED = 0 @419			18	
19	921 *OFFSET = X X X @419 922 *RESERVED = 0 @419 923 *RESERVED NUMB @419			19	
20	924 * @419 925 * WHERE 'XXX' IS DEFINED BELOW: @419 926 * @419 927 * @419			20	
0010	928 FIAMV1ST EQU B'00010000' FIRST FORMAT-1 IN SECTOR @419 (ALSO INCREMENTS OFFSET) @613				
0020	930 FIAMV2ND EQU B'00100000' SECOND FORMAT-1 IN SECTOR @419				
0030	931 FIAMV3RD EQU B'00110000' THIRD FORMAT-1 IN SECTOR @419				
0040	932 FIAMV4TH EQU B'01000000' FOURTH FORMAT-1 IN SECTOR @419				
0070	933 FIAMVALL EQU B'01110000' CLEARS OFFSET @419				

A24

16	0003 2579 TCBWMSK2 EQU TCBWMSK+1	SECOND WAIT MASK	16	00
17	0080 2581 TCBPTRWT EQU X'80'	. PRINTER ALLOCATE FAILURE	17	00
17	0040 2582 TCBLINJT EQU X'40'	. COMM. LINE ALLOCATE FAILURE	17	00
17	0020 2583 TCBDKTWT EQU X'20'	. DISKETTE ALLOCATE FAILURE	17	00
17	0010 2584 TCBDSKWT EQU X'10'	. DISK SPACE ALLOCATION FAILURE	17	00
17	0008 2585 TCBDEWJT EQU X'08'	. OTHER DEVICES ALLOCATION FAILURE	17	00
18	0004 2586 TCBICXWT EQU X'04'	. ICS TRANSIENT WAITOR	18	00
18	0002 2587 TCBASRWT EQU X'02'	. ASSIGN RECOVERY FORCED WAITER	18	00
18	2588 * EQU X'01'	. RESERVED	18	00
19	0004 2590 TCBSTAT3 EQU TCBWMSK2+1	TCB STATUS BYTE 3	19	00
20	0080 2592 TCBTERM EQU X'80'	. TASK IS IN TERMINATION	20	00

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01						01					
02						02					
03		001E	935	F1AL1VTA EQU	F1ADVTOC+1	LENGTH OF THE FIRST VTOC AREA	03				
04		937	*								
04		938	*								
04		939	*								
05		940	*								
05		941	*								
05		942	*								
06		001F	944	F1ADFCHN EQU	F1ADVTOC+2	FORWARD CHAIN POINTER	06				
07		0020	946	F1ADATT1 EQU	F1ADFCHN+1	ATTRIBUTE BYTE ONE	07				
07		0080	947	F1AMXTND EQU	X'80'	EXTEND CAPABLE FILE	07				
08		0021	949	F1ADCONT EQU	F1ADATT1+1	COUNT OF CURRENT USERS	08				
09		0022	951	F1ADATTR EQU	F1ADCONT+1	ATTRIBUTE BYTE THREE	09				
09		0080	952	F1AMOTAD EQU	X'80'	BIT ON = FILE OPENED AS OUTPUT OR ADD	09				
09		0040	953	F1AMKBPR EQU	X'40'	BIT ON = KEY BUCKET HAS BEEN PRIMED	09				
09		0020	954	F1AMINFR EQU	X'20'	BIT ON = INDEXED PORTION OF F1 HAS BEEN	09				
10		955	*			FREED BY ALLOCATE	10				
10		0010	956	F1AMHKAS EQU	X'10'	BIT ON = HIGH KEY BUCKET ASSIGNED	10				
10		957	*			(NOT TO BE USED BY TERMINATION)	10				
11		0008	958	F1AMNREC EQU	X'08'	BIT ON = NON-FORMATTED FILE	11				
11		959	*			(VALID IN THE VTOC)	11				
11		0004	960	F1AMDNFG EQU	X'04'	BIT ON = INVALID DATA AREA	11				
11		961	*			(VALID IN THE VTOC)	11				
12		0002	962	F1AMRFIL EQU	X'02'	BIT ON = FILE ALLOCATED IN RESERVE AREA	12				
12		0001	963	F1AMDLMV EQU	X'01'	BIT ON = OFF-LINE MULTI-VOLUME FILE	12				
12		964	*			(VALID IN THE VTOC)	12				
13		0023	966	F1ADATT2 EQU	F1ADATTR+1	ATTRIBUTE BYTE TWO - THIS BYTE IS	13				
13		967	*			SUPPORTED IN BOTH THE AFA AND THE VTOC	13				
14		968	*			EXCEPT FOR A LIBRARY FORMAT-1	14				
14		0080	969	F1AMSCFL EQU	X'80'	SECURE FILE	14				
15		0040	970	F1AMCKPT EQU	X'40'	CHECKPOINT ACTIVE FILE	15				
15		0020	971	F1AMDLC EQU	X'20'	DELETE CAPABLE FILE	15				
15		0010	972	F1AMIFIL EQU	X'10'	IMMEDIATE ACCESS FILE (IFILE)	15				
16		0008	973	F1AMGASK EQU	X'08'	IFILE GAPS ADDED SINCE LAST KEYSORT	16				
17		0025	975	F1ADQINR EQU	F1ADATT2+2	OWNER QUEUE POINTER	17				
17		0027	976	F1ADDFQ EQU	F1ADQINR+2	EDF QUEUE POINTER	17				
18		979	*			END SSS OF RESERVED AREA FREE SPACE	18				
18		981	*				18				
19		982	*				19				
19		983	*				19				
19		984	*				19				
20		985	*				20				

17	0080 2637 TCBPRUDL EQU X'80'	LOW PRIORITY	17	005F 2691 TC
	0006 2639 TCBTTIME EQU TCBPRIOR+1	TASK RESIDUAL TIME INTERVAL.		0067 2692 TC
18	0007 2641 TCBQCNT EQU TCBTTIME+1	QUIESCE COUNTER	18	0068 2693 TC
	0009 2642 TCBCHPLQ EQU TCBQCNT+2	TASK EVENT CONTROL QUEUE HEADER		0069 2694 TC
19	2643 *AAAAAAAAAAAAA	THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAAA	19	0080 2695 TC
	0008 2645 TCBPUSH EQU TCBCHPLQ+2	PUSH ELEMENT Q-HEADER		0040 2696 TC
20	000D 2646 TCBCHAIN EQU TCBPUSH+2	SYSTEM EXISTENCE QUEUE CHAINING FIELD	20	0020 2697 TC
				0008 2699 TC
				0004 2700 TC

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*SVAT TCB ATTACH TRANSIENT			PAGE 23	V09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	986 *	FREED BY ALLOCATE FOR NON-INDEXED FILES	*			
	987 *		*			
	988 *	*****				
03	0028 990	F1ADKEYL EQU F1ADEDFQ+1 KEY LENGTH				
04	002A 992	F1ADKEYO EQU F1ADKEYL+2 KEY LOCATION				
05	002E 994	F1ADLSTK EQU F1ADKEYO+4 SSS/D OF NEXT KEY				
	0031 996	F1ADSTIX EQU F1ADLSTK+3 SSS OF START OF INDEX				
06	0035 998	F1ADLSTP EQU F1ADSTIX+4 SSS/D OF LAST PRIME KEY				
07	0039 1000	F1ADHOKY EQU F1ADLSTP+4 SSS/D OF HIGHEST KEY IN OVERFLOW AREA				
	0012 1002	F1AL2VTA EQU F1ADHOKY-F1ADEDFQ LENGTH OF THE SECOND VTOC AREA				
08	1004 *	*****				
	1005 *		*			
09	1006 *	THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1	*			
	1007 *	FOR INDEXED FILES	*			
	1008 *		*			
	1009 *	*****				
10	003B 1011	F1ADKBKT EQU F1ADHOKY+2 KEY BUCKET POINTER				
11	003D 1013	F1ADPCBQ EQU F1ADKBKT+2 FILE POSITION CONTROL BLOCK POINTER				
	003F 1014	F1ADRES3 EQU F1ADPCBQ+2 RESERVED FOR FUTURE USE				
12	0028 1016	F1ALLGCD EQU F1ADEDFQ+1 LENGTH OF A FORMAT-1 FOR CONSECUTIVE AND				
	1017 *	DIRECT FILES (40)				
13	0040 1019	F1ALLGIN EQU F1ADRES3+1 LENGTH OF AN F1 FOR INDEXED FILES (64)				
14	0020 1021	F1ALLGLB EQU F1ADFCBN+1 LENGTH OF A LIBRARY FORMAT-1 (32)				
15	1023 *	*****				
	1024 *	*****				
	1025 **	THE FOLLOWING LABELS ARE USED BY \$PACK TO INDICATE THAT A SYSTEM	**			
16	1026 **	FAILURE OR PERMANENT I/O ERROR OCCURRED BEFORE \$PACK HAD COMP-	**			
	1027 **	LETELY MOVED THE FILE, WHERE PART OF THE FILE MAY HAVE BEEN	**			
	1028 **	OVERLAYED DURING THE MOVE OPERATION.	**			
	1029 **		**			
17	1030 **	IF \$PACK IS ABLE TO MOVE THE FILE SUCCESSFULLY, THESE FIELDS ARE	**			
	1031 **	SET TO ZERO.	**			
	1032 **		**			
18	1033 **	THE VALUES STORED IN THIS AREA ALLOW \$PACK TO RESTART WITHOU	**			
	1034 **	LOSING ANY DATA IF THE ABOVE ERROR(S) SHOULD OCCUR DURING	**			
	1035 **	EXECUTION.	**			
19	1036 *	*****				
	1037 *	*****				

A26

*SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE
02	001E 1039
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	00FF 1041
03	1042
	0021 1043
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04	0027 1045
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R

 G FIELD

16	005D 2689 TCBSAGNQ EQU TCBINVT+2	ASSIGNED ELEMENTS QUEUE
	005F 2690 TCBSAGNQ EQU TCBINVT+2	ASYNCHRONOUS EXIT ADDRESS.
17	005F 2691 TCBAFAIL EQU TCBEIT	CP ASSIGN FAILURE INDICATOR BYTES
	0067 2692 TCBTQE EQU TCBEIT+8	TIMER QUEUE ELEMENT.
	0068 2693 TCBSQBCT EQU TCBTQE+1	COUNT OF SECTOR QUEUE REQUESTS
18	0069 2694 TCBLCKPK EQU TCBSQBCT+1	COUNT OF LOCK REQUESTS
	0080 2695 TCBLCKDI EQU X'80'	INTERLOCK FOR DEDICATION
	0040 2696 TCBLCKSI EQU X'40'	INTERLOCK FOR SCHEDULER
19	0020 2697 TCBLCKVI EQU X'20'	INTERLOCK FOR VTDC
	0010 2698 TCBLCKSI EQU X'10'	INTERLOCK FOR FORMAT 5
	0008 2699 TCBLCKPI EQU X'08'	INTERLOCK FOR PROC NAME
20	0004 2700 TCBLCKHI EQU X'04'	INTERLOCK FOR HISTORY FILE

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B27

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FLOW AREA

C AREA

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 FORMAT-1 *
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POINTER

SECUTIVE AND

FILES (64)

(32)

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01	#SVAT	TCB ATTACH TRANSIENT	PAGE 24	V09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE	STATEMENT		
02	001E 1039	FIFLAG EQU	F1ADVTC+1	1-BYTE FLAG INDICATING THAT RESTART OF \$PACK IS REQUIRED FOR THIS FILE.		
	1040 *					
03	00FF 1041	FIRESTR EQU	X'FF'	SWITCH VALUE THAT IS PLACED IN FIFLAG IF RESTART IS NECESSARY.		
	1042 *					
04	0021 1043	FISSTR EQU	FIFLAG+3	POINTS TO START SSS OF DATA THAT HAS BEEN MOVED BY \$PACK.		
	1044 *					
04	0027 1045	FISSEND EQU	F1ADEDFQ	POINTS TO END SSS OF DATA THAT HAS BEEN MOVED BY \$PACK.		
	1046 *					
05	1048	***	END OF EXPANSION **			
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#SVAT TCB ATTACH TR

ERR LOC OBJECT CODE

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16	0040 2742 TCBATTCH EQU X'40'	ATTACH YES
	0020 2743 TCBSYSTEM EQU X'20'	SYSTEM TASK - NOT SUSPENDABLE
	0010 2744 TCBABTRM EQU X'10'	TASK IS IN ABNORMAL TERMINATION
17	0008 2745 TCBZ2RCS EQU X'08'	RECURSIVE TERMINATION DUE TO SVC 22
	0004 2746 TCBCLNLPD EQU X'04'	CANCEL PENDING
	0004 2747 TCBTANCL EQU X'04'	C.P. CALLED FOR TWA RECOVERY
18	0002 2748 TCBHMPPT EQU X'02'	ERROR ON DUMP - PARTIAL DUMP TAKEN
	0001 2749 TCBMPPD EQU X'01'	DUMP PENDING ON CANCEL
19	006F 2751 TCBSTAT5 EQU TCBSTAT4+1	STATUS BYTE 5
	0080 2753 TCBTHBIT EQU X'80'	TASK HAS BEEN IN TERMINATION
20	0040 2754 TCBZN2PD EQU X'40'	2 OPTION CANCEL PENDING

0001 2797 TC
2799 *
007C 2801 TC
2802 *
2803 *
2804 *
0080 2805 TC
2806 *
007D 2808 TC

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					*SVAT TCB ATTACH TRANSIENT PAGE 25 V09/11/81 12/08/81 21:28
02	1050 *			HEADR	00570000
	0000 1051 QHDNULL EQU X'00'			NULL QUEUE HEADER VALUE	
	0001 1052 QHDHI EQU X'01'			HIGH VALUE FOR QUEUE HEADER ADDRESS	
03	0020 1053 DEQUEUE EQU X'20'			DEQUEUE REQUEST	
	0000 1054 QUEUE EQU X'00'			QUEUE REQUEST	
04	0080 1055 PRIOR EQU X'80'			MASK FOR PRIORITY QUEUEING	
	0040 1056 SYS EQU X'40'			SYSTEM QUEUE HEADER REQUEST	
	0010 1057 LIFO EQU X'10'			MASK FOR LIFO QUEUEING	
	0000 1058 FIFO EQU X'00'			MASK FOR FIFO QUEUEING	
05	0090 1059 PRIORL EQU PRIOR+LIFO			MASK FOR LIFO PRIORITY QUEUEING	
	0080 1060 PRIORF EQU PRIOR+FIFO			MASK FOR FIFO PRIORITY QUEUEING	
06	1061 *				
	1062 **			THE FOLLOWING QUEUE HEADERS ARE OFFSETS FROM LOCATION X'0100'	
	1063 **			IN MAIN STORE. THE QUEUE HEADERS HAVE VARIOUS FUNCTIONS	
	1064 **			DEPENDENT ON THEIR USERS REQUIREMENTS. ANY USER OF THESE QUEUE	
07	1065 **			HEADERS MUST ALSO BE AWARE THAT CONTROL STORE MAY ALSO ACCESS	
	1066 **			THE HEADER ASYNCHRONOUSLY.	
08	1067 *				
	0000 1068 QHDFD EQU X'00'			DISK IOS (ACE)	
	0002 1069 QHDIO EQU X'02'			DISKETTE IOCS (ACE)	
	0004 1070 QHDPT EQU X'04'			PRINTER IOCH (ACE)	
09	0006 1071 QHDWSC EQU X'06'			WORKSTATION IOCH (ACE)	
	0008 1072 QHDCOMM EQU X'08'			COMMUNICATIONS IOCH (ACE)	
	000A 1073 QHDIOXNT EQU X'0A'			I/O XIENT AREA (ACE)	
10	1074 *			RESERVED	
	1075 *				
	1076 *				
11	1077 *				
	1078 *				
	1079 *				
12	0018 1080 QHDCXNT EQU X'18'			CONTROL STORAGE XIENT SCHEDULER (ACE)	
	001A 1081 QHDTWA EQU X'1A'			TASK WORK AREA ACCESS (ACE)	
	001C 1082 QHDLOAD EQU X'1C'			M.S. RELOCATING LOADER (ACE)	
13	001E 1083 QHDKBTR EQU X'1E'			KEYBOARD TRACE (ACE)	
	0020 1084 QHDPT1 EQU X'20'			PRINTER QUEUE HEADER 1 (ACE)	
	0022 1085 QHDPT2 EQU X'22'			PRINTER QUEUE HEADER 2 (ACE)	
14	0024 1086 QHDPT3 EQU X'24'			PRINTER QUEUE HEADER 3 (ACE)	
	0026 1087 QHDPT4 EQU X'26'			PRINTER QUEUE HEADER 4 (ACE)	
	0028 1088 QHDPT5 EQU X'28'			PRINTER QUEUE HEADER 5 (ACE)	
15	002A 1089 QHDPT6 EQU X'2A'			PRINTER QUEUE HEADER 6 (ACE)	
	002C 1090 QHDPT7 EQU X'2C'			PRINTER QUEUE HEADER 7 (ACE)	
	002E 1091 QHDPT8 EQU X'2E'			PRINTER QUEUE HEADER 8 (ACE)	
16	0030 1092 QHDFDA EQU X'30'			SPINDLE A QUEUE HEADER (ACE)	
	0032 1093 QHDFDB EQU X'32'			SPINDLE B QUEUE HEADER (ACE)	
	0034 1094 QHDFDC EQU X'34'			171 SPINDLE C QUEUE HEADER	
17	0036 1095 QHDFDD EQU X'36'			171 SPINDLE D QUEUE HEADER	
	0038 1096 QHDIOA EQU X'38'			DISKETTE ACTIVE QUEUE (ACE)	
18	1097 *			RESERVED	
19					
20					

01	
02	003C 1099
	003E 1100
	0041 1101
03	0042 1102
	0044 1103
	0046 1104
04	0048 1105
	004A 1106
	004C 1107
	004E 1108
05	0050 1109
	0052 1110
	0054 1111
	0056 1112
	0058 1113
07	005A 1114
	005C 1115
	005E 1116
08	0060 1117
	0062 1118
	0064 1119
09	0066 1120
	0068 1121
	006A 1122
10	006C 1123
	006E 1124
	0070 1125
11	0072 1126
	0074 1127
	0076 1128
12	0078 1129
	007A 1130
	1131
13	007E 1132
	0080 1133
	0082 1134
14	1135
	1136
	0090 1137
15	0092 1138
	0094 1139
	0096 1140
16	0098 1141
	009A 1142
	009C 1143
17	009E 1144
	00A0 1145
	00A2 1146
18	00A4 1147
	00A6 1148
	00A8 1149
19	00AA 1150
	00AC 1151
20	00AE 1152

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15	0000 2793 TCBSFEST EQU X'10' TASK SUSPENDED DUE TO SPOOL SUSPES	15
	0002 2794 TCBSDTAC EQU X'02' TASK SUSPENDED DUE TO ADDRESS COMPARE	
	0001 2795 TCBWIOSP EQU X'01' TASK SUSPENDED DUE TO WS I/O ERROR	
16	007A 2797 TCBWFLG EQU TCBSUSPS+1 USWA INITIALIZATION STATUS.	16
	2799 * SEE TUB MACRO (BYTE TUBWFLG) FOR BIT DEFINITIONS WITHIN TCBWFLG.	
17	007C 2801 TCBSMFPT EQU TCBWFLG+2 SMF POINTER	17
	2802 * THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH	
18	2803 * BYTE OF THE SMF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS	18
	2804 * A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD.	
19	0080 2805 TCBSMFDN EQU X'80' SMF HAS PROCESSED THIS TCB	19
	2806 *	
20	007D 2808 TCBS EQU TCBSMFPT+1 AMOUNT OF TASK SWAPPED OUT	20

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#SVAT TCB ATTACH TRANSIENT		PAGE 26 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
00570000	003C	1099	QHDTIMER EQU X'3C' INTERVAL TIMER TQE QUEUE (TQE)
	003E	1100	QHDTIMEA EQU X'3E' INTERVAL TIMER ACE QUEUE (ACE)
	0041	1101	QHDSPTCB EQU X'41' CURRENT TASK EXECUTING (TCB)
	0042	1102	QHDXIENQ EQU X'42' MAIN STORAGE TRANSIENT SCHEDULER (TCB)
	0044	1103	QHDPRIQ EQU X'44' TCB PRIORITY QUEUE (TCB)
	0046	1104	QHDTCBQ EQU X'46' TCB READY QUEUE (TCB)
	0048	1105	QHDITC EQU X'48' TASK-TASK COMM (ACE)
	004A	1106	QHDSQE EQU X'4A' STATUS QUEUE HEADER (PL)
	004C	1107	QHDCNLG EQU X'4C' CONSOLE SYSLOG (PL)
	004E	1108	QHDCITLK EQU X'4E' CONSOLE SYSLOG INTERLOCK (AQE)
	0050	1109	QHDTRM EQU X'50' TERMINATION/RELEASE (PL)
	0052	1110	QHDFILK EQU X'52' REJECT FILE INTERLOCK (AQE)
	0054	1111	QHDCPOCI EQU X'54' OCL COMMAND REQUESTS (PL)
	0056	1112	QHDSQB EQU X'56' SECTOR QUEUE BLOCKS (SQB)
	0058	1113	QHDCSCQ EQU X'58' CONTROL STORE COMPLETE QUEUE (ACE)
	005A	1114	QHDITUB EQU X'5A' TERMINAL UNIT BLOCK QUEUE (TUB)
	005C	1115	QHDCOM1 EQU X'5C' COMMUNICATIONS LINE 1 (ACE)
	005E	1116	QHDCOM2 EQU X'5E' COMMUNICATIONS LINE 2 (ACE)
	0060	1117	QHDCOM3 EQU X'60' COMMUNICATIONS LINE 3 (ACE)
	0062	1118	QHDCOM4 EQU X'62' COMMUNICATIONS LINE 4 (ACE)
	0064	1119	QHDDTLK EQU X'64' DEDICATION INTERLOCK (AQE)
	0066	1120	QHDSILK EQU X'66' SCHEDULER INTERLOCK (AQE)
	0068	1121	QHDIILK EQU X'68' VTDC INTERLOCK (AQE)
	006A	1122	QHDSILK EQU X'6A' FORMAT FIVE INTERLOCK (AQE)
	006C	1123	QHDPILK EQU X'6C' PROC NAME INTERLOCK (AQE)
	006E	1124	QHDIHIST EQU X'6E' HISTORY FILE INTERLOCK (AQE)
	0070	1125	QHDSQSPT EQU X'70' ASSIGNED PAGES QUEUE HEADER (APE)
	0072	1126	QHDCSB EQU X'72' COMMUNICATIONS SPECIFICATION QUEUE (CSB)
	0074	1127	QHDERB EQU X'74' ERROR RECORDING BLOCK QUEUE HEADER (ERB)
	0076	1128	QHDSG EQU X'76' GENERAL WAIT QUEUE HEADER (ACE)
	0078	1129	QHDESEC EQU X'78' SECURITY QUEUE HEADER (PL)
	007A	1130	QHDLLOC EQU X'7A' LOCATION OF NODE DICTIONARY (PL)
	1131	*	EQU X'7C' RESERVED
	007E	1132	QHDSNA EQU X'7E' SNA TASK QUEUE HEADER
	0080	1133	QHDSQS EQU X'80' WORKSTATION QUEUE SPACE (FQE)
	0082	1134	QHDSQS EQU X'82' SYSTEM QUEUE SPACE (FQE)
	1135	*	THRU ----
	1136	*	EQU X'8E' RESERVED
	0090	1137	QHDIINDEX EQU X'90' INQUIRY EXIT QUEUE (ACE)
	0092	1138	QHDIQUATL EQU X'92' QUEUED ACQUIRE INTERFACE LIST (PL)
	0094	1139	QHDIPT EQU X'94' REMOTE PRINTER QUEUE (ACE)
	0096	1140	QHDSCT EQU X'96' SUBSYSTEM CONFIGURATION TABLE (PL)
	0098	1141	QHDIWAF1 EQU X'98' TWA EXTENSION F1 CHAIN (F1)
	009A	1142	QHDIEXTRA EQU X'9A' EXTENDED TRACE (PL)
	009C	1143	QHDSUBCN EQU X'9C' SUBCONSOLE SYSLOG (PL)
	009E	1144	QHDSUBRA EQU X'9E' SUBCONSOLE REASSIGN (PL)
	00A0	1145	QHDEIB EQU X'A0' ERROR INFORMATION BLOCK (EIB)
	00A2	1146	QHDSACE EQU X'A2' NS GET PAGE ACE (ACE)
	00A4	1147	QHDILOG EQU X'A4' GENERAL LOGGING FACILITY PARMLIST (PL)
	00A6	1148	QHDEXAM EQU X'A6' EXAM QUEUE (NAS)
	00A8	1149	QHDIPTI EQU X'A8' MRT TERMINATION INTERLOCK
	00AA	1150	QHDPDLH EQU X'AA' MULT SNA LINE INTERLOCK (AQE)
	00AC	1151	QHDSPLK EQU X'AC' SPOOL FILE INTERLOCK (AQE)
	00AE	1152	QHDX21 EQU X'AE' MCLA X.21 (ACE)

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#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
			1153
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ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR
(TQE)			1153 *	----	THRU	----	
(ACE)			1154 *	EQU	X'BE'	RESERVED	
(TCB)			1155 ***	END OF EXPANSION	**		
(TCB)							
(ACE)							
(PL)							
(PL)							
(AQE)							
(PL)							
(AQE)							
(PL)							
(SQB)							
(ACE)							
(TUB)							
(ACE)							
(ACE)							
(ACE)							
(AQE)							0060
(AQE)							0061
(AQE)							0062
(AQE)							0060
(AQE)							
(AQE)							
(APE)							
(CSB)							
(ERB)							0020
(ACE)							0021
(PL)							0022
(PL)							0023
							0024
(FQE)							0025
(FQE)							
(ACE)							00E1
(PL)							00E2
(ACE)							00E3
(PL)							00E4
(F1)							00E5
(PL)							00E6
(PL)							00E7
(PL)							00E8
(EIB)							00E9
(ACE)							00EA
(PL)							00EB
(NAS)							00EC
							00ED
(AQE)							00EE
(AQE)							00EF
(ACE)							00F0
							00F1

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4		14	2875
5		15	0000 2876
6		16	0001 2877
7		17	0002 2878
8		18	0003 2879
9		19	0004 2880
10		20	2881
			0004 2882
			000F 2883
			0005 2885
			2886
			0007 2888

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	PAGE 28	V09/11/81 12/08/81 21:28
			1157 *	ICDNC		00582000
			1158 *			
			1159 *	THESE ARE THE EQUATES FOR INTERFACING TO #ICDB. THE RIB BYTE		
			1160 *	PLACED IN THE CALLERS RBSWORKS+1 FIELD HAS ONE OF THE FOLLOWING		
			1161 *	VALUES.		
			1162 *			
	0000	1163	DBRTNC	EQU 0	DB REQUEST RIB BYTES	
	0001	1164	DBRTN1	EQU DBRTNC+1	RELEASE/EQJ OR EOS	
	0002	1165	DBRTN2	EQU DBRTN1+1	ASSIGN FAILURE RECOVERY	
	0003	1166	DBRTN3	EQU DBRTN2+1	IMMEDIATE DISABLE IN SUB	
	0004	1167	DBRTN4	EQU DBRTN3+1	DEQUE #FE FREE SUB	
	0005	1168	DBRTN5	EQU DBRTN4+1	USER INPUT DATA ON DISK	
	0006	1169	DBRTN6	EQU DBRTN5+1	END OF XACT RETURN CODE	
	0007	1170	DBRTN7	EQU DBRTN6+1	INI MRT DATA ON DISK IN WSLA	
			1171 *			
			1172 *	THESE ARE THE EQUATES FOR INTERFACING TO #ICDC. THE RIB BYTE		
			1173 *	PLACED IN THE CALLERS RBSWORKS+1 FIELD HAS ONE OF THE FOLLOWING		
			1174 *	VALUES.		
			1175 *			
	0060	1176	DCRTNC	EQU X'60'	DC REQUEST RIB BYTES	
	0061	1177	DCRTN1	EQU DCRTNC+1	PERFORM FORMAT PROCESSING	
	0062	1178	DCRTN2	EQU DCRTN1+1	ERROR RETURN CODE IS IN SUB	
	00E0	1179	DCRTN4	EQU X'E0'	ERROR RETURN CODE IN RBSWORK+1	
			1180 *			
			1181 *	THESE ARE THE EQUATES FOR INTERFACING TO #ICDA. THE RIB BYTE		
			1182 *	PLACED IN THE CALLERS RBSWORKS+1 FIELD HAS ONE OF THE FOLLOWING		
			1183 *	VALUES.		
			1184 *			
	0020	1185	DARTNC	EQU X'20'	DA REQUEST RIB BYTES	
	0021	1186	DARTN1	EQU DARTNC+1	HANDLE SET TIMER OP-CDC	
	0022	1187	DARTN2	EQU DARTN1+1	HANDLE ACQUIRE OR GET ATTRIBUTES	
	0023	1188	DARTN3	EQU DARTN2+1	PERFORM READ AHEAD	
	0024	1189	DARTN4	EQU DARTN3+1	OUTPUT TO AN INVITED SESSION	
	0025	1190	DARTN5	EQU DARTN4+1	HANDLE INPUT FPH'S	
			1191 *			
			1192 *	THESE ARE THE EQUATES FOR THE DIFFERENT HALT CODES		
			1193 *			
	00E1	1194	DMERR1	EQU DCRTN4+1	RELEASE REJECTED - SESN INC.	
	00E2	1195	DMERR2	EQU DMERR1+1	SESSION ID UNKNOWN OR UNOWNED	
	00E3	1196	DMERR3	EQU DMERR2+1	INVALID OP TO INVITED SESS.	
	00E4	1197	DMERR4	EQU DMERR3+1	INVALID OPERATION CODE	
	00E5	1198	DMERR5	EQU DMERR4+1	EVOKE INVALID TO NON-ACQ SESN	
	00E6	1199	DMERR6	EQU DMERR5+1	ICS CQS NOT AVAIL. FOR EVOKE	
	00E7	1200	DMERR7	EQU DMERR6+1	USER OUTPUT LENGTH TOO LONG	
	00E8	1201	DMERR8	EQU DMERR7+1	PREMATURE EQJ/EOS	
	00E9	1202	DMERR9	EQU DMERR8+1	IMMEDIATE DISABLE IN PROGRESS	
	00EA	1203	DMERR10	EQU DMERR9+1	DISABLE PENDING	
	00EB	1204	DMERR11	EQU DMERR10+1	ENABLE NOT COMPLETE	
	00EC	1205	DMERR12	EQU DMERR11+1	SUBSYSTEM NOT ENABLED	
	00ED	1206	DMERR13	EQU DMERR12+1	MAX. SESSIONS ACTIVE	
	00EE	1207	DMERR14	EQU DMERR13+1	INSUFF. SQS FOR SUB ALLOCATE	
	00EF	1208	DMERR15	EQU DMERR14+1	SUBSYS. HAS PROC. CHECKED	
	00F0	1209	DMERR16	EQU DMERR15+1	SESSION NOT ACQUIRED	
	00F1	1210	DMERR17	EQU DMERR16+1	SESSION STMT NOT SUPPORTED BY SS	

#SVAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE ADDR STMT
00F2 1210
1211

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15	0000 2876 TQETCB EQU X'00'	INDICATES USER TQE (IN TCB.)	15
	0001 2877 TQEDSP EQU X'01'	INDICATES DISPATCHER TQE.	
	0002 2878 TQEASR EQU X'02'	INDICATES ASSIGN/FREE RECOVERY TQE.	
	0003 2879 TQEMW EQU X'03'	INDICATES MIDNIGHT TQE.	
16	0004 2880 TQESDLOG EQU X'04'	INDICATES STATISTICAL DATA LOG TQE.	16
	2881 *	NOT USED.	
	0004 2882 TQETYPL EQU TQESDLOG	LAST VALID TQE TYPE VALUE.	
17	000F 2883 TQETYPF EQU X'0F'	TYPE MASK.	17
18	0005 2885 TQETOX EQU TQECC+4	TIME OF EXPIRATION.	18
	2886 *	NOTE: TQETOX IN ALWAYS IN TIMER UNITS.	
19	0007 2888 TQEFLNK EQU TQETOX+2	CHAIN TO NEXT TIMER QUEUE ELEMENT.	19
20			20

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PAGE 28 V09/11/81 12/08/81 21:28	*SVAT TCB ATTACH TRANSIENT	PAGE 29 V09/11/81 12/08/81 21:28	*SVAT TCB ATTACH TR
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	00582000 00F2 1211 DMER18 EQU DMER17+1 OP REJECTED, DATA WAITING	02	
	1212 *** END OF EXPANSION **		
03		03	
04		04	
05		05	
06		06	
07		07	
08		08	
09		09	
10		10	
11		11	
12		12	
13		13	
14		14	
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#SVAT	TCB ATTACH TRANSIENT	PAGE	30	VO: 11/81	12/08/81	21:28	#SVAT	TCB ATTACH TRAP
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC	OBJECT CODE
02		1214 *		IWA EQ		00586000	02	
03		1216 *			*****		03	
		1217 *				*		
		1218 *			THE INITIATOR WORK AREA	*		
		1219 *			RELEASE 8 VERSION OF 09/09/80	*		
04		1220 *				*	04	
		1221 *			*****			
05		0000 1223	IWSWTC1	EQU	0	SWITCH BYTE 1	05	
		0080 1224	IWLADST	EQU	X'80'	LOAD STATEMENT RECEIVED		
06		0040 1225	IWFLEST	EQU	X'40'	FILE STATEMENT RECEIVED	06	
		0020 1226	IWCPLST	EQU	X'20'	COMPILE STATEMENT RECEIVED		
		0010 1227	IWMRTM	EQU	X'10'	MRTMAX VALUE SET BY ATTR		
		0008 1228	IWATNEPA	EQU	X'08'	NEP ATTRIBUTE SET BY ATTR		
07		0004 1229	IWSNACST	EQU	X'04'	SNA COMM STATEMENT RECEIVED	07	
		0002 1230	IWINTREL	EQU	X'02'	RELEASE WORKSTATION BEFORE		
		1231 *			LOADING PROGRAM			
08		0001 1232	IWIGCDTA	EQU	X'01'	IGC DATA IN INPUT RECORD	08	
		0001 1234	IWSWTC2	EQU	IWSWTC1+1	SWITCH BYTE TWO		
09		0080 1235	IWDSPNAM	EQU	X'80'	DISPLAY NAME FIELD, NOT HEADING	09	
		0040 1236	IWDONLYER	EQU	X'40'	DISPLAY ERROR ONLY		
		0020 1237	IWCOMPST	EQU	X'20'	COMM STATEMENT RECEIVED		
10		0010 1238	IWNOTERM	EQU	X'10'	STATEMENT PROCESSORS SHOULD NOT	10	
		1239 *			CALL TERMINATION			
		0008 1240	IWATRELA	EQU	X'08'	RELEASE ATTRIBUTE SET BY ATTR		
11		0004 1241	IWHISTLG	EQU	X'04'	LOG OCL STATEMENT TO HISTORY	11	
		1242 *			FILE			
		0002 1243	IWDEDINT	EQU	X'02'	GET DEDICATION INTERLOCK BEFORE		
		1244 *			ACQUIRING REQUIRED WORKSTATION			
12		0001 1245	IWMRTREL	EQU	X'01'	RELEASE REQUIRED FOR A MRT PROC	12	
		1246 *			WITH NO LOAD AND RUN			
13		0002 1248	IWSWTC3	EQU	IWSWTC2+1	SWITCH BYTE THREE	13	
		0080 1249	IWFSBASN	EQU	X'80'	FSB SPACE ASSIGNED		
14		0040 1250	IWNOQUE	EQU	X'40'	DON'T QUEUE CURRENT F1	14	
		0020 1251	IWMF1TAF	EQU	X'20'	MOVE MY F1 TO A/F AREA		
		1252 *		EQU	X'10'			
		1253 *		EQU	X'08'			
		1254 *		EQU	X'04'			
		1255 *		EQU	X'02'			
16		1256 *		EQU	X'01'		16	
		0003 1258	IWSWTC4	EQU	IWSWTC3+1	SWITCH BYTE FOUR		
17		0005 1260	IWERRR#	EQU	IWSWTC4+2	ERROR CODE / MIC #	17	
		0007 1261	IWEMODID	EQU	IWERRR#+2	MODULE ID		
18		0009 1262	IWENDVRB	EQU	IWEMODID+2	END-OF-VERB ADDRESS	18	
		0011 1263	IWNAMFLD	EQU	IWENDVRB+8	NAME FIELD		
19		1265 *			CONTROL BLOCK ADDRESSES		19	
20		0013 1267	IWJCBAD	EQU	IWNAMFLD+2	JCB ADDRESS	20	

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13	2926 * 48 * 49	4A * 4B * 4C * 4D * 4E	4F *	13
14	2927 * ATTR9 * RFSS	* RFN * RFCSS * RFDSP * TUBCMASK ... *		14
15	2928	*****		15
16	2929 * 50 * 51 *	53 * 54 * 55 * 56	57 *	16
17	2930 * CMSK * FMSK *	DEXT@ * ATTRA * MSGID * TUBDMATX *		17
18	2931	*****		18
19	2932 * 58 * 59	5A * 5B *	5F *	19
20	2933 * ATTRB * TUBDGTUB	* ATTRC *	RESERVED *	20
	2934	*****		

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PAGE 30 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 31 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH T
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC OBJECT CODE
00586000	0015 1268	IWMTCBAD EQU	IWMTCBAD+2	TCB ADDRESS	
	0017 1269	IWTUBAD EQU	IWMTCBAD+2	TUB ADDRESS	
	1271 *	ADDRESSES OF INITIATOR MAINLINE ROUTINES			
	0019 1273	IWL08000 EQU	IWTUBAD+2	ADDRESS OF FILE INIT ROUTINE	
	0018 1274	IWL50000 EQU	IWL08000+2	ADDRESS OF CHECK ROUTINE	
	001D 1275	IWL51000 EQU	IWL50000+2	ADDRESS OF FSB ADD ROUTINE	
	001F 1276	IWL52000 EQU	IWL51000+2	ADDRESS OF F1 ADD ROUTINE	
	0021 1277	IWLERROR@ EQU	IWL52000+2	ADDRESS OF ERROR ROUTINE	
	0023 1278	IWLALPHA EQU	IWLERROR@+2	ADDRESS OF ALPHA CHECK ROUTINE	
	0025 1279	IWLFETCH EQU	IWLALPHA+2	ADDRESS OF MODULE FETCH ROUTINE	
	0027 1280	IWLBINRY EQU	IWLFETCH+2	ADDRESS OF CVT TO BINARY ROUTINE	
	0029 1281	IWLRES01 EQU	IWLBINRY+2	RESERVED FOR FUTURE USE	
	002B 1282	IWLRES02 EQU	IWLRES01+2	RESERVED FOR FUTURE USE	
	002D 1283	IWLRES03 EQU	IWLRES02+2	RESERVED FOR FUTURE USE	
	002F 1284	IWLRES04 EQU	IWLRES03+2	RESERVED FOR FUTURE USE	
	0031 1285	IWLRES05 EQU	IWLRES04+2	RESERVED FOR FUTURE USE	
	1287 *	DIRECTORY ENTRY OF MODULE TO BE LOADED			
	0034 1289	IWPGADDR EQU	IWLRES05+3	DISK ADDRESS OF MODULE	
	0035 1290	IWPGNUMS EQU	IWPGADDR+1	NUMBER OF TEXT SECTORS	
	0037 1291	IWPGLINK EQU	IWPGNUMS+2	LINK-EDIT ADDRESS	
	0039 1292	IWPGSCTL EQU	IWPGLINK+2	ENTRY POINT	
	003A 1293	IWPGRLDD EQU	IWPGSCTL+1	RLD DISPLACEMENT	
	003B 1294	IWPGCRS2 EQU	IWPGRLDD+1	MODULE SIZE	
	003E 1295	IWPGATTR EQU	IWPGCRS2+3	ATTRIBUTES	
	003F 1296	IWPGHRTM EQU	IWPGATTR+1	MRTMAX VALUE	
	0040 1297	IWPGRELL EQU	IWPGHRTM+1	RELEASE LEVEL	
	0042 1298	IWPGTOTL EQU	IWPGRELL+2	TOTAL MODULE SIZE	
	0043 1299	IWPGATRA EQU	IWPGTOTL+1	4TH ATTRIBUTE BYTE	
	0044 1300	IWPGXTRA EQU	IWPGATRA+1	RESERVED	
	0045 1302	IWPGSWAP EQU	IWPGXTRA+1	SWAP AREA SIZE	
	1304 *	SOURCE MEMBER INFORMATION			
	0048 1306	IWSRSTR1 EQU	IWPGSWAP+3	START SSS ADDRESS	
	004B 1307	IWSREND EQU	IWSRSTR1+3	END SSS ADDRESS	
	004C 1308	IWSRRECL EQU	IWSREND+1	RECORD LENGTH	
	1310 *	SYSIN PARAMETER LIST			
	004D 1312	IWSIFNC1 EQU	IWSRRECL+1	SYSIN FUNCTION BYTE ONE	
	004E 1313	IWSISTAT EQU	IWSIFNC1+1	SYSIN STATUS BYTE	
	004F 1314	IWSINEXT EQU	IWSISTAT+1	RESERVED	
	0051 1315	IWSIBUFA EQU	IWSINEXT+2	SYSIN BUFFER ADDRESS	
	1317 *	THE FOLLOWING FIELDS ARE USED BY THE CONVERT TO BINARY ROUTINE			
	0052 1319	IWLENGTH EQU	IWSIBUFA+1	PARAMETER LENGTH	
	0054 1320	IWBINARY EQU	IWLENGTH+3	OUTPUT FROM CONVERT TO BINARY	

A34

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 IE
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 ROUTINE

01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02			0055 1322	IWEROPTN EQU	IUBINARY+1 ERROR MESSAGE OVERRIDE OPTIONS
03			0059 1324	IWMODSK@ EQU	IWEROPTN+4 OXREF DATA FOR MODULE FETCH
			005D 1325	IWMODSK1 EQU	IWMODSK@+4 OXREF DATA FOR 1ST LEVEL MODULE
04			00C0 1327	IWENCOD@ EQU	192 START OF ENCODING AREA
			00C5 1328	IWENCOLN EQU	197 LENGTH OF ENCODING AREA
			0186 1329	IWCOMPAR EQU	IWENCOD@+IWENCOLN+1 START OF MODULE COMMUNICATIONS
05			1330 *		AREA
			0079 1331	IWCOMPLN EQU	121 LENGTH OF MODULE COMMUNICATIONS
			1332 *		AREA
06			1334		*****
			1335 *		*
			1336 *		COMMON INITIATOR EQUATES *
07			1337 *		*
			1338		*****
08			C800 1340	IWRKAR@ EQU	X'C800' ADDRESS OF INITIATOR WORK AREA
			CA07 1341	IWENTRY@ EQU	X'CA07' ENTRY POINT OF #C1ML
09			CA0B 1342	IWRETRN@ EQU	X'CA0B' RETURN ADDRESS TO #C1ML
			F800 1343	IWMODLD@ EQU	X'F800' MODULE LOAD ADDRESS
			DC00 1344	IWBUFFR@ EQU	X'DC00' SYSIN BUFFER ADDRESS
10			DD00 1345	IWSYSIN@ EQU	X'DD00' ADDRESS OF SYSIN ROUTINE
			DD10 1346	IWPPSAB@ EQU	X'DD10' PPSA BUFFER ADDRESS
			DF20 1347	IWRKBFR@ EQU	X'DF20' 600 BYTE SYSIN WORK BUFFER
11			1349		*** END OF EXPANSTION **

#SVAT TCB ATTACH TR
 ERR LOC OBJECT CODE
 02
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15	0080 3003 TUB\$UEP EQU X'80'	. INDICATES USER DEFINED ERP
	0040 3004 TUB\$NO2 EQU X'40'	. NO RETURN ON PERMANENT ERROR
	0020 3005 TUB\$AUTO EQU X'20'	. AUTO INPUT BUFFER ASSIGNMENT
16	0010 3006 TUB\$VH EQU X'10'	. TUB NOT ALLOWED OFF VERTICAL TUBCHAIN
	0008 3007 TUB\$ONL EQU X'08'	. DEVICE ONLINE
	0004 3008 TUB\$TISU EQU X'04'	. READ INPUT ISSUED TO TUB
17	0002 3009 TUB\$INCM EQU X'02'	. READ INPUT NOT COMPLETE
	0001 3010 TUB\$OTCS EQU X'01'	. DATA IN CONTROL STORE
18	0003 3012 TUB\$CMD EQU TUBFLAG+1	JOB COMMAND BYTE
	0000 3014 TUB\$DA EQU X'00'	. LOCAL WORKSTATION DEVICE ADDRESS
19	00E0 3015 TUB\$PNAV EQU X'E0'	. NATIVE PRINTER DEVICE ADDRESS
	00C0 3016 TUB\$EXEC EQU X'C0'	. EXEC I/O OPERATION CODE
	00C1 3017 TUB\$POLL EQU X'C1'	. EXEC INVITE OPERATION
20	00C2 3018 TUB\$IDLE EQU X'C2'	. QUITESCE

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		1351 *		JCBEQ	
03		1353		*****	
		1354 *			
		1355 *		JOB CONTROL BLOCK	
		1356 *			
04		1357		*****	
05	0000	1359	JCB\$INIT	EQU 0	INITIATOR SWITCH BYTE
	0080	1360	JCB\$MTR	EQU X'80'	IN INTPA MODE (LOAD STATEMENT RECEIVED)
	0040	1361	JCB\$MTRNG	EQU X'40'	PROGRAM RUNNING (BETWEEN RUN STATEMENT AND TERMINATION)
06	0020	1363	JCB\$MTR	EQU X'20'	IN INTER MODE (BETWEEN TERMINATION AND LOAD STATEMENT)
		1364 *			
07	0010	1365	JCB\$MTRHT	EQU X'10'	IGNORE NO-HIST PROCEDURE ATTRIBUTE
	0008	1366	JCB\$MTRHT	EQU X'08'	THIS IS A MTR JCB
	0004	1367	JCB\$MTRNSC	EQU X'04'	NO SOURCE REQUIRED
08	0002	1368	JCB\$MTRDLS	EQU X'02'	LOAD STMT RECEIVED THIS SESSION
	0001	1369	JCB\$MTRLDJ	EQU X'01'	LOAD STMT RECEIVED THIS JOB
09	0001	1371	JCB\$MTRINT2	EQU JCB\$MTRINT+1	INITIATOR SWITCH BYTE TWO
	0080	1372	JCB\$MTRREGN	EQU X'80'	JOB REGION RECEIVED
	0040	1373	JCB\$MTRRCL	EQU X'40'	LOCAL DATA AREA IS IN STORAGE
10	0030	1374	JCB\$MTRHPR	EQU X'30'	HIGH PRIORITY HAS BEEN SPECIFIED
	0020	1375	JCB\$MTRMDPR	EQU X'20'	MEDIUM PRIORITY HAS BEEN SPECIFIED
	0010	1376	JCB\$MTRLOPR	EQU X'10'	LOW PRIORITY HAS BEEN SPECIFIED
		1377 *			X'30' BITS OFF = NORMAL PRIORITY
11	0008	1378	JCB\$MTRMPC	EQU X'08'	IN A PROCEDURE
	0004	1379	JCB\$MTRMSLB	EQU X'04'	PROGRAM (JCB\$MTRPROG) WAS FOUND IN USER LIBRARY (JCB\$MTRLIB)
		1380 *			
12	0002	1381	JCB\$MTRNSP	EQU X'02'	ENQUEUE RESOURCES WITH NEP ATTRIBUTE
	0001	1382	JCB\$MTRNRP	EQU X'01'	MTR PROGRAM
13	0002	1384	JCB\$MTRSCH1	EQU JCB\$MTRSCH2+1	SCHEDULER BYTE ONE
	0080	1385	JCB\$MTRPUCL	EQU X'80'	PROGRAM HAS UTILITY CONTROL STATEMENTS
14	0040	1386	JCB\$MTRXREF	EQU X'40'	RUN XREF AT TERMINATION
	0020	1387	JCB\$MTRTWA	EQU X'20'	INPUT LOGIN RECORD IS IN TWA
	0001	1388	JCB\$MTRTWA	EQU X'01'	FINISH UTILITY CONTROL STATEMENTS
15	0008	1389	JCB\$MTRDEAD	EQU X'08'	PROGRAM IS DEDICATED
	0004	1390	JCB\$MTRWTC	EQU X'04'	MDY DATE - WORLD TRADE
	0002	1391	JCB\$MTRDMD	EQU X'02'	MDY DATE - DOMESTIC
16	0001	1392	JCB\$MTRMDD	EQU X'01'	YMD DATE - INTERNATIONAL
17	0003	1394	JCB\$MTRSCH2	EQU JCB\$MTRSCH1+1	SCHEDULER BYTE TWO
	0080	1395	JCB\$MTRDPC	EQU X'80'	OPEN OR CLOSE ERROR
	0040	1396	JCB\$MTRPRTY	EQU X'40'	PRTY COMMAND EXECUTED PRIOR TO START OF JOB
		1397 *			
18	0020	1398	JCB\$MTRNEP	EQU X'20'	PROGRAM IS A NEP
	0010	1399	JCB\$MTRBTCH	EQU X'10'	JOB QUEUE PROGRAM
	0008	1400	JCB\$MTRCRC	EQU X'08'	INCLUDE STATEMENT RECEIVED
19	0004	1401	JCB\$MTRPRD	EQU X'04'	ALLOCATE - DON'T PREPARE THE DISKETTE
	0002	1402	JCB\$MTRINQ	EQU X'02'	INQUIRY LATCH SET
20	00C1	1403	JCB\$MTRNINQ	EQU X'01'	NON-INQUIRABLE PROGRAM

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17	3064 *	EQU	X'08'	. RECEIVE PARITY CHECK
	3065 *	EQU	X'04'	. RECEIVE LENGTH CHECK
18	3066 *	EQU	X'02'	. NOT USED
	3067 *	EQU	X'01'	. EVEN/ODD TIME OUT
19	000C 3069 TUBSENS2 EQU TUBSENS1+1 SENSE BYTE 2			
	3071 *	EQU	X'80'	. DEVICE HUNG BUSY
20	3072 *	EQU	X'40'	. LINE PARITY CHECK

17	311
18	312
	0002 312
	312
19	312
	0005 312
20	312

C01

#SVAT	TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01							
02		0004	1405	JCBDSCH3	EQU	JCBDSCH3+1	SCHEDULER BYTE THREE
		0080	1406	JCBMSSEJ	EQU		SYSLOG - SUPPRESS 2 OPTION HALT
		0040	1407	JCBMSOFF	EQU	X'	SYSLIST OFF SELECTED BY HALT OPTION
03		0020	1408	JCBMSPRT	EQU	X'20'	SYSLIST PRINTER SELECTED BY HALT OPTION
		0010	1409	JCBMREST	EQU	X'10'	RESERVE STATEMENT RECEIVED THIS JOB
		0008	1410	JCBMSCRT	EQU	X'08'	SYSLIST CRT SELECTED BY HALT OPTION
04		0004	1411	JCBMEOMP	EQU	X'04'	END OF OUTER-MOST PROCEDURE
		0002	1412	JCBMRINQ	EQU	X'02'	INQUIRY JCB
		0001	1413	JCBMDSRC	EQU	X'01'	TERMINATION - DISPLAY RETURN CODE
05		0005	1415	JCBDINLK	EQU	JCBDSCH3+1	SCHEDULER INTERLOCK BYTE
		0080	1416	JCBMSLOG	EQU	X'80'	SYSLOG TRANSIENT CALLED
06		0040	1417	JCBMSYSN	EQU	X'40'	SYSIN TRANSIENT CALLED
		0020	1418	JCBMDKAL	EQU	X'20'	DISKETTE FILE ALLOCATED, BUT NOT CLOSED
		0010	1419	JCBMRDVC	EQU	X'10'	DISKETTE VTDC ON DISK
07		0008	1420	JCBMRDVC	EQU	X'08'	DISKETTE VTDC UPDATED
		0004	1421	JCBMRCSM	EQU	X'04'	RESUME - CALL #CSIM
		0002	1422	JCBMSELT	EQU	X'02'	AUTO-LOADER DISKETTE SELECTED
08		0001	1423	JCBMRSET	EQU	X'01'	RESET STATEMENT RECEIVED
		0006	1425	JCBDUPSI	EQU	JCBDINLK+1	UPSI SWITCH BYTE
09		0080	1426	JCBMUPS1	EQU	X'80'	UPSI SWITCH ONE
		0040	1427	JCBMUPS2	EQU	X'40'	UPSI SWITCH TWO
		0020	1428	JCBMUPS3	EQU	X'20'	UPSI SWITCH THREE
10		0010	1429	JCBMUPS4	EQU	X'10'	UPSI SWITCH FOUR
		0008	1430	JCBMUPS5	EQU	X'08'	UPSI SWITCH FIVE
		0004	1431	JCBMUPS6	EQU	X'04'	UPSI SWITCH SIX
11		0002	1432	JCBMUPS7	EQU	X'02'	UPSI SWITCH SEVEN
		0001	1433	JCBMUPS8	EQU	X'01'	UPSI SWITCH EIGHT
12		0009	1435	JCBDDATE	EQU	JCBDUPSI+3	SESSION DATE
		000C	1437	JCBDDPAT	EQU	JCBDDATE+3	PROGRAM DATE
13		000E	1439	JCBDSLST	EQU	JCBDDPAT+2	SYSLIST INDICATOR - PRINTER ID
		0000	1440	JCBSLOFF	EQU	X'0000'	X'0000' = OFF
14		EEEE	1441	JCBSLCRT	EQU	X'EEEE'	X'EEEE' = CRT
		0010	1443	JCBDCRLB	EQU	JCBDSLST+2	CURRENT LIBRARY F1 POINTER
15		0012	1444	JCBDFSBL	EQU	JCBDCRLB+2	LIBRARY FSB CHAIN POINTER
		0014	1446	JCBDFSFB	EQU	JCBDFSBL+2	FILE FSB CHAIN POINTER
16		0016	1448	JCBDSBP	EQU	JCBDFSFB+2	WSB CHAIN POINTER
17		0018	1450	JCBDSBP	EQU	JCBDSBP+2	PSB CHAIN POINTER
		0020	1452	JCBD1PRC	EQU	JCBDSBP+8	NAME OF FIRST LEVEL PROCEDURE
18		1433 *					(MRT PROCEDURE NAME IF JCBMMPRT IS ON AND
		1454 *					THIS JCB IS POINTED TO BY THE MRT'S TCB)
19		0023	1456	JCBDPORG	EQU	JCBD1PRC+8	PROGRAM NAME
20		0029	1458	JCBPSTAT	EQU	JCBDPORG+1	STATUS BYTE

#SVAT	TCB ATTACH TRANSIENT
01	
02	0080
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	0020
03	0010
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04	0002
	0001
05	002A
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06	002D
	002F
07	002F
	0031
08	0033
	0035
09	0037
	0039
	003B
10	003D
	003F
	0041
11	0043
	0045
12	0047
	0048
13	004C
	004D
14	004D
	0050
15	004E
	0052
16	0054
	0055
17	0056
18	0057
19	0057
20	005E

B01

01	LYC7 - 1364 - 7	IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT
	29 JANUARY 82	PROGNO 5726-SS1 REL: RO8-M00
02	COPYRIGHT IBM CORP. 1978	LICENSED MATERIAL - PROPERTY OF IBM
03		
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#SVAT	12/08/81 15:51
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15	3111 *	EQU	X'01'	. INVALID COMMAND MODIFIER	0015
	3114 *	EQU	X'02'	. INVALID BYTE COUNT (0 OR 4096)	0016
16	3115 *	EQU	X'03'	. DEVICE ADDRESS NOT FOUND	
	3116 *	EQU	X'04'	. BYTE COUNT != ACTUALLY TRANSFERED	
17	3118 * GRCL 3 -			RESOURCES TEMPORARILY NOT AVAILABLE ERRORS	
	3119 *			(REFERENCE TUBSENSE0 BIT2)	0017
18	3121 *	EQU	X'01'	. PRINTER BUSY DURING WRITE ATTEMPT	
	0002 3122 TUB\$DEAD	EQU	X'02'	. US IN ERROR MODE	
	3123 *	EQU	X'03'	. DEVICE OFFLINE ERROR	
19	3124 *	EQU	X'04'	. PRINTER NEEDS INITIALIZATION	
	0005 3125 TUB\$NRMD	EQU	X'05'	. NOT READY DUE TO OPERATOR ERROR MODE	0018
20	3126 *			OR SYS REQ MODE	001A

C02

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE	STATEMENT	
02	0080	1459	JCBMWPNT	EQU	X'80'	WAITING FOR PRINTER
	0040	1460	JCBMULIN	EQU	X'40'	WAITING FOR COMMUNICATION LINE
	0020	1461	JCBMWDKT	EQU	X'20'	WAITING FOR DISKETTE
	0010	1462	JCBMWDISK	EQU	X'10'	WAITING FOR DISK SPACE
	0000	1463	JCBMWTINT	EQU	X'08'	INITIATOR WAITING FOR RESOURCES
	0004	1464	JCBMMPMX	EQU	X'04'	WAITING FOR A MRT OVER MRTMAX
	0002	1465	JCBMSLOP	EQU	X'02'	HALT PENDING TO SYSTEM OPERATOR
	0001	1466	JCBMEXTD	EQU	X'01'	FILE EXTENSION IN PROCESS
05	002A	1468	JCBDRGSZ	EQU	JCBDRSTAT+1	REGION SIZE (STEP)
	002B	1470	JCBDOCTAG	EQU	JCBDRGSZ+1	CURRENT TAG IN FPSA
	002D	1472	JCBDSLOB	EQU	JCBDOCTAG+2	SYSLIST IOB ADDRESS
	002F	1474	JCBDRTCO	EQU	JCBDSLOB+2	RETURN CODE (MIC)
	0031	1476	JCBDEXTA	EQU	JCBDRTCO+2	JCB EXTENSION ADDRESS
	0033	1478	JCBDPGR1	EQU	JCBDEXTA+2	RELATIVE SS OF PROGRAM1 MESSAGE MEMBER
	0035	1479	JCBDPGR2	EQU	JCBDPGR1+2	RELATIVE SS OF PROGRAM2 MESSAGE MEMBER
	0037	1480	JCBDUSR1	EQU	JCBDPGR2+2	RELATIVE SS OF USER1 MESSAGE MEMBER
	0039	1481	JCBDUSR2	EQU	JCBDUSR1+2	RELATIVE SS OF USER2 MESSAGE MEMBER
	0038	1482	JCBDPG1L	EQU	JCBDUSR2+2	PROGRAM1 LIBRARY FORMAT-1 ADDRESS
	003D	1483	JCBDPG2L	EQU	JCBDPG1L+2	PROGRAM2 LIBRARY FORMAT-1 ADDRESS
	003F	1484	JCBDUR1L	EQU	JCBDPG2L+2	USER1 LIBRARY FORMAT-1 ADDRESS
	0041	1485	JCBDUR2L	EQU	JCBDUR1L+2	USER2 LIBRARY FORMAT-1 ADDRESS
	0043	1487	JCBDMENU	EQU	JCBDUR2L+2	RELATIVE SS OF MENU MESSAGE MEMBER
	0045	1488	JCBDMENL	EQU	JCBDMENU+2	MENU LIBRARY FORMAT-1 ADDRESS
	0047	1490	JCBDBJBD	EQU	JCBDMENL+2	JOB NAME (ID)
	0048	1492	JCBDLNPG	EQU	JCBDBJBD+1	LINES/PAGE
	004C	1494	JCBDFMNO	EQU	JCBDLNPG+4	FORMS NUMBER
	004D	1496	JCBDSLLC	EQU	JCBDFMNO+1	SYSLIST CRT LINE COUNTER
	004E	1498	JCBDNFTF	EQU	JCBDSLLC+1	NUMBER OF FORMATS FOUND
	0050	1500	JCBDFINA	EQU	JCBDNFTF+2	ADDRESS OF FORMAT INDEX
	0052	1502	JCBDCIBa	EQU	JCBDFINA+2	ADDRESS OF COMPILER INFORMATION BLOCK
	0054	1504	JCBDDTFa	EQU	JCBDCIBa+2	ADDRESS OF FIRSI DTF ON CHAIN
	0055	1506	JCBDSLLR	EQU	JCBDDTFa+1	SYSLIST CRT LINES REQUESTED
	0056	1508	JCBDDFRG	EQU	JCBDSLLR+1	REGION SIZE (DEFAULT)
	0057	1510	JCBDBJBRG	EQU	JCBDDFRG+1	REGION SIZE (JOB)
	005E	1512	JCBDMENF	EQU	JCBDBJBRG+7	MENU FORMAT INDEX (NON-RELEASED US JOBS)

B02

AND (CB)

#SVAT	12/08/81	15:51
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ERR LOC	OBJECT CODE	ADD
02	0080	0015
	0040	0016
03	0020	0017
	0010	0018
	0000	001A
	0004	
	0002	
	0001	
05	002A	
	002B	
	002D	
	002F	
	0031	
	0033	
	0035	
	0037	
	0039	
	0038	
	003D	
	003F	
	0041	
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	004C	
	004D	
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	0050	
	0052	
	0054	
	0055	
	0056	
	0057	
	005E	

4500 SYMBOL VERSION	
YOU USED	2438 SYMBOLS
LENGTH OF MODULE IS	204

15	0015 3165 TUBQHDR EQU TUBDEVID+1 QUEUE HEADER POINTER FOR PRINTER	14	0030 3214
	0016 3167 TUBERPCT EQU TUBQHDR+1 ERP CONTROL BYTE	15	0032 3214
16	3169 * 3170 * SEE THE ERBDOCTL FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS. 3171 *	16	0035 3217 0080 3219 0040 3220 0020 3221 0010 3222 0008 3223 0004 3224 0002 3225 0001 3226
17	0017 3173 TUBERBFG EQU TUBERPCT+1 ERB FLAG BYTE	17	0036 3228
18	3175 * 3176 * SEE THE ERBDFLG FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS. 3177 *	18	3230
19	0018 3179 TUBERAID EQU TUBERBFG+1 ERROR AID FLAG BYTE	19	
20	001A 3180 TUBMIC EQU TUBERAID+2 ERP MESSAGE ID CODE	20	

CO3

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#SVAT	TCB ATTACH TRANSIENT	PAGE	36	V09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	005A 1513	JCBDJQST	EQU	JCBDJBRG+3	JOB QUEUE JOB START TIME (JOBQ JOBS)	
	005C 1514	JCBDSPID	EQU	JCBDJQST+2	SESSION PRINTER ID (RELEASED WS JOBS)	
03	0061 1516	JCBDOBN	EQU	JCBDMENF+3	JOB NAME (TIME STAMP)	
04	0062 1518	JCBDSCH5	EQU	JCBDOBN+1	SCHEDULER BYTE FIVE	
	0062 1519	JCBDLANG	EQU	JCBDSCH5	LANGUAGE COMPILER BYTE	
	0080 1520	JCBMSYLB	EQU	X'80'	SEARCH SYSTEM LIBRARY ONLY	
05	0040 1521	JCBMSLMG	EQU	X'40'	SYSLIST END MESSAGE REQUIRED	
	0020 1522	JCBMLIST	EQU	X'20'	LIST RPG	
	0010 1523	JCBMNEXT	EQU	X'10'	SYSLIST 'NOEXTN' SPECIFIED	
06	0008 1524	JCBM15CP	EQU	X'08'	15 CPI SPECIFIED ON FORMS STATEMENT	
	1525 *		EQU	X'04'		
	1526 *		EQU	X'02'		
	1527 *		EQU	X'01'		
07	0063 1529	JCBDSCH4	EQU	JCBDLANG+1	SCHEDULER BYTE FOUR	
08	0080 1530	JCBMTHLK	EQU	X'80'	JCB TERMINATION INTERLOCK	
	0040 1531	JCBMFLIS	EQU	X'40'	FLUSH INLINE SOURCE	
	0020 1532	JCBMPGIS	EQU	X'20'	PROGRAM HAS INLINE SOURCE	
09	0010 1533	JCBMINTK	EQU	X'10'	INITIATOR DID NOT INITIATE THIS TASK	
	0008 1534	JCBMSRAL	EQU	X'08'	SECURED RESOURCE ALLOCATED BY THIS MPT	
	0004 1535	JCBMEVPR	EQU	X'04'	EVOKE PROCEDURE	
10	0002 1536	JCBMSPCK	EQU	X'02'	SET SPOOL FILE EOF AT LAST CHECK POINT	
	0001 1537	JCBMETBA	EQU	X'01'	ERROR INFORMATION BLOCK PRESENT (EIB)	
11	0065 1539	JCBDCSBP	EQU	JCBDSCH4+2	CSB CHAIN POINTER	
	006D 1541	JCBUSER	EQU	JCBDCSBP+8	USER ID	
12	006F 1543	JCBDBFRA	EQU	JCBUSER+2	SYSIN BUFFER ADDRESS	
	006F 1544	JCBDLCLA	EQU	JCBUSER+2	LOCAL DATA AREA ADDRESS	
13	0070 1546	JCBLLNTH	EQU	JCBDBFRA+1	LENGTH OF A JCB	
14	1548	*****				
	1549 *				*	
	1550 *		JCB EXTENSION		*	
	1551 *				*	
	1552	*****				
16	0001 1554	JCBSSBA	EQU	1	SESSION SPECIFICATION BLOCK POINTER	
	0003 1555	JCBCCBA	EQU	JCBSSBA+2	CHECK POINT CONTROL BLOCK POINTER	
	0005 1556	JCBPLST	EQU	JCBCCBA+2	PHONE LIST CHAIN POINTER	
17	0006 1558	JCBDLPI*	EQU	JCBPLST+1	LPI VALUE	
	0004 1559	JCBM4LPI	EQU	X'04'	4 LPI SPECIFIED ON FORMS STATEMENT	
	0006 1560	JCBM6LPI	EQU	X'06'	6 LPI SPECIFIED ON FORMS STATEMENT	
	0008 1561	JCBM8LPI	EQU	X'08'	8 LPI SPECIFIED ON FORMS STATEMENT	
19	000F 1563	JCBDESV	EQU	JCBDLPI*+9	RESERVED AREA	
	0010 1564	JCBDELNG	EQU	JCBDESV+1	LENGTH OF JCB EXTENSION	
	1565	*** END OF EXPANSION **				

B03

4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.

#SVAT	TCB ATTACH TRANSIENT		
ERR LOC	OBJECT CODE	ADDR	STMT
02	0800		2
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#SVAT	TCB ATTACH TRANSIENT		
ERR LOC	OBJECT CODE	ADDR	STMT
02	0800		2
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14	002F 3212 TUBUSER EQU TUBDRESV+8 OPERATOR ID	14
	0030 3213 TUBOPSTS EQU TUBUSER+1 OPERATOR STATUS	
	0032 3214 TUBJCB@ EQU TUBOPSTS+2 ADDRESS OF JCB	
	0034 3215 TUBTUB EQU TUBJCB@+2 TUBCHAIN FOR SYS REQ AND INQUIRY	
15	0035 3217 TUBATTR1 EQU TUBTUB+1 ATTRIBUTE BYTE 1	15
16	0080 3219 TUBMCN EQU X'80' . MASTER CONSOLE	16
	0040 3220 TUBACN EQU X'40' . ALTERNATE CONSOLE	
	0020 3221 TUBCMDT EQU X'20' . COMMAND TERMINAL(CON)-DATA TERM(OFF)	
17	0010 3222 TUBSGN EQU X'10' . TERMINAL SIGNED ON	17
	0008 3223 TUBTSRQ EQU X'08' . TEST REQUEST MODE	
	0004 3224 TUBSTPJ EQU X'04' . JOB INITIATION NOT ALLOWED	
18	0002 3225 TUBLIOFR EQU X'02' . WSA FORMATTED WITH LIO DISPLAY	18
	0001 3226 TUBFCNSL EQU X'01' . CONSOLE MODE FORCED BY I/O ERROR	
19	0036 3228 TUBATTR2 EQU TUBATTR1+1 TERMINAL MODE AND DISPLAY	19
20	3230 *****	20

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PAGE 36 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 37 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	1567 * \$LOAD 00630000	02	
	1568 *****		
	1569 * MAIN STORAGE RELOCATING LOADER PARAMETER LIST EQUATES *		
03	1570 *****	03	
	0002 1571 \$LDDSS EQU 2 SS ADDR OF MEMBER		
04	0003 1572 \$LDDTEXT EQU \$LDDSS+1 NUMBER OF TEXT SECTORS	04	
	0005 1573 \$LDDLK EQU \$LDDTEXT+2 LINK EDIT ADDRESS		
	0007 1574 \$LDDSTRT EQU \$LDDLK+2 START CONTROL ADDR (ENTRY POINT)		
05	0008 1575 \$LDDRDL EQU \$LDDSTRT+1 RLD DISP IN THE FIRST SECTOR	05	
	1576 * CONTAINING RLD		
	0009 1577 \$LDDTOT EQU \$LDDRDL+1 TOTAL NUMBER OF SECTORS		
06	000B 1578 \$LDDLOAD EQU \$LDDTOT+2 MODULE LOAD ADDRESS	06	
	000C 1579 \$LDDLLEN EQU \$LDDLOAD+1 LENGTH OF LOADER PARAM LIST		
07	1581 *****	07	
	1582 * RIB VALUES FOR THE RELOCATING LOADER *		
	1583 *****		
08	1584 *	08	
	1585 * RIB BIT EQUATES FOR VARIOUS LOADER FUNCS		
	1586 *		
09	0001 1587 \$LDRELAD EQU X'01' BIT FOR 'REL ADDR LOAD'	09	
	0002 1588 \$LDTOADR EQU X'02' BIT FOR 'TO ADDR'		
	0004 1589 \$LDFETCH EQU X'04' BIT FOR 'FETCH'		
10	0008 1590 \$LDSFCH EQU X'08' BIT FOR 'SYSTEM REQUEST'	10	
	0010 1591 \$LDAMID EQU X'10' BIT FOR LOADING AN EXAM		
	1592 *		
11	1593 * RIB BYTE EQUATES FOR ALL LOADER FUNCS	11	
	1594 *		
	1595 * NOTE: ANY OTHER RIB VALUES WILL CAUSE UNPREDICTABLE ERRORS		
	1596 *		
12	0001 1597 \$LDMSSLD EQU \$LDRELAD LOAD BY RELATIVE SS	12	
	0002 1598 \$LDMLOAD EQU \$LDTOADR LOAD TO-ADDRESS		
13	000A 1599 \$LDMSLD EQU \$LDMLOAD+\$LDSFCH SYSTEM LOAD	13	
	0004 1600 \$LDMFCH EQU \$LDFETCH FETCH		
	0006 1601 \$LDMFCHA EQU \$LDMFCH+\$LDTOADR FETCH TO-ADDRESS		
14	000E 1602 \$LDMFCH EQU \$LDMFCHA+\$LDSFCH SYSTEM FETCH	14	
	1603 *** END OF EXPANSTION **		
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PAGE 1 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 1 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	0800 2 #SVAT START X'0800' 00020000	02	
	3 * COPYR 00030000		
03	4 */* COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981 */	03	
	5 */* LICENSED MATERIAL - PROGRAM PROPERTY OF IBM */		

15	0001 3270 TUBIDEL EQU X'01'	. DELETE FUNCTION IS ACTIVE	15	0047 3324
16	0039 3272 TUBATTR5 EQU TUBATTR4+1	RELEASE INDICATORS	16	0048 3327
17	0080 3274 TUBORY EQU X'80'	. RESTORE-Y ON OCL STATEMENT	17	0080 3329
17	0040 3275 TUBORN EQU X'40'	. RESTORE-N ON OCL STATEMENT	17	0040 3330
17	0020 3276 TUBLOP EQU X'20'	. LAST OP TO THE TUB WAS A PUT	17	0020 3331
17	0010 3277 TUBRSW EQU X'10'	. RELEASE STOP INV WORKED	17	0010 3332
18	0008 3278 TUBRSF EQU X'08'	. RELEASE STOP INV FAILED	18	0008 3333
18	0004 3279 TUBREL EQU X'04'	. TUB HAS BEEN RELEASED	18	0004 3334
18	0002 3280 TUBSRQ EQU X'02'	. SRT HAS RELEASED REQUESTOR	18	0002 3335
19	0001 3281 TUBABTRM EQU X'01'	. CALL TERMINATOR PRIOR TO RELEASE	19	0001 3336
19	003A 3283 TUBATTR6 EQU TUBATTR5+1		19	3338
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C05

09/11/81 12/08/81 21:28	00630000
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#SVAT TCB ATTACH TRANSIENT		PAGE 38		09/11/81 12/08/81 21:28			
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT				
		1605 *	MUCEQ		00650000		
		1606 *	*****				
		1607 *	MAIN STORAGE NUCLEUS		*		
		1608 *	*****				
		1609 *	*****				
		1610 *	ADDR NAME	SIZE (HEX)	SIZE (DEC)	LABEL *	
		1611 *	*****				
		1612 *	0000	FIXED NUCLEUS	1000	4096	MUFIXNUC *
		1613 *	*****				
		1614 *	*****				
		1615 *	0000	SYSTEM COMMUNICATION AREA	0100	256	MUSCA *
		1616 *	*****				
		1617 *	0100	ACE QUEUE HEADERS	00C0	192	MUACEQH *
		1618 *	*****				
		1619 *	01C0	MULTI-PURPOSE IOB	0020	32	MUMPIOB *
		1620 *	*****				
		1621 *	01E0	CS TRANSIENT LOADER IOB	0020	32	MUCXIOB *
		1622 *	*****				
		1623 *	0200	COMMAND PROCESSOR TCB	0080	128	MUCPTCB *
		1624 *	*****				
		1625 *	0280	TASK WORK AREA INDEX	0023	35	MUTWAI *
		1626 *	*****				
		1627 *	02A3	TASK WORK AREA QUEUE HDR	0005	5	MUTWAIQ *
		1628 *	*****				
		1629 *	02A8	DISKETTE ERROR LOG AREA	0038	56	MURDIOB *
		1630 *	*****				
		1631 *	02E0	SYSTEM LIBRARY FORMAT-1	0020	32	MURLBF1 *
		1632 *	*****				
		1633 *	0300	A/D TRACE ACE	0010	16	MURTRACE *
		1634 *	*****				
		1635 *	0310	ALTERNATE SECTOR ACE	0010	16	MURERACE *
		1636 *	*****				
		1637 *	0320	STATISTICAL LOGOUT ACE	0010	16	MURLGACE *
		1638 *	*****				
		1639 *	0330	INTERVAL TIMER ACE	0010	16	MURTIACE *
		1640 *	*****				
		1641 *	0340	MSP ERROR ACE	0010	16	MURMACE *
		1642 *	*****				
		1643 *	0350	SWAP ACE	0010	16	MURSWACE *
		1644 *	*****				
		1645 *	0360	MS TRANSIENT LOADER ACE	0010	16	MURMFACE *
		1646 *	*****				
		1647 *	0370	DISKETTE ERROR ACE	0010	16	MURTEACE *
		1648 *	*****				
		1649 *	0380	ERROR TASK-TASK ACE	0010	16	MURKSETC *
		1650 *	*****				
		1651 *	0390	DISPATCHER TQE	0008	8	MURDSTQE *
		1652 *	*****				
		1653 *	0398	MIDNIGHT TQE	0008	8	MURMNTQE *
		1654 *	*****				
		1655 *	03A0	STATISTICAL LOGGING TQE	0008	8	MURDLTQE *
		1656 *	*****				
		1657 *	03A8	SQS FAILURE TQE	0008	8	MURATQE *
		1658 *	*****				

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09/11/81 12/08/81 21:28	00020000	00030000
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#SVAT TCB ATTACH TRANSIENT		PAGE 2		09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
		56 *	: aa290 - MRJE SUPPORT, USING INCREMENTAL IMPROV FLAG *		00407600
		57 *	: aa185 - MINOR MAINTAINENCE, \$TOD AND LITES MACROS. *		00407800
		58 *	RELEASE 5 : aa185 - MINOR MAINTAINENCE, CHANGE RLD PARAMETER ON *		00407860
		59 *	THE IDMAC MACRO FROM 'N' TO 'D' TO SAVE RLD SECTOR. *		00407920
		60 *	RELEASE 6 : aa298 - MINOR MAINTAINENCE, PI0606-REQUEST BY HARRIS *		00407960
		61 *	TO CHANGE INIATOR ADDRESSES TO EQUATES AND TO *		00408000
		62 *	EXPAND THE IWAQ MACRO. MAB, 10/05/79. *		00408600
		63 *	RELEASE 7 : aa354 - EXPANDED MEMORY, PI0704, PRIORITY SUPPORT *		00408800
		64 *	CHANGE D.B. 12/24/79. ***** *		00408800

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09/11/81 12/08/81 21:28	00407600	00407800	00407860	00407920	00407960	00408000	00408600	00408800
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15	0004 3378 TUBRCBK EQU X'04'	ENABLE RECORD BACKSPACE KEY
	3379 * EQU X'02'	RESERVED
	3380 * EQU X'01'	RESERVED
16	0053 3381 TUBDEXTA EQU TUBFMSK+2	REMOTE WORKSTATIONS TUB (RUSTB)
	3382 * NOTE: THE ABOVE EQUATE IS THE DISPLAY STATION TUB POINTER	
	3383 * TO THE RUS TUB. SEE PRINTER EQUATES FOR THE PRINTER	
17	3384 * TUB'S POINTER TO THE RUS TUB.	
	0054 3385 TUBATTRA EQU TUBDEXTA+1	ATTRIBUTE BYTE 10
	0080 3386 TUBCLRAD EQU X'80'	. CLEAR ATDS
18	0040 3387 TUBSLOCK EQU X'40'	. LOCK CONTROL
	0020 3388 TUBNOFF EQU X'20'	. OFF OCL STATEMENT RECEIVED
	0010 3389 TUBPHOLD EQU X'10'	. HOLD PARAMETER FOR OFF COMMAND (ON)
19	3390 *	NOTE THAT IF THIS BIT IS NOT ON
	3391 *	IT INDICATES THE DROP PARAMETER
20	0008 3392 TUBSUBCN EQU X'08'	. SUBCONSOLE WORKSTATION

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#SVAT TCB ATTACH TRANSIENT PAGE 40 V09/11/81 12/08/81 21:28

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	1684 *				*
	0000 1685 NUFIXNUC EQU X'000'				MAIN STORAGE NUCLEUS - FIXED AREA
	1686 *				
03	0000 1687 NURSICA EQU NUFIXNUC				SYSTEM COMMUNICATION AREA
	0100 1688 NULSICA EQU 256				* (LENGTH OF AREA)
	1689 *				
04	0100 1690 NURACEQH EQU NURSICA+NULSICA				SYSTEM QUEUE HEADERS
	00C0 1691 NULACEQH EQU 192				* (LENGTH OF AREA)
	1692 *				
05	01C0 1693 NURMP10B EQU NURACEQH+NULACEQH				MULTI-PURPOSE IOB
	0020 1694 NULEN10B EQU 32				* (LENGTH OF A DISK IOB)
	1695 *				
06	01E0 1696 NURCK10B EQU NURMP10B+NULEN10B				CS TRANSIENT LOADER IOB
	1697 *				
	0200 1698 NURCPTCB EQU NURCK10B+NULEN10B				COMMAND PROCESSOR TCB
07	0002 1699 NURCPTAH EQU X'02'				COMMAND PROCESSOR TCB (HIGH)
	0080 1700 NULCPTCB EQU 128				* (LENGTH OF AREA)
	1701 *				
08	0280 1702 NURTWAKL EQU NURCPTCB+NULCPTCB				TASK WORK AREA INDEX (LEFT)
	0023 1703 NULTWAK EQU 35				(LENGTH OF AREA)(280 ENTRIES)
	02A2 1704 NURTWAKR EQU NURTWAKL+NULTWAK-1				TASK WORK AREA INDEX (RIGHT)
	1705 *				
	1706 *				NOTE: TASK WORK AREA SPACE IS INDICATED BY 8 TRACKS PER
	1707 *				BYTE. THE RIGHT BYTE INDICATES THE START OF THE TASK
10	1708 *				WORK AREA ON THE DISK.
	1709 *				
	02A3 1710 NURTWQ EQU NURTWAKL+NULTWAK				TASK WORK AREA QUEUE ELEMENT
11	0005 1711 NULTWQ EQU 5				(LENGTH OF AREA)
	1712 *				
	02A8 1713 NURDIOB EQU NURTWQ+NULTWQ				SYSTEM DISKETTE IOB/LOGOUT AREA
12	0038 1714 NULRDIOB EQU 56				* (LENGTH OF AREA)
	1715 *				
	02E0 1716 NURPLBF1 EQU NURDIOB+NULRDIOB				LIBRARY RESIDENT FORMAT-1
13	0020 1717 NULPLBF1 EQU 32				* (LENGTH OF AREA)
	1718 *				
	0300 1719 NURTRACE EQU NURPLBF1+NULPLBF1				TRACE LOGOUT ACE
14	0010 1720 NULACE EQU 16				* (LENGTH OF AN ACE)
	1721 *				
	0310 1722 NURERACE EQU NURTRACE+NULACE				ALTERNATE SECTOR ACE
15	1723 *				
	0320 1724 NURLGACE EQU NURERACE+NULACE				STATISTICAL LOGGING ACE
	1725 *				
16	0330 1726 NURTIACE EQU NURLGACE+NULACE				INTERVAL TIMER ACE
	1727 *				
	0340 1728 NURSPACE EQU NURTIACE+NULACE				MSP PROC CHECK ERROR HANDLER ACE
17	1729 *				
	0350 1730 NURSWACE EQU NURSPACE+NULACE				ACE FOR SWAP IOB
	1731 *				
18	0360 1732 NURPWACE EQU NURSWACE+NULACE				ACE FOR MS XIENT SCHEDULER
	1733 *				
	0370 1734 NURTEACE EQU NURPWACE+NULACE				ACE FOR DISKETTE ERP
19	1735 *				
	0380 1736 NURSETC EQU NURTEACE+NULACE				CS TASK-TASK ERROR ACE
20	1737 *				

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#SVAT TCB ATTACH TRANSIENT PAGE 4 V09/11/81 12/08/81 21:28

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	00430000				00450000
	102 *				ACUEQ
	103 *				*****
03					104 * EQUATES USED BY THE SET ACTION CONTROL WORD ROUTINE(NUSET) AND THE *
					105 * ACTION CONTROLLER(NUAC).
					106 * *****
04					107 * EQUATES USED BY THE NUSET ROUTINE
	0008 108 SETLOW EQU X'08'				LOW BYTE OF WORD TO BE SET
	0004 109 SETNUM EQU X'04'				NUMERIC PORTION OF BYTE TO BE SET

15	0026 3431	
	0027 3432	
16	0028 3433	
	002C 3434	
17	002D 3435	
	002E 3436	
	002F 3437	
18	0080 3438	
	0040 3439	
19	0020 3440	
	3441 *	
	3442 *	
20	3443 *	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02					0390 1734
					000B 1734
					1740
03					039B 1741
					1742
					03AD 1743
					1744
04					03AD 1745
					1746
05					03BD 1747
					1748
06					03DD 1749
					1750
					03ED 1751
					1752
07					03FD 1753
					1754
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08					1756
					0800 1757
09					0800 1758
					1759
					0100 1760
10					0780 1761
					1762
					0700 1763
					00C0 1764
11					1765
					07C0 1766
12					1767
					0310 1768
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13					1771
					1000 1772
					1773
14					1000 1774
					1000 1775
15					1776
					2000 1777
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15	3427 *	PRINTER UNIQUE PORTION OF THE TUB		
	3428	*****		
	3429 *			
16	0026 3431 TUBPEXTA EQU	TUBCOMD+2	REMOTE WORKSTATION TUB ADDRESS (PRINTERS)	
	0027 3432 TUBPRESV EQU	TUBPEXT+1	RESERVED BYTE	
	0028 3433 TUBPPFND EQU	TUBPRESV+4	FORMS NUMBER	
17	002C 3434 TUBPPFLN EQU	TUBPPFND+1	FORMS LENGTH (LINES/PAGE)	
	002D 3435 TUBPCALN EQU	TUBPPFLN+1	CURRENT LINE	
	002E 3436 TUBPPKPP EQU	TUBPCALN+1	MAX PRINT POSITION (HORIZONTAL)	
18	002F 3437 TUBDPST EQU	TUBPPKPP+1	PRINTER STATUS BYTE	
	0080 3438 TUBDPUPM EQU	X'80'	. POST USER ON ERROR MESSAGE	
	0040 3439 TUBDPPST EQU	X'40'	. PRINTER PAST READY	
19	0020 3440 TUBBEXTD EQU	X'20'	. THIS PRINTER TUB HAS AN ADDITION	
	3441 *	EQU X'10'	. RESERVED	
	3442 *	EQU X'08'	. RESERVED	
20	3443 *	EQU X'04'	. RESERVED	

C08

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#SWAT TCB ATTACH TRANSIENT		PAGE 41 09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	0390 1738 NUBDSTQE EQU	NUBSETC+NUBLACE DISPATCHER TQE	
	0008 1739 NULTQE EQU	8 * (LENGTH OF A TQE)	
	1740 *		
03	0398 1741 NUBMNTQE EQU	NUBDSSTQE+NULTQE MIDNIGHT TQE	
	1742 *		
04	03A0 1743 NUBDLTQE EQU	NUBMNTQE+NULTQE STATISTICS DATA LOG TIME Q ELEMENT	
	1744 *		
	03A8 1745 NUBATQE EQU	NUBDLTQE+NULTQE ASSIGN/FREE FAILURE TIME Q ELEMENT	
	1746 *		
05	03B0 1747 NUBDPIOB EQU	NUBATQE+NULTQE TERMINATION DUMP IOB	
	1748 *		
	03D0 1749 NUBDSPACE EQU	NUBDPIOB+NULENTQB TERMINATION DUMP ACE	
	1750 *		
06	03E0 1751 NUBSPACE EQU	NUBSPACE+NUBLACE PERMANENT SWAP ACE	
	1752 *		
07	03F0 1753 NUBIPLAF EQU	NUBSPACE+NUBLACE FIXED NUCLEUS FREE AREA #1	
	1754 *		
	1755 *****		
08	1756 *		
	0800 1757 NUBKIENT EQU	2048 MS TRANSIENT AREA	
	0800 1758 NULKIENT EQU	2048 * (LENGTH OF AREA)	
	1759 *		
09	0100 1760 NUBTRBUF EQU	256 LENGTH OF TRACE BUFFER	
	0700 1761 NUBTRBUF EQU	NUBKIENT-NUBTRBUF TRACE LOGOUT BUFFER	
	1762 *		
	0700 1763 NUBADMRK EQU	NUBTRBUF ALTER/DISPLAY MRK AREA	
	00C0 1764 NUBADMRK EQU	192 * (LENGTH OF AREA)	
	1765 *		
11	0700 1766 NUBADZK EQU	NUBTRBUF+NUBADMRK IPL STORAGE ERROR SAVE AREA	
	1767 *		
12	0310 1768 NUBIPLAF EQU	NUBTRBUF-NUBIPLAF LENGTH OF IPL FREE AREA	
	1769 *		
	1770 *****		
13	1771 *		
	1000 1772 NUBARNIC EQU	NUBKIENT+NULKIENT MAIN STORAGE NUCLEUS - VARIABLE AREA	
	1773 *		
14	1000 1774 NUBMSSQS EQU	NUBARNIC FIXED NUCLEUS FREE AREA #2	
	1000 1775 NUBMSSQS EQU	4096 DEFAULT LENGTH FREE AREA #2	
	1776 *		
15	2000 1777 NUBLOADI EQU	NUBMSSQS+NUBMSSQS LOAD ADDRESS WHEN IPL DISKETTE	
	1778 *		
	1779 *** END OF EXPANSION **		

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#SWAT TCB ATTACH TRANSIENT		PAGE 5 09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	0041 156 ACSMPTSV EQU	X40+SWI PRINTER SVC	1
	157 * EQU	X20+SWI *	2
	158 * EQU	X10+SWI *	3
03	0085 159 ACSMIOCH EQU	X08+SWI DISKETTE IOCH	4
	0045 160 ACSMIOS EQU	X04+SWI DISKETTE SVC	5
	161 * EQU	X02+SWI *	6

#SWAT TCB ATTACH TRANSIENT	
ERR LOC OBJECT CODE	ADDR
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#SWAT TCB ATTACH TRANSIENT	
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03	001F
	007F

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*SVAT TCB ATTACH TRANSIENT		PAGE 42 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		1781 *	PUPEQ 00670000
	0001	1782	PUSHOCH EQU 1 POINTER TO NEXT PUSH ELEMENT
	0003	1783	PUSHOSS EQU PUSHOCH+2 SS OF TWA ALLOCATED ON DISK
03	0004	1784	PUSHIND EQU PUSHOSS+1 PUSH INDICATOR
	0080	1785	PUSHPART EQU X'80' * TASK PUSHED PARTIALLY TO DISK
04		1786 *	NOTE THAT A VALUE OF X'FF' IN THIS BYTE INDICATES THAT
		1787 *	THE CHCOR MACRO HAS NOT EXECUTED.
	0005	1788	PUSHTSSN EQU PUSHIND+1 SECTOR VALUE FOR SWAP
	0006	1789	PUSHBEGL EQU PUSHTSSN+1 TASK BEGINNING ATR OFFSET
05		1790 *	OR USER'S BEGIN ADDRESS FOR A PARTIAL PUSH
	0007	1791	PUSHCORE EQU PUSHBEGL+1 CORE SIZE IN 2K BLOCKS
	0080	1792	PUSHINDS EQU X'80' TASK PUSHED IS NON-SWAPPABLE
06	0008	1793	PUSHLEN EQU PUSHCORE+1 LENGTH OF A PUSH ELEMENT
		1794	*** END OF EXPANSION **

*SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		1796 *	
	0001	1797	RBS
	0003	1798	RBS
03	0005	1799	RBS
	0007	1800	RBS
	0009	1801	RBS
04	000A	1802	RBS
	000B	1803	RBS
	000D	1804	RBS
05	000E	1805	RBS
	000F	1806	RBS
	0010	1807	RBS
06	0011	1808	RBS
	0012	1809	RBS
	0012	1810	RBS
07	002F	1811	RBS
	0030	1812	RBS
		1813	***

B09

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*SVAT TCB ATTACH TRANSIENT		PAGE 6 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		004F	210 ACSWKTST EQU X04+SW3+SETLOW TRANSIENT ROUTINES TEST AND SET 13
	002F	211	ACSWKSTS EQU X02+SW3+SETLOW WORKSTATION TEST AND SET ENTRY 14
	001F	212	ACSWECS EQU X01+SW3+SETLOW ECS RETURN TO SCIENTIFIC 15
03	00F7	213	ACSACOMB EQU X'F0'+SETNUM+SW3 COMBINATION MK, SWAP, TWA AND LDR

*SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		217 *	
	000B	218	SW3
	000C	219	SW3
03	0080	220	SW3

13		13	000
14		14	000
15		15	000
16		16	001
17		17	002
18		18	00E
19		19	00F
20		20	000

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42	V09/11/81	12/08/81	21:28
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#SWAT TCB ATTACH TRANSIENT		PAGE 43 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		1796 *	RBEQU
	0001	1797	RBSCHAIN EQU 1
			ADDRES OF NEXT REQUEST BLOCK
	0003	1798	RBSXR1 EQU RBSCHAIN+2
	0005	1799	RBSXR2 EQU RBSXR1+2
	0007	1800	RBSARR EQU RBSXR2+2
	0009	1801	RBSIAR EQU RBSARR+2
	000A	1802	RBSPIR EQU RBSIAR+1
	000B	1803	RBSPSR EQU RBSPIR+1
	000D	1804	RBSRQ EQU RBSPSR+2
	000E	1805	RBSINL1 EQU RBSRQ+1
	000F	1806	RBSINL2 EQU RBSINL1+1
	0010	1807	RBSINL3 EQU RBSINL2+1
	0011	1808	RBSINL4 EQU RBSINL3+1
	0012	1809	RBSLEN EQU RBSINL4+1
	0012	1810	RBSWORKS EQU RBSINL4+1
	002F	1811	RBSWORK EQU RBSINL4+30
	0030	1812	RBSLEN EQU RBSWORK+1
		1813	*** END OF EXPANSION **

01	#SWAT TCB ATTACH TRANSIENT
02	ERR LOC OBJECT CODE
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6	V09/11/81	12/08/81	21:28
01			
02			

#SWAT TCB ATTACH TRANSIENT		PAGE 7 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		217 *	ATACH V-EQU
	000B	218	SATLOAD EQU X'0B'
			LOADER PARAM LIST OFFSET

01	#SWAT TCB ATTACH TRANSIENT
02	ERR LOC OBJECT CODE

13	0021 3535 SUBSFAM EQU X'21'	. SESSION FAIL MODIFIER	
	0001 3536 SUBSFAM EQU X'01'	. SESSION FAIL MODIFIER	
	0022 3537 SUBSEOF EQU SUBSEOC	. SESSION EOF MODIFIER	
	0002 3538 SUBSEOFM EQU SUBSEOCM	. SESSION EOF MODIFIER	
14	0004 3540 SUBCMD EQU TUBCMD	SUB COMMAND CODE	
	0001 3541 SUBGET EQU X'01'	. GET OPERATION	
	0002 3542 SUBPUT EQU X'02'	. PUT OPERATION	
15	0004 3543 SUBEVOK EQU X'04'	. EVOKE OPERATION	
	0008 3544 SUBSRCD EQU X'08'	. REQUEST CHANGE OF DIRECTION	
	0010 3545 SUBSREL EQU X'10'	. RELEASE OPERATION	
16	0020 3546 SUBSACQ EQU X'20'	. ACQUIRE OPERATION	
	0030 3547 SUBSACQ EQU X'30'	. SPECIAL ACQUIRE OPERATION	
	0040 3548 SUBSCAN EQU X'40'	. CANCEL OPERATION	
17	0080 3549 SUBSNRP EQU X'80'	. NEGATIVE RESPONSE	
	00E0 3550 SUBSEDSN EQU X'E0'	. NORMAL END OF STEP OR JOB	
	00F0 3551 SUBSEDSA EQU X'F0'	. ABNORMAL END OF STEP OR JOB	
18	00FF 3552 SUBSASF EQU X'FF'	. ASSIGN FAILURE IN ICSSQS	
	0006 3554 SUBDATA EQU SUBCMD+2	DATA BUFFER ADDRESS	
19	0008 3555 SUBOUTL EQU SUBDATA+2	OUTPUT LENGTH	
	0008 3556 SUBEFFL EQU SUBOUTL	EFFECTIVE INPUT LENGTH	
20	000A 3557 SUBASGNL EQU SUBOUTL+2	ASSIGNED OR PREALLOCATED BUFFER LENGTH	

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00690000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT
02	1815 *			SCAEQ
	1816 *			*****
03	1817 *			SYSTEM
	1818 *			
	1819 *			
04	1820 *			COMMUNICATION AREA
	1821 *			
	1822 *			*****
05	0000 1824 SCASYS EQU 0			BEGINNING OF SYSTEM COMM
	1825 *			
06	0001 1826 SCADDMTC EQU SCASYS+1			ABNORMAL TERMINATION ERROR MTC
	1827 *			(WILL BE SEEN IN DUMP AREA ONLY)
	1828 *			
07	0000 1829 SCADPSVC EQU SCASYS 3			DUMP SVC (LEFT HAND ADDRESS)
	0003 1830 SCADXSVC EQU SCADPSVC+3 3			TRANSIENT EXIT SVC (LEFT HAND)
	0005 1831 SCADSSVC EQU SCASYS+5			SYSTEM SVC AREA
	1832 *			
08	0006 1833 SCAMSIZE EQU SCADSSVC+1 1			MAIN STORAGE SIZE IN 2K BLOCKS
	0080 1834 SCAMZ56K EQU X'80'			X'80' - 256K MAIN STORAGE (R7I)
	0040 1835 SCAM128K EQU X'40'			X'40' - 128K MAIN STORAGE
09	0030 1836 SCAM96K EQU X'30'			X'30' - 96K MAIN STORAGE
	0020 1837 SCAM64K EQU X'20'			X'20' - 64K MAIN STORAGE
	0018 1838 SCAM48K EQU X'18'			X'18' - 48K MAIN STORAGE
10	0010 1839 SCAM32K EQU X'10'			X'10' - 32K MAIN STORAGE
	1840 *			
	0008 1841 SCAZKBAD EQU SCAMSIZE+2 2			ADDRESS OF BAD 2K BLOCKS SAVE
11	0000 1842 SCAZKOK EQU X'0000'			NO BAD 2K BLOCKS
	1843 *			
	000A 1844 SCADSP1a EQU SCAZKBAD+2 2			SPOOL INTERCEPT STORAGE ADDRESS
12	1845 *			
	0008 1846 SCADCF5Z EQU SCADSP1a+1 1			CONFIGURATION RECORD SECTORS
	1847 *			
13	000C 1848 SCAM2KMS EQU SCADCF5Z+1 1			NUMBER OF AVAILBLE 2K BLOCKS MS
	1849 *			(MAIN STORAGE SIZE MINUS NUMBER
	1850 *			OF BAD 2K BLOCKS)
14	000D 1852 SCAM52K EQU SCAM2KMS+1 1			2K BLOCKS OF USER STORAGE
	1853 *			
15	000E 1854 SCAMXRG EQU SCAM52K+1 1			SHAPPABLE TASK REGION SIZE
	1855 *			
	000F 1856 SCADISK EQU SCAMXRG+1 1			DISK CONFIGURATION
16	0080 1857 SCADUAL EQU X'80'			MULTIPLE SPINDLE DISK (R7I)
	0080 1858 SCA2SPIN EQU X'80'			2 SPINDLE DISK (R7I)
	0020 1859 SCA3SPIN EQU X'20'			3 SPINDLE DISK (R7I)
17	0010 1860 SCA4SPIN EQU X'10'			4 SPINDLE DISK (R7I)
	0040 1861 SCADKCFG EQU X'40'			DISK CONFIG FLAG (R3I)
	1862 *			0 - SMALL CAPACITY DISK
	1863 *			1 - LARGE CAPACITY DISK
	1864 *			*****
19	1865 *			THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL
	1866 *			CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK.
	1867 *			*****
20	0081 1868 SCADSKS EQU X'81'			DISK STATUS BITS

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT
02				

0002 3

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0001 3

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0013 3

0014 3

0016 3

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0018 3

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0018 3

0019 3

0010 1

0011 1

0014 1

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT
02				

14	3594 *			IN THE SUBSYSTEM'S QUEUE SPACE.	14	0040 3646
	3595 *			SUBASGNL AND SUBASGNB ARE THE LENGTH		0020 3647
	3596 *			AND ADDRESS.		0010 3648
15	0001 3596 SUBDFRSP EQU X'01'			DEFINITE RESPONSE - DON'T DO READ AHEAD	15	3649
	3597 *			THIS BIT IS SET ON BY THE SUBSYSTEM		
	3598 *			TO PREVENT ICFDM FROM DOING A READ		
	3599 *			AHEAD GET OPERATION WHEN CD NOT REC.		0038 3651
16	0013 3601 SUBCHAIN EQU TUBCHAIN			SUB CHAIN FIELD	16	0000 3653
	0014 3602 SUBSTSKI EQU SUBCHAIN+1			SUBSYSTEM TASK ID		0001 3654
17					17	0002 3655
18	0016 3604 SUBXFACT EQU SUBSTSKI+2			PAD TO ADD TO BUFFER LENGTH	18	0039 3657
	3605 *			LEFT HAND BYTE IS FOR INPUT		
	3606 *			RIGHT HAND BYTE IS FOR OUTPUT		0020 3659
19					19	0004 3660
	0018 3608 SUBXPRM EQU SUBXFACT+2			ADDRESS OF OPERATION PARM LIST		0002 3661
	0019 3609 SUBXRES1 EQU SUBXPRM+1			RESERVED FOR SUBSYSTEM USE		0001 3662
20					20	3663 *

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V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 45	V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
00710000	0001	1869	SCAMDS12 EQU X'01'	X'01' - DISK FILE SIZE	0080	192			
		1870 *		0 - 8 MEGABYTE DISK	0020	192			
		1871 *		1 - 12 MEGABYTE DISK	0040	192			
	0081	1872	SCAM27MG EQU X'81'	27 MEGABYTE DISK	0010	192			
	0001	1873	SCAM13MG EQU 1	13 MEGABYTE DISK	0008	192			
	0000	1874	SCAM10MG EQU 0	8 MEGABYTE DISK	0004	192			
		1875 *			0002	192			
		1876		*****	0001	193			
	1877 *			THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A LARGE	193				
	1878 *			CAPACITY DISK, ONE WITH 64 SECTORS PER TRACK.	0015	193			
	1879			*****	0080	193			
	0040	1880	SCAM62PC EQU X'40'	LARGE CAPACITY DISK IR31	0040	193			
	0001	1881	SCAM65MG EQU X'01'	65 MEGABYTE DISK IR31	0020	193			
	0041	1882	SCAM65M EQU X'41'	65 MEGABYTE DISK IR71	0010	193			
	00C1	1883	SCAM130M EQU X'C1'	130 MEGABYTE DISK IR71	0008	193			
	00E1	1884	SCAM195M EQU X'E1'	195 MEGABYTE DISK IR71	0004	193			
	0001	1885	SCAM260M EQU X'D1'	260 MEGABYTE DISK IR71	0002	193			
		1886 *			0001	194			
	0010	1887	SCADPIND EQU SCASDISK+1 1	SYSTEM/DUMP INDICATOR	194				
	00A5	1888	SCAMDPOK EQU X'A5'	VALID DUMP	0016	194			
	005A	1889	SCAMPDUS EQU X'5A'	VALID DUMP - HAS BEEN ACCESSED	0017	194			
		1890 *			194				
	0011	1891	SCACSIZE EQU SCADPIND+1 1	CONTROL STORAGE CONFIGURATION	0018	194			
	0004	1892	SCACS16K EQU X'04'	X'04' -16K CONTROL STORAGE	0080	194			
		1893 *			0040	194			
	0012	1894	SCADCFG1 EQU SCACSIZE+1 1	SPOOL AND JOBQ INDICATORS	0020	194			
	0080	1895	SCAMAUTO EQU X'80'	X'80' - AUTO WRITER SUPPORTED	0010	194			
		1896 *		X'04' - RESERVED IR81	0008	195			
	0020	1897	SCAMSPG EQU X'20'	X'20' - SPOOL ALL PRINTERS IR81	0004	195			
	0010	1898	SCAMSGACT EQU X'10'	X'10' - SPOOL IS ACTIVE	0002	195			
		1899 *		(SUPPORTED NOT CANCELLED)	0001	195			
	0008	1900	SCAMCRAN EQU X'08'	X'08' - SPOOL COMPRESS RUN	195				
		1901 *		(REFORMAT SPOOL FILE AT IPL)	195				
	0004	1902	SCAMJQHD EQU X'04'	X'04' - HOLD JOB QUEUE	196				
		1903 *		(DO NOT START AT IPL)	195				
	0002	1904	SCAMJQFM EQU X'02'	X'02' - REFORMAT JOBQ AT IPL	195				
		1905 *		IF NOT IPL, INPUT JOB QUEUE	195				
		1906 *		HAS BEEN POSTED	196				
	0001	1907	SCAMSPB EQU X'01'	X'01' - ALLOCATE FILE ON 'B'	001A	196			
		1908 *			001C	196			
	0013	1909	SCADCFG2 EQU SCADCFG1+1 1	SSP CONFIGURATION OPTIONS	196				
	0080	1910	SCAMCNAT EQU X'80'	COMMAND LANGUAGE	001E	196			
	0040	1911	SCAMPUSF EQU X'40'	PASSWORD SECURITY	0020	196			
	0020	1912	SCAMJOBQ EQU X'20'	JOB QUEUE	196				
	0010	1913	SCAMSPOL EQU X'10'	SPOOL	0022	196			
	0008	1914	SCAMJDMX EQU X'08'	DISPLAY STATION DM TRANSIENT	0023	196			
	0004	1915	SCAMJDMR EQU X'04'	DISPLAY STATION DM RESIDENT	196				
		1916 *		NOTE: IF 'JDMX JDMR' BOTH =1'	0025	197			
		1917 *		THEN RESIDENT/TRANSIENT	0027	197			
		1918 *		VERSION OF DSDM SELECTED.	197				
	0002	1919	SCAMKMSG EQU X'02'	KEEP INFO. MESSAGES AT EOJ IR41	0029	197			
	0001	1920	SCAMCIDE EQU X'01'	COMMAND LANGUAGE IS ENGLISH	0028	197			
		1921 *			002D	197			
	0014	1922	SCADCFG3 EQU SCADCFG2+1 1	COMMUNICATIONS FEATURES IR31	197				

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V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 9	V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
00490000	0009	321	D1ASSAVA EQU D1UNUS08+1	BEST FIT ASSIGN SAVE AREA 8	0014	31			
	000A	322	D1XAMSWI EQU D1ASSAVA+1	EXAM SWAP IN CANDIDATE 6	0015	31			
	0008	323	D1CURZ8 EQU D1XAMSWI+1	CURRENT (EXAFB - 28) 6	0016	31			
	000C	324	D1WSCAF EQU D1CURZ8+1	STORE FEATURE INFORMATION FOR ATOM aa255	0017	31			
	000D	325	D11OLDAR EQU D1WSCAF+1	SAVED LOGICAL DISKETTE DATA ADDRESS aa184	0018	31			

15	0010 3648 SUBIN# EQU TUBAT#	3649 * BITS 4-7 NOT DEFINED			
16	0038 3651 SUBLIN# EQU TUBATTR4	LINE NUMBER OF SESSION			
	0000 3653 SUBLINI EQU 0	LINE NUMBER FOR INTRA SUBSYSTEM			
	0001 3654 SUBLINI EQU 1	LINE NUMBER 1			
	0002 3655 SUBLIN2 EQU 2	LINE NUMBER 2			
18	0039 3657 SUBATTR5 EQU TUBATTR5	ATTRIBUTE 5			
	0020 3659 SUBEQXR EQU TUBLOP	END OF TRANSACTION CODE RECEIVED			
	0004 3660 SUBREL EQU TUBREL	SESSION RELEASED			
	0002 3661 SUBSRQ EQU TUBSRQ	SRT RELEASED REQUESTOR			
	0001 3662 SUBABTRM EQU TUBABTRM	CALL TERMINATION PRIOR TO RELEASE			
20	3663 * OTHER 4 BITS ARE NOT DEFINED				

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V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 46 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ADDR S
02	0080 1923 SCAMBSCA EQU X'80'	.		BSCA	002F 19
	0020 1924 SCAMSRJE EQU X'20'	.		SRJE	19
	0040 1925 SCAMRJE EQU X'40'	.		MRJE	0031 19
	0010 1926 SCAMNA EQU X'10'	.		SNA	0033 19
	0008 1927 SCAMNS EQU X'08'	.		NLS	0035 19
	0004 1928 SCAMICS EQU X'04'	.		SSP/ICF	19
	0002 1929 SCAMLCAF EQU X'02'	.		MLCA	0038 19
	0001 1930 SCAMDITTO EQU X'01'	.		AUTOCALL	003E 19
	1931 *				0041 19
05	0015 1932 SCAMBSV EQU SCADCF63+1	1		SSP CONFIGURATION OPTIONS	19
	0080 1933 SCAMD32 EQU X'80'	X'80'		SINGLE PROGRAM MODE	0044 19
	0040 1934 SCAMSPFN EQU X'40'	.		X'40' - MLCA S#F ACTIVE	19
	0020 1935 SCAMSNF EQU X'20'	.		X'20' - S#F ACTIVE	0047 19
	0010 1936 SCAMCLOG EQU X'10'	.		X'10' - CONSOLE SYSLOG POSTED	19
	0008 1937 SCAMFLG EQU X'08'	.		X'08' - SECURITY	19
	0004 1938 SCAMCFGS EQU X'04'	.		X'04' - BUILD CONFIG RECORDS	19
	0002 1939 SCAMPLE EQU X'02'	.		X'02' - PID MODEL INDICATOR	19
	0001 1940 SCAMDEAD EQU X'01'	X'01'		DEDICATED EXECUTION	19
	1941 *				19
	0016 1942 SCADREL# EQU SCAMBSV+1	1		SYSTEM RELEASE LEVEL	19
	0017 1943 SCADMOD# EQU SCADREL#+1	1		SYSTEM MODIFICATION LEVEL	19
	1944 *				0049 19
	0018 1945 SCADCMTR EQU SCADMOD#+1	1		COMMUNICATIONS TRACE INDICATORS	004B 19
	0080 1946 SCAML4TX EQU X'80'	.		EXTENDED TRACE LINE4	20
	0040 1947 SCAML3TX EQU X'40'	.		EXTENDED TRACE LINE3	004D 20
	0020 1948 SCAML2TX EQU X'20'	.		EXTENDED TRACE LINE2	004D 20
	0010 1949 SCAML1TX EQU X'10'	.		EXTENDED TRACE LINE1	20
	0008 1950 SCAML4TR EQU X'08'	.		TRACE COMMUNICATIONS LINE 4	004F 20
	0004 1951 SCAML3TR EQU X'04'	.		TRACE COMMUNICATIONS LINE 3	20
	0002 1952 SCAML2TR EQU X'02'	.		TRACE COMMUNICATIONS LINE 2	0051 20
	0001 1953 SCAML1TR EQU X'01'	.		TRACE COMMUNICATIONS LINE 1	0052 20
	1954 *				20
	1955 * THE FOLLOWING FIELDS DESCRIBE THE DISK ADDRESS (SS) AND				0053 20
	1956 * SIZE (SECTORS) OF VARIOUS WORK AREAS ON THE DISK. WHERE				20
	1957 * POSSIBLE THE SS HAS BEEN DEFINED AS A 2 BYTE FIELD. THESE				0055 20
	1958 * FIELDS ARE ORDER DEPENDENT AND DESCRIBE A ONE-TO-ONE				20
	1959 * RELATIONSHIP WITH THE SYSTEM CONFIGURATION RECORD, PART-1.				0057 20
	1960 *				0059 20
	001A 1961 SCASSTWA EQU SCADCMTR+2	2		SS OF TASK WORK AREA	20
	001C 1962 SCATWASZ EQU SCASSTWA+2	2		SIZE OF TASK WORK AREA	005A 20
	1963 *				00E0 20
	001E 1964 SCAVTOC EQU SCATWASZ+2	2		SECTOR ADDRESS OF DISK VTOC	0010 20
	0020 1965 SCAVTON EQU SCAVTOC+2	2		SIZE OF DISK VTOC	20
	1966 *				0058 20
	0022 1967 SCAIVTOC EQU SCAVTON+2	2		SS OF DISKETTE VTOC WORK AREA	0080 20
	0023 1968 SCAIVTON EQU SCAIVTOC+1	1		SIZE OF DISKETTE VTOC WORK AREA	0040 20
	1969 *				0020 20
	0025 1970 SCASIOSS EQU SCAIVTON+2	2		SS OF SIO TABLE DIRECTORY	0010 20
	0027 1971 SCALOGSS EQU SCASIOSS+2	2		SS OF ERROR TABLE DIRECTORY	0008 20
	1972 *				0004 20
	0029 1973 SCADSSMS EQU SCALOGSS+2	2		SS OF MAIN STORAGE DUMP AREA	0002 20
	0028 1974 SCADSSCS EQU SCADSSMS+2	2		SS OF CONTROL STORAGE DUMP AREA	0001 20
	002D 1975 SCADSSIO EQU SCADSSCS+2	2		SS OF I/O PROCESSOR DUMP AREA	20
	1976 *				

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V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 10 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ADDR S
02	0014 375 DILATRA EQU DISWPMIN+1			ADDR OF LOAD ATR ROUTINE IN SEGMENT 0	0001
	0015 376 DIREGPTR EQU DILATRA+1			ADDR OF START OF MSP REGISTER SAVE AREA	
	0016 377 DISECA EQU DIREGPTR+1			SYSTEM COUNTER TABLE ADDRESS	
	0017 378 DITMVAL EQU DISECA+1			ADDR OF HARDWARE TIMER VALUE	
	0018 379 DISWTCBO EQU DITMVAL+1			SWAPOUT TCB ADDRESS.	
	380 *				
	381 *****				
	382 * 'NON-CONSTANT' CONTROL STORAGE PRINTERS AND LINDS				0080

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E 46 V09/11/81 12/08/81 21:28

#SVAT TCB ATTACH TRANSIENT PAGE 47 V09/11/81 12/08/81 21:28

#SVAT TCB ATTACH TRANS

01
02
03
IR41
IR61
IR61
04
05
IR61
IR41
ED
S
06
07
08
09
TORS
IR61
IR61
IR41
IR41
IR61
IR61
IR31
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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
002F	1977	SCACONFG	EQU	SCADSS10+2 2 SS OF CONFIGURATION RECORD
	1978	*		
0031	1979	SCASHIST	EQU	SCACONFG+2 2 START SS OF HISTORY FILE
0033	1980	SCAHFSIZ	EQU	SCASHIST+2 2 SIZE OF HISTORY FILE
0035	1981	SCANFCUR	EQU	SCAHFSIZ+2 2 SS OF CURRENT HISTORY FILE ENTRY
	1982	*		
0038	1983	SCASHMSG1	EQU	SCANFCUR+3 3 SS-1ST LVL SSP MSG MEMB (**MSG1)
0038	1984	SCASHMSG	EQU	SCASHMSG1+3 3 SS-SSP HEADINGS MSG MEMB(**MSG2)
003E	1985	SCASHMSG	EQU	SCASHMSG+3 3 SS-SSP WK STATN MSG MEMB(**MSG9)
0041	1986	SCASHMSG2	EQU	SCASHMSG+3 3 SS-2ND LVL SSP MSG MEMB (**MSG4)
	1987	*		
0044	1988	SCADSSJQ	EQU	SCASHMSG+3 3 SS OF INPUT JOB QUEUE FILE
	1989	*		
0047	1990	SCADSSPR	EQU	SCADSSJQ+3 3 SS OF SPOOL PRIMARY FILE IR81
	1991	*		BEFORE SPOOL IS INITIALIZED DURING IPL THIS FIELD WILL
	1992	*		BE INITIALIZED TO ONE OF THE FOLLOWING:
	1993	*		X'000000' CANCEL SPOOL.
	1994	*		X'FF0000' DELETE SPOOL FILE AND CANCEL SPOOL.
	1995	*		X'00N***' WHERE: N = SPOOL FILE SEGMENT SIZE (BLOCKS-1)
	1996	*		*** = NUMBER OF SPOOL FILE SEGMENTS
	1997	*		
0049	1998	SCAUSER@	EQU	SCADSSPR+2 2 START ADDRESS OF USER STORAGE
004B	1999	SCADSBF@	EQU	SCAUSER@+2 2 ADDRESS OF SPOOL BUFFER POOL
	2000	*		
004D	2001	SCADMERP	EQU	SCADSBF+2 2 ADDRESS OF MSP ERROR SAVE AREA
004D	2002	SCADCPK@	EQU	SCADMERP 2 ADDRESS OF C.P. DISKETTE IOB
	2003	*		
004F	2004	SCADLBF1	EQU	SCADMERP+2 2 ADDRESS OF #LIBRARY FORMAT-1
	2005	*		
0051	2006	SCADF1ST	EQU	SCADLBF1+2 2 FIRST ACTIVE FORMAT-1 ON CHAIN
0052	2007	SCAD#TUB	EQU	SCADF1ST+1 1 NUMBER OF LOCAL CONFIG. TUBS
	2008	*		
0053	2009	SCADBSCT	EQU	SCAD#TUB+1 1 NUMBER OF USERS OF BSC DM
	2010	*		
0055	2011	SCADVICE	EQU	SCADBSCT+2 2 ADDRESS OF DEVICE ALLOC TABLE
	2012	*		
0057	2013	SCADSEU@	EQU	SCADVICE+2 2 ADDRESS SEU MEMBER CHAIN
0059	2014	SCADSEU@	EQU	SCADSEU@+2 2 SEU QUEUE HEADER
0059	2015	SCAIPLW@	EQU	SCADSEU@ 2 IPL WORK AREA
	2016	*		
005A	2017	SCADSL@	EQU	SCADSEU@+1 1 SYSLOG ASSIGNED INDICATOR
00E0	2018	SCAMPRT	EQU	X'EO' . SYSLOG ASSIGNED TO PRINTER
0010	2019	SCAMPRT	EQU	X'10' . SYSLOG ASSIGNED TO WORK STATION
	2020	*		
005B	2021	SCASYS1	EQU	SCADSL@+1 1 SYSTEM CONFIGURATION BYTE 5
0080	2022	SCAHFERR	EQU	X'80' . X'80' - ERROR IN HISTORY FILE
0040	2023	SCAMPLC	EQU	X'40' . X'40' - IPL-PROCESSING COMPLETE
0020	2024	SCAOVER	EQU	X'20' . X'20' - IPL-OVERRIDE RECEIVED
0010	2025	SCAM1PL	EQU	X'10' . X'10' - IPL-SIGN ON COMPLETE
0008	2026	SCAMRBLD	EQU	X'08' . X'08' - IPL-FILE REBUILD
0004	2027	SCAMEJCT	EQU	X'04' . X'04' - SYSLOG EJECT AT EOJ
0002	2028	SCAMCLOK	EQU	X'02' . X'02' - CONFIG RECORD LOCK IR31
0001	2029	SCAMPREP	EQU	X'01' . X'01' - PREPARE REQUEST ISSUED
	2030	*		

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#SVAT TCB ATTACH TRANS

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VE AREA

ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
0001	429	ADSTPMOD	EQU	X'01' A/D IN INSTRUCTION STEP MODE.
	430	*		
	431	*		LOW BYTE CONTROL BITS AND OFFSET INTO \$ADINIT
	432	*		OXREF TABLE THAT HAS DISK ADDRESSES OF
	433	*		A/D TRANSIENTS.
	434	*		

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14	0031 3728 TWA*TKM EQU 49	TAG 49- TASK MESSAGE QUEUE AREA
	3729 * 54	TAG 54- END OF MESSAGE QUEUE AREA
	0037 3730 TWA*OCLC EQU 55	TAG 55- OCL COMMAND SAVE AREA
15	0038 3731 TWA*XLAT EQU 56	TAG 56- TRANSLATE TABLE AREA
	0039 3732 TWA*RRMG EQU 57	TAG 57- DUAL MESSAGE ROUTING AREA
	3733 * 58	TAG 58- RESERVED THRU 59
	3734 *	
16	3735 * COMMAND PROCESSOR TAGS	
	3736 *	
	0000 3737 TWA*NUSE EQU 00	TAG 00- NOT USED
17	0001 3738 TWA*SCO1 EQU 01	TAG 01- SYSTEM CONSOLE IMAGE
	3739 * 07	TAG 07- END
	0014 3740 TWA*END EQU 20	NUMBER OF IMAGES
18	0008 3741 TWA*MQ01 EQU 08	TAG 08- MESSAGE QUEUE
	3742 * 13	TAG 13- END OF MESSAGE QUEUE TAGS
	000E 3743 TWA*CURT EQU 14	TAG 14- CURRENT SYSTEM PRINTER IMAGE
19	000F 3744 TWA*SCSV EQU 15	TAG 15- SYSTEM CONSOLE SAVE/RESTORE AREAS
	000F 3745 TWA*CNLS EQU 15	CONSOLE SAVE AREA (15-26)
20	001B 3746 TWA*USSA EQU 27	WORKSTATION SAVE AREA (27-38)

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	005C 2031	SCASYS2	EQU	SCASYS1+1	1 SYSTEM CONFIGURATION BYTE 6
	0080 2032	SCAMTBS	EQU	X'80'	. X'80' - COMM TASK BEING ASSIGNED
03	0040 2033	SCAMCHK	EQU	X'40'	. X'40' - MASTER CONSOLE CHECK
	0020 2034	SCAMHLP	EQU	X'20'	. X'20' - HIGH LEVEL DEDICATION
	0010 2035	SCAMPLP	EQU	X'10'	. X'10' - IPL - STARTUP PROC (R4)
04	0008 2036	SCAMDATE	EQU	X'08'	. X'08' - SYSTEM DATE RECEIVED
	0004 2037	SCAMUTC	EQU	X'04'	. X'04' - DDDMMY DATE WORLD TRADE
	0002 2038	SCAMDOM	EQU	X'02'	. X'02' - MDDYY DATE DOMESTIC
	0001 2039	SCAMYYD	EQU	X'01'	. X'01' - YYYDD DATE SPECIAL
05	2040 *				
	2041 *				SYSTEM IPL DATE - IN PACKED FORMAT (YY MM DD)
06	005D 2042	SCADYEAR	EQU	SCASYS2+1	1 SYSTEM YEAR
	005E 2043	SCADMONTH	EQU	SCADYEAR+1	1 SYSTEM MONTH
	005F 2044	SCADDAY	EQU	SCADMONTH+1	1 SYSTEM DAY
	005F 2045	SCADDATE	EQU	SCADDAY	3 SYSTEM DATE (YMD)
07	2046 *				
	0060 2047	SCADCTUT	EQU	SCADDATE+1	1 COUNT OF USER TASKS IN SYSTEM
	2048 *				
08	0066 2049	SCARDVOL	EQU	SCADCTUT+6	6 DISKETTE VOLUME LABEL
	2050 *				
09	0067 2051	SCARDFMT	EQU	SCARDVOL+1	1 DISKETTE PHYSICAL FORMAT
	0080 2052	SCAMPLA	EQU	X'80'	. X'80' - IPL AUTOLOADER FLAG (R3)
	2053 *				0 - IPL DISKETTE, AUTO-YES
	2054 *				1 - IPL DISKETTE, AUTO-NO
10	0040 2055	SCAM2FM	EQU	X'40'	. X'40' - 2 SIDED - FM RECORDING
	0020 2056	SCAM1FM	EQU	X'20'	. X'20' - 2 SIDED - FM RECORDING
	0010 2057	SCAM1FM	EQU	X'10'	. X'10' - 1 SIDED - FM RECORDING
11	0008 2058	SCAM1024	EQU	X'08'	. X'08' - RECORD SIZE = 1024
	0004 2059	SCAM0512	EQU	X'04'	. X'04' - RECORD SIZE = 512
	0002 2060	SCAM0256	EQU	X'02'	. X'02' - RECORD SIZE = 256
12	0001 2061	SCAM0128	EQU	X'01'	. X'01' - RECORD SIZE = 128
	2062 *				
13	0068 2063	SCADKLC	EQU	SCARDFMT+4	4 DISKETTE VOLUME LRC CHARACTERS
	2064 *				
	0060 2065	SCATPLK	EQU	SCADCTUT	. IPL WORK AREA (START)
14	0068 2066	SCATPLU1	EQU	SCADKLC	. IPL WORK AREA (END)
	2067 *				
	006D 2068	SCADPTUB	EQU	SCADKLC+2	2 MASTER CONSOLE TUB ADDRESS
15	006F 2069	SCADPTUB	EQU	SCADPTUB+2	2 SYSTEM PRINTER TUB ADDRESS
	2070 *				
	2071 *				COMMAND PROCESSOR DISPLACEMENTS AND BIT MASKS
	2072 *				
16	0070 2073	SCADCP51	EQU	SCADPTUB+1	1 SWITCH BYTE ONE
	0080 2074	SCAMCPL	EQU	X'80'	. STOP COMPLETE MESSAGE SENT
17	0040 2075	SCAMALL	EQU	X'40'	. NO JOBS CAN BE INITIATED
	0020 2076	SCAMSJE	EQU	X'20'	. SPOOL WRITER/JOBQ EDJ REQUIRED
	0010 2077	SCAMISE	EQU	X'10'	. WSM SEND EDJ COMPLETION CODE
	0008 2078	SCAMIST	EQU	X'08'	. SPOOL WRITER HAS BEEN STARTED
18	0004 2079	SCAMJQS	EQU	X'04'	. JOBQ HAS BEEN STARTED
	0002 2080	SCAMSEC	EQU	X'02'	. SECURITY IS ACTIVE
	0001 2081	SCAMERP	EQU	X'01'	. CALL I/O ERP TRANSIENT
19	2082 *				
	0071 2083	SCADCP52	EQU	SCADCP51+1	SWITCH BYTE TWO
20	0080 2084	SCAMKEYS	EQU	X'80'	. KEY SORT ALL FILES AT SHUT DOWN

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	483				*****
	484 *				'CONSTANT' POINTERS TO MAIN STORAGE ITEMS *
	485				*****
03	002B 486	D1TCBDR	EQU	D1TPTOX+1	ADDR OF MAIN STORAGE TCB QUEUE

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0087 3
0088 3
0089 3
008A 3
008B 3
008C 3
0001 3
00FF 3
00FE 3
00FC 3

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#SVAT TCB ATTACH TRANSIENT

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	0040	2085	SCAMCOUT	EQU X'40'	. CONSOLE READY TO OUTPUT MESSAGE
	0020	2086	SCAMHELP	EQU X'20'	. HELP FEATURE ACTIVE (R31)
	0010	2087	SCAMCPAF	EQU X'10'	. C. P. USQS ASSIGN FAILURE (R31)
	0008	2088	SCAMMSBL	EQU X'08'	. REBUILD - EXECUTE REBUILD
	0004	2089	SCAMDELE	EQU X'04'	. REBUILD - DELETE FILES IN ERROR
	0002	2090	SCAMTOLD	EQU X'02'	. REBUILD - EXAMINE OLD FILES ALSO
	0001	2091	SCAMTELL	EQU X'01'	. REBUILD - DISPLAY LABELS IN ERROR
		2092	*		
	0073	2093	SCADMGI	EQU SCADCP52+2	2 MESSAGE ORDER INDEX ADDRESS
	0076	2094	SCADSECA	EQU SCADMGI+3	3 SSS OF SECURITY FILE
		2095	*		
	0077	2096	SCADABCT	EQU SCADSECA+1	1 AUTO-BUFFER DISABLE COUNT (R31)
		2097	*		
	0078	2098	SCADXTRA	EQU SCADABCT+1	1 EXTENDED TRACE INDICATORS (R41)
	0080	2099	SCAMXTRA	EQU X'80'	. EXTENDED TRACE ACTIVE
	0040	2100	SCAMILOTX	EQU X'40'	. EXTENDED TRACE LINE 0 (INTRA)
	0020	2101	SCAMLOTR	EQU X'20'	. LOG TRACE LINE 0 (INTRA)
		2102	*	EQU X'10'	. RESERVED
		2103	*	EQU X'08'	. RESERVED
		2104	*	EQU X'04'	. RESERVED
		2105	*	EQU X'02'	. RESERVED
		2106	*	EQU X'01'	. RESERVED
		2107	*		
	0079	2108	SCADPCFG	EQU SCADXTRA+1	1 DATA MANAGEMENT OPTIONS (R41)
	0080	2109	SCADMREC	EQU X'80'	. DELETED RECORD CAPABILITY (R41)
	0040	2110	SCASPARK	EQU X'40'	. SEQ. PROC. ADDED REC. BY KEY (R61)
		2111	*	EQU X'20'	. RESERVED
		2112	*	EQU X'10'	. RESERVED
		2113	*	EQU X'08'	. RESERVED
		2114	*	EQU X'04'	. RESERVED
		2115	*	EQU X'02'	. RESERVED
		2116	*	EQU X'01'	. RESERVED
		2117	*		
	007A	2118	SCAD#NZK	EQU SCADPCFG+1	1 NUMBER NUCLEUS 2K BLOCKS (R41)
		2119	*		
	007B	2120	SCADMCTR	EQU SCAD#NZK+1	1 COUNTER OF MRT JOBS ACTIVE
	007D	2121	SCADSCIM	EQU SCADMCTR+2	2 ADDRESS SYS CONSOLE IMAGE MATRIX
	007E	2122	SCADMID#	EQU SCADSCIM+1	1 MESSAGE ID # FOR SYS CON REPLY
	007F	2123	SCADRSC2	EQU SCADMID#*1	1 SIZE OF RESOURCE SECURITY FILE
	0080	2124	SCADSEC2	EQU SCADRSC2+1	1 SIZE OF SECURITY FILE
	0082	2125	SCADCPUB	EQU SCADSEC2+2	2 COMMAND PROCESSOR WORKAREA ADDRESS
		2126	*		
	0084	2127	SCACSATB	EQU SCADCPUB+2	2 CONTROL STORE ALLOCATE TABLE
		2128	*		
	0085	2129	SCADXSLT	EQU SCACSATB+1	1 I2 SLOT NUMBER (HEX) (R31)
	008A	2130	SCADSLT	EQU SCADXSLT+5	5 I2 SLOT NUMBER DECIMAL (R31)
		2131	*		
	008B	2132	SCADMONT	EQU SCADSLT+1	1 MESSAGE Q COUNT
		2133	*		
	008C	2134	SCADOSP1	EQU SCADMONT+1	1 CSP ----> MSP INTERFACE BYTE
	0080	2135	SCAM1255	EQU X'80'	. MICR ATTACHMENT ON SYSTEM (R21)
	0040	2136	SCAMARR	EQU X'40'	. I2 DISKETTE ATTACHMENT (R31)
		2137	*	EQU X'20'	. RESERVED FOR ADDR COMPARE DUMP
	0010	2138	SCAMACDV	EQU X'10'	. ERROR ON DUMP - PARTIAL DUMP TAKEN

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09	0002
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15	0080
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	0047	537	D1SWTCBI	EQU D1LDACE*1	SWAPIN TCB ADDRESS. *****
	0048	538	D1SWTCBA	EQU D1SWTCB1*1	TASK WORK AREA TCB ADDRESS (SHARED)
	0048	539	D1LDTCPB	EQU D1LDTCPA	RELICATING LOADER TCB ADDRESS (SHARED)

01	
02	0008
	0004

14	0081 3797 \$AIDCM13 EQU X'B1'	COMMAND KEY 13	14
	0082 3798 \$AIDCM14 EQU X'B2'	COMMAND KEY 14	
15	0083 3799 \$AIDCM15 EQU X'B3'	COMMAND KEY 15	15
	0084 3800 \$AIDCM16 EQU X'B4'	COMMAND KEY 16	
	0085 3801 \$AIDCM17 EQU X'B5'	COMMAND KEY 17	
16	0086 3802 \$AIDCM18 EQU X'B6'	COMMAND KEY 18	16
	0087 3803 \$AIDCM19 EQU X'B7'	COMMAND KEY 19	
	0088 3804 \$AIDCM20 EQU X'B8'	COMMAND KEY 20	
17	0089 3805 \$AIDCM21 EQU X'B9'	COMMAND KEY 21	17
	008A 3806 \$AIDCM22 EQU X'BA'	COMMAND KEY 22	
	008B 3807 \$AIDCM23 EQU X'BB'	COMMAND KEY 23	
18	008C 3808 \$AIDCM24 EQU X'BC'	COMMAND KEY 24	18
	0001 3809 \$AID10ER EQU X'01'	I/O ERROR OCCURRED	
	00FF 3810 \$AIDRLSE EQU X'FF'	PSEUDO RELEASE AID	
19	00FE 3811 \$AIDRECO EQU X'FE'	PSEUDO RECOVERY AID FOR CP	19
	00FC 3812 \$AIDGATJ EQU X'FC'	GATJI ENTER AID	
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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0008 2139	SCAMPACG EQU X'08'	. DISPLAY ADDR COMPARE DUMP MESSAGE
	0004 2140	SCAMPACDP EQU X'04'	. ADDRESS COMPARE DUMP WAS TAKEN
03	0002 2141	SCAMPACSP EQU X'02'	. TASK SUSPENDED BY ADDR COMP DUMP
	0001 2142	SCAMPACTACT EQU X'01'	. TRACE TO DISK ACTIVE
	2143 *		
04	008D 2144	SCADCS2 EQU SCADCS2+1	1 MSP -----> CSP INTERFACE BYTE
	0080 2145	SCAMPILGER EQU X'80'	. S/32 MODE LOG PRINTER ERROR
	0040 2146	SCAMPVOK EQU X'40'	. PRINTER TRANSLATE FEATURE IR4I
05	0020 2147	SCAMPFORX EQU X'20'	. FORTRAN EXECUTION SUPPORT IR4I
	0010 2148	SCAMPFAIL EQU X'10'	. LAST 2K OF NUCLEUS ASSIGNED IR8I
	0008 2149	SCAMPICR1 EQU X'08'	. MICR SUBR08 SSP SUPPORT IR4I
	2150 *	EQU X'04'	. RESERVED
06	0002 2151	SCAMPICR2 EQU X'02'	. MICR SUBR25 SSP SUPPORT IR4I
	2152 *	EQU X'01'	. RESERVED
	2153 *		
07	008E 2154	SCADCS3 EQU SCADCS3+1	1 CSP <-----> MSP INTERFACE BYTE
	0080 2155	SCAMPILCA EQU X'80'	. MLCA CONTROLLER ATTACHED IR6I
	0040 2156	SCAMPWSCB EQU X'40'	. WSC 'B' CONTROLLER ATTACHED IR6I
08	0020 2157	SCAMPFER EQU X'20'	. CONFIG RECORD TUB COUNT ERROR IR7I
	2158 *	EQU X'10'	. RESERVED
	2159 *	EQU X'08'	. RESERVED
09	2160 *	EQU X'04'	. RESERVED
	0002 2161	SCADTLOK EQU X'02'	. TERMINAL UNIT BLOCK CHAIN LOCKED
	2162 *	EQU X'01'	. RESERVED
	2163 *		
10	0090 2164	SCADSNAT EQU SCADCS3+2	2 TCB ADDRESS OF SNA TASK
	2165 *		
11	0091 2166	SCADLIN* EQU SCADSNAT+1	1 COMMUNICATIONS CONFIGURATION
	2167 *		
12	2168 *		NOTE: THIS BYTE DESCRIBES HOW THE COMMUNICATION HARDWARE IS
	2169 *		DEFINED. BITS 0-3 DESCRIBE COMMUNICATION LINES. BITS 4-7
	2170 *		DESCRIBE AUTOCALL LINES. BITS 0-7 DESCRIBE X.21 LINES.
13	2171 *		FOR EXAMPLE:
	2172 *		AUTOCALL ON LINE 3 AND COMMUNICATIONS ON LINES
	2173 *		1, 2, AND 4 WOULD BE X'D2'.
14	2174 *		X.21 ON LINE 1 AND COMMUNICATIONS ON LINE 2
	2175 *		WOULD BE X'CB'.
	2176 *		AUTOCALL AND X.21 ARE MUTUALLY EXCLUSIVE.
	2177 *		
15	0080 2178	SCAMPLIN1 EQU X'80'	. COMMUNICATIONS ON LINE 1
	0040 2179	SCAMPLIN2 EQU X'40'	. COMMUNICATIONS ON LINE 2 IR3I
16	0020 2180	SCAMPLIN3 EQU X'20'	. COMMUNICATIONS ON LINE 3 IR6I
	0010 2181	SCAMPLIN4 EQU X'10'	. COMMUNICATIONS ON LINE 4 IR6I
	2182 *		
17	0008 2183	SCAMPACU1 EQU X'08'	. AUTO CALL ON LINE 1 IR6I
	0004 2184	SCAMPACU2 EQU X'04'	. AUTO CALL ON LINE 2 IR6I
	0002 2185	SCAMPACU3 EQU X'02'	. AUTO CALL ON LINE 3 IR6I
18	0001 2186	SCAMPACU4 EQU X'01'	. AUTO CALL ON LINE 4 IR6I
	2187 *		
	0088 2188	SCAMP211 EQU X'88'	. X.21 ON LINE 1 IR8I
	0044 2189	SCAMP212 EQU X'44'	. X.21 ON LINE 2 IR8I
19	0022 2190	SCAMP213 EQU X'22'	. X.21 ON LINE 3 IR8I
	0011 2191	SCAMP214 EQU X'11'	. X.21 ON LINE 4 IR8I
	2192 *		

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0061 591	D1HPCSTK EQU D1HPCSDA+1	CURRENT STACK POINTER FOR CS SVCS FROM IL2
	0062 592	D1HPCSTK EQU D1HPCSTK+1	STACK POINTER FOR CS SVC REQUESTS FROM IL2
	593 *		
03	0063 594	D1RNQSAV EQU D1HPCSTK+1	RESOURCE ENQUEUE/DEQUEUE SAVE AREA
	595	*****	*****

#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR
02	0095	
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03	0092	
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06	009A	
	009B	
07	009C	
	009D	
08	009E	
	009F	
09	0080	
	0040	
11	0020	
12	0010	
13	000F	
14	0002	
15	0004	
16	0007	
17	0040	
18	0020	
19	0010	
20	0008	

#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR
02	0080	
	0040	
03	0020	
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14	3844 *	FOLLOWS:	(FW1)(FW2) OR,
	3846 *	(FW1)(FW2)(RSEQ)(RSEQP) OR,	
	3847 *	(FW1)(FW2)(MODUL)(MOD10) OR,	
15	3848 *	(FW1)(FW2)(MODUL)(MOD11) OR,	
	3849 *	(FW1)(FW2)(RSEQ)(RSEQP)(MODUL)(MOD10) OR,	
	3850 *	(FW1)(FW2)(RSEQ)(RSEQP)(MODUL)(MOD11)	
16	3851 *		
	3852 *	FIELD	BITS
	3853 *	FW1	0-1
	3854 *		2
17	3855 *		3
	3856 *		4
18	3857 *		5-7
	3858 *		000
	3859 *		001
19	3860 *		010
	3861 *		011
	3862 *		100
20	3863 *		101

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
0095	2193	SCADREQJ	EQU	SCADLIN#+4	4	END-OF-JOB SVC
0095	2194	SCATPLU5	EQU	SCADREQJ	2	IPL WORK AREA
0092	2195	SCADREJA	EQU	SCADREQJ-3	.	START OF END-OF-JOB SVC
0093	2197	SCADCON1	EQU	SCADREJA+1	.	CONSTANT X'01'
0097	2199	SCADTBUF	EQU	SCADREQJ+2	2	COMMUNICATIONS BUFFER SIZE
0098	2201	SCADSQS	EQU	SCADTBUF+1	1	WORK STATION QUEUE SPACE (1/4K)
0099	2203	SCADSQS	EQU	SCADSQS+1	1	SYSTEM QUEUE SPACE (1/4K)
009A	2205	SCADTRS2	EQU	SCADSQS+1	1	TRACE BUFFER SPACE (1/4K)
009B	2207	SCADSN1	EQU	SCADTRS2+1	1	SNA BATCH TASK USE COUNT (R3)
009C	2208	SCADSN7	EQU	SCADSN1+1	1	SNA REMOTE TASK USE COUNT (R3)
009D	2209	SCADSLS	EQU	SCADSN7+1	1	SOLC SECONDARY TASK USE COUNT (R3)
009E	2210	SCADSLS	EQU	SCADSLS+1	1	SOLC PRIMARY TASK USE COUNT (R3)
009F	2212	SCADCFG7	EQU	SCADSLS+1	1	HISTORY FILE CONFIGURATION (R3)
0080	2213	SCAMWRP	EQU	X'80'	.	HISTORY-AUTOMATIC WRAP INDICATOR
	2214 *				1	AUTO WRAP HISTORY FILE
	2215 *				0	NO HISTORY AUTO WRAP
0040	2216	SCAMDEL	EQU	X'40'	.	HISTORY-OVERFLOW FILE DELETE
	2217 *				1	DELETE OVERFLOW FILE
	2218 *				0	DONT DELETE OVERFLOW FILE
0020	2219	SCAMHMT	EQU	X'20'	.	HISTORY-REFORMAT OVERFLOW FILE
	2220 *				1	REFORMAT OVERFLOW FILE a IPL
	2221 *				0	DONT REFORMAT OVERFLOW FILE
0020	2222	SCAMHALC	EQU	X'20'	.	HISTORY-ALLOCATE OVERFLOW FILE
	2223 *					AFTER IPL
0010	2224	SCAMFLOC	EQU	X'10'	.	HISTORY-OVERFLOW FILE PREFERRED
	2225 *					LOCATION
	2226 *				1	SPINDLE A1
	2227 *				0	SPINDLE A2
000F	2228	SCAMV5Z	EQU	X'0F'	.	HISTORY-OVERFLOW FILE SIZE (BITS
	2229 *				4-7	(X'0F') IN MULTIPLES OF THE
	2230 *					HISTORY FILE (1-8).
	2231 *					
00A2	2232	SCADRSEC	EQU	SCADCFG7+3	3	RESERVED FOR SECURITY USE
	2233 *					
00A4	2234	SCADHFK	EQU	SCADRSEC+2	2	SECTOR OFFSET OF VTOC ENTRY: (R3)
	2235 *				.	HISTORY OVERFLOW FILE, #HISTOVF
	2236 *					
00A6	2237	SCADWRK	EQU	SCADHFK+2	2	ADDRESS COMPARE WORKAREA ADDR (R3)
	2238 *					
00A7	2239	SCADCFG8	EQU	SCADWRK+1	1	SSP CONFIGURATION (R3)
	2240 *					RESERVED
0040	2241	SCAMWSP	EQU	X'40'	.	USE WORK STATION PRINTER (R6)
	2242 *					RESERVED
	2243 *					RESERVED
	2244 *					RESERVED (R8)
	2245 *					RESERVED
	2246 *					RESERVED (R8)

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
0080	645	ADCTASK	EQU	X'80'		STOP IF TASK ACTIVE
0040	646	ADCREAL	EQU	X'40'		REAL VERIFY ADDRESS
0020	647	ADCVRFY	EQU	X'20'		VERIFY STOP

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01	02	03

13		0052 391
		0056 391
		0080 392
14		0084 392
15		0002 392
16		0080 392
		0040 392
		0040 392
17		0020 392
		0010 393
18		0008 393
		0006 393
19		0004 393
		0004 393
		0002 393
20		0001 393

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#SWAT TCB ATTACH TRANSIENT

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		2247 * EQU X'01' . RESERVED IR01
		2248 *
03	00A8 2249 SCADCF69 EQU SCADCF68+1 1 REMOTE CONFIGURATION BYTE IR31	
	00B0 2250 SCANNWSA EQU X'80' . REMOTE WORK STATIONS ACTIVE	
	2251 * FOR THIS IPL	
04	0040 2252 SCANNWV EQU X'40' . PERFORM AUTOMATIC ONLINE AT IPL	
	0020 2253 SCANNWV EQU X'20' . WARY ONLINE NOT ALLOWED	
	0010 2254 SCANNWFT EQU X'10' . WARY ON IN PROCESS BY #RWVY	
05	0008 2255 SCANNWSV EQU X'08' . BUS HNS SET 'SCANNWV' IR71	
	0004 2256 SCANNWSP EQU X'04' . REMOTE TASK IS SWAMPABLE	
	0002 2257 SCANNCFG EQU X'02' . AT LEAST ONE REMOTE CONFIGURED	
06	0001 2258 SCANNMCF EQU X'01' . AT LEAST ONE REMOTE CONFIGURED	
	2259 * FOR IPL AUTO WARY ONLINE	
	2260 *	
07	00A4 2261 SCADTKS2 EQU SCADCF69+2 2 DISK SECTORS PER TRAC IR31	
	2262 *	
	00A8 2263 SCADCF6S EQU SCADTKS2+1 1 SECURITY FEATURES	
08	00B0 2264 SCANNSEC EQU X'80' . RESOURCE SECURITY	
	0040 2265 SCANNBAG EQU X'40' . BADGE READER SECURITY	
	2266 * EQU X'20' . RESERVED	
	2267 * EQU X'10' . RESERVED	
	2268 * EQU X'08' . RESERVED	
09	2269 * EQU X'04' . RESERVED	
	2270 * EQU X'02' . RESERVED	
10	2271 * EQU X'01' . RESERVED	
	2272 *	
11	00AC 2273 SCADA0BT EQU SCADCF6S+1 . WSDM BRANCH TABLE (LOW SIDE) IR21	
	00AD 2274 SCADA0B0 EQU SCADA0BT+1 ----> #A0B0 STORAGE ADDRESS IR21	
	00AF 2275 SCADA0B1 EQU SCADA0BT+3 ----> #A0B1 STORAGE ADDRESS IR31	
12	00B1 2276 SCADA0B2 EQU SCADA0BT+5 ----> #A0B2 STORAGE ADDRESS IR31	
	00B3 2277 SCADA0DM EQU SCADA0BT+7 ----> #A0DM STORAGE ADDRESS IR41	
	00B3 2278 SCAPICDM EQU SCAP0DM ----> #ICDM STORAGE ADDRESS IR41	
13	2279 * THIS ADDRESS WILL BE THE ADDRESS	
	2280 * OF ICS DATA MANAGEMENT IF ICS	
	2281 * IS ACTIVE, OTHERWISE IT WILL BE	
14	2282 * THE ADDRESS OF THE WORK STATION	
	2283 * DATA MANAGEMENT ROUTER, #A0DM.	
	00B5 2284 SCADA0B3 EQU SCADA0BT+9 ----> #A0B3 STORAGE ADDRESS IR41	
15	2285 * EQU SCADA0BT+11 . RESERVED	
	00B7 2286 SCADA0BR EQU SCADCF6S+12 12 WSDM BRANCH TABLE (HIGH SIDE)	
	2287 *	
16	00BF 2288 SCADRSPC EQU SCADA0BR+8 8 RESERVED	
	2289 *	
	00C0 2290 SCADCP54 EQU SCADRSPC+1 1 COMMAND PROCESSOR SWITCH 4 IR81	
17	00B0 2291 SCAPHILD EQU X'80' . VERY HIGH LEVEL DEDICATION	
	2292 * EQU X'40' . RESERVED	
	2293 * EQU X'20' . RESERVED	
	2294 * EQU X'10' . RESERVED	
18	2295 * EQU X'08' . RESERVED	
	2296 * EQU X'04' . RESERVED	
	2297 * EQU X'02' . RESERVED	
19	2298 * EQU X'01' . RESERVED	
	2299 *	
20	00C2 2300 SCADXP11D EQU SCADCP54+2 2 EXT. ADDRESS MAPPING (EXAMP) IR61	

01	ERR LOC OBJECT CODE	ADDR S
02		2
		00C1 2
03		2
		0040 2
		0020 2
04		2
		2
		2
05		2
		2
		2
06		00C2 2
		2
		2
07		2
		2
08		2
		2
09		00C3 2
		00B0 2
		0040 2
10		0020 2
		0010 2
		0008 2
11		0004 2
		0002 2
12		0001 2
		23
		00C4 2
13		23
		00B0 23
		23
14		0020 23
		0010 23
		0008 23
15		0004 23
		0002 23
16		0001 23
		23
		00C6 23
17		23
		00CE 23
		23
18		0006 23
		0005 23
		0003 2
19		0001 23
		00CF 23
		23
20		23

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#SWAT TCB ATTACH TRANSIENT

01	ERR LOC OBJECT CODE	ADDR
02		

01	ERR LOC OBJECT CODE	ADDR
02	665 * ECM 0000 666 ECHBADM EQU 0 . BADM BYTE OFFSET 00510000	

01	ERR LOC OBJECT CODE	ADDR
02		

15	0002 3923 WDPHM EQU WDRTC+1	EXTERNAL OP-CODE MODIFIER
16	0080 3925 WDSYS EQU X'80'	SYSTEM REQUEST
	0040 3926 WDOVR EQU X'40'	OVERRIDE REQUEST
	0040 3927 WDFPHD EQU X'40'	FUNCTION MANAGEMENT HEADER
17	0020 3928 WDRDL EQU X'20'	ROLL REQUEST
	0020 3929 WDPHTH EQU X'20'	PASS THRU MODIFIER
	0010 3930 WDUWF EQU X'10'	UNFORMATTED REQUEST
18	0008 3931 WDPRT EQU X'08'	PRINT REQUEST
	0008 3932 WDRDSH EQU X'08'	READ SCREEN MODIFIER
	0006 3933 WDWTER EQU X'06'	WRITE ERROR OPERATION
19	0004 3934 WDSAVE EQU X'04'	SAVE REQUEST
	0004 3935 WDRDMD EQU X'04'	READ MODIFIED IMMEDIATE
	0002 3936 WDRSTR EQU X'02'	RESTORE REQUEST
20	0001 3937 WDRPRUF EQU X'01'	PUT FOR READ UNDER FORMAT

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	IR81	2301 * 00C1 2302 SCADXP11 EQU SCADXP1D-1 . EXAM IDS 1-7 IR61
03	IR31	2303 * EQU X'80' . RESERVED 0040 2304 SCAPSPRK EQU X'40' . 01 - DISK 04 (SPARK) 0020 2305 SCAPLSPF EQU X'20' . 02 - PLCA SPF
04	PL	2306 * EQU X'10' . 03 - RESERVED 2307 * EQU X'08' . 04 - RESERVED 2308 * EQU X'04' . 05 - RESERVED
05	IR71	2309 * EQU X'02' . 06 - RESERVED 2310 * EQU X'01' . 07 - RESERVED 2311 *
06	ED	00C2 2312 SCADXP12 EQU SCADXP1D . EXAM IDS 8-15 IR61
07	ED	2313 * EQU X'80' . 08 - RESERVED 2314 * EQU X'40' . 09 - RESERVED 2315 * EQU X'20' . 0A - RESERVED 2316 * EQU X'10' . 0B - RESERVED 2317 * EQU X'08' . 0C - RESERVED 2318 * EQU X'04' . 0D - RESERVED 2319 * EQU X'02' . 0E - RESERVED 2320 * EQU X'01' . 0F - RESERVED
08	IR31	2321 * 00C3 2322 SCADCP3 EQU SCADXP1D+1 1 COMMAND PROCESSOR SWITCH 3 IR41
09		0080 2323 SCASTOPS EQU X'80' . STOP SESSION ACTIVE
10		0040 2324 SCADCKF EQU X'40' . REBUILD-DELETE CHECKPOINT FILES 0020 2325 SCAMRILP EQU X'20' . INITIALIZE LINE PRINTER IR51 0010 2326 SCAMIOCL EQU X'10' . PLCA IOCH LOADED IR61
11	IR21	0008 2327 SCAMLATF EQU X'08' . PLCA ERROR ATTACH FAILURE IR61
12	021	0004 2328 SCAMFUND EQU X'04' . DISKETTE PMS EXTENDED LABELS IR71
13	031	0002 2329 SCAMK215 EQU X'02' . X.21 SWITCHED IR81
14	041	0001 2330 SCAM000 EQU X'01' . DISKETTE PMS NON-SEQ. RECORDS IR81
15	041	2331 * 00C4 2332 SCADCF6 EQU SCADCP3+1 1 CONFIGURATION BYTE 6 IR41
16	ADDRESS	2333 * NOTE: THIS BYTE CONTAINS THE SAME BIT MASKS AS SYSTEM CONFIGURATION
17	F ICS	2334 * BYTE 'CONDCFG6'.
18	WILL BE	0080 2335 SCACKRST EQU X'80' . CHECKPOINT/RESTART CONFIGURED
19	STATION	2336 * EQU X'40' . RESERVED
20	ADDM.	0020 2337 SCAMSHFC EQU X'20' . SHF FEATURE CONFIGURED
	41	0010 2338 SCAM0FA EQU X'10' . DUMP FILE ANALYSIS IR51
		0008 2339 SCAMTEXC EQU X'08' . I EXCHANGE IR61
		0004 2340 SCAMSUBS EQU X'04' . SUBCONSOLE SUPPORT IR51
		0002 2341 SCAMUSGF EQU X'02' . SPOOL FILE ACCESS IR51
		0001 2342 SCAMEDDM EQU X'01' . EXTENDED DISK DATA MAN. IR61
	IR81	2343 * 00C6 2344 SCADICSA EQU SCADCF6+2 2 ICS COMMUNICATION AREA ADDR IR41
		2345 *
		00CE 2346 SCADRFR EQU SCADICSA+8 8 RESERVED
		2347 *
		0006 2348 SCADUCFG EQU SCADRFR+8 8 UDT COMM CONFIGURATION IR31
		0005 2349 SCADUDT1 EQU SCADUCFG-1 . LINE 1 CONFIGURATION (BYTE 0) IR31
		0003 2350 SCADUDT2 EQU SCADUCFG-3 . LINE 2 CONFIGURATION (BYTE 0) IR31
		0001 2351 SCADUDT3 EQU SCADUCFG-5 . LINE 3 CONFIGURATION (BYTE 0) IR61
		00CF 2352 SCADUDT4 EQU SCADUCFG-7 . LINE 4 CONFIGURATION (BYTE 0) IR61
		2353 * NOTE -----> SEE COMPRESSED UNIT DEFINITION TABLE (UDT)
	IR61	2354 * DESCRIPTION FOR DEFINITION OF BITS

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01	00510000	ERR LOC OBJECT CODE
02		692 * ERR 00530000
03		0001 693 ERBDCHN EQU 1 CHAIN FIELD
04		694 * 0002 695 ERBDOVI EQU ERBDCHN+1 DEVICE ID 0000 696 ERBDISK EQU X'D0' DISKETTE; DEVICE ID 12/6/79 RJB 00C3 697 ERBGATJ EQU X'C3' GATJ1 TASK ID 00A0 698 ERBDISK EQU X'A0' DISK; DEVICE ID 12/6/79 RJB

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	00510000	692 * ERR 00530000
03		0001 693 ERBDCHN EQU 1 CHAIN FIELD
04		694 * 0002 695 ERBDOVI EQU ERBDCHN+1 DEVICE ID 0000 696 ERBDISK EQU X'D0' DISKETTE; DEVICE ID 12/6/79 RJB 00C3 697 ERBGATJ EQU X'C3' GATJ1 TASK ID 00A0 698 ERBDISK EQU X'A0' DISK; DEVICE ID 12/6/79 RJB

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	00510000	692 * ERR 00530000
03		0001 693 ERBDCHN EQU 1 CHAIN FIELD
04		694 * 0002 695 ERBDOVI EQU ERBDCHN+1 DEVICE ID 0000 696 ERBDISK EQU X'D0' DISKETTE; DEVICE ID 12/6/79 RJB 00C3 697 ERBGATJ EQU X'C3' GATJ1 TASK ID 00A0 698 ERBDISK EQU X'A0' DISK; DEVICE ID 12/6/79 RJB

14	0042 3972 WDEPEC EQU X'42'	PUT END OF CHAIN	14
	0022 3973 WDEPEF EQU X'22'	PUT END OF FILE	
15	0012 3974 WDFPMH EQU X'12'	PUT FUNCTION MGMT HEADER	15
	0017 3975 WDFPMI EQU X'17'	PFM INVITE	
	0013 3976 WDFPMG EQU X'13'	PFM GET	
16	001A 3977 WDFPEX EQU X'1A'	PUT END OF TRANSACTION	16
	0045 3978 WDRCDI EQU X'45'	REQ. CHANGE DIR. INVITE	
	0041 3979 WDRCDG EQU X'41'	REQ. CHANGE DIR. GET	
17	0032 3980 WDFAIL EQU X'32'	PUT FAIL RESPONSE	17
	0020 3981 WDRGRP EQU X'20'	NEGATIVE RESPONSE	
	0025 3982 WDRGRP1 EQU X'25'	NEGATIVE RESPONSE INVITE	
18	0021 3983 WDRGRPG EQU X'21'	NEGATIVE RESPONSE GE1	18
	0010 3984 WDCANL EQU X'10'	CANCEL	
	0015 3985 WDCANL1 EQU X'15'	CANCEL INVITE	
19	0011 3986 WDCANLG EQU X'11'	CANCEL GET	19
	00E0 3987 WONEOS EQU X'E0'	NORMAL END OF STEP	
	00E8 3988 WONEOJ EQU X'E8'	NORMAL END OF JOB	
20	00F0 3989 WDAEOS EQU X'F0'	ABNORMAL END OF STEP	20

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	IR61	2355 * WITHIN THE INDIVIDUAL CONFIGURATION
		2356 * BYTES. EACH ENTRY IS TWO BYTES LONG.
03		2357 * BYTE 0: SEE LABEL 'UDTDCM1'
		2358 * BYTE 1: SEE LABEL 'UDTDCM3' FOR BITS 0-3.
		2359 * BITS 4-7 (X'OF') MAP THE DEVICE
04		2360 * ADDRESS (PRIORITY) OF THE UDT LINE
		2361 * ENTRY. FOR EXAMPLE X'80' MAPS TO
		2362 * X'08'. SEE EQUATES BELOW.
05	IR61	0008 2363 SCAMPR80 EQU X'08' UDT DEVICE ADDRESS X'80' IR31
		0004 2364 SCAMPR40 EQU X'04' UDT DEVICE ADDRESS X'40' IR61
		0002 2365 SCAMPR20 EQU X'02' UDT DEVICE ADDRESS X'20' IR31
06		0001 2366 SCAMPR10 EQU X'01' UDT DEVICE ADDRESS X'10' IR61
		2367 * .
07		0008 2368 SCADKKG EQU SCADUCFG+2 2 KATAKANA/KANJI COMM AREA IR61
		2369 * .
08		0009 2370 SCADSSPF EQU SCADKKG+1 1 SSP FEATURE INDICATORS IR61
		0080 2371 SCAMKCF EQU X'80' . KATAKANA/KANJI FEATURE IR61
09	IR41	2372 * EQU X'40' . RESERVED
		2373 * EQU X'20' . RESERVED
		2374 * EQU X'10' . RESERVED
10	IR51	2375 * EQU X'08' . RESERVED
IR61		2376 * EQU X'04' . RESERVED
IR71		2377 * EQU X'02' . RESERVED
IR81		0001 2378 SCAMK21 EQU X'01' . X.21 FEATURE IR81
		2379 * .
11		00FF 2380 SCADCPYR EQU 255 38 COPYRIGHT
		2381 * .
12		00E0 2382 SCADMATR EQU SCADCPYR-31 32 TERMINATION DUMP ATR STACK.
		2383 * USED BY ABNORMAL TERMINATION
		2384 * WHEN DUMPING MORE THAN 64K OF
		2385 * MAIN STORAGE. COPYRIGHT WILL BE
		2386 * RESTORED WHEN DUMP IS COMPLETE.
13		2387 * .
		2388 *** END OF EXPANSION **

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		746 * MLCA ERROR RECOVERY
03		0001 747 ERBCELOG EQU X'01' IF ON LOG TO CE TRACE AREA
		748 * IF OFF LOG TO USER TRACE AREA
		749 * .
		0006 750 ERBDCPA EQU ERBDFLG+1 C P AID (COLD EQUATE VALUE)

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	00530000	746 * MLCA ERROR RECOVERY
03	RJB	0001 747 ERBCELOG EQU X'01' IF ON LOG TO CE TRACE AREA
		748 * IF OFF LOG TO USER TRACE AREA
		749 * .
		0006 750 ERBDCPA EQU ERBDFLG+1 C P AID (COLD EQUATE VALUE)

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		746 * MLCA ERROR RECOVERY
03		0001 747 ERBCELOG EQU X'01' IF ON LOG TO CE TRACE AREA
		748 * IF OFF LOG TO USER TRACE AREA
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		746 * MLCA ERROR RECOVERY
03		0001 747 ERBCELOG EQU X'01' IF ON LOG TO CE TRACE AREA
		748 * IF OFF LOG TO USER TRACE AREA
		749 * .
		0006 750 ERBDCPA EQU ERBDFLG+1 C P AID (COLD EQUATE VALUE)

14	000F 4019 WDLNE EQU WDRUPD+1	NUMBER OF LINES TO ROLL
	0010 4020 WDSLNE EQU WDLNE+1	START LINE NUMBER FOR ROLL
	0011 4021 WDELNE EQU WDSLNE+1	END LINE NUMBER FOR ROLL
15	0012 4022 WDVSLN EQU WDELNE+1	VARIABLE START LINE NUMBER
	0014 4023 WDIRDA EQU WDVSLN+2	ADDRESS OF OVERRIDE INDICATORS
16	0016 4024 WDFMTN EQU WDIRDA+2	FORMAT INDEX ENTRY ADDRESS
	0017 4025 WDLN EQU WDFMTN+1	PARAMETER LIST LENGTH
	4026 *** END OF EXPANSION **	

C22

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		2390 * SVEQU 00750000
		2391 *
03		2392 * SVC R-BYTE EQUATES
		2393 *
04		0000 2394 SVCWAIT EQU X'00' GENERAL WAIT
		0001 2395 SVCPOST EQU X'01' GENERAL POST
05		0002 2396 SVCWAIT EQU X'02' WAIT
		0003 2397 SVCPOST EQU X'03' POST
06		0004 2398 SVCXFER EQU X'04' TRANSFER CONTROL/SYSTEM TRANSIENT
		0005 2399 SVCUNSTK EQU X'05' STACK MANIPULATION
07		0006 2400 SVCASSGN EQU X'06' ASSIGN
		0007 2401 SVCFREE EQU X'07' FREE
08		0008 2402 SVCISEC EQU X'08' INCREMENT SYSTEM EVENT COUNTERS
		0009 2403 SVCSNSW EQU X'09' SENSE CONSOLE DATA SWITCHES
09		000A 2404 SVCASGN EQU X'0A' ASSIGN SYSTEM QUEUE SPACE SVC
		000B 2405 SVCPSPVC EQU X'0B' PSEUDO DELAYED SVC POST ACM FUNCTION
10		000C 2406 SVCLDATR EQU X'0C' LOAD ATRS
		000D 2407 SVCPMR EQU X'0D' ALTER PROGRAM MODE REGISTER (PMR)
11		000E 2408 SVCQUEUE EQU X'0E' QUEUE / DEQUEUE SYSTEM CONTROL BLOCKS
		000F 2409 SVCSQB EQU X'0F' SYSTEM CONTROL BLOCK ACCESS
12		0010 2410 SVXCIENT EQU X'10' TRANSIENT/TRANSFER-USER SPECIFIED
		0011 2411 SVCEXIT EQU X'11' TRANSIENT/TRANSFER EXIT SVC
13		0012 2412 SVCGETP EQU X'12' GETPAGE
		0013 2413 SVCFREEP EQU X'13' FREEPAGE
14		0014 2414 SVCTIN EQU X'14' * INTERVAL TIMER ENQUEUE
		0015 2415 SVCTID EQU X'15' * INTERVAL TIMER DEQUEUE
15		0016 2416 SVCTIR EQU X'16' * INTERVAL TIMER REMAINDER
		0017 2417 SVCTRWI EQU X'17' ASYNCHRONOUS TASK WAIT
16		0018 2418 SVXNTOF EQU X'18' SET TRANSIENT AREA NOT BUSY
		0019 2419 SVCPOSTA EQU X'19' POST ACE SVC
17		001A 2420 SVCLG EQU X'1A' LOG TRACE INFORMATION
		001B 2421 SVCSQSCAN EQU X'1B' SCAN SYSTEM QUEUE ROUTINE
18		2422 * EQU X'1C' RESERVED
		001D 2423 SVCTPOST EQU X'1D' TASK POST
19		001E 2424 SVCTWAIT EQU X'1E' TASK WAIT
		001F 2425 SVCTIH EQU X'1F' * TIMER INTERRUPT HANDLER
20		0020 2426 SVCSQS EQU X'20' ALTER QUIESCE COUNTER
		0021 2427 SVCRENQ EQU X'21' RESOURCE ENQUEUE
		0022 2428 SVCRDEQ EQU X'22' RESOURCE DEQUEUE
		0023 2429 SVCDUMP EQU X'23' DUMP MAIN STORAGE/TERMINATE TASK
		0024 2430 SVCTEST EQU X'24' TEST AND SET
		0025 2431 SVCPRIQ EQU X'25' TCB PRIORITY QUEUE
		0026 2432 SVCRDYCK EQU X'26' ASYNCHRONOUS TASK READY CHECK.
		0027 2433 SVCPREP EQU X'27' PREPARE PRINTER OUTPUT
		0028 2434 SVCDSPCH EQU X'28' DISPATCHER SVC
		0029 2435 SVCRPT EQU X'29' REMOTE PRINTER SET UP.
		002A 2436 SVCSQ EQU X'2A' SECTOR ENQUEUE/DEQUEUE
		002B 2437 SVCMOVEI EQU X'2B' MOVE DATA BY ID
		002C 2438 SVCPSTI EQU X'2C' POST TASK BY ID
		002D 2439 SVCMWAIT EQU X'2D' QUIESCE COUNTER WAIT
		002E 2440 SVCAF EQU X'2E' TRANSFERRED ASSIGN/FREE
		002F 2441 SVCTOD EQU X'2F' RETURN TIME-OF-DAY IN TIMER UNITS
		2442 *
		2443 * *-INDICATES NOT USEABLE FROM MAIN STORE

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		774 * #EQU 00536000
		775 *
03		0001 776 XR1 EQU 1 REGISTER ONE
		0002 777 XR2 EQU 2 REGISTER TWO

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		774 * #EQU 00536000
		775 *
03		0001 776 XR1 EQU 1 REGISTER ONE
		0002 777 XR2 EQU 2 REGISTER TWO

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		774 * #EQU 00536000
		775 *
03		0001 776 XR1 EQU 1 REGISTER ONE
		0002 777 XR2 EQU 2 REGISTER TWO

13	0008 4060 RSGET EQU X'08'	SOURCE GET	13	003E
	0009 4061 RSMG EQU X'09'	MESSAGE RETRIEVE		003F
	000A 4062 RLBRV EQU X'0A'	LIBRARY OPEN/CLOSE		0040
14	000B 4063 RVTOCFD EQU X'0B'	VTOC READ/WRITE FD	14	0041
	000C 4064 RALLOC EQU X'0C'	ALLOCATE		0042
	000D 4065 RDALOC EQU X'0D'	DEALLOCATE		0043
15	000E 4066 RSALOC EQU X'0E'	SPECIAL ALLOCATE	15	0043
	000F 4067 RINFO EQU X'0F'	RETRIEVE SYSTEM INFORMATION		
	0010 4068 RVTRD EQU X'10'	VTOC READ/WRITE RD		0110
16	0011 4069 RSNAP EQU X'11'	SNAP DUMP	16	0088
	0012 4070 RPHLT EQU X'12'	RPG HALT		
	0013 4071 RDMCALL EQU X'13'	DATA MANAGEMENT CONTROLLER		
17	0014 4072 RPRALGN EQU X'14'	PRINTER ALIGNMENT	17	
	0015 4073 RCPRT EQU X'15'	COMMAND PROCESSOR ROUTER		
	0016 4074 RLOPEN EQU X'16'	LIMITS OPEN		
18	0017 4075 RWSOM EQU X'17'	USER WSOM REQUEST	18	
	0018 4076 RSWSOM EQU X'18'	SYSTEM WSOM REQUEST		
	0019 4077 RFINDLIB EQU X'19'	USER LIBRARY FIND REQUEST		
19	001A 4078 RAFA EQU X'1A'	AFA ACCESS TRANSIENT	19	
	001B 4079 RSPDOL EQU X'1B'	SPOOL INTERCEPT REQUEST		
20	001C 4080 RSPALC EQU X'1C'	SPOOL ALLOCATE REQUEST	20	

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00750000	

#SVAT TCB ATTACH TRANSIENT		PAGE 56	V09/11/81 12/08/81 21:28
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		2445 *	DELAYED SVC R-BYTE EQUATES
		0040 2446 SVCFD EQU X'40'	DISK IOS
		0041 2447 SVCIO EQU X'41'	DISKETTE IOCS
03		0042 2448 SVCPT EQU X'42'	WORKSTATION IOCH (PRINTER)
		0043 2449 SVCMSC EQU X'43'	WORKSTATION IOCH (TERMINAL)
		0044 2450 SVCCOMM EQU X'44'	COMMUNICATIONS IOCH
04		0045 2451 SVCTOXT EQU X'45'	I/O TRANSIENT REQUEST
		004C 2452 SVCQSVQ EQU X'4C'	PSEUDO I/O REQUEST
		2453 *	X'46' -> X'4F' RESERVED FOR I/O SVC'S
05		0050 2454 SVCCONT EQU X'50'	CONTROL STORE TRANSIENT SCHEDULER
		0051 2455 SVCTWA EQU X'51'	TASK WORK AREA ACCESS
		0052 2456 SVCLDND EQU X'52'	MAIN STORAGE RELOCATING LOADER
06		2457 *	X'53' -> X'5C' RESERVED FOR DELAYED SVC'S
		005C 2458 SVCKBTR EQU X'5C'	KEYBOARD TRACE
		2459 *	
07		2460 *	SVC Q CODE EQUATES
		2461 *	
08		0001 2462 Q1 EQU X'01'	SVC SIGNIFICANT INDICATOR
		0001 2463 QWAIT EQU X'01'	WAIT ON THIS SVC INDICATOR
		0001 2464 QREFRESH EQU X'01'	REFRESH TRANSIENT/TRANSFER INDICATOR
09		0002 2465 QNREF EQU X'02'	NON-REFRESHABLE SVC INDICATOR
		0004 2466 QKLOFF EQU X'04'	TRANSLATE OFF-IOB/PARM LIST-INDICATOR
		0004 2467 QSYSREQ EQU X'04'	SPECIAL SYSTEM REQUEST FOR ASSIGN REC
		0004 2468 QFRNEXM EQU X'04'	FOR MOVEI - FROM ID IN EXAM 6
10		0008 2469 QTOEXM EQU X'08'	FOR MOVEI - TO ID IN EXAM 6
		0008 2470 QMWAIT EQU X'08'	MULTIPLE WAIT I/O REQUEST
		0008 2471 QCPLWAIT EQU X'08'	ASYNCH ERROR WAIT REQUEST
11		0010 2472 QSCT EQU X'10'	SUBSYSTEM CONFIG TABLE 20145
		0010 2473 QNQ EQU X'10'	NON-QUIESCABLE REQUEST INDICATOR
		0020 2474 QXR2 EQU X'20'	RETURN XR2 FROM POSTER ON WAIT
12		0040 2475 QXJ EQU X'40'	USE USERS TCB ON EXAM I/O REQUEST 6
		0000 2476 QD EQU X'00'	IMMEDIATE SVC EQUATE
		0080 2477 CSCALL EQU X'80'	CS SVC INDICATOR
13		0019 2478 QNDNV EQU QNQ+QMWAIT+QWAIT	NON-VOLUNTARY SWAPPABLE WAIT
		0018 2479 QNCHPRI EQU QNQ+QMWAIT	NOT CHANGE PRIORITY ON WAIT 8
		0009 2480 QSPEC EQU QMWAIT+QWAIT	SPECIFIC WAIT ON NON-ECM
14		2481 *	
		00F4 2482 SVCOP EQU X'F4'	SVC OP CODE VALUE
15		00F5 2483 SVCXFR EQU X'F5'	SVC TRANSFER OP CODE
		2484 ***	END OF EXPANSION **

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19	V09/11/81 12/08/81 21:28
00536000	

#SVAT TCB ATTACH TRANSIENT		PAGE 20	V09/11/81 12/08/81 21:28
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		826 *	F1EQU 00550000

#SVAT TCB ATTACH TRANSIENT	
01	ERR LOC OBJECT CODE
02	

#SVAT TCB ATTACH TRANSIENT	
01	ERR LOC OBJECT CODE
02	

13	003C 4112 RSMFC EQU X'3C'	SMB COMM. DATA COLLECTION	6
	003E 4114 RMDDU EQU X'3E'	PEER MULTIPOINT	
	003F 4115 RMDDT EQU X'3F'	WSDM XIENT	
14	0040 4116 RWJGE EQU X'40'		
	0041 4117 RRDMM EQU X'41'	ROOM TTC XIENT CALL	
	0042 4118 RMDHH EQU X'42'	WSDM XIENT	
15	0043 4119 RSPQMG EQU X'43'	SPOOL QUEUE :IGMT XIENT	
	0043 4120 RXTEND EQU RSPQMG	LAST VALID ENTRY	
16	0110 4122 XFLENBYT EQU RXTEND*4+4	LENGTH OF XFER TABLE (BYTES)	
	0088 4123 XFLENWRD EQU RXTEND*2+2	LENGTH OF XFER TABLE (WORDS)	
	4124 *** END OF EXPANSION **		

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PAGE 56 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 57 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	2486 * TCB 00770000		
	2487 *****		
03	2488 * T C B *		
	2489 *****		
	2490 *00 * * * * * * * * * * *		
04	2491 * STAT1 * STAT2 * WPMASK * WPMK2 * STAT3 * PRIOR * TTIME * QCNT *		
	2492 *****		
	2493 *08 * * * * * * * * * * *		
05	2494 * CNPLQ * PUSH * CHAIN * RDYQ *		
	2495 *****		
	2496 *10 * * * * * * * * * * *		
06	2497 * XNTQ * RTUB * JCBA * CRB *		
	2498 *****		
	2499 *18 * * * * * * * * * * *		
07	2500 * aXR1 * aXR2 * aARR * aIAR *		
	2501 *****		
	2502 *20 * * * * * * * * * * *		
08	2503 * PPR * PSR * R * Q * aINL1 * aINL2 * aINL3 * aINL4 *		
	2504 *****		
	2505 *28 * * * * * * * * * * *		
09	2506 * TSSN * BEGL * PSSIZ * RGSIZ * SPOOL *		
	2507 *****		
	2508 *30 * * * * * * * * * * *		
10	2509 * * * * * * * * * * *		
	2510 *****		
	2511 *38 * * * * * * * * * * *		
11	2512 * ATRS *		
	2513 *****		
	2514 *40 * * * * * * * * * * *		
12	2515 * * * * * * * * * * *		
	2516 *****		
	2517 *48 * * * * * * * * * * *		
13	2518 * * * * * * * * * * *		
	2519 *****		
	2520 *50 * * * * * * * * * * *		
14	2521 * TTC * TWA * USWA * LDREL *		
	2522 *****		
	2523 *58 * * * * * * * * * * *		
15	2524 * LDOSK * INVCT * ASGQ * EXIT *		
	2525 *****		
	2526 *60 * * * * * * * * * * *		
16	2527 * TOE *		
	2528 *****		
	2529 *68 * * * * * * * * * * *		
17	2530 * SQBCT * LCKMK * SSTID * TSKID * PRIQ * STAT4 * STAT5 *		
	2531 *****		
	2532 *70CATM * * * * * * * * * * *		
18	2533 * AWSCCT * CAT * MTRMK * NSCNT * CNCNT * IQCNT * ARQCT * STAT6 *		
	2534 *****		
	2535 *78 * * * * * * * * * * *		
19	2536 * BAT * SUSPS * SMFPT * TWAST * X * * * * *		
	2537 *****		

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PAGE 20 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 21 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	0002 .890 F1AMPA2 EQU X'02'		
		SPINDLE A2 REQUESTED ORIGINALLY	

15	0005 4163 SNASIZ EQU 5	SNA REGION SIZE	01255000	0828 B8 01 1E
	00FF 4164 DETACH EQU X'FF'	DETACH REQUEST	01260000	0828 F2 90 06
	0000 4165 ALLOHIGH EQU 0		01270000	
	0001 4166 ALLOSIZE EQU ALLOHIGH+1		01280000	
16	0002 4167 ALLONEXT EQU ALLOSIZE+1		01290000	082E F4 00 07
	0031 4168 ATSVACE@ EQU TCBATRS-30	SAVED ACE ADDRESS	01291000	0831 001D
	0033 4169 ATSVRBA@ EQU ATSVACE@+2	SAVED RB ADDRESS	01292000	0833 81
17	0035 4170 ATSVSCA@ EQU ATSVRBA@+2	SAVED SCAN BUFFER ADDRESS	01293000	
	0038 4171 ATSVSSA@ EQU ATSVSCA@+3	SAVED SWAP AREA ADDRESS	01294000	
	003A 4172 ATSVSSA@ EQU ATSVSSA@+2	SAVED WSWA ADDRESS	01295000	
18	003C 4173 ATSVARR@ EQU ATSVSSA@+2	SAVED ARR	01296000	
	003D 4174 ATSVSIZE EQU ATSVARR@+1	SAVED ALLOC. SIZE	01297000	
19				
20				

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PAGE 57 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 58 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TR
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	00770000 2539 *XXXXXXXXXXXX THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXX	02	
	0000 2540 TCBSTAT1 EQU 0 TCB STATUS BYTE 1		
03	0080 2542 TCBWAIT EQU X'80' . TASK IS NOT ON READY QUEUE	03	
	0040 2543 TCBSWAPD EQU X'40' . TASK IS SWAPPED TO DISK.		
04	0020 2544 TCBFORCD EQU X'20' . TASK FORCED TO SWAP(^ DISPATCHABLE)	04	
	0010 2545 TCBLONGW EQU X'10' . TASK IS QUIESCED - TCBQCNT = 0		
05	0008 2546 TCBSDP EQU X'08' . TASK HAS SWAP OUT I/O IN PROGRESS	05	
	0004 2547 TCBJUSTIN EQU X'04' . SET ON WHEN TASK SWAPPED IN.		
06	0004 2548 TCBFSWAP EQU X'04' . SET ON WHEN TASK FULLY SWAPPED OUT.	06	
	0002 2549 TCBNDIO EQU X'02' . NO I/O REQ. FOR SWAP INDICATOR		
07	0001 2550 TCBNSWAP EQU X'01' . TASK IS NEVER SWAPPABLE	07	
08	0001 2552 TCBSTAT2 EQU TCBSTAT1+1 TCB STATUS BYTE 2	08	
09	0080 2554 TCBWAITD EQU X'80' . TASK WAITING FOR EVENT COMPLETION	09	
	0040 2555 TCBWAIT EQU X'40' . TASK WAITING FOR TRANSIENT AREA		
10	0020 2556 TCBWAIT EQU X'20' . TASK WAITING FOR GENERAL POST	10	
	0010 2557 TCBWAIT EQU X'10' . TASK WAITING FOR DEDICATED TTC		
11	0008 2558 TCBWAIT EQU X'08' . TASK WAITING FOR INTERNAL DYLD SVC	11	
12	0004 2559 TCBWAIT EQU X'04' . TASK WAITING FOR TIMER ELAPSE	12	
	0002 2560 TCBUSP EQU X'02' . TASK IS SUSPENDED		
13	2561 * (SEE TCBUSPS FOR REASON)	13	
	2562 * EQU X'01' . RESERVED		
14	008E 2563 TCBNRDY EQU TCBWAITD+TCBWAIT+TCBWAIT+TCBWAIT+TCBUSP+TCBWAIT	14	
15	0002 2565 TCBMASK EQU TCBSTAT2+1 FIRST WAIT MASK	15	
16	0080 2567 TCBWAIT EQU X'80' . SQS ASSIGN FAILURE	16	
	0040 2568 TCBWAIT EQU X'40' . TWA ALLOCATE FAILURE		
17	0020 2569 TCBTAS EQU X'20' . TEST AND SET FAILURE	17	
	0010 2570 TCBWAIT EQU X'10' . WSQS ASSIGN FAILURE		
18	0008 2571 TCBWAIT EQU X'08' . RESOURCE ENQUEUE POST CODE	18	
	2572 * NOTE: THE ABOVE BIT IS NOT ON WHEN TASK IS IN GENERAL WAIT. HENCE		
	2573 * ANY GENERAL WAIT WITH BOTH MASK BYTES ALL ZERO IS		
19	2574 * A RESOURCE ENQUEUE FAILURE.	19	
	0004 2575 TCBWAIT EQU X'04' . DISK RESOURCE FAILURE		
20	0002 2576 TCBWAIT EQU X'02' . DISK SECTOR ENQUEUE FAILURE	20	
	0001 2577 TCBWAIT EQU X'01' . WORKSTATION RELEASE WAIT		
	0003 2579 TCBMASK2 EQU TCBMASK+1 SECOND WAIT MASK		
	0080 2581 TCBPTRWT EQU X'80' . PRINTER ALLOCATE FAILURE		
	0040 2582 TCBLINEIT EQU X'40' . COMM. LINE ALLOCATE FAILURE		
	0020 2583 TCBDKTWT EQU X'20' . DISKETTE ALLOCATE FAILURE		
	0010 2584 TCBDSKWT EQU X'10' . DISK SPACE ALLOCATION FAILURE		
	0008 2585 TCBDEWIT EQU X'08' . OTHER DEVICES ALLOCATION FAILURE		
	0004 2586 TCBICXWT EQU X'04' . ICS TRANSIENT WAITOR		
	0002 2587 TCBASRWIT EQU X'02' . ASSIGN RECOVERY FORCED WAITER		
	2588 * EQU X'01' . RESERVED		
	0004 2590 TCBSTAT3 EQU TCBMASK2+1 TCB STATUS BYTE 3		
	0080 2592 TCBTERM EQU X'80' . TASK IS IN TERMINATION		

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PAGE 21 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 22 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02		02	
03	001E 935 FIALIVTA EQU FIADVTC+1 LENGTH OF THE FIRST VTDC AREA	03	
04	937 *****	04	
	938 *		

01240000 01250000 01255000	14	0828 B8 01 1E	4210 * 4211 *	PARAMETER LIST		01480000 01490000 01500000	0879 7C 01 75 087C B8 40 27 087F F2 90 08
01260000 01270000 01280000	15	082B F2 90 06	4212 4213	TBN RB\$LEN-\$ATFLAG(.RB2), \$ATFRPM FREE ATTACH PARM LIST JF AT000005 NO, BYPASS FREE		01510000 01520000	0882 AC 01 10 19 0886 AC 01 17 1D
01290000 01291000 01292000	16	082E F4 00 07 0831 001D 0833 81	4215 0832 4216 0833 4217	SVL SVCFREE, QD ISSUE FREE REQUEST DC AL2(\$ATLENG+4) LENGTH + 4 OF AREA TO FREE DC AL1(X'80'+1) FREE FUNCTION BYTE			
ADDRESS ADDRESS ADDRESS 01296000 01297000	17		4218 ***	END OF EXPANSION **			088A F2 87 0C
	18						088D 68 01 2C 16 0891 68 02 2B 16 0895 5E 01 2C 2C 0899 7C 00 2C 089C BB 07 1D
	19						
	20						

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PAGE 58 V09/11/81 12/08/81 21:28	#SWAT TCB ATTACH TRANSIENT	PAGE 59 V09/11/81 12/08/81 21:28	#SWAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	0040 2593 TCBCHKPT EQU X'40' . THIS TASK IS BEING CHECKPOINTED	02	
	0020 2594 TCBEXTRA EQU X'20' . EXTENDED TRACE ACTIVE		
03	0010 2595 TCBCCALL EQU X'10' . CLOSE HAS BEEN CALLED INDICATOR	03	
	0008 2596 TCBKCALL EQU X'08' . KEYSORT HAS BEEN CALLED INDICATOR		
	0004 2597 TCB\$USPD EQU X'04' . SUSPEND FROM SYS OPERATOR PENDING		
04	0002 2598 TCB\$MPEQ EQU X'02' . DATA MODE ESCAPE PENDING	04	
	0001 2599 TCB\$INQPD EQU X'01' . INQUIRY PENDING		
05	0005 2601 TCBPRIOR EQU TCBSTAT+1 QUEUING PRIORITY	05	
	00FF 2603 TCBPRINV EQU X'FF' INVALID PRIORITY(CAN NOT BE USED)		
06	00FC 2604 TCBPRCP EQU X'FC' COMMAND PROCESSOR PRIORITY	06	
	00F0 2605 TCBPRSP EQU X'F0' SPOOL PRIORITY		
	00F0 2606 TCBPRMR EQU X'F0' MRJE PRIORITY		
07	00F4 2607 TCBPRBSC EQU X'F4' BCS PRIORITY	07	
	00F3 2608 TCBPREM EQU X'F3' 3270 EMULATION PRIORITY		
	00F0 2609 TCBPREXT EQU X'F0' EXTENDED TRACE PRIORITY		
08	00F4 2610 TCBPRITH EQU X'F4' BCS PRIORITY FOR 3270 I/H	08	
	00F8 2611 TCBPRSPD EQU X'F8' SDLC PRIORITY (PRIMARY)		
	00F9 2612 TCBPRSDS EQU X'F9' SDLC PRIORITY (SECONDARY)		
09	00F0 2613 TCBPRSN1 EQU X'F0' SNA 1 PRIORITY	09	
	00F0 2614 TCBPRSNR EQU X'F0' SNA 2 PRIORITY		
	00F0 2615 TCBPRBLD EQU X'F0' REBUILD PRIORITY		
10	00F0 2616 TCBPRSRJ EQU X'F0' SRJE PRIORITY	10	
	00F0 2617 TCBPRSNF EQU X'F0' SNAF SUBSYSTEM PRIORITY		
	00F0 2618 TCBPRPER EQU X'F0' SNA PEER SUBSYSTEM PRIORITY		
11	00F0 2619 TCBPRCCP EQU X'F0' CCP SUBSYSTEM PRIORITY	11	
	00F0 2620 TCBPRCIC EQU X'F0' CICS SUBSYSTEM PRIORITY		
	00F0 2621 TCBPRIMS EQU X'F0' IMS SUBSYSTEM PRIORITY		
12	00F0 2622 TCBPRBEL EQU X'F0' BSCCL SUBSYSTEM PRIORITY	12	
	00F0 2623 TCBPRINT EQU X'F0' INTRA SUBSYSTEM PRIORITY		
	00F0 2624 TCBPRBTS EQU X'F0' BSC 3270 PRIORITY		
13	00F0 2625 TCBPRGCE EQU X'F0' MLCB CONTROLLER CHECK ERROR ROUTINE	13	
	00FB 2626 TCBPRSMF EQU X'FB' SMF PRIORITY		
	00F1 2627 TCBPRODF EQU X'F1' SOURCE DIFF PRIORITY *KEEP UNIQUE*		
14	0000 2628 TCBPRSWT EQU X'00' SMF WAIT TASK PRIORITY	14	
	00E0 2629 TCBPRUDH EQU X'E0' USER DEFINED HIGH PRIORITY		
	00D1 2630 TCBPRUDL EQU X'D1' MEDIUM PRIORITY		
15	2631 * USE TCBPRUDM FOR THE SVCPRIO (CHAP) SVC. IN THE TCB, THE VALUE IN	15	
	2632 * TCBPRIOR WILL BE TCBPRCNV AND BIT TCBUDMPR WILL BE SET IN TCBBAT.		
	0000 2633 TCBPRCNV EQU X'D0' CONVERSATIONAL PRIORITY		
16	00C0 2634 TCBPRBCH EQU X'CO' BATCH PRIORITY	16	
	2635 * NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRCNV DYNAMICALLY.		
	2636 * CHANGED TO/FROM TCBPRBCH BE THE SYSTEM SUPERVISOR.		
17	00B0 2637 TCBPRUDL EQU X'BO' LOW PRIORITY	17	
18	0006 2639 TCBTTIME EQU TCBPRIOR+1 TASK RESIDUAL TIME INTERVAL.	18	
	0007 2641 TCBQCNT EQU TCBTTIME+1 QUIESCE COUNTER		
	0009 2642 TCBMPLQ EQU TCBQCNT+2 TASK EVENT CONTROL QUEUE HEADER		
19	2643 *AAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAAA	19	
	000B 2645 TCBPUSH EQU TCBMPLQ+2 PUSH ELEMENT Q-HEADER		
20	000D 2646 TCBCHAIN EQU TCBPUSH+2 SYSTEM EXISTENCE QUEUE CHAINING FIELD	20	

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PAGE 22 V09/11/81 12/08/81 21:28	#SWAT TCB ATTACH TRANSIENT	PAGE 23 V09/11/81 12/08/81 21:28	#SWAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	986 * FREED BY ALLOCATE FOR NON-INDEXED FILES *	02	
	987 * *		
03	988 *****	03	
	0028 990 FIADKEYL EQU FIADDEFQ+1 KEY LENGTH		

01480000	0876 7C 01 74	4250	MVI	TCBNCNT<(,TCB1),1	SET NO CANCEL CNT	aa093	02194000
01470000	0879 7C 01 75	4251	MVI	TCBTQCNT<(,TCB1),1	SET NO INQ. CNT	aa093	02195000
01490000	087C B8 40 27	4252	SC000110	TBN	RB\$LEN+\$ATFLAG<(,RB2), \$ATCOMDN SUPPORT COMMON ?	aa093	02200000
01500000	087F F2 90 08	4253	JF	AT000020	NO, DOES NOT SUPPORT COMM		02210000
01510000	0882 AC 01 1D 19	4254	MVC	RB\$LEN+\$ATLOAD<(2,RB2), RB\$LEN+\$LDOSTRT<(,RB2)	SET LOAD		02220000
01520000	0886 AC 01 17 1D	4255	MVC	RB\$LEN+\$LDOLINK<(2,RB2), RB\$LEN+\$ATLOAD<(,RB2)	SET LINK		02230000
				4256 *	ADDRESS AND START CONTROL ADDRESS EQUAL		02240000
				4257 *			02250000
				4258 *	CALCULATE TCBEGVL VALUE FROM TASK'S LINK EDIT ADDRESS		02260000
				4259 *			02270000
	088A F2 87 0C	4260	J	AT000030	ASSUME LINK EDIT OF 0		02280000
	088D 68 01 2C 16	4261	AT000020	MZN	TCBBEGL+1<(,TCB1), RB\$LEN+\$LDOLINK-1<(,RB2)	CONV. LINK @	02290000
	0891 68 02 2B 16	4262	MWZ	TCBBEGL<(,TCB1), RB\$LEN+\$LDOLINK-1<(,RB2)	TO TCBEGVL VALUE		02300000
	0895 5E 01 2C 2C	4263	ALC	TCBBEGL+1<(2,TCB1), TCBEGVL+1<(,TCB1)	MAKE A HEX OFFSET		02310000
	0899 7C 00 2C	4264	AT000030	MVI	TCBMS12<(,TCB1), 0	RESET MS12 TO 0	02320000
	089C BB 07 1D	4265	SFB	RB\$LEN+\$ATLOAD<(,RB2), X'07'	ENSURE ON 8 BYTE BOUNDARY		02330000
				4266 *			02340000
				4267 *	CALCULATE THE LOGICAL START ADDRESS BASED ON BEGL. THIS WOULD		02350000

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#SVAT TCB ATTACH TRANSIENT PAGE 60 V09/11/81 12/08/81 21:28

#SVAT TCB ATTACH TRANSIENT

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	000F 2647	TCBRDYO EQU TCBCHAIN+2 SYSTEM READY QUEUE CHAINING FIELD
	000F 2648	TCBSWAPQ EQU TCBRDYO SYSTEM READY QUEUE SPECIAL EQUATE
	0011 2649	TCBXNTQ EQU TCBRDYO+2 SYSTEM TRANSIENT QUEUE CHAINING FIELD
03	0013 2650	TCBRTUB EQU TCBXNTQ+2 TUB ADDRESS OF REQUESTOR
04	2652 *XXXXXXXXXX	THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
	0015 2653	TCBJCB@ EQU TCBRTUB+2 ADDRESS OF TASK JOB CONTROL BLOCK
	0017 2654	TCBCRB EQU TCBJCB@+2 CURRENT REQUEST BLOCK POINTER
05	0018 2655	TCB@RSE EQU TCB@CRB+1 REGISTER SAVE ELEMENT (LEFT BYTE)
	0019 2656	TCB@XR1 EQU TCB@CRB+2 . CURRENT XR1
	0018 2657	TCB@XR2 EQU TCB@XR1+2 . CURRENT XR2
	001D 2658	TCB@ARR EQU TCB@XR2+2 . CURRENT ARR
06	001F 2659	TCB@IAR EQU TCB@ARR+2 . CURRENT IAR
	0021 2660	TCB@PSR EQU TCB@IAR+2 . CURRENT PIR/PSR
	0023 2661	TCB@RQ EQU TCB@PSR+2 . CURRENT R AND Q BYTES
07	0024 2662	TCB@INL1 EQU TCB@RQ+1 . INLINE PARM 1
	0025 2663	TCB@INL2 EQU TCB@INL1+1 . INLINE PARM 2
	0026 2664	TCB@INL3 EQU TCB@INL2+1 . INLINE PARM 3
08	0027 2665	TCB@INL4 EQU TCB@INL3+1 . INLINE PARM 4
	0027 2666	TCB@RSE EQU TCB@CRB+16 CURRENT REGISTER SAVE ELEMENT
09	2667 *XXXXXXXXXX	THE ABOVE FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
	2669 *XXXXXXXXXX	THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
	002A 2670	TCBTSSN EQU TCB@RSE+3 TASK DISK ADDR IN SWAP AREA.
10	002B 2671	TCBBEGL EQU TCBTSSN+1 LOGICAL PROGRAM BEGIN ATR NUMBER.
	002B 2672	TCB@ECPM EQU TCBBEGL FOUR BYTE ECH FOR CP WSQS FAILURES.
	002C 2673	TCB@MS12 EQU TCBBEGL+1 CURRENT SIZE OF MAIN STORE ALLOCATED.
11	002D 2674	TCB@RS12 EQU TCB@MS12+1 TASK REGION SIZE (MAX. TCB@MS12)
	2675 *XXXXXXXXXX	THE ABOVE FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXXX
12	002F 2677	TCB@SPOOL EQU TCB@RS12+2 SPOOL WORK AREA ADDR
	002F 2678	TCB@ECHR EQU TCB@SPOOL SPECIAL ECH FOR CP ERRORS.
	002F 2679	TCB@QHDR EQU TCB@SPOOL USED AS SPECIAL SYSTEM Q HEADER.
13	004F 2680	TCB@TRS EQU TCB@SPOOL+32 ATR STACK SAVE AREA
	0051 2681	TCB@TTC EQU TCB@TRS+2 TASK-TASK COMMUNICATIONS AREA
14	0053 2682	TCB@TWA EQU TCB@TTC+2 DISK ADDRESS OF TASK WORK AREA
	0055 2683	TCB@SWA EQU TCB@TWA+2 DISK ADDRESS OF SESSION WORK AREA
	0057 2684	TCB@DREL EQU TCB@SWA+2 TASK RELOCATION FACTOR FOR LOADER
	0057 2685	TCB@MIC EQU TCB@DREL ABTERM ERR MIC
15	005A 2686	TCB@DISK EQU TCB@DREL+3 TASK ABSOLUTE DISK ADDR FOR LOADER
	0059 2687	TCB@IAR EQU TCB@DISK-1 SAVE IAR ON ABTERM
16	005B 2688	TCB@INVCT EQU TCB@DISK+1 TASK INVITE COUNT
	005D 2689	TCB@ASQ EQU TCB@INVCT+2 ASSIGNED ELEMENTS QUEUE
	005F 2690	TCB@EXIT EQU TCB@ASQ+2 ASYNCHRONOUS EXIT ADDRESS.
	005F 2691	TCB@FAIL EQU TCB@EXIT CP ASSIGN FAILURE INDICATOR BYTES
17	0067 2692	TCB@TQE EQU TCB@EXIT+8 TIMER QUEUE ELEMENT.
	0068 2693	TCB@SQCT EQU TCB@TQE+1 COUNT OF SECTOR QUEUE REQUESTS
	0069 2694	TCB@LCKR EQU TCB@SQCT+1 COUNT OF LOCK REQUESTS
18	0080 2695	TCB@CKDI EQU X'80' INTERLOCK FOR DEDICATION
	0040 2696	TCB@CKSI EQU X'40' INTERLOCK FOR SCHEDULER
	0020 2697	TCB@CKVI EQU X'20' INTERLOCK FOR VTDC
19	0010 2698	TCB@CKSI EQU X'10' INTERLOCK FOR FORMAT 5
	0008 2699	TCB@CKPI EQU X'08' INTERLOCK FOR PROC NAME
20	0004 2700	TCB@CKHI EQU X'04' INTERLOCK FOR HISTORY FILE

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#SVAT TCB ATTACH TRANSIENT PAGE 24 V09/11/81 12/08/81 21:28

#SVAT TCB ATTACH TRANSIENT

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	001E 1039	F1FLAG EQU F1ADVTQC+1 1-BYTE FLAG INDICATING THAT RESTART OF
	1040 *	SPACK IS REQUIRED FOR THIS FILE.
03	00FF 1041	F1RESTR EQU X'FF' SWITCH VALUE THAT IS PLACED IN F1FLAG

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	001E 1039	F1FLAG EQU F1ADVTQC+1 1-BYTE FLAG INDICATING THAT RESTART OF
	1040 *	SPACK IS REQUIRED FOR THIS FILE.
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	001E 1039	F1FLAG EQU F1ADVTQC+1 1-BYTE FLAG INDICATING THAT RESTART OF
	1040 *	SPACK IS REQUIRED FOR THIS FILE.
03	00FF 1041	F1RESTR EQU X'FF' SWITCH VALUE THAT IS PLACED IN F1FLAG

SIZE	02650000
2	02670000
4	02680000
8	02690000
REGION SIZE	02890000
10	02900000
12	02910000
14	02920000
16	02930000
18	02940000
20	02950000

	0967 6C 00 1D 04
	0968 BD 00 00
	096E F2 01 04
	0971 5E 00 1D 1C
	0975 5D 00 19 1D
	0979 F2 02 04
	097C 5C 00 19 1D
	0980 BD 00 00
	0983 B5 02 01
	0986 C0 01 095E
	098A C2 02 0000
	098E B8 80 77
	0991 F2 10 0F
	0994 6E 00 1C 2D
	0998 5D 00 19 1C
	099C F2 02 04
	099F 5C 00 19 1C
	09A3 C0 87 090A

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#SVAT	TCB ATTACH	TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01								
02			0020	2755	TCBCN3PD	EQU	X'20'	3 OPTION CANCEL PENDING
03			0010	2756	TCBMWATH	EQU	X'10'	TASK IS IN ABNORMAL TERMINATION
04			0008	2757	TCBMSAFL	EQU	X'08'	2 OPTION-FLUSH PROC
05			0004	2758	TCBMSTAB	EQU	X'04'	2 OPTION-CONTINUE PROC
06			0002	2759	TCBAEDED	EQU	X'02'	TAKE ASYNC EXIT ON ERROR ONLY
07			0001	2760	TCBKOK	EQU	X'01'	DISKETTE ORIENT HAS BEEN PROCESSED
08			0070	2762	TCBAWSCT	EQU	TCBSTAT5+1	ALLOCATED WORK STATION COUNT
09			0070	2763	TCBCATM	EQU	TCBAWSCT	CURRENT ACTIVE TERMINAL COUNT
10			0071	2764	TCBCAT	EQU	TCBAWSCT+1	CURRENT ACTIVE TERMINAL VARIABLE
11			0072	2765	TCBMRTMX	EQU	TCBCAT+1	MRT MAXIMUM REQUESTORS ALLOWED
12			0073	2766	TCBNSCNT	EQU	TCBMRTMX+1	NOT SWAPPABLE COUNTER
13			0074	2767	TCBNCNT	EQU	TCBNSCNT+1	NOT CANCELABLE COUNT
14			0075	2769	TCBIQNT	EQU	TCBNCNT+1	NOT INQUIRABLE COUNT
15			0076	2771	TCBAROCT	EQU	TCBIQNT+1	ACTIVE REQUESTOR COUNT
16			0077	2772	TCBSTAT6	EQU	TCBAROCT+1	STATUS BYTE 6
17			0080	2774	TCBATNS	EQU	X'80'	TASK ATTACHED NON-SWAPPABLE
18			0040	2775	TCBOSKTR	EQU	X'40'	DISKETTE CANCEL RECURSION INDICATOR
19			0020	2776	TCBDUMP	EQU	X'20'	DUMP SHOULD BE TAKEN INDICATOR
20			0010	2777	TCBSFILK	EQU	X'10'	SECURITY-INITIATOR INTERLOCK.
			0008	2778	TCBDUMP	EQU	X'08'	NO DUMP WAS TAKEN FOR ERROR CONDITION
			0004	2779	TCBSILK	EQU	X'04'	WORKSTATION QUEUE SPACE INTERLOCK
			0002	2780	TCBSNARQ	EQU	X'02'	SNA REQUIRED
			0001	2781	TCBDED	EQU	X'01'	DEDICATION OVERRIDE INDICATOR.
			0078	2783	TCBBAT	EQU	TCBSTAT6+1	BATCH ACTIVE TIMEOUT COUNT
			0080	2784	TCBUDMPR	EQU	X'80'	MEDIUM PRIORITY (SEE TCBPRIOR)
			0005	2785	BATCOUNT	EQU	5	NUMBER OF TIMEOUTS ALLOWED.
								2786 * ONLY BITS 1-7 APPLY TO BATCOUNT.
			0079	2788	TCBSUSPS	EQU	TCBBAT+1	SUSPENSION STATUS INDICATOR
			0080	2790	TCBSPUNK	EQU	X'80'	TASK SUSPENDED DUE TO UNLOCK
			0040	2791	TCBSOTSO	EQU	X'40'	TASK SUSPENDED DUE TO SYSTEM OPERATOR
			0020	2792	TCBINQSP	EQU	X'20'	TASK SUSPENDED DUE TO INQUIRY
			0010	2793	TCBSPLSP	EQU	X'10'	TASK SUSPENDED DUE TO SPOOL SUS/RES
			0002	2794	TCBSOTAC	EQU	X'02'	TASK SUSPENDED DUE TO ADDRESS COMPARE
			0001	2795	TCBWIOSP	EQU	X'01'	TASK SUSPENDED DUE TO WS I/O ERROR
			007A	2797	TCBWFILG	EQU	TCBSUSPS+1	WSHA INITIALIZATION STATUS.
								2799 * SEE TUB MACRO (BYTE TUBWFLG) FOR BIT DEFINITIONS WITHIN TCBWFLG.
			007C	2801	TCBSMPT	EQU	TCBWFILG+2	SMF POINTER
								2802 * THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH
								2803 * BYTE OF THE SMF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS
								2804 * A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD.
			0080	2805	TCBSMFDN	EQU	X'80'	SMF HAS PROCESSED THIS TCB
								2806 *
			007D	2808	TCBX	EQU	TCBSMPT+1	AMOUNT OF TASK SWAPPED OUT

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13	0971 5E 00 1D 1C	4365	ALC	TCBAARR(1,TCB1),TCBAARR-1(,TCB1)	ADD IN SIZE	aa093	03280000	
14	0975 5D 00 19 1D 0979 F2 02 04	4366 4367	AT000130 JNL	CLC	TCBAKR1(1,TCB1),TCBAARR-1(,TCB1)	SIZE > MAX? NO, NOT GREATER	aa093 03300000	09CD 09D1
15	097C 5C 00 19 1D 0980 BD 00 00 0983 B5 02 01	4368 4369 4370	MVC AT000135 L	CLC	TCBAKR1(1,TCB1),TCBAARR-1(,TCB1)	MOVE IN SIZE PUSHOCH-1(,PSH2),0 ANY MORE ON QUEUE ? PUSHOCH(,PSH2),PSH2 POINT TO NEXT	aa093 03320000 03330000	09D4 09D8 09DC
16	0986 C0 01 095E	4371	BNE	AT000125		YES CHECK NEXT	03340000	
17	098A C2 02 0000 098E B8 00 77 0991 F2 10 0F	4372 4373 4374	AT000140 AT000150 JT	LA	#,TCB2	RELOAD TCB ADDRESS	aa093 03350000	09DF
18	0994 6E 00 1C 2D 0998 5D 00 19 1C 099C F2 02 04	4375 4376 4377	ALC CLC JNL	AT000160	TCBSTAT6(,TCB2),TCBATNS	TASK ATTACHED NON-SWAP? YES, DON'T FIGURE IN	aa093 03375000 03380000	09E3 09E4 09E7 09EA
19	099F 5C 00 19 1C 09A3 C0 07 090A	4378 4379	MVC AT000160	B	AT000100	TCBAKR1(1,TCB1),TCBAARR-1(,TCB1)	MAKE NEW MAX CHECK NEXT TCB	aa093 03400000 03410000
20								

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PAGE 62 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 63 V09/11/81 12/08/81 21:28	#SVAT
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC
02	007E 2810 TCBSTAT7 EQU TCBX+1 TCB STATUS BYTE 7 2811 *	02	
03	0080 2812 TCBSPMTR EQU X'80' SPOOL WRITER ID 0040 2813 TCBSPLRS EQU X'40' SPOOL TERMINATION	03	
04	0080 2815 TCBLEN EQU TCBSTAT7+2 LENGTH OF TCB + EXPANSION. 2816 *** END OF EXPANSION **	04	
05		05	
06		06	
07		07	
08		08	
09		09	
10		10	
11		11	
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PAGE 26 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 27 V09/11/81 12/08/81 21:28	#SWA
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR
02	1153 * ---- THRU ---- 1154 * EQU X'BE' RESERVED 1155 *** END OF EXPANSION **	02	
	TIMER TO QUEUE (TQE)		
	TIMER ACE QUEUE (ACE)		
	ASK EXECUTING (TCB)		

SELECTED	aa093	03284000
CTOR IS OK	aa093	03286000
D IN SIZE	aa093	03288000
E > MAX?	aa093	03290000
T GREATER	aa093	03300000
E IN SIZE	aa093	03310000
RE ON QUEUE ?	aa093	03320000
TO NEXT	aa093	03330000
CK NEXT	aa093	03340000
TCB ADDRESS	aa093	03350000
TTACHED NON-SWAP?	aa093	03360000
ON'T FIGURE IN	aa093	03370000
OD IN REG SIZE	aa093	03375000
ZE > MAX ?	aa093	03380000
T GREATER THAN MAX	aa093	03390000
KE NEW MAX	aa093	03400000
NEXT TCB	aa093	03410000

09C7 5E 00 1A 19	4409 AT000105 CLC	TCB&XR2(1,TCB1),TCB&XR1(,TCB1)	aa290	03700000
	4411 *	COMPARE SC&MAXRG WITH THE MAXIMUM ACTIVE SWAPPABLE REGION	aa290	03700000
	4412 *	IF THIS TASK IS NOT GREATER THAN THE MAX ACTIVE SWAPPABLE TASK	aa290	03701000
	4413 *	THEN JUMP. OTHERWISE, MAKE THIS TASK THE MAX ACTIVE SWAP TASK	aa290	03702000
09CD 5D 00 1B 19	4414 AT000190 CLC	TCB&XR2(1,TCB1),TCB&XR1(,TCB1)	aa290	03703000
09D1 F2 02 04	4415	JNL AT000195	aa290	03704000
09D4 5C 00 1B 19	4416	MVC TCB&XR2(1,TCB1),TCB&XR1(,TCB1)	aa290	03705000
	4417 *	NOW CHECK IF THERE IS ENOUGH STORAGE AVAILABLE TO FIRE UP TASK	aa290	03706000
09D8 5D 00 1A 2D	4418 AT000195 CLC	TCB&XR2-1(1,TCB1),TCB&RGS1Z(,TCB1)	aa290	03707000
09DC F2 02 05	4419	JNL AT000205	aa290	03710000
		OKAY-JUMP, OTHERWISE ERROR	aa290	03710000
09DF C0 87 0E12	4420 AT000200 B	ATERROR	aa290	03720000
		GO ISSUE ERROR	aa290	03720000
09E3 01	09E3 4421	DC AL1(\$ATERR01)	aa290	03730000
		NOT ENOUGH SWAPPABLE STOR.	aa290	03730000
09E4 75 02 17	4422 AT000205 L	TCB&CRB(,TCB1),RB2	aa290	03740000
09E7 B8 02 1E	4423	TBN RB\$LEN+\$ATFLAG(,RB2),\$ATNSWAP	aa290	03750000
09EA F2 10 0E	4424	JT AT000210	aa290	03760000
		YES, IT IS TO BE	aa290	03760000

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#SVAT TCB ATTACH TRANSIENT		PAGE 64	V09/11/81	12/08/81	21:28
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	2818 * \$TRB V-EQU				00790000
	2819 * TIMER REQUEST BLOCK				
03	2820 *****				
	2821 * 00 * 01 * 02				07 *
	2822 * FLG1 * FLG2 * TIME				*
	2823 * * * *				*
04	2824 *****				
	2825 * 08				0D *
	2826 * DATE				*
05	2827 *				*
	2828 *****				
06	0000 2830 \$TRBFLG1 EQU 0				FLAG BYTE ONE.
07	0001 2832 \$TRBFLG2 EQU \$TRBFLG1+1				FLAG BYTE TWO.
08	0007 2834 \$TRBTIME EQU \$TRBFLG2+6				TIME FIELD.
09	0000 2836 \$TRBDATE EQU \$TRBTIME+6				DATE FIELD.
	000E 2838 \$TRBLEW EQU \$TRBDATE+1				LENGTH OF TRB.
	2840 *** END OF EXPANSION **				

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01			
02			

#SVAT TCB ATTACH TRANSIENT		PAGE 28	V09/11/81	12/08/81	21:28
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT				
02	1157 * ICDMC				00582000

0A1D 7D 07					
0A20 F2 02					
0A23 C0 87					
0A27 02					

01	#SVAT TCB AT
02	ERR LOC OBJEC
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01	#SVAT TCB
02	ERR LOC OB.

04120000	12
04140000	13
04150000	14
04160000	15
04170000	16
04180000	17
04190000	18
	19
	20

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0A79 8D 00 0C	12
0A7C B5 02 0D	13
0A7F C0 01 0A70	14
0A83 4C 00 6B 0273	15
0A88 D2 02 00	16
0A8B F4 00 06	17
0A8E 0030	18
0A90 01	19
0A91 36 01 00 00	20
0A95 F2 01 05	
0A98 C0 87 0E12	
0A9C 05	
0A9C 5F 11 11 11	
0AA1 B4 01 33	
0AA4 B5 02 17	
0AA7 7C 10 11	

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PAGE 65 V09/11/81 12/08/81 21:28	01
00810000	02
*****	03
*	04
*****	05
*	06
*****	07
TOX-----*	08
*	09
*****	10
----->*	11
*	12
*****	13
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#SVAT TCB ATTACH TRANSIENT	01
ERR LOC OBJECT CODE ADDR SYMT SOURCE STATEMENT	02
0008 2800 TQELN EQU TQEFLNK+1 LENGTH OF THE TQE.	03
2801 *** END OF EXPANSION **	04
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#SVAT TCB ATTACH TRANSIENT	01
ERR LOC OBJECT CODE	02
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13	0A83 4C 00 6B 0273	4501	MVC	TCBTSKID(1,TCB1),NUMBPTCB+TCBNSCNT	MOVE IN TASK ID	04468000	
14	0A88 D2 02 00	4502	AT000242	LA	O(,TCB1),TCB2	XR2-> CURRENT TCB	04468400
		4503 *					04470000
		4504 *			ASSIGN AN RB TO START THE NEW TASK		04480000
		4505 *					04490000
15	0A8B F4 00 06	4506 *		ASSGN LEN-RB\$TLEN		ASSIGN AN RB	04500000
		4507	SVC	SVCASSGN,0		ASSIGN REQUEST	
16	0A8E 0030	0A8F 4508	DC	AL2(RB\$TLEN)		ASSIGN LENGTH	
	0A90 01	0A90 4509	DC	AL1(1+0)		ATTRIBUTES	
		4510	***	END OF EXPANSION **			
17	0A91 36 01 0F39	4511	A	ATZERO,RB1		ASSIGN SUCCESSFUL ?	04520000
	0A95 F2 01 05	4512	JNE	AT000243		YES, SUCCESSFUL	04530000
18	0A98 C0 87 0E12	4513	B	ATERROR		GO TO ERROR ROUTINE	04540000
	0A9C 05	0A9C 4514	DC	AL1(\$ATERRO5)		ERROR CODE 5	04550000
19	0A9C 5F 11 11 11	4515	AT000243	SLC	RB\$LEN-1(RB\$LEN,RB1),RB\$LEN-1(C,RB1)	ZERO OUT RB	04560000
	0AA1 B4 01 33	4516	ST	ATSVRBA(,TCB2),RB1		SAVE RB ADDRESS	04563000
	0AA4 B5 02 17	4517	L	TCBCRB(,TCB2),RB2		XR2-> CURRENT RB	04566000
	0AA7 7C 10 11	4518	MVI	RB\$INL4(C,RB1),XFERCTL		SET UP XFER CONTROL	04570000

13	0AF7 B5 02 22	4545
14	0AFA B4 01 24	4547
	0AFD 6C 01 15 32	4548
15	0B01 6C 01 55 22	4550
	0B05 B9 C0 03	4551
	0B08 B8 20 39	4552
16	0B0B F2 90 19	4553
	0B0E B4 02 2E	4554
17	0B11 B5 01 24	4555
	0B14 75 08 13	4556
	0B17 7C 04 13	4557
18	0B1A E2 02 25	4558
	0B1D F4 01 04	4559
19	0B20 33	0B20 4561
	0B21 74 08 13	4562
20	0B24 F2 87 E4	4564

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT PAGE 67 V09/11/81 12/08/81 21:28
02		2893 *		TUB 00830000
		2894	*****	*****
03		2895 *		*
		2896 *		TERMINAL UNIT BLOCK FOR TERMINALS *
		2897 *		*
		2898	*****	*****
04		2899 *	00 * 01 * 02 * 03 * 04 * 05 * 06	07 *
		2900 *	ECM * COMPL * FLAG * CMD * CMD * UNIT * DATA *	*
		2901	*****	*****
05		2902 *	08	09 * 0A OF *
		2903 *	COUNT	SENSE BYTES *
		2904	*****	*****
06		2905 *	10	11 * 12 13 * 14 * 15 * 16 * 17 *
		2906 *	TCBA * CHAIN	* DEVID * QHDR * ERPCT * ERBFG *
		2907	*****	*****
07		2908 *	18 * 19	1A * 1B * 1C 1D * 1E * 1F *
		2909 *	ERAID * MIC	* OPTS * SIOCT * ERRC * WS- *
		2910	*****	*****
08		2911 *	20 * 21	22 * 23 24 * 25 * 26 * 27 *
		2912 *	ID * WSWA	* TCB * AID * CPAID * RESWD *
		2913	*****	*****
09		2914 *	28	2F *
		2915 *		USER ID *
		2916	*****	*****
10		2917 *	30 * 31	32 * 33 34 * 35 * 36 * 37 *
		2918 *	OPSTS * JCB * TUBTUB	* ATTR1 * ATTR2 * ATTR3 *
		2919	*****	*****
11		2920 *	38 * 39	3A * 3B 3C * 3D 3E * 3F *
		2921 *	ATTR4 * ATTR5 * ATTR6	* CTSAV * APRNT * MSGCT *
		2922	*****	*****
12		2923 *	40	41 * 42 43 * 44 * 45 * 46 47 *
		2924 *	ASGNL * PSQND	* ATTR7 * ATTR8 * HELPM *
		2925	*****	*****
13		2926 *	48 * 49	4A * 4B * 4C * 4D * 4E 4F *
		2927 *	ATTR9 * RESS	* RFN * RFCSS * RFDSP * TUBCMK ... *
		2928	*****	*****
14		2929 *	50 * 51	53 * 54 * 55 * 56 57 *
		2930 *	CMK * FMSK * DEXT	* ATTR * MSGID * TUBDMATX *
		2931	*****	*****
15		2932 *	58 * 59	5A * 5B * 5F *
		2933 *	ATTR * TUBDGTUB	* ATTRC * RESERVED *
		2934	*****	*****

#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR	STMT
01			
02		2935	
		2936	
03		2937	
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07		2945	
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19		2969	
		2970	
20		2971	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT PAGE 31 V09/11/81 12/08/81 21:28
02	00586000	0015 1268	I4MTCBAD EQU	I4MTCBAD+2 TCB ADDRESS
		0017 1269	I4MTUBAD EQU	I4MTCBAD+2 TUB ADDRESS

#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR	STMT
01			
02		0055	

04467200	13	4544 * A TUB/SUB ASSOCIATED WITH THE ATTACH. INITIALIZE COMMON FIELDS	04820300	0862 01 0080	4993 *
04468000		4545 * IN TUB/SUB AND TCB.	04820600	0866 04 05 23	4994
04468400		4546 *	04820900	0869 07	0869 4995
04470000	14	0AF7 B5 02 22 4547 AT000247 L RBSLEN+SATTUB@, RB2), TUB2 XR2-> REQUESTING SUB/TUB	04821200	086A E2 01 00	4996 *** EX
04480000		0AFA B4 01 24 4548 ST TUBTCB(, TUB2), TCB1 STORE TCB ADDR.	04821500	086D 75 02 0F	4997
04490000		0AFD 6C 01 15 32 4549 MMC TCBJOB@2, TCB1), TUBJOB@, TUB2) SET JOB ADDR.	04821800	0870 05 02 13	4998
04500000	15	0B01 6C 01 55 22 4550 MMC TCBUSM@2, TCB1), TUBUSM@, TUB2) SET USM@ SS VALUE	04822100	0873 08 03 03 0FBA	4999
04500000		0B05 B9 00 03 4551 TBF TUBCMND(, TUB2), TUBREXEC AN LCS SESSION ?	04822400	0878 0A 00 00	4601 AT0002
		0B08 B8 20 39 4552 TBN SUBATT@5(, TUB2), SUBE@KR EDX RECEIVED ?	04822700	087B 5F 00 00 00	4602
		0B0B F2 90 19 4553 JF AT000248 NO, BOTH NOT MET	04823000	087F 74 02 08	4603
	16	0B0E B4 02 2E 4554 ST TUBTCB+4D TUB+1(, TUB2), TUB2 STORE SUB ADDRESS	04823300	0882 7C C4 09	4604
04520000		0B11 B5 01 24 4555 L TUBTCB(, TUB2), TCB1 XR1-> TCB	04823600	0885 08 20 37	4605
04530000	17	0B14 75 08 13 4556 L RBSWORKS+1(, TCB1), ARR ARR = SAVED TUB BYTES	04823900	0888 F2 90 15	4606
		0B17 7C 04 13 4557 MVI RBSWORKS+1(, TCB1), DBRTM4 CALL ICDB TO DEQUE AND FREE	04824200	088B 08 00 03	4607
04540000	18	0B1A E2 02 25 4558 LA TUBTCB+1(, TUB2), XR2 XR2-> USPL	04824500	088E 09 08 39	4608
		0B1D F4 01 04 4559 * \$XFER ID-RICDB, REFRESH=YES CA L ICDB	04824800	0891 F2 90 15	4609
04550000		0B20 33 0B20 4561 DC AL1(RICDB)			
04560000	19	4562 *** END OF EXPANSION **			
04563000		4563 ST RBSWORKS+1(, TCB1), ARR RESTORE SAVED BYTES	04825100	0894 BC 00 01	4610
04566000		4564 J AT000290 CONTINUE ATTACH	04825400	0897 F4 00 0E	4611 *
04570000	20				4612

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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
00830000	02	2936	*****		02	2966	****
		2937 *	*			2967 *	*
	03	2938 *	*****			2968	****
		2939 *	*****				
		2940	*****				
	04	2941 * 00 * 01 * 02 * 03 * 04 * 05 * 06 07 *	*****			2970	****
		2942 * E@1 * COMPL * FLAG * CMND * CMOD * UNIT@ * DATA@ *	*****			2971 *	*
		2943	*****			2972	****
	05	2944 * 08 09 * 0A	*****				
		2945 * COUNT * SENSE BYTES	*****			2974 *	*
		2946	*****			2975 *	*
	06	2947 * 10 11 * 12 13 * 14 * 15 * 16 * 17 *	*****			2976 *	*
		2948 * TCB@ * CHAIN * DEVD * QHDR * ER@CT * ER@FG *	*****				
		2949	*****			0000 2978 TUB@	
	07	2950 * 18 * 19 1A * 1B * 1C 1D * 1E * 1F *	*****			0000 2980 TUB@	
		2951 * ERAID * MIC * OPTS * SIOCT * ER@CT * US-	*****			0040 2981 TUB@	
		2952	*****			0020 2982 TUB@	
	08	2953 * 20 * 21 22 * 23 24 * 26 * 27 *	*****			2983 *	*
		2954 * ID * CFG@ * TCB * PEKTA * RESMD *	*****			2984 *	*
		2955	*****			2985 *	*
	09	2956 * 28 2B * 2C * 2D * 2E * 2F *	*****			2986 *	*
		2957 * FORMS NUMBER * F@LN * C@RLN * M@PP * D@RST *	*****			2987 *	*
		2958 ***OPTIONAL ADDITION BELOW*****OPTIONAL ADDITION BELOW*****	*****				
	10	2959 * 30 * 32 33 * 34 * 35 * 37 *	*****			0001 2989 TUB@	
		2960 * TUB@SUBC * TUB@GTUB * PATRI * PLPI * RESERVED *	*****			0000 2991 TUB@	
		2961 ***OPTIONAL ADDITION ABOVE*****OPTIONAL ADDITION ABOVE*****	*****			0040 2992 TUB@	
	11	2962 * 38 * 39 * 3A * 3B 3C * 3D 3E * 3F *	*****			2993 *	*
		2963 * RESERVED RESERVED RESERVED *	*****			2994 *	*
		2964 ***OPTIONAL ADDITION ABOVE*****OPTIONAL ADDITION ABOVE*****	*****			2995 *	*
	12					0004 2996 TUB@	
						2997 *	*
	13					0001 2998 TUB@	
						0000 2999 TUB@	
	14					0001 3001 TUB@	
	15					0000 3003 TUB@	
						0040 3004 TUB@	
						0020 3005 TUB@	
	16					0010 3006 TUB@	
						0000 3007 TUB@	
						00 24 3008 TUB@	
	17					0017 3009 TUB@	
						0001 3010 TUB@	
	18					0003 3012 TUB@	
						0000 3014 TUB@	
	19					0000 3015 TUB@	
						0000 3016 TUB@	
						0001 3017 TUB@	
	20					0002 3018 TUB@	

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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
0055	1322	I@EROPTN EQU	I@BINARY+1 ERROR MESSAGE OVERRIDE OPTIONS				

04820000	12	0B5F D2 02 00	4591	LA	0(,ACE1),ACE2	XR2-> ACE	04964000
04820300		0B62 C2 01 008D	4572	LA	NUMSCA+SCADCSF3-1,XR1	XR1-> TUB LOCK	04980000
04820600	13	0B66 F4 05 23	4593 *	TEST	BIT-SCADTLOK	LOCK VERTICAL TUB CHAIN	04990000
04820900		0B69 02	4594	SVC	SVCTEST,OXLOFF+QUAIT	TEST AND SET SVC REQUEST	
04821200			4595	DC	AL1(SCAD;LOK)	BIT TO BE TESTED AND SET	
04821500	14	0B6A E2 01 00	4596 ***	END OF EXPANSTON **			
04821800		0B6D 75 02 0F	4597	LA	0(,ACE2),ACE1	XR1-> ASSIGNED ACE	05005000
04822100		0B70 B5 02 13	4598	L	ACETCB@,(ACE1),TCB2	XR2-> TCB	05052000
04822400	15	0B73 88 03 03 OFBA	4599	L	TCBRTUB(,TCB2),TUB2	XR2-> TUB	05080000
04822700		0B78 BA 80 00	4600	MVN	TUBCMND(,TUB2),ATCONONE	SET UP INVITE OP-CODE 00023	05100000
04823000		0B78 5F 0D 0D 0D	4601	AT000259	SBN	TUBECM(,TUB2),TUB\$SKIP	SET ON THE NOSKIP BIT
04823300	16	0B7F 74 02 0B	4602	SLC	ACETCB@-2(ACETCB@-1,ACE1),ACETCB@-2(,ACE1)	ZERO ACE	05104000
04823600		0B82 7C C4 09	4603	ST	ACEXR1(,ACE1),TUB2	STORE TUB ADDRESS	05106000
04823900	17	0B85 B8 20 37	4604	MVI	ACETYPE(,ACE1),ACEPRIV+ACEXLOFF	SET TYPE	05108000
04824200		0B88 B8 80 03	4605	TBN	TUBATTR3(,TUB2),TUBIPS	PROG. REQ. UNDER FORMAT?	05110000
04824500		0B88 F2 90 15	4606	JF	AT000260	NO, IT IS NOT	05113000
04824800	18	0B8B B8 80 03	4607	TBN	TUBCMND(,TUB2),TUBREXEC	AN ICS SESSION ? 00145	05116000
04825100		0B8E B9 08 39	4608	TBF	TUBATTR5(,TUB2),TUBRSF	STOP FAIL ON RELEASE ?	05130000
04825400		0B91 F2 90 15	4609	JF	AT000265	YES, QUEUE TO CMLQ	05140000
04825700	19	0B94 BC 00 01	4610	MVI	TUBCOMPL(,TUB2),0	CLEAR ALL BITS IN COMPL	05150000
04826000		0B97 F4 00 0E	4611 *	QUEUE	DEV-QHDWSC,DSPL-ACECHAIN-1	QUEUE ACE TO USQ	05160000
04826300	20		4612	SVC	SVQUEUE,QO	SVC FOR SYSTEM QUEUE FUNCTION	

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01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	2966	*****	*****
	2967 *	*****	*****
	2968	*****	*****
03			
04	2970	*****	*****
	2971 *	*****	*****
	2972	*****	*****
05	2974 *		
	2975 *	*****	*****
	2976 *	*****	*****
06	0000 2978	TUBECM EQU 0	EVENT CONTROL MASK
07	0080 2980	TUB\$SKIP EQU X'80'	. NO SKIP :11
	0040 2981	TUB\$REAL EQU X'40'	. DATA ADDRESS IS REAL
	0020 2982	TUB\$NTO EQU X'20'	. NON I/O EVENT
08	2983 *	EQU X'10'	. RESERVED (MUST BE ZERO)
	2984 *	EQU X'08'	. RESERVED (MUST BE ZERO)
09	2985 *	EQU X'04'	. RESERVED (MUST BE ZERO)
	2986 *	EQU X'02'	. RESERVED (MUST BE ZERO)
	2987 *	EQU X'01'	. RESERVED (MUST BE ZERO)
10	0001 2989	TUBCOMPL EQU TUBECM+1	IOB COMPLETION CODE
11	0080 2991	TUB\$ACTV EQU X'80'	. IOB REQUEST ACTIVE
	0040 2992	TUB\$COMPL EQU X'40'	. IOB REQUEST COMPLETE
	2993 *	EQU X'20'	. RESERVED (MUST BE ZERO)
	2994 *	EQU X'10'	. RESERVED (MUST BE ZERO)
	2995 *	EQU X'08'	. NOT USED
12	0004 2996	TUB\$IGND EQU X'04'	. INPUT BUFFER ASSIGNED
	2997 *	EQU X'02'	. RESERVED FOR PRINTER
13	0001 2998	TUB\$ERR EQU X'01'	. ERROR FOUND INDICATOR
	0000 2999	TUB\$RCTL EQU X'00'	. REMOTE ACTIVE
14	0002 3001	TUBFLAG EQU TUBCOMPL+1	FLAG BYTE
15	0080 3003	TUB\$UERP EQU X'80'	. INDICATES USER DEFINED ERP
	0040 3004	TUB\$NO2 EQU X'40'	. NO RETURN ON PERMANENT ERROR
	0020 3005	TUB\$AUTOB EQU X'20'	. AUTO INPUT BUFFER ASSIGNMENT
16	0010 3006	TUB\$VH EQU X'10'	. TUB NOT ALLOWED OFF VERTICAL TUBCHAIN
	0008 3007	TUBONL EQU X'08'	. DEVICE ONLINE
	00C4 3008	TUBR1ISU EQU X'04'	. READ INPUT ISSUED TO TUB
	0002 3009	TUBR1NCM EQU X'02'	. READ INPUT NOT COMPLETE
17	0001 3010	TUB\$DTCS EQU X'01'	. DATA IN CONTROL STORE
18	0003 3012	TUBCMND EQU TUBFLAG+1	IOB COMMAND BYTE
19	00C0 3014	TUB\$DA EQU X'C0'	. LOCAL WORKSTATION DEVICE ADDRESS
	00E0 3015	TUB\$PNAV EQU X'E0'	. NATIVE PRINTER DEVICE ADDRESS
	00C0 3016	TUB\$EXEC EQU X'C0'	. EXEC I/O OPERATION CODE
	00C1 3017	TUB\$POLL EQU X'C1'	. EXEC INVITE OPERATION
20	00C2 3018	TUB\$TGLE EQU X'C2'	. QUITESCE

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09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 33	V09/11/81 12/08/81 21:28
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT

16	OBDE B5 01 24 OBEA B8 80 16 OBE4 F2 90 0C	4651 4652 4653	AT000283 L TBN JF	TUBTCBC(TUB2),TCB1 TUBERPCT(TUB2),ERBBUSY AT000285	RELOAD TCB ADDRESS ERP IN PROCESS ? NO, BYPASS ERP LOGIC	aa023 05326000 05340000	16
17	OBE7 BB 20 16 OBEA BC 01 18	4654 4655	SBF MVI	TUBERPCT(TUB2),ERBDONE TUBERAID(TUB2),\$AIDIOER	SET OFF ERP DONE SET TO I/O ERROR	05350000 05360000	17
18	OBE7 7A 01 79 OBFO 7A 02 01 OBF3 B8 10 38	4656 4657 4658	SBN SBN TBN	TCBSUSPSC(TCB1),TCBUTOSP TCBSTAT2(TCB1),TCBSUSP TUBATTR4(TUB2),TUBIQMP	SET SUSPENDED DUE SET TASK SUSPENDED INQ MENU PENDING ?	aa023 05370000 05380000 05390000	18
19	OBF6 F2 90 0F	4659	JF	AT000287	NO, IT IS NOT	05400000	19
20	OBF9 7A 20 79 OBF6 7A 02 01	4660 4661	SBN SBN	TCBSUSPSC(TCB1),TCBINQSP TCBSTAT2(TCB1),TCBSUSP	SUSPEND DUE TO INQ SET SUSPENDED DUE TO INQ	aa023 05410000 05420000	20

DO1

#SVAT TCB ATTACH TRANSIENT				PAGE 70 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
02	00C3 3019	TUB\$CNCL	EQU	X'C3'	. CANCEL INVITE OPERATION	02	
	0080 3020	TUBREXEC	EQU	X'80'	. REMOTE EXEC I/O OPERATION CODE		
03	0081 3021	TUBRPOLL	EQU	X'81'	. REMOTE INVITE OPERATION	03	
	0083 3022	TUBRCNCL	EQU	X'83'	. REMOTE CANCEL INVITE OPERATION		
	0040 3023	TUBMLDCL	EQU	X'40'	. THIS TUB IS A LOCAL TUB		
04	00C0 3024	TUBMSUB	EQU	X'CO'	. (OFF) IF OFF, THIS IS A SUB	04	
	0003 3025	TUBDEVIC	EQU	TUBCMND	DEVICE ADDRESS		
05	0004 3027	TUBCMOD	EQU	TUBCMND+1	IOB COMMAND MODIFIER CODE	05	
06	00A7 3029	TUB\$PUI	EQU	X'A7'	. PUT WITH INVITE OPERATION	06	
	0027 3030	TUB\$OUP	EQU	X'27'	. OUTPUT OPERATION		
	0002 3031	TUB\$SAVE	EQU	X'02'	. SAVE TABLE OPERATION		
	0006 3032	TUB\$SAVS	EQU	X'06'	. SAVE SCREEN OPERATION		
07	0062 3033	TUB\$RDSN	EQU	X'62'	. READ-SCREEN INPUT OPERATION	07	0000
	0042 3034	TUB\$RDIN	EQU	X'42'	. READ INPUT FIELDS OPERATION		
	0007 3035	TUB\$RSTR	EQU	X'07'	. RESTORE OPERATION		0000
	0022 3036	TUB\$RDMD	EQU	X'22'	. READ MODIFIED IMMEDIATE		
08	0005 3038	TUBUNITa	EQU	TUBCMOD+1	UNIT ADDRESS	08	
	0007 3039	TUBDATAa	EQU	TUBUNITa+2	DATA BUFFER ADDRESS		
09	0009 3040	TUBCOUNT	EQU	TUBDATAa+2	DATA TRANSFER BYTE COUNT	09	
10	000A 3042	TUBSENSE0	EQU	TUBCOUNT+1	SENSE BYTE 0	10	
11	3044 *	DATA STREAM REJECT			* REFERENCE GROUP 1 IN TUBSENSE4	11	
	3045 *	EQU	X'80'		. DATA STREAM REJECT		
	3046 *	WS CONTROL FIELD ERROR			* REFERENCE GROUP 2 IN TUBSENSE4		
	3047 *	EQU	X'40'		. WS CONTROL FIELD ERROR		
12	3048 *	RESOURCES NOT AVAILABLE			* REFERENCE GROUP 3 IN TUBSENSE4	12	
	3049 *	EQU	X'20'		. RESOURCES TEMPORARILY NOT AVAILABLE		
	3050 *	EQU	X'10'		. WS CONTROLLER DBC/DBI PARITY CHECK		
13	3051 *				* REFERENCE GROUP 4 IN TUBSENSE4	13	
	3052 *	EQU	X'08'		. OPERATION CHECK		
	3053 *	EQU	X'04'		. WS CONTROLLER STORAGE PARITY CHECK		
	3054 *	EQU	X'02'		. RESERVED		
14	3055 *	EQU	X'01'		. WS CONTROLLER LONG TIME OUT	14	
15	000B 3057	TUBSENSE1	EQU	TUBSENSE0+1	SENSE BYTE 1	15	
16	3059 *	SCREEN FORMAT ERROR			* REFERENCE GROUP 5 IN TUBSENSE4	16	
	3060 *	EQU	X'80'		. SCREEN FORMAT ERROR		
	3061 *	EQU	X'40'		. NO RESPONSE TIME OUT		
	3062 *	EQU	X'20'		. TRANSMIT ACTIVITY CHECK		
	3063 *	EQU	X'10'		. ACTIVATE COMMAND FAILURE		
	3064 *	EQU	X'08'		. RECEIVE PARITY CHECK		
	3065 *	EQU	X'04'		. RECEIVE LENGTH CHECK		
	3066 *	EQU	X'02'		. NOT USED		
18	3067 *	EQU	X'01'		. EVEN/ODD TIME OUT	18	0002
19	000C 3069	TUBSENSE2	EQU	TUBSENSE1+1	SENSE BYTE 2	19	0005
	3071 *	EQU	X'80'		. DEVICE HUNG BUSY		
20	3072 *	EQU	X'40'		. LINE PARITY CHECK	20	

CO1

#SVAT TCB ATTACH TRANSIENT				PAGE 34 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
02	0004 1405	JCBDSCH3	EQU	JCB	SCHEDULER BYTE THREE	02	00
	0080 1406	JCBMSE0J	EQU	X'80'	SYSLOG - SUPPRESS 2 OPTION HALT		00
03	0040 1407	JCBM\$OFF	EQU	X'40'	SYSLIST OFF SELECTED BY HALT OPTION	03	00
	0020 1408	JCBM\$PRT	EQU	X'20'	SYSLIST PRINTER SELECTED BY HALT OPTION		00
	0010 1409	JCBM\$RST	EQU	X'10'	RESERVE STATEMENT RECEIVED THIS JOB		00
04	0008 1410	JCBM\$CRT	EQU	X'08'	SYSLIST CRT SELECTED BY HALT OPTION	04	00
	0004 1411	JCBM\$OMP	EQU	X'04'	END OF OUTER-MOST PROCEDURE		00
	0002 1412	JCBM\$INQ	EQU	X'02'	INQUIRY JCB		00
05	0001 1413	JCBM\$SRC	EQU	X'01'	TERMINATION - DISPLAY RETURN CODE	05	00

05340000	17		17
05350000			
05360000			
05370000	18		18
05380000			
05390000			
05400000			
05410000	19		19
05420000			
	20		20

D02

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02		3073 *	EQU	X'20'	. UNIT NOT AVAILABLE (PRINTER ONLY)	
		3074 *	EQU	X'10'	. OUTSTANDING STATUS	
03		3075 *			EXCEPTION STATUS EQUATES START	
		3076 *	EQU	X'0E'	. NO STATUS (ALL BITS OFF)	
		3077 *	EQU	X'02'	. NULL OR ATTRIBUTE ERROR	
04		3078 *	EQU	X'04'	. INVALID ACTIVATE	
		3079 *	EQU	X'06'	. RESERVED	
		3080 *	EQU	X'08'	. INVALID COMMAND OR DEVICE ID	
05		3081 *	EQU	X'0A'	. INPUT QUEUE OR STORAGE OVERRUN	
		3082 *	EQU	X'0C'	. INVALID REGISTER VALUE	
		3083 *	EQU	X'0E'	. POWER ON TRANSITION	
06		3084 *			EXCEPTION STATUS EQUATES END	
		3085 *	EQU	X'01'	. EVEN/ODD RESPONSE LEVEL	
07		000D	3087	TUBSENS3 EQU	TUBSENS2+1 SENSE BYTE 3	
		000E	3089	TUBSENS4 EQU	TUBSENS3+1 SENSE BYTE 4 - ERROR CODES	
08		3091 *			GROUP 1 - DATA STREAM REJECT ERRORS	
		3092 *			(REFERENCE TUBSENS0 BIT0)	
09		3094 *	EQU	X'01'	. PREMATURE END OF DATA STREAM	
		3095 *	EQU	X'02'	. INVALID ROW/COLUMN ADDRESS	
10		3096 *	EQU	X'03'	. RA ADDRESS IS LESS THAN PRESENT VALUE	
		3097 *			OF THE ADDRESS COUNTER	
		3098 *	EQU	X'04'	. ESCAPE CHARACTER MISSING OR INVALID	
		3099 *			COMMAND CODE	
11		3100 *	EQU	X'05'	. INVALID START FIELD LENGTH	
		3101 *	EQU	X'06'	. INVALID START FIELD ADDRESS	
12		3102 *	EQU	X'07'	. RESTORE ISSUED TO WRONG DISPLAY STATION	
		3103 *	EQU	X'08'	. INPUT FIELD PAST END OF SCREEN	
		3104 *	EQU	X'09'	. FORMAT TABLE OVERFLOW	
13		3105 *	EQU	X'0A'	. DATA WRITTEN PAST END OF SCREEN	
		3106 *	EQU	X'0B'	. START OF HEADER LENGTH != 3	
		3107 *	EQU	X'0C'	. ROLL PARAMETER ERROR	
14		3108 *	EQU	X'0D'	. TOO MANY FORMAT CONTROL WORDS DEFINED	
15		3110 *			GROUP 2 - WS CONTROL FILED ERRORS	
		3111 *			(REFERENCE TUBSENS0 BIT1)	
16		3113 *	EQU	X'01'	. INVALID COMMAND MODIFIER	
		3114 *	EQU	X'02'	. INVALID BYTE COUNT (0 OR 4096)	
		3115 *	EQU	X'03'	. DEVICE ADDRESS NOT FOUND	
		3116 *	EQU	X'04'	. BYTE COUNT != ACTUALLY TRANSFERED	
17		3118 *			GROUP 3 - RESOURCES TEMPORARILY NOT AVAILABLE ERRORS	
		3119 *			(REFERENCE TUBSENS0 BIT2)	
18		3121 *	EQU	X'01'	. PRINTER BUSY DURING WRITE ATTEMPT	
		0002	3122	TUBSHEAD EQU	X'02'	. WS IN ERROR MODE
		3123 *	EQU	X'03'	. DEVICE OFFLINE ERROR	
19		3124 *	EQU	X'04'	. PRINTER NEEDS INITIALIZATION	
		0005	3125	TUBSNRMD EQU	X'05'	. NOT READY DUE TO OPERATOR ERROR MODE
20		3126 *			OR SYS REQ MODE	

C02

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02		0080	1459	JCBMUPNT EQU	X'80'	WAITING FOR PRINTER
		0040	1460	JCBMULIN EQU	X'40'	WAITING FOR COMMUNICATION LINE
03		0020	1461	JCBMUDKT EQU	X'20'	WAITING FOR DISKETTE
		0010	1462	JCBMUDSK EQU	X'10'	WAITING FOR DISK SPACE
		0008	1463	JCBMUMINT EQU	X'08'	INITIATOR WAITING FOR RESOURCES
04		0004	1464	JCBMUMMX EQU	X'04'	WAITING FOR A PRT OVER MPTMAX
		0002	1465	JCBMSLOP EQU	X'02'	HALT PENDING TO SYSTEM OPERATOR
		0001	1466	JCBMEXTD EQU	X'01'	FILE EXTENSION IN PROCESS
05		002A	1468	JCBDRGS2 EQU	JCBDRGS2+1	REGION SIZE (STEP)
06		002B	1470	JCBDOCTAG EQU	JCBDRGS2+1	CURRENT TAG IN :PSA

ERR LOC	OBJECT CODE	ADDR	STMT
01			
02		0006	3127
		0007	3128
			3129
03			3130
			3132
04			3133
			3135
05			3136
			3137
06			3139
			3140
07			3142
			3143
			3144
08		000F	3146
			3147
09		000F	3148
		0011	3149
10			3151
			3152
			3153
11		0013	3155
12		0014	3157
13		00E0	3159
		00E1	3160
		00E2	3161
14		00E3	3162
		00C0	3163
15		0015	3165
16		0016	3167
17			3169
			3170
			3171
18		0017	3173
			3175
			3176
19			3177
20		0018	3179
		001A	3180

ERR LOC	OBJECT CODE	ADDR	STMT
01			
02		005A	1513
		005C	1514
03		0061	1516
04		0062	1518
		0062	1519
		0080	1520
		0040	1521
05		0020	1522
		0010	1523
		0008	1524
06			1524

16	OCA7 BC 08 00	4744	MVI	0(,2),8	TIME IN DECIMAL.		
	OCAA F4 06 50	4745	SWC	80, JXLOFF+QNFREF			
	OCAD 0A4000	4746	DC	XL3'0A4000'	TIME OF DAY REQUEST.		
		4747	*** END OF EXPANSION **				
17	OCB0 34 01 0F84	4748	ST	ATTCB,TCB1	STORE TCB ADDRESS	05880000	
	OCB4 75 01 15	4749	L	TCB,JCBA(,TCB1),JCB1	POINT TO JCB	05890000	
	OCB7 02 01 5F	4750	LA	JCB0JOB0-2(,JCB1),JOB1	POINT TO JOB NAME FIELD	05900000	
18	OCBA 68 01 00 02	4751	MZN	0(,JOB1),STRBTIME-5(,PAK2)	MOVE IN JOB NAME HOUR	05910000	
	OCBE 68 03 00 03	4752	MNN	0(,JOB1),STRBTIME-4(,PAK2)	MOVE IN JOB NAME HOUR	05920000	
	OCC2 68 01 01 04	4753	MZN	1(,JOB1),STRBTIME-3(,PAK2)	MOVE IN JOB NAME MINUTE	05930000	
	OCC6 68 03 01 05	4754	MNN	1(,JOB1),STRBTIME-2(,PAK2)	MOVE IN JOB NAME MINUTE	05940000	
19	OCCA 68 01 02 06	4755	MZN	2(,JOB1),STRBTIME-1(,PAK2)	MOVE IN JOB NAME SECOND	05950000	
	OCCE 68 03 02 07	4756	MNN	2(,JOB1),STRBTIME(,PAK2)	MOVE IN JOB NAME SECOND	05960000	
20	OC2D 35 01 0F84	4757	L	ATTCB,TCB1	POINT TO TCB	05970000	

DO4

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		001B	3182	TUBOPTS EQU	TUBMIC+1	ERP MESSAGE OPTIONS	
03		3184 *					
		3185 *			SEE THE ERBDOPT FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.		
		3186 *					
04		3188 *					
		3189 *			MISCELLANEOUS DATA		
		3190 *					
06		001D	3192	TUBSTOCT EQU	TUBOPTS+2	START ID COUNT	
		001E	3193	TUBERRCT EQU	TUBSTOCT+1	ERROR RETRY COUNT	
		0020	3194	TUBWSID EQU	TUBERRCT+2	LOGICAL ID OF THE TERMINAL OR PRINTER	
07		0022	3195	TUBWSWA EQU	TUBWSID+2	SS OF WORK STATION WORK AREA	
		0022	3196	TUBPCFGa EQU	TUBWSWA	SS OF PRINTER CONFIGURATION RECORD	
		0024	3197	TUBTCB EQU	TUBPCFGa+2	TUB OWNER TCB ADDRESS AND ...	
		3198 *			PRINTER QHDR		
08		0024	3199	TUBCOMMON EQU	TUBTCB	END OF COMMON PORTION OF TUB	
10		3201	*	*****			
		3202 *			DEVICE DEPENDENT SECTION OF THE TUB	*	
		3203	*	*****			
11		3205 *					
		3206 *			DISPLAY DATA		
		3207 *					
13		0025	3209	TUBAID EQU	TUBCOMMON+1	AID BYTE (ENTER, REC ADV , ETC.)(DISPLAYS)	
		0026	3210	TUBCPAID EQU	TUBAID+1	AID BYTE (INQUIRY, SYS REQ) (DISPLAYS)	
		0027	3211	TUBDRESV EQU	TUBCPAID+1	RESERVED BYTE	
14		002F	3212	TUBUSER EQU	TUBDRESV+8	OPERATOR ID	
		0030	3213	TUBOPSTS EQU	TUBUSER+1	OPERATOR STATUS	
		0032	3214	TUBJCBA EQU	TUBOPSTS+2	ADDRESS OF JCB	
15		0034	3215	TUBTUB EQU	TUBJCBA+2	TUBCHAIN FOR SYS REQ AND INQUIRY	
16		0035	3217	TUBATTR1 EQU	TUBTUB+1	ATTRIBUTE BYTE 1	
		0080	3219	TUBMCN EQU	X'80'	. MASTER CONSOLE	
		0040	3220	TUBACN EQU	X'40'	. ALTERNATE CONSOLE	
17		0020	3221	TUBCMDT EQU	X'20'	. COMMAND TERMINAL(CON)-DATA TERM(OFF)	
		0010	3222	TUBSGN EQU	X'10'	. TERMINAL SIGNED ON	
		0008	3223	TUBTSRQ EQU	X'08'	. TEST REQUEST MODE	
18		0004	3224	TUBSTPJ EQU	X'04'	. JOB INITIATION NOT ALLOWED	
		0002	3225	TUBLIOFR EQU	X'02'	. USWA FORMATTED WITH LIO DISPLAY	
		0001	3226	TUBFCNSL EQU	X'01'	. CONSOLE MODE FORCED BY I/O ERROR	
19		0036	3228	TUBATTR2 EQU	TUBATTR1+1	TERMINAL MODE AND DISPLAY	
20		3230	*	*****			

CO4

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		1567 *			\$LOAD		00630000
		1568	*	*****			
03		1569 *			MAIN STORAGE RELOCATING LOADER PARAMETER LIST EQUATES	*	
		1570	*	*****			
04		0002	1571	\$LDSS EQU	2	SS ADDR OF MEMBER	
		0003	1572	\$LDDTEXT EQU	\$LDSS+1	NUMBER OF TEXT SECTORS	
		0005	1573	\$LDDLINK EQU	\$LDDTEXT+2	LINK EDIT ADDRESS	
		0007	1574	\$LDDSTRT EQU	\$LDDLINK+2	START CONTROL ADDR (ENTRY POINT)	
05		0008	1575	\$LDDRLD EQU	\$LDDSTRT+1	RLD DISP IN THE FIRST SECTOR	
		1576 *			CONTAINING DISK		

16	05880000 05890000 05900000 05910000 05920000 05930000 05940000 05950000 05960000 05970000	001C 7C FF 4F 001F 5C 1E 4E 4F 0023 B8 40 1E 0026 7D 00 2B 0029 F2 91 22	4795 4796 4797 4798 4799	AT000365 MVI MVC T, ZATRIS-1(C), TCB1), TCBATT(C), TCB1) IN TCB TBN RBBLN+BATFLAG(C, RBZ), BATTREAL LOGICAL=REAL TO LINK #? CL1 TCBBEGL(C, TCB1), 0 AND TCBBEGL NOT 0 ? JC AT000367, X'91'	SET UP ADDRESSABILITY 06167900 06167900 06167900 06167900 06167900 06167900 06167900 06167900 06167900 06167900	0091 78 01 79 0094 77 90 0C 0097 C7 02 FEFD 0098 F4 01 04 009E 10 009F 34 01 0F34 00A3 F4 00 0B 00A6 17	4048 4049 4050 4051 4052 4053 4054 4055 4056 4057 4058
17							
18							
19							
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	02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
	03	3231 * TERMINAL MODE INDICATORS *	
	04	3232 *****	
	05	3233 * 100X - STANDBY MODE * 0000 - INITIAL MODE *	
	06	3234 * 00XX - CONSOLE MODE * 0101 - DATA MODE *	
	07	3235 * 0110 - COMMAND MODE * 0111 - INTERRUPT MODE *	
	08	3236 *****	
	09	0080 3237 TUBMSTDY EQU X'80' . TERMINAL IN STANDBY MODE (CON)	
	10	0040 3238 TUBMCNSL EQU X'40' . TERMINAL IN CONSOLE MODE (OFF)	
	11	0040 3239 TUBMSTN EQU X'40' . TERMINAL IN WORKSTN MODE (CON)	
	12	0020 3240 TUBMCHD EQU X'20' . TERMINAL IN COMMAND MODE (CON)	
	13	0010 3241 TUBMCHD EQU X'10' . TERMINAL IN DATA MODE (CON)	
	14	0070 3242 TUBMCHD EQU X'70' . TERMINAL IN DATA MODE ESCAPE (CON)	
	15	0030 3243 TUBMCHD EQU X'30' . TERMINAL IN INITIAL MODE (OFF)	
	16	0008 3245 TUBMCHD EQU X'08' . MENU DISPLAY ACTIVE	
	17	0004 3246 TUBMCHD EQU X'04' . STATUS DISPLAY ACTIVE	
	18	0002 3247 TUBMCHD EQU X'02' . SYSIN/SYSLOG DISPLAY ACTIVE	
	19	0001 3248 TUBMCHD EQU X'01' . MSG DISPLAY ACTIVE	
	20	0037 3250 TUBATTR3 EQU TUBATTR2+1 INVITE INDICATORS	
	01	0080 3252 TUBIIS EQU X'80' . INVITE SCHEDULED TO TUB	
	02	0040 3253 TUBIMI EQU X'40' . IMPLICIT INVITE TO TUB	
	03	0020 3254 TUBIIPS EQU X'20' . TUB INVITED VIA PRUF	
	04	0010 3255 TUBIARF EQU X'10' . AUTO RUF INVITE	
	05	0008 3256 TUBSIIS EQU X'08' . SAME FOR TUBIIS STATUS	
	06	0004 3257 TUBSIMI EQU X'04' . SAME FOR TUBIMI STATUS	
	07	0002 3258 TUBSIPS EQU X'02' . SAME FOR TUBIIPS STATUS	
	08	0001 3259 TUBSIARF EQU X'01' . SAME FOR TUBIARF STATUS	
	09	0038 3261 TUBATTR4 EQU TUBATTR3+1 INQUIRY/SYS REQ AND MISC	
	10	0080 3263 TUBHZQ EQU X'80' . TUB ON HORIZONTAL QUEUE	
	11	0040 3264 TUBINQ1 EQU X'40' . INQUIRY1 TUB	
	12	0020 3265 TUBINQ2 EQU X'20' . INQUIRY2 TUB	
	13	0010 3266 TUBIQMP EQU X'10' . INQUIRY MENU IS PENDING	
	14	0008 3267 TUBRST1 EQU X'08' . RESTORE SCREEN - INQ OR SYS REQ	
	15	0004 3268 TUBRST2 EQU X'04' . RESTORE SCREEN - MSG OR SYSLOG	
	16	0002 3269 TUBLDS EQU X'02' . SYSIN/SYSLOG DISPLAY HAS BEEN SAVED	
	17	0001 3270 TUBIDEL EQU X'01' . I DELETE FUNCTION IS ACTIVE	
	18	0039 3272 TUBATTR5 EQU TUBATTR4+1 RELEASE INDICATORS	
	19	0080 3274 TUBORY EQU X'80' . RESTORE-Y ON OCL STATEMENT	
	20	0040 3275 TUBORN EQU X'40' . RESTORE-N ON OCL STATEMENT	
	01	0020 3276 TUBLOP EQU X'20' . LAST OP TO THE TUB WAS A PUT	
	02	0010 3277 TUBRSW EQU X'10' . RELEASE STOP INV WORKED	
	03	0008 3278 TUBRSF EQU X'08' . RELEASE STOP INV FAILED	
	04	0004 3279 TUBREL EQU X'04' . TUB HAS BEEN RELEASED	
	05	0002 3280 TUBSRQ EQU X'02' . SRT HAS RELEASED REQUESTOR	
	06	0001 3281 TUBSRPM EQU X'01' . CALL TERMINATOR PRIOR TO RELEASE	
	07	003A 3283 TUBATTR6 EQU TUBATTR5+1	

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	02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
	03	1605 * NUCEQ *****	00650000
	04	1606 *****	
	05	1607 * MAIN STORAGE NUCLEUS *	
	06	1608 *****	
	07	1609 *****	
	08	1610 * ADDR NAME SIZE (HEX) SIZE (DEC) LABEL *	
	09	1611 *****	
	10	1612 * 0000 FIXED NUCLEUS 1000 4096 NUF:IXNL *	
	11	1613 *****	
	12	1614 *****	
	13	1615 * 0000 SYSTEM COMMUNICATION AREA 0100 256 NUB:SCA *	

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	02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
	03	1605 * NUCEQ *****	00650000
	04	1606 *****	
	05	1607 * MAIN STORAGE NUCLEUS *	
	06	1608 *****	
	07	1609 *****	
	08	1610 * ADDR NAME SIZE (HEX) SIZE (DEC) LABEL *	
	09	1611 *****	
	10	1612 * 0000 FIXED NUCLEUS 1000 4096 NUF:IXNL *	
	11	1613 *****	
	12	1614 *****	
	13	1615 * 0000 SYSTEM COMMUNICATION AREA 0100 256 NUB:SCA *	

09/11/81 12/08/81 21:28	01	#SVAT TCB ATTACH TRANSIENT	PAGE 38 09/11/81 12/08/81 21:28
	02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
	03	1605 * NUCEQ *****	00650000
	04	1606 *****	
	05	1607 * MAIN STORAGE NUCLEUS *	
	06	1608 *****	
	07	1609 *****	
	08	1610 * ADDR NAME SIZE (HEX) SIZE (DEC) LABEL *	
	09	1611 *****	
	10	1612 * 0000 FIXED NUCLEUS 1000 4096 NUF:IXNL *	
	11	1613 *****	
	12	1614 *****	
	13	1615 * 0000 SYSTEM COMMUNICATION AREA 0100 256 NUB:SCA *	

06334000	15	0DF2 4895 EN1064	4896 *** END OF EXPANSION **	EQU *			
06336000	16	0DF2 B5 02 17	4897	L	TCBCRB(,TCB2),RB2	XR2-> CURRENT RB	06560000
06340000	16	0DF5 B5 01 03	4898	L	RB\$XR1(,RB2),TCB1	TCB ADDRESS ASSIGNED	06570000
06350000	16	0DF8 BD 00 02	4899	CLI	RB\$XR1-1C,RB2),0	DID ATACH FAIL ?	06580.30
06360000	17	0DFB B5 02 05	4900	L	RB\$XR2(,RB2),XR2	LOAD UP PASSED XR2 VALUE	06590000
06370000	17	0DFE F2 81 0E	4901	JE	AT000380	YES, ATACH FAILED	06600000
06380000	18	OE01 OD 03 OFD5 OFB9	4902	CLC	ATSSN+3(4),ATZERO	PASS CONTROL TO NEXT XNT?	06610000
06390000	18	OE07 F2 81 05	4903	JE	AT000380	NO, EXIT TO CALLER	06620000
06380000	19	OE0A F4 00 10	4904 *		\$XFER SSA-ATSSN,REFRESH-NO		06630000
06390000	19	OE0D OFD2	4905	SVC	16,0		
	20	OE0E 4906	4906	DC	AL2(ATSSN)		
	20		4907 *** END OF EXPANSION **				

D07

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02	004A 3339	TUBRFSS	EQU	TUBATTR9+2	REJECT FILE - SS		
02	004B 3340	TUBRFN	EQU	TUBRFSS+1	REJECT FILE - NUMBER SECTORS		
03	004C 3341	TUBRFSS	EQU	TUBRFN+1	REJECT FILE - CURRENT SECTOR		
03	004D 3342	TUBRFDSP	EQU	TUBRFSS+1	REJECT FILE - RELATIVE DISPLACEMENT		
04	004E 3344	TUBCMSK1	EQU	TUBRFDSP+1	FIRST COMMAND KEY MASK BYTE		
04	0080 3345	TUBCMD8	EQU	X'80'	ENABLE COMMAND KEY 8		
04	0040 3346	TUBCMD7	EQU	X'40'	ENABLE COMMAND KEY 7		
05	0020 3347	TUBCMD6	EQU	X'20'	ENABLE COMMAND KEY 6		
05	0010 3348	TUBCMD5	EQU	X'10'	ENABLE COMMAND KEY 5		
05	0008 3349	TUBCMD4	EQU	X'08'	ENABLE COMMAND KEY 4		
06	0004 3350	TUBCMD3	EQU	X'04'	ENABLE COMMAND KEY 3		
06	0002 3351	TUBCMD2	EQU	X'02'	ENABLE COMMAND KEY 2		
06	0001 3352	TUBCMD1	EQU	X'01'	ENABLE COMMAND KEY 1		
07	004F 3353	TUBCMSK2	EQU	TUBCMSK1+1	SECOND COMMAND KEY MASK BYTE		
07	0080 3354	TUBCMD12	EQU	X'80'	ENABLE COMMAND KEY 12		
07	0040 3355	TUBCMD11	EQU	X'40'	ENABLE COMMAND KEY 11		
08	0020 3356	TUBCMD10	EQU	X'20'	ENABLE COMMAND KEY 10		
08	0010 3357	TUBCMD9	EQU	X'10'	ENABLE COMMAND KEY 9		
08	0008 3358	TUBCMD24	EQU	X'08'	ENABLE COMMAND KEY 24		
09	0004 3359	TUBCMD23	EQU	X'04'	ENABLE COMMAND KEY 23		
09	0002 3360	TUBCMD22	EQU	X'02'	ENABLE COMMAND KEY 22		
09	0001 3361	TUBCMD21	EQU	X'01'	ENABLE COMMAND KEY 21		
10	0050 3362	TUBCMSK3	EQU	TUBCMSK2+1	THIRD COMMAND KEY MASK BYTE		
10	0080 3363	TUBCMD20	EQU	X'80'	ENABLE COMMAND KEY 20		
10	0040 3364	TUBCMD19	EQU	X'40'	ENABLE COMMAND KEY 19		
11	0020 3365	TUBCMD18	EQU	X'20'	ENABLE COMMAND KEY 18		
11	0010 3366	TUBCMD17	EQU	X'10'	ENABLE COMMAND KEY 17		
11	0008 3367	TUBCMD16	EQU	X'08'	ENABLE COMMAND KEY 16		
12	0004 3368	TUBCMD15	EQU	X'04'	ENABLE COMMAND KEY 15		
12	0002 3369	TUBCMD14	EQU	X'02'	ENABLE COMMAND KEY 14		
12	0001 3370	TUBCMD13	EQU	X'01'	ENABLE COMMAND KEY 13		
13	0050 3371	TUBCMSK	EQU	TUBCMSK3	COMMAND KEY MASK		
13	0051 3372	TUBFMSK	EQU	TUBCMSK+1	FUNCTION KEY MASK		
13	0080 3373	TUBPRT	EQU	X'80'	ENABLE PRINT KEY		
14	0040 3374	TUBRLUP	EQU	X'40'	ENABLE ROLL UP KEY		
14	0020 3375	TUBRLDN	EQU	X'20'	ENABLE ROLL DOWN KEY		
14	0010 3376	TUBCLER	EQU	X'10'	ENABLE CLEAR KEY		
15	0008 3377	TUBHELP	EQU	X'08'	ENABLE HELP KEY		
15	0004 3378	TUBRCBK	EQU	X'04'	ENABLE RECORD BACKSPACE KEY		
15	3379 *		EQU	X'02'	RESERVED		
15	3380 *		EQU	X'01'	RESERVED		
16	0053 3381	TUBDXTA	EQU	TUBFMSK+2	REMOTE WORKSTATIONS TUB (RWSTB)		
16	3382 *				NOTE: THE ABOVE EQUATE IS THE DISPLAY STATION TUB POINTER		
16	3383 *				TO THE RWS TUB. SEE PRINTER EQUATES FOR THE PRINTER		
16	3384 *				TUB'S POINTER TO THE RWS TUB.		
17	0054 3385	TUBATTR	EQU	TUBDXTA+1	ATTRIBUTE BYTE 10		
18	0080 3386	TUBCLRAD	EQU	X'80'	. CLEAR AIDS		
18	0040 3387	TUB\$LOCK	EQU	X'40'	. LOCK CONTROL		
18	0020 3388	TUB\$OFF	EQU	X'20'	. OFF OCL STATEMENT RECEIVED		
18	0010 3389	TUB\$HOLD	EQU	X'10'	. HOLD PARAMETER FOR OFF COMMAND (ON)		
19	3390 *				NOTE THAT IF THIS BIT IS NOT ON		
19	3391 *				IT INDICATES THE DROP PARAMETER		
20	0008 3392	TUBSUBCN	EQU	X'08'	. SUBCONSOLE WORKSTATION		

C07

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02	1684 *						
02	0000 1685	NUFIXNUC	EQU	X'000'	MAIN STORAGE NUCLEUS - FIXED AREA		
03	1686 *						
03	0000 1687	NUASCA	EQU	NUFIXNUC	SYSTEM COMMUNICATION AREA		
03	0100 1688	NUASCA	EQU	256	* (LENGTH OF AREA)		
04	1689 *						
04	0100 1690	NUACEQH	EQU	NUASCA+NUASCA	SYSTEM QUEUE HEADERS		
04	00C0 1691	NUACEQH	EQU	192	* (LENGTH OF AREA)		
04	1692 *						

15				15	OE4A 35 01 0F80	4946
	06560000				OE4E 1C 00 0E56 00	4947
16	06570000			16	OE53 C2 01 0000	4948
	06580L30					4949
	06590000				OE57 35 02 0141	4950
17	06600000			17		4951
					OE5B B5 02 17	4952
	06610000				OE5E B5 02 05	4953
18	06620000			18	OE61 C0 87 0DC6	4954
19				19		
	06630000					
20				20		

D08

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#SVAT TCB ATTACH TRANSIENT				PAGE 77	V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02		0004 3393	TUBMCOUT EQU X'04' . ENTER HAS BEEN PRESSED AT THE SUBCNLS			
		0002 3394	TUBNOSUB EQU X'02' . ASSIGN NOSUB ACTIVE ON THIS DEVICE			
		0001 3395	TUBRDMOD EQU X'01' . PERFORM READ MODIFIED			
03		0055 3396	TUBMSGID EQU TUBATTRA+1 NEXT REPLY ID TO USE AT SUBCONSOLE			
		0057 3397	TUBDMATX EQU TUBMSGID+2 ADDRESS OF SUBCONSOLE MATRIX			
04		0058 3399	TUBATTRB EQU TUBDMATX+1 ATTRIBUTE BYTE 11			
05		0080 3401	TUBKDPLY EQU X'80' . IGC CAPABLE DISPLAY			
		0040 3402	TUBKKBD EQU X'40' . IGC CAPABLE KEYBOARD			
		0020 3403	TUBMKANJ EQU X'20' . THIS SESSION IN IGC MODE			
06		0010 3404	TUBGAIJD EQU X'10' . EXTD PROCESSING ON			
		0008 3405	TUBRJFOV EQU X'08' . FILE OVERFLOW OF THE REJECT FILE			
		3406 *	EQU X'04' . RESERVED			
		3407 *	EQU X'02' . RESERVED			
		3408 *	EQU X'01' . RESERVED			
07		005A 3409	TUBDGTUB EQU TUBATTRB+2 DISPLAY STATION POINTER TO GAIJI TUB			
		3410 *	REFERENCE GEXTB MACRO FOR DESCRIPTION			
08		005B 3411	TUBATTRC EQU TUBDGTUB+1 ATTRIBUTE BYTE 12			
09		0080 3413	TUBOILGJ EQU X'80' . 0 OPTION TAKEN ON INVALID EXTN CHAR			
		0040 3414	TUBOUNGJ EQU X'40' . 0 OPTION ON AN UNDEFINED EXTN CHAR			
		0020 3415	TUBORMFL EQU X'20' . 0 OPTION ON A RAM FULL ERROR			
10		0010 3416	TUB2RF EQU X'10' . 2 OPTION TAKEN ON A RAM FULL ERROR			
		0008 3417	TUB2IG EQU X'08' . 2 OPTION ON AN INVALID EXTN CHAR			
		0018 3418	TUB2UG EQU X'18' . 2 OPTION ON AN UNDEFINED EXTN CHAR			
11		0004 3419	TUBMHELP EQU X'04' . HIGH LEVEL HELP AID IN PROGRESS			
		0002 3420	TUB1OPT EQU X'02' . 1 OPTION TAKEN ON ABOVE ERROR			
		0001 3421	TUBRAMER EQU X'01' . SET OFF WSQS INTLK ON LOAD RAM ERROR			
12		005F 3422	TUBRSVD EQU TUBATTRC+4 RESERVED			
		0060 3423	TUBLEN EQU TUBRSVD+1 LENGTH OF A DISPLAY TUB			
13						
14		3425 *				
		3426	*****			
		3427 *	PRINTER UNIQUE PORTION OF THE TUB *			
		3428	*****			
15		3429 *				
16		0026 3431	TUBPEXTA EQU TUBCOMON+2 REMOTE WORKSTATION TUB ADDRESS (PRINTERS)			
		0027 3432	TUBPRESV EQU TUBPEXTA+1 RESERVED BYTE			
		002B 3433	TUBPFMNO EQU TUBPRESV+4 FORMS NUMBER			
17		002C 3434	TUBPFMLN EQU TUBPFMNO+1 FORMS LENGTH (LINES/PAGE)			
		002D 3435	TUBPCRLN EQU TUBPFMLN+1 CURRENT LINE			
		002E 3436	TUBPMXPP EQU TUBPCRLN+1 MAX PRINT POSITION (HORIZONTAL)			
18		002F 3437	TUBDPST EQU TUBPMXPP+1 PRINTER STATUS BYTE			
		0080 3438	TUBSPUM EQU X'80' . POST USER ON ERROR MESSAGE			
		0040 3439	TUBSDPST EQU X'40' . PRINTER PAST READY			
19		0020 3440	TUBSEXTD EQU X'20' . THIS PRINTER TUB HAS AN ADDITION			
		3441 *	EQU X'10' . RESERVED			
		3442 *	EQU X'08' . RESERVED			
20		3443 *	EQU X'04' . RESERVED			

C08

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*		

#SVAT TCB ATTACH TRANSIENT				PAGE 41	V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT			
02		0390 1738	NUBDSTQE EQU NUBCSETC+NULACE DISPATCHER TQE			
		000B 1739	MULTQE EQU 8 * (LENGTH OF A TQE)			
		1740 *				
03		0398 1741	NUBMNTQE EQU NUBDSTQE+MULTQE MIDNIGHT TQE			
		1742 *				
04		03A0 1743	NUBDLTQE EQU NUBMNTQE+MULTQE STATISTICS DATA LOG TIME Q ELEMENT			
		1744 *				
		03A8 1745	NUBATQE EQU NUBDLTQE+MULTQE ASSIGN/FRFE FAILURE TIME Q ELEMENT			

#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE
02	1
	0001 1
	0003 1
03	0004 1
	0080 1
	1
04	1
	0005 1

14	0E49 01	4945 *** END OF EXPANSION **	DC	ALLO(0+1)	FREE FUNCTION BYTE		
15	0E4A 35 01 0F80	4946 ATE0060 L	RTALLO+3,XR1			06980000	
	0E4E 1C 00 0E56 00	4947	MVC	ATE0070+3(1),0(,XR1)	MOVF IN ERROR CODE	06990000	
	0E53 C2 01 0000	4948 ATE0070 LA	#,XR1		LOAD ERROR CODE IN XR1	07000000	
16	0E57 35 02 0141	4949 * TCBA	R-TCB2			07010000	
		4950 L	321,TCB2	GET TCB ADDRESS.			
		4951 ***	END OF EXPANSION **				
17	0E5B B5 02 17	4952 L	TCBCRB(,TCB2),RB2			07020000	
	0E5E B5 02 05	4953 L	RB\$XR2(,RB2),XR2			07030000	
	0E61 C0 87 0DC6	4954 B	AT000370		GO EXIT ROUTINE	07040000	
18							
19							
20							

D09

01	#SVAT TCB ATTACH TRANSIENT				PAGE 78	V09/11/81 12/08/81 21:28	01	#SVAT TCB ATTACH TRANSIENT
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT				02	ERR LOC OBJECT CODE ADDR
03		3444 *	EQU X'02'	. RESERVED			03	
		3445 *	EQU X'01'	. RESERVED				
04		0030 3446 TUBPLEN	EQU TUBDPRST+1	LENGTH OF A BASIC PRINTER TUB			04	
		3447	*****	*****				
		3448 *	PRINTER TUB ADDITION	*				
		3449	*****	*****				
05		0031 3450 TUBPSUBC	EQU TUBPLEN+1	SUBCONSOLE LOGICAL ID			05	
		0033 3451 TUBPGTUB	EQU TUBPSUBC+2	POINTER TO GAIJI TUB (PRINTERS)				
		3452 *		REFERENCE GEXTB MACRO FOR DESCRIPTION				
06		0034 3453 TUBPATR1	EQU TUBPGTUB+1	PRINTER ATTRIBUTE BYTE ONE			06	
		0080 3454 TUBKPNTR	EQU X'80'	. IGC CAPABLE PRINTER				
		0040 3455 TUBGAIJP	EQU X'40'	. EXTD PROCESSING ON FOR THIS PRINTER				
		3456 *	EQU X'20'	. RESERVED				
		3457 *	EQU X'10'	. RESERVED				
		3458 *	EQU X'08'	. RESERVED				
		3459 *	EQU X'04'	. RESERVED				
		3460 *	EQU X'02'	. RESERVED				
		3461 *	EQU X'01'	. RESERVED				
08		0035 3462 TUBPLPI	EQU TUBPATR1+1	LINES PER INCH			08	
		3463 *		LEFT NIBBLE = LAST VALUE SENT				
		3464 *		RIGHT NIBBLE = DEFAULT VALUE				
09		003F 3465 TUBPERES	EQU TUBPLPI+10	RESERVED AREA			09	
		0040 3466 TUBPELEN	EQU TUBPERES+1	LENGTH OF A PRINTER TUB WITH ADDITION				
		3467 *						
10		3468 ***	END OF EXPANSION **				10	
11							11	
12							12	
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C09

01	#SVAT TCB ATTACH TRANSIENT				PAGE 42	V09/11/81 12/08/81 21:28	01	#SVAT TCB ATTACH TRANSIENT
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT				02	ERR LOC OBJECT CODE ADDR
		1781 *	PUPEQ			00670000		
		0001 1782 PUSHCH	EQU 1	POINTER TO NEXT PUSH ELEMENT				
		0003 1783 PUSHOSS	EQU PUSHCH+2	SS OF TWA ALLOCATED ON DISK				
		0004 1784 PUSHIND	EQU PUSHOSS+1	PUSH INDICATOR				
		0080 1785 PUSHPART	EQU X'80'	* TASK PUSHED PARTIALLY TO DISK				
		1786 *		NOTE THAT A VALUE OF X'FF' IN THIS BYTE INDICATES THAT				

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 06980000
 06990000
 07000000
 07010000
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 07020000
 07030000
 07040000
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 OEDD DEE1 500
 DEEO 500
 DEEO 500
 DEDE 500
 DEE1 500
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D10

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02		3470	*	SUB 00843000
03		3471	*	*****
03		3472	*	
03		3473	*	SESSION UNIT BLOCK FOR ICS SESSIONS
03		3474	*	
04		3475	*	*****
04		3476	*	00 * 01 * 02 * 03 * 04 * 05 06 * 07 *
04		3477	*	ECM * COMP1 * COMP2 * CMOD * CMND * DATA * EFFL *
04		3478	*	*****
05		3479	*	OR 08 * 09 0A * 0B 0C * 0D 0E * 0F *
05		3480	*	OUTL * ASGNL * SSBa * XSCRa * BUBa *
06		3481	*	*****
06		3482	*	10 * 11 * 12 13 * 14 * 15 16 * 17 *
06		3483	*	SNUBa * BFFLG * CHAIN * STSKI * XFACT * XPRMa *
06		3484	*	*****
07		3485	*	18 * 19 * 1A * 1B XCHNa 1C * 1D 1E * 1F *
07		3486	*	* RES1 * RES2 * OR RES3 RES4* ASGNa * WSID *
08		3487	*	*****
08		3488	*	20 * 21 22 * 23 USER 24 * 25 * 26 27 *
08		3489	*	* WSHA * TCBa * UTSKI * LOCa *
09		3490	*	*****
09		3491	*	28 2F *
09		3492	*	USER ID
10		3493	*	*****
10		3494	*	30 * 31 32 * 33 34 * 35 * 36 * 37 *
10		3495	*	OPSTS * JCBA * QSHDR * ATTR1 * ATTR2 * ATTR3 *
11		3496	*	*****
11		3497	*	38 * 39 * 3A * 3B 3C * 3D 3E * 3F *
11		3498	*	LINa * ATTR5 * ATTR6 * UNUSED * APRNT *
12		3499	*	*****
12		3500	*	40 41 * 42 43 * 44 45 * 46 * 47 *
12		3501	*	DSKa * RECL * XPRL * BFLG2 * UNUSED*
12		3502	*	*****

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C10

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02		1796	*	RBEQU 00690000
02		0001	1797	RB\$CHAIN EQU 1 ADDRES OF NEXT REQUEST BLOCK
03		0003	1798	RB\$XR1 EQU RB\$CHAIN+2 XR1 SAVE AREA
03		0005	1799	RB\$XR2 EQU RB\$XR1+2 XR2 SAVE AREA
03		0007	1800	RB\$ARR EQU RB\$XR2+2 ARR SAVE AREA

01
 02
 03

13	OED3 B5 02 EA	5003	L	ATTBCB(BAS2),TCB2	XR2-> ASSIGNED TCB	07275000		
14	OED6 CO 87 0000	5004	RTDEALL	B #	RETURN TO CALLER	07280000	OF3F 5E 00 3F 3F	5044
							OF43 00 20 39	5045
	OEDA	OEDC 5005	ATALLS2	DS CL3	TCBTSSN HOLD AREA	07290000		
	OEDD	OEE1 5006	ATSVELM	DS CL5	SAVE ELEMENT ADDRESS	07291000	OF46 76 02 AD	5046
15		OEE0 5007	ATSVSSVL	EQU ATSVELM-1	SS START VALUE	07292000	OF49 5F 00 04 37	5047
		OEE0 5008	ALSSS	EQU ATSVSSVL	SS VALUE ALLOCATED	07293000	OF4D 00 02 36	5048
		OEDE 5009	ATSVCHAN	EQU ATSVELM-3	FORWARD CHAIN ADDRESS	07294000		
16		OEE1 5010	ATSV*BYT	EQU ATSVELM	# BYTES IN INDEX	07295000	OF50 1C 00 0000 D0	5049
							OF55 7D 00 00	5050
17							OF58 75 02 01	5051
							OF58 D0 01 10	5052
18							OF5E 75 02 A7	5053
							OF61 9C 02 3D A4	5054
								5055
19							OF65 F4 01 04	5056
							OF68 35	5057
							OF68 35	5058
20							OF69 74 02 A7	5059

D11

V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 80	V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT			ERR LOC OBJECT CODE ADDR STMT
02	00843000 3504 *****			000C 355
	3505 * SESSION UNIT BLOCK (SUB) *			000E 355
	3506 *****			0010 356
03	0000 3508 SUBECM EQU TUBECM EVENT CONTROL MASK			0010 356
04	0080 3510 SUB\$SKIP EQU TUB\$SKIP . NO SKIP BIT			0011 356
	3511 * BITS 1&2 NOT USED			0080 356
	3512 * BITS 3-7 MUST BE ZERO			356
05	0001 3514 SUB\$COMP1 EQU TUB\$COMPL SUB COMPLETION BYTE 1			356
	0080 3515 SUB\$ACTV EQU X'80' . SUB REQUEST ACTIVE			0040 356
06	0040 3516 SUB\$CMPL EQU X'40' . SUB REQUEST COMPLETE			357
	3517 * BITS 2-7 ARE USED TO REFLECT THE MINOR RETURN CODES - SEE MACRO			357
	3518 * \$DTFO FOR THE DEFINED SET OF MINOR RETURN CODES.			357
07	0002 3520 SUB\$COMP2 EQU TUB\$FLAG SUB COMPLETION BYTE 2			0020 357
	0040 3521 SUB\$SPRC EQU X'40' . IMS SPANNED RECORDS			357
08	3522 * THE REMAINING VALUES ARE POSSIBLE MAJOR RETURN CODES - SEE			357
	3523 * MACRO \$DTFO FOR THE POSSIBLE MAJOR RETURN CODE VALUES.			0010 357
09	0003 3525 SUB\$CMD EQU TUB\$CMD SUB COMMAND MODIFIER			357
	0020 3526 SUB\$EXEC EQU X'20' . SESSION EXEC I/O OPERATION CODE			358
	0030 3527 SUB\$EOX EQU X'30' . SESSION EOX MODIFIER			0008 358
10	0010 3528 SUB\$EOXM EQU X'10' . SESSION EOX MODIFIER			358
	0028 3529 SUB\$PTH EQU X'28' . SESSION PASS THRU MODIFIER			358
	0008 3530 SUB\$PTHM EQU X'08' . SESSION PASS THRU MODIFIER			358
11	0024 3531 SUB\$FMH EQU X'24' . SESSION FMH MODIFIER			0004 358
	0004 3532 SUB\$FMHM EQU X'04' . SESSION FMH MODIFIER			358
12	0022 3533 SUB\$EOC EQU X'22' . SESSION EOC MODIFIER			358
	0002 3534 SUB\$EOCM EQU X'02' . SESSION EOC MODIFIER			358
	0021 3535 SUB\$FAIL EQU X'21' . SESSION FAIL MODIFIER			358
13	0001 3536 SUB\$FAM EQU X'01' . SESSION FAIL MODIFIER			0002 359
	0022 3537 SUB\$EOF EQU SUB\$EOC . SESSION EOF MODIFIER			359
	0002 3538 SUB\$EOFM EQU SUB\$EOCM . SESSION EOF MODIFIER			359
14	0004 3540 SUB\$CMD EQU TUB\$CMD SUB COMMAND CODE			359
	0001 3541 SUB\$GET EQU X'01' . GET OPERATION			359
	0002 3542 SUB\$PUT EQU X'02' . PUT OPERATION			0001 359
15	0004 3543 SUB\$EVOK EQU X'04' . EVOKE OPERATION			359
	0008 3544 SUB\$RCD EQU X'08' . REQUEST CHANGE OF DIRECTION			359
16	0010 3545 SUB\$REL EQU X'10' . RELEASE OPERATION			359
	0020 3546 SUB\$ACQ EQU X'20' . ACQUIRE OPERATION			
	0030 3547 SUB\$SACQ EQU X'30' . SPECIAL ACQUIRE OPERATION			0013 360
	0040 3548 SUB\$CAN EQU X'40' . CANCEL OPERATION			0014 360
17	0080 3549 SUB\$NRP EQU X'80' . NEGATIVE RESPONSE			
	00E0 3550 SUB\$EODN EQU X'E0' . NORMAL END OF STEP OR JOB			
18	00F0 3551 SUB\$EOSA EQU X'F0' . ABNORMAL END OF STEP OR JOB			0016 360
	00FF 3552 SUB\$ASF EQU X'FF' . ASSIGN FAILURE IN ICSSQS			360
				360
19	0006 3554 SUB\$DATA@ EQU SUB\$CMD+2 DATA BUFFER ADDRESS			
	0008 3555 SUB\$OUTL EQU SUB\$DATA@+2 OUTPUT LENGTH			
	0008 3556 SUB\$EFL EQU SUB\$OUTL EFFECTIVE INPUT LENGTH			0018 360
20	000A 3557 SUB\$ASGL EQU SUB\$OUTL+2 ASSIGNED OR PREALLOCATED BUFFER LENGTH			0019 360

C11

V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 44	V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT			ERR LOC OBJECT CODE ADDR S
02	00690000 1815 * SCAEQ			0001 1
	1816 *****			1
	1817 * *			1
03	1818 * *			0001

07275000	13	OF38 5F 00 A5 37	5042	SLC	ALSIZE(1,BAS1),ALLO020+1(C,BAS1)	ALLOCATED ALL ?	07560000
07280000	14	OF3F F2 04 3B	5043	JNH	ALLO0080	YES, ALLOCATION DONE	07570000
07290000	14	OF3F 5E 00 3F 3F	5044	ALLO0070	ALC	ALLO0040+1(C,BAS1),ALLO0040+1(C,BAS1) DOUBLE Q-CODE	07580000
07291000	15	OF43 D0 20 39	5045	BNOL	ALLO0030(C,BAS1)	NOT DONE BRANCH	07590000
07292000	15	OF46 76 02 AD	5046	A	ALMONE(C,BAS1),F52	BUMP TO NEXT BYTE	07600000
07293000	15	OF49 5F 00 04 37	5047	SLC	ATSVMBYT(1,BAS1),ALLO0020+1(C,BAS1)	DONE WITH AREA	07610000
07294000	16	OF4D D0 02 36	5048	BNL	ALLO0020(C,BAS1)	NO, CHECK NEXT BYTE	07630000
07295000	16	OF50 1C 00 0000 D0	5049	ALLO0075	MVC	*(#),ALSAVE(C,BAS1)	RESTORE MASTER PATTERN
		OF55 7D 00 00	5050	CLI	ATSVCHAN-1(C,BAS1),0	ANY MORE CHAINS ?	07640000
		OF58 75 02 01	5051	L	ATSVCHAN(C,BAS1),F52	GO CHECK CHAIN OF	07641400
		OF5B D0 01 10	5052	BNE	ALLO0010(C,BAS1)	INDEX ELEMENTS	07642100
		OF5E 75 02 A7	5053	L	ATTCB(C,BAS1),TCB2	XR2-> ASSIGNED TCB	07642800
		OF61 9C 02 3D A4	5054	MVC	ATSVSIZE(3,TCB2),ATALSIZ(C,BAS1)	SAVE SIZE AND ARR	07643500
			5055 *	\$XFER	ID-RSVTX,REFRESH-YES	CALL #SVTX	07644200
		OF65 F4 01 04	5056	SVC	4,1		
		OF68 35	OF68 5057	DC	AL(RSVTX)		
			5058	***	END OF EXPANSION **		
		OF69 74 02 A7	5059	ST	ATTCB(C,BAS1),TCB2	STORE TCB ADDRESS	07644900

D12

V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 81 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
**	02	000C 3558	SUBSSB@	EQU SUBASGNL+2	02	001A	3610		ADDRESS OF SESSION OCL CNTL. BLOCK
*		000E 3559	SUBXSCRA@	EQU SUBSSB@+2		001C	3611		ADDRESS OF SUBSYSTEM CONTROL TABLE
**	03	0010 3560	SUBBUB@	EQU SUBXSCRA+2	03	001B	3611		ADDRESS OF ASSOCIATED BUB
		0010 3561	SUBSNUB@	EQU SUBBUB@		001C	3611		ADDRESS OF ASSOCIATED SNUB
		0010 3562	SUBTSUB@	EQU SUBBUB@		001E	3611		ADDRESS OF TARGET SUB
	04	0011 3564	SUBBFFLG	EQU SUBBUB@+1	04	0020	3611		FLAG BYTE FOR BUFFER USAGE
		0080 3565	SUB\$PRAL	EQU X'80'		0022	3611		BUFFER IS PREALLOCATED
		3566 *				0022	3611		THE SUBSYSTEM HAS ALLOCATED A BUFFER
		3567 *				0024	3611		OF LENGTH SUBASGNL AND ADDRESS OF
		3568 *				0025	3620		SUBASGN@.
	05	0040 3569	SUB\$DSK	EQU X'40'	05	0027	3621		SUBSYSTEM SUPPORTS DATA ON DISK
		3570 *				002F	3621		IF AN ASSIGN FAILS FOR AN OUTPUT
		3571 *				0030	3621		OPERATION, THEN ICFDM WILL WRITE
		3572 *				0030	3621		THE DATA TO DISK.
	06	0020 3573	SUB\$OOD	EQU X'20'	06	0032	3621		DATA IS ON DISK
		3574 *				0034	3621		THIS BIT IS SET ON BY THE SUBSYSTEM
		3575 *							OR ICFDM TO INDICATE INPUT OR OUTPUT
		3576 *							DATA IS ON DISK.
	07	0010 3577	SUB\$NRPV	EQU X'10'	07	0035	3621		NEGATIVE RESPONSE OPERATION VALID
		3578 *				0040	3621		THIS BIT IS SET ON BY THE SUBSYSTEM
		3579 *				0020	3630		TO INDICATE IF A NEGATIVE RESPONSE
		3580 *				0010	3631		OPERATION IS VALID.
	08	0008 3581	SUB\$PSTH	EQU X'08'	08	0004	3633		THIS IS A PASS THRU USER
		3582 *				0002	3634		THIS BIT IS SET ON BY THE SNUF
		3583 *				0001	3635		SUBSYSTEM TO INDICATE A PASS THRU
		3584 *							SESSION.
	09	0004 3585	SUB\$ALCQ	EQU X'04'	09	0036	3637		COMMON QUEUE SPACE IS ALLOCATED
		3586 *							THIS BIT IS SET ON BY ICFDM AFTER
		3587 *				0080	3639		ASSIGNING A BUFFER IN COMMON QUEUE
		3588 *				0010	3640		SPACE. SUBXPRAL IS THE LENGTH AND
		3589 *							SUBXPRM@ THE ADDRESS.
	10	0002 3590	SUB\$ALSQ	EQU X'02'	10	0037	3643		SUBSYSTEM QUEUE SPACE (OR COMMON
		3591 *							THIS BIT IS SET ON BY ICFDM OR THE
		3592 *							SUBSYSTEM AFTER ASSIGNING A BUFFER
		3593 *							IN THE SUBSYSTEM'S QUEUE SPACE.
		3594 *				0040	3646		SUBASGNL AND SUBASGN@ ARE THE LENGTH
		3595 *				0020	3647		AND ADDRESS.
	11	0001 3596	SUBDFRSP	EQU X'01'	11	0010	3648		DEFINITE RESPONSE - DON'T DO READ AHEAD
		3597 *							THIS BIT IS SET ON BY THE SUBSYSTEM
		3598 *							TO PREVENT ICFDM FROM DOING A READ
		3599 *							AHEAD GET OPERATION WHEN CD NOT REC.
	12	0013 3601	SUBCHAIN	EQU TUBCHAIN	12	0000	3653		SUB CHAIN FIELD
		0014 3602	SUBSTSKI	EQU SUBCHAIN+1		0001	3654		SUBSYSTEM TASK ID
	13	0016 3604	SUBXFACT	EQU SUBSTSKI+2	13	0002	3655		PAD TO ADD TO BUFFER LENGTH
		3605 *							LEFT HAND BYTE IS FOR INPUT
		3606 *							RIGHT HAND BYTE IS FOR OUTPUT
	14	0018 3608	SUBXPRM@	EQU SUBXFACT+2	14	0020	3659		ADDRESS OF OPERATION PARM LIST
		0019 3609	SUBSRES1	EQU SUBXPRM@+1		0002	3661		RESERVED FOR SUBSYSTEM USE

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V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 45 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
00710000	02	0001 1869	SCANDSIZ	EQU X'01'	02	0080	1870		X'01' - DISK FILE SIZE
		1870 *				0070			0 - 8 MEGABYTE DISK

07590000	14
07600000	15
07610000	15
07630000	15
07640000	16
07640700	16
07641400	17
07642100	17
07642800	18
07643500	18
07644200	18
07644900	20

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D13

81 V09/11/81 12/08/81 21:28	01
	02
	03
	04
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OF	05
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	07
STEM	08
OUTPUT	08
D	09
STEM	09
USE	09
	10
U	10
	11
R	12
UE	12
	13
HE	13
ER	13
	14
NGTH	14
D AHEAD	15
TEM	15
AD	15
REC.	16
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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
	001A	3610	SUBSRES2 EQU SUBSRES1+1 RESERVED FOR SUBSYSTEM USE
	001C	3611	SUBXCHN EQU SUBSRES2+2 CHAIN POINTER TO NEXT XSUB
	001B	3612	SUBSRES3 EQU SUBSRES2+1 RESERVED FOR SUBSYSTEM USE
	001C	3613	SUBSRES4 EQU SUBSRES3+1 RESERVED FOR SUBSYSTEM USE
	001E	3614	SUBASGN EQU SUBXCHN+2 ADDRESS OF ASSIGNED AREA
	0020	3616	SUBWSTD EQU TUBWSTD PHYSICAL ID OF THE SESSION
	0022	3617	SUBWSPA EQU TUBWSPA SS OF SESSION WORK AREA
	0022	3618	SUBPCFG EQU SUBWSPA SS OF PRINTER CONFIGURATION RECORD
	0024	3619	SUBTCB EQU TUBTCB SUB OWNER TCB ADDRESS
	0025	3620	SUBUTSKI EQU SUBTCB+1 SUB OWNER TASK ID
	0027	3621	SUBLOC EQU SUBUTSKI+2 LOCATION ADDRESS
	002F	3623	SUBUSER EQU TUBUSER SESSION USER ID
	0030	3624	SUBOPSTS EQU TUBOPSTS SESSION STATUS
	0032	3625	SUBJCB EQU TUBJCB ADDRESS OF JCB
	0034	3626	SUBQSHDR EQU SUBJCB+2 ADDRESS OF SUBSYS. Q-SPACE HEADER
	0035	3628	SUBATTR1 EQU TUBATTR1 ATTRIBUTE BYTE 1
	0040	3629	SUBDSAP EQU TUBACN . DISABLE IS PENDING IN SUB
	0020	3630	SUBCMDT EQU TUBCMDT . SUB IS A REQUESTOR SESSION
	0010	3631	SUBSGN EQU TUBSGN . SESSION SUCCESSFULLY SIGNED ON
	0008	3632	SUBFTOD EQU TUBTSRQ . FIRST TIME OPERATION IS DONE
	0004	3633	SUBSTPJ EQU TUBSTPJ . JOB INITIATION NOT ALLOWED
	0002	3634	SUBDSAB EQU TUBLOFR . DISABLE KILL PENDING
	0001	3635	SUBGFAL EQU TUBFCNSL . X'81' MAJOR RETURN CODE RECEIVED
			3636 * REMAINING BIT IS NOT DEFINED
	0036	3637	SUBATTR2 EQU TUBATTR2 ATTRIBUTE BYTE 2
	0080	3639	SUBMSTDY EQU TUBMSTDY . SESSION IS COMMAND CAPABLE
	0010	3640	SUBMDATA EQU TUBMDATA . SESSION HAS AN ASSOC. JCB
			3641 * THE REMAINING BITS ARE RESERVED
	0037	3643	SUBATTR3 EQU TUBATTR3 INVITE INDICATORS
	0080	3645	SUBIIS EQU TUBIIS . INVITE SCHEDULED TO SUB
	0040	3646	SUBIMI EQU TUBIMI . IMPLICIT INVITE TO SUB
	0020	3647	SUBIPS EQU TUBIPS . INVITE DONE BY PREVIOUS STEP
	0010	3648	SUBIARF EQU TUBIARF . AUTO-PRUF INVITE
			3649 * BITS 4-7 NOT DEFINED
	0038	3651	SUBLIN EQU TUBATTR4 LINE NUMBER OF SESSION
	0000	3653	SUBLINI EQU 0 . LINE NUMBER FOR INTRA SUBSYSTEM
	0001	3654	SUBLINI EQU 1 . LINE NUMBER 1
	0002	3655	SUBLINZ EQU 2 . LINE NUMBER 2
	0039	3657	SUBATTR5 EQU TUBATTR5 ATTRIBUTE 5
	0020	3659	SUBEOXR EQU TUBLOP . END OF TRANSACTION CODE RECEIVED
	0004	3660	SUBREL EQU TUBREL . SESSION RELEASED
	0002	3661	SUBSRQ EQU TUBSRQ . SRT RELEASED REQUESTOR
	0001	3662	SUBABTRM EQU TUBABTRM . CALL TERMINATION PRIOR TO RELEASE
			3663 * OTHER 4 BITS ARE NOT DEFINED

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ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
	0080	1923	SCAMBSCA EQU X'80' . BSCA
	0020	1924	SCAMSRJE EQU X'20' . SRJE
	0040	1925	SCAMRJE EQU X'40' . MRJE
	0010	1926	SCAMRNA EQU X'10' . RNA
	0008	1927	SCAMRMS EQU X'08' . RMS
	0001	1928	SCAMRMS EQU X'01' . RMS

#SVAT TCB ATTACH TRANSIENT	01
ERR LOC OBJECT CODE	02
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#SVAT TCB ATTACH TRANSIENT	01
ERR LOC OBJECT CODE	02
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#SVAT TCB ATTACH TRANSIENT		PAGE 83 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		003A 3665 SUBATTR6 EQU	TUBATTR6 ATTRIBUTE BYTE 6
03	0080 3667 SUBRAHD EQU	TUBUSUP	. READ AHEAD DONE
	0040 3668 SUBO412 EQU	TUBUSSV	. 0411/12 RETURN CODE GIVEN
	0020 3669 SUBRQCD EQU	TUBSYLST	. RQCD RECEIVED IN READ AHEAD MODE
04	0004 3670 SUBNCOM EQU	TUBSRILK	. NON-COMMUNICATING SESSION.
	0008 3671 SUBMRDTA EQU	TUBMRDTA	. MRT PROC WITH DATA ENTERED
		3672 *	BITS 3 AND 5-7 UNUSED
05		3674 *	TWO UNUSED BYTES
06	003E 3676 SUBAPRNT EQU	TUBAPRNT	ID OF ASSOCIATED PRINTER
	0041 3677 SUBDSK@ EQU	SUBAPRNT+3	SSS VALUE OF PREALLOCATED DISK AREA
	0043 3678 SUBRECL EQU	SUBDSK@+2	MAXIMUM TRANSMISSION RECORD LENGTH
07	0045 3679 SUBXPRL EQU	SUBRECL+2	LENGTH OF ASSOCIATED PARM LIST
	0046 3681 SUBBFLG2 EQU	SUBXPRL+1	FLAG BYTE TWO
08	0080 3682 SUB\$FALV EQU	X'80'	. FAIL OPERATION IS VALID
	3683 *		THIS BIT IS SET ON BY THE SUBSYSTEM
	3684 *		TO INDICATE IF A FAIL OPERATION
	3685 *		IS VALID.
09	0040 3686 SUB\$INV EQU	X'40'	OPERATION IS WITH INVITF
10		3688 *	BITS 1-7 NOT DEFINED
11	0048 3690 SUBLENGH EQU	72	LENGTH OF A SUB
	3691 ***		END OF EXPANSION **

#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR	STMT
02		36	
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03		0001 36	
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04		0002 36	
		0004 37	
		0000 37	
05		0040 37	
		0000 37	
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06		37	
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		0000 37	
07		0001 37	
		0002 37	
		0003 37	
08		0004 37	
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09		0006 37	
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		0008 37	
		0009 37	
10		000A 37	
		000B 37	
		000C 37	
11		000C 37	
		0017 37	
		0022 37	
12		37	
		002D 37	
		002E 37	
13		002F 37	
		0030 37	
		0031 37	
14		37	
		0037 37	
		0038 37	
15		0039 37	
		37	
		37	
16		37	
		37	
17		0000 37	
		0001 37	
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18		0014 37	
		0008 37	
		37	
19		000E 37	
		000F 37	
		000F 37	
20		0018 37	

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#SVAT TCB ATTACH TRANSIENT		PAGE 47 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	002F 1977 SCACONFG EQU	SCADSS10+2	2 SS OF CONFIGURATION RECORD
	1978 *		
03	0031 1979 SCASHIST EQU	SCACONFG+2	2 START SS OF HISTORY FILE
	0033 1980 SCASHF\$12 EQU	SCASHIST+2	2 SIZE OF HISTORY FILE

#SVAT TCB ATTACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR
02		005C
		0080
03		0040
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
		3693 *		TWAEQ	00850000
		3694 *			
		3695 *		GENERAL TASK WORK AREA ACCESS EQUATES	
		3696 *			
	0001	3697	TWAPUT	EQU X'01'	PUT TO TASK WORK AREA
	0000	3698	TWAGET	EQU X'00'	GET FROM TASK WORK AREA
	0002	3699	TWASYS	EQU X'02'	SYSTEM REQUEST (XRI = TCB a)
	0004	3700	TWASWA	EQU X'04'	USE WORKSTATION WORK AREA
	0000	3701	TWATWA	EQU X'00'	USE ALLOCATED TASK WORK AREA
	0040	3702	TWAREAL	EQU X'40'	DATA AREA IN REAL STORAGE
	0000	3703	TWAXLATE	EQU X'00'	DATA AREA IN TRANSLATED STORAGE
		3704 *			
		3705 *		WORKSTATION WORK AREA - ONE PER COMMAND WORKSTATION	
		3706 *			
	0000	3707	TPP#EOV	EQU 0	TAG 0 - SAVE AREA FOR RD EOV
	0001	3708	TWAPPS12	EQU 1	TAG 1 - PROCEDURE PARM SAVE AREA
	0002	3709	TWAPPS34	EQU 2	TAG 2 - PROCEDURE PARM SAVE AREA
	0003	3710	TWAPPS56	EQU 3	TAG 3 - PROCEDURE PARM SAVE AREA
	0004	3711	TWAPPS78	EQU 4	TAG 4 - PROCEDURE PARM SAVE AREA
	0005	3712	TWAPPS9A	EQU 5	TAG 5 - PROCEDURE PARM SAVE AREA
	0006	3713	TWAPPSBC	EQU 6	TAG 6 - PROCEDURE PARM SAVE AREA
	0007	3714	TWAPPSDE	EQU 7	TAG 7 - PROCEDURE PARM SAVE AREA
	0008	3715	TWAPPSFO	EQU 8	TAG 8 - PROCEDURE PARM SAVE AREA
	0009	3716	TWAPLCL	EQU 9	TAG 9 - LOCAL AREA
	000A	3717	TWAPINS	EQU 10	TAG 10- SYSIN SAVE AREA
	000B	3718	TWAPMSA	EQU 11	TAG 11- MRT DATA SAVE AREA
	000C	3719	TWAPSAVE	EQU 12	TAG 12- SAVE/RESTORE AREA (LENGTH-33)
	000C	3720	TWAPUSER	EQU 12	. USER SAVE AREA (12-22)
	0017	3721	TWAPINQ	EQU 23	. INQUIRY SAVE AREA (23-33)
	0022	3722	TWAPLGI0	EQU 34	. LOGICAL I/O RESERVED AREA (34-44)
		3723 *		44	TAG 44- END OF SAVE/RESTORE AREAS
	002D	3724	TWAPUSSS	EQU 45	TAG 45- WORK STATION CONFIGURATION
	002E	3725	TWAPCOMM	EQU 46	TAG 46- COMMUNICATIONS CONFIGURATION
	002F	3726	TWAPLOGR	EQU 47	TAG 47- SYSLOG RESPONSE DATA
	0030	3727	TWAPLOGC	EQU 48	TAG 48- SYSLOG COMMUNICATIONS TO CONSOLE
	0031	3728	TWAPTKMQ	EQU 49	TAG 49- TASK MESSAGE QUEUE AREA
		3729 *		54	TAG 54- END OF MESSAGE QUEUE AREA
	0037	3730	TWAPDCLC	EQU 55	TAG 55- OCL COMMAND SAVE AREA
	0038	3731	TWAPXLAT	EQU 56	TAG 56- TRANSLATE TABLE AREA
	0039	3732	TWAPRRMG	EQU 57	TAG 57- DUAL MESSAGE ROUTING AREA
		3733 *		58	TAG 58- RESERVED THRU 59
		3734 *			
		3735 *		COMMAND PROCESSOR TAGS	
		3736 *			
	0000	3737	TWAPNUSE	EQU 00	TAG 00- NOT USED
	0001	3738	TWAPSCO1	EQU 01	TAG 01- SYSTEM CONSOLE IMAGE
		3739 *		07	TAG 07- END
	0014	3740	TWAPCEND	EQU 20	NUMBER OF IMAGES
	0008	3741	TWAPMQ01	EQU 08	TAG 08- MESSAGE QUEUE
		3742 *		13	TAG 13- END OF MESSAGE QUEUE TAGS
	000E	3743	TWAPCUR1	EQU 14	TAG 14- CURRENT SYSTEM PRINTER IMAGE
	000F	3744	TWAPSCSV	EQU 15	TAG 15- SYSTEM CONSOLE SAVE/RESTORE AREAS
	000F	3745	TWAPCNLS	EQU 15	. CONSOLE SAVE AREA (15-26)
	001B	3746	TWAPJSSA	EQU 27	. WORKSTATION SAVE AREA (27-38)

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
	005C	2031	SCASYS2	EQU SCASYS1+1	1 SYSTEM CONFIGURATION BYTE 6
	008D	2032	SCAMATBS	EQU X'80'	. X'80' - COMM TASK BEING ASSIGNED
	0010	2033	SCAMPLUS	EQU X'00'	. X'00' - COMM TASK BEING ASSIGNED

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13		\$AIDTDR C 001 0001 3809 465
14		\$AIDPRNT C 001 00F6 3776
15		\$AIDRECO C 001 00FE 3811
16		\$AIDREDY C 001 00FA 3782
17		\$AIDRLDN C 001 00F4 3775
18		\$AIDRLSE C 001 00FF 3810
19		\$AIDRLUP C 001 00F5 3774
20		\$AIDSYRQ C 001 00F0 3773
		\$AIDTEST C 001 003D 3796
		\$ATACHER C 001 0001 0247 439
		\$ATBATCH C 001 0090 0233
		\$ATCOMMON C 001 0040 0241 425
		\$ATCREAT C 001 0080 0220 023
		\$ATDATA C 001 0008 0226 023
		\$ATDATA@ C 001 0018 0249 025
		\$ATERRO1 C 001 0001 0256 442
		\$ATERRO2 C 001 0002 0257 445
		\$ATERRO3 C 001 0003 0259 444
		\$ATERRO4 C 001 0004 0262 423
		\$ATERRO5 C 001 0005 0263 451

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#SVAT TCB ATTACH TRANSIENT		PAGE 85 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
00850000	0027 3747	TWAX*STAT EQU 39	. STATUS SAVE AREA (39-50)		
	0033 3748	TWAX*ERPS EQU 51	TAG 51- I/O ERP SAVE AREA FOR MSG BUILD		
	3749 *	52	TAG 52- RESERVED THRU 59		
	003C 3750	TWAX*CSMQ EQU 60	TAG 60- CONSOLE SYSLOG MESSAGE QUEUE.		
	3751 *	119	TAG 119- END OF CONSOLE MESSAGE QUEUE.		
	3752 *				
	3753 *		TWA EXTENSION ELEMENT EQUATES		
	3754 *				
	0002 3755	TWAXMAP EQU 02	TWA AVAILABLE TRACKS MAP		
	0003 3756	TWAXMAPL EQU 03	LENGTH OF MAP FIELD		
	0004 3757	TWAXNEXT EQU TWAXMAP+2	CHAIN FIELD		
	0006 3758	TWAXSS EQU TWAXNEXT+2	DISK ADDRESS OF THIS ELEMENT		00F1 3
	0007 3759	TWAXN EQU TWAXSS+1	CONTAINS LENGTH OF MAP FIELD		00F0 3
	0008 3760	TWAXLEN EQU TWAXN+1	LENGTH OF TWA		00F5 3
	3761 ***		END OF EXPANSI.!! **		00F4 3
					00F6 3
					00F3 3
					00F8 3
					00FB 3
					00B0 3
					00F2 3
					00FA 3
					00F2 3
					0031 3
					0032 3
					0033 3
					0034 3
					0035 3
					0036 3
					0037 3
					0038 3
					0039 3
					003A 3
					003B 3
					003C 3
					003D 3
					00B1 3
					00B2 3
					00B3 3
					00B4 3
					00B5 3
					00B6 3
					00B7 3
					00B8 3
					00B9 3
					00BA 3
					00BB 3
					00BC 3
					0001 3
					00FF 3
					00FE 3
					00FC 3

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#SVAT TCB ATTACH TRANSIENT		PAGE 49 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
	0040 2085	SCAMCOUT EQU X'40'	. CONSOLE READY TO OUTPUT MESSAGE		0008
	0020 2086	SCAMHELP EQU X'20'	. HELP FEATURE ACTIVE IR31		0004
	0010 2087	SCAMCPAF EQU X'10'	. C. P. WSQS ASSGN FAILURE IR31		0002

13	\$AIDINQY C 001 00F2 3783				
	\$AIDIOER C 001 0001 3809 4655				
	\$AIDPRINT C 001 00F6 3776				
	\$AIDRBKS C 001 00F8 3778				
14	\$AIDRECO C 001 00FE 3811				
	\$AIDREDY C 001 00FA 3782				
	\$AIDRLDN C 001 00F4 3775				
15	\$AIDRLSE C 001 00FF 3810				
	\$AIDRLUP C 001 00F5 3774				
	\$AIDSYRQ C 001 00F0 3773				
16	\$AIDTEST C 001 003D 3796				
	\$ATACHER C 001 0001 0247 4390 4690				
	\$ATBATCH C 001 0090 0233				
17	\$ATCOMMON C 001 0040 0241 4252				
	\$ATCREAT C 001 0080 0220 0231 0232 0233				
	\$ATDATA C 001 0008 0226 0231 4717				
18	\$ATDATA2 C 001 0018 0249 0250 4528 4723				
	\$ATERRO1 C 001 0001 0256 4421				
	\$ATERRO2 C 001 0002 0257 4456				
19	\$ATERRO3 C 001 0003 0259 4448				
	\$ATERRO4 C 001 0004 0262 4232				
	\$ATERRO5 C 001 0005 0263 4514				
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13	\$LDDRLD C 001 0008 1575				
	\$LDDSS C 001 0002 1571				
	\$LDDSTR C 001 0007 1574				
	\$LDDTEXT C 001 0003 1572				
14	\$LDDTOT C 001 0009 1577				
	\$LDFETCH C 001 0004 1589				
	\$LDMFCHA C 001 0006 1601				
15	\$LDMFCH C 001 0004 1600				
	\$LDMLOAD C 001 0002 1598				
	\$LDMSFCH C 001 000E 1602				
16	\$LDMSLD C 001 000A 1599				
	\$LDMSSLD C 001 0001 1597				
	\$LDMSLAD C 001 0001 1587				
17	\$LDSFCH C 001 0008 1590				
	\$LDTOADR C 001 0002 1588				
	\$TRBDATE C 001 0000 2836				
18	\$TRBFLG1 C 001 0000 2830				
	\$TRBFLG2 C 001 0001 2832				
	\$TRBLEN C 001 000E 2838				
19	\$TRBTIME C 001 0007 2834				
	\$WSALARM C 001 0004 3827				
20	\$WSBLCUR C 001 0010 3825				

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#SVAT	TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	PAGE	86	V09/11/81	12/08/81	21:28
01											
02					3763 *	\$WSEQ				00870000	
03					3764 *						
03					3765 *						
03					3766 *	EQUATES FOR WORK STATION VALUES					
03					3767 *						
03					3768 *						
04											
05					3770 *	AID BYTES					
06					00F1 3772 \$AIDENTR EQU X'F1'	ENTER/RECORD ADVANCE					
06					00F0 3773 \$AIDSYRQ EQU X'F0'	SYSTEM REQUEST					
06					00F5 3774 \$AIDRLUP EQU X'F5'	ROLL UP					
07					00F4 3775 \$AIDRLDN EQU X'F4'	ROLL DOWN					
07					00F6 3776 \$AIDPRINT EQU X'F6'	PRINT KEY					
07					00F3 3777 \$AIDHELP EQU X'F3'	HELP KEY (NON-ERROR MODE)					
08					00F8 3778 \$AIDRBKS EQU X'F8'	RECORD BACKSPACE KEY					
08					00FB 3779 \$AIDHLE EQU X'FB'	HELP KEY IN ERROR MODE					
08					00BD 3780 \$AIDCLER EQU X'BD'	CLEAR KEY					
09					00F2 3781 \$AIDATTN EQU X'F2'	ATTENTION/INQUIRY KEY					
09					00FA 3782 \$AIDREDY EQU X'FA'	NOT READY-->READY TRANSITION AID					
09					00F2 3783 \$AIDINQY EQU X'F2'	ATTENTION/INQUIRY KEY					
10					0031 3784 \$AIDCM01 EQU X'31'	COMMAND KEY 1					
10					0032 3785 \$AIDCM02 EQU X'32'	COMMAND KEY 2					
10					0033 3786 \$AIDCM03 EQU X'33'	COMMAND KEY 3					
11					0034 3787 \$AIDCM04 EQU X'34'	COMMAND KEY 4					
11					0035 3788 \$AIDCM05 EQU X'35'	COMMAND KEY 5					
11					0036 3789 \$AIDCM06 EQU X'36'	COMMAND KEY 6					
12					0037 3790 \$AIDCM07 EQU X'37'	COMMAND KEY 7					
12					0038 3791 \$AIDCM08 EQU X'38'	COMMAND KEY 8					
12					0039 3792 \$AIDCM09 EQU X'39'	COMMAND KEY 9					
13					003A 3793 \$AIDCM10 EQU X'3A'	COMMAND KEY 10					
13					003B 3794 \$AIDCM11 EQU X'3B'	COMMAND KEY 11					
13					003C 3795 \$AIDCM12 EQU X'3C'	COMMAND KEY 12					
14					003D 3796 \$AIDTEST EQU X'3D'	TEST REQUEST KEY					
14					0081 3797 \$AIDCM13 EQU X'81'	COMMAND KEY 13					
14					0082 3798 \$AIDCM14 EQU X'82'	COMMAND KEY 14					
15					0083 3799 \$AIDCM15 EQU X'83'	COMMAND KEY 15					
15					0084 3800 \$AIDCM16 EQU X'84'	COMMAND KEY 16					
15					0085 3801 \$AIDCM17 EQU X'85'	COMMAND KEY 17					
16					0086 3802 \$AIDCM18 EQU X'86'	COMMAND KEY 18					
16					0087 3803 \$AIDCM19 EQU X'87'	COMMAND KEY 19					
16					0088 3804 \$AIDCM20 EQU X'88'	COMMAND KEY 20					
17					0089 3805 \$AIDCM21 EQU X'89'	COMMAND KEY 21					
17					008A 3806 \$AIDCM22 EQU X'8A'	COMMAND KEY 22					
17					008B 3807 \$AIDCM23 EQU X'8B'	COMMAND KEY 23					
18					008C 3808 \$AIDCM24 EQU X'8C'	COMMAND KEY 24					
18					0001 3809 \$AIDIOER EQU X'01'	I/O ERROR OCCURRED					
18					00FF 3810 \$AIDRLSE EQU X'FF'	PSEUDO RELEASE AID					
19					00FE 3811 \$AIDRECO EQU X'FE'	PSEUDO RECOVERY AID FOR CP					
19					00FC 3812 \$AIDGAIJ EQU X'FC'	GAIJI ENTER AID					
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#SVAT	TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	PAGE	50	V09/11/81	12/08/81	21:28
01											
02					0008 2139 SCAMPMS EQU X'08'	DISPLAY ADDR COMPARE DUMP MESSAGE					
02					0004 2140 SCAMPDR EQU X'04'	ADDRESS COMPARE DUMP MSG TAKEN					

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12	\$LDDLK C 001 0005 1573 1574 4255* 4261 4262
	\$LDDLK C 001 0008 1578 1579 4243*
	\$LDDLK C 001 0008 1575 1577 4246*
13	\$LDDSS C 001 0002 1571 1572
	\$LDDSTR C 001 0007 1574 1575 4244* 4254 4522
	\$LDDTEXT C 001 0003 1572 1573 4242* 4276
14	\$LDDTOT C 001 0009 1577 1578 4245*
	\$LDFETCH C 001 0004 1589 1600
	\$LDMFCHA C 001 0006 1601 1602
	\$LDMFCH C 001 0004 1600 1601
	\$LDMLOAD C 001 0002 1598 1599
	\$LDMSFCH C 001 000E 1602
16	\$LDMSLD C 001 000A 1599 5103
	\$LDMSSLD C 001 0001 1597
	\$LDRELAD C 001 0001 1587 1597
17	\$LDSFCH C 001 0008 1590 1599 1602
	\$LDTOADR C 001 0002 1588 1598 1601
	\$TRBDATE C 001 000D 2836 2838
18	\$TRBFLG1 C 001 0000 2830 2832
	\$TRBFLG2 C 001 0001 2832 2834
	\$TRBLEN C 001 000E 2838
19	\$TRBTIME C 001 0007 2834 2836 4751 4752 4753 4754 4755 4756
	\$WSALARM C 001 0004 3827
20	\$WSBLCUR C 001 0010 3825

12	ACEMAB C 001 0005 0079 0080
	ACEMASK C 001 00FE 0095 4604
	ACEMASCL C 001 0080 0084 4604
13	ACEMWAIT C 001 0008 0090
	ACEPARM1 C 001 0006 0080 0081
	ACEPARM2 C 001 0007 0081 0082
14	ACEPARM3 C 001 0008 0082 0083
	ACEPRIV C 001 0040 0086 4604
	ACEQUES C 001 0001 0094
15	ACETCB0 C 001 000F 0098 0099
	ACETYPE C 001 0009 0083 0096
	ACEXLOFF C 001 0004 0093 4604
16	ACEXR1 C 001 0008 0096 0097
	ACEXR2 C 001 000D 0097 0098
	ACE1 C 001 0001 4143 4588
17	ACE2 C 001 0002 4144 4591*
	ACSHAD C 001 001A 0187
	ACSHADCH C 001 002C 0147
18	ACSHCACH C 001 0014 0135
	ACSHCOMB C 001 00F7 0213
	ACSHSCQ C 001 0042 0177
19	ACSHCKX C 001 0013 0200
	ACSHDISK C 001 0060 0145
20	ACSHIECS C 001 001F 0212

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#SVAT TCB ATTACH TRANSIENT PAGE 87 V09/11/81 12/08/81 21:28

#SVAT TCB ATTACH TRANSIENT

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	00870000	
03	*	3815 *
	*	3816 * TWO BYTE WRITE CONTROL CHARACTER
	*	3817 *
04		00C0 3819 \$WSERASE EQU X'CO' VALUE TO ERASE INPUT FIELDS
		0040 3820 \$WSRSMOT EQU X'40' VALUE TO RESET ALL MOT BITS
05		3821 * BITS 2-7 NOT USED (MUST BE ZERO)
		0080 3822 \$WSRBLDS EQU X'80' RESET BLINKING DISPLAY
06		0040 3823 \$WSBLDIS EQU X'40' BLINK THE DISPLAY
		0020 3824 \$WSRBLCR EQU X'20' RESET BLINKING CURSOR
		0010 3825 \$WSBLCUR EQU X'10' BLINK THE CURSOR
07		0008 3826 \$WSUNLCK EQU X'08' UNLOCK (RESET) THE KEYBOARD
		0004 3827 \$WSALARM EQU X'04' SOUND AUDIBLE ALARM
		0002 3828 \$WSRMSG EQU X'02' RESET MESSAGE WAITING LIGHT
08		0001 3829 \$WSMSG EQU X'01' SET MESSAGE WAITING LIGHT
09		3831 * SCREEN ATTRIBUTE BITS
		3832 *
		3833 *
10		0001 3835 \$WSRVING EQU X'01' REVERSE IMAGE
		0002 3836 \$WSHINT EQU X'02' HIGH INTENSITY FIELD
11		0004 3837 \$WSUNSCR EQU X'04' UNDERSCORE FIELD
		0008 3838 \$WSBLINK EQU X'08' BLINK THE FIELD
		0010 3839 \$WSCLMRK EQU X'10' COLUMN MARK FIELD
12		0007 3840 \$WSNDIS EQU X'07' NON-DISPLAY FIELD
		3841 *
13		3842 * THE FOLLOWING IS A DESCRIPTION OF THE FIELD FORMAT WORDS THAT
		3843 * FOLLOW THE SF ORDER FOR INPUT FIELDS. THEY OCCUR IN PAIRS AS
		3844 * FOLLOWS:
14		3845 * (FW1)(FW2) OR,
		3846 * (FW1)(FW2)(RSEQ)(RSEQ*) OR,
		3847 * (FW1)(FW2)(MODUL)(MOD10) OR,
15		3848 * (FW1)(FW2)(MODUL)(MOD11) OR,
		3849 * (FW1)(FW2)(RSEQ)(RSEQ*)(MODUL)(MOD10) OR,
		3850 * (FW1)(FW2)(RSEQ)(RSEQ*)(MODUL)(MOD11)
16		3851 * FIELD BITS BIT DESCRIPTION OR VALUE
		3852 * FW1 0-1 01
		3853 * 2 BYPASS FIELD
17		3854 * 3 DUP ALLOWED
		3855 * 4 MOT BIT (ON IF 1, OFF IF 0)
		3856 * 5-7 MATRIX OF VALUES
18		3857 * 000 ALPHAMERIC
		3858 * 001 ALPHA ONLY (NO NUMERIC)
		3859 * 010 RESERVED
19		3860 * 011 NUMERIC ONLY
		3861 * 100 KATAKANA
		3862 * 101 OVERSTRIKE CHARACTER ALLOWED
20		

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		386
		386
03		386
		386
		386
04		387
		387
05		387
		387
06		387
		387
07		387
		387
08		388
		388
		388
09		388
		388
		388
10		388
		388
11		388
		388
12		388
		388
13		388
		388
14		388
		388
15		388
		388
16		388
		388
17		388
		388
18		388
		388
19		388
		388
20		388

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#SVAT TCB ATTACH TRANSIENT PAGE 51 V09/11/81 12/08/81 21:28

#SVAT TCB ATTACH TRANSIENT

01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
----	---------------------	----------------------------

14	ACEPARAM2 C 001 0007 0081 0082
	ACEPARAM3 C 001 0008 0082 0083
	ACEPRIV C 001 0040 0086 4604
	ACEQUITES C 001 0001 0094
15	ACETCBa C 001 000F 0098 0099 4588* 4598 4602 4602 4602* 4621
	ACETYPE C 001 0009 0083 0096 4604*
	ACEXLOFF C 001 0004 0093 4604
16	ACEXR1 C 001 000B 0096 0097 4603* 4629
	ACEXR2 C 001 000D 0097 0098
	ACE1 C 001 0001 4143 4588 4591 4597* 4598 4602 4602 4603 4604 4621 4629
17	ACE2 C 001 0002 4144 4591* 4597
	ACSHAD C 001 001A 0187
	ACSHBDCH C 001 002C 0147
18	ACSHCACH C 001 0014 0135
	ACSHCOMB C 001 00F7 0213
	ACSHCSCQ C 001 0042 0177
19	ACSHCX C 001 0013 0200
	ACSHDISK C 001 0060 0145
20	ACSHWCS C 001 001F 0212

14	ACSHWCS C 001 0044 0133
	ADACTIVE C 001 0004 0427
	ADCOMPRQ C 001 0001 0652
15	ADCFIND C 001 0002 0651
	ADCMATCH C 001 0010 0648 0
	ADCREAL C 001 0040 0646 0
16	ADCRESET C 001 00FC 0655
	ADCTASK C 001 0080 0645 0
	ADCTBF C 001 0004 0650 0
17	ADCTBN C 001 0008 0649 0
	ADCVRFY C 001 0020 0647 0
	ADEXIT C 001 0080 0421
18	ADINQRY C 001 0020 0423
	ADITRMOD C 001 0002 0428
	ADRDSTMP C 001 0020 0437
19	ADSC0960 C 001 0040 0436
	ADSTOPN C 001 0080 0435
20	ADSTPMOD C 001 0001 0429

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT
02		3864 *	110	RESERVED
		3865 *		SIGNED NUMERIC
		3866 *	FW2 0	AUTO ENTER WHEN FIELD IS EXITED
03		3867 *	1	FIELD EXIT REQUIRED
		3868 *	2	FORCE UPPERCASE ALPHA
		3869 *	3	RESERVED
04		3870 *	4	MANDATORY ENTER
		3871 *	5-7	MATRIX OF VALUES
		3872 *	000	NO ADJUST
05		3873 *	001	RESERVED
		3874 *	010	RESERVED
		3875 *	011	RESERVED
06		3876 *	100	RESERVED
		3877 *	101	RIGHT ADJUST ZERO FILL
		3878 *	110	RIGHT ADJUST BLANK FILL
07		3879 *	111	MANDATORY FILL
		3880 *	RSEQ 0-7	10000000
08		3881 *	RSEQ# 0-7	SEQUENCE NUMBER OF NEXT INPUT FIELD
		3882 *	MODUL 0-7	10110001
		3883 *	MOD10 0-7	10100000
09		3884 *	MOD11 0-7	01000000
		3885 *		
		3886 *		END OF EXPANSION
		3887 ***		END OF EXPANSION **
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

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ERR LOC	OBJECT CODE	ADDR
01		#SVAT TCB ATTACH TRANSIENT
02		
03		
04		
05		0001
06		0000
		0001
		0002
07		0006
		0008
		0011
08		0014
		0018
		0024
09		0028
		0032
		0034
10		0038
		0040
		0044
11		0045
		0046
		0048
12		0050
		0051
		0052
13		0056
		0080
		0084
14		
15		0002
16		0080
		0040
		0040
		0020
17		0020
		0010
		0008
18		0008
		0006
		0004
19		0004
		0002
20		0001

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAT TCB ATTACH TRANSIENT
02		2247 *	EQU X'01'	RESERVED
		2248 *		
03		00A8 2249	SCADCFG9 EQU SCADCFG8+1	1 REMOTE CONFIGURATION BYTE
		0080 2250	SCAMPWSA EQU X'80'	1 REMOTE WORK STATIONS ACTIVE
		2251 *		FOR THIS IPL

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ERR LOC	OBJECT CODE	ADDR
01		#SVAT TCB ATTACH TRANSIENT
02		000
03		004
		002

13	ACSWAISTS C 001 002F 0211
14	ACSWAISTV C 001 0044 0133 4635
	ACSWAISTT C 001 004F 0210
	ADACTIVE C 001 0004 0427
15	ADCOMPREQ C 001 0001 0652
	ADCFFOUND C 001 0002 0651
	ADCMATCH C 001 0010 0648 0655
	ADCREAL C 001 0040 0646 0655
16	ADCRESET C 001 00FC 0655
	ADCTASK C 001 0080 0645 0655
	ADCTBF C 001 0004 0650 0655
17	ADCTBN C 001 0008 0649 0655
	ADCVERIFY C 001 0020 0647 0655
	ADEXIT C 001 0080 0421
18	ADINQURY C 001 0020 0423
	ADITRMOD C 001 0002 0428
	ADRSTMP C 001 0020 0437
19	ADSCO960 C 001 0040 0436
	ADSTOPN C 001 0080 0435
20	ADSTPMOD C 001 0001 0429

13	ASGNRTRY C 001 000F 0476
	ASGNSEQ C 001 0020 0473
14	ASGNMTR C 001 0008 0475
	ATALLSZ A 003 00DC 5005 4694
	ATALSZ A 001 0F81 5073 4477
15	ATCONONE A 001 0FBA 5088 4288
	ATCONB A 001 0FB5 5085 5088
	ATCX0800 A 001 0FB6 5087 4288
16	ATERORR A 001 0E12 4916 4233
	ATE0030 A 003 0E32 4925 4922
	ATE0050 A 003 0E41 4940 4922
	ATE0060 A 004 0E4A 4946 4915
17	ATE0070 A 004 0E53 4948 4947
	ATMAP A 002 0FB0 5082 4808
18	ATMCDED A 001 0FD2 5110 5111
	ATMCODE A 001 0FBF 5101 4788
	ATMLN C 001 0013 5111 4814
19	ATMOFF C 001 0007 5108 4788
	ATMPRM A 001 0FC6 5107 5108
20	ATPRL A 002 0FB4 5084 4521

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#SVAT	TCB	ATTACH	TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01									
02				3889	*		WSPL		00883000
03				3891	*				
				3892	*			PARAMETER LIST EQUATES FOR	
04				3893	*			SYSTEM REQUESTS TO WORK STATION DATA MANAGEMENT	
				3894	*				
05				0001	3896	WORTC	EQU	0+1	EXTERNAL RETURN CODE
06				0000	3898	WDROK	EQU	X'00'	OPERATION SUCCESSFUL
				0001	3899	WDRAAC	EQU	X'01'	ACCEPT SUCCESSFUL TO REQUESTOR
07				0002	3900	WDRSTP	EQU	X'02'	STOP REQUESTED BY SYSTEM OPERATR
				0006	3901	WDRSTD	EQU	X'06'	STOP REQUESTED WITH DATA AVAIL.
				0008	3902	WDRAQD	EQU	X'08'	ACQUIRE OK TO OWNED TERMINAL
08				0011	3903	WDRACR	EQU	X'11'	ACCEPT REJECTED- NO INVITES
				0014	3904	WDKBD	EQU	X'14'	INPUT REJECTED-KEYBOARD DISABLED
				0018	3905	WDRAFW	EQU	X'18'	ACQUIRE FAILED TEMPORARILY
09				0024	3906	WDRNAV	EQU	X'24'	WORK STATION RELEASED HIMSELF
				0028	3907	WDREL	EQU	X'28'	RELEASE OF SRT REQUESTOR-REJECT
				0032	3908	WDRAFS	EQU	X'32'	ACQUIRE FAILED-SECURITY
10				0034	3909	WDRIRJ	EQU	X'34'	INPUT REJECTED-BUFFER TOO SMALL
				0038	3910	WDRAFV	EQU	X'38'	ACQUIRE FAILED-NON-WAITABLE
				0040	3911	WDROFL	EQU	X'40'	WORK STATION OFFLINE
11				0044	3912	WDRSPF	EQU	X'44'	STOP INVITE FAILED-DATA AVAIL.
				0045	3913	WDPOGE	EQU	X'45'	INVALID GJI DURING PRINT OP.
				0046	3914	WDRPUN	EQU	X'46'	PRINT ISSUED FROM UNLOCKED KBD.
12				0048	3915	WDRPAL	EQU	X'48'	PRINTER ALLOCATED ON PRINT OP
				0050	3916	WDGRF	EQU	X'50'	2 OPT TAKEN ON GJI RAM FULL COND
				0051	3917	WDGRI	EQU	X'51'	2 OPT TAKEN ON INVALID GJI CODE
13				0052	3918	WDGRU	EQU	X'52'	2 OPT TAKEN ON UNDEF. GJI CODE
				0056	3919	WDSCJ	EQU	X'56'	READ SCREEN CMD REJECT. G..
				0080	3920	WDPE	EQU	X'80'	PERMANENT I/O ERROR OCCURRED
				0084	3921	WDRPEP	EQU	X'84'	PERM. I/O ERROR ON PUT-NO-WAIT
14									
15				0002	3923	WDOPM	EQU	WORTC+1	EXTERNAL OP-CODE MODIFIER
16				0080	3925	WDSYS	EQU	X'80'	SYSTEM REQUEST
				0040	3926	WDQVR	EQU	X'40'	OVERRIDE REQUEST
				0040	3927	WDFMHD	EQU	X'40'	FUNCTION MANAGEMENT HEADER
17				0020	3928	WDROL	EQU	X'20'	ROLL REQUEST
				0020	3929	WDPTH	EQU	X'20'	PASS THRU MODIFIER
				0010	3930	WDUNF	EQU	X'10'	UNFORMATTED REQUEST
18				0008	3931	WDPRN	EQU	X'08'	PRINT REQUEST
				0008	3932	WDORSN	EQU	X'08'	READ SCREEN MODIFIER
				0006	3933	WDWTER	EQU	X'06'	WRITE ERROR OPERATION
19				0004	3934	WDSAVE	EQU	X'04'	SAVE REQUEST
				0004	3935	WDORMD	EQU	X'04'	READ MODIFIED IMMEDIATE
				0002	3936	WDRSTR	EQU	X'02'	RESTORE REQUEST
20				0001	3937	WDRPRF	EQU	X'01'	PUT FOR READ UNDER FORMAT

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#SVAT	TCB	ATTACH	TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01									
02				2301	*				
				00C1	2302	SCADXM11	EQU	SCADXM1D-1	EXAM IDS 1-7
				2303	*				RESERVED

#SVAT	TCB	ATTACH	TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01									
02									
03									0003 3
04									0001 3
									0002 3
									0003 3
05									0004 3
									0005 3
									0006 3
06									0007 3
									0008 3
									0009 3
07									0009 3
									000A 3
									000C 3
08									000D 3
									000E 3
									0010 3
09									0012 3
									0013 3
									0016 3
10									0017 3
									0020 3
									0021 3
11									0025 3
									0040 3
									0041 3
12									0045 3
									0080 3
									0080 3
13									0088 3
									0085 3
									0081 3
14									0042 3
									0022 3
15									0012 3
									0017 3
									0013 3
16									001A 3
									0045 3
									0041 3
17									0032 3
									0020 3
									0025 3
18									0021 3
									0010 3
									0015 3
19									0011 3
									00E0 3
									00E8 3
20									00F0 3

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13	ASGNPAGE C 001 0010 0474	
	ASGNRTRY C 001 000F 0476	
	ASGNSEQ C 001 0020 0473	
14	ASGNMATR C 001 0008 0475	
	ATALLSZ A 003 0EDC 5005 4694* 4697* 4923* 4985 4996*	
	ATALSIZ A 001 0F81 5073 4478 4536* 4694 4964* 4969* 5031 5038 5054 5060* 5065	
15	ATCONONE A 001 0F8A 5088 4286 4354 4488 4600 4759 4778 4805 4969	
	ATCON8 A 001 0FB5 5085 5087	
	ATCX0800 A 001 0FB6 5087 4287	
16	ATERROR A 001 0E12 4916 4231 4420 4447 4455 4468 4513 4539	
	ATE0030 A 003 0E32 4925 4922	
	ATE0050 A 003 0E41 4940 4926	
17	ATE0060 A 004 0E4A 4946 4919	
	ATE0070 A 004 0E53 4948 4947*	
	ATMAP A 002 0FB0 5082 4808	
18	ATMCDED A 001 0FD2 5110 5111	
	ATMCODE A 001 0FBF 5101 4788* 4814 5108 5111	
	ATMLEN C 001 0013 5111 4814 4814 4814*	
19	ATMOFF C 001 0007 5108 4788* 4819	
	ATMPRM A 001 0FC6 5107 5108	
	ATPMRL A 002 0FB4 5084 4521	
20		

13	AT000050 A 005 08C2 4286	
	AT000060 A 004 080B 4293	
	AT000100 A 003 090A 4327	
14	AT000110 A 005 091F 4334	
	AT000120 A 005 094C 4354	
	AT000125 A 003 095E 4359	
15	AT000130 A 004 0975 4366	
	AT000135 A 003 0980 4369	
	AT000140 A 004 098A 4372	
16	AT000150 A 003 098E 4373	
	AT000160 A 004 09A3 4379	
	AT000180 A 003 09A7 4389	
17	AT000185 A 004 09C9 4409	
	AT000190 A 004 09CD 4414	
	AT000195 A 004 09D8 4418	
18	AT000200 A 004 09DF 4420	
	AT000205 A 003 09E4 4422	
	AT000210 A 004 09FB 4436	
19	AT000220 A 003 0A11 4449	
	AT000225 A 003 0A17 4451	
	AT000230 A 003 0A1D 4453	
20		

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#SVAT	TCB	ATTACH	TRANSIENT	PAGE	90	V09/11/81	12/08/81	21:28
01	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT				
02	00883000		3938 *					
03		0003	3940	WDOPC EQU WOPM+1	EXTERNAL OP-CODE			
04		0001	3942	WIDGET EQU X'01'	INPUT OPERATION			
		0002	3943	WDPUT EQU X'02'	OUTPUT OPERATION			
		0003	3944	WDPTG EQU WIDGET+WDPUT	PUT THEN GET OPERATION			
05		0004	3945	WDNDW EQU X'04'	NO WAIT REQUEST			
		0005	3946	WDINV EQU WIDGET+WDNDW	INVITE INPUT OPERATION			
		0006	3947	WDPNW EQU WDPUT+WDNDW	PUT-NO-WAIT OPERATION			
06		0007	3948	WDPTI EQU WDPUT+WDINV	PUT THEN INVITE INPUT			
		0008	3949	WDACI EQU X'08'	ACCEPT INPUT			
		0009	3950	WDACQ EQU X'09'	ACQUIRE TERMINAL REQUEST			
07		0099	3951	WDSACQ EQU X'99'	SPECIAL ACQUIRE REQUEST			
		000A	3952	WDREL EQU X'0A'	RELEASE TERMINAL REQUEST			
		000C	3953	WDGTA EQU X'0C'	GET TERMINAL ATTRIBUTES			
08		000D	3954	WDEGTA EQU X'0D'	EXTENDED GET TERMINAL ATTRIBUTES			
		000E	3955	WDRDS EQU X'0E'	SPECIAL READ OPCODE			
		0010	3956	WDSTI EQU X'10'	STOP INVITE REQUEST			
09		0012	3957	WDSTP EQU WDSTI+WDPUT	STOP INVITE THEN PUT			
		0013	3958	WDSPG EQU WDSTI+WDPUT+WIDGET	STOP INVITE, PUT THEN GET			
		0016	3959	WDSPN EQU WDSTI+WDPNW	STOP INVITE, PUT-NO-WAIT			
10		0017	3960	WDSP1 EQU WDSTI+WDPUT+WDINV	STOP INVITE, PUT THEN INVITE			
		0020	3961	WDRES EQU X'20'	RESET KEYBOARD			
		0021	3962	WDRTG EQU WDRES+WIDGET	RESET THEN GET DATA			
11		0025	3963	WDRTI EQU WDRES+WDINV	RESET THEN INVITE INPUT			
		0040	3964	WDERS EQU X'40'	ERASE INPUT FIELDS			
		0041	3965	WDETG EQU WDERS+WIDGET	ERASE THEN GET DATA			
12		0045	3966	WDETI EQU WDERS+WDINV	ERASE THEN INVITE INPUT			
		0080	3967	WDCLR EQU X'80'	CLEAR THE SCREEN			
		0080	3968	WDEVK EQU X'80'	EVOKE			
13		0088	3969	WDEVE EQU X'88'	EVOKE END OF TRANSACTION			
		0085	3970	WDEVI EQU X'85'	EVOKE INVITE			
		0081	3971	WDEVG EQU X'81'	EVOKE GET			
14		0042	3972	WDPEC EQU X'42'	PUT END OF CHAIN			
		0022	3973	WDPEF EQU X'22'	PUT END OF FILE			
		0012	3974	WDFMH EQU X'12'	PUT FUNCTION MGMT HEADER			
15		0017	3975	WDFMI EQU X'17'	PFM INVITE			
		0013	3976	WDFMG EQU X'13'	PFM GET			
		001A	3977	WDPEX EQU X'1A'	PUT END OF TRANSACTION			
16		0045	3978	WDRCDI EQU X'45'	REQ. CHANGE DIR. INVITE			
		0041	3979	WDRCDG EQU X'41'	REQ. CHANGE DIR. GET			
		0032	3980	WDFAIL EQU X'32'	PUT FAIL RESPONSE			
17		0020	3981	WDNGRP EQU X'20'	NEGATIVE RESPONSE			
		0025	3982	WDNGRP! EQU X'25'	NEGATIVE RESPONSE INVITE			
		0021	3983	WDNGRPG EQU X'21'	NEGATIVE RESPONSE GET			
18		0010	3984	WDCANL EQU X'10'	CANCEL			
		0015	3985	WDCANL! EQU X'15'	CANCEL INVITE			
		0011	3986	WDCANLG EQU X'11'	CANCEL GET			
19		00E0	3987	WDNEOS EQU X'E0'	NORMAL END OF STEP			
		00E8	3988	WDNEOJ EQU X'E8'	NORMAL END OF JOB			
20		00F0	3989	WDAEOS EQU X'F0'	ABNORMAL END OF STEP			

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#SVAT	TCB	ATTACH	TRANSIENT	PAGE	54	V09/11/81	12/08/81	21:28
01	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT				
02			2355 *		WITHIN THE INDIVIDUAL CONFIGURATION			
			2356 *		BYTES. EACH ENTRY IS TWO BYTES LONG.			
			2357 *		BYTE 0 - CEE LABEL 'UR1000M1'			

#SVAT TCB ATTACH TRANSIENT

#SVAT	TCB	ATTACH	TRANSIENT
01	ERR LOC	OBJECT CODE	
02			

13	AT000090 A 003 08C2 4288 4288
14	AT000060 A 004 08DB 4293 4291
	AT000100 A 003 090A 4327 4379
	AT000110 A 005 091F 4334 4332
	AT000120 A 005 094C 4354 4336
	AT000125 A 003 095E 4359 4371
15	AT000130 A 004 0975 4366 4364
	AT000135 A 003 0980 4369 4361 4367
	AT000140 A 004 098A 4372 4357*
16	AT000150 A 003 098E 4373 4356
	AT000160 A 004 09A3 4379 4346 4351 4353 4374 4377
	AT000180 A 003 09A7 4389 4328
17	AT000185 A 004 09C9 4409 4406
	AT000190 A 004 09CD 4414 4408
	AT000195 A 004 09D8 4418 4395 4415
18	AT000200 A 004 09DF 4420 4349
	AT000205 A 003 09E4 4422 4419
	AT000210 A 004 09FB 4436 4424
19	AT000220 A 003 0A11 4449 4442
	AT000225 A 003 0A17 4451 4432 4434
20	AT000230 A 003 0A1D 4453 4450

	BAS2 C 001 0002 4156 4979	
		5066
14	BATCOUNT C 001 0005 2785	
	BIT0 C 001 0080 0809	
15	BIT1 C 001 0040 0810	
	BIT2 C 001 0020 0811	
	BIT3 C 001 0010 0812	
16	BIT4 C 001 0008 0813	
	BIT5 C 001 0004 0814	
	BIT6 C 001 0002 0815	
17	BIT7 C 001 0001 0816	
	BLANK C 001 0040 0788	
	BUF1 C 001 0001 4161	
18	BUF2 C 001 0002 4162	
	CD1 C 001 0001 4137	
	CD2 C 001 0002 4138	
19	CP1 C 001 0001 4133	
	CP2 C 001 0002 4134	
20	CSB1 C 001 0001 4141	

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#SVAT TCB ATTACH TRANSIENT		PAGE 91 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02		00F8 3990 WDAEOJ EQU X'F8'	ABNORMAL END OF JOB
		00FF 3991 WDASFL EQU X'FF'	ICSSQS ASSIGN FAILURE
		000B 3992 WDS1MR EQU X'0B'	SET TIMER
03			
04		0005 3994 WDOU1L EQU WDOPC+2	OUTPUT LENGTH
		0005 3995 WDEFFL EQU WDOU1L	EFFECTIVE INPUT LENGTH
		0007 3996 WDRECA EQU WDEFFL+2	RECORD AREA ADDRESS
		0009 3997 WDTUB EQU WDRECA+2	TUB ADDRESS
05		000B 3998 WD960 EQU WDTUB+2	MASK FOR WHICH LINES TO DISPLAY aa022
		000C 3999 WDAID EQU WD960+1	AID BYTE ON INPUT OPERATIONS aa022
		000D 4000 WDTOPC EQU WDAID+1	INTERNAL OPERATION CODE
06			
07		00FF 4002 WDCPHLP EQU X'FF'	SPECIAL CMD PROC HIGH LEVEL HELP MIC
08		000D 4004 WDSRCT EQU WDTOPC	SAVE/RESTORE COUNT
09		0001 4006 WDSRO1 EQU X'01'	SAVE AREA 1 - MESSAGE/SYSLOG
		0002 4007 WDSRO2 EQU X'02'	SAVE AREA 2 - INQUIRY 1
		0003 4008 WDSRO3 EQU X'03'	SAVE AREA 3 - INQUIRY 2
		000B 4009 WDSRCN EQU X'0B'	SYSTEM CONSOLE SAVE AREA
10		0009 4010 WDSRCM EQU X'09'	CONSOLE MODE SAVE AREA
		000A 4011 WDSRCW EQU X'0A'	CONSOLE WORK STATION MODE SAVE AREA
11		000E 4013 WDRUPD EQU WDTOPC+1	ROLL FLAGS
12		0080 4015 WDRUP EQU X'80'	ROLL UP
		0040 4016 WDRDN EQU X'40'	ROLL DOWN
13		0020 4017 WDRCL EQU X'20'	CLEAR VACATED LINE(S)
14		000F 4019 WDPLNE EQU WDRUPD+1	NUMBER OF LINES TO ROLL
		0010 4020 WDSLNE EQU WDPLNE+1	START LINE NUMBER FOR ROLL
		0011 4021 WDLENE EQU WDSLNE+1	END LINE NUMBER FOR ROLL
15		0012 4022 WDVSLN EQU WDLENE+1	VARIABLE START LINE NUMBER
		0014 4023 WDINDA EQU WDVSLN+2	ADDRESS OF OVERRIDE INDICATORS
		0016 4024 WDFMTN EQU WDINDA+2	FORMAT INDEX ENTRY ADDRESS
16		0017 4025 WDLLEN EQU WDFMTN+1	PARAMETER LIST LENGTH
		4026 *** END OF EXPANSION **	
17			
18			
19			
20			

#SVAT TCB ATTACH TRANSIENT		PAGE 91 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02			4028
			4029
			4030
03			4031
			4032
			4033
04			
			4C35
			4C36
			4C37
05			
			0080 4C38
06			0040 4039
			0020 4040
			001C 4041
07			0020 4042
			0008 4043
			000F 4044
08			0008 4045
			0004 4046
			0002 4047
09			0001 4048
			4049
			4050
10			4051
			0000 4052
			0001 4053
			0002 4054
			0003 4055
			0004 4056
12			0005 4057
			0006 4058
			0007 4059
13			0008 4060
			0009 4061
			000A 4062
14			000B 4063
			000C 4064
			000D 4065
15			000E 4066
			000F 4067
			0010 4068
16			0011 4069
			0012 4070
			0013 4071
17			0014 4072
			0015 4073
			0016 4074
18			0017 4075
			0018 4076
			0019 4077
19			001A 4078
			001B 4079
20			001C 4080

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#SVAT TCB ATTACH TRANSIENT		PAGE 55 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02		2390 *	SVEQU 00750000
		2391 *	
		2392 *	SVC R-BYTE EQUATES
03			

#SVAT TCB ATTACH TRANSIENT		PAGE 55 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02			24
			0040 24
			0041 24
03			

13				5038	5038	5040	5040	5042	5042	5044	5044	5045	5045	5046	5047	5047
				5066	5067											
	BAS2	C 001	0002	4156	4979	4980*	4981	4983	4984	4985	4985	4987	4988	4988	4989	4990
14					4991	4991	4992	4993	4994	4996	4996	4997	5003			
	BATCOUNT	C 001	0005	2785												
	BIT0	C 001	0080	0809												
15	BIT1	C 001	0040	0810												
	BIT2	C 001	0020	0811												
	BIT3	C 001	0010	0812												
16	BIT4	C 001	0008	0813												
	BIT5	C 001	0004	0814												
	BIT6	C 001	0002	0815												
17	BIT7	C 001	0001	0816												
	BLANK	C 001	0040	0788												
	BUF1	C 001	0001	4161												
18	BUF2	C 001	0002	4162												
	CD1	C 001	0001	4137												
	CD2	C 001	0002	4138												
19	CP1	C 001	0001	4133												
	CP2	C 001	0002	4134												
	CSB1	C 001	0001	4141												
20																

13	DMERR3	C 001	00E3	1196												
	DMERR4	C 001	00E4	1197												
	DMERR5	C 001	00E5	1198												
14	DMERR6	C 001	00E6	1199												
	DMERR7	C 001	00E7	1200												
	DMERR8	C 001	00E8	1201												
15	DMERR9	C 001	00E9	1202												
	DMER10	C 001	00EA	1203												
	DMER11	C 001	00EB	1204												
16	DMER12	C 001	00EC	1205												
	DMER13	C 001	00ED	1206												
16	DMER14	C 001	00EE	1207												
	DMER15	C 001	00EF	1208												
17	DMER16	C 001	00F0	1209												
	DMER17	C 001	00F1	1210												
	DMER18	C 001	00F2	1211												
18	DMP1A*PRG	C 001	0040	0352												
	DMP*PROTCT	C 001	0080	0349												
	DMP*SUSAC	C 001	0020	0355												
19	DSABL	C 001	0080	0823												
	DSPADACT	C 001	0010	0407												
	DSPER*PND	C 001	0004	0409												
20																

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#SVAT TCB ATTACH TRANSIENT				PAGE 92 V09/11/81 12/08/81 21:28			
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		4028	*	XNTEQ		00890000	
03		4030	**	MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES	**		
04		4033					
05		4036	*	GENERAL EQUATES FOR TRANSIENT/TRANSFER TABLE ENTRIES	*		
06		0080	4038	XEXAMID EQU X'80'	EXAM ID TRANSFER ROUTINE		
06		0040	4039	XEADFF EQU X'40'	SET EA CYCLE XLATE OFF INDICATOR		
06		0020	4040	XEBOFF EQU X'20'	SET EB CYCLE XLATE OFF INDICATOR		
07		001C	4041	XFERCTL EQU X'10'	TRANSFER CONTROL ROUTINE		
07		0020	4042	XNTPRIV EQU X'20'	PRIVILEGED TRANSIENT		
07		0008	4043	XNTAREAS EQU X'08'	FIRST SECTOR IN TRANSIENT AREA(HIGH)		
08		000F	4044	XNTAREAE EQU X'0F'	LAST SECTOR IN TRANSIENT AREA (HIGH)		
08		0008	4045	XFERIAON EQU X'08'	IAR TRANSLATION ON		
08		0004	4046	XFEREAOE EQU X'04'	SET EA ON TRANSFER CONTROL		
09		0002	4047	XFEREBON EQU X'02'	SET EB ON TRANSFER CONTROL		
09		0001	4048	XFERWPOE EQU X'01'	SET ON WRITE PROTECT(NON-PRIVILEGED)		
10		4050	*	'SYSTEM' TRANSIENT RIB EQUATES (I.E., IMPLICIT DISK ADDR, LENGTH)	*		
10		0000	4052	RRSDO0 EQU X'00'	RESERVED		
11		0001	4053	RFIND EQU X'01'	FIND		
11		0002	4054	RDPEN EQU X'02'	OPEN		
11		0003	4055	RCLOSE EQU X'03'	CLOSE		
12		0004	4056	REOJ EQU X'04'	END-OF-JOB		
12		0005	4057	RSLOG EQU X'05'	SYSLOG		
12		0006	4058	RSLIST EQU X'06'	SYSLIST		
13		0007	4059	RSIN EQU X'07'	SYSIN		
13		0008	4060	RSGET EQU X'08'	SOURCE GET		
13		0009	4061	RSMSG EQU X'09'	MESSAGE RETRIEVE		
14		000A	4062	RLIBRY EQU X'0A'	LIBRARY OPEN/CLOSE		
14		000B	4063	RVTOCFD EQU X'0B'	VTOC READ/WRITE FD		
14		000C	4064	RALLOC EQU X'0C'	ALLOCATE		
15		000D	4065	RDALOC EQU X'0D'	DEALLOCATE		
15		000E	4066	RSALOC EQU X'0E'	SPECIAL ALLOCATE		
15		000F	4067	RINFO EQU X'0F'	RETRIEVE SYSTEM INFORMATION		
16		0010	4068	RVTORD EQU X'10'	VTOC READ/WRITE RD		0110
16		0011	4069	RSNAP EQU X'11'	SNAP DUMP		0088
16		0012	4070	RPGHLT EQU X'12'	RPG HALT		
17		0013	4071	RDHCALL EQU X'13'	DATA MANAGEMENT CONTROLLER		
17		0014	4072	RPRALGN EQU X'14'	PRINTER ALIGNMENT		
17		0015	4073	RCPRT EQU X'15'	COMMAND PROCESSOR ROUTER		
18		0016	4074	RLOPEN EQU X'16'	LIMITS OPEN		
18		0017	4075	RWSOM EQU X'17'	USER WSDM REQUEST		
18		0018	4076	RSWSOM EQU X'18'	SYSTEM WSDM REQUEST		
19		0019	4077	RFINDLIB EQU X'19'	USER LIBRARY FIND REQUEST		
19		001A	4078	RAFA EQU X'1A'	AFA ACCESS TRANSIENT		
19		001B	4079	RSPDOL EQU X'1B'	SPOOL INTERCEPT REQUEST		
20		001C	4080	RSPALC EQU X'1C'	SPOOL ALLOCATE REQUEST		

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#SVAT TCB ATTACH TRANSIENT				PAGE 56 V09/11/81 12/08/81 21:28			
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		2445	*	DELAYED SVC R-BYTE EQUATES			
		0040	2446	SVCFD EQU X'40'	DISK I/O		

01							
02							

13	DMERR4	C	001	00E4	1197	1198
	DMERR5	C	001	00E5	1198	1199
	DMERR6	C	001	00E6	1199	1200
14	DMERR7	C	001	00E7	1200	1201
	DMERR8	C	001	00E8	1201	1202
	DMERR9	C	001	00E9	1202	1203
15	DMER10	C	001	00EA	1203	1204
	DMER11	C	001	00EB	1204	1205
	DMER12	C	001	00EC	1205	1206
16	DMER13	C	001	00ED	1206	1207
	DMER14	C	001	00EE	1207	1208
	DMER15	C	001	00EF	1208	1209
17	DMER16	C	001	00F0	1209	1210
	DMER17	C	001	00F1	1210	1211
	DMER18	C	001	00F2	1211	
18	DMPINPRG	C	001	0040	0352	
	DMPROTCT	C	001	0080	0349	
	DMPUSAC	C	001	0020	0355	
19	DSABL	C	001	0080	0823	4200
	DSPADACT	C	001	0010	0407	
	DSPERPND	C	001	0004	0409	
20						

13	D1CURX28	C	001	0008	0323	03
	D1DSKTAB	C	001	0000	0314	03
	D1DSKTBL	C	001	0004	0315	03
14	D1DSPFLG	C	001	0024	0402	04
	D1DSPTCB	C	001	0030	0523	05
	D1DSTIME	C	001	0070	0625	06
15	D1DSTQE	C	001	002F	0490	04
	D1END0	C	001	0076	0662	06
	D1ERRACE	C	001	001B	0386	03
16	D1ERRMIC	C	001	0019	0384	03
	D1ERRTCB	C	001	001A	0385	03
	D1FRCTCB	C	001	003C	0522	05
17	D1FREPT	C	001	002D	0488	04
	D1GPFAG	C	001	0036	0501	05
	D1HCSTG0	C	001	0071	0633	06
18	D1HCSTGD	C	001	0072	0635	06
	D1HPCSDA	C	001	0060	0580	05
	D1HPCSTK	C	001	0061	0591	05
19	D1HPSTK	C	001	0062	0592	05
	D1IAR	C	001	0059	0569	05
	D1IARS	C	001	0043	0533	05
20						

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02	V09/11/81	12/08/81	21:28
01			
02	00890000		
03	*****		
04	*****		
05	*****		
06	*****		
07	*****		
08	*****		
09	*****		
10	*****		
11	*****		
12	*****		
13	*****		
14	*****		
15	*****		
16	*****		
17	*****		
18	*****		
19	*****		
20	*****		

#SVAT TCB ATTACH TRANSIENT		PAGE 93 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		001D 4081 RCPERR EQU X'1D' COMMAND PROCESSOR I/O ERROR	
		001E 4082 RTTC EQU X'1E' TASK-TASK COMMUNICATIONS	
03		001F 4083 RCPTC EQU X'1F' COMMAND PROCESSOR TASK-TASK	
		0020 4084 RSETX EQU X'20' SET EXIT	
		0021 4085 RWDD8 EQU X'21' WSDM TRANSIENT	
04		0022 4086 RSVNR EQU X'22' "	
		0023 4087 RWDDG EQU X'23' "	
		0024 4088 RWDAF EQU X'24' "	
05		0025 4089 RWDDO EQU X'25' "	
		0026 4090 RWDDA EQU X'26' "	
		0027 4091 ROFFLINE EQU X'27' OFFLINE MV DATA MGMT.	
06		0028 4092 RWDDH EQU X'28' WSDM TRANSIENT	
		0029 4093 RWDDQ EQU X'29' "	
		002A 4094 RWDCP EQU X'2A' "	
07		002B 4095 RPRA2 EQU X'2B' SECURITY	
		002C 4096 RCHD EQU X'2C' COMMAND OCL INTERFACE	
		002D 4097 RIOERR EQU X'2D' I/O ERROR TRANSIENT	
08		002E 4098 REXTND EQU X'2E' EDF EXTEND TRANSIENT	
		002F 4099 RUPDAT EQU X'2F' EDF UPDATE TRANSIENT	
		0030 4100 RCHKPT EQU X'30' CHECKPOINT TRANSIENT	
09		0031 4101 RSPMIC EQU X'31' SPOOL TRANSIENT	
		0032 4102 RICDA EQU X'32' ICF (CVC) 4	
		0033 4103 RICDB EQU X'33' ICF (CVC) 4	
		0034 4104 RICDC EQU X'34' ICF (CVC) 4	
10		0035 4105 RSVTX EQU X'35' TWA EXTENSION 3	
		0036 4106 RSORT EQU X'36' SORT TRANSIENT 4	
		0037 4107 REXTRA EQU X'37' EXTENDED TRACE 4	
11		0038 4108 RWDDL EQU X'38' WSDM TRANSIENT	
		0039 4109 RGLFR EQU X'39' GLF TRANSIENT 5	
		003A 4110 RGLFAC EQU X'3A' GLF TRANSIENT 5	
12		003B 4111 REXTNP EQU X'3B' EXTENDED PRINT 6	
		003C 4112 RSMFC EQU X'3C' SMP COMM. DATA COLLECTION 6	
		003D 4113 RICDD EQU X'3D' PEER MULTIPOINT 6	
13		003E 4114 RWDDU EQU X'3E' WSDM XIENT	
		003F 4115 RWDDT EQU X'3F' "	
		0040 4116 RWEGE EQU X'40' "	
14		0041 4117 RRD0M EQU X'41' RDDM TTC XIENT CALL	
		0042 4118 RWDDH EQU X'42' WSDM XIENT	
		0043 4119 RSPQMG EQU X'43' SPOOL QUEUE MGMT XIENT	
15		0043 4120 RXTEND EQU RSPQMG LAST VALID ENTRY	
16		0110 4122 XFLENBYT EQU RXTEND*4+4 LENGTH OF XFER TABLE (BYTES)	
		0088 4123 XFLENWRD EQU RXTEND*2+2 LENGTH OF XFER TABLE (WORDS)	
		4124 *** END OF EXPANSION **	
17			
18			
19			
20			

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#SVAT TCB ATTACH TRANSIENT		PAGE 57 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR	
02		0001	
		0002	
03		0001	
		0002	
04		0001	
		0001	
05		0002	
		0002	
06		0001	
		0002	
07		0001	
		0001	
08		0002	
		0001	
09		0001	
		0002	
10		0001	
		0002	
11		0001	
		0002	
12		0001	
		0002	
13		0001	
		0002	
14		0001	
		0002	
15		0004	
		0000	
16		0001	
		0002	
17		0035	
		0038	
18		003A	
		003C	
19		003D	
20			

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01			
02	2486 *	TCB	00770000
	2487	*****	
	2488 *	TCB	

#SVAT TCB ATTACH TRANSIENT		PAGE 57 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		2486 * TCB	00770000
		2487 *****	
		2488 * TCB	

#SVAT TCB ATTACH TRANSIENT		PAGE 57 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR	
02		0000	

	D1CURTRB C 001 0055 0560 0561 0566		D1PNWNTPT C 001 0002 0400 0401 0402
13	D1CURXNT C 001 0053 0558 0559		D1NUXNT1 C 001 0000 0300 0301 0302
	D1CURX28 C 001 0008 0323 0324		D1NUXNT2 C 001 0002 0300 0301 0302
	D1DSKTAB C 001 0000 0314		D1NUXNT3 C 001 0003 0300 0301 0302
	D1DSKTBL C 001 0004 0315		D1NUXNT4 C 001 0004 0300 0301 0302
14	D1DSPFLG C 001 0024 0402 0417		D1NUXNT5 C 001 0005 0300 0301 0302
	D1DSPTCB C 001 0030 0523 0524		D1NUXNT6 C 001 0006 0300 0301 0302
	D1DSTIME C 001 0070 0625 0633 4824		D1NUXNT7 C 001 0007 0300 0301 0302
15	D1DSTQE C 001 002F 0490 0491		D1PGFULL C 001 0080 0330 0331 0332
	D1ENDa C 001 0076 0662		D1PRPSR C 001 005A 0570 0571 0572
	D1ERRACE C 001 001B 0386 0387		D1PREVRB C 001 0055 0560 0561 0562
16	D1ERRMIC C 001 0019 0384 0385		D1QHSAVE C 001 0038 0510 0511 0512
	D1ERRTCB C 001 001A 0385 0386		D1QSAVE C 001 004E 0540 0541 0542
	D1FRCTCB C 001 003C 0522 0523		D1RQUEUa C 001 003F 0520 0521 0522
	D1FREEPT C 001 002D 0488 0489		D1RDCS C 001 0060 0620 0621 0622
	D1GPFLAG C 001 0036 0501 0512		D1RDM5 C 001 006C 0610 0611 0612
	D1HCSTGa C 001 0071 0633 0635		D1RDM5 C 001 006C 0610 0611 0612
18	D1HCSTGD C 001 0072 0635 0641		D1RDM5 C 001 006C 0610 0611 0612
	D1HPCSDA C 001 0060 0580 0591		D1RDM5 C 001 006C 0610 0611 0612
	D1HPCSTK C 001 0061 0591 0592		D1RDM5 C 001 006C 0610 0611 0612
19	D1HPSTK C 001 0062 0592 0594		D1RDM5 C 001 006C 0610 0611 0612
	D1IAR C 001 0059 0569 0570		D1RDM5 C 001 006C 0610 0611 0612
	D1IARS C 001 0043 0533 0534		D1RDM5 C 001 006C 0610 0611 0612
20			D1RDM5 C 001 006C 0610 0611 0612

PAGE 93 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 94 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	4126 * REGISTERS USED 00910000	02	
	0001 4127 PRM1 EQU 1 PARM LIST POINTER 00920000		
	0002 4128 PRM2 EQU 2 PARM LIST POINTER 00930000		
03	0001 4129 PSH1 EQU 1 PARM LIST POINTER 00940000	03	
	0002 4130 PSH2 EQU 2 PARM LIST POINTER 00950000		0800 F2 87 06
	0002 4131 F52 EQU 2 BIT MASK POINTER 00960000		
04	0001 4132 F51 EQU 1 BIT MASK POINTER 00970000	04	0803 7BE25C1E3
	0001 4133 CP1 EQU 1 COMMAND PROCESSOR PARM 00980000		0808 08
	0002 4134 CP2 EQU 2 PACKED DATA PARM 01000000	05	
05	0002 4135 PAK2 EQU 2 JOB NAME FIELD REL' STER 01010000		
	0001 4136 JOB1 EQU 1 CODE INDEX REGISTER 01020000	06	
	0002 4137 CD1 EQU 1 CODE INDEX REGISTER 01030000		
06	0002 4138 CD2 EQU 2 TCB POINTER 01040000	06	
	0001 4139 TCB1 EQU 1 TCB POINTER 01050000		
	0002 4140 TCB2 EQU 2 CSB POINTER aa093 01053000	07	
07	0001 4141 CSB1 EQU 1 CSB POINTER aa093 01056000		
	0001 4143 ACE1 EQU 1 ACE POINTER 01060000	08	0809 F4 00 0D
	0002 4144 ACE2 EQU 2 ACE POINTER 01070000		080C 0002
08	0001 4145 JCB1 EQU 1 JCB POINTER 01080000	08	
	0002 4146 JCB2 EQU 2 JCB POINTER 01090000		
09	0001 4147 RB1 EQU 1 RB POINTER 01100000	09	080E 35 02 0141
	0002 4148 RB2 EQU 2 RB POINTER 01110000		
	0001 4149 SIZ1 EQU 1 REGISTER TO SAVE ALLOC. SIZ 01120000	10	0812 B5 02 17
10	0002 4150 SIZ2 EQU 2 REGISTER TO SAVE ALLOC. SIZ 01130000		0815 9C 18 2A 18
	0001 4151 ATR1 EQU 1 REG. TO POINT INTO ATRS 01140000		0819 F6 00 80
	0002 4152 ATR2 EQU 2 REG. TO POINT INTO ATRS 01150000	11	
11	0001 4153 SYN1 EQU 1 SYSIN BUFFER 01160000		081C 35 02 0141
	0002 4154 SYN2 EQU 2 SYSIN BUFFER 01170000		
	0001 4155 BAS1 EQU 1 BASE REGISTER 1 01180000	12	
12	0002 4156 BAS2 EQU 2 BASE REGISTER 2 01190000		0820 8E 00 74 0093
	0001 4157 TUB1 EQU 1 TUB INDEX REGISTER 1 01200000		
	0002 4158 TUB2 EQU 2 TUB INDEX REGISTER 2 01210000	13	0825 B5 02 17
13	0001 4159 TAB1 EQU 1 TUB INDEX REGISTER 1 01220000		
	0002 4160 TAB2 EQU 2 TUB INDEX REGISTER 2 01230000	14	
	0001 4161 BUF1 EQU 1 INDEX BUFFER POINTER 01240000		
14	0002 4162 BUF2 EQU 2 INDEX BUFFER REGISTER 01250000	14	0828 B8 01 1E
	0005 4163 SNA5IZ EQU 5 SNA REGION SIZE 01255000		0828 F2 90 06
15	00FF 4164 DETACH EQU X'FF' DETACH REQUEST 01260000	15	
	0000 4165 ALLOHIGH EQU 0 01270000		
	0001 4166 ALLOSIZE EQU ALLOHIGH+1 01280000	16	
16	0002 4167 ALLONEXT EQU ALLOSIZE+1 01290000		082E F4 00 07
	0031 4168 ATSVACEa EQU TCBATRS-30 SAVED ACE ADDRESS 01291000		0831 001D
	0033 4169 ATSVRBA EQU ATSVACEa+2 SAVED RB ADDRESS 01292000		0833 81
	0035 4170 ATSVSCa EQU ATSVRBA+2 SAVED SCAN BUFFER ADDRESS 01293000	17	
17	0038 4171 ATSVSSa EQU ATSVSCa+3 SAVED SWAP AREA ADDRESS 01294000		
	003A 4172 ATSVSSa EQU ATSVSSa+2 SAVED WSWA ADDRESS 01295000		
	003C 4173 ATSVARRa EQU ATSVSSa+2 SAVED ARR 01296000	18	
18	003D 4174 ATSVSIZE EQU ATSVARRa+1 SAVED ALLOC. SIZE 01297000		
19		19	
20		20	

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01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	2539 *XXXXXXXXXX THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXX	02	

15	ECMWSB C 001 0027 0676	
15	ECMGNW C 001 0003 0687	
15	ECMIND C 001 0022 0671	
16	ECMTOERR C 001 0021 0670	
16	ECMLOCK C 001 0010 0682	
16	ECMMASK C 001 0001 0678	
17	ECMNSKIP C 001 0080 0667 4306	
17	ECMPARM C 001 0000 0666	
17	ECMREAL C 001 0040 0668	
18	ECMSYSLG C 001 0028 0677	
18	ECMTAS C 001 0026 0675	
18	ECMTIMER C 001 0024 0673	
19	ECMTRM C 001 0023 0672	
19	ECMTTC C 001 0020 0669 4306	
19	EIGHT C 001 0008 0797	
20	ENI064 A 001 00F2 4895 4885 4888	

15	ERBMNSP C 001 0001 0001 07	
15	ERBMPOST C 001 0008 07	
16	ERBMPUR C 001 0003 07	
16	ERBMRERR C 001 0003 07	
16	ERBNORM C 001 0000 07	
17	ERBPTASK C 001 0001 07	
17	ERBSOPD C 001 00F0 07	
17	ERBSOPO C 001 0080 07	
17	ERBSOP1 C 001 0040 07	
18	ERBSOP2 C 001 0020 07	
18	ERBSOP3 C 001 0010 07	
19	ERBTRMID C 001 0080 07	
19	EXAM C 001 0004 04	
19	FALSE C 001 0090 08	
20	FDFAIL C 001 0040 05	

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	00185	01310000	
03			
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#SVAT	TCB ATTACH TRANSIENT	PAGE 96	V09/11/81	12/08/81	21:28
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02		4220 *			01540000
02		4221 * ASSIGN THE TCB FOR RUNNING THE NEW TASK IN THE SYSTEM			01550000
02		4222 *			01560000
03		4223 *T000005 ASSGN LEN-TCB'EN	ASSIGN A TCB		01570000
03	0834 F4 00 06	4224 AT000005 SVC SVCASSG(,)	ASSIGN REQUEST		
04	0837 0080	0838 4225 DC AL2(TCBLN)	ASSIGN LENGTH		
04	0839 01	0839 4226 DC AL1(1+0)	ATTRIBUTES		
04		4227 *** END OF EXPANSION **			
05	083A 34 01 0F84	4228 ST ATTCB,TCB1	STORE ASSIGNED TCB ADDRESS		01580000
05	083E 36 01 0FB9	4229 A ATZERO,TCB1	ASSIGN SUCCESSFUL ?		01590000
05	0842 F2 01 05	4230 JNE AT000010	YES, SET UP THE TCB		01600000
06	0845 C0 87 0E12	4231 B AERROR	GO TO ERROR ROUTINE		01610000
07	0849 04	0849 4232 DC AL1(\$ATERRO4)	UNABLE TO GET TCB SPACE		01620000
07		4233 *			01630000
07		4234 * INITIALIZE ALL TCB FIELDS TO 0'S			01640000
07		4235 *			01650000
08	084A 5F 7F 7F 7F	4236 AT000010 SLC TCBLN-1(TCBLN,TCB1),TCBLN-1(TCB1)	ZERO OUT TCB		01660000
08	084E 74 02 17	4237 ST TCBCRB(C,TCB1),RB2	STORE POINTER TO RB		01670000
09	0851 B8 20 27	4238 TBN RB\$LEN+\$ATFLAG1(C,RB2),\$ATQKINT	ATTACH AN INITIATOR ?		01680000
09	0854 F2 90 19	4239 JF SC000100	NO, DON'T TRY QKINIT		01690000
10		4240 *			01700000
10		4241 * THE ATTACH REQUEST IS FOR AN INITIATOR, SO ATTACH #C1ML.			01710000
10	0857 8C 03 15 OFFD	4242 MVC RB\$LEN+\$LDTEXT(4,RB2),#C1ML+3	MOVE IN SSSN VALUES		01790000
11	085C 8C 01 1D 0FB	4243 MVC RB\$LEN+\$LDLOAD(2,RB2),INITLDR	MOVE IN LOAD @	00298	01800000
11	0861 8C 03 19 0FB	4244 MVC RB\$LEN+\$LDSTRT(4,RB2),INITSCB	MOVE IN START Ca	00298	01820000
11	0866 8C 00 1B OFFD	4245 MVC RB\$LEN+\$LDTOT(1,RB2),#C1ML+3	MOVE IN TOT SECTORS		01830000
12	0868 8C 00 1A OFF	4246 MVC RB\$LEN+\$LDRDL(1,RB2),#C1ML+4	MOVE IN RLD DISP.		01840000
12	0870 B8 02 27	4247 SC000100 TBN RB\$LEN+\$ATFLAG1(C,RB2),\$ATCNINQ	DON'T ALLOW	00093	02191000
12		4248 * CANCEL OR INQUIRY ?		00093	02192000
13	0873 F2 90 06	4249 JF SC000110	NO, ALLOW BOTH	00093	02193000
13	0876 7C 01 74	4250 MVI TCBCNMT(C,TCB1),1	SET NO CANCEL CNT	00093	02194000
13	0879 7C 01 75	4251 MVI TCBIQNT(C,TCB1),1	SET NO INQ. CNT	00093	02195000
14	087C B8 40 27	4252 SC000110 TBN RB\$LEN+\$ATFLAG1(C,RB2),\$ATCOMN	SUPPORT COMMON ?	00093	02200000
14	087F F2 90 0B	4253 JF AT000020	NO, DOES NOT SUPPORT COM		02210000
15	0882 AC 01 1D 19	4254 MVC RB\$LEN+\$ATLOAD(2,RB2),RB\$LEN+\$LDSTRT(C,RB2)	SET LOAD		02220000
15	0886 AC 01 17 1D	4255 MVC RB\$LEN+\$LDLINK(2,RB2),RB\$LEN+\$ATLOAD(C,RB2)	SET LINK		02230000
16		4256 * ADDRESS AND START CONTROL ADDRESS EQUAL			02240000
16		4257 *			02250000
16		4258 * CALCULATE TCBEGV VALUE FROM TASK'S LINK EDIT ADDRESS			02260000
16		4259 *			02270000
17	088A F2 87 0C	4260 J AT000030	ASSUME LINK EDIT OF 0		02280000
18	088D 68 01 2C 16	4261 AT000020 MZN TCBEGL+1(C,TCB1),RB\$LEN+\$LDLINK-1(C,RB2)	CONV. LINK @		02290000
18	0891 68 02 2B 16	4262 MNZ TCBEGL(C,TCB1),RB\$LEN+\$LDLINK-1(C,RB2)	TO TCBEGL VALUE		02300000
18	0895 5E 01 2C 2C	4263 ALC TCBEGL+1(C,TCB1),TCBEGL+1(C,TCB1)	MAKE A HEX OFFSET		02310000
19	0899 7C 00 2C	4264 AT000030 MVI TCBMSS12(C,TCB1),0	RESET MSS12 TO 0		02320000
19	089C BB 07 1D	4265 SBF RB\$LEN+\$ATLOAD(C,RB2),X'07'	ENSURE ON 8 BYTE BOUNDARY		02330000
19		4266 *			02340000
20		4267 * CALCULATE THE LOGICAL START ADDRESS BASED ON BEGL. THIS WOULD			02350000

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01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		000F 2647 TCBRDYQ EQU TCBCMAIN+2	SYSTEM READY QUEUE CHAINING FIELD
02		000F 2648 TCBSWAPQ EQU TCBRDYQ	SYSTEM READY QUEUE SPECIAL EQUATE
03		0011 2649 TCBXNTQ EQU TCBRDYQ+2	SYSTEM TRANSIENT QUEUE CHAINING FIELD
03		0013 2650 TCBRTUB EQU TCBXNTQ+2	TUB ADDRESS OF REQUESTOR
04		2652 *VVVVVVVVVVV THE FOLLOWING FIELDS ARE ORDER DEPENDENT VVVVVVVVVVV	
04		0015 2653 TCBJCB@ EQU TCBRTUB+2	ADDRESS OF TASK JOB CONTROL BLOCK
04		0017 2654 TCB@ EQU TCBJCB@+2	CURRENT REQUEST BLOCK POINTER

#SVAT	TCB ATTACH TRANSIENT	PAGE 60	V09/11/81	12/08/81	21:28
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02		000F 2647 TCBRDYQ EQU TCBCMAIN+2	SYSTEM READY QUEUE CHAINING FIELD		
02		000F 2648 TCBSWAPQ EQU TCBRDYQ	SYSTEM READY QUEUE SPECIAL EQUATE		
03		0011 2649 TCBXNTQ EQU TCBRDYQ+2	SYSTEM TRANSIENT QUEUE CHAINING FIELD		
03		0013 2650 TCBRTUB EQU TCBXNTQ+2	TUB ADDRESS OF REQUESTOR		
04		2652 *VVVVVVVVVVV THE FOLLOWING FIELDS ARE ORDER DEPENDENT VVVVVVVVVVV			
04		0015 2653 TCBJCB@ EQU TCBRTUB+2	ADDRESS OF TASK JOB CONTROL BLOCK		
04		0017 2654 TCB@ EQU TCBJCB@+2	CURRENT REQUEST BLOCK POINTER		

01	ERR LOC OBJECT CODE	
02		
03		
04		

15	ERBMNRR C 001 0004 0716	FIADSTIX C 001 0031 09
	ERBMNRRSP C 001 0020 0727	FIADTYPE C 001 000C 00
	ERBMPERR C 001 0001 0739	FIADVTOC C 001 001D 09
	ERBMPOST C 001 0008 0733	FIALLGCD C 001 0028 10
16	ERBMPUR C 001 0003 0717	FIALLGIN C 001 0040 10
	ERBMRERR C 001 0003 0737	FIALLGLB C 001 0020 10
	ERBNORM C 001 0000 0753	FIALIVTA C 001 001E 09
17	ERBPTASK C 001 0001 0743	FIALZVTA C 001 0012 10
	ERBSOPD C 001 00F0 0758	FIAMBLRN C 001 0080 08
	ERBSOPO C 001 0080 0759	FIAMCKPT C 001 0040 09
	ERBSOP1 C 001 0040 0760	FIAMCONS C 001 0040 08
18	ERBSOP2 C 001 0020 0761	FIAMDTRC C 001 0020 08
	ERBSOP3 C 001 0010 0762	FIAMDTC C 001 0020 09
	ERBTRMTD C 001 0080 0724	FIAMDFG C 001 0004 09
19	EXAM C 001 0004 0457	FIAMDPC C 001 0010 08
	FALSE C 001 0090 0801	FIAMGASK C 001 0008 09
20	DFFAIL C 001 0040 0504	FIAMHASK C 001 0010 09

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
01					01	
02	01540000	4268	*	BE THE LINK EDIT ADDRESS IF THE MODULE WAS LINK EDITED TO A	02	02360000
	01550000	4269	*	2K BOUNDARY.		02370000
	01560000	4270	*			02380000
	01570000	4271	MVC	TCBARR-1(1,TCB1),TCBEG(L,TCB1) MOVE IN BEGL VALUE	03	02390000
		4272	ALC	TCBARR-1(1,TCB1),TCBARR-1(,TCB1) DOUBLE VALUE		02400000
		4273	ALC	TCBARR-1(1,TCB1),TCBARR-1(,TCB1) DOUBLE VALUE		02410000
		4274	ALC	TCBARR-1(1,TCB1),TCBARR-1(,TCB1) DOUBLE VALUE	04	02420000
		4275	MVI	TCBARR2(,TCB1),X'FF' SET EQUAL TO -1		02440000
		4276	ALC	TCBARR2(1,TCB1),RB\$LEN+\$LODTEXT(,RB2) ADD IN PROG. SIZE		02450000
		4277	MVC	TCBARR1(2,TCB1),RB\$LEN+\$ATLOAD(,RB2) MOVE IN LOAD ADDR.	05	02460000
		4278	AT000040 SLC	TCBARR1(2,TCB1),TCBARR(,TCB1) DECREMENT LINK @		02470000
		4279	ALC	TCBARR1-1(1,TCB1),TCBARR2(,TCB1) ADD IN SECT. SIZE	06	02480000
		4280	*			02490000
		4281	*	CALCULATE THE NUMBER OF 2K BLOCKS OF MAIN STORAGE REQUIRED TO		02500000
		4282	*	START THE TASK (TCB\$SSIZ). THIS WILL BE THE LARGEST OF THE	07	02510000
		4283	*	PROGRAM SIZE REQUIRED TO LOAD THE MAIN LINE OR THE PROGRAM		02520000
		4284	*	SIZE TO EXECUTE PASSED IN THE ATTACH PARM LIST.		02530000
		4285	*			02540000
		4286	AT000050 ALC	TCB\$SSIZ(1,TCB1),ATCONDNE ADD 2K TO \$SSIZ REQ'D	08	02550000
		4287	SLC	TCBARR1(2,TCB1),ATCX0800 DECREMENT BY 2K		02560000
		4288	BNL	AT000050 NOT UP TO SIZE YET	09	02570000
		4289	CLC	TCB\$SSIZ(1,TCB1),RB\$LEN+\$AT\$SSIZ(,RB2) LARGER SIZE		02580000
		4290	*	THAN PROGRAM SIZE ?	10	02590000
		4291	JNH	AT000060 NO, LARGER SIZE SPEC.		02600000
		4292	MVC	RB\$LEN+\$AT\$SSIZ(1,RB2),TCB\$SSIZ(,TCB1) MOVE IN LARGER	11	02610000
		4293	AT000060 MVC	TCB\$SSIZ(1,TCB1),RB\$LEN+\$AT\$SSIZ(,RB2) MOVE IN SIZE		02620000
		4294	*			02630000
		4295	*	INITIALIZE TCBTSSN (#2K BLOCKS X 8)	12	02640000
		4296	*			02650000
		4297	MVC	TCBTSSN(1,TCB1),TCB\$SSIZ(,TCB1) MOVE IN SWAP SIZE		02660000
		4298	ALC	TCBTSSN(1,TCB1),TCBTSSN(,TCB1) MULTIPLY BY 2	13	02670000
		4299	ALC	TCBTSSN(1,TCB1),TCBTSSN(,TCB1) MULTIPLY BY 4		02680000
		4300	ALC	TCBTSSN(1,TCB1),TCBTSSN(,TCB1) MULTIPLY BY 8		02690000
		4301	MVC	TCBRSIZ(1,TCB1),TCB\$SSIZ(,TCB1) MOVE IN REGION SIZE	14	02890000
		4302	*			02900000
		4303	*	INIT. TASK'S TTC IN CASE IT DOES TASK TO TASK COMMUNICATION. ALSO	15	02910000
		4304	*	ALLOW NEW REQUESTOR ATTACHES IN CASE OF A MRT		02920000
		4305	*			02930000
		4306	MVI	TCBTTC-1(,TCB1),ECM\$SKIP+ECMTTC INITIALIZE TTC VALUE	16	02940000
		4307	SBN	TCBSTAT4(,TCB1),TCBATTC ALLOW MRT ATTACH		02950000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
01					01	
02		0002 2701	TCBLCKSP EQU	X'02' INTERLOCK FOR SPOOL FILE	02	
		2702 *	EQU	X'01' INTERLOCK FOR RESERVED		
03		006A 2704	TCBSSTID EQU	TCBLCKM*1 SHARED STORAGE TASK IDSK BITS	03	
04		006B 2706	TCBTSKID EQU	TCBSSTID+1 TASK ID	04	

15	FIADVTDC C 001 0010 0910 0935 0944 1039
16	FIALGLB C 001 0020 1021
17	FIALVTA C 001 001E 0935
18	FIAL2VTA C 001 0012 1002
19	FIAMBLRN C 001 0080 0890
20	FIAMCKPT C 001 0040 0970
	FIAMCONS C 001 0040 0847
	FIAMDIRC C 001 0020 0848
	FIAMDLTC C 001 0020 0971
	FIAMDNFG C 001 0004 0960
	FIAMDPCK C 001 0010 0863
	FIAMGASK C 001 0008 0973
	FIAMHKAS C 001 0010 0956

15	FIADVTDC C 001 0010 0910 0935 0944 1039
16	FIALGLB C 001 0020 1021
17	FIALVTA C 001 001E 0935
18	FIAL2VTA C 001 0012 1002
19	FIAMBLRN C 001 0080 0890
20	FIAMCKPT C 001 0040 0970
	FIAMCONS C 001 0040 0847
	FIAMDIRC C 001 0020 0848
	FIAMDLTC C 001 0020 0971
	FIAMDNFG C 001 0004 0960
	FIAMDPCK C 001 0010 0863
	FIAMGASK C 001 0008 0973
	FIAMHKAS C 001 0010 0956

15	GETPANY C 001 0020 0002 4
16	GETPHSIC C 001 0010 0000 0
17	GETPNOTC C 001 0008 0000 0
18	HPASGERR C 001 0080 0000 0
19	HPCSSVC C 001 0010 0000 0
20	HPERRPND C 001 0001 0000 0
	HPHALTED C 001 0000 0000 0
	HP125VCA C 001 0020 0000 0
	HPNDSTRT C 001 0002 0000 0
	HPNOTBSY C 001 0008 0000 0
	HPSTART C 001 0040 0000 0
	HPWAITING C 001 0004 0000 0
	IAR C 001 0010 0000 0
	IARX C 001 0008 0000 0
	INITLDA A 002 0FBC 50

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02360000	02370000	02380000	02390000
02400000	02410000	02420000	02440000
02450000	02460000	02470000	02480000
02490000	02500000	02510000	02520000
02530000	02540000	02550000	02560000
02570000	02580000	02590000	02600000
02610000	02620000	02630000	02640000
02650000	02660000	02670000	02680000
02690000	02890000	02900000	02910000
02920000	02930000	02940000	02950000

#SVAT	TCB	ATTACH	TRANSIENT	PAGE 98	V09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02		4309 *				02980000	
		4310 *		SET UP VALUES IN THE FOLLOWING WORK FILES TO BE USED TO DETER-		02990000	
03		4311 *		MINE IF THE TASK'S MAIN STORAGE REQUIREMENTS DO NOT EXCEED		03000000	
		4312 *		WHAT IS CURRENTLY AVAILABLE ON THE SYSTEM.		03010000	
04		4313 *		TCB&XR1-1 = TCB&RSIZ-TCB&SSIZ OF ATTACHOR		03020000	
		4314 *		TCB&XR1 = MAXIMUM ACTIVE SWAPPABLE REGION EXCEPT ATTACHOR		03030000	
		4315 *		TCB&XR2-1 = SC&MS*2K (# OF SWAPPABLE 2K PAGES AVAILABLE)		03040000	092A B9 80 77
		4316 *		TCB&XR2 = SC&MAXRG (MAXIMUM ACTIVE SWAPPABLE REGION)		03050000	092D B8 02 77
05	08F9 7C 00 19	4317 *				03060000	0930 F2 90 70
		4318	MVI	TCB&XR1(,TCB1),0	FIND MAX ACTIVE SWAPPABLE	03090000	
		4319 *		REGION EXCLUDING CURRENT TCB		03100000	0933 6E 00 1C 2D
06		4320 *				03110000	0937 5D 00 1C 1A
		4321 *		THE FOLLOWING BLOCK OF CODE CALCULATES THE MAXIMUM ACTIVE		03120000	093B F2 84 A1
		4322 *		SWAPPABLE REGION IN THE SYSTEM EXCLUDING THE ATTACHOR'S TASK		03130000	
		4323 *				03140000	093E 5D 00 1B 1C
07	08FC C2 02 0200	4324	LA	NUM&PTCB,TCB2	XR2-> CP'S TCB	03150000	0942 F2 02 5E
	0900 4C 00 1A 000D	4325	MVC	TCB&XR2-1(,TCB1),NUM&SCA+SC&MS*2K MOVE IN *2K SWAP @&093		03153000	
	0905 4C 00 1B 000E	4326	MVC	TCB&XR2(,TCB1),NUM&SCA+SC&MAXRG SET E=SC&MAXRG @&093		03156000	0945 5C 00 1B 1C
08	090A 8D 00 0C	4327	AT000100	CLI	TCB&CHAIN(,TCB2),0	03160000	0949 F2 87 57
	090D F2 81 97	4328	JE	AT000180	NO, HAVE GOT VALUE @&093	03170000	
09	0910 7C 00 1C	4329	MVI	TCB&ARR-1(,TCB1),0	SET ADD FACTOR TO 0 @&093	03170400	094C 4E 00 05 0FBA
	0913 B8 02 77	4330	TBN	TCB&STAT6(,TCB2),TCB&SN&RQ	USER OF SNA ? @&093	03170800	0951 8D 00 0A
	0916 B9 80 77	4331	TBF	TCB&STAT6(,TCB2),TCB&ATNS	AND NOT ATTACHED NS? @&093	03171200	0954 F2 81 37
10	0919 F2 90 03	4332	JF	AT000110	NO, FACTOR IS 0 @&093	03171600	0957 34 02 098D
							0958 B5 02 08
11	091C 7C 05 1C	4333	MVI	TCB&ARR-1(,TCB1),SN&SIZ	SET TO 10K FOR SNA @&093	03172000	095E B9 80 04
	091F 2D 01 0141 0D	4334	AT000110	CLC	NUM&ACEQH+QH&SPTCB(2),TCB&CHAIN(,TCB2) CURRENT TCB @&290	03172400	0961 B9 80 07
	0924 B5 02 0D	4335	L	TCB&CHAIN(,TCB2),TCB2	XR2-> NEXT TCB @&093	03172800	0964 F2 90 19
12	0927 F2 01 22	4336	JNE	AT000120	NO, NOT CURRENT TCB	03173200	0967 6C 00 1D 04
							0968 8D 00 00
							096E F2 01 04
13							0971 5E 00 1D 1C
14							0975 5D 00 19 1D
							0979 F2 02 04
15							097C 5C 00 19 1D
							0980 8D 00 00
							0983 B5 02 01
							0986 C0 01 095E
16							098A C2 02 0000
							098E B8 80 77
17							0991 F2 10 0F
18							0994 6E 00 1C 2D
							0998 5D 00 19 1C
							099C F2 02 04
19							099F 5C 00 19 1C
							09A3 C0 87 090A
20							

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0000	0001	0002	0003
0004	0005	0006	0007
0008	0009	0010	0011
0012	0013	0014	0015
0016	0017	0018	0019
0020	0021	0022	0023
0024	0025	0026	0027
0028	0029	0030	0031
0032	0033	0034	0035
0036	0037	0038	0039
0040	0041	0042	0043
0044	0045	0046	0047
0048	0049	0050	0051
0052	0053	0054	0055
0056	0057	0058	0059
0060	0061	0062	0063
0064	0065	0066	0067
0068	0069	0070	0071
0072	0073	0074	0075
0076	0077	0078	0079
0080	0081	0082	0083
0084	0085	0086	0087
0088	0089	0090	0091
0092	0093	0094	0095
0096	0097	0098	0099
0100	0101	0102	0103
0104	0105	0106	0107
0108	0109	0110	0111
0112	0113	0114	0115
0116	0117	0118	0119
0120	0121	0122	0123
0124	0125	0126	0127
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0132	0133	0134	0135
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0164	0165	0166	0167
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0184	0185	0186	0187
0188	0189	0190	0191
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0196	0197	0198	0199
0200	0201	0202	0203
0204	0205	0206	0207
0208	0209	0210	0211
0212	0213	0214	0215
0216	0217	0218	0219
0220	0221	0222	0223
0224	0225	0226	0227
0228	0229	0230	0231
0232	0233	0234	0235
0236	0237	0238	0239
0240	0241	0242	0243
0244	0245	0246	0247
0248	0249	0250	0251
0252	0253	0254	0255
0256	0257	0258	0259
0260	0261	0262	0263
0264	0265	0266	0267
0268	0269	0270	0271
0272	0273	0274	0275
0276	0277	0278	0279
0280	0281	0282	0283
0284	0285	0286	0287
0288	0289	0290	0291
0292	0293	0294	0295
0296	0297	0298	0299
0300	0301	0302	0303
0304	0305	0306	0307
0308	0309	0310	0311
0312	0313	0314	0315
0316	0317	0318	0319
0320	0321	0322	0323
0324	0325	0326	0327
0328	0329	0330	0331
0332	0333	0334	0335
0336	0337	0338	0339
0340	0341	0342	0343
0344	0345	0346	0347
0348	0349	0350	0351
0352	0353	0354	0355
0356	0357	0358	0359
0360	0361	0362	0363
0364	0365	0366	0367
0368	0369	0370	0371
0372	0373	0374	0375
0376	0377	0378	0379
0380	0381	0382	0383
0384	0385	0386	0387
0388	0389	0390	0391
0392	0393	0394	0395
0396	0397	0398	0399
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0404	0405	0406	0407
0408	0409	0410	0411
0412	0413	0414	0415
0416	0417	0418	0419
0420	0421	0422	0423
0424	0425	0426	0427
0428	0429	0430	0431
0432	0433	0434	0435
0436	0437	0438	0439
0440	0441	0442	0443
0444	0445	0446	0447
0448	0449	0450	0451
0452	0453	0454	0455
0456	0457	0458	0459
0460	0461	0462	0463
0464	0465	0466	0467
0468	0469	0470	0471
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0492	0493	0494	0495
0496	0497	0498	0499
0500	0501	0502	0503
0504	0505	0506	0507
0508	0509	0510	0511
0512	0513	0514	0515
0516	0517	0518	0519
0520	0521	0522	0523
0524	0525	0526	0527
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0532	0533	0534	0535
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0540	0541	0542	0543
0544	0545	0546	0547
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0560	0561	0562	0563
0564	0565	0566	0567
0568	0569	0570	0571
0572	0573	0574	0575
0576	0577	0578	0579
0580	0581	0582	0583
0584	0585	0586	0587
0588	0589	0590	0591
0592	0593	0594	0595
0596	0597	0598	0599
0600	0601	0602	0603
0604	0605	0606	0607
0608	0609	0610	0611
0612	0613	0614	0615

14	JCBDCRLB C 001 0010 1443 1444
	JCBDCSBP C 001 0065 1539 1541
	JCBDCCTAG C 001 002B 1470 1472
	JCBDDATE C 001 0009 1435 1437
15	JCBDDFRG C 001 0056 1508 1510
	JCBDDTFA C 001 0054 1504 1506
	JCBDELNG C 001 0010 1564
16	JCBDESV C 001 000F 1563 1564
	JCBDEXTA C 001 0031 1476 1478
	JCBDFINA C 001 0050 1500 1502
17	JCBDFMNO C 001 004C 1494 1496
	JCBDFSBF C 001 0014 1446 1448
	JCBDFSDL C 001 0012 1444 1446
18	JCBDFNIT C 001 0000 1359 1371
	JCBDFNLK C 001 0005 1415 1425
	JCBDFINT2 C 001 0001 1371 1384
19	JCBDFBID C 001 0047 1490 1492
	JCBDFJBRG C 001 0057 1510 1512 1513
20	JCBDFJOBNC 001 0061 1516 1518 4750

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EXECUTE	03440000
	03450000
ING ATTACHOR	03460000
SWAP PAGES	03470000
	03490000
METER LIST TO	aa290 03500000
	aa290 03510000
FROM ATTACHER)	aa290 03515000
ATTACHER'S TCB	aa290 03520000
	aa290 03540000
F CODE	aa290 03550000
ABLE	aa290 03570000
TRA STORAGE	aa290 03590000
IS REQUESTED	aa290 03610000
	aa290 03622000
	aa290 03624000
	aa290 03626000
	aa290 03628000
	aa290 03630000
IF 2K AVAILABLE	aa290 03650000
IA STORAGE FROM	aa290 03660000
	aa290 03670000
NON-SWAPPABLE ?	aa290 03673000
NO NOT SUBTRACT	aa290 03676000
T EXTRA	aa290 03680000
TEM TOTAL	aa290 03685000
TO MS#2K	aa290 03690000
E REGION	aa290 03700000
SWAPPABLE TASK	aa290 03701000
VE SWAP TASK	aa290 03702000
	aa290 03703000
	aa290 03704000
	aa290 03705000
I FIRE UP TASK	aa290 03706000
	aa290 03707000
E ERROR	aa290 03710000
	aa290 03720000
GH SWAPPABLE STOR.	03730000
URRENT RB	aa290 03740000
TO BE NON-SWAP?	03750000
IS TO BE	aa290 03760000

#SVAT TCB ATTACH TRANSIENT		PAGE 101 V09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	4426 *	03770000	
	4427 * TASK TO BE ATTACHED IS SWAPPABLE, THEREFORE WE NEED ONLY	03780000	
	4428 * UPDATE THE OLD SCAMAXRG IF NEW TASK'S REGION SIZE EXCEEDS	03790000	
03	4429 * THE OLD MAXIMUM ACTIVE SWAP SIZE.	03800000	
	4430 *	03810000	
04	09ED 5D 00 2D 1B 4431 CLC TCBRGSIZ(1,TCB1),TCBAXR2(,TCB1) WILL IT BE NEW MAX?	03820000	
	09F1 F2 04 23 4432 JNH AT000225 NO, IT WILL NOT aa290	03830000	
05	09F4 5C 00 1B 2D 4433 MVC TCBAXR2(1,TCB1),TCBRSIZ(,TCB1) MOVE IN NEW MAX	03840000	
	09F8 F2 87 1C 4434 J AT000225 GO UPDATE VALUES aa290	03850000	
06	4435 * SUBTRACT TCBRSIZ FROM SCAMS#2K aa290	03855000	
	09FB 5F 00 1A 2D 4436 AT000210 SLC TCBAXR2-1(1,TCB1),TCBRSIZ(,TCB1) DECR. BY REG. SIZaa290	03860000	
	09FF 7A 80 77 4437 SBN TCBSTAT6(,TCB1),TCBATNS INDICATE ATTACHED NON-SWAP	03870000	
	0A02 7A 01 00 4438 SBN TCBSTAT1(,TCB1),TCBNSWAP INDICATE TASK NON-SWAP	03880000	
07	4439 * IS SCAMS#2K LESS THAN OR EQUAL TO THE MAX ACTIVE SWAP REGION? aa290	03885000	
	0A05 5D 00 1A 1B 4440 CLC TCBAXR2-1(1,TCB1),TCBAXR2(,TCB1) WILL TASK'S INIT aa290	03890000	
	4441 * CAUSE SCAMAXRG TO BE LARGER THAN SCAMS#2K ? aa290	03895000	
08	0A09 F2 02 05 4442 JNL AT000220 NO, IT WILL NOT aa290	03910000	
	4443 *	03920000	
09	4444 * WE CAN NOT START A NON-SWAPPABLE TASK UP THAT WILL PUT AN	03930000	
	4445 * ALREADY ACTIVE TASK (OTHER THAN THE ATTACHOR) TO SLEEP.	03940000	
	4446 *	03950000	
10	0A0C C0 87 0E12 4447 B A TERROR ERROR, TASK'S INIT.	03960000	
11	0A10 03 0A10 4448 DC AL1(\$ATERRO3) WILL PUT ANOTHER TO SLEEP	03970000	
	0A11 7D 00 05 4449 AT000220 CLI TCBPRIOR(,TCB1),ZERO IS ATTACHOR ONLY ACTIvaa290	04120000	
	0A14 F2 01 06 4450 JNE AT000230 NO, ENSURE 14K AVAIL. aa290	04130000	
12	0A17 7D 05 1A 4451 AT000225 CLI TCBAXR2-1(,TCB1),FIVE 10K SWAPPABLE AVAIL.? aa290	04140000	
	0A1A F2 02 0B 4452 JNL AT000240 YES, ALLOW ATTACH	04150000	
13	0A1D 7D 07 1A 4453 AT000230 CLI TCBAXR2-1(,TCB1),SEVEN NO, THEREFORE MUST HAVaa290	04160000	
	0A20 F2 02 05 4454 JNL AT000240 AT LEAST 14K SWAPPABLE	04170000	
14	0A23 C0 87 0E12 4455 B A TERROR ERROR - AT LEAST 14K	04180000	
	0A27 02 0A27 4456 DC AL1(\$ATERRO2) NOT AVAILABLE	04190000	

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00790000	

07 *	
*	

#SVAT TCB ATTACH TRANSIENT		PAGE 65 V09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	2842 * TQE	00810000	
	2843 * DATE LAST CHANGED: 03/10/77 JHP		
	2844 *****		
03	2845 *		

14	JCBDR2L C 001 0001 1443 1444
	JCBDR2R C 001 0001 1443 1444
	JCBDR2S C 001 0001 1443 1444
15	JCBDR2T C 001 0001 1443 1444
	JCBDR2U C 001 0001 1443 1444
	JCBDR2V C 001 0001 1443 1444
16	JCBDR2W C 001 0001 1443 1444
	JCBDR2X C 001 0001 1443 1444
	JCBDR2Y C 001 0001 1443 1444
17	JCBDR2Z C 001 0001 1443 1444
	JCBDR3A C 001 0001 1443 1444
	JCBDR3B C 001 0001 1443 1444
18	JCBDR3C C 001 0001 1443 1444
	JCBDR3D C 001 0001 1443 1444
	JCBDR3E C 001 0001 1443 1444
19	JCBDR3F C 001 0001 1443 1444
	JCBDR3G C 001 0001 1443 1444
20	JCBDR3H C 001 0001 1443 1444

#SVAT TCB ATTACH TRANSIENT		PAGE 101 V09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	4426 *	03770000	
	4427 * TASK TO BE ATTACHED IS SWAPPABLE, THEREFORE WE NEED ONLY	03780000	
	4428 * UPDATE THE OLD SCAMAXRG IF NEW TASK'S REGION SIZE EXCEEDS	03790000	
03	4429 * THE OLD MAXIMUM ACTIVE SWAP SIZE.	03800000	0A28 5C 00 1
	4430 *	03810000	0A2C C0 87 0
04	09ED 5D 00 2D 1B 4431 CLC TCBRGSIZ(1,TCB1),TCBAXR2(,TCB1) WILL IT BE NEW MAX?	03820000	
	09F1 F2 04 23 4432 JNH AT000225 NO, IT WILL NOT aa290	03830000	
05	09F4 5C 00 1B 2D 4433 MVC TCBAXR2(1,TCB1),TCBRSIZ(,TCB1) MOVE IN NEW MAX	03840000	0A30 C0 87 0
	09F8 F2 87 1C 4434 J AT000225 GO UPDATE VALUES aa290	03850000	
06	4435 * SUBTRACT TCBRSIZ FROM SCAMS#2K aa290	03855000	0A34 F2 87 0
	09FB 5F 00 1A 2D 4436 AT000210 SLC TCBAXR2-1(1,TCB1),TCBRSIZ(,TCB1) DECR. BY REG. SIZaa290	03860000	
	09FF 7A 80 77 4437 SBN TCBSTAT6(,TCB1),TCBATNS INDICATE ATTACHED NON-SWAP	03870000	0A37 C0 87 0
	0A02 7A 01 00 4438 SBN TCBSTAT1(,TCB1),TCBNSWAP INDICATE TASK NON-SWAP	03880000	
07	4439 * IS SCAMS#2K LESS THAN OR EQUAL TO THE MAX ACTIVE SWAP REGION? aa290	03885000	0A3B 06
	0A05 5D 00 1A 1B 4440 CLC TCBAXR2-1(1,TCB1),TCBAXR2(,TCB1) WILL TASK'S INIT aa290	03890000	
	4441 * CAUSE SCAMAXRG TO BE LARGER THAN SCAMS#2K ? aa290	03895000	
08	0A09 F2 02 05 4442 JNL AT000220 NO, IT WILL NOT aa290	03910000	
	4443 *	03920000	
09	4444 * WE CAN NOT START A NON-SWAPPABLE TASK UP THAT WILL PUT AN	03930000	
	4445 * ALREADY ACTIVE TASK (OTHER THAN THE ATTACHOR) TO SLEEP.	03940000	
	4446 *	03950000	
10	0A0C C0 87 0E12 4447 B A TERROR ERROR, TASK'S INIT.	03960000	
11	0A10 03 0A10 4448 DC AL1(\$ATERRO3) WILL PUT ANOTHER TO SLEEP	03970000	
	0A11 7D 00 05 4449 AT000220 CLI TCBPRIOR(,TCB1),ZERO IS ATTACHOR ONLY ACTIvaa290	04120000	
	0A14 F2 01 06 4450 JNE AT000230 NO, ENSURE 14K AVAIL. aa290	04130000	
12	0A17 7D 05 1A 4451 AT000225 CLI TCBAXR2-1(,TCB1),FIVE 10K SWAPPABLE AVAIL.? aa290	04140000	
	0A1A F2 02 0B 4452 JNL AT000240 YES, ALLOW ATTACH	04150000	
13	0A1D 7D 07 1A 4453 AT000230 CLI TCBAXR2-1(,TCB1),SEVEN NO, THEREFORE MUST HAVaa290	04160000	
	0A20 F2 02 05 4454 JNL AT000240 AT LEAST 14K SWAPPABLE	04170000	
14	0A23 C0 87 0E12 4455 B A TERROR ERROR - AT LEAST 14K	04180000	
	0A27 02 0A27 4456 DC AL1(\$ATERRO2) NOT AVAILABLE	04190000	

#SVAT TCB ATTACH TRANSIENT		PAGE 65 V09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	2842 * TQE	00810000	
	2843 * DATE LAST CHANGED: 03/10/77 JHP		
	2844 *****		
03	2845 *		

14	JCBDOUSER C 001 0060 1541 1543 1544	14	JCBMSEQJ C 001 0080 1
	JCBDOUSR1 C 001 0037 1480 1481		JCBMSLMG C 001 0040 1
	JCBDOUSR2 C 001 0039 1481 1482		JCBMSLOG C 001 0080 1
15	JCBDOUSBP C 001 0016 1448 1450	15	JCBMSLOP C 001 0002 1
	JCBDOIPRC C 001 0020 1452 1 16		JCBMSOFF C 001 0040 1
	JCBLLNTH C 001 0070 1546		JCBMSPCX C 001 0002 1
16	JCBMBTCH C 001 0010 1399	16	JCBMSPRC C 001 0020 1
	JCBMDEAD C 001 0008 1389		JCBMSRAL C 001 0008 1
	JCBMDKAL C 001 0020 1418		JCBMSYLB C 001 0080 1
17	JCBMDOPD C 001 0002 1391	17	JCBMSYSN C 001 0040 1
	JCBMDPRD C 001 0004 1401		JCBMTMLK C 001 0080 1
	JCBMDSRC C 001 0001 1413		JCBMUPS1 C 001 0080 1
18	JCBMETBa C 001 0001 1537	18	JCBMUPS2 C 001 0040 1
	JCBMEOMP C 001 0004 1411		JCBMUPS3 C 001 0020 1
	JCBMEVPR C 001 0004 1535		JCBMUPS4 C 001 0010 1
19	JCBMEXTD C 001 0001 1466	19	JCBMUPS5 C 001 0008 1
	JCBMFLIS C 001 0040 1531		JCBMUPS6 C 001 0004 1
	JCBMFLUC C 001 0010 1388	20	JCBMUPS7 C 001 0002 1
20			

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PAGE 101 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT	PAGE 102 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE
	02 4458 * GO TO CALCULATE THE NUMBER OF TRACKS TO ALLOCATE, AND THEN aa290 04191200		02
	4459 * ALLOCATE THE SWAP AREA ON DISK. aa290 04191800		
	03 0A28 5C 00 19 2D 4460 AT000240 MVC TCB@XRI(1,TCB1),TCBRGSIZ(,TCB1) SET SIZE TO CONVERT. 3290 04192400		
	03 0A2C C0 87 0E65 4461 B SWAPSIZE GO CONVERT #2K TO TRACKS aa290 04193000		
	04 4462 * 04193600		
	4463 * NOW BRANCH TO THE ALLOCATE SUBROUTINE TO aa290 04194200		04 0A3C 4C 01 29 0E00
	4464 * ALLOCATE THE REQUIRED SWAP AREA ON DISK aa290 04194800		04 0A41 5C 01 37 29
	05 0A30 C0 87 0EE2 4466 B ALLOC GO ALLOCATE SWAP AREA aa290 04196000		05 0A45 4C 00 38 0F81
	06 0A34 F2 87 05 4467 J AT000242 JUMP SUCCESSFUL aa290 04196600		05 0A4A 75 02 17
	06 0A37 C0 87 0E12 4468 B ATERROR GO TO ERROR ROUTINE aa290 04197200		05 0A4D 6C 00 05 20
	07 GA3B 06 0A3B 4469 DC AL1(\$ATERRO6) SWAP AREA NOT AVAIL. aa290 04197500		05 0A51 6C 00 68 28
	08		07 0A55 7D 00 68
	09		07 0A58 F2 01 2D
	10		08 0A5B 0E 00 0273 OFE
	11		08 0A61 3D E0 0273
	12		08 0A65 F2 82 04
	13		09 0A68 3C 01 0273
	14		11 0A6C C2 02 0200
	15		11 0A70 8D 00 68 0273
	16		11 0A75 C0 81 0A5B
	17		12 0A79 8D 00 0C
	18		12 0A7C B5 32 00
	19		12 0A7F C0 01 0A70
	20		13 0A83 4C 00 68 0273
			13 0A88 D2 02 00
			14
			15 0A8B F4 00 06
			16 0A8E 0030
			16 0A90 01
			17 0A91 36 01 0E00
			17 0A95 F2 01 05
			18 0A98 C0 87 0E12
			18 0A9C 05
			19 0A9E 5F 11 11 11
			19 0AA1 B4 01 33
			19 0AA4 B5 02 17
			20 0AA7 7C 10 11
			20

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	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE
	02 0008 2890 TQLEN EQU TQFLNK+1 LENGTH OF THE TQE.		02
	2891 *** END OF EXPANSION **		
	03		03

14	JCBMSELT C 001 0002 1422
14	JCBMSEJ C 001 0080 1406
14	JCBMSLNG C 001 0040 1521
15	JCBMSLOG C 001 0080 1416
15	JCBMSLOP C 001 0002 1465
15	JCBMSOFF C 001 0040 1407
16	JCBMSPCCK C 001 0002 1536
16	JCBMSPRC C 001 0020 1408
16	JCBMSRAL C 001 0008 1534
17	JCBMSYLB C 001 0080 1520
17	JCBMSYSN C 001 0040 1417
17	JCBMTMLK C 001 0080 1530
18	JCBMUPS1 C 001 0080 1426
18	JCBMUPS2 C 001 0040 1427
18	JCBMUPS3 C 001 0020 1428
19	JCBMUPS4 C 001 0010 1429
19	JCBMUPS5 C 001 0008 1430
19	JCBMUPS6 C 001 0004 1431
20	JCBMUPS7 C 001 0002 1432

14	JCBMSELT C 001 0002 1422
14	JCBMSEJ C 001 0080 1406
14	JCBMSLNG C 001 0040 1521
15	JCBMSLOG C 001 0080 1416
15	JCBMSLOP C 001 0002 1465
15	JCBMSOFF C 001 0040 1407
16	JCBMSPCCK C 001 0002 1536
16	JCBMSPRC C 001 0020 1408
16	JCBMSRAL C 001 0008 1534
17	JCBMSYLB C 001 0080 1520
17	JCBMSYSN C 001 0040 1417
17	JCBMTMLK C 001 0080 1530
18	JCBMUPS1 C 001 0080 1426
18	JCBMUPS2 C 001 0040 1427
18	JCBMUPS3 C 001 0020 1428
19	JCBMUPS4 C 001 0010 1429
19	JCBMUPS5 C 001 0008 1430
19	JCBMUPS6 C 001 0004 1431
20	JCBMUPS7 C 001 0002 1432

14	NUBACEQH C 001 0100 1690
14	NUBADLRK C 001 0700 1763
14	NUBATQE C 001 0348 1745
15	NUBAD2K C 001 0700 1766
15	NUBACTAH C 001 0002 1699
15	NUBACTCB C 001 0200 1698
16	NUBSETC C 001 0380 1736
16	NUBXTIOB C 001 01E0 1696
16	NUBTLTQE C 001 03A0 1743
17	NUBIDPAC C 001 0300 1749
17	NUBIDPQB C 001 0380 1747
17	NUBIDSTQE C 001 0390 1738
18	NUBERACE C 001 0310 1722
18	NUBTEACE C 001 0370 1734
18	NUBPLAF C 001 03F0 1753
19	NUBGLACE C 001 0320 1724
19	NUBLOADI C 001 2000 1777
19	NUBFACE C 001 0340 1728
20	NUBINTQE C 001 0398 1741

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01	04191200
02	04191800
03	04192400
03	04193000
04	04193600
04	04194200
04	04194800
05	04195400
05	04196000
06	04196600
06	04197200
07	04197800

#SVAT TCB ATTACH TRANSIENT		PAGE 103 V09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	4471 *	04360000	
02	4472 * AT THIS POINT:	04370000	
03	4473 * TCBXR2-1=SCAMS#2K	04380000	
03	4474 * TCBXR2 =SCAMXRG ALSO, MAIN STORAGE IS AVAILABLE	04390000	
03	4475 *	04400000	
04	0A3C 4C 01 29 0EE0 4476 ATO00242 MVC TCBTSSN-1(2,TCB1),ALSSS MOVE IN ALLOCATE SS VALUE	04410000	
04	0A41 5C 01 37 29 4477 MVC ATSVSSA-1(2,TCB1),TCBTSSN-1(,TCB1) SAVE IN TCB	04420000	
04	0A45 4C 00 38 0F81 4478 MVC ATSVSSA(1,TCB1),ATALSIZ SAVE SIZE ALLOCATED	04430000	
05	0A4A 75 02 17 4479 L TCBCRB(,TCB1),RB2 XR2-> CURRENT RB	04440000	
05	0A4D 6C 00 05 20 4480 MVC TCBPRIOR(1,TCB1),RB\$LEN+\$ATPRIOR(,RB2) MOVE IN Paa354	04443000	
05	0A51 6C 00 6B 28 4481 MVC TCBTSKID(1,TCB1),RB\$LEN+\$ATTSKID(,RB2) MOVE IN Taa3540	04446000	
06	4482 *	04460400	
06	4483 * IF A TASK ID IS PASSED IN THE ATTACH PARAMETER LIST, BYPASS	04-608000	
06	4484 * CALCULATING THE NEW TASK'S ID.	044-1200	
06	4485 *	0446-600	
07	0A55 7D 00 6B 4486 CLI TCBTSKID(,TCB1),0 ANY TASK ID ?	04462000	
07	0A58 F2 01 2D 4487 JNE ATO00242 YES, BYPASS ID ASSIGN	04462400	
08	0A5B 0E 00 0273 0FBA 4488 ATO0A242 ALC NUBACTCB+TCBNSCNT(1),ATCONONE ADD 1 TO ID	04462800	
08	0A61 3D E0 0273 4489 CLI NUBACTCB+TCBNSCNT,TCBMAXID MAXIMUM ID ?	04463200	
09	0A65 F2 82 04 4490 JL ATO0B242 NO, IT IS IN RANGE	04463600	
09	0A68 3C 01 0273 4491 MVI NUBACTCB+TCBNSCNT,1 SET ID TO 1	04464000	
10	4492 *	04464400	
10	4493 * ENSURE ASSIGNED ID IS UNIQUE	04464800	
10	4494 *	04465200	
11	0A6C C2 02 0200 4495 ATO0B242 LA NUBACTCB,TCB2 XR2-> FIRST TCB	04465600	
11	0A70 8D 00 6B 0273 4496 AL2(,TCB2) CLC TCBTSKID(1,TCB2),NUBACTCB+TCBNSCNT UNIQUE VALUE ?	04466000	
11	0A75 C0 81 0A5B 4497 BE ATO0A242 NO, ASSIGN NEXT ID	04466400	
12	0A79 BD 00 0C 4498 CLI TCBCCHAIN-1(,TCB2),0 ANY MORE TCBS ?	04466800	
12	0A7C B5 02 0D 4499 L TCBCCHAIN(,TCB2),TCB2 XR2-> NEXT TCB	04467200	
12	0A7F C0 01 0A70 4500 BNE ATO0C242 YES, CHECK NEXT	04467600	
13	0A83 4C 00 6B 0273 4501 MVC TCBTSKID(1,TCB1),NUBACTCB+TCBNSCNT MOVE IN TASK ID	04468000	
14	0A88 D2 02 00 4502 ATO0D242 LA 0(,TCB1),TCB2 XR2-> CURRENT TCB	04468400	
14	4503 *	04470000	
14	4504 * ASSIGN AN RB TO START THE NEW TASK	04480000	
14	4505 *	04490000	
15	4506 * ASSGN LEN-RB\$TLEN ASSIGN AN RB	04500000	
15	0A8B F4 00 06 4507 SVC SVCASSGN,0 ASSIGN REQUEST		
16	0A8E 0030 0A8F 4508 DC AL2(RB\$TLEN) ASSIGN LENGTH		
16	0A90 01 0A90 4509 DC AL1(1+0) ATTRIBUTES		
16	4510 *** END OF EXPANSION **		
17	0A91 36 01 0A90 4511 A ATZERO,RB1 ASSIGN SUCCESSFUL ?	04520000	
17	0A95 F2 01 05 4512 JNE ATO00243 YES, SUCCESSFUL	04530000	
18	0A98 C0 87 0E12 4513 B ATERROR GO TO ERROR ROUTINE	04540000	
18	0A9C 05 0A9C 4514 JC AL1(\$ATERROR5) ERROR CODE 5	04550000	
19	0A9E 5F 11 11 11 4515 ATO00243 SLC RB\$LEN-1(RB\$LEN,RB1),RB\$LEN-1(,RB1) ZERO OUT RB	04560000	
19	0AA1 B4 01 33 4516 ST ATSVRBA(,TCB2),RB1 SAVE RB ADDRESS	04563000	
19	0AA4 B5 02 17 4517 L TCBCRB(,TCB2),RB2 XR2-> CURRENT RB	04566000	
20	0AA7 7C 10 11 4518 MVI RB\$INL(4,RB1),XFERCTL SET UP XFER CONTROL	04570000	

01	04191200
02	04191800
03	04192400
03	04193000
04	04193600
04	04194200
04	04194800
05	04195400
05	04196000
06	04196600
06	04197200
07	04197800
08	04198400
09	04199000
10	04199600
11	04199800
12	04200000
13	04200200
14	04200400
15	04200600
16	04200800
17	04201000
18	04201200
19	04201400
20	04201600

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01	04191200
02	04191800
03	04192400

#SVAT TCB ATTACH TRANSIENT		PAGE 67 V09/11/81 12/08/81 21:28	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	2893 * TUB	00830000	
02	2894 *****		
03	2895 *		
03	2896 * TERMINAL UNIT BLOCK FOR TERMINALS		

01	04191200
02	04191800
03	04192400

14	NUADURK C 001 0700 1763
15	NUADATQE C 001 03A8 1745 1747
16	NUADADZK C 001 07C0 1766
17	NUACPTAH C 001 0002 1699
18	NUACPTCB C 001 0200 1698 1702 4324 4488* 4489 4491* 4495 4496 4501 4662 4809 4828
19	NUACSETC C 001 0380 1736 1738
20	NUACXIOB C 001 01E0 1696 1698
21	NUADLTQE C 001 03A0 1743 1745
22	NUADPACE C 001 03D0 1749 1751
23	NUADPIOB C 001 0380 1747 1749
24	NUADSTQE C 001 0390 1738 1741
25	NUAERACE C 001 0310 1722 1724
26	NUAIEACE C 001 0370 1734 1736
27	NUAIPLAF C 001 03F0 1753 1768
28	NUAILGACE C 001 0320 1724 1726
29	NUALOADI C 001 2000 1777
30	NUAMACE C 001 0340 1728 1730
31	NUAMNTQE C 001 0398 1741 1743

14	NUADURK C 001 0700 1763
15	NUADATQE C 001 03A8 1745 1747
16	NUADADZK C 001 07C0 1766
17	NUACPTAH C 001 0002 1699
18	NUACPTCB C 001 0200 1698 1702 4324 4488* 4489 4491* 4495 4496 4501 4662 4809 4828
19	NUACSETC C 001 0380 1736 1738
20	NUACXIOB C 001 01E0 1696 1698
21	NUADLTQE C 001 03A0 1743 1745
22	NUADPACE C 001 03D0 1749 1751
23	NUADPIOB C 001 0380 1747 1749
24	NUADSTQE C 001 0390 1738 1741
25	NUAERACE C 001 0310 1722 1724
26	NUAIEACE C 001 0370 1734 1736
27	NUAIPLAF C 001 03F0 1753 1768
28	NUAILGACE C 001 0320 1724 1726
29	NUALOADI C 001 2000 1777
30	NUAMACE C 001 0340 1728 1730
31	NUAMNTQE C 001 0398 1741 1743

14	UP1 C 001 0000
15	PAK2 C 001 0000
16	PLIFO C 001 0000
17	PREEMPT C 001 0000
18	PRIOR C 001 0000
19	PRIOR# A 001 0000
20	PRIORF C 001 0000
21	PRIORL C 001 0000
22	PRM1 C 001 0000
23	PRM2 C 001 0000
24	PRV C 001 0000
25	PSH1 C 001 0000
26	PSH2 C 001 0000
27	PSI: F1 C 001 0000
28	PSI: F11 C 001 0000
29	PSR C 001 0000
30	PUSHBEGL C 001 0000

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04360000
04370000
04380000
04390000
04400000
04410000
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04430000
04440000
04443000
04446000
04460400
04460800
04461200
04461600
04462000
04462400
04462800
04463200
04463600
04464000
04464400
04464800
04465200
04465600
04466000
04466400
04466800
04467200
04467600
04468000
04468400
04470000
04480000
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04500000
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04530000
04540000
04550000
04560000
04563000
04566000
04570000

#SVAT TCB ATTACH TRANSIENT	PAGE 104 V09/11/81 12/08/81 21:28
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02 0AAA 6C 01 05 05 4519 MVC RB\$XR2(2, RB1), RB\$XR2(, RB2) SET NEW TASK'S XR2 VALUE 04573000	
02 0AAE 4C 01 03 0141 4520 MVC RB\$XR1(2, RB1), NUACEQH+QHDSPTCB SET TCB# AS NEW XR1 04576000	
03 0AB3 4C 01 08 0FB4 4521 MVC RB\$PSR(2, RB1), ATPMRL MOVE IN PMR VALUE 04590000	
03 0AB8 6C 01 09 19 4522 MVC RB\$IAR(2, RB1), RB\$LEN+\$LDOSTRT(, RB2) SET NEW START C # 04600000	
03 0ABC 35 01 0F84 4523 L ATTCB, TCB1 RELOAD TCB ADDRESS 04610000	
04 0ACO 88 20 1E 4524 TBN RB\$LEN+\$ATFLAG(, RB2), \$ATTUBAS TUB ADDRESS PASSED ? 04630000	
04 0AC3 F2 10 31 4525 JT AT000247 YES, A TUB # PASSED 04640000	
05 0AC6 88 04 27 4526 TBN RB\$LEN+\$ATFLAG(, RB2), \$ATNRTUB PASS TUB ADDRESS TO TASK? 04650000	
05 0AC9 F2 90 04 4527 JF AT000244 NO, DON'T PASS ADDRESS 04660000	
06 0ACC 6C 01 13 2A 4528 MVC TCBRTUB(2, TCB1), RB\$LEN+\$ATDATA(, RB2) GIVE TUB ADDRESS 04670000	
06 0ADO 8D 00 21 4529 AT000244 CLI RB\$LEN+\$ATJCB#-1(, RB2), 0 ANY JCB ADDRESS PASSED ? 04680000	
06 0AD3 F2 81 04 4530 JE AT00A244 NO, NONE PASSED 04690000	
07 4531 * 04700000	
07 4532 * IF NO TUB ASSOCIATED WITH THE ATTACH, THEN ALLOCATE A 1 TRACK 04710000	
07 4533 * TCB\$SWA FOR TASK. 04720000	
07 4534 * 04730000	
08 0AD6 6C 01 15 22 4535 MVC TCBJCB#(2, TCB1), RB\$LEN+\$ATJCB#(, RB2) MOVE IN JCB# 04740000	
09 0ADA 3C 01 0F81 4536 AT00A244 MVI ATALS12, 1 SET TO ALLOCATE 1 TRACK 04750000	
09 0ADE C0 87 0EE2 4537 B ALLOC AS A \$SWA 04760000	
10 0AE2 F2 87 05 4538 J AT000245 ALLOCATE SUCCESSFUL 04770000	
10 0AE5 C0 87 0E12 4539 B AERROR GO TO ERROR ROUTINE 04780000	
11 0AE9 07 0AE9 4540 DC AL1(\$AERROR7) ERROR CODE 04790000	
11 0AEA 4C 01 55 0EE0 4541 AT000245 MVC TCB\$SWA(2, TCB1), ALSSS MOVE IN ALLOCATED SS 04800000	
12 0AEF 5C 01 3A 55 4542 MVC AT\$VSS#(2, TCB1), TCB\$SWA(, TCB1) MOVE IN ALLOCATED SS 04810000	
12 0AF3 C0 87 0C08 4543 B AT000290 CONTINUE SETUP 04820000	
13 4544 * A TUB/SUB ASSOCIATED WITH THE ATTACH. INITIALIZE COMMON FIELDS 04820300	
13 4545 * IN TUB/SUB AND TCB. 04820600	
13 4546 * 04820900	
14 0AF7 B5 02 22 4547 AT000247 L RB\$LEN+\$ATTUB#(, RB2), TUB2 XR2-> REQUESTING SUB/TUB 04821200	
14 0AFA B4 01 24 4548 ST TUBTCB(, TUB2), TCB1 STORE TCB ADDR. 04821500	
14 0AFD 6C 01 15 32 4549 MVC TCBJCB#(2, TCB1), TUBJCB#(, TUB2) SET JCB ADDR. 04821800	
15 0B01 6C 01 55 22 4550 MVC TCB\$SWA(2, TCB1), TUB\$SWA(, TUB2) SET \$SWA SS VALUE 04822100	
15 0B05 B9 C0 03 4551 TBF TUBCMD(, TUB2), TUB\$EXEC AM ICS SESSION ? 04822400	
15 0B08 B0 20 39 4552 TBN SUBATTRS(, TUB2), SUBEDXR EOX RECEIVED ? 04822700	
15 0B0B F2 90 19 4553 JF AT000248 NO, BOTH NOT MET 04823000	
16 0B0E B4 02 2E 4554 ST TUBTCB+1(TUB2), TUB2 STORE SUB ADDRESS 04823300	
17 0B11 B5 01 24 4555 L TUBTCB(, TUB2), TCB1 XR1-> TCB 04823600	
17 0B14 75 08 13 4556 L RB\$JORKS+1(, TCB1), ARR ARR = SAVED TWO BYTES 04823900	
17 0B17 7C 04 13 4557 MVI RB\$JORKS+1(, TCB1), DBRTN4 CALL ICDB TO DEQUE AND FREE 04824200	
18 0B1A E2 02 25 4558 LA TUBTCB+1(, TUB2), XR2 XR2-> \$ISPL 04824500	
18 4559 * \$XFER ID-RICDB, REFRESH-YES CALL #.CDB 04824800	
18 0B1D F4 01 04 4560 SVC 4, 1	
19 0B20 33 0B20 4561 DC AL1(RICDB) 04825100	
19 4562 *** END OF EXPANSION **	
19 0B21 74 08 13 4563 ST RB\$JORKS+1(, TCB1), ARR RESTORE SAVED BYTES 04825400	
20 0B24 F2 87 E4 4564 J AT000290 CONTINUE ATTACH	

#SVAT TCB ATTACH	
ERR LOC OBJECT CODE	
02 0B27 7C 01 58	
02 0B2A 7C 01 76	
03 0B20 7C 01 70	
03 0B30 74 02 13	
03 0B33 B9 C0 03	
04 0B36 F2 90 16	
04 0B39 9C 00 25	
05 0B3D B8 20 37	
05 0B40 F2 10 06	
06 0B43 E 40 37	
06 0B46 BA 80 00	
06 0B49 B8 40 01	
06 0B4C F7 90 BC	
07	
08	
09 0B4F F4 01 06	
10 0B52 0010	
10 0B54 01	
11 0B55 6C 01 0F 2	
11 0B59 B9 C0 03	
11 0B5C F2 10 19	
12 0B5F 02 02 00	
12 0B62 C2 01 008D	
13 0B66 F4 05 23	
13 0B69 02	
14 0B6A E2 01 00	
14 0B6D 75 02 0F	
15 0B70 B5 02 13	
15 0B73 B8 03 03 0	
15 0B78 BA 80 00	
16 0B7B 5F 00 00 0	
16 0B7F 74 02 0B	
16 0B82 7C C4 09	
17 0B85 B8 20 37	
17 0B88 F2 90 15	
18 0B8B B8 80 03	
18 0B8E B9 08 39	
18 0B91 F2 90 15	
19 0B94 BC 00 01	
20 0B97 F4 00 0E	

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00830000

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#SVAT TCB ATTACH TRANSIENT	PAGE 68 V09/11/81 12/08/81 21:28
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02 2936 *****	
02 2937 * *	
03 2938 * TERMINAL UNIT BLOCK FOR PRINTERS *	
03 2939 * *	
03 2940 *****	

#SVAT TCB ATTACH	
ERR LOC OBJECT CODE	
02	
03	

14	ONE	C 001 0001 0790							
	OP1	C 001 0002 0820							
	OP2	C 001 0004 0819							
	PAK2	C 001 0002 4135	4751	4752	4753	4754	4755	4756	
15	PLIFO	C 001 0040 0689							
	PREEMPT	C 001 0080 0688	4649	4666					
	PRIOR	C 001 0080 1055	1059	1060					
16	PRIOR#	A 001 0090 4847	4841*						
	PRIORF	C 001 0080 1060							
	PRIORL	C 001 0090 1059							
17	PRM1	C 001 0001 4127	4199						
	PRM2	C 001 0002 4128	4713	4717	4723	4736			
	PRV	C 001 0000 0821	4200						
18	PSH1	C 001 0001 4129							
	PSH2	C 001 0002 4130	4358*	4359	4360	4362	4363	4369	4370 4370*
	PSIF1	C 001 0004 0362							
19	PSIPL1	C 001 0002 0363							
	PSR	C 001 0004 0770							
	PUSHBEGL	C 001 0006 1789	1791						
20									

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	0B27 7C 01 5B	4565	AT000248	MVI	TCBINVCT(,TCB1),1	INVITE COUNT = 1 04825700
	0B2A 7C 01 76	4566		MVI	TCBARQCT(,TCB1),1	ALLOC. REQ. COUNT = 1 04826000
03	0B2D 7C 01 70	4567		MVI	TCBARQCT(,TCB1),1	ALLOC. WS COUNT = 1 04826300
	0B30 74 02 13	4568		ST	TCBRTUB(,TCB1),TUB2	SET REQ. TUB ADDRESS 04826600
	0B33 B9 C0 03	4569		TBF	TUBCMND(,TUB2),TUB\$EXEC	AN ICS SESSION ? 04826900
04	0B36 F2 90 16	4570		JF	AT000249	NO, THEN ASSIGN ACE 04827200
	0B39 9C 00 25 6B	4571		MVC	SUBUTSKI(1,TUB2),TCBTSKID(,TCB1) MOVE IN TASK ID	04827500
	0B3D B8 20 37	4572		TBN	SUBATTR3(,TUB2),SUBIP5	IPS INVITED ? 04827800
05	0B40 F2 10 06	4573		JT	AT000249	YES, BYPASS SETTING IMI 04828100
	0B43 E1 40 37	4574		SBN	SUBATTR3(,TUB2),SUBIMI	SET ON IMPLICIT INVITE 04828400
	0B46 BA 80 00	4575		SBN	SUBECM(,TUB2),TUB\$SKIP	SET ECM BIT 04828700
	0B49 B8 40 01	4576	AT00A248	TBN	SUBCOMPL(,TUB2),SUB\$CMPL	SUB COMPLETE ? 04829000
	0B4C F2 90 BC	4577		JF	AT000290	NO, DON'T QUEUE OP-END ACE 04829300
07		4578 *				04830000
		4579 *			A TUB/SUB ASSOCIATED WITH THE ATTACH. ASSIGN AN ACE AND QUEUE	04840000
		4580 *			TO COMPLETE QUEUE OR WS QUEUE.	04850000
		4581 *			ADD THE Q-QUALIT PARAMETER TO THE ASSIGN MACRO.	04870000
		4582 *			DELETE ROUTINE FOR ERROR CODE 8,\$ATERROB. NO LONGER NEEDED.	04880000
		4583 *			AT000249 ASSIGN LEN-ACELEN,Q-QUALIT ASSIGN AN ACE	04890000
	0B4F F4 01 06	4584	AT000249	SVC	SVCASSGN,Q-QUALIT ASSIGN REQUEST	
10	0B52 0010	0B53 4585		DC	AL2(ACELEN) ASSIGN LENGTH	
	0B54 01	0B54 4586		DC	AL1(1+0) AT000249	
		4587 ***			END OF EXPANSION **	
11	0B55 6C 01 0F 24	4588	AT000250	MVC	ACETCBA(2,ACE1),TUBTCB(,TUB2) MOVE IN ASSIGNED TCB ADDR	04942000
	0B59 B9 C0 03	4589		TBF	TUBCMND(,TUB2),TUB\$EXEC	AN ICS SESSION ? 04944000
	0B5C F2 10 19	4590		JT	AT000259	YES, IT IS 04946000
12	0B5F D2 02 00	4591		LA	0(,ACE1),ACE2	XR2-> ACE 04964000
	0B62 C2 01 00B8	4592		LA	NUMSCA+SCADCSP3-1,XR1	XR1-> TUB LOCK 04980000
		4593 *		TEST	BIT-SCADTLOK	LOCK VERTICAL TUB CHAIN 04990000
13	0B66 F4 05 23	4594		SVC	SVCTEST,QXLOFF+Q-QUALIT TEST AND SET SVC REQUEST	
	0B69 02	0B69 4595		DC	AL1(SCADTLOK) BIT TO BE TESTED AND SET	
		4596 ***			END OF EXPANSION **	
14	0B6A E2 01 00	4597		LA	0(,ACE2),ACE1	XR1-> ASSIGNED ACE 05005000
	0B6D 75 02 0F	4598		L	ACETCBA(,ACE1),TCB2	XR2-> TCB 05052000
	0B70 B5 02 13	4599		L	TCBRTUB(,TCB2),TUB2	XR2-> TUB 05080000
15	0B73 88 03 03 0FBA	4600		MVN	TUBCMND(,TUB2),ATCONONE	SET UP INVITE OP-CODE 05100000
	0B78 BA 80 00	4601	AT000259	SBN	TUBECM(,TUB2),TUB\$SKIP	SET ON THE NOSKIP BIT 05102000
	0B7B 5F 0D 00 0D	4602		SLC	ACETCBA-2(ACETCBA-1,ACE1),ACETCBA-2(,ACE1) ZERO ACE	05104000
	0B7F 74 02 0B	4603		ST	ACEXR1(,ACE1),TUB2	STORE TUB ADDRESS 05106000
	0B82 7C C4 09	4604		MVI	ACETYPE(,ACE1),ACEM\$CL+ACEPRIV+ACEXLOFF SET TYPE	05108000
16	0B85 B8 20 37	4605		TBN	TUBATTR3(,TUB2),TUBIP5	PROG. REQ. UNDER FORMAT? 05110000
	0B88 F2 90 15	4606		JF	AT000260	NO, IT IS NOT 05113000
17	0B8B B8 80 03	4607		TBN	TUBCMND(,TUB2),TUBREXEC	AN ICS SESSION ? 05116000
	0B8E B9 08 39	4608		TBF	TUBATTR5(,TUB2),TUBRSF	STOP FAIL ON RELEASE ? 05130000
	0B91 F2 90 15	4609		JF	AT000265	YES, QUEUE TO CMPLQ 05140000
19	0B94 BC 00 01	4610		MVI	TUBCOMPL(,TUB2),0	CLEAR ALL BITS IN COMPL 05150000
		4611 *		QUEUE	DEV-QHDUSC,DSPL-ACECHAIN-1	QUEUE ACE TO WSQ 05160000
20	0B97 F4 00 0E	4612		SVC	SVCQUEUE,QO SVC FOR SYSTEM QUEUE FUNCTION	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		2966			*****	
		2967 *			TERMINAL UNIT BLOCK (TUB) *	
03		2968			*****	

15	QNCPR1 C 001 0018 2479	2478 2479	15	RDALOC C 001 003D 0627
	QNOV C 001 0019 2478			RDALCB C 001 000D 4065
	QREF C 001 0002 2465	4725 4745 4764		REQJ C 001 0004 4056
	QREFRESH C 001 0001 2464			REXTND C 001 002E 4098
16	QSCT C 001 0010 2472		16	REXTNP C 001 003B 4111
	QSPEC C 001 0009 2480			REXTRA C 001 0037 4107
	QSYSREQ C 001 0004 2467			RFIND C 001 0001 4053
17	QTOEXM C 001 0008 2469		17	RFINDLB C 001 0019 4077
	QUEUE C 001 0000 1054			RGLFAC C 001 003A 4110
	QWAIT C 001 0001 2463	2478 2480 4584 4594 5102		RGLFR C 001 0039 4109
18	QXLJFF C 001 0004 2466	4594 4745 5102	18	RICDA C 001 0032 4102
	QXR2 C 001 0020 2474			RICDB C 001 0033 4103
	QXU C 001 0040 2475			RICDC C 001 0034 4104
19	Q0 C 001 0000 2476	4192 4215 4612 4624 4647 4664 4822 4830 4836 4909 4929 4942	19	RICDD C 001 0030 4113
		5105		RINFO C 001 000F 4067
	Q1 C 001 0001 2462			RIDERR C 001 002D 4097
20			20	

E02

PAGE 106 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 107 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ERR LOC	OBJECT CODE
02	OBFF C2 01 0250	4662	1A	NUMCPTCB+TCBTTC-1,XR1 XR1-> CP'S TTC ECB	05430000	02		
		4663 *	POST	DEV-QHD TTC, PREMPT-NO POST HIS TTC	05440000			
03	OC03 F4 00 03	4664	SVC	SVCPOST,QO		03		
	OC06 48	OC06 4665	DC	AL1(QHD TTC)				
	OC07 80	OC07 4666	DC	AL1(PREMPT+0+0)				
		4667	*** END OF EXPANSION **					
04	OC08 B5 01 24	4668	AT000287 L	TUBTCB(,TUB2),TCB1 XR1-> TUB	05460000	04		
	OC08 7A 42 00	4669	AT000290 SBN	TCBSTAT1(,TCB1),TCBNOID+TCBSWAPD SET ON NO I/O AND SWAP	05490000			
	OC0E 5C 01 17 33	4670	MVC	TCBCRB(2,TCB1),ATSVRBA(,TCB1) MOVE IN RB ADDRESS	05500000		OC1B 35 02 0141	
05	OC12 1C 01 000E 1B	4671	MVC	NUMSCA+SCAMXRG(2),TCBXR2(,TCB1) MOVE IN #SWAP/MAX. RG	05520000	05		
		4672 *		aa001	05520600		OC1F 6C 00 19 2D	
		4673 *		IF A JCB ASSOCIATED SET ON ATTACHED THRU A NON-INITIATOR IF	aa001	05521200	OC23 85 01 17	
		4674 *		TASK BEING ATTACHED IS NON-INITIATOR ATTACHED.	aa001	05521800	OC26 78 01 27	
		4675 *		aa001	05522400	05	OC29 35 01 0F84	
06	OC17 34 01 0F84	4676	ST	ATTCB,TCB1 STORE NEW TCB ADDR.	aa001	05523000	06	OC2D F2 90 33
07						07	OC30 C0 87 0E65	
08						08	OC34 0C 00 0EDC 0F81	
							OC3A 6C 00 19 2C	
							OC3E C0 87 0E65	
09						09	OC42 2C 01 0EDB 29	
							OC47 AC 00 2D 2C	
							OC4B C0 87 0E8F	
							OC4F C0 87 0EE2	
							OC53 F2 87 04	
							OC56 C0 87 0000	
							OC5A 35 02 0141	
							OC5E 8C 01 29 0EE0	
10						10		
11						11		
12						12		
13						13		
14						14		
15						15		
16						16		
17						17		
18						18		
19						19		
20						20		

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PAGE 70 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 71 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ERR LOC	OBJECT CODE
02		3073 *	EQU	X'20' . UNIT NOT AVAILABLE (PRINTER ONLY)	02			
		3074 *	EQU	X'10' . OUTSTANDING STATUS				
		3075 *		EXCEPTION STATUS EQUATES START				
03		3076 *	EQU	X'0E' . NO STATUS (ALL BITS OFF)	03			
		3077 *	EQU	X'02' . NULL OR ATTRIBUTE ERROR				
		3078 *	EQU	X'04' . INVALID ACTIVATE				
04		3079 *	EQU	X'06' . RESERVED	04			

14	RCTPC	C 001	001F	4083	
	RCTMINT	C 001	003D	0627	
	RDALOC	C 001	000D	4065	
15	RDYCALL	C 001	0013	4071	
	REQJ	C 001	0004	4056	
	REXTND	C 001	002E	4098	
16	REXTNP	C 001	003B	4111	
	REXTRA	C 001	0037	4107	
	RFIND	C 001	0001	4053	
17	RFINDLIB	C 001	0019	4077	
	RGLFAC	C 001	003A	4110	
	RGLFR	C 001	0039	4109	
18	RICDA	C 001	0032	4102	
	RICDB	C 001	0033	4103	4561
	RICDC	C 001	0034	4104	
19	RICDD	C 001	003D	4113	
	RINFO	C 001	000F	4067	
20	RIOERR	C 001	002D	4097	

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107	V09/11/81	12/08/81	21:28
05430000			
05440000			
05460000			
05490000			
05500000			
05520000			
05521200			
05521800			
05522400			
05523000			

01	#SVAT TCB ATTACH TRANSIENT				PAGE 108	V09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02		4678	*	*****aa290	05523040			
		4679	*	NOW FIRST CALCULATE THE NUMBER OF TRACKS NEEDED FOR A SWAP	aa290	05523060		
		4680	*	AREA FROM THE NUMBER OF 2K REQUIRED FOR THE ATTACHING TASK.	aa290	05523080		
		4681	*	THEN RETURN TO CALLER WITH THE NUMBER OF TRACKS TO	aa290	05523100		
		4682	*	DEALLOCATE/ALLOCATE. THEN DEALLOCATE OLD/ALLOCATE NEW.	aa290	05523120		
		4683	*	*****aa290	05523140			
04		4685	*	TCB@ R-TCB2 XR2->CURRENT TCB	aa290	05523180		
	OC1B	35	02	0141	4686	L	321,TCB2	GET TCB ADDRESS.
		4687	***	END OF EXPANSION **				
	OC1F	6C	00	19 2D	4688	MVC	TCB@XR1(1,TCB1),TCBRGSIZ(,TCB2)	aa290
	OC23	B5	01	17	4689	L	TCBCRB(,TCB2),RB1 XR1-> CURRENT REQUEST BLOCK	aa290
	OC26	78	01	27	4690	TBN	RB\$LEN+\$ATFLAG(,RB1),\$ATTACHER REQUEST EXTRA STOR?	aa290
	OC29	35	01	0F84	4691	L	ATTCB,TCB1 XR1-> ATTACHER'S TCB	aa290
	OC2D	F2	90	33	4692	JF	AT000294	SKIP ALLOCATION OF EXTRA
	OC30	CO	87	0E65	4693	B	SWAPSIZE	CALCULATE TRACKS FROM SIZE
	OC34	0C	00	0EDC 0F81	4694	MVC	ATALLS2(1),ATALSIZ	SAVE THE NUMBER OF TRACKS
	OC3A	6C	00	19 2C	4695	MVC	TCB@XR1(1,TCB1),TCBMSSIZ(,TCB2)	MOVE IN NEW SIZE
	OC3E	CO	87	0E65	4696	B	SWAPSIZE	CALCULATE TRACKS TO ALLOCATE
	OC42	2C	01	0EDB 29	4697	MVC	ATALLS2-1(2),TCBTSSN-1(,TCB2)	SET SECTORS TO ALLOC
	OC47	AC	00	2D 2C	4698	MVC	TCBRGSIZ(1,TCB2),TCBMSSIZ(,TCB2)	RESET REGION SIZE
	OC4B	CO	87	0E8F	4699	B	DEALLOC	GO DEALLOCATE THE OLD SIZE
	OC4F	CO	87	0EE2	4700	B	ALLOC	GO ALLOCATE THE NEW SIZE
	OC53	F2	87	04	4701	J	AT000293	XR1->CURRENT TCB
	OC56	CO	87	0000	4702	B	0	PROC CHECK IF YOU GET HERE
		4703	*T000293	TCB@ R-TCB2				GET CURRENT TCB ADDR.
	OC5A	35	02	0141	4704	L	321,TCB2	GET TCB ADDRESS.
		4705	***	END OF EXPANSION **				
	OC5E	8C	01	29 0EE0	4706	MVC	TCBTSSN-1(2,TCB2),ALSSS	RESET ATTACHER'S SWAP @

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01	#SVAT TCB ATTACH TRANSIENT				PAGE 72	V09/11/81	12/08/81	21:28
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02		0006	3127	TUB\$RDUK EQU X'06'				. READ ISSUED TO UNLOCKED KEYBOARD ERROR
		0007	3128	TUB\$POFF EQU X'07'				. WS IS POWERED OFF
		3129	*	EQU X'08'				. RESERVED
03		3130	*	EQU X'09'				. SAVE OR RESTORE ERROR

01	#SVAT TCB ATTACH TRANSIENT			
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	OC63	B5	02	17
	OC66	7D	00	14
	OC69	F2	81	0F
03	OC6C	75	01	15
	OC6F	7A	10	63
	OC72	B8	20	27
	OC75	F2	90	03
04	OC78	78	10	63
	OC7B	35	01	0F84
05	OC7F	B8	08	1E
06	OC82	F2	90	0F
07				
08	OC85	B5	02	2A
09	OC88	F4	02	51
	OC8B	07		
	OC8C	0A		
	OC8D	01		
10	OC8E	75	02	15
	OC91	BA	20	02
11	OC94	35	02	0141
12	OC98	B5	02	17
	OC9B	B8	10	1E
	OC9E	F2	10	35
13				
14	OCA1	75	02	17
	OCA4	E2	02	12
15				
	OCA7	BC	08	00
	OCAA	F4	06	50
16	OCAD	0A4000		
17	OCB0	34	01	0F84
	OCB4	75	01	15
	OCB7	D2	01	5F
18	OCBA	68	01	00 02
	OCBE	68	03	00 03
	OCC2	68	01	01 04
19	OCC6	68	03	01 05
	OCCA	68	01	02 06
	OCCF	68	03	02 07
20	OCDE	35	01	0F84

15	RWDDH C 001 0028 4092	15	SCADHFLK C 001 00A4 2234
	RWDDL C 00. 0038 4108		SCADHFCB C 001 00C6 2344
	RWDDO C 001 0025 4089		SCADKCFG C 001 0040 1861
16	RWDDQ C 001 0029 4093	16	SCADKKG C 001 00D8 2368
	RWDDT C 001 003F 4115		SCADKLR C 001 0068 2063
	RWDDU C 001 003E 4114		SCADLBF1 C 001 004F 2004
17	RWDHH C 001 0042 4118	17	SCADLIN# C 001 0091 2166
	RWEGE C 001 0040 4116		SCADMATR C 001 00E0 2382
	RWSDM C 001 0017 4075		SCADMCFG C 001 0079 2108
18	RXTEND C 001 0043 4120 4122 4123	18	SCADMCTR C 001 007B 2120
	SCA#DWDM C 001 00B3 2277 2278		SCADMERP C 001 004D 2001
	SCA#ICDM C 001 00B3 2278		SCADMGT C 001 0073 2093
19	SCA#JDBO C 001 00AD 2274	19	SCADMID# C 001 007E 2122
	SCA#JDB1 C 001 00AF 2275		SCADMNTH C 001 005E 2043
	SCA#JDB2 C 001 00B1 2276	20	SCADMDD# C 001 0017 1943
20			

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08 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT PAGE 109 V09/11/81 12/08/81 21:28	01 #SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC	OBJECT CODE
*aa290	05523040	02 OC63 B5 02 17 4708 AT000294 L TCBCRB(,TCB2),RB2 POINT TO CURRENT RB aa001 05524200	02	OC66 35 02 004F
aa290	05523060	02 OC66 7D 00 14 4709 CLI TCBJCB(,TCB1),0 JCBLESS TASK ? aa001 05524800		OCDA 8E 00 12 OFBA
aa290	05523080	03 OC69 F2 81 0F 4710 JE AT000295 YES, BYPASS CHECK aa001 05525400		
aa290	05523100			
aa290	05523120	03 OC6C 75 01 15 4711 L TCBJCB(,TCB1),JCB1 POINT TO JCB aa001 05526000	03	
*aa290	05523140	04 OC6F 7A 10 63 4712 SBN JCBDSCH4(,JCB1),JCBMINTK SET ON NON-INIT. ATT. aa001 05526600		
aa290	05523180	04 OC72 B8 20 27 4713 TBN RB\$LEN+\$ATFLAG(,PRM2),\$ATQKINT ATTACHED VIA INIT? aa001 05527200	04	OCDF F4 02 50
		04 OC75 F2 90 03 4714 JF AT000295 NO, BYPASS SET OFF aa001 05527800		OC2E 09
aa290	05523200	05 OC78 78 10 63 4715 SBF JCBDSCH4(,JCB1),JCBMINTK SET OFF ATTACH NONI. aa001 05528400	05	OC3E 52
aa290	05523220	05 OC7B 35 01 0F84 4716 AT000295 L ATTCB,TCB1 RELOAD NEW TCB ADDR. aa001 05585000		OC4E 00
aa290	05523240	06 OC7F B8 08 1E 4717 TBN RB\$LEN+\$ATFLAG(,PRM2),\$ATDATA DATA TO PUT TO WSWA? aa001 05680000	06	OC5E 34 01 0F84
aa290	05523260	06 OC82 F2 90 0F 4718 JF AT000350 NO, BRANCH 05690000		OC9E 7D F6 68
aa290	05523280		06	OCCE F2 81 18
aa290	05523300	07 4719 * 05700000	07	OCF2 F2 81 12
		4720 * THIS IS HOW FIRST TIME SYSIN DATA IS WRITTEN TO THE SYSIN 05710000		
		4721 * WORK AREA FOR A TASK 05720000		
aa290	05523320	08 OC85 B5 02 2A 4723 L RB\$LEN+\$ATDATA(,PRM2),SYNZ POINT TO DATA 05740000	08	OCF5 7D FB 68
aa290	05523340	08 4724 * TWA FUNC-SYSPUT,TAG-TWA\$SINS,N-1,XL=YES,Q-QNREF 05750000		OCF8 F2 81 0C
aa290	05523360	09 OC88 F4 02 51 4725 SVC 81,QNREF ISSUE TWA REQUEST	09	OCFB 7D F7 68
aa290	05523370	09 OC8B 07 OC8B 4726 DC AL1(3*0+4) FUNCTION BYTE		OCFE F2 81 06
aa290	05523400	09 OC8C 0A OC8C 4727 DC AL1(TWA\$SINS) TAG		
aa290	05523420	10 OC8D 01 OC8D 4728 DC AL1(1) LENGTH (IN SECTORS)	10	OD01 0E 00 0060 OFBA
aa290	05523440	10 4729 *** END OF EXPANSION **		
aa290	05523460	11 OC8E 75 02 15 4730 L TCBJCB(,TCB1),JCB2 XR2-> JCB 05760000	11	
aa290	05523480	11 OC91 BA 20 02 4731 SBN JCBDSCH1(,JCB2),JCBMRTWA INDICATE DATA IN WSWA 05770000		
aa001	05523500	12 OC98 B5 02 17 4735 L TCBCRB(,TCB2),RB2 XR2-> CURRENT RB 05790000	12	OD07 35 02 0141
		12 OC9B B8 10 1E 4736 TBN RB\$LEN+\$ATFLAG(,PRM2),\$ATNONAM JOB NAME TO BE ASSIGNED? 05800000		
aa290	05523520	13 OC9E F2 10 35 4737 JT AT000360 NO, BYPASS ASSIGN 05810000	13	OD08 B5 02 17
		13 4738 * 05820000		OD0E 2C 08 0FD1 10
		14 4739 * ASSIGN A JOB NAME BY PACKING THE TIME OF DAY INTO 3 BYTES 05830000	14	OD13 B8 08 27
		14 4740 * 05840000		OD16 F2 90 03
		15 OCA1 75 02 17 4741 L TCBCRB(,TCB1),RB2 POINT TO ASSIGNED RB 05850000	15	OD19 7A 20 6E
		15 OCA4 E2 02 12 4742 LA RB\$LEN(,RB2),2 USE PART AS WORK AREA 05860000		
		15 4743 * \$TOD TYPE-D,C,Q-QXLOFF+QNREF GET TIME OF DAY aa185 05870000		
		16 OCA7 BC 08 00 4744 MVI OC,2),8 TIME IN DECIMAL.	16	OD1C 7C FF 4F
		16 OCA4 F4 06 50 4745 SVC 30,QXLOFF+QNREF		OD1F 5C 1E 4E 4F
		16 OCAD 0A4000 OCAF 4746 DC XL3'0A4000' TIME OF DAY REQUEST.		OD23 B8 40 1E
		17 4747 *** END OF EXPANSION **		OD26 7D 00 28
		17 OC80 34 01 0F84 4748 ST ATTCB,TCB1 STORE TCB ADDRESS 05880000	17	OD29 F2 91 22
		17 OC84 75 01 15 4749 L TCBJCB(,TCB1),JCB1 POINT TO JCB 05890000		
		17 OC87 D2 01 5F 4750 LA JCB0JOBN-2(,JCB1),JOB1 POINT TO JOB NAME FIELD 05900000		
		18 OC8A 68 01 00 02 4751 MZN OC,(JOB1),\$TRBTIME-5(,PAK2) MOVE IN JOB NAME HOUR 05910000	18	
		18 OC8E 68 03 00 03 4752 MZN OC,(JOB1),\$TRBTIME-4(,PAK2) MOVE IN JOB NAME HOUR 05920000		
		18 OCC2 68 01 01 04 4753 MZN 1(,JOB1),\$TRBTIME-3(,PAK2) MOVE IN JOB NAME MINUTE 05930000		
		19 OCC6 68 03 01 05 4754 MZN 1(,JOB1),\$TRBTIME-2(,PAK2) MOVE IN JOB NAME MINUTE 05940000	19	
		19 OCCA 68 01 02 06 4755 MZN 2(,JOB1),\$TRBTIME-1(,PAK2) MOVE IN JOB NAME SECOND 05950000		
		19 OCCE 68 03 02 07 4756 MZN 2(,JOB1),\$TRBTIME(,PAK2) MOVE IN JOB NAME SECOND 05960000		OD2C 1C 00 0D40 2B
		20 OCD2 35 01 0F84 4757 L ATTCB,TCB1 POINT TO TCB 05970000	20	OD31 0F 00 0D40 OFBA

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E 72 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT PAGE 73 V09/11/81 12/08/81 21:28	01 #SVAT TCB ATTACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC	OBJECT CODE
		02 001B 3182 TUBOPTS EQU TUBMIC+1 ERP MESSAGE OPTIONS	02	
		03 3184 *	03	
		03 3185 * SEE THE ERBDOPT FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.		
		04 3186 *	04	
		04 3188 *		

14	SCADTSVC C 001 0005 1831 1833				
	SCADTRUF C 001 0097 2199 2201				
	SCADTKS2 C 001 00AA 2261 2263 4970 4987 5033				
	SCADTL0K C 001 0002 2161 4595 4632				
15	SCADTR52 C 001 009A 2205 2207				
	SCADUCFG C 001 0006 2348 2349 2350 2351 2352 2368				
	SCADUUT1 C 001 0005 2349				
16	SCADUUT2 C 001 0003 2350				
	SCADUUT3 C 001 0001 2351				
	SCADUUT4 C 001 00CF 2352				
17	SCADVCE C 001 0055 2011 2013				
	SCADWDBR C 001 0087 2286 2288				
	SCADWDBT C 001 00AC 2273 2274 2275 2276 2277 2284				
18	SCADWRGA C 001 00A6 2237 2239				
	SCADWSQS C 001 0098 2201 2'03				
	SCADXM10 C 001 00C2 2300 2302 2312 2322				
19	SCADXM11 C 001 00C1 2302				
	SCADXM12 C 001 00C2 2312				
20	SCADXSLT C 001 0085 2129 2130				

14	SCAMCFG5 C 001 0004 1938				
	SCAMCLOG C 001 0010 1936				
	SCAMCLOK C 001 0002 2028				
	SCAMCIDE C 001 0001 1920				
15	SCAMCMAT C 001 0080 1910				
	SCAMCOUT C 001 0040 2085				
	SCAMCPAF C 001 0010 2087				
16	SCAMCPL C 001 0080 2074				
	SCAMCRAW C 001 0008 1900				
	SCAMCRT C 001 0010 2019				
17	SCAMDATE C 001 0008 2036				
	SCAMDCX C 001 0004 2324				
	SCAMDEAD C 001 0001 1940				
18	SCAMDELE C 001 0004 2089				
	SCAMDNA C 001 0010 2338				
	SCAMDOM C 001 0002 2038				
19	SCAMP0K C 001 00A5 1888				
	SCAMPUS C 001 005A 1889				
20	SCAMPREC C 001 0080 2109				

E06

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#SVAT TCB ATTACH TRANSIENT		PAGE 111 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0037 0C 00 0D48 0D4D	4806	MVC AT000366+2(C1),AT000366+4 MOVE OFFSET TO INSTRUCTION
02	003D 0C 00 0D4A 0D4D	4807	MVC AT000366+1(C1),AT000366+4 MOVE LENGTH-1 TO INSTR.
03	0043 0E 02 0D4D 0F80	4808	ALC AT000366+4(C3),ATMP ADD CONSTANT TO OFFSETS
03	0049 4C 00 00 0200	4809	AT000366 MVC *(<,TCB1),NUBSCA+NUBCPTCB+# MOVE IN CP'S ATRS
03	004E 75 02 17	4810	AT000367 L TCB<RBC,TCB1>,RB2 POINT TO ASSIGNED RB
04		4811 *	
04		4812 *	MOVE BOOTSTRAP CODE TO START TASK TO THE ASSIGNED RB
04		4813 *	
05	0051 8C 12 24 0FD1	4814	MVC RB<LEN+ATHLEN-1(CATHLEN,RB2)>,ATHCODE+ATHLEN-1 MOVE IN COD
05	0056 4C 01 21 0FB2	4815	MVC TCBA<PSMR(C2,TCB1)>,ATPMR MOVE IN PMR VALUE
05	005B 7C 14 60	4816	MVI TCBTQE+TQEFLG1+1-TQELEN,TCB1>,TQEREAL+TQEIN INIT. FLAG
06	005E E2 02 12	4817	LA RB<LEN,TCB1>,XR2 POINT TO LOADER CODE
06	0061 74 02 1F	4818	ST TCB<A1(RC,TCB1)>,XR2 STORE AS NEW CONTROL ADDR.
06	0064 E2 02 07	4819	LA ATMP<FC,XR2>,XR2 XR2-> FETCH PARAM LIST
07	0067 74 02 1B	4820	ST TCB<XR2,TCB1>,XR2 STORE POINTER TO PARAM
07	006A F4 00 0F	4821 *	SCB FUNC-GET,AREA-DRCT1,DISP-D10STIME
07		4822	SVC SWCSB,QO SCB GET/PUT SVC
08	006D 10	006D 4823	DC AL1(X'10'+0) FUNCTION BYTE
08	006E 70	006E 4824	DC AL1(D10STIME) DISPLACEMENT BYTE
08		4825 ***	END OF EXPANSION **
09	006F 34 02 0EE0	4826	ST ALSSS,XR2 STORE RESID. TIME
09	0073 4C 00 06 0EE0	4827	MVC TCB<T1(C1,TCB1)>,ALSSS MOVE IN TASK RESID. TIME
09	0078 C2 02 020C	4828	LA NUBCPTCB+TCBCHAIN-1,XR2 POINT TO QUEUE HEADER
10		4829 *	QUEUE DSP<L-TCBCHAIN-1
10	007C F4 00 0E	4830	SVC SV<QUEUE,QO SVC FOR USER QUEUE FUNCTION
10	007F 00	007F 4831	DC XL1'0' QUEUE HEADER DISPLACEMENT IS ZERO
11	0080 0C	0080 4832	DC AL1(TCBCHAIN-1) DISPLACEMENT TO QUEUEING FIELD
11	0081 00	0081 4833	DC AL1(C0+0) SYSTEM QUEUE FUNCTION
11		4834 ***	END OF EXPANSION **
12		4835 *	QUEUE DSP<L-TCBPRIQ-1,PRIOR-YES,QP-TCBPRIOR,DEV-QHPRIQ
12	0082 F4 00 0E	4836	SVC SV<QUEUE,QO SVC FOR SYSTEM QUEUE FUNCTION
12	0085 44	0085 4837	DC AL1(QHPRIQ) DISPLACEMENT TO DESIRED QUEUE HEADER
13	0086 6C	0086 4838	DC AL1(TCBPRIQ-1) DISPLACEMENT TO QUEUEING FIELD
13	0087 C5	0087 4839	DC AL1(X'80'+SYS+0+TCBPRIOR) SYSTEM QUEUE FUNCTION
13		4840 ***	END OF EXPANSION **
14	0088 1C 00 0D90 05	4841	MVC PRIOR#,TCBPRIOR(C1,TCB1) MOVE PRIORITY TO PARAM LIST @a354
14		4842 *TSV010	CHAP PRIOR-0 MACRO TO INSTALL PRIORITY @a354
14	008D F4 00 24	4843	ATSV010 SVC SV<CPRIQ,0 ISSUE SVC.
15	0090 00	0090 4844	DC AL1(C0) TASK'S NEW PRIORITY.
15		4845 ***	END OF EXPANSION **
15	0090	4846	ORG ATSV010+3 PARAMETER SETUP @a354
16	009C 00	0090 4847	PRIOR# DC XL1'0' TASKS NEW PRIORITY @a354
16	0091 78 01 79	4848	TBN TCBSUSPS,(TCB1),TCBW10SP TASK SUSPENDED DUE TO @a023
16	0094 F2 00 0C	4849	JF AT000369 NO, IT IS NOT
17	0097 C2 02 FEFD	4850	LA X'FEFD',XR2 YES, CALL MS ERP
17		4851 *	\$XFER ID-RC<PERR,REFRESH-YES CALL MS ERP XIENT
18	009B F4 01 04	4852	SVC 4,1
18	009E 1D	009E 4853	DC AL1(RC<PERR)
18		4854 ***	END OF EXPANSION **
19	009F 34 01 0F04	4855	ST ATCB,TCB1 STORE TCB POINTER
19		4856 *T000369	PIP AC<SW-AC<SUS<WAP
19	00A3 F4 00 0B	4857	AT000369 SVC SV<CPSVC,0
20	00A6 17	00A6 4858	DC AL1(AC<SUS<WAP)

#SVAT TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR
02		00A7 35 02 0141	
03		00AB 85 02 17	
04		00AE 2C 03 0FD5 26	
04		00B3 35 01 0FB4	
04		00B7 B9 80 27	
05		00BA 8D 00 00	
05		00BD 85 02 05	
05		00C0 F2 91 03	
06		00C3 F4 00 05	
07		00C6 34 02 0FB4	
08		00CA 35 02 0141	
08		00CE 85 02 17	
09		00D1 84 01 03	
09		00D4 8C 01 05 0FB4	
10		00D9 35 02 0141	
11		00DD 8F 00 74 0093	
11		00E2 F2 84 00	
12		00E5 8C 00 74	
12		00E8 8B 04 6E	
12		00EB F2 90 04	
14		00EE F4 00 04	
14		00F1 04	00F1
15			00F2
16		00F2 85 02 17	
16		00F5 85 01 03	
16		00FB 8D 00 02	
16		00FB 85 02 05	
16		00FE F2 81 0E	
18		00E1 00 03 0FD5 0FB9	
18		00E7 F2 81 05	
19		00EA F4 00 10	
19		00ED 0FD2	00ED
20			00F0

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01
02
03

#SVAT TCB ATTACH TRANSIENT		PAGE 75 V09/11/81 12/08/81 21:28	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		0080 3285	TUBUSUP EQU X'80' . USER DISPLAY IS UP
02		0040 3286	TUBUSSV EQU X'40' . USER DISPLAY SAVED
03		0020 3287	TUBSYLST EQU X'20' . SYSLIST DISPLAY UP
03		0010 3288	TUBMBDFC EQU X'10' . BROADCAST FAILURE
03		0008 3289	TUBMRDFA EQU X'08' . MRT PROC. WITH DATA ENTERED

#SVAT TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR
02		004A	
02		004B	
03		004C	
03		004D	

13	SCAMCGR C 001 0040 2055
14	SCAMCFGS C 001 0004 1938
	SCAMCLOG C 001 0010 1936
	SCAMCLOK C 001 0002 2028
15	SCAMCHDE C 001 0001 1920
	SCAMCNAT C 001 0080 1910
	SCAMCOUT C 001 0040 2085
16	SCAMCPAF C 001 0010 2087
	SCAMCPL C 001 0080 2074
	SCAMCRAW C 001 0008 1900
	SCAMCRT C 001 0010 2019
17	SCAMDATE C 001 0008 2036
	SCAMCKCF C 001 0040 2324
	SCAMDEAD C 001 0001 1940
18	SCAMDELE C 001 0004 2089
	SCAMDFA C 001 0010 2338
	SCAMDOM C 001 0002 2038
19	SCAMDPOK C 001 00A5 1888
	SCAMDPU5 C 001 005A 1889
20	SCAMDREC C 001 0080 2109

13	SCAMMSG C 001 0002 0008
14	SCAMPLATF C 001 0008 0002
	SCAMPLCAF C 001 0002 0080
	SCAMPLGER C 001 0080 0020
15	SCAMPLIN1 C 001 0010 0040
	SCAMPLIN2 C 001 0040 0020
	SCAMPLIN3 C 001 0010 0020
16	SCAMPLIN4 C 001 0010 0020
	SCAMPL5NF C 001 0020 0020
	SCAMPL0TR C 001 0020 0040
17	SCAMPL1TR C 001 0001 0010
	SCAMPL1TX C 001 0010 0002
18	SCAMPL2TR C 001 0020 0004
	SCAMPL2TX C 001 0020 0004
19	SCAMPL3TR C 001 0008 0008
	SCAMPL3TX C 001 0008 0008
20	SCAMPL4TR C 001 0008 0008
	SCAMPL4TX C 001 0008 0008
	SCAMPD32 C 001 0080 0080

E07

	INSTRUCTION	06167500
	TO INSTR.	06168000
	TO OFFSETS	06168500
	TRS	06169000
	IGNED RB	06170000
		06180000
		06190000
		06200000
	I MOVE IN COD	06210000
	LU	06220000
	IN INIT. FLAG	06230000
	R CODE	06240000
	ONTROL ADDR.	06250000
	RM LIST	06260000
	TO PARM	06270000
		06280000
		06290000
	ESID. TIME	06300000
	HEADER	06310000
		06320000
	ZERO	
	ELD	
	OPRIQ	06323000
	HEADER	
	LD	
	TION	
	RM LIST aa354	06326000
	Y aa354	06332000
	aa354	06334000
	aa354	06336000
	DUE TO aa023	06340000
		06350000
	RP	06360000
	ENT	06370000
	TER	06380000
		06390000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
01						
02		4859	***	END OF EXPANSION **		
		4860	*	TCB@ R-TCB2	XR2-> CURRENT TCB 06400000	
	0DA7	35 02 0141	L	321,TCB2	GET TCB ADDRESS.	
03		4862	***	END OF EXPANSION **		
	0DAB	B5 02 17	L	TCB@RB(C,TCB2),RB2	XR2-> CURRENT RB 06410000	
	0DAE	2C 03 0FD5 26	MVC	ATSSN+3(4),RB\$LEN+@ATSSN(RB2)	MOVE IN SSN OF NEXT 06420000	
04		0DB3	35 01 0F84	L	ATT@B,TCB1	POINT TO ASSIGNED TCB 06430000
	0DB7	B9 80 27	TBF	RB\$LEN+@ATFLAG1(C,RB2),@ATRF\$H	REFRESH ALWAYS ? 06440000	
	0DBA	BD 00 00	CLI	RB\$CHAIN-1(C,RB2),0	ANY MORE RB'S IN CHAIN ? 06450000	
05		0DBD	B5 02 05	L	RB\$XR2(C,RB2),XR2	LOAD XR2 VALUE PASSED 06460000
	0DC0	F2 91 03	JC	AT000370,X'91'	YES, EVERYTHING SET UP 06470000	
06		4870	*	UNSTK	UNSTACK RB FROM CHAIN 06480000	
	0DC3	F4 00 05	SVC	SVCUNSTK,0		
		4872	***	END OF EXPANSION **		
07		4877	AT000370	ST	ATT@B,XR2	STORE PASSED REGISTER 2 06490000
		4874	*	TCB@ R-TCB2	GET CURRENT TCB ADDRESS 06500000	
	0DCA	35 02 0141	L	321,TCB2	GET TCB ADDRESS.	
08		4876	***	END OF EXPANSION **		
	0DCE	B5 02 17	L	TCB@RB(C,TCB2),RB2	POINT TO RB 06510000	
	0DD1	B4 01 03	ST	RB\$XR1(C,RB2),TCB1	STORE ASSIGNED TCB @ 06520000	
09		0DD4	8C 01 05 0F84	MVC	RB\$XR2(C,RB2),ATT@B	MOVE IN PASSED REG. 2 06530000
		4880	*	TCB@ R-TCB2	GET CURRENT TCB ADDRESS 06540000	
	0DD9	35 02 0141	L	321,TCB2	GET TCB ADDRESS.	
10		4882	***	END OF EXPANSION **		
		4883	*	ENABL CANCEL-Y,TCB-TCB2	ALLOW CANCEL 06550000	
	0DD0	8F 00 74 0093	SLC	TCB@CNT(1,TCB2),NURS@A+SCAD@CNT1	DECREMENT CANCEL COUNT	
11		0DE2	F2 84 00	JP	EN1064	BYPASS CANCEL CHECK IF POSITIVE
	0DE5	8C 00 74	MVI	TCB@CNT(C,TCB2),0	RESET CANCEL COUNT TO ZERO	
12		0DE8	B8 04 6E	TBN	TCB@STAT4(C,TCB2),TCB@CNLPD	CANCEL PENDING ?
	0DEB	F2 90 04	JF	EN1064	NO,BYPASS EQJ	
13		4889	*	\$EQJ EQJ SVC		
		4890	*	LINKAGE TO END OF JOB ROUTINES		
	0DEE	F4 00 04	SVC	X'04',X'00'	EQJ SVC	
14		0DF1	04	DC	XL1'04'	EQJ RIB
		4893	*	END OF EXPANSION		
		4894	****	END OF EXPANSION **		
15		0DF2	895 EN1064	EQU *		
		4896	***	END OF EXPANSION **		
	0DF2	B5 02 17	L	TCB@RB(C,TCB2),RB2	XR2-> CURRENT RB 06560000	
16		0DF5	B5 01 03	L	RB\$XR1(C,RB2),TCB1	TCB ADDRESS ASSIGNED 06570000
	0DF8	BD 00 02	CLI	RB\$XR1-1(C,RB2),0	DID ATACH FAIL ? 06580.0	
	0DFB	B5 02 05	L	RB\$XR2(C,RB2),XR2	LOAD UP PASSED XR2 VALUE 06590000	
17		0DFE	F2 81 0E	JE	AT000380	YES, ATACH FAILED 06600000
	0E01	0D 03 0FD5 0FB9	CLC	ATSSN+3(4),ATZERO	PASS CONTROL TO NEXT XNT? 06610000	
18		0E07	F2 81 05	JE	AT000380	NO, EXIT TO CALLER 06620000
		4904	*	\$XFER S@a-ATSSN,REFRESH-NO		
19		0E0A	F4 00 10	SVC	16,0	
	0E0D	0FD2	OE0E	4906	DC	AL2(ATSSN)
20		4907	***	END OF EXPANSION **		

D07

01						
02		004A	3339	TUBRFSS	EQU TUBATTR9+2	REJECT FILE - SS
		004B	3340	TUBRFN	EQU TUBRFSS+1	REJECT FILE - NUMBER SECTORS
		004C	3341	TUBRFSS	EQU TUBRFN+1	REJECT FILE - CURRENT SECTOR

01					
02					

01					
02					

13	SCAMKEYS C 001 0080 2084
13	SCAMKXKF C 001 0080 2371
	SCAMKMSG C 001 0002 1919
	SCAMLATF C 001 0008 2327
14	SCAMLCAF C 001 0002 1929
	SCAMLGER C 001 0080 2145
	SCAMLIN1 C 001 0080 2178
15	SCAMLIN2 C 001 0040 2179
	SCAMLIN3 C 001 0020 2180
	SCAMLIN4 C 001 0010 2181
16	SCAML5MF C 001 0020 2305
	SCAMLOTR C 001 0020 2101
	SCAMLOTX C 001 0040 2100
17	SCAML1TR C 001 0001 1953
	SCAML1TX C 001 0010 1949
	SCAML2TR C 001 0002 1952
18	SCAML2TX C 001 0020 1948
	SCAML3TR C 001 0004 1951
	SCAML3TX C 001 0040 1947
19	SCAML4TR C 001 0008 1950
	SCAML4TX C 001 0080 1946
20	SCAMND32 C 001 0080 1933

13	SCAMSJZE C 001 0000
	SCAMSHF C 001 0020
14	SCAMSNFC C 001 0020
	SCAMSPM C 001 0040
	SCAMSNM C 001 0010
	SCAMSPB C 001 0001
15	SCAMSPGP C 001 0020
	SCAMSPOL C 001 0010
	SCAMSPRK C 001 0040
16	SCAMSRJE C 001 0020
	SCAMST C 001 0008
	SCAMSUBS C 001 0004
17	SCAMSWAP C 001 0004
	SCAMS32K C 001 0010
	SCAMS48K C 001 0018
18	SCAMS64K C 001 0020
	SCAMS96K C 001 0030
	SCAMTACT C 001 0001
19	SCAMTELL C 001 0001
	SCAMTOLD C 001 0002
20	SCAMUSF C 001 0002

EOB

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T TCB	06400000
T RB	06410000
GN OF NEXT	06420000
IGNED TCB	06430000
AYS ?	06440000
S IN CHAIN ?	06450000
E PASSED	06460000
NG SET UP	06470000
ROM CHAIN	06480000
REGISTER 2	06490000
CB ADDRESS	06500000
	06510000
D TCB @	06520000
D REG. 2	06530000
CB ADDRESS	06540000
	06550000
CANCEL COUNT	
IVE	
RO	
RB	06560000
SSIGNED	06570000
L ?	06580000
D XR2 VALUE	06590000
ILED	06600000
TO NEXT XNT?	06610000
ALLER	06620000
	06630000

#SVAT TCB ATTACH TRANSIENT			PAGE 113 V09/11/81 12/08/81 21:28		
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02	OE0F F4 00 11	4908 *T000380 EXIT 4909 AT000380 SVC SVCEXIT,QO 4910 *** END OF EXPANSION **		06640000	
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

#SVAT TCB ATTACH		
01	ERR LOC OBJECT CODE	
02		
03		
04	OE12 34 08 0F80 OE16 30 00 0F83 OE1A F2 81 20	
05	OE10 35 02 0F84 OE21 8D 01 37 0F OE26 F2 81 09	
06	OE29 2C 02 0E8C OE2E C0 87 0E8F	
07	OE32 8D 00 32 OE35 F2 81 09	
08	OE38 B5 01 33	
09	OE3B F4 00 07 OE3E 0030 OE40 01	
10		
11		
12		
13	OE41 E2 01 00 OE44 F4 00 07 OE47 0080 OE49 01	
14		
15	OE4A 35 01 0F80 OE4E 1C 00 0E56 OE53 C2 01 0000	
16	OE57 35 02 0141	
17	OE5B B5 02 17 OE5E B5 02 05 OE61 C0 87 0DC6	
18		
19		
20		

D03

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#SVAT TCB ATTACH TRANSIENT			PAGE 77 V09/11/81 12/08/81 21:28		
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02		0004 3393 TURBOCUT EQU X'04' . ENTER HAS BEEN PRESSED AT THE SUBCNLS			

#SVAT TCB ATTACH

	SUB\$GET C 001 0001 3541		SUB\$LOC C 001 0027
16	SUB\$TNV C 001 0040 3686		SUB\$MDTA C 001 0010
	SUB\$NRP C 001 0080 3549		SUB\$MSTDY C 001 0080
	SUB\$NRPV C 001 0010 3577		SUB\$NCOM C 001 0004
	SUB\$PRAL C 001 0080 3565		SUB\$OPSTS C 001 0030
17	SUB\$PSTH C 001 0008 3581		SUB\$OUTL C 001 0008
	SUB\$PTH C 001 0028 3529		SUB\$PCFGA C 001 0022
	SUB\$PTHM C 001 0008 3530		SUB\$QSHDR C 001 0034
18	SUB\$PUT C 001 0002 3542		SUB\$RAHD C 001 0080
	SUB\$RCD C 001 0008 3544		SUB\$RECL C 001 0043
	SUB\$REL C 001 0010 3545		SUB\$RELC C 001 0004
19	SUB\$SACQ C 001 0030 3547		SUB\$RQCD C 001 0020
	SUB\$SKIP C 001 0080 3510		SUB\$SGN C 001 0010
20	SUB\$SPRC C 001 0040 3521		

E11

PAGE 115 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 116 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TR
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
	07041000	4974 *		07060000	
*****	aa290 07041500	4975 * DEALLOC IS CALLED TO FREE UP TASK WORK AREA SPACE. ATALLSZ		07070000	
	aa290 07042000	4976 * CONTAINS THE SS AND TRACK SIZE TO FREE		07080000	
	aa290 07042500	4977 *		07090000	
*****	07043000	OE8F 4978 DEALLOC EQU *		07100000	
	07044000	OE9A 4979 USING DE000010,BAS2 USE AS A BASE AREA		07110000	
SUBROUTINE	aa290 07044500	OE9A 4979 USING DE000010,BAS2 USE AS A BASE AREA		07120000	OE22 C2 01 OEDD
	aa290 07045000	OE93 B4 08 3F 4980 LA DE000010,BAS2 LOAD BASE REGISTER		07130000	OE23 C2 02 02A2
SIZE TO 0	aa290 07045500	OE93 B4 08 3F 4981 ST RTDEALL+3(C,BAS2),ARR STORE CALLER'S ARR		07140000	OE24 C2 02 02A2
ER BYTE	aa290 07046000	OE96 C2 01 02A2 4982 LA NU8TWAXR,F51 POINT TO ALLOC. BIT MASK		07150000	OE25 C2 04 04 05
	aa290 07046500	OE9A 9C 04 47 05 4983 DE000010 MWC ATSVELM(TWAXN-TWAXMAP,BAS2),TWAXN-TWAXMAP(C,F51) MAP		07160000	OE26 C2 01 A9 03
	aa290 07047000	OE9E BC 01 2B 4984 DE000020 MVI DE000050+1(C,BAS2),X'01' INIT. MASK TO X'01'		07170000	OE27 C2 00 04 37
	aa290 07047500	OE9A 9C 04 47 05 4985 DE000030 CLC ATSVSSVL(2,BAS2),ATALLSZ-1(C,BAS2) UP TO AREA TO FREE ?		07180000	OE28 C2 00 29 04
ATORS	aa290 07048000	OE9A 9C 04 47 05 4986 JE DE000050 YES, GO DEALLOCATE TRACK		07190000	OE29 C2 00 49 04
	aa290 07048500	OE9A 9C 04 47 05 4987 ALC ATSVSSVL(2,BAS2),NU8SCA+SCADTKS2 ADD SECTORS/TRACK aa041		07200000	OE30 C2 00 74 04
S/TRACK	aa290 07049000	OE9A 9C 04 47 05 4988 DE000040 ALC DE000050+1(C,BAS2),DE000050+1(C,BAS2) DOUBLE Q-CODE		07210000	OE31 C2 00 00 00
CKS	aa290 07049500	OE9A 9C 04 47 05 4989 BNOL DE000030(C,BAS2) NOT OVERFLOW		07220000	OE32 C2 02 4B
		OE9A 9C 04 47 05 4990 A ALMONE(C,BAS2),F51 BACK UP BIT MASK		07230000	OE33 C2 02 76
		OE9A 9C 04 47 05 4991 SLC ATSV#BYT(1,BAS2),DE000020+1(C,BAS2) DECR. # BYTES		07240000	OE34 C2 00 A5 A4
		OE9A 9C 04 47 05 4992 BH DE000020(C,BAS2) CHECK NEXT BYTE		07250000	OE35 C2 01 3F
		OE9A 9C 04 47 05 4993 L ATSVCHAN(C,BAS2),F51 POINT TO NEXT BIT MASK		07260000	OE36 C2 01 A9 00AA
		OE9A 9C 04 47 05 4994 B DE000010(C,BAS2) CHECK NEXT CHAIN		07270000	OE37 C2 00 00
		OE9A 9C 04 47 05 4995 DE000050 SBN 0(C,F51),# FREE UP TRACK		07280000	OE38 C2 01 10
		OE9A 9C 04 47 05 4996 SLC ATALLSZ(1,BAS2),DE000020+1(C,BAS2) DECREMENT AMOUNT FREED		07290000	OE39 C2 01 03 A9
		OE9A 9C 04 47 05 4997 BH DE000040(C,BAS2) NOT DONE, FREE NEXT		07300000	OE40 C2 00 0000 00
		4998 * GPOST MASK-TCBSWAIT POST ALLOCATE WAITORS		07310000	OE41 C2 00 A5 A4
		4999 SVC SVCGPOST,0		07320000	OE42 C2 07 0E
		OE01 40 OED1 5000 DC AL1(TCBSWAIT)		07330000	OE43 C2 00 59 3F
		OE02 00 OED2 5001 DC AL1(0)		07340000	OE44 C2 00 00
		5002 *** END OF EXPANSION **		07350000	OE45 C2 00 A5 37
		OE03 B5 02 EA 5003 L ATTCBC(C,BAS2),TCB2 XR2-> ASSIGNED TCB		07360000	OE46 C2 04 3B
		OE06 CO 87 0000 5004 RTDEALL B # RETURN TO CALLER		07370000	OE47 C2 00 3F 3F
		OE0A OEDC 5005 ATALLSZ DS CL3 TCBSSN HOLD AREA		07380000	OE48 C2 20 39
		OE0D OEE1 5006 ATSVELM DS CL5 SAVE ELEMENT ADDRESS		07390000	OE49 C2 02 AD
		OE0E 5007 ATSVSSVL EQU ATSVELM-1 SS START VALUE		07400000	OE50 C2 00 04 37
		OE0E 5008 ALLSS EQU ATSVSSVL SS VALUE ALLOCATED		07410000	OE51 C2 02 36
		OE0E 5009 ATSVCHAN EQU ATSVELM-3 FORWARD CHAIN ADDRESS		07420000	OE52 C2 00 0000 00
		OE0E 5010 ATSV#BYT EQU ATSVELM # BYTES IN INDEX		07430000	OE53 C2 00 00
				07440000	OE54 C2 02 01
				07450000	OE55 C2 00 10
				07460000	OE56 C2 02 A7
				07470000	OE57 C2 02 3D A4
				07480000	OE58 C2 01 04
				07490000	OE59 C2 35
				07500000	OE60 C2 04 A7

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PAGE 79 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH TRANSIENT	PAGE 80 V09/11/81 12/08/81 21:28		#SVAT TCB ATTACH T
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
	00843000	3504 *****			
	*	3505 * SESSION UNIT BLOCK (SUB)			
	*	3506 *****			
	*	0000 3508 SUBECM EQU TUBECM EVENT CONTROL MASK			
	*	0080 3510 SUB\$SKIP EQU TUB\$SKIP . NO SKIP BIT			
	* 07 *	3511 * BITS 1&2 NOT USED			
	* EFFL *	3512 * BITS 3-7 MUST BE ZERO			

	* OF *				

15	SUBLINE C 001 0001 3654	15	SVC10 C 001 0041 2447
	SUBLN2 C 001 0002 3655		SVCBTR C 001 005C 2458
	SUBLOC C 001 0027 3621		SVCLDATR C 001 000C 2406
	SUBM DATA C 001 0010 3640		SVCLDAD C 001 0052 2456
16	SUBMRDTA C 001 0008 3671	16	SVCLOG C 001 001A 2420
	SUBMSTDY C 001 0080 3639		SVCMOVEI C 001 002A 2437
	SUBNCOM C 001 0004 3670		SVCOP C 001 00F4 2482
	SUBOPSTS C 001 0030 3624		SVCPRR C 001 000D 2407
	SUBOUTL C 001 0008 3555 3556 3557	17	SVCPOST C 001 0003 2397
	SUBPCFG C 001 0022 3618		SVCPOSTA C 001 0019 2419
18	SUBQSHDR C 001 0034 3626	18	SVCPOSTI C 001 002B 2438
	SUBRAHD C 001 0080 3667		SVCPPSVC C 001 000B 2405
	SUBRECL C 001 0043 3678 3679		SVCPQSVC C 001 004C 2452
	SUBREL C 001 0004 3660	19	SVCPRP C 001 0026 2433
19	SUBRQCD C 001 0020 3669		SVCPRIQ C 001 0024 2431
	SUBSGN C 001 0010 3631	20	SVCPT C 001 0042 2448
20			

E12

PAGE 116 V09/11/81 12/08/81 21:28		*SVAT TCB ATTACH TRANSIENT	PAGE 117 V09/11/81 12/08/81 21:28		*SVAT TCB ATTACH TRANSIENT
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
	07060000	02	5012 *		07320000
	07070000		5013 * ALLOC IS CALLED TO ALLOCATE TASK WORK AREA SPACE IN A CONTIGUOUS		07330000
	07080000		5014 * FASHION ACCORDING TO THE TRACK SIZE PASSED IN ATALSIZ. THE		07340000
	07090000	03	5015 * ALLOCATED SS IS RETURNED IN ALSSS.		07350000
	07100000		5016 *		07360000
	07110000	04	OEE2 5017 ALLOC EQU *		07370000
	07120000		OEDD 5018 USING ATSVCHAN-1,BAS1 USE AS A BASE AREA		07380000
	07130000		OEE2 C2 01 OEDD 5019 LA ATSVCHAN-1,BAS1 LOAD BASE REGISTER		07390000
	07135000	05	OEE6 74 08 A3 5020 ST RTALLOC+3C,BAS1,ARR STORE CALLER'S ARR		07400000
	07140000		OEE9 C2 02 O2A2 5021 ALLO0005 LA NUBTWAXR,F52 POINT TO FORMAT 5		07405000
	07160000		OEDD 6C 04 04 05 5022 ALLO0010 MVC ATSVELM(TWAXN-TWAXMAP,BAS1),TWAXN-TWAXMAP(F52) MAP		07410000
	07170000	06	OEF1 5C 01 A9 03 5023 MVC ALSSE(2,BAS1),ALSSE(,BAS1) INIT. END ADDRESS		07420000
	07180000		OEF5 5F 00 04 37 5024 SLC ATSV#BYT(1,BAS1),ALLO0020+(1,BAS1) DECR. BY 1		07422000
	07190000		OEF9 5C 00 29 04 5025 MVC ALLO0015+(1,BAS1),ATSV#BYT(,BAS1) MOVE IN L-1		07424000
	07200000	07	OEFD 5C 00 49 04 5026 MVC ALLO0045+(1,BAS1),ATSV#BYT(,BAS1) MOVE IN L-1		07426000
	07210000		OF01 5C 00 74 04 5027 MVC ALLO0075+(1,BAS1),ATSV#BYT(,BAS1) MOVE IN L-1		07428000
	07212000		OF05 6C 00 00 00 5028 ALLO0015 MVC ALSAVE(,BAS1),0C,F52) SAVE MASTER PATTERN		07440000
	07213000	08	OF09 74 02 4B 5029 ST ALLO0045+3C,BAS1),F52 STORE POINTER		07443000
	07213000		OF0C 74 02 76 5030 ST ALLO0075+3C,BAS1),F52 STORE POINTER		07446000
	07213000		OF0F 5C 00 A5 A4 5031 MVC ALSIZ(1,BAS1),ATALSIZ(,BAS1) MOVE IN SIZE		07450000
	07214000	09	OF13 7C 01 3F 5032 ALLO0020 MVI ALLO0040+(1,BAS1),X'01' INIT. BIT TO TEST		07460000
	07215000		OF16 4E 01 A9 00AA 5033 ALLO0030 ALC ALSSE(2,BAS1),NUBSCA+SCADTKSZ ADD SECTORS/TRACK		07470000
	07215000		OF1B 88 00 00 5034 ALLO0040 TBN 0C,F52),# TRACK AVAILABLE ?		07480000
	07240000	10	OF1E F2 10 10 5035 JT ALLO0050 YES, ALLOCATE IT		07490000
	07250000		OF21 5C 01 03 A9 5036 MVC ALSSS(2,BAS1),ALSSE(,BAS1) NO, SET NEW START SS		07500000
	07260000	11	OF25 1C 00 0000 D0 5037 ALLO0045 MVC #(,ALSAVE(,BAS1) RESTORE MASTER PATTERN		07510000
	07270000		OF2A 5C 00 A5 A4 5038 MVC ALSIZ(1,BAS1),ATALSIZ(,BAS1) RESTORE SIZE		07520000
	07270000		OF2E F2 87 0E 5039 J ALLO0070 GO CONTINUE		07530000
	07275000	12	OF31 5C 00 59 3F 5040 ALLO0050 MVC ALLO0060+(1,BAS1),ALLO0040+(1,BAS1) MOVE IN MASK		07540000
	07280000		OF35 8B 00 00 5041 ALLO0060 SBF 0C,F52),# INDICATE ALLOCATED		07550000
	07290000	13	OF38 5F 00 A5 37 5042 SLC ALSIZ(1,BAS1),ALLO0020+(1,BAS1) ALLOCATED ALL ?		07560000
	07290000		OF3C F2 04 3B 5043 JNH ALLO0080 YES, ALLOCATION DONE		07570000
	07290000	14	OF3F 5E 00 3F 3F 5044 ALLO0070 ALC ALLO0040+(1,BAS1),ALLO0040+(1,BAS1) DOUBLE Q-CODE		07580000
	07291000		OF43 D0 20 39 5045 BNOL ALLO0030(,BAS1) NOT DONE BRANCH		07590000
	07292000	15	OF46 76 02 AD 5046 A ALMONE(,BAS1),F52 BUMP TO NEXT BYTE		07600000
	07293000		OF49 5F 00 04 37 5047 SLC ATSV#BYT(1,BAS1),ALLO0020+(1,BAS1) DONE WITH AREA		07610000
	07294000		OF4D D0 02 36 5048 BNOL ALLO0020(,BAS1) NO, CHECK NEXT BYTE		07630000
	07295000	16	OF50 1C 00 0000 D0 5049 ALLO0075 MVC #(,ALSAVE(,BAS1) RESTORE MASTER PATTERN		07640000
	07295000		OF55 7D 00 00 5050 CLI ATSVCHAN-1(,BAS1),0 ANY MORE CHAINS ?		07640700
	07295000	17	OF58 75 02 01 5051 L ATSVCHAN(,BAS1),F52 GO CHECK CHAIN OF		07641400
	07295000		OF5B D0 01 10 5052 BNE ALLO0010(,BAS1) INDEX ELEMENTS		07642100
	07295000	18	OF5E 75 02 A7 5053 L ATTCB(,BAS1),TCB2 XR2-> ASSIGNED TCB		07642800
	07295000		OF61 9C 02 3D A4 5054 MVC ATSVSIZE(3,TCB2),ATALSIZ(,BAS1) SAVE SIZE AND ARR		07643500
	07295000		5055 * \$XFER ID-RSVTX,REFRESH=YES CALL #SVTX		07644200
	07295000	19	OF65 F4 01 04 5056 SVC 4,1		07644200
	07295000		OF68 35 OF68 5057 DC AL1(RSVTX)		07644200
	07295000		5058 *** END OF EXPANSION **		07644200
	07295000	20	OF69 74 02 A7 5059 ST ATTCB(,BAS1),TCB2 STORE TCB ADDRESS		07644900

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ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
	*****	02	000C 3558 SUBSSBA EQU SUBBASGNL+2 ADDRESS OF SESSION OCL CNTL. BLOCK		02
	*****		000E 3559 SUBXSCRA EQU SUBSSBA+2 ADDRESS OF SUBSYSTEM CONTROL TABLE		03
	*****	03	0010 3560 SUBBUBA EQU SUBXSCRA+2 ADDRESS OF ASSOCIATED BUB		03
	*****		0010 3561 SUBSNUBA EQU SUBBUBA ADDRESS OF ASSOCIATED SNUB		04
	*****		0010 3562 SUBTSUBA EQU SUBBUBA ADDRESS OF TARGET SUB		04
	*****	04	0011 3564 SUBBFLG EQU SUBBUBA+1 FLAG BYTE FOR BUFFER USAGE		04
	*****		0080 3565 SUB\$PRAL EQU X'80' . BUFFER IS PREALLOCATED		04

14	SVCISAM	C	001	0008	2402
15	SVCISIO	C	001	0041	2447
	SVCCKBTR	C	001	005C	2458
	SVCCLDATR	C	001	000C	2406
16	SVCLOAD	C	001	0052	2456 5102
	SVCLOG	C	001	001A	2420
	SVCMOVEI	C	001	002A	2437
	SVCOP	C	001	00F4	2482
17	SVCPMR	C	001	000D	2407 4192
	SVCPOST	C	001	0003	2397 4647 4664
	SVCPOSTA	C	001	0019	2419
18	SVCPOSTI	C	001	002B	2438
	SVCPPSVC	C	001	000B	2405 4634 4857
	SVCPSVC	C	001	004C	2452
19	SVCPPREP	C	001	0026	2433
	SVCPRIQ	C	001	0024	2431 4843
20	SVCPT	C	001	0042	2448

14	SVCISAM	C	001	0008	2402
15	SVCISIO	C	001	0041	2447
	SVCCKBTR	C	001	005C	2458
	SVCCLDATR	C	001	000C	2406
16	SVCLOAD	C	001	0052	2456 5102
	SVCLOG	C	001	001A	2420
	SVCMOVEI	C	001	002A	2437
	SVCOP	C	001	00F4	2482
17	SVCPMR	C	001	000D	2407 4192
	SVCPOST	C	001	0003	2397 4647 4664
	SVCPOSTA	C	001	0019	2419
18	SVCPOSTI	C	001	002B	2438
	SVCPPSVC	C	001	000B	2405 4634 4857
	SVCPSVC	C	001	004C	2452
19	SVCPPREP	C	001	0026	2433
	SVCPRIQ	C	001	0024	2431 4843
20	SVCPT	C	001	0042	2448

14	SWJ	C	001	0001	0112
	SWZ	C	001	0002	0113
15	SW3	C	001	0003	0114
	SYN1	C	001	0001	4153
	SYN2	C	001	0002	4154
16	SYS	C	001	0040	1056
	TAB1	C	001	0001	4159
	TAB2	C	001	0002	4160
17	TASFAIL	C	001	0020	0505
	TCBARR	C	001	001D	2658
18	TCBARIAR	C	001	001F	2659
	TCBAINL1	C	001	0024	2662
	TCBAINL2	C	001	0025	2663
19	TCBAINL3	C	001	0026	2664
	TCBAINL4	C	001	0027	2665
20	TCBAPSMR	C	001	0021	2660

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UDOUS	07220000	07330000	
	07340000	07350000	
	07360000	07370000	
	07380000	07390000	
	07400000	07405000	
MAP	07410000	07420000	
	07422000	07424000	
	07426000	07428000	
	07440000	07443000	
	07446000	07450000	
aa041	07460000	07470000	
	07480000	07490000	
	07500000	07510000	
ERN	07520000	07530000	
	07540000	07550000	
	07560000	07570000	
	07580000	07590000	
	07600000	07610000	
	07630000	07640000	
	07642000	07643500	
	07644200	07644900	

#SVAT TCB ATTACH TRANSIENT			PAGE 118 V09/11/81 12/08/81 21:28		
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02	OF6C 6C 02 A4 3D	5060 MVC ATALSIZ(3,BAS1),ATSVSIZ(,TCB2) RESTORE SIZE AND ARR		07645600	
	OF70 D0 81 0C	5061 BE ALL00005(,BAS1) GO CHECK NEXT		07646300	
03		5062 * 07647000			
		5063 * ALLOCATE HAS FAILED 07647700			
		5064 * 07648400			
04	OF73 75 02 A4	5065 L ATALSIZ(,BAS1),SIZ2 LOAD UP SIZE REQUIRED		07650000	
	OF76 5E 01 A3 AB	5066 ALC RTALLOC+3(2,BAS1),ALCON3(,BAS1) ADD 3 TO IAR		07660000	
05	OF7A 75 01 A7	5067 ALLO0080 L ATTCB(,BAS1),TCB1 RELOAD TCB ADDRESS		07670000	
	OF7D C0 87 0000	5068 RTALLOC B # RETURN TO CALLER		07680000	
06					
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#SVAT TCB ATTACH TRANSIENT			PAGE 118 V09/11/81 12/08/81 21:28		
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02					
03	OF81				
	OF82				
04	OF83 0000				
	OF85				
	OF87 0003				
	OF89 FFFF				
05	OF8B				
06	OF8E 30				
	OF8F 0030				
	OF91 0601				
07	OF93 0E01				
	OF95 08				
	OF96 00000000				
08	OF9A 01				
09					
10	OF9B C800				
	OF9D CA07				
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#SVAT TCB ATTACH TRANSIENT			PAGE 82 V09/11/81 12/08/81 21:28		
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02		001A 3610 SUBSRES2 EQU SUBSRES1+1 RESERVED FOR SUBSYSTEM USE			
		001C 3611 SUBXCHNA EQU SUBSRES2+2 CHAIN POINTER TO NEXT XSUB			
03		001B 3612 SUBSRES3 EQU SUBSRES2+1 RESERVED FOR SUBSYSTEM USE			
		001C 3613 SUBSRES4 EQU SUBSRES3+1 RESERVED FOR SUBSYSTEM USE			
		001E 3614 SUBASGNA EQU SUBXCHNA+2 ADDRESS OF ASSIGNED AREA			

#SVAT TCB ATTACH TRANSIENT			PAGE 82 V09/11/81 12/08/81 21:28		
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT			
02					
03					

15	SW1	C 001	0001	0112	0156	0159	0160	0163	0164	0165	0166	0167	0168			
	SW2	C 001	0002	0113	0176	0177	0187	0188	0189	0190						
	SW3	C 001	0003	0114	0200	0201	0202	0203	0204	0206	0207	0210	0211	0212	0213	
	SYN1	C 001	0001	4153												
	SYN2	C 001	0002	4154	4723*											
16	SYS	C 001	0040	1056	4615	4839										
	TAB1	C 001	0001	4159												
	TAB2	C 001	0002	4160												
17	TASFAIL	C 001	0020	0505												
	TCBARR	C 001	001D	2658	2659	4271*	4272	4272*	4273	4273*	4274	4274*	4278	4329*	4333*	4347*
					4348	4350	4352	4362*	4365	4365*	4366	4368	4375*	4376	4378	
18	TCB@IAR	C 001	001F	2659	2660	4818*										
	TCB@INL1	C 001	002A	2662	2663											
	TCB@INL2	C 001	0025	2663	2664											
19	TCB@INL3	C 001	0026	2664	2665											
	TCB@INL4	C 001	0027	2665	4399*	4400*	4407	4409								
20	TCB@PSMR	C 001	0021	2660	2661	4815*										

15	TCB@KWT	C 001	0020	258												
	TCB@MEPD	C 001	0002	259												
	TCB@MPPD	C 001	0001	274												
	TCB@SKTR	C 001	0040	277												
	TCB@SKWT	C 001	0010	258												
16	TCB@UMP	C 001	0020	277												
	TCB@WAIT	C 001	0010	255												
	TCB@ECPNR	C 001	002F	267												
17	TCB@ECPGW	C 001	002B	267												
	TCB@EXIT	C 001	005F	269												
	TCB@EXTRA	C 001	0020	259												
18	TCB@FORCD	C 001	0020	254												
	TCB@FSWAP	C 001	0004	254												
	TCB@WAIT	C 001	0002	257												
19	TCB@WAIT	C 001	0020	255												
	TCB@DMPPT	C 001	0002	274												
20	TCB@CKWT	C 001	0004	258												

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02	07645600		
	07646300		
03	07647000		
	07647700		
04	07648400		
	07650000		
	07660000		
	07670000		
	07680000		

#SVAT TCB ATTACH TRANSIENT		PAGE 119 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		5070 * CONSTANTS AND WORK AREAS	07700000
		5071 * NOTE THAT ATALSIZ MUST RESIDE DIRECTLY AFTER THE RETURN ADDRESS	07703000
		5072 * !!!!!	07706000
03	OFB1	OFB1 5073 ATALSIZ DS CL1 ALLOCATION SIZE	07710000
	OFB2	OFB2 5074 ALSIZ DS CL1 ALLOCATION SIZE WORK AREA	07720000
	OFB3 0000	OFB4 5075 ATTTCB DC AL2(*) ASSIGNED TCB ADDRESS	07770000
04	OFB5	OFB6 5076 ALSSE DS CL2 SS OF NEXT AREA	07850000
	OFB7 0003	OFB8 5077 ALCON3 DC XL2'0003' CONSTANT OF 3	07870000
	OFB9 FFFF	OFB8 5078 ALMONE DC XL2'FFFF' CONSTANT OF -1	07880000
05	OFB8	OFAD 5079 ALSAVE DS CL(NULTWAX) BIT MASK SAVE AREA	07885000
		5080 * DO NOT SEPARATE NEXT THREE BYTES	07910000
	OFAE 30	OFAE 5081 DC AL1(TCBATRS-31) OFFSET TO FIRST ATR	07920000
06	OFAF 0030	OFB0 5082 ATMAP DC AL2(TCBATRS-31) INITIAL ATR SLOT ADDRESS	07930000
	OFB1 0601	OFB2 5083 ATPMRR DC XL2'0601' PMR/PSR FOR EA,EB AND I OFF	07940000
	OFB3 0E01	OFB4 5084 ATPMRL DC XL2'0E01' PMR/PSR FOR EA,EB AND I ON	07950000
07	OFB5 08	OFB5 5085 ATCON8 DC XL1'08' NO. SECTORS IN 2K	07960000
	OFB6 00000000	OFB9 5086 ATZERO DC XL4'00000000' CONSTANT OF ZERO	07970000
		OFB6 5087 ATCX0800 EQU ATCON8*1 CONSTANT OF X'0800'	07980000
08	OFBA 01	OFBA 5088 ATCONONE DC XL1'01' CONSTANT OF ONE	07990000
		5089 *TPROCN DS CL8 PROC NAME HOLD	08010000
		5090 *	08011000
09		5091 * DON'T SEPARATE NEXT 4 BYTES	08012000
		5092 * DO NOT SEPARATE NEXT FOUR BYTES	08015000
		5093 *	08017000
10	OFBB C800	OFBC 5094 INITLDA DC AL2(IWARKAR@) LINK ADDRESS OF C800 aa298	08020000
	OFBD CA07	OFBE 5095 INITSC@ DC AL2(IWENTRY@) START CONTROL ADDRESS aa298	08030000

#SVAT TCB ATTACH TRANSIENT		PAGE 119 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE		
02			
03			
04		OFBF F4 05 52	
		OFC2 0A	
05		OFC3 F4 00 11	
06		OFC6	
07		OFD2	
08			
09			
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#SVAT TCB ATTACH TRANSIENT		PAGE 83 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		003A 3665 SUBATTR6 EQU TUBATTR6 ATTRIBUTE BYTE 6	
03		0080 3667 SUBRAHD EQU TUBUSUP . READ AHEAD DONE	
		0040 3668 SUBO412 EQU TUBUSSV . O411/12 RETURN CODE GIVEN	
04		0020 3669 SUBROCD EQU TUBSYLST . ROCD RECEIVED IN READ AHEAD MODE	

#SVAT TCB ATTACH TRANSIENT		PAGE 83 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE		
02			
03			
04			

14	TCBDEWAI C 001 0008 2583	
	TCBDKO C 001 0001 2760	
	TCBDBKWT C 001 0020 2583	
	TCBDMNEPD C 001 0002 2598	
15	TCBDMPPD C 001 0001 2749	
	TCBDSKTR C 001 0040 2775	
	TCBDSKWT C 001 0010 2584	
16	TCBDUMP C 001 0020 2776	
	TCBDWAIT C 001 0010 2557 2563	
	TCBECMER C 001 002F 2678	
17	TCBECMGW C 001 002B 2672	
	TCBEXIT C 001 005F 2690 2691 2692	
	TCBEXTRA C 001 0020 2594	
18	TCBFORCD C 001 0020 2544	
	TCBFSWAP C 001 0004 2548	
	TCBFWAIT C 001 0002 2576	
19	TCBGWAIT C 001 0020 2556 2563	
	TCBHDMPY C 001 0002 2748	
	TCBICXWT C 001 0004 2586	
20		

14	TCBCKM C 001 0008 2598	
	TCBKWAIT C 001 0001 2577	
	TCBLCKDI C 001 0080 2695	
	TCBLCKHI C 001 0004 2700	
15	TCBLCKMK C 001 0069 2694 2704	
	TCBLCKPI C 001 0008 2699	
	TCBLCKSI C 001 0040 2696	
16	TCBLCKSP C 001 0002 2701	
	TCBLCKVI C 001 0020 2697	
	TCBLCKSI C 001 0010 2698	
17	TCBLDISK C 001 005A 2686 2687	
	TCBLDREL C 001 0057 2684 2685	
	TCBLEN C 001 0080 2815 4225	
18	TCBLINWT C 001 0040 2582	
	TCBLONGW C 001 0010 2545	
	TCBNBATH C 001 0010 2756	
19	TCBNMAXID C 001 00E0 2735 4489	
	TCBNMIC C 001 0057 2685	
	TCBNRTPX C 001 0072 2765 2766	
20		

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07700000		
07703000		
07706000		
07710000		
07720000		
07770000		
07850000		
07870000		
07880000		
07885000		
07910000		
07920000		
07930000		
07940000		
07950000		
07960000		
07970000		
07980000		
07990000		
08010000		
08011000		
08012000		
08015000		
08017000		
08020000		
08030000		

#SVAT TCB ATTACH TRANSIENT		PAGE 120	V09/11/81	12/08/81	21:28
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02		5097 *		08170000	
		5098 *	THIS IS THE BOOTSTRAP CODE MOVED TO THE RB WHEN STARTING	08180000	
		5099 *	A NEW TASK	08190000	
03		5100 *		08200000	
	OFBF 5101	ATMCD	EQU *	08210000	
	OFBF F4 05 52	5102	SVC SVCLOAD,QAUIT+QXLOFF	08220000	LOAD ROUTINE
04	OF2 0A	OFC2 5103	DC AL1(\$LDMSLD)	08230000	
		5104 *	EXIT	08240000	
	OFC3 F4 00 11	5105	SVC SVCEXIT,QO		
05		5106 ***	END OF EXPANSION **		
	OFC6 5107	ATMPRM	EQU *	08250000	LOAD PARAMETER LIST
		0007 5108	ATMOFF EQU ATMPRM-ATMCD	08260000	
06	OFC6	OFD1 5109	DS CL(\$LDLEN)	08270000	
		OFD2 5110	ATMCD EQU *	08280000	
		0013 5111	ATMLEN EQU ATMCD-ATMCD	08290000	LENGTH OF BOOTSTRAP CODE
07		OFD2 5112	ATSSN EQU *	08300000	SSN VALUE OF TRANSIENT
	OFD2	OFD5 5113	DS CL4	08310000	TO EXIT TO IS / TACH WAS
08					
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#SVAT TCB ATTACH TRANSIENT					
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02	OFF4			5115	
	OFF4 FFFF			OFF5 5116	
	OFF6 C3C9D4D3			OFF9 5117	
03	OFFA			OFFA 5118	
				OFFE 5119	
				5120	
04				0800 5121	LENGTH OF MODULE IS
				2047	
05					
06					
07					
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#SVAT TCB ATTACH TRANSIENT		PAGE 84	V09/11/81	12/08/81	21:28
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02		3693 *	TWAEQ	00850000	
		3694 *			
		3695 *	GENERAL TASK WORK AREA ACCESS EQUATES		
03		3696 *			
	0001 3697	TWAPUT EQU X'01'	PUT TO TASK WORK AREA		

#SVAT TCB ATTACH TRANSIENT					
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02				0027 37	
				0033 37	
				37	
03				003C 37	
				37	

14	TCBKWAIT C 001 0001 2577
	TCBLCKDI C 001 0080 2695
	TCBLCKHI C 001 0004 2700
15	TCBLCKMK C 001 0069 2694 2704
	TCBLCKPI C 001 0008 2699
	TCBLCKSI C 001 0040 2696
16	TCBLCKSP C 001 0002 2701
	TCBLCKVI C 001 0020 2697
	TCBLCKV1 C 001 0010 2698
17	TCBLDISK C 001 005A 2686 2687 2688
	TCBLDREL C 001 0057 2684 2685 2686
	TCBLEN C 001 0080 2815 4225 4236 4236 4236* 4943
18	TCBLINWT C 001 0040 2582
	TCBLONGU C 001 0010 2545
	TCBMABTM C 001 0010 2756
19	TCBMAXID C 001 00E0 2735 4489
	TCBMIC C 001 0057 2685
20	TCBMRTMK C 001 0072 2765 2766

14	TCBPRSN1 C 001 0001 0001
	TCBPRSP C 001 0001 0001
	TCBPRSRJ C 001 0001 0001
15	TCBPRSWT C 001 0001 0001
	TCBPRUDH C 001 0001 0001
	TCBPRUDL C 001 0001 0001
16	TCBPRUDM C 001 0001 0001
	TCBPTWT C 001 0001 0001
	TCBPUSH C 001 0001 0001
17	TCBQCNT C 001 0001 0001
	TCBQWAT C 001 0001 0001
	TCBRDYQ C 001 0001 0001
18	TCBRGS12 C 001 0001 0001
	TCBRSE C 001 0001 0001
	TCBRTUB C 001 0001 0001
19	TCBRWAT C 001 0001 0001
	TCBSDTAC C 001 0001 0001
20	TCBSDTSD C 001 0001 0001

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STARTING	08170000
	08180000
	08190000
	08200000
	08210000
NE	08220000
	08230000
	08240000
ETER LIST	08250000
	08260000
	08270000
	08280000
BOOTSTRAP CODE	08290000
OF TRANSIENT	08300000
IS A TACH WAS	08310000

#SVAT TCB ATTACH TRANSIENT		PAGE 121 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02	OFF4	5115	ORG X'OFF4'
	OFF4 FFFF	OFF5 5116	DC XL2'FFFF'
	OFF6 C3C9D4D3	OFF9 5117	DC CL4'CIML'
03	OFFA	OFFA 5118 #CIML	EQU *
		OFFE 5119	DS CL5
04		5120 */*.END CHANGE ACTIVITY - #SVAT	
		0800 5121	END #SVAT
	LENGTH OF MODULE IS	2047	
05			
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01	SYMBOL T LEN VA
02	\$AIDATTN C 001 0001
	\$AIDCLER C 001 0001
03	\$AIDCM01 C 001 0001
	\$AIDCM02 C 001 0001
04	\$AIDCM03 C 001 0001
	\$AIDCM04 C 001 0001
	\$AIDCM05 C 001 0001
05	\$AIDCM06 C 001 0001
	\$AIDCM07 C 001 0001
	\$AIDCM08 C 001 0001
06	\$AIDCM09 C 001 0001
	\$AIDCM10 C 001 0001
	\$AIDCM11 C 001 0001
07	\$AIDCM12 C 001 0001
	\$AIDCM13 C 001 0001
08	\$AIDCM14 C 001 0001
	\$AIDCM15 C 001 0001
	\$AIDCM16 C 001 0001
	\$AIDCM17 C 001 0001
09	\$AIDCM18 C 001 0001
	\$AIDCM19 C 001 0001
	\$AIDCM20 C 001 0001
10	\$AIDCM21 C 001 0001
	\$AIDCM22 C 001 0001
	\$AIDCM23 C 001 0001
11	\$AIDCM24 C 001 0001
	\$AIDENR C 001 0001
	\$AIDGATJ C 001 0001
12	\$AIDHELP C 001 0001
	\$AIDHLPE C 001 0001
	\$AIDINQY C 001 0001
13	\$AIDIOER C 001 0001
	\$AIDPRNT C 001 0001
	\$AIDRBKS C 001 0001
14	\$AIDRECO C 001 0001
	\$AIDREDY C 001 0001
	\$AIDRLDN C 001 0001
15	\$AIDRLSE C 001 0001
	\$AIDRLUP C 001 0001
	\$AIDSYRQ C 001 0001
16	\$AIDTEST C 001 0001
	\$ATBATCH C 001 0001
17	\$ATCOMMON C 001 0001
	\$ATCREAT C 001 0001
	\$ATDATA C 001 0001
18	\$ATDATA0 C 001 0001
	\$ATERRO1 C 001 0001
	\$ATERRO2 C 001 0001
19	\$ATERRO3 C 001 0001
	\$ATERRO4 C 001 0001
20	\$ATERRO5 C 001 0001

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00850000	

#SVAT TCB ATTACH TRANSIENT		PAGE 85 V09/11/81 12/08/81 21:28	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		0027 3747 TWA*STAT EQU 39	. STATUS SAVE AREA (39-50)
		0033 3748 TWA*ERPS EQU 51	TAG 51- I/O ERP SAVE AREA FOR MSG BUILD
		3749 *	TAG 52- RESERVED THRU 59
03		003C 3750 TWA*CSM EQU 60	TAG 60- CONSOLE SYSLOG MESSAGE QUEUE.
		3751 *	TAG 119- END OF CONSOLE MESSAGE QUEUE.
		3752 *	

01	ERR LOC OBJECT C
02	
03	

14	TCBPRSNR C 001 00F0 2614
15	TCBPRSN1 C 001 00F0 2613
16	TCBPRSP C 001 00F0 2605
17	TCBPRSRJ C 001 00F0 2616
18	TCBPRSWT C 001 0000 2628
19	TCBPRUDH C 001 00E0 2629
20	TCBPRUDL C 001 00B0 2637
	TCBPRUDM C 001 00D1 2630
	TCBPTRTJ C 001 00B0 2581
	TCBPUSH C 001 000B 2645 2646 4355 4358
	TCBQCNT C 001 0007 2641 2642
	TCBQWAIT C 001 0008 2571
	TCBRDYQ C 001 000F 2647 2648 2649
	TCBRGSIZ C 001 002D 2674 2677 4301* 4347 4375 4399 4418 4431 4433 4436 4460 4688 4698*
	TCBRSE C 001 0027 2666 2670
	TCBRTUB C 001 0013 2650 2653 4528* 4568* 4599
	TCBRWAIT C 001 0004 2575
	TCBSDTAC C 001 0002 2794
	TCBSDTSO C 001 0040 2791

14	TCBTSSN C 001 002A
15	TCBTTC C 001 0051
16	TCBTTIME C 001 0006
17	TCBTWA C 001 0053
18	TCBTWACL C 001 0004
19	TCBTWAIT C 001 0004
20	TCBUDMPR C 001 0080
	TCBWAFLG C 001 007A
	TCBWAIT C 001 0080
	TCBWAITD C 001 0080
	TCBWIOSP C 001 0001
	TCBWMASK C 001 0002
	TCBWMASK2 C 001 0003
	TCBWSILK C 001 0004
	TCBWSWA C 001 0055
	TCBWAIT C 001 0010
	TCBX C 001 007D
	TCBXNTQ C 001 0011
	TCBXWAIT C 001 0040

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01	
02	08355000
	08360000
	08370000
	08380000
	08390000
	08425000
	08430000

CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	\$AIDATTN	C	001	00F2	3781	
03	\$AIDCLER	C	001	00B0	3780	
03	\$AIDCM01	C	001	0031	3784	
04	\$AIDCM02	C	001	0032	3785	
04	\$AIDCM03	C	001	0033	3786	
04	\$AIDCM04	C	001	0034	3787	
05	\$AIDCM05	C	001	0035	3788	
05	\$AIDCM06	C	001	0036	3789	
05	\$AIDCM07	C	001	0037	3790	
06	\$AIDCM08	C	001	0038	3791	
06	\$AIDCM09	C	001	0039	3792	
06	\$AIDCM10	C	001	003A	3793	
07	\$AIDCM11	C	001	003B	3794	
07	\$AIDCM12	C	001	003C	3795	
07	\$AIDCM13	C	001	00B1	3797	
08	\$AIDCM14	C	001	00B2	3798	
08	\$AIDCM15	C	001	00B3	3799	
08	\$AIDCM16	C	001	00B4	3800	
09	\$AIDCM17	C	001	00B5	3801	
09	\$AIDCM18	C	001	00B6	3802	
09	\$AIDCM19	C	001	00B7	3803	
10	\$AIDCM20	C	001	00B8	3804	
10	\$AIDCM21	C	001	00B9	3805	
10	\$AIDCM22	C	001	00BA	3806	
11	\$AIDCM23	C	001	00BB	3807	
11	\$AIDCM24	C	001	00BC	3908	
11	\$AIDENR	C	001	00F1	3772	
12	\$AIDGATJ	C	001	00FC	3812	
12	\$AIDHELP	C	001	00F3	3777	
12	\$AIDHLPE	C	001	00FB	3779	
13	\$AIDINQY	C	001	00F2	3783	
13	\$AIDIOER	C	001	0001	3809 4655	
13	\$AIDPRNT	C	001	00F6	3776	
14	\$AIDRBKS	C	001	00F8	3778	
14	\$AIDRECO	C	001	00FE	3811	
15	\$AIDREDY	C	001	00FA	3782	
15	\$AIDRLDN	C	001	00F4	3775	
15	\$AIDRLSE	C	001	00FF	3810	
15	\$AIDRLUP	C	001	00F5	3774	
16	\$AIDSYRQ	C	001	00F0	3773	
16	\$AIDTEST	C	001	003D	3796	
16	\$ATACHER	C	001	0001	0247 4390 4690	
17	\$ATBATCH	C	001	0090	0233	
17	\$ATCOMMON	C	001	0040	0241 4252	
17	\$ATCREAT	C	001	0080	0220 0231 0232 0233	
18	\$ATDATA	C	001	0008	0226 0231 4717	
18	\$ATDATAA	C	001	0018	0249 0250 4528 4723	
18	\$ATERRO1	C	001	0001	0256 4421	
19	\$ATERRO2	C	001	0002	0257 4456	
19	\$ATERRO3	C	001	0003	0259 4448	
19	\$ATERRO4	C	001	0004	0262 4232	
20	\$ATERRO5	C	001	0005	0263 4514	

02	\$ATERRO6	C	001	0006	
03	\$ATERRO7	C	001	0007	
04	\$ATFLAG1	C	001	0015	
04	\$ATFRPRM	C	001	0001	
05	\$ATINIC	C	001	0010	
05	\$ATINIT	C	001	00EC	
06	\$ATJCBa	C	001	0010	
06	\$ATLOAD	C	001	000B	
06	\$ATMSSIZ	C	001	000D	
07	\$ATNCNIQ	C	001	0002	
07	\$ATNONAM	C	001	0010	
07	\$ATNRTUB	C	001	0004	
08	\$ATNSWAP	C	001	0002	
08	\$ATPRIV	C	001	0004	
09	\$ATQINT	C	001	0020	
09	\$ATREAL	C	001	0040	
10	\$ATREFRS	C	001	0080	
10	\$ATSSND	C	001	0014	
10	\$ATSYSTK	C	001	0008	
11	\$ATTSKID	C	001	0016	
11	\$ATTUBa	C	001	0010	
12	\$LDAMID	C	001	0010	
12	\$LDLEN	C	001	000C	
13	\$LDLINK	C	001	0005	
13	\$LDLOAD	C	001	0008	
14	\$LDORLD	C	001	0008	
14	\$LDSS	C	001	0002	
15	\$LDOSTRT	C	001	0007	
15	\$LDOTEXT	C	001	0003	
16	\$LDOTOT	C	001	0009	
16	\$LDFETCH	C	001	0004	
17	\$LDMFCHA	C	001	0006	
17	\$LDMFCH	C	001	00G4	
18	\$LDMLD	C	001	0002	
18	\$LDMFCH	C	001	000E	
19	\$LDMSLD	C	001	000A	
19	\$LDMSSLD	C	001	0001	
20	\$LDRELD	C	001	0001	
20	\$LDSFTCH	C	001	0008	
20	\$LDTOADR	C	001	0002	
20	\$TRBDATE	C	001	000D	
20	\$TRBFLG1	C	001	0000	
20	\$TRBFLG2	C	001	0001	
20	\$TRBLEN	C	001	000E	
20	\$TRBTIME	C	001	0007	
20	\$WSALARM	C	001	0004	
20	\$WSBLCUR	C	001	0010	

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01	
02	9-50)
	OR MSG BUILD
03	PAGE QUEUE.

#SVAT TCB ATTACH TRANSIENT			
01	ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		3763 *	\$WSEQ 00870000
		3764 *	*****
		3765 *	*
03		3766 *	EQUATES FOR WORK STATION VALUES *

01	
02	
03	

14	TCBTPC	C	001	0051	2681	2682	4826*	4845*	4882*
	TCBTIME	C	001	0006	2639	2641	4827*		
15	TCBTWACL	C	001	0004	2747				
	TCBTWAIT	C	001	0004	2559	2563			
	TCBUDMPR	C	001	0080	2784				
16	TCBWAF LG	C	001	007A	2797	2801			
	TCBWAIT	C	001	0080	2542				
	TCBWAITD	C	001	0080	2554	2563			
17	TCBWIOSP	C	001	0001	2795	4656	4848		
	TCBWMASK	C	001	0002	2565	2579			
	TCBWMASK2	C	001	0003	2579	2590			
18	TCBWSILK	C	001	0004	2779				
	TCBWSWA	C	001	0055	2683	2684	4541* 4542 4550*		
	TCBWAIT	C	001	0010	2570				
19	TCBX	C	001	007D	2808	2810			
	TCBXNTQ	C	001	0011	2649	2650			
20	TCBXWAIT	C	001	0040	2555				

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CROSS-REFERENCE																			
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES													
03	\$ATERRO6	C	001	0006	0264	4469													
	\$ATERRO7	C	001	0007	0265	4540													
	\$ATFLAG	C	001	000C	0219	0234 4212 4423 4524 4717 4736 4797													
04	\$ATFLAG1	C	001	0015	0239	0248 4238 4247 4252 4390 4526 4690 4713 4789 4866													
	\$ATFRPRM	C	001	0001	0230	4212													
	\$ATINCJC	C	001	0010	0243														
	\$ATINIT	C	001	00EC	0231														
05	\$ATJCB@	C	001	0010	0237	4529 4535													
	\$ATLENG	C	001	0019	0250	4199 4199 4199* 4216													
	\$ATLOAD	C	001	000B	0218	0219 4254* 4255 4265* 4277 4788 4788*													
06	\$ATMSSIZ	C	001	000D	0234	0235 4289 4292* 4293													
	\$ATNCNIQ	C	001	0002	0246	4247													
	\$ATNONAM	C	001	0010	0224	0232 0233 4736													
07	\$ATNRTUB	C	001	0004	0245	4526													
	\$ATNSWAP	C	001	0002	0229	4423													
	\$ATPRIOR	C	001	000E	0235	0236 4480													
08	\$ATPRIV	C	001	0004	0228	0231 0232													
	\$ATQINT	C	001	0020	0242	4238 4713													
	\$ATREAL	C	001	0040	0221	0231 0232 4797													
09	\$ATFRFRSH	C	001	0080	0240	4866													
	\$ATSPOOL	C	001	00D4	0232														
	\$ATSSSN	C	001	0014	0238	0239 4864													
10	\$ATSYSTK	C	001	0008	0244	4789													
	\$ATTSKID	C	001	0016	0248	0249 4481													
	\$ATTUB@	C	001	0010	0236	0237 0238 4547													
11	\$ATTUBAS	C	001	0020	0222	0231 4524													
	\$LDMID	C	001	0010	1591														
	\$LDDL EN	C	001	000C	1579	4788 5109													
12	\$LDDLINK	C	001	0005	1573	1574 4255* 4261 4262													
	\$LDDLLOAD	C	001	000B	1578	1579 4243*													
	\$LDDRDL	C	001	0008	1575	1577 4246*													
13	\$LDSS	C	001	0002	1571	1572													
	\$LDDSTRT	C	001	0007	1574	1575 4244* 4254 4522													
	\$LDDTEXT	C	001	0003	1572	1573 4242* 4276													
14	\$LDDTOT	C	001	0009	1577	1578 4245*													
	\$LDFETCH	C	001	0004	1589	1600													
15	\$LDMFCHA	C	001	0006	1601	1602													
	\$LDMF TCH	C	001	00G4	1600	1601													
	\$LDMLOAD	C	001	0002	1598	1599													
16	\$LDMSFCH	C	001	000E	1602														
	\$LDMSSLD	C	001	000A	1599	5103													
	\$LDMSSLD	C	001	0001	1597														
17	\$LDRELAD	C	001	0001	1587	1597													
	\$LDSF TCH	C	001	0008	1590	1599 1602													
	\$LDTOADR	C	001	0002	1588	1598 1601													
18	\$TRBDATE	C	001	000D	2836	2838													
	\$TRBFLG1	C	001	0000	2830	2832													
	\$TRBFLG2	C	001	0001	2832	2834													
	\$TRBLEN	C	001	000E	2838														
19	\$TRBTIME	C	001	0007	2834	2836 4751 4752 4753 4754 4755 4756													
	\$WSALARM	C	001	0004	3827														
20	\$WSBLCUR	C	001	0010	3825														

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#SVAT TCB ATTACH TRANSIENT																			
01	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT											
02	*	*	*	*	*	*	*	*											
03	*	*	*	*	*	*	*	*											
03					3815	*													
					3816	*	TWO	BYTE	WRITE	CONTROL	CHARACTER								
					3817	*													

15	TQFLNK	C	001	0007	2888	2890	
	TQFMN	C	001	0003	2879		
	TQREAL	C	001	0010	2865	4816	
16	TQERSVD1	C	001	0020	2864		
	TQESDLOG	C	001	0004	2880	2882	
	TQETCB	C	001	0000	2876		
	TQETOD	C	001	0001	2869		
17	TQETOX	C	001	0005	2885	2888	
	TQETU	C	001	0002	2868		
	TQETYPF	C	001	000F	2883		
18	TQETYPL	C	001	0004	2882		
	TQEWAIT	C	001	0040	2863		
	TRALOAD	C	001	0080	0449		
19	TRUE	C	001	0010	0800		
	TUB\$ACTV	C	001	0080	2991		
20	TUB\$CHPL	C	001	0040	2992	4620	

15	TUB\$SVH	C	001	0010			
	TUBABTRM	C	001	0001			
	TUBACN	C	001	0040			
	TUBAID	C	001	0025			
16	TUBALRM	C	001	0080			
	TUBAPRNT	C	001	003E			
	TUBASENT	C	001	0020			
	TUBASGNB	C	001	0043			
17	TUBASGND	C	001	0004			
	TUBASGNL	C	001	0041			
	TUBATTRA	C	001	0054			
18	TUBATTRB	C	001	0058			
	TUBATTRC	C	001	0058			
	TUBATTRI	C	001	0035			
19	TUBATTR2	C	001	0036			
	TUBATTR3	C	001	0037			
20	TUBATTR4	C	001	0038			

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CROSS-REFERENCE	
02	SYMBOL T LEN VALUE DEFN REFERENCES
03	\$WSBLDIS C 001 0040 3823
	\$WSBLNK C 001 0008 3838
	\$WSCLMRK C 001 0010 3839
04	\$WSEASE C 001 00C0 3819
	\$WSHINT C 001 0002 3836
	\$WSNODIS C 001 0007 3840
	\$WSRBLCR C 001 0020 3824
05	\$WSRBLDS C 001 0080 3822
	\$WSRSMOT C 001 0040 3820
	\$WSRSMG C 001 0002 3828
06	\$WSRVIMG C 001 0001 3835
	\$WSSMSG C 001 0001 3829
	\$WSUNLOK C 001 0008 3826
07	\$WSUNSCR C 001 0004 3837
	# C 001 0000 0784 4372 4809 4809 4809* 4948 4972 4995 5004 5028 5034 5037 5037*
	# C 001 0000 0784 5041 5049 5049* 5068 5075
08	## C 001 0000 0785
	#C1ML A 001 OFFA 5118 4242 4245 4246
	#SVAT A 001 0800 0002 5121
09	a C 001 0002 0786
	ACECHAIN C 001 0001 0077 0078 4614 4626
	ACECPERR C 001 0010 0089
10	ACECSCL C 001 0000 0085
	ACEIAR C 001 0003 0078 0079
	ACEINUSE C 001 0008 0091
11	ACEIOCHN C 001 0020 0087
	ACELEN C 001 0010 0099 4585
	ACELOG C 001 0010 0088
12	ACEMAB C 001 0005 0079 0080
	ACEMASK C 001 00FE 0095
	ACEMSCL C 001 0080 0084 4604
13	ACEMWAIT C 001 0008 0090
	ACEPARM1 C 001 0006 0080 0081
	ACEPARM2 C 001 0007 0081 0082
14	ACEPARM3 C 001 0008 0082 0083
	ACEPRIV C 001 0040 0086 4604
	ACEQUITES C 001 0001 0094
15	ACETCBA C 001 000F 0098 0099 4588* 4598 4602 4602 4602* 4621
	ACETYPE C 001 0009 0083 0096 4604*
	ACEXLOFF C 001 0004 0093 4604
16	ACEXR1 C 001 000B 0096 0097 4603* 4629
	ACEXR2 C 001 000D 0097 0098
	ACE1 C 001 0001 4143 4588 4591 4597* 4598 4602 4602 4603 4604 4621 4629
17	ACE2 C 001 0002 4144 4591* 4597
	ACSWAD C 001 001A 0187
	ACSWBDCH C 001 002C 0147
18	ACSWCACH C 001 0014 0135
	ACSWCOMB C 001 00F7 0213
	ACSWCSQ C 001 0042 0177
19	ACSWCX C 001 0013 0200
	ACSWDISK C 001 0060 0145
20	ACSWECS C 001 001F 0212

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15	TUB\$SVH	C	001	0010			
	TUBABTRM	C	001	0001			
	TUBACN	C	001	0040			
	TUBAID	C	001	0025			
16	TUBALRM	C	001	0080			
	TUBAPRNT	C	001	003E			
	TUBASENT	C	001	0020			
	TUBASGNB	C	001	0043			
17	TUBASGND	C	001	0004			
	TUBASGNL	C	001	0041			
	TUBATTRA	C	001	0054			
18	TUBATTRB	C	001	0058			
	TUBATTRC	C	001	0058			
	TUBATTRI	C	001	0035			
19	TUBATTR2	C	001	0036			
	TUBATTR3	C	001	0037			
20	TUBATTR4	C	001	0038			

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#SVAT TCB ATTACH TRANSIENT	
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
02	3864 * 110 RESERVED
	3865 * 111 SIGNED NUMERIC
03	3866 * FW2 0 AUTO ENTER WHEN FIELD IS EXITED
	3867 * 1 FIELD EXIT REQUIRED
	3868 * 2 FORCE UPPER CASE ALPHA
	3869 * 3 RESERVED
04	3870 * 4 MANDATORY ENTER

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01	
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15	TUBACN	C	001	0040	3220	3629		
	TUBAID	C	001	0025	3209	3210		
	TUBALRM	C	001	0080	3315			
16	TUBAPRNT	C	001	003E	3295	3296	3676	
	TUBASENT	C	001	0020	3317			
	TUBASGNA	C	001	0043	3300	3302		
17	TUBASGND	C	001	0004	2996			
	TUBASGNL	C	001	0041	3299	3300		
	TUBATTRA	C	001	0054	3385	3396		
18	TUBATTRB	C	001	0058	3399	3409		
	TUBATTRC	C	001	005B	3411	3422		
	TUBATTR1	C	001	0035	3217	3228	3628	
19	TUBATTR2	C	001	0036	3228	3250	3637	
	TUBATTR3	C	001	0037	3250	3261	3643 4605 4618*	
	TUBATTR4	C	001	0038	3261	3272	3651 4650	
20								

15	TUBCMD	C	001	0005	3012	3023		
	TUBCMSK	C	001	0050	3371	3372		
	TUBCMSK1	C	001	004E	3344	3353		
16	TUBCMSK2	C	001	004F	3353	3362		
	TUBCMSK3	C	001	0050	3362	3371		
	TUBCONDN	C	001	0024	3199	3209		
17	TUBCONPL	C	001	0001	2989	3001		
	TUBCOUNT	C	001	0009	3040	3042		
	TUBCPATD	C	001	0026	3210	3211		
18	TUBCTSAV	C	001	003C	3294	3295		
	TUBDATA	C	001	0007	3039	3040		
	TUBDEVIC	C	001	0003	3025			
19	TUBDEVID	C	001	0014	3157	3165		
	TUBDEXTA	C	001	0053	3381	3385		
20	TUBDGTUB	C	001	005A	3409	3411		

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CROSS-REFERENCE						
G2	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	ACSWERR	C	001	0082	0176	
	ACSWFD	C	001	0010	0131	
	ACSWFDCA	C	001	0089	0163	
04	ACSWFDCB	C	001	0049	0164	
	ACSWFDCC	C	001	0029	0165	
	ACSWFDCCD	C	001	0019	0166	
	ACSWFDSA	C	001	0040	0129	0145
05	ACSWFDSB	C	001	0020	0130	0145
	ACSWFSDC	C	001	0088	0136	
	ACSWFSDS	C	001	0048	0137	
06	ACSWGFP	C	001	0048	0206	
	ACSWGRC	C	001	0040	0168	
	ACSWIOXT	C	001	004C	0141	0149
07	ACSWIOXN	C	001	002C	0142	0147 0148
	ACSWIOCH	C	001	0085	0159	
	ACSWIOS	C	001	0045	0160	
08	ACSWKBTR	C	001	008E	0188	
	ACSWLDR	C	001	0047	0202	
	ACSWLOG	C	001	004E	0189	
09	ACSWMIIN	C	001	004C	0149	
	ACSWMISV	C	001	002C	0148	
	ACSWMV	C	001	0087	0201	
10	ACSWMPRT	C	001	008D	0167	
	ACSWPTIN	C	001	0028	0138	
	ACSWPTS	C	001	0041	0156	
11	ACSWSPF	C	001	0080	0128	
	ACSWSQP	C	001	002B	0207	
	ACSWSWAP	C	001	0017	0204	4858
12	ACSWTMR	C	001	0024	0134	
	ACSWTR	C	001	002E	0190	
	ACSWTWA	C	001	0027	0203	
13	ACSWWSCH	C	001	0084	0132	
	ACSWWSTS	C	001	002F	0211	
	ACSWWSVC	C	001	0044	0133	4635
14	ACSWXTST	C	001	004F	0210	
	ADACTIVE	C	001	0004	0427	
	ADCDMPRQ	C	001	0001	0652	
15	ADCFIND	C	001	0002	0651	
	ADCMATCH	C	001	0010	0648	0655
	ADCREAL	C	001	0040	0646	0655
16	ADCRESET	C	001	00FC	0655	
	ADCTASK	C	001	0080	0645	0655
	ADCTBF	C	001	0004	0650	0655
17	ADCTBN	C	001	0008	0649	0655
	ADCVRFY	C	001	0020	0647	0655
	ADEXIT	C	001	0080	0421	
18	ADINQURY	C	001	0020	0423	
	ADITRMOD	C	001	0002	0428	
	ADRSTOMP	C	001	0020	0437	
19	ADSCO960	C	001	0040	0436	
	ADSTOPN	C	001	0080	0435	
20	ADSTPMDD	C	001	0001	0429	

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G2	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	ADSTPTSK	C	001	0010	0440	
	ADSYSDMP	C	001	0040	0422	
	ADTRACE	C	001	0010	0424	
04	ADWAITING	C	001	0008	0426	
	AFINPROG	C	001	0040	0472	
	ALCON3	A	002	0F88	5077	5066
05	ALLBIT	C	001	00FF	0808	
	ALLOC	A	001	0EE2	5017	4466
	ALLOHIGH	C	001	0000	4165	4166
	ALLONEXT	C	001	0002	4167	
06	ALLOSIZE	C	001	0001	4166	4167
	ALLO0005	A	004	0EE9	5021	5061
	ALLO0010	A	004	0EED	5022	5052
07	ALLO0015	A	004	0F05	5028	5025
	ALLO0020	A	003	0F13	5032	5024
	ALLO0030	A	005	0F16	5033	5045
08	ALLO0040	A	003	0F18	5034	5032
	ALLO0045	A	005	0F25	5037	5026
	ALLO0050	A	004	0F31	5040	5035
09	ALLO0060	A	003	0F35	5041	5040
	ALLO0070	A	004	0F3F	5044	5039
	ALLO0075	A	005	0F50	5049	5027
10	ALLO0080	A	003	0F7A	5067	5043
	ALMONE	A	002	0F8A	5078	4990
11	ALSAVE	A	035	0FAD	5079	5029
	ALSIZ	A	001	0F82	5074	5031
	ALSSS	A	005	0EE0	5008	4476
12	ALSSE	A	002	0F86	5076	5023
	ARR	C	001	0008	0779	4556
	ASGNERR	C	001	0080	0471	
	ASGNFAIL	C	001	0080	0503	
13	ASGNPAGE	C	001	0010	0474	
	ASGNRTRY	C	001	000F	0476	
	ASGNSEQ	C	001	0020	0473	
14	ASGNWATR	C	001	0008	0475	
	ATALLSZ	A	003	0EDC	5005	4694
	ATALSIZ	A	001	0F81	5073	4478
15	ATCONONE	A	001	0F8A	5088	4286
	ATCONS	A	001	0F85	5085	5087
16	ATCX0800	A	001	0F86	5087	4287
	ATERORR	A	001	0E12	4916	4231
	ATEO030	A	003	0E32	4925	4922
	ATEO050	A	003	0E41	4940	4926
17	ATEO060	A	004	0E4A	4946	4919
	ATEO070	A	004	0E53	4948	4947
	ATMAP	A	002	0F80	5082	4808
18	ATMCDED	A	001	0F02	5110	5111
	ATMCODE	A	001	0F8F	5101	4788
	ATMLN	C	001	0013	5111	4814
19	ATMOFF	C	001	0007	5108	4788
	ATMPRM	A	001	0FC6	5107	5108
20	ATMPRL	A	002	0F84	5084	4521

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*SVAT TCB ATTACH TRANSIENT			
G2	ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
02			3889 * WSPL 00883000
03			3891 * 3892 * PARAMETER LIST EQUATES FOR
04			3893 * SYSTEM REQUESTS TO WORK STATION DATA MANAGEMENT 3894 *

*SVAT TCB ATTACH TRANSIENT			
G2	ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
02			39
03			0003 39
04			0001 39 0002 39

16	TUBLOP	C	001	0020	3276	3659	
	TUBLTOFF	C	001	0040	3316		
	TUBMBOCF	C	001	0010	3288		
	TUBMCMD	C	001	0020	3240		
17	TUBMCN	C	001	0080	3219		
	TUBMCNSL	C	001	0040	3238		
	TUBMCOUT	C	001	0004	3393		
18	TUBMDATA	C	001	0010	3241	3640	
	TUBMDDTA	C	001	0010	3318		
	TUBMDME	C	001	0070	3242		
19	TUBMENUA	C	001	0008	3245		
	TUBMENU2	C	001	0020	3331		
	TUBMHELP	C	001	0004	3419		
20	TUBMHOLD	C	001	0010	3389		

16	TUBRAMER	C	001	0001	3421		
	TUBRCBK	C	001	0004	3378		
	TUBRCNCL	C	001	0083	3022		
	TUBRDMOD	C	001	0001	3395		
17	TUBRDYTP	C	001	0001	3311		
	TUBRDYPD	C	001	0001	3336		
	TUBREADY	C	001	0008	3308		
18	TUBREL	C	001	0004	3279	3666	
	TUBREXEC	C	001	0080	3020	4601	
	TUBRFSS	C	001	004C	3341	3341	
19	TUBRFDSP	C	001	004D	3342	3342	
	TUBRFN	C	001	004B	3340	3340	
	TUBRFSS	C	001	004A	3339	3340	
20	TUBRTISU	C	001	0004	3008		

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CROSS-REFERENCE									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES			
03	ATPMRR	A	002	0FB2	5083	4815			
	ATR1	C	001	0001	4151				
	ATR2	C	001	0002	4152				
04	ATSSN	A	001	0FD2	5112	4864* 4902 4906			
	ATSVBYT	A	005	0EE1	5010	4991* 5024* 5025 5026 5027 5047*			
	ATSVACE	C	001	0031	4168	4169			
	ATSVARR	C	001	003C	4173	4174			
05	ATSVCHAN	A	005	0EDE	5009	4993 5018 5019 5050 5051			
	ATSVELM	A	005	0EE1	5006	4983* 5007 5009 5010 5022*			
	ATSVRBA	C	001	0033	4169	4170 4516* 4670 4925 4927			
06	ATSVSCB	C	001	0035	4170	4171			
	ATSVSIZE	C	001	003D	4174	5054* 5060			
	ATSVSSA	C	001	0038	4171	4172 4477* 4478* 4921 4923			
07	ATSVSSVL	A	005	0EE0	5007	4985 4987* 5008			
	ATSVSSA	C	001	003A	4172	4173 4542*			
	ATSWO10	A	003	008D	4843	4846			
08	ATTCB	A	002	0F84	5075	4228* 4523 4676* 4691 4716 4748* 4757 4769* 4855* 4865 4873* 4879 4918 4920 5003 5053 5059* 5067			
	ATZERO	A	004	0FB9	5086	4229 4511 4902 4921			
09	AT00A242	A	006	0A58	4488	4497			
	AT00A244	A	004	0ADA	4536	4530			
	AT00A248	A	003	0B49	4576	4573			
10	AT00A365	A	003	0D1C	4795	4790			
	AT00B242	A	004	0A6C	4495	4490			
	AT00C242	A	005	0A70	4496	4500			
11	AT00D242	A	003	0A88	4502	4487			
	AT000005	A	003	0B34	4224	4213			
	AT000010	A	004	0B4A	4236	4230			
12	AT000020	A	004	088D	4261	4253			
	AT000030	A	003	0899	4264	4260			
	AT000040	A	004	08BA	4278				
13	AT000050	A	005	08C2	4286	4288			
	AT000060	A	004	08DB	4293	4291			
	AT000100	A	003	090A	4327	4379			
14	AT000110	A	005	091F	4334	4332			
	AT000120	A	005	094C	4354	4336			
	AT000125	A	003	095E	4359	4371			
15	AT000130	A	004	0975	4366	4364			
	AT000135	A	003	0980	4369	4361 4367			
	AT000140	A	004	098A	4372	4357*			
16	AT000150	A	003	098E	4373	4356			
	AT000160	A	004	09A3	4379	4346 4351 4353 4374 4377			
	AT000180	A	003	09A7	4389	4328			
17	AT000185	A	004	09C9	4409	4406			
	AT000190	A	004	09CD	4414	4408			
	AT000195	A	004	09DB	4418	4395 4415			
18	AT000200	A	004	09DF	4420	4349			
	AT000205	A	003	09E4	4422	4419			
	AT000210	A	004	09FB	4436	4424			
19	AT000220	A	003	0A11	4449	4442			
	AT000225	A	003	0A17	4451	4432 4434			
20	AT000230	A	003	0A1D	4453	4450			

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#SVAT TCB ATTACH TRANSIENT				
02	ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT
03			00F8 3990	WDAE0J EQU X'F8' ABNORMAL END OF JOB
			00FF 3991	WDASFL EQU X'FF' ICSSQS ASSIGN FAILURE
			000B 3992	WDSTMR EQU X'0B' SET TIMER
04			0005 3994	WDOUTL EQU WDCPC+2 OUTPUT LENGTH
			0005 3995	WDEFFL EQU WDOUFL EFFECTIVE INPUT LENGTH
			0007 3996	WDRECA EQU WDEFFL+2 RECORD AREA ADDRESS
05			0009 3997	WDTUB EQU WDRECA+2 TUB ADDRESS

#SVAT TCB ATTACH TRANSIENT				
02	ERR LOC	OBJECT CODE	ADDR	STATEMENT
03				
04				
05				

15	TUBRAMER C 001 0001 3421
16	TUBRCBK C 001 0004 3378
16	TUBRCNCL C 001 0083 3022
16	TUBRDMDD C 001 0001 3395
17	TUBRDYIP C 001 0001 3311
17	TUBRDYPD C 001 0001 3336
17	TUBREADY C 001 0008 3308
18	TUBREL C 001 0004 3279 3660
18	TUBREXEC C 001 0080 3020 4607
18	TUBRFCS C 001 004C 3341 3342
19	TUBRFDFSP C 001 004D 3342 3344
19	TUBRFN C 001 004B 3340 3341
19	TUBRFSS C 001 004A 3339 3340
20	TUBRTTSU C 001 0004 3008

15	TUBRAMER C 001 0001 3421
16	TUBRCBK C 001 0004 3378
16	TUBRCNCL C 001 0083 3022
16	TUBRDMDD C 001 0001 3395
17	TUBRDYIP C 001 0001 3311
17	TUBRDYPD C 001 0001 3336
17	TUBREADY C 001 0008 3308
18	TUBREL C 001 0004 3279 3660
18	TUBREXEC C 001 0080 3020 4607
18	TUBRFCS C 001 004C 3341 3342
19	TUBRFDFSP C 001 004D 3342 3344
19	TUBRFN C 001 004B 3340 3341
19	TUBRFSS C 001 004A 3339 3340
20	TUBRTTSU C 001 0004 3008

16	TUBUSER C 001 002F 32
16	TUBUSSV C 001 0040 32
16	TUBUSIP C 001 0080 32
16	TUBWSID C 001 0020 31
17	TUBWSIA C 001 0022 31
17	TUBOTLJG C 001 0080 34
17	TUBORMFL C 001 0020 34
18	TUBOUNJG C 001 0040 34
18	TUB1 C 001 0001 41
18	TUB1OPT C 001 0002 34
19	TUB2 C 001 0002 41

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CROSS-REFERENCE										
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				
03	AT000240	A	004	0A28	4460	4452 4454				
03	AT000242	A	005	0A3C	4476	4467				
03	AT000243	A	004	0A9D	4515	4512				
04	AT000244	A	003	0F00	4529	4527				
04	AT000245	A	005	0A4E	4541	4538				
04	AT000247	A	003	0A7	4547	4525				
05	AT000248	A	003	0B27	4565	4553				
05	AT000249	A	003	0B4F	4584	4570				
05	AT000250	A	004	0B55	4588					
06	AT000259	A	003	0B78	4601	4590				
06	AT000260	A	003	0BA0	4618	4606				
06	AT000265	A	003	0BA9	4621	4609				
07	AT000270	A	003	0BB8	4630	4617				
07	AT000283	A	003	0BDE	4651	4643				
07	AT000285	A	003	0BF3	4658	4653				
08	AT000287	A	003	0C08	4668	4631 4659				
08	AT000290	A	003	0C0B	4669	4543 4564 4577				
08	AT000293	A	004	0C5A	4704	4701				
09	AT000294	A	003	0C63	4708	4692				
09	AT000295	A	004	0C7B	4716	4710 4714				
09	AT000350	A	004	0C94	4733	4718				
10	AT000360	A	004	0CD6	4758	4737				
10	AT000365	A	004	0D07	4785	4771 4773 4775 4777				
10	AT000366	A	005	0D49	4809	4804* 4805* 4806 4806* 4807 4807* 4808*				
11	AT000367	A	003	0D4E	4810	4799				
11	AT000369	A	003	0DA3	4857	4849				
11	AT000370	A	004	0DC6	4873	4869 4954				
12	AT000380	A	003	0E0	4909	4901 4903				
12	BAS1	C	001	0001	4155	5018 5019* 5020 5022 5023 5023 5024 5024 5025 5025 5026 5026				
13						5027 5027 5028 5029 5030 5031 5031 5032 5033 5036 5037				
13						5038 5038 5040 5040 5042 5044 5044 5045 5046 5047 5047				
13						5048 5049 5050 5051 5052 5053 5054 5059 5060 5061 5065 5066				
13						5066 5067				
14	BAS2	C	001	0002	4156	4979 4980* 4981 4983 4984 4985 4985 4987 4988 4988 4989 4990				
14						4991 4991 4992 4993 4994 4996 4996 4997 5003				
15	BATCOUNT	C	001	0005	2785					
15	BIT0	C	001	0080	0809					
15	BIT1	C	001	0040	0810					
15	BIT2	C	001	0020	0811					
16	BIT3	C	001	0010	0812					
16	BIT4	C	001	0008	0813					
16	BIT5	C	001	0004	0814					
17	BIT6	C	001	0002	0815					
17	BIT7	C	001	0001	0816					
17	BLANK	C	001	0040	0788					
18	BUF1	C	001	0001	4161					
18	BUF2	C	001	0002	4162					
19	CD1	C	001	0001	4137					
19	CD2	C	001	0002	4138					
19	CP1	C	001	0001	4133					
19	CP2	C	001	0002	4134					
20	CSB1	C	001	0001	4141					

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#SVAT TCB ATTACH TRANSIENT			
02	ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
02			4028 * XNTEQ 00890000
02			4029 *****
03			4030 *****
03			4031 ** MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES **
03			4032 *****
04			4033 *****
05			4035 *****

02	ERR LOC	OBJECT CODE
02		
03		
04		
05		

15	TWAMSSA C 001 0018 3746	15	WDNEQJ C 001 0017 4025
	TWAMSSS C 001 0020 3724		WDNEOS C 001 00E0 3987
	TWAPLAT C 001 0038 3731		WDNGRP C 001 0020 3981
	TWAGET C 001 0000 3698		WDNGRPG C 001 0021 3983
16	TWALOAD C 001 0080 0451	16	WDNGRPI C 001 0025 3982
	TWAPUT C 001 0001 3697		WDNOW C 001 0004 3945
	TWAREAL C 001 0040 3702		WDOPC C 001 0003 3940
	TWASYS C 001 0002 3699		WDOPM C 001 0002 3923
17	TWATWA C 001 0000 3701	17	WDOUPL C 001 0005 3994
	TWASWA C 001 0004 3700		WDOVR C 001 0040 3926
	TWAXLATE C 001 0000 3703		WDOPEC C 001 0042 3972
18	TWAXLEN C 001 0008 3760	18	WDOPEF C 001 0022 3973
	TWAXMAP C 001 0002 3755 3757 4983 4983 5022 5022		WDOPEX C 001 001A 3977
	TWAXMAPL C 001 0003 3756		WDPNW C 001 0006 3947
19	TWAXN C 001 0007 3759 3760 4983 4983 5022 5022	19	WDOPEE C 001 0045 3913
	TWAXNEXT C 001 0004 3757 3758		WDPRT C 001 0008 3931
	TWAXSS C 001 0006 3758 3759	20	

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CROSS-REFERENCE		
01	SYMBOL T LEN VALUE DEFN REFERENCES	01
02	DSPEXAM C 001 0001 0411	02
03	DSPFCUR C 001 0008 0408	03
	DSPHOLD C 001 0002 0410	
	DSPRGRST C 001 0040 0405	
04	DTF C 001 0002 0782	04
	D1ACCNTL C 001 0075 0643 0662	
	D1ACEIAR C 001 0064 0598 0599	
05	D1ACEIOB C 001 0068 0603 0604	05
	D1ACEMAB C 001 0065 0599 0600	
	D1ACEPLA C 001 0069 0605	
06	D1ACETCB C 001 006A 0606 0611	06
	D1ACEXR1 C 001 0068 0602 0603	
	D1ACEXR2 C 001 0069 0604 0605 0606	
07	D1ACE12 C 001 0066 0600 0601	07
	D1ACE34 C 001 0067 0601 0602	
	D1ACTSKA C 001 0074 0642 0643	
08	D1ACVERA C 001 0023 0397 0402	08
	D1ACVERD C 001 0073 0641 0642	
	D1ADCNTL C 001 0025 0417 0447	
09	D1AQEWK C 001 0040 0546 0547	09
	D1ARR C 001 0058 0568 0569	
	D1ASRFLG C 001 0027 0470 0479	
10	D1ASRTQE C 001 004C 0545 0546	10
	D1ASSAVA C 001 0009 0321 0322	
	D1CSDUMP C 001 0054 0559 0560	
11	D1CSIZE C 001 0010 0344	11
	D1CURAQE C 001 004B 0544 0545	
	D1CURJCB C 001 003E 0524 0525	
12	D1CURTCB C 001 0044 0534 0535	12
	D1CURTRB C 001 0055 0560 0561 0566	
	D1CURXNT C 001 0053 0558 0559	
13	D1CURX28 C 001 000B 0323 0324	13
	D1DSKTAB C 001 0000 0314	
	D1DSKTBL C 001 0004 0315	
14	D1DSPFLG C 001 0024 0402 0417	14
	D1DSPTCB C 001 003D 0523 0524	
	D1DSTIME C 001 0070 0625 0633 4824	
15	D1DSTQE C 001 002F 0490 0491	15
	D1ENDa C 001 0076 0662	
	D1ERRACE C 001 001B 0386 0387	
16	D1ERRMIC C 001 0019 0384 0385	16
	D1ERRTCB C 001 001A 0385 0386	
	D1FRCTCB C 001 003C 0522 0523	
17	D1FREEPT C 001 002D 0488 0489	17
	D1GPFFLAG C 001 0036 0501 0512	
	D1HCSTGA C 001 0071 0633 0635	
18	D1HCSTGD C 001 0072 0635 0641	18
	D1HPCSDA C 001 0060 0580 0591	
	D1HPCSTK C 001 0061 0591 0592	
19	D1HPSTK C 001 0062 0592 0594	19
	D1IAR C 001 0059 0569 0570	
20	D1IARS C 001 0043 0533 0534	20

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PAGE 93 V09/11/81 12/08/81 21:28	PAGE 94 V09/11/81 12/08/81 21:28	
*SVAT TCB ATTACH TRANSIENT		
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01
02	4126 * REGISTERS USED 00910000	02
	0001 4127 PRM1 EQU 1 PARM LIST POINTER 00920000	
	0002 4128 PRM2 EQU 2 PARM LIST POINTER 00930000	
03	0001 4129 PSH1 EQU 1 PARM LIST POINTER 00940000	03
	0002 4130 PSH2 EQU 2 PARM LIST POINTER 00950000	
	0002 4131 F52 EQU 2 BIT MASK POINTER 00960000	
04	0001 4132 F51 EQU 1 BIT MASK POINTER 00970000	04
		0800 F2 87 06

14	WDINW	C	001	0000	4000	3946	3960	3963	3966
	WDLEW	C	001	0017	4025				
	WDNEOJ	C	001	00E8	3988				
15	WDNEOS	C	001	00E0	3987				
	WDNGRP	C	001	0020	3981				
	WDNGRPG	C	001	0021	3983				
16	WDNGRPI	C	001	0025	3982				
	WDNOW	C	001	0004	3945	3946	3947		
	WDOPC	C	001	0003	3940	3994			
17	WDOPM	C	001	0002	3923	3940			
	WDOUTL	C	001	0005	3994	3995			
	WDOVR	C	001	0040	3926				
18	WDOEC	C	001	0042	3972				
	WDOPEF	C	001	0022	3973				
	WDOPEX	C	001	001A	3977				
19	WDPMW	C	001	0006	3947	3959			
	WDPOGE	C	001	0045	3913				
	WDPRT	C	001	0008	3931				
20									

14	WDREF	C	001	0048	3974				
	WDRESCJ	C	001	0056	3919				
	WDSPF	C	001	0044	3912				
15	WDSTO	C	001	0006	3901				
	WDSTP	C	001	0002	3900				
	WDSTR	C	001	0002	3936				
16	WDRTC	C	001	0001	3896				
	WDRTG	C	001	0021	3962				
	WDRTI	C	001	0025	3963				
17	WDRUP	C	001	0080	4015				
	WDRUPD	C	001	000E	4013				
	WDSACQ	C	001	0099	3951				
18	WDSAVE	C	001	0004	3934				
	WDSLNE	C	001	0010	4020				
	WDSPG	C	001	0013	3958				
19	WDSPI	C	001	0017	3960				
	WDSPN	C	001	0016	3959				
	WDSRCM	C	001	0009	4010				
20									

CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	D11L5PCR	C	001	005F	0579	0580
	D11L5WRK	C	001	0041	0531	0532
	D11NDRI	C	001	0010	0343	0344 0372
04	D11NL12	C	001	005C	0572	0573
	D11NL34	C	001	005D	0573	0578
	D11PI0B@	C	001	0039	0514	0515 0516
	D11TOLDAR	C	001	000D	0325	0330
05	D11LATRA	C	001	0014	0375	0376
	D11LACE@	C	001	0046	0536	0537
	D11LDOBA	C	001	0034	0499	
06	D11DLINK	C	001	001F	0392	0393
	D11DLOAD	C	001	0022	0395	0397
	D11DRTOT	C	001	0021	0394	0395
07	D11LDSN	C	001	001E	0391	0392
	D11LDSS	C	001	001D	0390	0391
	D11DSTRT	C	001	0020	0393	0394
08	D11LDTCB@	C	001	0048	0539	
	D11LOGLM	C	001	004A	0543	0544
	D11LOGPT	C	001	0049	0540	0543
09	D11LOGSIZ	C	001	0051	0556	0557
	D11LOGSS	C	001	0050	0555	0556
	D11LOGSSH	C	001	004F	0552	0555
10	D11LOGUSD	C	001	0052	0557	0558
	D11MNTQE	C	001	0031	0492	0493
	D11MPIOB@	C	001	0034	0495	0496 0497 0498 0499 0500
11	D11MSATRS	C	001	002C	0487	0488
	D11MSIZE	C	001	000F	0338	0343
	D11MXACE@	C	001	0033	0494	0495
12	D11MXIOB@	C	001	0034	0498	
	D11MXNTP	C	001	002E	0489	0490
	D11MUNTO	C	001	0000	0305	0306 0314
13	D11MUNXT1	C	001	0001	0306	0307
	D11MUNXT2	C	001	0002	0307	0308
	D11MUNXT3	C	001	0003	0308	0309
14	D11MUNXT4	C	001	0004	0309	0310
	D11MUNXT5	C	001	0005	0310	0311
	D11MUNXT6	C	001	0006	0311	0312
15	D11MUNXT7	C	001	0007	0312	0320
	D11PGFULL	C	001	0080	0336	
	D11PMRPSR	C	001	005A	0570	0571
16	D11PREVRB	C	001	0055	0561	
	D11QSAVE	C	001	0038	0513	0514
	D11QSAVE	C	001	004E	0547	0552
17	D11QUEVE@	C	001	003F	0525	0526
	D11RDCS	C	001	006D	0620	0622
	D11RDMS	C	001	006C	0619	0620
18	D11REGPTR	C	001	0015	0376	0377
	D11RNQSAV	C	001	0063	0594	0598
	D11RQ	C	001	005B	0571	0572
19	D11RTTABL	C	001	0040	0526	0531
	D11SAVEIN	C	001	0042	0532	0533
20	D11SECA	C	001	0016	0377	0378

02	SYMBOL	T	LEN	VALUE	DEFN
	D11SETSW@	C	001	006B	0611
03	D11SMFA	C	001	000E	0330
	D11STKA	C	001	0011	0372
04	D11STKPTR	C	001	001C	0387
	D11STKSAV	C	001	0037	0512
	D11SVCI@	C	001	0012	0373
	D11SWACE@	C	001	0035	0500
05	D11SWIOB@	C	001	0034	0496
	D11SWPIN	C	001	0013	0374
	D11SWTCBI	C	001	0047	0537
06	D11SWTCBO	C	001	0018	0379
	D11SYSFLG	C	001	0026	0447
	D11TCBHDR	C	001	002B	0486
07	D11TIACE@	C	001	003B	0517
	D11TIMAB	C	001	0028	0479
	D11TIVALA	C	001	0017	0378
08	D11TPTOXH	C	001	0029	0480
	D11TPTOXL	C	001	002A	0481
09	D11TRACE@	C	001	0039	0515
	D11TRIOB@	C	001	003A	0516
	D11TRSAVE	C	001	0030	0491
10	D11TWIOB@	C	001	0034	0497
	D11UNUSOB	C	001	0048	0538
	D11UNUSOB	C	001	0008	0320
11	D11UNUSSE	C	001	005E	0578
	D11WRCS	C	001	006F	0623
	D11WRMS	C	001	006E	0622
12	D11WSCAF	C	001	000C	0324
	D11XMSWI	C	001	000A	0322
	D11XNTBL	C	001	0032	0493
13	D11XR1	C	001	0056	0566
	D11XR2	C	001	0057	0567
	D11XTCB@	C	001	0045	0535
	ECMACTV	C	001	0080	0679
14	ECMCMPL	C	001	0040	0680
	ECMCPACL	C	001	0025	0674
	ECMCSB	C	001	0027	0676
15	ECMGMW	C	001	0003	0687
	ECMIMQ	C	001	0022	0671
	ECMIODRR	C	001	0021	0670
16	ECMLCK	C	001	0010	0682
	ECMMASK	C	001	0001	0678
	ECMNSKIP	C	001	0080	0667
17	ECMPARM	C	001	0000	0666
	ECMREAL	C	001	0040	0668
	ECMSYSLG	C	001	0028	0677
18	ECMTAS	C	001	0026	0675
	ECMTIMER	C	001	0024	0673
	ECMTRM	C	001	0023	0672
19	ECMTTC	C	001	0020	0669
	EIGHT	C	001	0008	0797
20	ENI064	A	001	00F2	4895

#SVAT TCB ATTACH TRANSIENT					
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
	00910000		4176	*	IDMAC NAME--#SVAT,ATTR-C00900,JUMP-Y,RLD-D
	00920000		4177		LEVEL 08 RELEASE LEVEL
	00930000		4178		ATTR C00900 LIBRARY ATTRIBUTES
03	00940000		4179		RLD D RLD OPTION
	00950000		4180		MRT 00 MRT OPTION

#SVAT TCB ATTACH TRANSIENT					
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
03					0834 F4 00 06

14	WDRPUN	C	001	0046	3914	
	WDRREL	C	001	0028	3907	
	WDRSCJ	C	001	0056	3919	
	WDRSPF	C	001	0044	3912	
15	WDRSTD	C	001	0006	3901	
	WDRSTP	C	001	0002	3900	
	WDRSTR	C	001	0002	3936	
16	WDRTC	C	001	0001	3896	3923
	WDRTG	C	001	0021	3962	
	WDRTI	C	001	0025	3963	
17	WDRUP	C	001	0080	4015	
	WDRUPD	C	001	000E	4013	4019
	WDSACQ	C	001	0099	3951	
18	WDSAVE	C	001	0004	3934	
	WDSLNE	C	001	0010	4020	4021
	WDSPG	C	001	0013	3958	
19	WDSPI	C	001	0017	3960	
	WDSPI	C	001	0016	3959	
20	WDSRCM	C	001	0009	4010	

14	K01	C	001	0014	0122	0139
	K02	C	001	0024	0121	0139
	K04	C	001	0044	0120	0139
	K08	C	001	0084	0119	0139
15	K10	C	001	0010	0118	0139
	K20	C	001	0020	0117	0139
	K40	C	001	0040	0116	0129
16	K80	C	001	0080	0115	0129
	ZERO	C	001	0000	0789	4444
	ZONEBITS	C	001	00F0	0807	

TOTAL STATEMENTS FLAGGED IN THIS A
STATEMENTS FLAGGED AS WARNINGS

CROSS-REFERENCE						
	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01						
02	DISSETS	C	001	0068	0611	0619
03	DISMFA	C	001	000E	0330	0338
	DISTKA	C	001	0011	0372	0373
	DISTKPTR	C	001	001C	0387	0390
04	DISTKSAV	C	001	0037	0512	0513
	DISVCI	C	001	0012	0373	0374
	DISWACEA	C	001	0035	0500	0501
05	DISWIOBA	C	001	0034	0496	
	DISWPMIN	C	001	0013	0374	0375
	DISWTCBI	C	001	0047	0537	0538
06	DISWTCBO	C	001	0018	0379	0384
	DISYSFLG	C	001	0026	0447	0470
	DITCBHDR	C	001	002B	0486	0487
07	DITIACEA	C	001	003B	0517	0522
	DITIMAB	C	001	0028	0479	0480
	DITMVAL	C	001	0017	0378	0379
08	DITPTOXH	C	001	0029	0480	0481
	DITPTOXL	C	001	002A	0481	0486
	DITRACEA	C	001	0039	0515	
09	DITRIOBA	C	001	003A	0516	0517
	DITRSAVE	C	001	0030	0491	0492
	DITWIOBA	C	001	0034	0497	
10	DITWTCBA	C	001	0048	0538	0539 0540
	DIUNUSOB	C	001	0008	0320	0321
	DIUNUSSE	C	001	005E	0578	0579
11	DIWRCS	C	001	006F	0623	0625
	DIWRMS	C	001	006E	0622	0623
	DIWSCAF	C	001	000C	0324	0325
12	DIXAMSWI	C	001	000A	0322	0323
	DIXNTBL	C	001	0032	0493	0494
	DIXRI	C	001	0056	0566	0567
13	DIXR2	C	001	0057	0567	0568
	DIXTCBA	C	001	0045	0535	0536
	ECMACTV	C	001	0080	0679	
14	ECMCMPL	C	001	0040	0680	
	ECMPCOCL	C	001	0025	0674	
	ECMCSB	C	001	0027	0676	
15	ECMGW	C	001	0003	0687	
	ECMIND	C	001	0022	0671	
	ECMIOERR	C	001	0021	0670	
16	ECMLOCK	C	001	0010	0682	
	ECMMASK	C	001	0001	0678	
	ECMWSKIP	C	001	0080	0667	4306
17	ECMPARM	C	001	0000	0666	
	ECMREAL	C	001	0040	0668	
	ECMSYSLG	C	001	0028	0677	
18	ECMTAS	C	001	0026	0675	
	ECMTIMER	C	001	0024	0673	
	ECMTRM	C	001	0023	0672	
19	ECMTTC	C	001	0020	0669	4306
	EIGHT	C	001	0008	0797	
20	ENT064	A	001	00F2	4895	4885 4388

SYMBOL	T	LEN	VALUE	DEFN	RE
ERBAOPO	C	001	0008	0763	
ERBAOP1	C	001	0004	0764	
ERBAOP2	C	001	0002	0765	
ERBAOP3	C	001	0001	0766	
ERBBUSY	C	001	0080	0704	46
ERBCDNE	C	001	0040	0705	
ERBCLOG	C	001	0001	0747	
ERBDACE	C	001	0008	0770	07
ERBDCHN	C	001	0001	0693	06
ERBDCPA	C	001	0006	0750	07
ERBDCTL	C	001	0004	0703	07
ERBDQVI	C	001	0002	0695	07
ERBDERA	C	001	0006	0751	
ERBDFLG	C	001	0005	0723	07
ERBDISK	C	001	00A0	0698	
ERBDISKY	C	001	00B0	0696	
ERBDLEN	C	001	000C	0771	
ERBDLN1	C	001	000A	0768	
ERBDPIC	C	001	0008	0755	07
ERBDONE	C	001	0020	0706	46
ERBDOPT	C	001	0009	0757	07
ERBDQHD	C	001	0003	0701	07
ERBERR2	C	001	0010	0707	
ERBGALJI	C	001	00C3	0697	
ERBIOER	C	001	0001	0752	
ERBMCTLM	C	001	00F0	0708	
ERBMERCY	C	001	0006	0714	
ERBMERR	C	001	000F	0721	
ERBMERRC	C	001	0040	0725	
ERBMERRR	C	001	0002	0738	
ERBMTRCY	C	001	0004	0734	
ERBMILCA	C	001	0080	0699	
ERBMILC	C	001	0007	0713	
ERBMISG	C	001	0005	0715	
ERBMNLOG	C	001	0010	0728	
ERBMNRR	C	001	0004	0716	
ERBMNRRP	C	001	0020	0727	
ERBMPEER	C	001	0001	0739	
ERBMPOST	C	001	0008	0733	
ERBMPLUR	C	001	0003	0717	
ERBMREAR	C	001	0003	0737	
ERBNDRM	C	001	0000	0753	
ERBPTASK	C	001	0001	0743	
ERBSOPD	C	001	00F0	0758	
ERBSOPO	C	001	0080	0759	
ERBSOP1	C	001	0040	0760	
ERBSOP2	C	001	0020	0761	
ERBSOP3	C	001	0010	0762	
ERBTTRMIO	C	001	0080	0724	
EXAM	C	001	0004	0457	
FALSE	C	001	0090	0801	
FDFAIL	C	001	0040	0504	

#SVAT TCB ATTACH TRANSIENT				
ERR	LOC	OBJECT	CODE	ADDR STMT SOURCE STATEMENT
02				4220 *
				4221 * ASSIGN THE TCB FOR RUNNING THE NEW TASK IN THE SYSTEM
				4222 *
03	0834	F4	00	06 4223 *T000005 ASSGN LEN-TCBLEY' ASSIGN A TCB
				4224 AT000005 SVC SVCASSGN,C ASSIGN REQUEST

#SVAT TCB ATTACH TRANSIENT				
ERR	LOC	OBJECT	CODE	ADDR S
02				01540000
				01550000
				01560000
03	089F	5C	00	1C 2B
	08A3	5E	00	1C 1C

15	X08	C	001	0084	0119	0132	0159	0167	0188	0201
	X10	C	001	0010	0118	0131	0166	0187	0200	
	X20	C	001	0020	0117	0130	0138	0165	0207	
	X40	C	001	0040	0116	0129	0137	0156	0164	0177 0206
16	X80	C	001	0080	0115	0128	0136	0163	0176	
	ZERO	C	001	0000	0789	4449				
	ZONEBITS	C	001	00F0	0807					
17	TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY = 0									
	STATEMENTS FLAGGED AS WARNINGS = 0									

15										
16	END OF THE CHANGE ACTIVITY SUMMARY									
17	CHANGE FLAG REPORT									
18	BARB0	5313506	SS1	SW	03	13/07				
	BAR13	5317310	SS1	SW	05	07/09				
	BAR001	PIQ201	SS		02	02/08				

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01	2 V09/11/81 12/08/81 21:28									
02	CROSS-REFERENCE									
03	SYMBOL T LEN VALUE DEFN REFERENCES									
04	ERBAOP0	C	001	0008	0763					
	ERBAOP1	C	001	0004	0764					
	ERBAOP2	C	001	0002	0765					
	ERBAOP3	C	001	0001	0766					
	ERBBUSY	C	001	0080	0704	4652				
	ERBCDOME	C	001	0040	0705					
	ERBCOLOG	C	001	0001	0747					
	ERBDACE	C	001	0008	0770	0771				
	ERBDCHN	C	001	0001	0693	0695				
	ERBDCPA	C	001	0006	0750	0751 0755				
	ERBDCTL	C	001	0004	0703	0723				
	ERBDQVI	C	001	0002	0695	0701				
	ERBDERA	C	001	0006	0751					
	ERBDFLG	C	001	0005	0723	0750				
	ERBDISK	C	001	00A0	0698					
	ERBDISKT	C	001	0000	0696					
	ERBDLEN	C	001	000C	0771					
	ERBDLNI	C	001	000A	0768					
	ERBDMIC	C	001	0008	0755	0757				
	ERBDOME	C	001	0020	0706	4654				
	ERBDQPT	C	001	0009	0757	0768 0770				
	ERBDQHD	C	001	0003	0701	0703				
	ERBERR2	C	001	0010	0707					
	ERBGAIJI	C	001	00C3	0697					
	ERBIOER	C	001	0001	0752					
	ERBMCTLM	C	001	00F0	0708					
	ERBMERCY	C	001	0006	0714					
	ERBMERR	C	001	000F	0721					
	ERBMERRC	C	001	0040	0725					
	ERBMHERR	C	001	0002	0738					
	ERBMIRCY	C	001	0004	0734					
	ERBMILCA	C	001	0080	0699					
	ERBMIMC	C	001	0007	0713					
	ERBMMSG	C	001	0005	0715					
	ERBMNLOG	C	001	0010	0728					
	ERBMNRR	C	001	0004	0716					
	ERBMNRRSP	C	001	0020	0727					
	ERBMPPER	C	001	0001	0739					
	ERBMPOST	C	001	0008	0733					
	ERBMPPUR	C	001	0003	0717					
	ERBMRERR	C	001	0003	0737					
	ERBNORM	C	001	0000	0753					
	ERBPTASK	C	001	0001	0743					
	ERBSOP0	C	001	00F0	0758					
	ERBSOP0	C	001	0080	0759					
	ERBSOP1	C	001	0040	0760					
	ERBSOP2	C	001	0020	0761					
	ERBSOP3	C	001	0010	0762					
	ERBTMID	C	001	0080	0724					
	EXAM	C	001	0004	0457					
	FALSE	C	001	0090	0801					
	FDFAIL	C	001	0040	0504					

01										
02	SYMBOL T LEN VALUE DEFN									
03	FIF0	C	001	0000	1058					
	FIVE	C	001	0005	0794					
	FOUR	C	001	0004	0793					
	FIADATTR	C	001	0022	0951					
	FIADATT1	C	001	0020	0946					
	FIADATT2	C	001	0023	0966					
	FIADBLKN	C	001	0012	0892					
	FIADCONT	C	001	0021	0949					
	FIADDATE	C	001	0008	0841					
	FIADDFLG	C	001	0000	0834					
	FIADDEFQ	C	001	0027	0976					
	FIADENDA	C	001	0018	0908					
	FIADFCN	C	001	001F	0944					
	FIADHIGH	C	001	0010	0889					
	FIADHOKY	C	001	0039	1000					
	FIADHOKT	C	001	0038	1011					
	FIADKEYL	C	001	0028	0990					
	FIADKEYD	C	001	002A	0992					
	FIADLABL	C	001	0008	0837					
	FIADLBN	C	001	0011	0895					
	FIADLBS	C	001	0012	0897					
	FIADLSTK	C	001	002E	0994					
	FIADLSTP	C	001	0035	0998					
	FIADLSTR	C	001	0015	0899					
	FIADDMR	C	001	0025	0975					
	FIADPCBQ	C	001	0030	1013					
	FIADRECL	C	001	000F	0887					
	FIADRECN	C	001	0012	0893					
	FIADRES3	C	001	003F	1014					
	FIADRFED	C	001	0027	0978					
	FIADRFST	C	001	0015	0903					
	FIADSDIR	C	001	0008	0843					
	FIADSFGL	C	001	0000	0855					
	FIADSPHM	C	001	0015	0901					
	FIADSTDA	C	001	0018	0906					
	FIADSTIX	C	001	0031	0996					
	FIADTYPE	C	001	000C	0845					
	FIADVTOC	C	001	0010	0910					
	FIALLGCD	C	001	0028	1016					
	FIALLGIN	C	001	0040	1019					
	FIALLGLB	C	001	0020	1021					
	FIALLVTA	C	001	001E	0935					
	FIALLZVA	C	001	0012	1002					
	FIAMBLRN	C	001	0080	0890					
	FIAMCKPT	C	001	0040	0970					
	FIAMCONS	C	001	0040	0847					
	FIAMDIRC	C	001	0020	0848					
	FIAMDLC	C	001	0020	0971					
	FIAMDFG	C	001	0004	0960					
	FIAMDPCK	C	001	0010	0863					
	FIAMGASK	C	001	0008	0973					
	FIAMHKAS	C	001	0010	0956					

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01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT									
02	01540000	4268 * BE THE LINK EDIT ADDRESS IF THE MODULE WAS LINK EDITED TO A								02360000
	01550000	4269 * 2K BOUNDARY.								02370000
	01560000	4270 *								02380000
03	01570000	089F 5C 00 1C 28	4271	MVC	TCBARR-1(1,TCB1),TCBEG(L,TCB1) MOVE IN BEGL VALUE					02390000
		08A3 5E 00 1C 1C	4272	ALC	TCBARR-1(1,TCB1),TCBARR-1(,TCB1) DOUBLE VALUE					02400000
		08A7 5E 00 1C 1C	4273	ALC	TCBARR-1(1,TCB1),TCBARR-1(,TCB1) DOUBLE VALUE					02410000
04		08A8 5E 00 1C 1C	4274	ALC	TCBARR-1(1,TCB1),TCBARR-1(,TCB1) DOUBLE VALUE					02420000
		08AF 7C FF 1B	4275	MVI	TCBARR2(,TCB1),X'FF' SET EQUAL TO -1					02440000

01	ERR LOC OBJECT CODE ADDR									
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14	913	914	915	916	917	918	919	920
15	921	922	923	924	925	926	927	928
	930	931	932	933				
16	END OF THE CHANGE ACTIVITY SUMMARY							
17	CHANGE FLAG REASONS - 007/23/79 - AS OF 12/08/81 21:29							
18	0000	S313506	SS1	SV	03	11/07/78	MMB	45X
	0001	S317310	SS1	SU	05	07/09/80	JUB	47N
	0001	P10201	SS	02	02/08/77	EPC	47N	

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		PAGE 134 09/11/81 12/08/81 21:28									
CROSS-REFERENCE											
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES					
03	FIFO	C	001	0000	1058	1060					
	FIVE	C	001	0005	0794	4451					
	FOUR	C	001	0004	0793						
04	FIADATTR	C	001	0022	0951	0966					
	FIADATT1	C	001	0020	0946	0949					
	FIADATT2	C	001	0023	0966	0975					
05	FIADBLKN	C	001	0012	0892						
	FIADCONT	C	001	0021	0949	0951					
	FIADDATE	C	001	0008	0841	0843 0845					
06	FIADDFLG	C	001	0000	0834	0837					
	FIADDFQ	C	001	0027	0976	0978 0990 1002 1016 1045					
	FIADENDA	C	001	0018	0908	0910					
	FIADFCN	C	001	001F	0944	0946 1021					
07	FIADHIGH	C	001	0010	0889						
	FIADHOKY	C	001	0039	1000	1002 1011					
	FIADKBT	C	001	0038	1011	1013					
08	FIADKEYL	C	001	0028	0990	0992					
	FIADKEYO	C	001	002A	0992	0994					
	FIADLABL	C	001	0008	0837	0841					
09	FIADLBOW	C	001	0011	0895	0897					
	FIADLBUS	C	001	0012	0897	4759*					
	FIADLSTK	C	001	002E	0994	0996					
10	FIADLSTP	C	001	0035	0998	1000					
	FIADLSTR	C	001	0015	0899	0901 0903 0906					
	FIADOWNR	C	001	0025	0975	0976					
11	FIADPCBQ	C	001	0030	1013	1014					
	FIADRECL	C	001	000F	0887	0889 0892 0893 0895					
	FIADRECN	C	001	0012	0893	0899					
12	FIADRES3	C	001	003F	1014	1019					
	FIADRFED	C	001	0027	0978						
	FIADRFST	C	001	0015	0903						
13	FIADSDIR	C	001	0008	0843						
	FIADSFGL	C	001	0000	0855	0887					
	FIADSMEM	C	001	0015	0901						
14	FIADSTDA	C	001	0018	0906	0908					
	FIADSTIX	C	001	0031	0996	0998					
	FIADTYPE	C	001	000C	0845	0855					
15	FIADVTOC	C	001	001D	0910	0935 0944 1039					
	FIALLGCD	C	001	0028	1016						
	FIALLGIN	C	001	0040	1019						
16	FIALLGLB	C	001	0020	1021						
	FIALIVTA	C	001	001E	0935						
	FIALZVTA	C	001	0012	1002						
17	FIAMBLRN	C	001	0080	0890						
	FIAMCKPT	C	001	0040	0970						
	FIAMCONS	C	001	0040	0847						
18	FIAMDIRC	C	001	0020	0848						
	FIAMDLC	C	001	0020	0971						
	FIAMDFG	C	001	0004	0960						
19	FIAMPCK	C	001	0010	0863						
	FIAMGASK	C	001	0008	0973						
20	FIAMHKAS	C	001	0010	0956						

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		PAGE 98 09/11/81 12/08/81 21:28									
*SVAT TCB ATTACH TRANSIENT											
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					
						4309 *					02980000
						4310 * SET UP VALUES IN THE FOLLOWING WORK FIELD TO BE USED TO DETER-					02990000
						4311 * NINE IF THE TASK'S MAIN STORAGE REQUIREMENT DO NOT EXCEED					03000000
						4312 * WHAT IS CURRENTLY AVAILABLE ON THE SYSTEM.					03010000
						4313 * TCBXRI-1 = TCBRSSIZ-TCBRSSIZ OF ATTACHL?					03020000
						4314 * TCBXRI = MAXIMUM ACTIVE SWAPPABLE REGIC, EXCEPT ATTACHOR					03030000

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		PAGE 98 09/11/81 12/08/81 21:28									
*SVAT TCB ATTACH TRANSIENT											
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					
						4309 *					02980000
						4310 * SET UP VALUES IN THE FOLLOWING WORK FIELD TO BE USED TO DETER-					02990000
						4311 * NINE IF THE TASK'S MAIN STORAGE REQUIREMENT DO NOT EXCEED					03000000
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						4313 * TCBXRI-1 = TCBRSSIZ-TCBRSSIZ OF ATTACHL?					03020000
						4314 * TCBXRI = MAXIMUM ACTIVE SWAPPABLE REGIC, EXCEPT ATTACHOR					03030000

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
FIAMIFIL	C	001	0010	0972
FIAMINDX	C	001	0080	0846
FIAMINFR	C	001	0020	0954
FIAMJOBR	C	001	0002	0852
FIAMKBPR	C	001	0040	0953
FIAMLBFL	C	001	0001	0885
FIAMLTST	C	001	005C	0835
FIAMMRGE	C	001	0040	0862
FIAMNCLV	C	001	0020	0878
FIAMNREC	C	001	0008	0958
FIAMOLMV	C	001	0001	0963
FIAMOTAD	C	001	0080	0952
FIAMPFRM	C	001	0008	0850
FIAMRDFL	C	001	0010	0849
FIAMRFIL	C	001	0002	0962
FIAMSCFL	C	001	0080	0969
FIAMSCLB	C	001	0080	0875
FIAMSCLD	C	001	0080	0873
FIAMSCRT	C	001	0001	0853
FIAMSORT	C	001	0080	0861
FIAMSPAL	C	001	0004	0879
FIAMSPAZ	C	001	0002	0880
FIAMSYSF	C	001	0001	0838
FIAMTEMP	C	001	0004	0851
FIAMVALL	C	001	0070	0933
FIAMV1ST	C	001	0010	0928
FIAMV2ND	C	001	0020	0930
FIAMV3RD	C	001	0030	0931
FIAMV4TH	C	001	0040	0932
FIAMVNF6	C	001	0008	0865
FIAMXTND	C	001	0080	0947
F1FLAG	C	001	001E	1039 1043
F1RESTR1	C	001	00FF	1041
F1SSEND	C	001	0027	1045
F1SSTR1	C	001	0021	1043
F51	C	001	0001	4132 4982* 4983 4990* 4993* 4995
F52	C	001	0002	4131 5021* 5022 5028 5029 5030 5034 5041 5046* 5051*
GETPANYP	C	001	0020	0454
GETPHSIC	C	001	0010	0455
GETPNOTC	C	001	0008	0456
HPASGERR	C	001	0080	0581
HPCSSVC	C	001	0010	0584
HPERRPND	C	001	0001	0588 0589
HPHALTED	C	001	0000	0589
HP12SVCA	C	001	0020	0583
HPNDSTRT	C	001	0002	0587
HPNOTBSY	C	001	0008	0585 0589
HPSTART	C	001	0040	0582
HPWAITNG	C	001	0004	0586 0589
IAR	C	001	0010	0780
IARX	C	001	0008	0818
INITLDA	A	002	0FBC	5094 4243

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
				4338 *	
				4339 * IF USER'S OF SECONDARY SNA ACTIVE, THEN MAX ACTIVE REGION SIZE	aa093 03173600
				4340 * MAY BE TASK'S REGION SIZE PLUS 10K. ALSO ENSURE THAT IF	aa093 03174000
				4341 * TASK IS AN SNA USER, THEN IT'S REGION SIZE PLUS	aa093 03174800
				4342 * THAT OF SNA'S CONFLICT TOGETHER	aa093 03175200

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
INITSCA	A	002	0FBE	5095 4244
IJOB	C	001	0001	0781
IWATMTH	C	001	0010	1227
IWATNEPA	C	001	0008	1228
IWATRELA	C	001	0008	1240
IWBINARY	C	001	0054	1320 1322
IWBUFFER	C	001	DC00	1344
IWCPLST	C	001	0020	1226
IWCOMPAR	C	001	0186	1329
IWCMPILN	C	001	0079	1331
IWCMPST	C	001	0020	1237
IWDEDINT	C	001	0002	1243
IWDSPNAM	C	001	0080	1235
IWENODIO	C	001	0007	1261 1262
IWENCDLN	C	001	00C5	1328 1329
IWENCODE	C	001	00C0	1327 1329
IWENDRB	C	001	0009	1262 1263
IWENTRY	C	001	CA07	1341 5095
IWEROPTN	C	001	0055	1322 1324
IWERORR	C	001	0005	1260 1261
IWFIRST	C	001	0040	1225
IWFBSASN	C	001	0080	1249
IWHITSLG	C	001	0004	1241
IWIGCDA	C	001	0001	1232
IWINTREL	C	001	0002	1230
IWLALPHA	C	001	0023	1278 1279
IWLBINRY	C	001	0027	1280 1281
IWLENGTH	C	001	0052	1319
IWLERORA	C	001	0021	1277 1278
IWLFETCH	C	001	0025	1279 1280
IWLADST	C	001	0080	1224
IWLRES01	C	001	0029	1281 1282
IWLRES02	C	001	0028	1282 1283
IWLRES03	C	001	0020	1283 1284
IWLRES04	C	001	002F	1284 1285
IWLRES05	C	001	0031	1285 1289
IWL98000	C	001	0019	1273 1274
IWL50000	C	001	0018	1274 1275
IWL51000	C	001	0010	1275 1276
IWL52000	C	001	001F	1276 1277
IWF1TAF	C	001	0020	1251
IWFJCBAD	C	001	0013	1267 1268
IWMODLB	C	001	F800	1343
IWMODSK	C	001	0059	1324 1325
IWMODSK1	C	001	0050	1325
IWMTRREL	C	001	0001	1245
IWMTCBAD	C	001	0015	1268 1269
IWMTUBAD	C	001	0017	1269 1273
IWMNFILD	C	001	0011	1263 1267
IWNDRQUE	C	001	0040	1250
IWNDRTERM	C	001	0010	1238
IWNDRLYER	C	001	0040	1236

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#SWAT TCB ATTACH TRANSIENT			
ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT
		4381 *	
		4382 *	AT THIS POINT: TCBRES12=TCBMS12=REGION SIZE TO EXECUTE
		4383 *	TCBAKR1=B-PWX. ACTIVE SWAP EXCLUDING ATTACHOR
		4384 *	TCBAKR2=1=SCAMS*ZK=NUMBER AVAIL. SWAP PAGES
		4385 *	TCBAKR2=E=SCAMPXKRG
		4386 *	CHECK THE BIT IN THE SECOND FLAG BYTE OF THE REGISTER LAST TO

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CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	IWPADDR	C	001	0034	1289	1290
03	IWPGATR4	C	001	0043	1299	1300
03	IWPGATTR	C	001	003E	1295	1296
04	IWPGCRS2	C	001	003B	1294	1295
04	IWPGLINK	C	001	0037	1291	1292
04	IWPGMRTM	C	001	003F	1296	1297
05	IWPGNUMS	C	001	0035	1290	1291
05	IWPGRELL	C	001	0040	1297	1298
05	IWPGRLDD	C	001	003A	1293	1294
06	IWPGSCTL	C	001	0039	1292	1293
06	IWPGSHAP	C	001	0045	1302	1306
06	IWPGTOTL	C	001	0042	1298	1299
07	IWPGXTRA	C	001	0044	1300	1302
07	IWPPSABA	C	001	0010	1346	
07	IWRETRNB	C	001	CA08	1342	
08	IWRKBFRB	C	001	DF20	1347	
08	IWSIBUFA	C	001	0051	1315	1319 1320
08	IWSIFNC1	C	001	004D	1312	1313
08	IWSINEXT	C	001	004F	1314	1315
09	IWSISTAT	C	001	004E	1313	1314
09	IWSNACST	C	001	0004	1229	
10	IWSREND	C	001	0048	1307	1308
10	IWSRRECL	C	001	004C	1308	1312
10	IWSRSTRT	C	001	0048	1306	1307
11	IWSWTCH1	C	001	0000	1223	1234
11	IWSWTCH2	C	001	0001	1234	1248
11	IWSWTCH3	C	001	0002	1248	1258
11	IWSWTCH4	C	001	0003	1258	1260
12	IWSYSINA	C	001	DD00	1345	
12	IWRKARB	C	001	C800	1340	5094
13	JCBDBFRB	C	001	006F	1543	1546
13	JCBDBCCBA	C	001	0003	1555	1556
13	JCBDCIBA	C	001	0052	1502	1504
14	JCBDCRLB	C	001	0010	1443	1444
14	JCBDCSBP	C	001	0065	1539	1541
14	JCBDCTAG	C	001	002B	1470	1472
15	JCBDDATE	C	001	0009	1435	1437
15	JCBDDFRG	C	001	0056	1508	1510
15	JCBDDTFA	C	001	0054	1504	1506
16	JCBDELNG	C	001	0010	1564	
16	JCBDESV	C	001	000F	1563	1564
16	JCBDEXTA	C	001	0031	1476	1478
17	JCBDFINB	C	001	0050	1500	1502
17	JCBDFMNO	C	001	004C	1494	1496
17	JCBDFSFB	C	001	0014	1446	1448
18	JCBDFSBL	C	001	0012	1444	1446
18	JCBDINIT	C	001	0000	1359	1371
18	JCBDINLK	C	001	0005	1415	1425
19	JCBDINT2	C	001	0001	1371	1384
19	JCBDJBID	C	001	0047	1490	1492
19	JCBDJBRG	C	001	0057	1510	1512 1513
20	JCBDJBN	C	001	0061	1516	1518 4750

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCE
03	JCBDJQST	C	001	005A	1513	1514
03	JCBDLANG	C	001	0062	1519	1529
03	JCBDLCLa	C	001	006F	1544	
04	JCBDLNPG	C	001	0048	1492	1494
04	JCBDLPT#	C	001	0006	1558	1563
04	JCBDMENF	C	001	005E	1512	1516
05	JCBDMENL	C	001	0045	1488	1490
05	JCBDMENU	C	001	0043	1487	1488
05	JCBDMFTF	C	001	004E	1498	1500
06	JCBDPDAT	C	001	000C	1437	1439
06	JCBDPGIL	C	001	0038	1482	1483
06	JCBPGZL	C	001	003D	1483	1484
07	JCBPLST	C	001	0005	1556	1558
07	JCBPRGI	C	001	0033	1478	1479
07	JCBPRGZ	C	001	0035	1479	1480
08	JCBPROG	C	001	0028	1456	1458
08	JCBPSPB	C	001	0018	1450	1452
08	JCBPDSZ	C	001	002A	1468	1470
09	JCBDRCD	C	001	002F	1474	1476
09	JCBDSCH1	C	001	0002	1384	1394 4731
09	JCBDSCH2	C	001	0003	1394	1405
10	JCBDSCH3	C	001	0004	1405	1415
10	JCBDSCH4	C	001	0063	1529	1539 4712
10	JCBDSCH5	C	001	0062	1518	1519
11	JCBDSLLC	C	001	0040	1496	1498
11	JCBDSLLR	C	001	0055	1506	1508
11	JCBDSLOB	C	001	002D	1472	1474
12	JCBDSLST	C	001	000E	1439	1443
12	JCBDSPID	C	001	005C	1514	
13	JCBDSDBA	C	001	0001	1554	1555
13	JCBSTAT	C	001	0029	1458	1468
13	JCBDUPSI	C	001	0006	1425	1435
13	JCBMIRIL	C	001	003F	1484	1485
14	JCBMUR2L	C	001	0041	1485	1487
14	JCBMUSER	C	001	006D	1541	1543 1544
14	JCBMUSR1	C	001	0037	1480	1481
15	JCBMUSR2	C	001	0039	1481	1482
15	JCBMUSBP	C	001	0016	1448	1450
15	JCBMUPRC	C	001	0020	1452	1454
16	JCBMLNTH	C	001	0070	1546	
16	JCBMBTCH	C	001	0010	1399	
16	JCBMDEAD	C	001	0008	1389	
17	JCBMKAL	C	001	0020	1418	
17	JCBMDDID	C	001	0002	1391	
17	JCBMOPRD	C	001	0004	1401	
18	JCBMOSRC	C	001	0001	1413	
18	JCBMIBB	C	001	0001	1537	
18	JCBMEOMP	C	001	0004	1411	
19	JCBMEVPR	C	001	0004	1535	
19	JCBMEXTD	C	001	0001	1466	
19	JCBMFLIS	C	001	0040	1531	
20	JCBMFLUC	C	001	0010	1388	

ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

03440000	02	4426 *	03770000	4458 *
03450000	02	4427 * TASK TO BE ATTACHED IS SWAPPABLE, THEREFORE WE NEED ONLY	03780000	4459 *
03460000	03	4428 * UPDATE THE OLD SCAMXRG IF NEW TASK'S REGION SIZE EXCEEDS	03790000	0A28 5C 00 19 2D 4460 ATO
03470000	03	4429 * THE OLD MAXIMUM ACTIVE SWAP SIZE.	03800000	0A2C C0 87 0E65 4461

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CROSS-REFERENCE						
01	02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
01		JCBDJQST	C 001	005A	1513	1514
03		JCBDLANG	C 001	0062	1519	1529
		JCBDLCL@	C 001	006F	1544	
		JCBDLNPG	C 001	0048	1492	1494
04		JCBDLPI#	C 001	0006	1558	1563
		JCBDMENF	C 001	005E	1512	1516
		JCBDMENL	C 001	0045	1488	1490
05		JCBDMENU	C 001	0043	1487	1488
		JCBDMFTF	C 001	004E	1498	1500
		JCBDPDAT	C 001	000C	1437	1439
06		JCBDPG1L	C 001	003B	1482	1483
		JCBDPG2L	C 001	003D	1483	1484
		JCBDPLST	C 001	0005	1556	1558
07		JCBDPRG1	C 001	0033	1478	1479
		JCBDPRG2	C 001	0035	1479	1480
		JCBDPROG	C 001	0028	1456	1458
08		JCBDPSPB	C 001	0018	1450	1452
		JCBDRGSZ	C 001	002A	1468	1470
		JCBDRTCO	C 001	002F	1474	1476
09		JCBDSCH1	C 001	0002	1384	1394 4731*
		JCBDSCH2	C 001	0003	1394	1405
		JCBDSCH3	C 001	0004	1405	1415
10		JCBDSCH-	C 001	0063	1529	1539 4712* 4715*
		JCBDSCH5	C 001	0062	1518	1519
		JCBDSLLC	C 001	004D	1496	1498
11		JCBDSLLR	C 001	0055	1506	1508
		JCBDSL0B	C 001	002D	1472	1474
		JCBDSLST	C 001	000E	1439	1443
12		JCBDSPID	C 001	005C	1514	
		JCBSSBA	C 001	0001	1554	1555
		JCBSTAT	C 001	0029	1458	1468
13		JCBDUPS1	C 001	0006	1425	1435
		JCBMIR1L	C 001	003F	1484	1485
		JCBURZL	C 001	0041	1485	1487
14		JCBDUSER	C 001	006D	1541	1543 1544
		JCBDUSR1	C 001	0037	1480	1481
		JCBDUSR2	C 001	0039	1481	1482
15		JCBUSBP	C 001	0016	1448	1450
		JCBDIPRC	C 001	0020	1452	1457
		JCBLLNTH	C 001	0070	1546	
16		JCBMIBCH	C 001	0010	1399	
		JCBMDEAD	C 001	0008	1389	
		JCBMDKAL	C 001	0020	1418	
17		JCBMDOMD	C 001	0002	1391	
		JCBMDPRD	C 001	0004	1401	
		JCBMDSRC	C 001	0001	1413	
18		JCBMEIBA	C 001	0001	1537	
		JCBMEOMP	C 001	0004	1411	
		JCBMEVPR	C 001	0004	1535	
19		JCBMEXTD	C 001	0001	1466	
		JCBMFLIS	C 001	0040	1531	
20		JCBMFLUC	C 001	0010	1388	

01	02	SYMBOL	T LEN	VALUE	DEFN	REFER
01		JCBMHI PR	C 001	0030	1374	
03		JCBMICRC	C 001	0008	1400	
		JCBMINHT	C 001	0010	1365	
		JCBMINQP	C 001	0002	1402	
04		JCBMINTK	C 001	0010	1533	4712
		JCBMIPRC	C 001	0008	1378	
		JCBMLIST	C 001	0020	1522	
05		JCBMLOPR	C 001	0010	1376	
		JCBMMDPR	C 001	0020	1375	
		JCBMNEXT	C 001	0010	1523	
06		JCBMNRPT	C 001	0008	1366	
		JCBMNDI	C 001	0001	1403	
		JCBMNSC	C 001	0004	1367	
07		JCBMNRTP	C 001	0001	1382	
		JCBMNTER	C 001	0020	1363	
		JCBMNTRA	C 001	0080	1360	
08		JCBMOPCL	C 001	0080	1395	
		JCBMPGIS	C 001	0020	1532	
		JCBMPNEP	C 001	0020	1398	
09		JCBMPRTY	C 001	0040	1396	
		JCBMPUCL	C 001	0080	1385	
		JCBMRCM	C 001	0004	1421	
10		JCBMROVC	C 001	0010	1419	
		JCBMRDUJ	C 001	0008	1420	
		JCBMREGN	C 001	0080	1372	
11		JCBMREST	C 001	0010	1409	
		JCBMRINQ	C 001	0002	1412	
		JCBMRLCL	C 001	0040	1373	
12		JCBMRSET	C 001	0001	1423	
		JCBMRSNP	C 001	0002	1381	
		JCBMRTWA	C 001	0020	1387	4731
13		JCBMRUNG	C 001	0040	1361	
		JCBMSCRT	C 001	0008	1410	
		JCBMSELT	C 001	0002	1422	
14		JCBMSE0J	C 001	0080	1406	
		JCBMSLNG	C 001	0040	1521	
		JCBMSLOG	C 001	0080	1416	
15		JCBMSLOP	C 001	0002	1465	
		JCBMSOFF	C 001	0040	1407	
		JCBMSPCK	C 001	0002	1536	
16		JCBMSPTL	C 001	0020	1408	
		JCBMSRAL	C 001	0008	1534	
		JCBMSYLB	C 001	0080	1520	
17		JCBMSYSN	C 001	0040	1417	
		JCBMTMLK	C 001	0080	1530	
		JCBMUPS1	C 001	0080	1426	
18		JCBMUPS2	C 001	0040	1427	
		JCBMUPS3	C 001	0020	1428	
		JCBMUPS4	C 001	0010	1429	
19		JCBMUPS5	C 001	0008	1430	
		JCBMUPS6	C 001	0004	1431	
20		JCBMUPS7	C 001	0002	1432	

*SVAT TCB ATTACH TRANSIENT					
01	02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01					
02					4458 * GO TO CALCULATE THE NUMBER OF TRACKS TO ALLOCATE, AND THEN
					4459 * ALLOCATE THE SWAP AREA ON DISK.
03		0A28 5C 00 19 2D		4460	AT000240 MVC TCB@XRI(1,TCB1),TCBRGSIZ(,TCB1) SET SIZE TO CONVERT@240
		0A2C C0 87 0E65		4461	B SWAPSIZE GO CONVERT #2K TO TRACKS @290
					4462 *
04					4463 * NOW BRANCH TO THE ALLOCATE SUBROUTINE TO

*SVAT TCB ATTACH TRANSIENT					
01	02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01					
02					4470
					4471
03					4472
					4473
					4474
04					0A3C 4C 01 29 0EEO
					0A41 5C 01 37 29

15	39 *	40 * EXITS: NORMAL - TO ROUTINE TO BE FETCHED.	*	00350000	15
	41 *		*	00370000	
	42 *	ABNORMAL - TRANSIENT EXIT IF MAIN STORAGE OR SWAP STORAGE	*	00380000	
16	43 *	UNAVAILABLE TO START TASK	*	00390000	16
	44 *		*	00400000	
	45 *	EXTERNAL REFERENCES: CONTROL STORE ROUTINES - ASSIGN/FREE,	*	00410000	
17	46 *	FREE PAGE, SCB GET, LOAD ATRS, QUEUE,	*	00420000	17
	47 *	POST, GPOST, PMR	*	00430000	
	48 *		*	00440000	
18	49 *	NOTES: THIS ROUTINE MUST EXECUTE IN THE MAIN STORAGE TRANSIENT	*	00450000	18
	50 *	AREA	*	00460000	
	51 *		*	00470000	
19	52 *	CHARACTER CODE DEPENDENCY: N/A	*	00480000	19
	53 *		*	00490000	
	54 *	CHANGE ACTIVITY - #SVAU	*	00491000	
20	55 *		*	00491500	20

E34

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
JCBMIPR	C	001	0030	1374
JCBMICRC	C	001	0008	1400
JCBMINT	C	001	0010	1365
JCBMINDP	C	001	0002	1402
JCBMINTK	C	001	0010	1533 4712 4715
JCBMIPRC	C	001	0008	1378
JCBMLIST	C	001	0020	1522
JCBMLOPR	C	001	0010	1376
JCBMIDPR	C	001	0020	1375
JCBMNEXT	C	001	0010	1523
JCBMINT	C	001	0008	1366
JCBMINT	C	001	0001	1403
JCBMINDS	C	001	0004	1367
JCBMINTP	C	001	0001	1382
JCBMINT	C	001	0020	1363
JCBMINT	C	001	0080	1360
JCBMOPCL	C	001	0080	1395
JCBMINT	C	001	0020	1532
JCBMINT	C	001	0020	1398
JCBMINT	C	001	0040	1396
JCBMINT	C	001	0080	1385
JCBMINT	C	001	0004	1421
JCBMINT	C	001	0010	1419
JCBMINT	C	001	0008	1420
JCBMINT	C	001	0080	1372
JCBMINT	C	001	0010	1409
JCBMINT	C	001	0002	1412
JCBMINT	C	001	0040	1373
JCBMINT	C	001	0001	1423
JCBMINT	C	001	0002	1381
JCBMINT	C	001	0020	1387 4731
JCBMINT	C	001	0040	1361
JCBMINT	C	001	0008	1410
JCBMINT	C	001	0002	1422
JCBMINT	C	001	0080	1406
JCBMINT	C	001	0040	1521
JCBMINT	C	001	0080	1416
JCBMINT	C	001	0002	1465
JCBMINT	C	001	0040	1407
JCBMINT	C	001	0002	1536
JCBMINT	C	001	0020	1408
JCBMINT	C	001	0008	1534
JCBMINT	C	001	0080	1520
JCBMINT	C	001	0040	1417
JCBMINT	C	001	0080	1530
JCBMINT	C	001	0080	1426
JCBMINT	C	001	0040	1427
JCBMINT	C	001	0020	1428
JCBMINT	C	001	0010	1429
JCBMINT	C	001	0008	1430
JCBMINT	C	001	0004	1431
JCBMINT	C	001	0002	1432

D34

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
			4471 *		04360000
			4472 *	AT THIS POINT:	04370000
			4473 *	TCBAXR2-1=SCAMS*2K	04380000
			4474 *	TCBAXR2 =SCAM*XRG ALSO, MAIN STORAGE IS AVAILABLE	04390000
			4475 *		04400000
	0A3C	4C	01	29	0EEO 4476 AT000242 MVC TCBTSSN-1(TCB1),ALSSS MOVE IN ALLOCATE SS VALUE 04410000
	0A41	5C	01	37	29 4477 MVC ATSVSSA-1(TCB1),TCBTSSN-1(TCB1) SAVE IN TCB 04420000

N	aa290	04191200
	aa290	04191800
CONVERT	aa290	04192400
	aa290	04193000
	04193600	
aa290	04194200	

ERR LOC	OBJECT CODE
0AAA	6C 01 05 05
0AAE	4C 01 03 0141
0AB3	4C 01 0B 0FB4
0AB8	6C 01 09 19
0ABC	35 01 0F84
0ACO	B8 20 1E
0AC3	F2 10 31

*	00360000	15
*	00370000	
*	00380000	
*	00390000	16
*	00400000	
*	00410000	
*	00420000	17
*	00430000	
*	00440000	
*	00450000	18
*	00460000	
*	00470000	
*	00480000	19
*	00490000	
*	00491000	
*	00491500	20

00360000	15
00370000	
00380000	
00390000	16
00400000	
00410000	
00420000	17
00430000	
00440000	
00450000	18
00460000	
00470000	
00480000	19
00490000	
00491000	
00491500	20

CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
JCBMUPSB	C	001	0001	1433	
JCBMUSLB	C	001	0004	1379	
JCBMUDKT	C	001	0020	1461	
JCBMUDSK	C	001	0010	1462	
JCBMUIJT	C	001	0008	1463	
JCBMULIN	C	001	0040	1460	
JCBMUMPX	C	001	0004	1464	
JCBMUPNT	C	001	0080	1459	
JCBMUTCD	C	001	0004	1390	
JCBMXREF	C	001	0040	1386	
JCBMYMOD	C	001	0001	1392	
JCBM1LDJ	C	001	0001	1369	
JCBM1LDS	C	001	0002	1368	
JCBM15CP	C	001	0008	1524	
JCBM6LPI	C	001	0004	1559	
JCBM6LPI	C	001	0006	1560	
JCBM8LPI	C	001	0008	1561	
JCBSLCRT	C	001	EEEE	1441	
JCBSLOFF	C	001	0000	1440	
JCB1	C	001	0001	4145	4711* 4712 4715 4749* 4750
JCB2	C	001	0002	4146	4730* 4731
JOB1	C	001	0001	4136	4750* 4751 4752 4753 4754 4755 4756
LDLCHREQ	C	001	0040	0453	
LDLNPROG	C	001	0080	0452	
LIFO	C	001	0010	1057	1059
LOGTFULL	C	001	00FF	0541	
MLCA32K	C	001	0001	0364	
MPIOBERR	C	001	0008	0359	
NINE	C	001	0009	0798	
NOBIT	C	001	0000	0805	
NOOP	C	001	0080	0804	
NPRV	C	001	0001	0822	
NUM*LBFI	C	001	02E0	1716	1719
NUMACEQH	C	001	0190	1690	1693 4334 4520
NUMADURK	C	001	0700	1763	
NUMATQE	C	001	03A8	1745	1747
NUMBADZK	C	001	07C0	1766	
NUMCPTAH	C	001	0002	1699	
NUMCPTCB	C	001	0200	1698	1702 4324 4438* 4489 4491* 4495 4496 4501 4662 4809 4828
NUMCSETC	C	001	0380	1736	1738
NUMCXIOB	C	001	01E0	1696	1698
NUMDLTQE	C	001	03A0	1743	1745
NUMDPACE	C	001	03D0	1749	1751
NUMDPIOB	C	001	03B0	1747	1749
NUMDSTQE	C	001	0390	1738	1741
NUMERACE	C	001	0310	1722	1724
NUMTEACE	C	001	0370	1734	1736
NUMIPLAF	C	001	03F0	1753	1768
NUMLGACE	C	001	0320	1724	1726
NUMLOADI	C	001	2000	1777	
NUMMACE	C	001	0340	1728	1730
NUMNTQE	C	001	0398	1741	1743

SYMBOL	T	LEN	VALUE	DEFN
NUMPIOB	C	001	01C0	1693
NUMSSQS	C	001	1000	1774
NUMMACE	C	001	0360	1732
NUMRDIOB	C	001	02A8	1713
NUMSCA	C	001	0000	1687
NUMSPACE	C	001	03E0	1751
NUMSHACE	C	001	0350	1730
NUMTFACE	C	001	0330	1726
NUMTRACE	C	001	0300	1719
NUMTRBUF	C	001	0700	1761
NUMTUAQ	C	001	02A3	1710
NUMTUAXL	C	001	0280	1702
NUMTUAXR	C	001	02A2	1704
NUMXTENT	C	001	0800	1757
NUMIXMUC	C	001	0000	1685
NUM*LBFI	C	001	0020	1717
NUMLACE	C	001	0010	1720
NUMACEQH	C	001	00C0	1691
NUMADURK	C	001	00C0	1764
NUMCPTCB	C	001	0080	1700
NUMENTOB	C	001	0020	1694
NUMIPLAF	C	001	0310	1768
NUMMSSQS	C	001	1000	1775
NUMRDIOB	C	001	0038	1714
NUMSCA	C	001	0100	1688
NUMTQE	C	001	0008	1739
NUMTRBUF	C	001	0100	1760
NUMTUAQ	C	001	0005	1711
NUMTUAQ	C	001	0023	1703
NUMXTENT	C	001	0800	1758
NUMBITS	C	001	000F	0806
NUMVARMUC	C	001	1000	1772
ONE	C	001	0001	0790
OP1	C	001	0002	0820
OP2	C	001	0004	0819
PAK2	C	001	0002	4135
PLIFO	C	001	0040	0689
PREEPT	C	001	0080	0688
PRIOR	C	001	0080	1055
PRIOR#	A	001	0090	4847
PRIORF	C	001	0080	1060
PRIORL	C	001	0090	1059
PRM1	C	001	0001	4127
PRM2	C	001	0002	4128
PRV	C	001	0000	0821
PSH1	C	001	0001	4129
PSH2	C	001	0002	4130
PSIPL1	C	001	0004	0362
PSR	C	001	0004	0778
PUSHBEGL	C	001	0006	1789

#SVAT	TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
04360000	0AAA 6C 01 05 05			4519		MVC RB\$XR2(2,RB1),RB\$XR2(,RB2) SET NEW TASK'S XR2 VALUE	04573000
04370000	0AAE 4C 01 03 0141			4520		MVC RB\$XR1(2,RB1),NUMACEQH:QHDSPTCB SET TCB@ AS NEW XR1	04576000
04380000	0AB3 4C 01 08 0FB4			4521		MVC RB\$PSR(2,RB1),ATPMRL MOVE IN PMR VALUE	04590000
04390000	0ABB 6C 01 09 19			4522		MVC RB\$IAR(2,RB1),RB\$LEN+\$LDDSTRT(,RB2) SET NEW START C @	04600000
04400000	0ABC 35 01 0F84			4523		L ATTCB,TCB1 RELOAD TCB ADDRESS	04610000
04410000	0ACO B8 20 1E			4524		TBN RB\$LEN+\$ATFLAG(,RB2),\$ATTUBAS TUB ADDRESS PASSED ?	04630000
04420000	0AC3 F2 10 31			4525		JT AT000247 YES, A TUB @ PASSED	04640000

#SVAT	TCB ATTACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
0827 7C 01 5B							
082A 7C 01 76							
082D 7C 01 70							
0830 74 02 13							
0833 B9 CO J3							
0836 F2 90 16							
0839 9C 00 25 6B							

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		PAGE 141 V09/11/81 12/08/81									
CROSS-REFERENCE											
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES					
03	NUMPIOB	C	001	0100	1693	1696					
	NUMSSQS	C	001	1000	1774	1777					
	NUMXACE	C	001	0360	1732	1734					
	NUMRDIOB	C	001	02A8	1713	1716					
04	NUMASCA	C	001	0000	1687	1690 4205 4325 4326 4592 4632* 4642 4644 4671* 4758 4778* 4809 4884 4970 4987 5033					
	NUMSPACE	C	001	03E0	1751	1753					
05	NUMSPACE	C	001	0350	1730	1732					
	NUMTIACE	C	001	0330	1726	1728					
	NUMTRACE	C	001	0300	1719	1722					
06	NUMTRBUF	C	001	0700	1761	1763 1766 1768					
	NUMTWAQ	C	001	02A3	1710	1713					
	NUMTWAXL	C	001	0280	1702	1704 1710					
07	NUMTWAXR	C	001	02A2	1704	4982 5021					
	NUMXIENT	C	001	0800	1757	1761 1772					
	NUMFXNUC	C	001	0000	1685	1687					
08	NUMMLBFI	C	001	0020	1717	1719					
	NUMLACE	C	001	0010	1720	1722 1724 1726 1728 1730 1732 1734 1736 1738 1751 1753					
	NUMLACTQH	C	001	00C0	1691	1693					
09	NUMLADARK	C	001	00C0	1764	1766					
	NUMLPTCB	C	001	0080	1700	1702					
	NUMLETOB	C	001	0020	1694	1696 1698 1749					
10	NUMLPLAF	C	001	0310	1768						
	NUMLSSQS	C	001	1000	1775	1777					
	NUMLRDIOB	C	001	0038	1714	1716					
11	NUMLSA	C	001	0100	1688	1690					
	NUMLTQE	C	001	0008	1739	1741 1743 1745 1747					
	NUMTRBUF	C	001	0100	1760	1761					
12	NUMTWAQ	C	001	0005	1711	1713					
	NUMTWAXL	C	001	0023	1703	1704 1710 5079					
	NUMXIENT	C	001	0800	1758	1772					
13	NUMBITS	C	001	000F	0806						
	NUMVARNUC	C	001	1000	1772	1774					
	ONE	C	001	0001	0790						
14	OP1	C	001	0002	0820						
	OP2	C	001	0004	0819						
	PAK2	C	001	0002	4135	4751 4752 4753 4754 4755 4756					
15	PLIFO	C	001	0040	0689						
	PREEMPT	C	001	0080	0688	4649 4666					
	PRIOR	C	001	0080	1055	1059 1060					
16	PRIOR*	A	001	0090	4847	4841*					
	PRIORF	C	001	0080	1060						
	PRIORL	C	001	0090	1059						
17	PRM1	C	001	0001	4127	4199					
	PRM2	C	001	0002	4128	4713 4717 4723 4736					
	PRV	C	001	0000	0821	4200					
18	PSH1	C	001	0001	4129						
	PSH2	C	001	0502	4130	4358* 4359 4360 4362 4363 4369 4370 4370*					
	PSIPL11	C	001	0004	0362						
19	PSIPL11	C	001	0002	0363						
	PSR	C	001	0004	0778						
20	PUSHBEGL	C	001	0006	1789	1791					

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		PAGE 105 V09/11/81 12/08/81									
#SVAT TCB ATTACH TRANSIENT											
01	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE STATEMENT				
02		0B27	7C	01	5B	4565	AT000248	MVI	TCBINVCT(,TCB1),1	INVITE COUNT = 1	04B...
		0B2A	7C	01	76	4566		MVI	TCBAROCT(,TCB1),1	ALLOC. REQ. COUNT = 1	04B...
		0B2D	7C	01	70	4567		MVI	TCBAROCT(,TCB1),1	ALLOC. WS COUNT = 1	04B...
03		0B30	74	02	13	4568		ST	TCBRTUB(,TCB1),TUB2	SET REQ. TUB ADDRESS	04B...
		0B33	B9	CO	03	4569		TBF	TUBCMD(,TUB2),TUBEXEC	AM ICS SESSION ?	04B...
		0B36	F2	90	16	4570		JF	AT000249	NO, THEN ASSIGN ACE	04B...
04		0B39	0C	05	00	4571		MVI	TCBRTUB(,TCB1),TUB2	SET REQ. TUB ADDRESS	04B...

16	0002	145	\$ATERRO2 EQU X'02'	ENOUGH STORAGE
	0003	146 *	TASK NON-SWAPPABLE, AND NOT	
		147	\$ATERRO3 EQU X'03'	STORAGE REQUIREMENTS WILL
		148 *		PUT A SWAPPABLE TASK TO SLEEP
17	0004	149 *	\$ATERRO4 EQU X'04'	ASSIGN FAILURE ON TCB
	0005	151	\$ATERRO5 EQU X'05'	ASSIGN FAILURE ON RB
18	0006	152	\$ATERRO6 EQU X'06'	ALLOCATE FAILURE FOR SWAP AREA
	0007	153	\$ATERRO7 EQU X'07'	ALLOCATE FAILURE FOR USWA
		154	*** END OF EXPANSION **	

	0004	196	CSBMD	
	0001	198	CSBMD	
17	0009	200	CSBMD	
	000A	201	CSBMD	
	0080	202	CSBMD	
18	0040	203	CSBMD	
	0020	204	CSBMD	
	0010	205	CSBMD	
19	0008	206	CSBMD	
	0004	207	CSBMD	
		208 *		
		209 *		

F01

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01	CROSS-REFERENCE			
02	SYMBOL	T	LEN	VALUE DEFN REFERENCES
	PUSHCORE	C	001	0007 1791 1793 4360
03	PUSHIND	C	001	0004 1784 1788 4359 4362
	PUSHLEN	C	001	0008 1793
04	PUSHMONS	C	001	0080 1792 4360
	PUSHOCH	C	001	0001 1782 1783 4363 4369 4370
	PUSHOSS	C	001	0003 1783 1784
	PUSHPART	C	001	0080 1785 4359
05	PUSHSSN	C	001	0005 1788 1789
	QCPWAIT	C	001	0008 2471
	QFRMEXM	C	001	0004 2468
06	QHDCILK	C	001	004E 1108
	QHDCNLG	C	001	004C 1107
	QHDCOM1	C	001	0008 1072
07	QHDCOM1	C	001	005C 1115
	QHDCOM2	C	001	005E 1116
	QHDCOM3	C	001	0060 1117
08	QHDCOM4	C	001	0062 1118
	QHDCOCL	C	001	0054 1111
	QHDCSB	C	001	0072 1126
09	QHDCSQ	C	001	0058 1113
	QHDCXNT	C	001	0018 1080
	QHDDILK	C	001	0064 1119
10	QHDEIB	C	001	00A0 1145
	QHDERB	C	001	0074 1127
	QHDEXAM	C	001	00A6 1148
11	QHDEXTRA	C	001	009A 1142
	QHDFD	C	001	0000 1068
	QHDFDA	C	001	0030 1092
12	QHDFDB	C	001	0032 1093
	QHDFDC	C	001	0034 1094
	QHDFDD	C	001	0036 1095
13	QHDFGLF	C	001	00A4 1147
	QHDFGW	C	001	0076 1128
	QHDHI	C	001	0001 1052
14	QHDHIST	C	001	006E 1124
	QHDINQEX	C	001	0090 1137
	QHDIOXNT	C	001	000A 1073
15	QHDIO	C	001	0002 1069
	QHDIOA	C	001	0038 1096
	QHDKBTR	C	001	001E 1083
16	QHDLOAD	C	001	001C 1082
	QHDLOC	C	001	007A 1130
	QHDNTI	C	001	00A8 1149
17	QHDSACE	C	001	00A2 1146
	QHDSNULL	C	001	0000 1051
	QHDPDLH	C	001	00AA 1150
18	QHDPILK	C	001	006C 1123
	QHDPRIQ	C	001	0044 1103 4837
	QHDPRT	C	001	0004 1070
19	QHDPPT1	C	001	0020 1084
	QHDPPT2	C	001	0022 1085
	QHDPPT3	C	001	0024 1086

01				
02	SYMBOL	T	LEN	VALUE DEFN REFERENCES
	QHDPPT4	C	001	0026 1087
03	QHDPPT5	C	001	0028 1088
	QHPT6	C	001	002A 1089
	QHDPPT7	C	001	002C 1090
04	QHDPPT8	C	001	002E 1091
	QHDPQUALC	C	001	0092 1138
	QHDFILK	C	001	0052 1110
05	QHDSCT	C	001	0094 1139
	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
06	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
07	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
08	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
09	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
10	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
11	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
12	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
13	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
14	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
15	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
16	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
17	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
18	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
19	QHDSCT	C	001	0096 1140
	QHDSCT	C	001	0096 1140
20	QHDSCT	C	001	0096 1140

E01

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01	#SVAT	TCB ATTACH TRANSIENT		
02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
	0B9A	06	0B9A 4613	DC AL1(QHDSCT) DISPLACEMENT TO DESIRED QUEUE HEADER
	0B9B	00	0B9B 4614	DC AL1(ACECHAIN-1) DISPLACEMENT TO QUEUING FIELD
03	0B9C	40	0B9C 4615	DC AL1(CO+SYS+0+0) SYSTEM QUEUE FUNCTION
	0B9D	F2 87 18	4617	J ATO00270 CONTINUE SET UP 05170000
04	0BA0	BA 44 37	4618 ATO00260	SBN TUBATTR3(, JB2), TUBIMI+TUBSIMI SET+SAVE IMPLICIT INVA0800 05170000
	0BA3	BB 08 3A	4619	SBF TUBATTR6(, TUB2), TUBMDTA SET OFF MPT DATA 05170000
	0BA6	BA 40 01	4620	SBN TUBCOMPL(, TUB2), TUBCOMPL MARK TUB COMPLETE 05170000
05	0BA9	75 02 0E	4621 ATO00265	I ACETCRAC(ACE1) TCR2 XPT-> TCR 05170000

01	#SVAT	TCB ATTACH TRANSIENT		
02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
	0BFF	C2 01 0250	4662	
				4663 *
03	0C03	F4 00 03		4664
	0C06	48	0C06	4665
	0C07	80	0C07	4666
				4667 *
04	0C08	B5 01 24		4668 *
	0C0B	7A 42 0C		4669 *
	0C0E	5C 01 17 33		4670
05	0C12	1C 01 000F 1B		4671

16	0002	197	CSBMCLOS	EQU	X'02'	CSB	CSB DLOS. CALC WITH ONE JOB
17	0009	200	CSBOSCA	EQU	CSBDAT3+2	SDLC	COMMON AREA ADDRESS
18	000A	201	CSBDLST	EQU	CSBOSCA+1	LINE	STATUS BYTE
19	0080	202	CSBMDRWS	EQU	X'80'	TERM/DET	FOR RWS
20	0040	203	CSBMDPER	EQU	X'40'	TERM/DET	FOR PEER
	0020	204	CSBMSFS	EQU	X'20'	TERM/DET	FOR SNA FINANCE
	0010	205	CSBMDST	EQU	X'10'	TERM/DET	FOR STATION TEST
	0008	206	CSBMTRM	EQU	X'08'	TERMINATE	ISSUED
	0004	207	CSBMSL	EQU	X'04'	SHARABLE	LINE
	208 *		EQU	X'02'		RESERVED	
	209 *		EQU	X'01'		RESERVED	

16	0016	252	CSBD				
	0018	253	CSBD				
	0019	254	CSBD				
	001A	255	CSBD				
	0080	256	CSBM				
		257 *					
	0040	258	CSBM				
	0020	259	CSBM				
	0010	260	CSBM				
	0008	261	CSBM				
	0004	262	CSBM				
	0002	263	CSBM				

F02

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CROSS-REFERENCE						
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
QHDPT4	C	001	0026	1087		
QHDPT5	C	001	0028	1088		
QHD 6	C	001	002A	1089		
QHDPT7	C	001	002C	1090		
QHDPT8	C	001	002E	1091		
QHDQUAIL	C	001	0092	1138		
QHDRFILK	C	001	0052	1110		
QHDRPT	C	001	0094	1139		
QHDSECT	C	001	0096	1140		
QHDSEC	C	001	0078	1129		
QHDSILK	C	001	0056	1120		
QHDSNA	C	001	007E	1132		
QHDSPLK	C	001	00AC	1151		
QHDSPTCB	C	001	0041	1101	4334 4520	
QHDSQB	C	001	0056	1112		
QHDSQE	C	001	004A	1106		
QHDSQS	C	001	0082	1134		
QHDSQSPT	C	001	0070	1125		
QHDSUBCN	C	001	009C	1143		
QHDSUBRA	C	001	009E	1144		
QHDTCBQ	C	001	0046	1104		
QHDTIMEA	C	001	003E	1100		
QHDTIMER	C	001	003C	1099		
QHDTRM	C	001	0050	1109		
QHDTTC	C	001	0048	1105	4648 4665	
QHDOTUB	C	001	005A	1114		
QHDOTWA	C	001	001A	1081		
QHDOTWAF1	C	001	0098	1141		
QHDVILK	C	001	0068	1121		
QHDVSC	C	001	0006	1071	4613	
QHDVQS	C	001	0080	1133		
QHDXIENT	C	001	0042	1102		
QHDX21	C	001	00AE	1152		
QHDSILK	C	001	006A	1122		
QHWAIT	C	001	0008	2470	2478 2479 2480	
QWCHPRI	C	001	0018	2479		
QWQ	C	001	0010	2473	2478 2479	
QWQNV	C	001	0019	2478		
QWREF	C	001	0002	2465	4725 4745 4764	
QWREFRESH	C	001	0001	2464		
QWSET	C	001	0010	2472		
QWSPEC	C	001	0009	2480		
QWYSREQ	C	001	0004	2467		
QWTOEXM	C	001	0008	2469		
QWQUEUE	C	001	0000	1054		
QWWAIT	C	001	0001	2463	2478 2480 4584 4594 5102	
QWXLUFF	C	001	0004	2466	4594 4745 5102	
QWXRZ	C	001	0020	2474		
QWXU	C	001	0040	2475		
QWQ	C	001	0000	2476	4192 4215 4612 4624 4647 4664 4822 4830 4836 4909 4929 4942 5105	
QWQ1	C	001	0001	2462		

E02

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#SVAT TCB ATTACH TRANSIENT						
ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE STATEMENT
02		OBFF	C2 01 0250	4662	LA	NUMPCPTCB+TCBTTC-1,XR1 XR1-> CP'S TTC ECB
				4663 *	POST	DEV-QHDTTC,PREMPT-MD POST HIS TTC
03		OC03	F4 00 03	4664	SVC	SVCPOST,QO
		OC06	48	4665	DC	AL1(QHDTTC)
		OC07	80	4666	DC	AL1(PREMPT+0+0)
				4667	***	END OF EXPANSION **
04		OC08	B5 01 24	4668	AT000287 L	TUBTCB(,TUB2),TCB1 XR1-> TUB
		OC0B	7A 42 00	4669	AT000290 SBN	TCBSTAT1(,TCB1),TCBNIO+TCBSWAP SET ON MD I/O AND SWAP
		OC0E	5C 01 17 33	4670	MVC	TCBCRB(2,TCB1),ATSVRBA(,TCB1) MOVE IN RB ADDRESS
05		OC12	1C 01 000E 1B	4671	MVC	NUMSCA+SCAMXRG(2),TCBAXR(,TCB1) MOVE IN #SWAP/MAX. RG
				4672 *		

#SVAT TCB ATTACH TRANSIENT

ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE STATEMENT
02						4678
						4679
03						4680
						4681
						4682
						4683
04						4685
05		OC1B	35 02 0141			4686
						4687
						4688

16	0016 252 CSBDSDCM EQU CSBDMDS+2 SDLC COMMON AREA ADDRESS	16
	0018 253 CSBDSNAC EQU CSBDSDCM+2 SNA COMMON AREA ADDRESS	
17	0019 254 CSBDMONE EQU CSBDSNAC+1 END OF MON CSB FOR *SNA1	17
	001A 255 CSBDSTB1 EQU CSBDMONE+1 SNA STATUS BYTE 1	
18	0080 256 CSBMRQYS EQU X'80' REQDISCONT (REQUEST DISCONTACT	18
	257 * * SPECIFIED) - YES	
19	0040 258 CSBMRQNO EQU X'40' REQDISCONT - NO	19
	0020 259 CSBMTEBI EQU X'20' CSBDMIC CONTAINS TEBa INDICATOR	
19	0010 260 CSBMUJCK EQU X'10' USER IS WAITING ON A CHECK	19
	0008 261 CSBMC SLU EQU X'08' LU CONFIGURED AS SINGLE LOGICAL UNIT	
20	0004 262 CSBMPINT EQU X'04' CSB AT PRE-INIT STAGE	20
	0002 263 CSBMUJAT EQU X'02' USER IN WAIT STATE	

01		CROSS-REFERENCE		01			
02	SYMBOL	T LEN VALUE	DEFN	02	SYMBOL	T LEN VALUE	DEFN
	RAFA	C 001 001A	4078		RLIBRY	C 001 000A	4062
	RALLOC	C 001 000C	4064		RLOPEN	C 001 0016	4074
	RB\$ARR	C 001 0007	1800 1801		ROFFLINE	C 001 0027	4091
	RB\$CHAIN	C 001 0001	1797 1798 4867		ROPEN	C 001 0002	4054
	RB\$IAR	C 001 0009	1801 1802 4522*		ROPHLT	C 001 0012	4070
	RB\$INL1	C 001 000E	1805 1806		RPRALGN	C 001 0014	4072
	RB\$INL2	C 001 000F	1806 1807		RPRAZ	C 001 002B	4095
	RB\$INL3	C 001 0010	1807 1808		RRDDM	C 001 0041	4117
	RB\$INL4	C 001 0011	1808 1809 1810 1811 4518*		RRSVDOO	C 001 0000	4052
	RB\$LEN	C 001 0012	1809 4199* 4212 4238 4242* 4243* 4244* 4245* 4246* 4247 4252 4254 4254*		RSALOC	C 001 000E	4066
			4255 4255* 4261 4262 4265* 4276 4277 4289 4292* 4293 4390 4423		RSETX	C 001 0020	4084
			4480 4481 4515 4515 4515* 4522 4524 4526 4528 4529 4535 4547		RSGET	C 001 0008	4060
			4690 4713 4717 4723 4736 4742 4788 4789 4797 4814* 4817 4864		RSIN	C 001 0007	4059
			4866		RSLIST	C 001 0006	4058
	RB\$PMR	C 001 000A	1802 1803		RSLOG	C 001 0005	4057
	RB\$PSR	C 001 000B	1803 1804 4521*		RSMFC	C 001 003C	4112
	RB\$RQ	C 001 000D	1804 1805		RSMSG	C 001 0009	4061
	RB\$TLEN	C 001 0030	1812 4508 4930		RSNAP	C 001 0011	4069
	RB\$WORK	C 001 002F	1811 1812		RSORT	C 001 0036	4106
	RB\$WORKS	C 001 0012	1810 4556 4557* 4563*		RSPALC	C 001 001C	4080
	RB\$XR1	C 001 0 3	1798 1799 4520* 4878* 4898 4899		RSPMIC	C 001 0031	4101
	RB\$XR2	C 001 0005	1799 1800 4519 4519* 4868 4879* 4900 4953		RSPOOD	C 001 0018	4079
	RB1	C 001 0001	4147 4511* 4515 4515 4516 4518 4519 4520 4521 4522 4689* 4690 4927*		RSPQMG	C 001 0043	4119
	RB2	C 001 0002	4148 4198* 4199 4207* 4212 4237 4238 4242 4243 4244 4245 4246 4247		RSVNR	C 001 0022	4086
			4252 4254 4254 4255 4261 4262 4265 4276 4277 4289 4292		RSVTX	C 001 0035	4105
			4293 4389* 4390 4422* 4423 4479* 4480 4481 4517* 4519 4522 4524		RSUDM	C 001 0018	4076
			4526 4528 4529 4535 4547 4708* 4735* 4741* 4742 4787* 4788 4789		RTALLOC	A 004 0F7D	5066
			4797 4810* 4814 4817 4863* 4864 4366 4867 4868 4877* 4878 4879		RTDEALL	A 004 0ED6	5004
			4897* 4898 4899 4900 4952* 4953		RTTC	C 001 001E	4082
	RCHKPT	C 001 0030	4100		RUPDAT	C 001 002F	4099
	RCLSE	C 001 0003	4055		RVTCDFD	C 001 000B	4063
	RCMD	C 001 002C	4096		RVTORD	C 001 0010	4068
	RCPEER	C 001 001D	4081 4853		RWDAP	C 001 0024	4088
	RCPRT	C 001 0015	4073		RWDDP	C 001 002A	4094
	RCPTC	C 001 001F	4083		RWDDA	C 001 0026	4090
	RCTMINT	C 001 003D	0627		RWDDB	C 001 0021	4085
	RDALOC	C 001 000D	4065		RWDDG	C 001 0023	4087
	RDNCALL	C 001 0013	4071		RWDDH	C 001 0028	4092
	REQJ	C 001 0004	4056		RWDDL	C 001 0038	4108
	REXTND	C 001 002E	4098		RWDDQ	C 001 0025	4089
	REXTNP	C 001 0038	4111		RWDDQ	C 001 0029	4093
	REXTRA	C 001 0037	4107		RWDDT	C 001 003F	4115
	RFINO	C 001 0001	4053		RWDDU	C 001 003E	4114
	RFINDLIB	C 001 0019	4077		RWDH	C 001 0042	4118
	RGLFAC	C 001 003A	4110		RWEGE	C 001 0040	4116
	RGLFR	C 001 0039	4109		RWSDM	C 001 0017	4075
	RICDA	C 001 0032	4102		RXTEND	C 001 0043	4120
	RICDB	C 001 0033	4103 4561		SCA#DUDM	C 001 00B3	2271
	RICDC	C 001 0034	4104		SCA#ICDM	C 001 00B3	2278
	RICDD	C 001 003D	4113		SCA#JDBO	C 001 00AD	2274
	RINFO	C 001 000F	4067		SCA#JDB1	C 001 00AF	2275
	RIOERR	C 001 002D	4097		SCA#JDB2	C 001 00B1	2276

01		#SVAT TCB ATTACH TRANSIENT		01		
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	02	ERR LOC OBJECT CODE	ADDR
	05430000				OC63 B5 02 17	
	05440000				OC66 7D 00 14	
		4678	*****aa290		OC69 F2 81 0F	
		4679 *	NOW FIRST CALCULATE THE NUMBER OF TRACKS NEEDED FOR A SWAP aa290			
		4680 *	AREA FROM THE NUMBER OF 2K REQUIRED FOR THE ATTACHING TASK. aa290			
		4681 *	THEN RETURN TO CALLER WITH THE NUMBER OF TRACKS TO aa290			
		4682 *	DEALLOCATE/ALLOCATE. THEN DEALLOCATE OLD/ALLOCATE NEW. aa290			
		4683	*****aa290		OC6C 75 01 15	
	05460000				OC6F 7A 10 63	
	05490000				OC72 B8 20 27	
SWAP	05500000	OC1B 35 02 0141	4685 * TCBa R-TCB2 XR2->CURRENT TCB aa290		OC75 F2 90 03	
			4686 L 321,TCB2 GET TCB ADDRESS.			

15	001C 302 CSBDTID@ EQU CSBDTID@+2 * ADDRESS OF SWITCHED TRANSMIT	15	
	303 * * ID IN BSC I/O AREA		
	0021 304 CSBDLCS EQU CSBDTID@+5 DISK ADDRESS FOR BSC LINE INIT. XIENTS		
16	306 *****	16	
	307 *		
17	308 *THE FOLLOWING ARE USED BY BATCH BSC AS A PARAMETER LIST TO THE	17	
	309 *BSC MESSAGE TRANSIENT (*BSCMD). THEY ARE USED WHEN CSBDRTNC=X'02' *		
	310 *		
	311 *****		
18	0022 313 CSBDBMSI EQU CSBDLCS+1 MESSAGE INDEX	18	
	002C 314 CSBM2222 EQU X'2C' LAST CSB FLAG USED IN TERMINATION		
19	0020 315 CSBM3290 EQU X'20' OPERATOR ANSWER MSG	19	
	0021 316 CSBM3295 EQU X'21' OPERATOR DIAL		
20	0022 317 CSBM3210 EQU X'22' CLOSE ERROR (0,2,3 OPTIONS)	20	

F04

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	02	
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			PAGE 145 V09/11/81 12/08/81 21:28	
			CROSS-REFERENCE	
	02	SYMBOL T LEN VALUE DEFN REFERENCES		
		RLTBRY C 001 000A 4062		
		RLOPEN C 001 0016 4074		
		ROFFLINE C 001 0027 4091		
		ROPEN C 001 0002 4054		
		RPGHLT C 001 0012 4070		
		RPRALGN C 001 0014 4072		
		RPRAZ C 001 002B 4095		
		RRDDM C 001 0041 4117		
		RRSVDOO C 001 0000 4052		
		RSALOC C 001 000E 4066		
		RSETX C 001 0020 4084		
		RSGET C 001 0008 4060		
		RSIN C 001 0007 4059		
		RSLIST C 001 0006 4058		
		RSLOG C 001 0005 4057		
		RSMFC C 001 003C 4112		
		RSMG C 001 0009 4061		
		RSNAP C 001 0011 4069		
		RSORT C 001 0036 4106		
		RSPALC C 001 001C 4080		
		RSPMIC C 001 0031 4101		
		RSPool C 001 001B 4079		
		RSPQMG C 001 0043 4119 4120		
		RSVNR C 001 0022 4086		
		RSVTX C 001 0035 4105 5057		
		RSWSDM C 001 0018 4076		
		RTALLOA A 004 0F7D 5068 4917* 4946 5020* 5066*		
		RTDEALL A 004 0ED6 5004 4981*		
		RTTC C 001 001E 4082		
		RUPDAT C 001 002F 4099		
		RVTOCFD C 001 000B 4063		
		RVTORD C 001 0010 4068		
		RWDAF C 001 0024 4088		
		RWDPC C 001 002A 4094		
		RWDDA C 001 0026 4090		
		RWDDB C 001 0021 4085		
		RWDDG C 001 0023 4087		
		RWDDH C 001 0028 4092		
		RWDDL C 001 0038 4108		
		RWDDO C 001 0025 4089		
		RWDDQ C 001 0029 4093		
		RWDDT C 001 003F 4115		
		RWDDU C 001 003E 4114		
		RWDHH C 001 0042 4118		
		RWEJE C 001 0040 4116		
		RWSDM C 001 0017 4075		
		RXTEND C 001 0043 4120 4122 4123		
		SCA#DWDM C 001 00B3 2277 2278		
		SCA#ICDM C 001 00B3 2278		
		SCA#JDB0 C 001 00AD 2274		
		SCA#JDB1 C 001 00AF 2275		
		SCA#JDB2 C 001 00B1 2276		

E04

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05523040	02	
05523060		
05523080		
05523100	03	
05523120		
05523140	04	

#SVAT TCB ATTACH TRANSIENT		PAGE 109 V09/11/81 12/08/81 21:28	#SVAT TCB ATTACH TRANSIENT
ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT			ERR LOC OBJECT CODE ADDR
0C63 B5 02 17 4708 AT000294 L TCBCRB(,TCB2),RB2 POINT TO CURRENT RB	aa001	05524200	0C63 B5 02 17 4708 AT000294 L TCBCRB(,TCB2),RB2 POINT TO CURRENT RB
0C66 7D 00 14 4709 CLI TCBJCB@-1(,TCB1),0 JCBLESS TASK ?	aa001	05524800	0C66 7D 00 14 4709 CLI TCBJCB@-1(,TCB1),0 JCBLESS TASK ?
0C69 F2 81 0F 4710 JE AT000295 YES, BYPASS CHECK	aa001	05525400	0C69 F2 81 0F 4710 JE AT000295 YES, BYPASS CHECK
0C6C 75 01 15 4711 L TCBJCB@,TCB1),JCB1 POINT TO JCB	aa001	05526000	0C6C 75 01 15 4711 L TCBJCB@,TCB1),JCB1 POINT TO JCB
0C6F 7A 10 63 4712 SBN JCBDSCH4(,JCB1),JCBMINTK SET ON NON-INIT. ATT.	aa001	05526600	0C6F 7A 10 63 4712 SBN JCBDSCH4(,JCB1),JCBMINTK SET ON NON-INIT. ATT.
0C72 B8 20 27 4713 TBN RB\$LEN+\$ATFLAG1(,PRM2),\$ATQKINT ATTACHED VIA INIT?	aa001	05527200	0C72 B8 20 27 4713 TBN RB\$LEN+\$ATFLAG1(,PRM2),\$ATQKINT ATTACHED VIA INIT?
0CDF F4 02 50			0CDF F4 02 50

17	00F3 363 CSBM4695 EQU X'F3'	BSC UNIT CHECK ON ENQ
	00F4 363 CSBM4694 EQU X'F4'	NO CONNECTION NON-SWITCHED LINE
	00F5 364 CSBM4695 EQU X'F5'	TEMPORARY MLCA PROC CHK
	00F6 365 CSBM4696 EQU X'F6'	PERMANENT MLCA PROC CHK
18	00F7 366 CSBM4697 EQU X'F7'	NO CONNECTION; AUTOCALL (4692 W/ 2 OPT)
	00F8 367 CSBM4697 EQU X'F8'	OPERATOR ANSWER REQUIRED
	00F9 368 CSBM4689 EQU X'F9'	AUTOCALL TASK NOT ACTIVE ON SYSTEM
19	00FA 369 CSBM4690 EQU X'FA'	X.21 TASK NOT ACTIVE ON SYSTEM
	00FB 370 CSBM4698 EQU X'FB'	CALL ATTEMPT WITH INVALID PHONE LIST
	00FC 371 CSBM4699 EQU X'FC'	PHONE PARAMETER ON INVALID LINE TYPE

F05

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		PAGE 146 V09/11/81 12/08/81 21:28	
CROSS-REFERENCE			
02	SYMBOL	T LEN VALUE	DEFN REFERENCES
03	SCAMDOB3 C 001	00B5 2284	
	SCAMZKMS C 001	000C 1848	1852
	SCACKRST C 001	0080 2335	
04	SCACNFG C 001	002F 1977	1979
	SCACSATB C 001	0084 2127	2129
	SCACSIZE C 001	0011 1891	1894
	SCACS16K C 001	0004 1892	
05	SCADANZK C 001	007A 2118	2120
	SCADMTUB C 001	0052 2007	2009
	SCADABCT C 001	0077 2096	2098
06	SCADBSCT C 001	0053 2009	2011
	SCADCFGS C 001	00A8 2263	2273 2286
	SCADCFG1 C 001	0012 1894	1909
07	SCADCFG2 C 001	0013 1909	1922
	SCADCFG3 C 001	0014 1922	1932
	SCADCFG6 C 001	00C4 2332	2344
08	SCADCFG7 C 001	009F 2212	2232
	SCADCFG8 C 001	00A7 2239	2249
	SCADCFG9 C 001	00A8 2249	2261
09	SCADCFSS C 001	0008 1846	1848
	SCADCMTR C 001	0018 1945	1961
	SCADCON1 C 001	0093 2197	4205 4884
10	SCADCPKA C 001	0040 2002	
	SCADCP51 C 001	0070 2073	2083
	SCADCP52 C 001	0071 2083	2093
11	SCADCP53 C 001	00C3 2322	2332
	SCADCP54 C 001	00C0 2290	2300
	SCADCPWA C 001	0082 2125	2127
12	SCADCPYR C 001	00FF 2380	2382
	SCADCSPI C 001	008C 2134	2144
	SCADCSPI C 001	008D 2144	2154
13	SCADCSPI C 001	008E 2154	2164 4592 4632*
	SCADCTUT C 001	0060 2047	2049 2065 4778*
	SCADDATE C 001	005F 2045	2047
14	SCADDAY C 001	005F 2044	2045
	SCADDMIC C 001	0001 1826	
	SCADFI5T C 001	0051 2006	2007
15	SCADHFUK C 001	00A4 2234	2237
	SCADICSA C 001	00C6 2344	2346
	SCADKCFG C 001	0040 1861	
16	SCADKKKA C 001	00D8 2368	2370
	SCADKLRC C 001	006B 2063	2066 2068
	SCADLBF1 C 001	004F 2004	2006 4758
17	SCADLIN# C 001	0091 2166	2193
	SCADMATR C 001	00E0 2382	
	SCADMCFG C 001	0079 2108	2118
18	SCADMCTR C 001	007B 2120	2121
	SCADMERP C 001	0040 2001	2002 2004
	SCADMGOI C 001	0073 2093	2094
19	SCADMID# C 001	007E 2122	2123
	SCADMINT C 001	005E 2043	2044
20	SCADMID# C 001	0017 1943	1945

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01	#SVAT	TCB ATTACH TRANSIENT	
02	ERR LOC	OBJECT CODE	ADDR STMT SOURCE
	05524200	0CD6 35 02 004F	4758 AT000360 L NJWCSA+SCADLBF1,2 POINT TO SYS. LIBR. F1
	05524800	0CDA BE 00 12 OFBA	4759 ALC FIADLBUS(1,2),ATCONONE INCREMENT USE COUNT
	05525400		4760 * 06000000
	05526000		4761 * TURN ON SYSTEM IN USE LITE 06010000
	05526600		4762 * 06020000
	05527200		4763 * LITES CS-QN,Q-ONREF DON'T ALLOW REFRESH aa185 06030000
	05527800	0CDF F4 02 50	4764 SVC SVCCXNT,QNREF
	05528400	0CE2 09	OCE2 4765 DC XL1'09' TRANSIENT ID
	05585000	0CE3 52	OCE3 4766 DC AL1(C0*X'02'+X'50') INDICATOR BYTE
	05680000	0CE4 00	OCE4 4767 DC XL1'0' NOT USED
	05690000		4768 *** END OF EXPANSION **
		0CE5 34 01 0F84	4769 ST ATTCB,TCB1 STORE TCB ADDRESS 06040000
		0CE9 7D F6 6B	4770 CLI TCBSKIDC,TCB1,TCBIDSDP RWS SOLC TASK ? 06041000
		0CEC F2 81 18	4771 JE AT000365 YES, DON'T INCREMENT 06042000

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01	#SVAT	TCB ATTACH TRANSIENT	
02	ERR LOC	OBJECT CODE	ADDR STMT SOURCE
		0D37 0C 00 0D48 0D4D	4806
		0D3D 0C 00 0D4A 0D4D	4807
		0D43 0E 02 0D4D 0F80	4808
		0D49 4C 00 00 0200	4809 AT000360
		0D4E 75 02 17	4810 AT000360
			4811 *
			4812 * M
			4813 *
		0D51 8C 12 24 0FD1	4814
		0D56 4C 01 21 0FB2	4815
		0D5B 7C 14 60	4816
		0D5E E2 02 12	4817
		0D61 74 02 1F	4818
		0D64 E2 02 07	4819

CROSS-REFERENCE				
02	SYMBOL	T LEN	VALUE	DEFN REFERENCES
03	SCADMQNT	C 001	008B 2132	2134
03	SCADMTUB	C 001	006D 2068	2069
03	SCADPIND	C 001	0010 1887	1891
04	SCADPSVC	C 001	0000 1829	1830
04	SCADPTUB	C 001	006F 2069	2073
04	SCADREJA	C 001	0092 2195	2197
05	SCADREL#	C 001	0016 1942	1943
05	SCADREQJ	C 001	0095 2193	2194 2195 2199
05	SCADRFTR	C 001	00CE 2346	2348
06	SCADRSCZ	C 001	007F 2123	2124
06	SCADRSEC	C 001	00A2 2232	2234
06	SCADRSPC	C 001	00BF 2288	2290
07	SCADS8FP	C 001	004B 1999	2001
07	SCADSCIM	C 001	007D 2121	2122
07	SCADSDLP	C 001	009E 2210	2212
08	SCADSLS	C 001	009D 2209	2210
08	SCADSECA	C 001	0076 2094	2096
08	SCADSECZ	C 001	0080 2124	2125
09	SCADSEUA	C 001	0057 2013	2014
09	SCADSEUQ	C 001	0059 2014	2015 2017
09	SCADSL0G	C 001	005A 2017	2021
10	SCADSL0T	C 001	008A 2130	2132
10	SCADSNAT	C 001	0090 2164	2166 4642 4644
10	SCADSNAL	C 001	009B 2207	2208
11	SCADSNAT	C 001	009C 2208	2209
11	SCADSP1a	C 001	000A 1844	1846
11	SCADSSQS	C 001	0099 2203	2205
12	SCADSSCS	C 001	002B 1974	1975
12	SCADSS10	C 001	002D 1975	1977
12	SCADSSJQ	C 001	0044 1988	1990
13	SCADSSPS	C 001	0029 1973	1974
13	SCADSSPF	C 001	00D9 2370	
13	SCADSSPR	C 001	0047 1990	1998
14	SCADSSVC	C 001	0005 1831	1833
14	SCADTBUF	C 001	0097 2199	2201
14	SCADTKS2	C 001	00AA 2261	2263 4970 4987 5033
15	SCADTL0K	C 001	0002 2161	4595 4632
15	SCADTRS2	C 001	009A 2205	2207
15	SCADUCFG	C 001	00D6 2348	2349 2350 2351 2352 2368
16	SCADUDT1	C 001	00D5 2349	
16	SCADUDT2	C 001	00D3 2350	
16	SCADUDT3	C 001	00D1 2351	
17	SCADUDT4	C 001	00CF 2352	
17	SCADVICE	C 001	0055 2011	2013
17	SCADWDBR	C 001	00B7 2286	2288
18	SCADWDBT	C 001	00AC 2273	2274 2275 2276 2277 2284
18	SCADWRKA	C 001	00A6 2237	2239
19	SCADWJQS	C 001	0098 2201	2:03
19	SCADXM1D	C 001	00C2 2300	2302 2312 2322
19	SCADXM11	C 001	00C1 2302	
19	SCADXM12	C 001	00C2 2312	
20	SCADXSLT	C 001	0085 2129	2130

#SVAT TCB ATTACH TRANSIENT						
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
05980000	02	0D37 0C 00 0D4B 0D4D	4806	MVC	AT000366+2(1),AT000366+4	MOVE OFFSET TO INSTRUCTION 06167500
05990000	02	0D3D 0C 00 0D4A 0D4D	4807	MVC	AT000366+1(1),AT000366+4	MOVE LENGTH-1 TO INSTR. 06168000
06000000	03	0D43 0E 02 0D4D 0F80	4808	ALC	AT000366+4(3),ATMAP	ADD CONSTANT TO OFFSETS 06168500
06010000	03	0D49 4C 00 00 0200	4809	AT000366 MVC	*(#,TCB1),NUMSCA+NUMCPTCB+#	MOVE IN CP'S ATRS 06169000
06020000	03	0D4E 75 02 17	4810	AT000367 L	TCBCRB(,TCB1),RB2	POINT TO ASSIGNED RB 06170000
06030000	04		4811 *			06180000
	04		4812 *		MOVE BOOTSTRAP CODE TO START TASK TO THE ASSIGNED RB	06190000
	04		4813 *			06200000
	05	0D51 8C 12 24 0FD1	4814	MVC	RB\$LEN+ATMLEN-1(ATMLEN,RB2),ATMCODE+ATMLEN-1	MOVE IN COD 06210000
	05	0D56 4C 01 21 0FB2	4815	MVC	TCB@PSMR(2,TCB1),ATPMRR	MOVE IN PMR VALUE 06220000
	05	0D5B 7C 14 60	4816	MVI	TCBTQE+TQELG1+1-TQELENC,TCB1),TQEREAL+TQEBIN	INIT. FLAG 06230000
	06	0D5E E2 02 12	4817	LA	RB\$LENC,RB2),XR2	POINT TO LOADER CODE 06240000
06040000	06	0D61 74 02 1F	4818	ST	TCB1AR(TCR1),XR2	STORE AS NEW CONTROL ADDR 06250000

#SVAT TCB ATTACH TRANSIENT						
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
	02					4859
	02					4860
	03	0DA7 35 02 0141				4861
	03					4862
	04	0DAB B5 02 17				4863
	04	0DAE 2C 03 0FD5 26				4864
	04	0DB3 35 01 0F84				4865
	04	0DB7 B9 80 27				4866
	05	0DBA BD 00 00				4867
	05	0DBD B5 02 05				4868
	06	0DDC F2 91 03				4869
	06					4870

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		CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES		
SCADXSVC	C	001	0003	1830			
SCADXTRA	C	001	0078	2098	2108		
SCADYEAR	C	001	0050	2042	2043		
SCAFVTOC	C	001	001E	1964	1965		
SCAFVTON	C	001	0020	1965	1967		
SCAHFCUR	C	001	0035	1981	1983		
SCAHFERR	C	001	0080	2022			
SCAHFSIZ	C	001	0033	1980	1981		
SCAIPLW4	C	001	0060	2065			
SCAIPLW1	C	001	0068	2066			
SCAIPLW5	C	001	0095	2194			
SCAIPLW6	C	001	0059	2015			
SCAIVTOC	C	001	0022	1967	1968		
SCAIVTON	C	001	0023	1968	1970		
SCALOGSS	C	001	0027	1971	1973		
SCAMACDP	C	001	0004	2140			
SCAMACDV	C	001	0010	2138			
SCAMACMG	C	001	0008	2139			
SCAMACSP	C	001	0002	2141			
SCAMACU1	C	001	0008	2183			
SCAMACU2	C	001	0004	2184			
SCAMACU3	C	001	0002	2185			
SCAMACU4	C	001	0001	2186			
SCAMALL	C	001	0040	2075			
SCAMARR	C	001	0040	2136			
SCAMATBS	C	001	0080	2032			
SCAMAUTO	C	001	0080	1895			
SCAMXRG	C	001	000E	1854	1856 4326 4671*		
SCAMBADG	C	001	0040	2265			
SCAMBSCA	C	001	0080	1923			
SCAMBSV	C	001	0015	1932	1942		
SCAMCCHK	C	001	0040	2033			
SCAMCFER	C	001	0020	2157			
SCAMCFG5	C	001	0004	1938			
SCAMCLOG	C	001	0010	1936			
SCAMCLOK	C	001	0002	2028			
SCAMCIDE	C	001	0001	1920			
SCAMCNAT	C	001	0080	1910			
SCAMCOUT	C	001	0040	2085			
SCAMCPAF	C	001	0010	2087			
SCAMCPL	C	001	0080	2074			
SCAMCRAN	C	001	0008	1900			
SCAMCRT	C	001	0010	2019			
SCAMDATE	C	001	0008	2036			
SCAMDCKF	C	001	0040	2324			
SCAMDEAD	C	001	0001	1940			
SCAMDELE	C	001	0004	2089			
SCAMDFA	C	001	0010	2338			
SCAMDOM	C	001	0002	2038			
SCAMDPOK	C	001	00A5	1888			
SCAMDPLUS	C	001	005A	1889			
SCAMDREC	C	001	0080	2109			

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06220000
06230000
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		*SVAT TCB ATTACH TRANSIENT					
ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
					4859	***	END OF EXPANSION **
					4860	*	TCB@ R-TCB2 XR2-> CURRENT TCB 06400000
		0DA7	35 02 0141		4861	L	321,TCB2 GET TCB ADDRESS.
					4862	***	END OF EXPANSION **
		0DAB	B5 02 17		4863	L	TCBCRB(,TCB2),RB2 XR2-> CURRENT RB 06410000
		0DAE	2C 03 0FD5 26		4864	MVC	ATSSN+3(4),RB\$LEN+\$ATSSSN(,RB2) MOVE IN SSN OF NEXT 06420000
		0DB3	35 01 0F84		4865	L	ATTCB,TCB1 POINT TO ASSIGNED TCB 06430000
		0DB7	B9 80 27		4866	TBF	RB\$LEN+\$ATFLAG(,RB2),\$ATFRSH REFRESH ALWAYS ? 06440000
		0DBA	BD 00 00		4867	CLI	RB\$CHAIN-1(,RB2),0 ANY MORE RB'S IN CHAIN ? 06450000
		0DBD	B5 02 05		4868	L	RB\$XR2(,RB2),XR2 LOAD XR2 VALUE PASSED 06460000
		0DC0	F2 91 03		4869	JC	AT000370,X'91' YES, EVERYTHING SET UP 06470000

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15	0000 467 FIAMNFG EQU X'00	BIT ON = INVALID INDEX		
	468 *	(KEYSORT MAYBE IN PROCESS)		
16	470 *****			
	471 * THE FOLLOWING BIT MASKS FOR X'80' ARE VALID ONLY IF 'FIAMINDX' IS *			
	472 * OFF *			
17	473 *****			
18	0080 475 FIAMSCMD EQU X'80'	SECTOR MODE LIBRARIAN FILE		
	476 *	(IF 'FIAMLBLE' IS ON)		0010
	0080 477 FIAMSCLB EQU X'80'	SECURE LIBRARY		
	478 *	(IF FIADRECL = X'0000')		0020
19	0020 480 FIAMNEW EQU X'20'	BIT ON = NEW FILE		0030
	0004 481 FIAMSPAI EQU X'04'	SPINDLE AT REQUESTED ORIGINALLY		0040
20				0070

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
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#SVAT TCB ATTACH TRANSIENT			
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02			4908 *T000380 EXIT 06640000
	0E0F F4 00 11		4909 AT000380 SVC SVCEXIT,QQ
			4910 *** END OF EXPANSION **
03			
04			

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15	520 *	BIT	0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7	aa419		
	521 *			aa419	0040 572	
	522 *	*RESERVED	= 0	aa419	0020 573	
	523 *	*OFFSET	= X X X	aa419	0010 574	
16	524 *	*RESERVED	= 0	aa419	0008 575	
	525 *	*SECTOR NUMBER	= Y Y Y Y Y Y Y Y Y Y	aa419	0025 577	
	526 *			aa419	0027 578	
17	527 *	WHERE 'XXX' IS DEFINED BELOW:			aa419	
	528 *			aa419	0027 580	
	529 *		VVV	aa419	581	
18	0010	530 F1AMV1ST EQU	B'00010000'	FIRST FORMAT-1 IN SECTOR aa419		
	531 *			(ALSO INCREMENTS OFFSET) aa613	583	
19	0020	532 F1AMV2ND EQU	B'00100000'	SECOND FORMAT-1 IN SECTOR aa419	584	
	0030	533 F1AMV3RD EQU	B'00110000'	THIRD FORMAT-1 IN SECTOR aa419	585	
	0040	534 F1AMV4TH EQU	B'01000000'	FOURTH FORMAT-1 IN SECTOR aa419	586	
20	0070	535 F1AMVALL EQU	B'01110000'	CLEARs OFFSET aa419	587	

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CROSS-REFERENCE							
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
02	SCAMMLCA	C	001	0080	2155		SCAMVHLD C 001 0080 2291
03	SCAMMRJE	C	001	0040	1925		SCAMMDMR C 001 0004 1915
	SCAMMSBL	C	001	0008	2088		SCAMMDMX C 001 0008 1914
04	SCAMDDDD	C	001	0001	2330		SCAMMSCB C 001 0040 2156
	SCAMOTTO	C	001	0001	1930		SCAMMUSE C 001 0010 2077
	SCAMPIE	C	001	0002	1939		SCAMMTC C 001 0004 2037
	SCAMPOVK	C	001	0040	2146		SCAMXTRA C 001 0080 2099
05	SCAMPREP	C	001	0001	2029		SCAMX21 C 001 0001 2378
	SCAMPRT	C	001	00E0	2018		SCAMX215 C 001 0002 2329
	SCAMPRI0	C	001	0001	2366		SCAMX211 C 001 0088 2188
06	SCAMPRI20	C	001	0002	2365		SCAMX212 C 001 0044 2189
	SCAMPRA0	C	001	0004	2364		SCAMX213 C 001 0022 2190
	SCAMPRA80	C	001	0008	2363		SCAMX214 C 001 0011 2191
07	SCAMPWSF	C	001	0040	1911		SCAMMYD C 001 0001 2039
	SCAMRBLD	C	001	0008	2026		SCAM0128 C 001 0001 2061
	SCAMRCFG	C	001	0002	2257		SCAM0256 C 001 0002 2060
08	SCAMRILP	C	001	0020	2325		SCAM0512 C 001 0004 2059
	SCAMRSEC	C	001	0080	2264		SCAM065M C 001 0041 1882
	SCAMRWAV	C	001	0040	2252		SCAM1FM C 001 0010 2057
09	SCAMRWCF	C	001	0001	2258		SCAM10MG C 001 0000 1874
	SCAMRWFT	C	001	0010	2254		SCAM1024 C 001 0008 2058
	SCAMRWV	C	001	0020	2253		SCAM1255 C 001 0080 2135
10	SCAMRWS	C	001	0008	1927		SCAM128K C 001 0040 1835
	SCAMRWSA	C	001	0080	2250		SCAM13MG C 001 0001 1873
	SCAMRWSP	C	001	0040	2241		SCAM130M C 001 00C1 1883
11	SCAMRWV	C	001	0008	2255		SCAM195M C 001 00E1 1884
	SCAMS#2K	C	001	0000	1852	1854 4325	SCAM2FM C 001 0020 2056
	SCAMSACT	C	001	0010	1898		SCAM2MFM C 001 0040 2055
12	SCAMSSEC	C	001	0002	2080		SCAM256K C 001 0080 1834
	SCAMSFLG	C	001	0008	1937		SCAM260M C 001 0001 1885
	SCAMSIZE	C	001	0006	1833	1841	SCAM27MG C 001 0081 1872
13	SCAMSJE	C	001	0020	2076		SCAM62PC C 001 0040 1880
	SCAMSJF	C	001	0020	1935		SCAM65MG C 001 0001 1881
	SCAMSJFC	C	001	0020	2337		SCAOVER C 001 0020 2024
14	SCAMSJFM	C	001	0040	1934		SCARDVMT C 001 0067 2051 206
	SCAMSNA	C	001	0010	1926		SCARDVOL C 001 0066 2049 205
	SCAMSPB	C	001	0001	1907		SCASDISK C 001 000F 1856 188
15	SCAMSPGP	C	001	0020	1897		SCASHMSG C 001 0038 1984 198
	SCAMSPOL	C	001	0010	1913		SCASHMSG C 001 0038 1984 198
	SCAMSPRK	C	001	0040	2304		SCASTOSS C 001 0025 1970 197
16	SCAMSRJE	C	001	0020	1924		SCASMSG1 C 001 0038 1983 198
	SCAMSSST	C	001	0008	2078		SCASMSG2 C 001 0041 1986 198
	SCAMSUBS	C	001	0004	2340		SCASPART C 001 0040 2110
17	SCAMSWAP	C	001	0004	2256		SCASSTWA C 001 001A 1961 196
	SCAMS32K	C	001	0010	1839		SCASTOPS C 001 0080 2323
	SCAMS48K	C	001	0018	1838		SCASMSG C 001 003E 1985 198
18	SCAMS64K	C	001	0020	1837		SCASYS C 001 0000 1824 182
	SCAMS96K	C	001	0030	1836		SCASYS1 C 001 0058 2021 203
	SCAMTACT	C	001	0001	2142		SCASYS2 C 001 005C 2031 204
19	SCAMTELL	C	001	0001	2091		SCATWASZ C 001 001C 1962 196
	SCAMTOLD	C	001	0002	2090		SCAUSERA C 001 0049 1998 199
20	SCAMUASF	C	001	0002	2341		SCAZKBAD C 001 0008 1841 184

E09

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#SVAT TCB ATTACH TRANSIENT							
01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT		
02	06640000			4912 *		06660000	
				4913 *	ON ANY ATTACH ERROR, FREE ALL ALLOCATED RESOURCES AND MOVE	06670000	
				4914 *	THE VALUE O0XX INTO XR1, WHERE XX IS A PREDESIGNATED RETURN CODE	06680000	
03				4915 *		06690000	
				0E12 4916	ATERROR EQU *	06700000	
04				0E12 34 08 0F80	ST RTALLOc+3,ARR	06710000	
				0E16 3D 00 0F83	4918 CLI ATTCB-1,0	06712000	
					SAVE CALLER'S ARR		
					ANY TCB ASSIGNED ?		

15 625 *****
 626 *****
 627 ** THE FOLLOWING LABELS ARE USED BY \$PACK TO INDICATE THAT A SYSTEM **
 628 ** FAILURE OR PERMANENT I/O ERROR OCCURRED BEFORE \$PACK HAD COMP- **
 16 629 ** LATELY MOVED THE FILE, WHERE PART OF THE FILE MAY HAVE BEEN **
 630 ** OVERLAYED DURING THE MOVE OPERATION. **
 631 ** **
 17 632 ** IF \$PACK IS ABLE TO MOVE THE FILE SUCCESSFULLY, THESE FIELDS ARE **
 633 ** SET TO ZERO. **
 634 ** **
 18 635 ** THE VALUES STORED IN THIS AREA ALLOW \$PACK TO RESTART WITHOUT **
 636 ** LOSING ANY DATA IF THE ABOVE ERROR(S) SHOULD OCCUR DURING **
 637 ** EXECUTION. **
 19 638 *****
 639 *****
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CROSS-REFERENCE																	
01	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				01							
02	SCA2KOK	C	001	0000	1842					02	SUBABTRM	C	001	0001	3662		
03	SCA2SPIN	C	001	0080	1858					03	SUBAPRNT	C	001	003E	3676	3677	
	SCA3SPIN	C	001	0020	1859						SUBASGNA	C	001	001E	3614		
	SCA4SPIN	C	001	0010	1860						SUBASGNL	C	001	000A	3557	3558	
04	SC000100	A	003	0870	4247	4239				04	SUBATTR1	C	001	0035	3628		
	SC000110	A	003	087C	4252	4249					SUBATTR2	C	001	0036	3637		
	SETLOW	C	001	0008	0108	0136	0137	0138	0141	0142	0163	0164	0165	0166	0167	0168	0197
05	SETNUM	C	001	0004	0109	0188	0189	0190	0206	0207	0210	0211	0212				
	SEVEN	C	001	0007	0796	4453											
06	SIX	C	001	0006	0795												
	SI21	C	001	0001	4149												
	SI22	C	001	0002	4150	5065*											
07	SNASIZ	C	001	0005	4163	4333											
	SUB\$ACQ	C	001	0020	3546												
	SUB\$ACTV	C	001	0080	3515												
08	SUB\$ALCQ	C	001	0004	3585												
	SUB\$ALSQ	C	001	0002	3590												
	SUB\$ASF	C	001	00FF	3552												
09	SUB\$CAN	C	001	0040	3548												
	SUB\$CMPL	C	001	0040	3516	4576											
	SUB\$DOD	C	001	0020	3573												
10	SUB\$DSK	C	001	0040	3569												
	SUB\$EOC	C	001	0022	3533	3537											
	SUB\$EOCM	C	001	0002	3534	3538											
11	SUB\$EOF	C	001	0022	3537												
	SUB\$EOPM	C	001	0002	3538												
	SUB\$EOSA	C	001	00F0	3551												
12	SUB\$EOSN	C	001	00E0	3550												
	SUB\$EOX	C	001	0030	3527												
	SUB\$EOXM	C	001	0010	3528												
13	SUB\$EVOK	C	001	0004	3543												
	SUB\$EXEC	C	001	0020	3526												
	SUB\$FAIL	C	001	0021	3535												
14	SUB\$FALV	C	001	0080	3682												
	SUB\$FMH	C	001	0024	3531												
15	SUB\$FMHM	C	001	0004	3532												
	SUB\$GET	C	001	0001	3541												
	SUB\$INV	C	001	0040	3686												
16	SUB\$NRP	C	001	0080	3549												
	SUB\$NRPV	C	001	0010	3577												
	SUB\$PRAL	C	001	0080	3565												
17	SUB\$PSTH	C	001	0008	3581												
	SUB\$PTH	C	001	0028	3529												
	SUB\$PTHM	C	001	0008	3530												
18	SUB\$PUT	C	001	0002	3542												
	SUB\$RCD	C	001	0008	3544												
	SUB\$REL	C	001	0010	3545												
19	SUB\$SACQ	C	001	0030	3547												
	SUB\$SKIP	C	001	0080	3510												
20	SUB\$SPRC	C	001	0040	3521												

#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02			4974	*
			4975	* DEALLOC IS CALLED TO FREE UP TASK WORK AREA SPACE. ATALLS2
03			4976	* CONTAINS THE SS AND TRACK SIZE TO FREE
			4977	*
		0E8F	4978	DEALLOC EQU *
04	0E9A	4979		USING DE000010, BAS2
		4980		IA DE000010 BAS2
				USE AS A BASE AREA
				LOAD BASE REGISTER

ERR LOC	OBJECT CODE	ADDR	STMT	
02				5012
				5013
03				5014
				5015
				5016
04				5017
				5018

14		14	0004 687 FSB
			0002 688 FSB
			689 *
			690 *
15		15	
			000C 692 FSB
16		16	
			000E 694 FSB
17		17	
			000F 696 FSB
			0080 697 FSB
			0040 698 FSB
			0020 699 FSB
18		18	
			0010 700 FSB
			0008 701 FSB
19		19	
			0004 702 FSB
			0002 703 FSB
20		20	
			0001 704 FSB

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
03	SUBBTRM	C	001	3662
03	SUBAPRNT	C	003E	3676 3677
03	SUBASGN	C	001E	3614
04	SUBASGNL	C	000A	3557 3558
04	SUBATTR1	C	0035	3628
04	SUBATTR2	C	0036	3637
05	SUBATTR3	C	0037	3643 4572 4574*
05	SUBATTR5	C	0039	3657 4552
05	SUBATTR6	C	003A	3665
06	SUBBFLG	C	0011	3564
06	SUBBFLG2	C	0046	3681
06	SUBBUB	C	0010	3560 3561 3562 3564
07	SUBCHAIN	C	0013	3601 3602
07	SUBCMDT	C	0020	3630
07	SUBCMD	C	0004	3540 3554
07	SUBCMD	C	0003	3525
08	SUBCOMP1	C	0001	3514 4576
08	SUBCOMP2	C	0002	3520
09	SUBDAT	C	0006	3554 3555
09	SUBDFRSP	C	0001	3596
09	SUBDSAB	C	0002	3634
10	SUBDSAP	C	0040	3629
10	SUBDSK	C	0041	3677 3678
10	SUBECM	C	0000	3508 4575*
11	SUBEFFL	C	0008	3556
11	SUBEDXR	C	0020	3659 4552
11	SUBFTOD	C	0008	3632
12	SUBGFAL	C	0001	3635
12	SUBIARF	C	0010	3648
12	SUBIIS	C	0080	3645
13	SUBIMI	C	0040	3646 4574
13	SUBIPS	C	0020	3647 4572
13	SUBJCB	C	0032	3625 3626
14	SUBLENGH	C	0048	3690
14	SUBLIN*	C	0038	3651
14	SUBLINI	C	0000	3653
14	SUBLINI	C	0001	3654
15	SUBLIN2	C	0002	3655
15	SUBLOC	C	0027	3621
16	SUBMDATA	C	0010	3640
16	SUBMROTA	C	0008	3671
16	SUBMSTDY	C	0080	3639
17	SUBNCOM	C	0004	3670
17	SUBOPSTS	C	0030	3624
17	SUBOUTL	C	0008	3555 3556 3557
18	SUBPCFGR	C	0022	3618
18	SUBQSHDR	C	0034	3626
18	SUBRAHD	C	0080	3667
19	SUBRECL	C	0043	3678 3679
19	SUBREL	C	0004	3660
19	SUBRQCD	C	0020	3669
20	SUBSGN	C	0010	3631

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#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
07060000				5012 *
07070000				5013 * ALLOC IS CALLED TO ALLOCATE TASK WORK AREA SPACE IN A CONTIGUOUS
07080000				5014 * FASHION ACCORDING TO THE TRACK SIZE PASSED IN ATALSIZ. THE
07090000				5015 * ALLOCATED SS IS RETURNED IN ALSSS.
07100000				5016 *

#SVAT TCB ATTACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
07320000				OF6C 6C 02 A4 3D
07330000				OF70 D0 81 0C
07340000				
07350000				
07360000				

13	0010	685	FSBMSNLB	EQU	X'10'	BIT ON = SESSON LIBRARY FSB
	0008	686	FSBPKKEYS	EQU	X'08'	BIT ON = FILE HAS BEEN KEYSORTED
14	0004	687	FSBMUSED	EQU	X'04'	BIT ON = DTF ASSOCIATED WITH THIS FSB
	0002	688	FSBMLBST	EQU	X'02'	BIT ON = LIBRARY FSB CREATED BY A LIBRARY STATEMENT
	689	*				
15	690	*	EQU	X'01'	RESERVED	
	000C	692	FSBDFCHN	EQU	FSBDATT2+2	FORWARD CHAIN POINTER
16	000E	694	FSBDF1PT	EQU	FSBDFCHN+2	FORMAT-1 POINTER
	000F	696	FSBDATT3	EQU	FSBDF1PT+1	ATTRIBUTE BYTE THREE
17	0080	697	FSBMOPD	EQU	X'80'	BIT ON = FILE HAS BEEN OPENED
	0040	698	FSBMCLD	EQU	X'40'	BIT ON = FILE HAS BEEN CLOSED
	0020	699	FSBMCOMP	EQU	X'20'	BIT ON = RESERVE AREA COMPRESS REQUIRED
18	0010	700	FSBMLPV	EQU	X'10'	BIT ON = OFF-LINE MULTI-VOLUME FILE
	0008	701	FSBMLPT	EQU	X'08'	BIT ON = FILE ACCESS IS FOR INPUT
	0004	702	FSBMOPD	EQU	X'04'	BIT ON = FILE ACCESS IS FOR OUTPUT
19	0002	703	FSBMUPD	EQU	X'02'	BIT ON = FILE ACCESS IS FOR UPDATE
	0001	704	FSBMADD	EQU	X'01'	BIT ON = FILE ACCESS IS FOR ADD
20						

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01 CROSS-REFERENCE			
02	SYMBOL	T LEN VALUE	DEFN REFERENCES
03	SUBSNUBa	C 001 0010	3561
	SUBSRES1	C 001 0019	3609 3610
	SUBSRES2	C 001 001A	3610 3611 3612
	SUBSRES3	C 001 001B	3612 3613
04	SUBSRES4	C 001 001C	3613
	SUBSRQ	C 001 0002	3661
	SUBSSBa	C 001 000C	3558 3559
05	SUBSTPJ	C 001 0004	3633
	SUBSTSKI	C 001 0014	3602 3604
	SUBTCB	C 001 0024	3619 3620
06	SUBTSUBa	C 001 0010	3562
	SUBUSER	C 001 002F	3623
	SUBUTSKI	C 001 0025	3620 3621 4571*
07	SUBWSID	C 001 0020	3616
	SUBWSWA	C 001 0022	3617 3618
	SUBXCHNa	C 001 001C	3611 3614
08	SUBXFACT	C 001 0016	3604 3608
	SUBXPRL	C 001 0045	3679 3681
	SUBXPRPa	C 001 0018	3608 3609
09	SUBXSca	C 001 000E	3559 3560
	SUBO412	C 001 0040	3668
	SVCASGN	C 001 000A	2404
10	SVCASSGN	C 001 0006	2400 4224 4507 4584
	SVCComm	C 001 0044	2450
	SVCXNT	C 001 0050	2454 4764
11	SVCDSPECH	C 001 0027	2434
	SVCDLMP	C 001 0022	2429
	SVCEXIT	C 001 0011	2411 4909 5105
12	SVCFD	C 001 0040	2446
	SVCFREE	C 001 0007	2401 4215 4929 4942
	SVCFREEP	C 001 0013	2413
13	SVCGETP	C 001 0012	2412
	SVCPOST	C 001 0001	2395 4638 4999
	SVCWAIT	C 001 0000	2394
14	SVCIXNT	C 001 0045	2451
	SVCISEC	C 001 0008	2402
	SVCIO	C 001 0041	2447
15	SVCIBTR	C 001 005C	2458
	SVCIDATR	C 001 000C	2406
	SVCLOAD	C 001 0052	2456 5102
16	SVCLOG	C 001 001A	2420
	SVCMOVEI	C 001 002A	2437
	SVCOP	C 001 00F4	2482
17	SVCOPR	C 001 000D	2407 4192
	SVCPOST	C 001 0003	2397 4647 4664
	SVCPOSTA	C 001 0019	2419
18	SVCPOSTI	C 001 002B	2438
	SVCPPSVC	C 001 000B	2405 4634 4857
	SVCPOSVC	C 001 004C	2452
19	SVCPREP	C 001 0026	2433
	SVCPRIQ	C 001 0024	2431 4843
20	SVCPT	C 001 0042	2448

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01 *SVAT TCB ATTACH TRANSIENT			
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0732C900	0F6C 6C 02 A4 3D	5060 MVC ATALSIZ(3,BAS1),ATSVSIZ(,TCB2) RESTORE SIZE AND ARR
	07330000	0F70 00 01 0C	5061 BE AL:00005(,BAS1) GO CHECK NEXT
	07340000		

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01 *SVAT TCB ATTACH TRANSIENT			
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02			5070 * CONST
			5071 * NOTE
			5072 *

13			
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001C 761 QHC
001E 762 QHC
0020 763 QHC
0022 764 QHC
0024 765 QHC
0026 766 QHC
0028 767 QHC
002A 768 QHC
002C 769 QHC
002E 770 QHC
0030 771 QHC
0032 772 QHC
0034 773 QHC
0036 774 QHC
0038 775 QHC
776 *

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01	CROSS-REFERENCE															01
02	SYMBOL	T	LEN	VALUE	DEFN	REF	REFERENCES	02	SYMBOL	T	LEN	VALUE	DEFN	REF	REFERENCES	
	SVCQS	C	001	0020	2426				TCBQHDR	C	001	002F	2679			
03	SVCQSCAN	C	001	001B	2421				TCBARQ	C	001	0023	2661	2662		
	SVCQUEUE	C	001	000E	2408	4612	4624 4830 4836		TCBARSE	C	001	0018	2655			
	SVCWAIT	C	001	002C	2439				TCBAKRI	C	001	0019	2656	2657		
04	SVCRDEQ	C	001	0021	2428				TCBAKRI	C	001	0019	2656	4460*		
	SVCRDYCK	C	001	0025	2432				TCBAKRI	C	001	0019	2656	2658		
	SVCRENO	C	001	0021	2427	2428			TCBAKRI	C	001	0018	2657	4416*		
05	SVCRCPT	C	001	0028	2435				TCBABTRM	C	001	0010	2744			
	SVCSCB	C	001	000F	2409	4822			TCBAEOEO	C	001	0002	2759			
	SVCSSSW	C	001	0009	2403				TCBAFAIL	C	001	005F	2691			
06	SVCSSQ	C	001	0029	2436				TCBAROCT	C	001	0076	2771	2772		
	SVCSTEST	C	001	0023	2430	4594			TCBASGNO	C	001	005D	2689	2690		
	SVCTID	C	001	0015	2415				TCBASRWI	C	001	0002	2587			
07	SVCTIH	C	001	001F	2425				TCBATNS	C	001	0080	2774	4331		
	SVCTIN	C	001	0014	2414				TCBATRS	C	001	004F	2680	2681		
	SVCTIR	C	001	0016	2416				TCBATTCH	C	001	0040	2742	4307		
08	SVCTKW	C	001	0017	2417				TCBAWAIT	C	001	0080	2567			
	SVCTOD	C	001	002E	2441				TCBAWUCT	C	001	0070	2762	2763		
	SVCTPOST	C	001	001D	2423				TCBBAT	C	001	0078	2783	2788		
09	SVCTWA	C	001	0051	2455				TCBBEGL	C	001	002B	2671	2672		
	SVCTWAIT	C	001	001E	2424				TCBCAT	C	001	0071	2764	2765		
	SVCUNSTK	C	001	0005	2399	4871			TCBCATM	C	001	0070	2763			
10	SVCWAIT	C	001	0002	2396				TCBCCALL	C	001	0010	2595			
	SVCWSC	C	001	0043	2449				TCBCHAIN	C	001	000D	2646	2647		
	SVCXAF	C	001	002D	2440				TCBCHKPT	C	001	0040	2593			
11	SVCXFER	C	001	0004	2398				TCBCMPHQ	C	001	0009	2642	2645		
	SVCXFR	C	001	00F5	2483				TCBCNCNT	C	001	0074	2767	2769		
	SVCXIENT	C	001	0010	2410				TCBCNLPD	C	001	0004	2746	4887		
12	SVCXNTOF	C	001	0018	2418				TCBCNZPD	C	001	0040	2754			
	SWAP10	C	001	0080	0450				TCBCN3PD	C	001	0020	2755			
	SWAPSIZE	A	001	0E65	4962	4461	4693 4696		TCBCRB	C	001	0017	2654	2655	4708	
13	SWSZRTRN	A	004	0E8B	4972	4963*										
	SWSZ0010	A	006	0E7C	4969	4971										
	SW0	C	001	0000	0111	0128 0129 0130 0131 0132 0133 0134 0135 0136 0137 0138 0141										
14	SW1	C	001	0001	0112	0156 0159 0160 0163 0164 0165 0166 0167 0168										
	SW2	C	001	0002	0113	0176 0177 0187 0188 0189 0190										
15	SW3	C	001	0003	0114	0200 0201 0202 0203 0204 0206 0207 0210 0211 0212 0213										
	SYN1	C	001	0001	4153											
	SYN2	C	001	0002	4154	4723*										
16	SYS	C	001	0040	1056	4615 4839										
	TAB1	C	001	0001	4159											
	TAB2	C	001	0002	4160											
17	TASFAIL	C	001	0020	0505											
	TCBARR	C	001	001D	2658	2659 4271* 4272 4272* 4273 4273* 4274 4274* 4276 4329* 4333* 4347*	4348 4350 4352 4362* 4365 4365* 4366 4368 4375* 4376 4378									
18	TCB@IAR	C	001	001F	2659	2660 4818*										
	TCB@INL1	C	001	0024	2662	2663										
	TCB@INL2	C	001	0025	2663	2664										
19	TCB@INL3	C	001	0026	2664	2665										
	TCB@INL4	C	001	0027	2665	4399* 4400* 4407 4409										
20	TCB@PSMR	C	001	0021	2660	2661 4815*										

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01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	07645600				5070 * CONSTANTS AND WORK AREAS	02					07700000

(ACE)	14	0082	813	QHDSSQS	EQU	X'82'	SYSTEM QUEUE SPACE	(FQE)	14
(ACE)			814	* ----	THRU	----			
(ACE)			815	*			RESERVED		
(ACE)		0090	816	QHDINDEX	EQU	X'90'	INQUIRY EXIT QUEUE	(ACE)	
(ACE)	15	0092	817	QHDQUAIL	EQU	X'92'	QUEUED ACQUIRE INTERFACE LIST	(PL)	15
(ACE)		0094	818	QHDXPT	EQU	X'94'	REMOTE PRINTER QUEUE	(ACE)	
(ACE)		0096	819	QHDSCCT	EQU	X'96'	SUBSYSTEM CONFIGURATION TABLE	(PL)	
(ACE)		0098	820	QHDTHAF1	EQU	X'98'	TJA EXTENSION F1 CHAIN	(F1)	16
(ACE)	16	009A	821	QHDEXTRA	EQU	X'9A'	EXTENDED TRACE	(PL)	16
(ACE)		009C	822	QHDSUBCN	EQU	X'9C'	SUBCONSOLE SYSLOG	(PL)	
(ACE)		009E	823	QHDSUBRA	EQU	X'9E'	SUBCONSOLE REASSIGN	(PL)	17
(ACE)		00A0	824	QHDEIB	EQU	X'9A'	ERROR INFORMATION BLOCK	(EIB)	17
(ACE)		00A2	825	QHDSNACE	EQU	X'92'	NS GET PAGE ACE	(ACE)	
(ACE)		00A4	826	QHDGLF	EQU	X'94'	GENERAL LOGGING FACILITY PARMLIST	(PL)	18
(ACE)		00A6	827	QHDEXAM	EQU	X'96'	EXAM QUEUE	(CNAS)	
(ACE)		00A8	828	QHDMTI	EQU	X'98'	MRT TERMINATION INTERLOCK	(ACE)	
(ACE)	19	00AA	829	QHDPDLH	EQU	X'9A'	MULT SNA LINE INTERLOCK	(AQE)	19
(ACE)		00AC	830	QHDSPLK	EQU	X'9C'	SPOOL FILE INTERLOCK	(AQE)	
(ACE)	20	00AE	831	QHDX21	EQU	X'9E'	MCLA X.21	(ACE)	20

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01									
CROSS-REFERENCE									
	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES		
	03	TCBIDACT	C	001	00E4	2708			
	04	TCBIDBEL	C	001	00EE	2718			
16	04	TCBIDBLD	C	001	00F9	2730			
14	04	TCBIDBSC	C	001	00F5	2725			
	05	TCBIDBTS	C	001	00E6	2710			
	06	TCBIDCCP	C	001	00EB	2715			
	07	TCBIDCIC	C	001	00EC	2716			
	08	TCBIDCP	C	001	00F0	2720			
	09	TCBIDGA	C	001	00FE	2734			
	10	TCBIDGCE	C	001	00E8	2712			
	11	TCBIDIBS	C	001	00FD	2732			
	12	TCBIDIMS	C	001	00ED	2717			
	13	TCBIDINT	C	001	00EF	2719			
	14	TCBIDITH	C	001	00E5	2709			
	15	TCBIDJQ	C	001	00F2	2722			
	16	TCBIDMR	C	001	00F4	2724			
	17	TCBIDPER	C	001	00EA	2714			
	18	TCBIDSDP	C	001	00F6	2726	4770		
	19	TCBIDSDS	C	001	00FB	2727	4774		
	20	TCBIDSF5	C	001	00F3	2723			
	01	TCBIDSN	C	001	00E7	2711			
	02	TCBIDSNF	C	001	00E9	2713			
	03	TCBIDSNR	C	001	00F8	2729	4772		
	04	TCBIDSN1	C	001	00F7	2728	4776		
	05	TCBIDSRJ	C	001	00FA	2731			
	06	TCBIDS44	C	001	00FC	2733			
	07	TCBINQPD	C	001	0001	2599			
	08	TCBINQSP	C	001	0020	2792	4660		
	09	TCBINVCT	C	001	005B	2688	2689 4565*		
89	09	TCBIQANT	C	001	0075	2769	2771 4251*		
	10	TCBIWAIT	C	001	0008	2558	2563		
	11	TCBJCBA	C	001	0015	2653	2654 4535* 4549* 4709 4711 4730 4749		
	12	TCBJSTIN	C	001	0004	2547			
	13	TCBKCALL	C	001	0008	2596			
	14	TCBKWAIT	C	001	0001	2577			
	15	TCBLCKDI	C	001	0080	2695			
	16	TCBLCKHI	C	001	0004	2700			
	17	TCBLCKMK	C	001	0069	2694	2704		
	18	TCBLCKPI	C	001	0008	2699			
	19	TCBLCKST	C	001	0040	2696			
	20	TCBLCKSP	C	001	0002	2701			
	01	TCBLCKVI	C	001	0020	2697			
	02	TCBLCK5I	C	001	0010	2698			
	03	TCBLDISK	C	001	005A	2686	2687 2688		
	04	TCBLDREL	C	001	0057	2684	2685 2686		
	05	TCBLEN	C	001	0080	2815	4225 4236 4236 4236* 4943		
	06	TCBLINWT	C	001	0040	2582			
	07	TCBLONGW	C	001	0010	2545			
	08	TCBMA8TM	C	001	0010	2756			
	09	TCBMAXID	C	001	00E0	2735	4489		
	10	TCBMIC	C	001	0057	2685			
	11	TCBMRTMX	C	001	0072	2765	2766		

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GE	120	V09/11/81	12/08/81	21:28		PAGE 121	V09/11/81	12/08/81	21:28	
01										
#SVAT TCB ATTACH TRANSIENT										
	02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT			
	03	08170000	OFF4		5115	ORG	X'OFF4'		08355000	
		08180000	OFF4 FFFF		5116	DC	XL2'FFFF'		08360000	
		08190000	OFF6 C3C9D4D3		5117	DC	CL4'C1ML'		08370000	
		08200000	OFFA		5118	EQU	*		08380000	
		08210000	OFFE		5119	DS	CL5		08390000	
	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES			
	03	SAIDATTN	C	001	00F2	3700				
		SAIDCLER	C	001	00B0	3700				
		SAIDCMI	C	001	0031	3700				

14	0040	871	JCBMREF EQU	X'40'	RUN OXREF AT TERMINATION	14	0000	9
	0020	872	JCBMRTWA EQU	X'20'	FIRST OXYSIN RECORD IS IN TWA		EEEE	9
	0010	873	JCBMFLUC EQU	X'10'	FLUSH UTILITY CONTROL STATEMENTS			
	0008	874	JCBMDEAD EQU	X'08'	PROGRAM IS DEDICATED		0010	9
15	0004	875	JCBMUTCD EQU	X'04'	DMY DATE - WORLD TRADE	15	0012	9
	0002	876	JCBMDOMD EQU	X'02'	MDY DATE - DOMESTIC			
	0001	877	JCBMYMDD EQU	X'01'	YMD DATE - INTERNATIONAL		0014	9
16	0003	879	JCBDSCH2 EQU	JCBDSCH1+1	SCHEDULER BYTE TWO	16	0016	9
	0080	880	JCBMOPCL EQU	X'80'	OPEN OR CLOSE ERROR			
17	0040	881	JCBMPPRTY EQU	X'40'	PRTY COMMAND EXECUTED PRIOR TO START OF JOB	17	0018	9
	882 *							
	0020	883	JCBMPPNEP EQU	X'20'	PROGRAM IS A NEP		0020	9
18	0010	884	JCBMPTCH EQU	X'10'	JOB QUEUE PROGRAM	18	9	9
	0008	885	JCBMICRC EQU	X'08'	INCLUDE STATEMENT RECEIVED		9	9
	0004	886	JCBMOPRD EQU	X'04'	ALLOCATE - DON'T PREPARE THE DISKETTE			
19	0002	887	JCBMINOP EQU	X'02'	INQUIRY LATCH SET	19	0028	9
	0001	888	JCBMINONI EQU	X'01'	NON-INQUIRABLE PROGRAM			
20						20	0029	9

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CROSS-REFERENCE													
	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES		SYMBOL	T	LEN	VALUE	DEFN	R
01	TCBSFILK	C	001	0010	2777			TCB1	C	001	0001	4139	4
03	TCBSHDC	C	001	0080	2741								4
	TCBSTAR	C	001	0059	2687								4
	TCBSMFDN	C	001	0080	2805								4
04	TCBSMFFT	C	001	007C	2801	2808							4
	TCBSNARQ	C	001	0002	2780	4330 4345							4
	TCBSOP	C	001	0008	2546								4
05	TCBSPLRS	C	001	0040	2813								4
	TCBSPLSP	C	001	0010	2793								4
	TCBSP00L	C	001	002F	2677	2678 2679 2680							4
06	TCBSPUNK	C	001	0080	2790								4
	TCBSPWTR	C	001	0080	2812								4
	TCBSQBCT	C	001	0068	2693	2694							4
07	TCBSSTID	C	001	006A	2704	2706							4
	TCBSTAT1	C	001	0000	2540	2552 4438* 4669*							4
	TCBSTAT2	C	001	0001	2552	2565 4657* 4661*							4
08	TCBSTAT3	C	001	0004	2590	2601		TCB2	C	001	0002	4140	4
	TCBSTAT4	C	001	006E	2739	2751 4307* 4791* 4887							4
	TCBSTAT5	C	001	006F	2751	2762							4
09	TCBSTAT6	C	001	0077	2772	2783 4330 4331 4344 4345 4373 4405 4437*							4
	TCBSTAT7	C	001	007E	2810	2815							4
	TCBSUSP	C	001	0002	2560	2563 4657 4661							4
10	TCBSUSPD	C	001	0004	2597								50
	TCBSUSPS	C	001	0079	2788	2797 4656* 4660* 4848		TCB22RCS	C	001	0008	2	15
	TCBSWAIT	C	001	0040	2568	5000		THREE	C	001	0003	0792	
11	TCBSWAPD	C	001	0040	2543	4669		TPP#EOV	C	001	0000	3707	
	TCBSWAPQ	C	001	000F	2648			TQEACT	C	001	0080	2873	
	TCBSYSTEM	C	001	0020	2743	4791		TQEASR	C	001	0002	2878	
12	TCBTAS	C	001	0020	2569	4639		TQEBACE	C	001	0080	2862	
	TCBTERM	C	001	0080	2592			TQEBIN	C	001	0004	2867	48
	TCBTHBIT	C	001	0080	2753			TQECC	C	001	0001	2871	28
13	TCBTQE	C	001	0067	2692	2693 4816*		TQECCOMP	C	001	0040	2874	
	TCBTSKID	C	001	006B	2706	2737 4481* 4486 4496 4501* 4571 4770 4772 4774 4776		TQEDEC	C	001	0008	2866	
	TCBTSSN	C	001	002A	2670	2671 4297* 4298 4298* 4299 4299* 4300 4300* 4476* 4477 4697 4706*		TQEDSP	C	001	0001	2877	
14	TCBTTC	C	001	0051	2681	2682 4306* 4645 4662		TQEFLG1	C	001	0000	2860	28
	TCBTTIME	C	001	0006	2639	2641 4827*		TQEFLNK	C	001	0007	2888	28
	TCBTWA	C	001	0053	2682	2683		TQELN	C	001	0008	2890	48
15	TCBTWACL	C	001	0004	2747			TQEMN	C	001	0003	2879	
	TCBTWAIT	C	001	0004	2559	2563		TQEREAL	C	001	0010	2865	48
	TCBUDMPR	C	001	0080	2784			TQERSVD1	C	001	0020	2864	
16	TCBWFLG	C	001	007A	2797	2801		TQESDLOG	C	001	0004	2880	28
	TCBWAIT	C	001	0080	2542			TQETCB	C	001	0000	2876	
	TCBWAITD	C	001	0080	2554	2563		TQETOD	C	001	0001	2869	
17	TCBWIOSP	C	001	0001	2795	4656 4848		TQETOX	C	001	0005	2885	28
	TCBWVASK	C	001	0002	2565	2579		TQETU	C	001	0002	2868	
	TCBWVSK2	C	001	0003	2579	2590		TQETYPF	C	001	000F	2883	
18	TCBWVSK1	C	001	0004	2779			TQETYPL	C	001	0004	2882	
	TCBWVWA	C	001	0055	2683	2684 4541* 4542 4550*		TQEWAIT	C	001	0040	2863	
	TCBWVWIT	C	001	0010	2570			TRALDAD	C	001	0080	0449	
19	TCBWX	C	001	007D	2808	2810		TRUE	C	001	0010	0800	
	TCBWXNTQ	C	001	0011	2649	2650		TUB\$ACTV	C	001	0080	2991	
20	TCBWXWIT	C	001	0040	2555			TUB\$CMPL	C	001	0040	2992	46

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CROSS-REFERENCE												
	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES		SYMBOL	T	LEN	VALUE	DEFN
03	\$ATERR06	C	001	0006	0264	4469		\$WSBLD1S	C	001	0040	3823
	\$ATERR07	C	001	0007	0265	4540		\$WSBLINK	C	001	0008	3838
	\$ATFLAG	C	001	000C	0219	0234 4212 4423 4524 4717 736 4797						

TS		000E 924 JCBDLSLT EQU JCBDPDT+2	SYSLIST INDICATOR - PRINTER ID	
	14	0000 925 JCBSLOFF EQU X'0000'	X'0000' = OFF	0040
		EEEE 926 JCBSLCRT EQU X'EEEE'	X'EEEE' = CRT	0040
	15	0010 928 JCBDCLRB EQU JCBDLSLT+2	CURRENT LIBRARY F1 POINTER	0040
		0012 929 JCBDLSBL EQU JCBDCLRB+2	LIBRARY FSB CHAIN POINTER	0050
	16	0014 931 JCBDLSBF EQU JCBDLSBL+2	FILE FSB CHAIN POINTER	0052
		0016 933 JCBDLSBP EQU JCBDLSBF+2	USB CHAIN POINTER	0054
OF	17	0018 935 JCBDPSBP EQU JCBDLSBP+2	PSB CHAIN POINTER	0055
	18	0020 937 JCBD1PRC EQU JCBDPSBP+8	NAME OF FIRST LEVEL PROCEDURE	0056
		938 *	(MRT PROCEDURE NAME IF JCBMNMRT IS ON AND	0057
		939 *	THIS JCB IS POINTED TO BY THE 'MRT'S TCB')	005E
	19	0028 941 JCBDPROG EQU JCBD1PRC+8	PROGRAM NAME	
	20	0029 943 JCBDSTAT EQU JCBDPROG+1	STATUS BYTE	

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	01	CROSS-REFERENCE							01				
	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	02	SYMBOL	T	LEN	VALUE	DEFN
	03	TCB1	C	001	0001	4139	4228 4229* 4236 4236 4237 4250 4251 4261 4262 4263 4263 4264 4271 4271 4272 4272 4273 4273 4274 4274 4275 4276 4277 4278 4278 4279 4279 4286 4287 4289 4292 4293 4297 4297 4298 4298	03	TUB\$CNCL	C	001	00C3	3019
	04						4299 4299 4300 4300 4301 4301 4306 4307 4318 4325 4326 4329 4333 4347 4348 4348 4350 4350 4352 4352 4354 4362 4365 4365 4366 4366 4368 4368 4375 4376 4376 4378 4378 4389 4399 4400	04	TUB\$DPST	C	001	0040	3439
	05						4407 4407 4409 4409 4414 4414 4416 4416 4418 4418 4422 4431 4431 4433 4433 4436 4436 4437 4438 4440 4440 4449 4451 4453 4460 4460 4476 4477 4477 4478 4479 4480 4481 4486 4501 4502	05	TUB\$DTC	C	001	0001	3010
	06						4523* 4528 4535 4541 4542 4542 4548 4549 4550 4555* 4556 4557 4563 4565 4566 4567 4568 4571 4644* 4645 4651* 4656 4657 4660 4661 4668* 4669 4670 4670 4671 4676 4688 4691* 4695 4709 4711	06	TUB\$EXEC	C	001	00C0	3016
	07						4716* 4730 4741 4748 4749 4757* 4769 4770 4772 4774 4776 4791 4795 4796 4796 4798 4804 4809 4810 4816 4816 4820 4827 4841 4848 4855 4865* 4878 4898* 4940* 4965 4966 4966 4967 4967	07	TUB\$EXTD	C	001	0020	3440
	08	TCB2	C	001	0002	4140	4968 4968 4970 5067* 4196* 4198 4202* 4205 4207 4324* 4327 4330 4331 4334 4335 4335* 4344 4345 4347 4355 4357 4358 4372* 4373 4375 4397* 4399 4400	08	TUB\$ERR	C	001	0001	2998
	09						4405 4495* 4496 4498 4499 4499* 4502* 4516 4517 4598* 4599 4621* 4622 4686* 4688 4689 4695 4697 4698 4698 4704* 4706 4708 4733* 4735 4785* 4787 4861* 4863 4875* 4877 4881* 4884 4886 4887 4897	09	TUB\$EXEC	C	001	00C0	3016
	10						4920* 4921 4923 4925 4927 4940 4950* 4952 5003* 5053* 5054 5059 5060	10	TUB\$EXTD	C	001	0020	2982
	11	TCB22RCS	C	001	0008	2 15		11	TUB\$NO2	C	001	0040	3004
	12	THREE	C	001	0003	0792		12	TUB\$NO2	C	001	0040	3004
	13	TPP#EDV	C	001	0000	3707		13	TUB\$NO2	C	001	0040	3004
	14	TQEACT	C	001	0080	2873		14	TUB\$NO2	C	001	0040	3004
	15	TQEASR	C	001	0002	2878		15	TUB\$NO2	C	001	0040	3004
	16	TQEACE	C	001	0080	2862		16	TUB\$NO2	C	001	0040	3004
	17	TQEBIN	C	001	0004	2867	4816	17	TUB\$NO2	C	001	0040	3004
	18	TQECC	C	001	0001	2871	2885	18	TUB\$NO2	C	001	0040	3004
	19	TQECOMP	C	001	0040	2874		19	TUB\$NO2	C	001	0040	3004
06*	20	TQEDEC	C	001	0008	2866		20	TUB\$NO2	C	001	0040	3004
	01	TQEDSP	C	001	0001	2877		01	TUB\$NO2	C	001	0040	3004
	02	TQEFLG1	C	001	0000	2860	2871 4816*	02	TUB\$NO2	C	001	0040	3004
	03	TQEFLNK	C	001	0007	2888	2890	03	TUB\$NO2	C	001	0040	3004
	04	TQELEN	C	001	0008	2890	4816*	04	TUB\$NO2	C	001	0040	3004
	05	TQEMN	C	001	0003	2879		05	TUB\$NO2	C	001	0040	3004
	06	TQEREAL	C	001	0010	2865	4816	06	TUB\$NO2	C	001	0040	3004
	07	TQERSVD1	C	001	0020	2864		07	TUB\$NO2	C	001	0040	3004
	08	TQESDLOG	C	001	0004	2880	2882	08	TUB\$NO2	C	001	0040	3004
	09	TQETCB	C	001	0000	2876		09	TUB\$NO2	C	001	0040	3004
	10	TQETOD	C	001	0001	2869		10	TUB\$NO2	C	001	0040	3004
	11	TQETOX	C	001	0005	2885	2888	11	TUB\$NO2	C	001	0040	3004
	12	TQETU	C	001	0002	2868		12	TUB\$NO2	C	001	0040	3004
	13	TQETYPF	C	001	000F	2883		13	TUB\$NO2	C	001	0040	3004
	14	TQETYPL	C	001	0004	2882		14	TUB\$NO2	C	001	0040	3004
	15	TQEWAIT	C	001	0040	2863		15	TUB\$NO2	C	001	0040	3004
	16	TRALOAD	C	001	0080	0449		16	TUB\$NO2	C	001	0040	3004
	17	TRUE	C	001	0010	0800		17	TUB\$NO2	C	001	0040	3004
	18	TUB\$ACTV	C	001	0080	2991		18	TUB\$NO2	C	001	0040	3004
	19	TUB\$CMPL	C	001	0040	2992	4620	19	TUB\$NO2	C	001	0040	3004
	20							20	TUB\$NO2	C	001	0040	3004

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GE	123	V09/11/81	12/08/81	21:28		PAGE 124	V09/11/81	12/08/81	21:28				
	01	CROSS-REFERENCE							01				
	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	02	SYMBOL	T	LEN	VALUE	DEFN
	03	\$USBLDIS	C	001	0040	3823		03	ACSWERR	C	001	0082	017

13	0048	977	JCBDLNPG	EQU	JCBDJBI0+1	LINES/PAGE	
14	004C	979	JCBDFMNO	EQU	JCBDLNPG+4	FORMS NUMBER	
	004D	981	JCBDSLCC	EQU	JCBDFMNO+1	SYSLIST CRT LINE COUNTER	
15	004E	983	JCBDNFTF	EQU	JCBDSLCC+1	NUMBER OF FORMATS FOUND	
16	0050	985	JCBDFINA	EQU	JCBDNFTF+2	ADDRESS OF FORMAT INDEX	
	0052	987	JCBDCIBa	EQU	JCBDFINA+2	ADDRESS OF COMPILER INFORMATION BLOCK	
17	0054	989	JCBDDTfa	EQU	JCBDCIBa+2	ADDRESS OF FIRST DTF ON CHAIN	
18	0055	991	JCBDSLLR	EQU	JCBDDTfa+1	SYSLIST CRT LINES REQUESTED	
	0056	993	JCBDDFRG	EQU	JCBDSLLR+1	REGION SIZE (DEFAULT)	
19	0057	995	JCBDJBRG	EQU	JCBDDFRG+1	REGION SIZE (JOB)	
20	005E	997	JCBDMENF	EQU	JCBDJBRG+7	MENU FORMAT INDEX (NON-RELEASED US JOBS)	

13	0070	1031	JCB...				
14	1033	*****					
	1034	*					
	1035	*					
15	1036	*					
	1037	*****					
16	0001	1039	JCB...				
	0003	1040	JCB...				
	0005	1041	JCB...				
17	0006	1043	JCB...				
	0004	1044	JCB...				
18	0006	1045	JCB...				
	0008	1046	JCB...				
19	000F	1048	JCB...				
	0010	1049	JCB...				
	1050	*** E					

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01	PAGE 161 V09/11/81 12/08/81 21:28					
	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	TUB\$CNCL	C	001	00C3	3019	
	TUB\$DA	C	001	00C0	3014	
	TUB\$DEAD	C	001	0002	3122	
	TUB\$DPST	C	001	0040	3439	
04	TUB\$DTCS	C	001	0001	3010	
	TUB\$ERR	C	001	0001	2998	
	TUB\$EXEC	C	001	00C0	3016	4551 4569 4589 4630
05	TUB\$EXTD	C	001	0020	3440	
	TUB\$IDLE	C	001	00C2	3018	
	TUB\$KBDP	C	001	00C0	3163	
06	TUB\$LOCK	C	001	0040	3387	
	TUB\$MLTR	C	001	00E3	3162	
	TUB\$NGLD	C	001	00E2	3161	
07	TUB\$NIO	C	001	0020	2982	
	TUB\$ND2	C	001	0040	3004	
	TUB\$NRMD	C	001	0005	3125	
08	TUB\$OUPC	C	001	0027	3030	
	TUB\$PNAV	C	001	00E0	3015	
	TUB\$POFF	C	001	0007	3128	
09	TUB\$POLL	C	001	00C1	3017	
	TUB\$PRMA	C	001	00E1	3160	
	TUB\$PUPM	C	001	0080	3438	
10	TUB\$PWI	C	001	00A7	3029	
	TUB\$RACT	C	001	0000	2999	
	TUB\$RDIN	C	001	0042	3034	
11	TUB\$RMD	C	001	0022	3036	
	TUB\$ROSN	C	001	0062	3033	
	TUB\$ROUK	C	001	0006	3127	
12	TUB\$REAL	C	001	0040	2981	
	TUB\$RSTR	C	001	0007	3035	
	TUB\$SAVE	C	001	0002	3031	
13	TUB\$SAVS	C	001	0006	3032	
	TUB\$SKIP	C	001	0080	2980	3510 4575 4601
	TUB\$STANZ	C	001	00E0	3159	
14	TUB\$UERP	C	001	0080	3003	
	TUB\$VH	C	001	0010	3006	
	TUBABTRM	C	001	0001	3281	3662
15	TUBACN	C	001	0040	3220	3629
	TUBAID	C	001	0025	3209	3210
	TUBALRM	C	001	0080	3315	
16	TUBAPRNT	C	001	003E	3295	3296 3676
	TUBASENT	C	001	0020	3317	
	TUBASGNA	C	001	0043	3300	3302
17	TUBASGND	C	001	0004	2996	
	TUBASGNL	C	001	0041	3299	3300
	TUBATTRA	C	001	0054	3385	3396
18	TUBATTRB	C	001	0058	3399	3409
	TUBATTRC	C	001	005B	3411	3422
	TUBATTR1	C	001	0035	3217	3228 3628
19	TUBATTR2	C	001	0036	3228	3250 3637
	TUBATTR3	C	001	0037	3250	3261 3643 4605 4618*
20	TUBATTR4	C	001	0038	3261	3272 3651 4650

01	PAGE 125 V09/11/81 12/08/81 21:28					
	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
	TUBATTR5	C	001	0039	3272	3283 3630
03	TUBATTR6	C	001	003A	3283	3294 3630
	TUBATTR7	C	001	0044	3302	3313
	TUBATTR8	C	001	0045	3313	3324
04	TUBATTR9	C	001	0048	3327	3339
	TUBAUTOB	C	001	0020	3005	
	TUBBADGE	C	001	0080	3329	
05	TUBCHAIN	C	001	0013	3155	3157 3630
	TUBCLER	C	001	0010	3376	
	TUBCLRAD	C	001	0080	3386	
06	TUBCMDRJ	C	001	0010	3307	
	TUBCMDT	C	001	0020	3221	3630
	TUBCMD1	C	001	0001	3352	
07	TUBCMD10	C	001	0020	3356	
	TUBCMD11	C	001	0040	3355	
	TUBCMD12	C	001	0080	3354	
08	TUBCMD13	C	001	0001	3370	
	TUBCMD14	C	001	0002	3369	
	TUBCMD15	C	001	0004	3368	
09	TUBCMD16	C	001	0008	3367	
	TUBCMD17	C	001	0010	3366	
	TUBCMD18	C	001	0020	3365	
10	TUBCMD19	C	001	0040	3364	
	TUBCMD2	C	001	0002	3351	
	TUBCMD20	C	001	0080	3363	
11	TUBCMD21	C	001	0001	3361	
	TUBCMD22	C	001	0002	3360	
	TUBCMD23	C	001	0004	3359	
12	TUBCMD24	C	001	0008	3358	
	TUBCMD3	C	001	0004	3350	
	TUBCMD4	C	001	0008	3349	
13	TUBCMD5	C	001	0010	3348	
	TUBCMD6	C	001	0020	3347	
	TUBCMD7	C	001	0040	3346	
14	TUBCMD8	C	001	0080	3345	
	TUBCMD9	C	001	0010	3357	
	TUBCMD	C	001	0003	3012	3025 3630
15	TUBCMD0	C	001	0004	3027	3038 3530
	TUBCMSK	C	001	0050	3371	3372
	TUBCMSK1	C	001	004E	3344	3353
16	TUBCMSK2	C	001	004F	3353	3362
	TUBCMSK3	C	001	0050	3362	3371
	TUBCOMDN	C	001	0024	3199	3209 3430
17	TUBCOMPL	C	001	0001	2989	3001 3530
	TUBCOUNT	C	001	0009	3040	3042 3130
	TUBCPAID	C	001	0026	3210	3211
18	TUBCTSAV	C	001	003C	3294	3295
	TUBDATAa	C	001	0007	3039	3040
	TUBDEVIC	C	001	0003	3025	
19	TUBDEVIC	C	001	0014	3157	3165
	TUBDEXTa	C	001	0053	3381	3385
20	TUBGTUB	C	001	005A	3409	3411

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01	PAGE 125 V09/11/81 12/08/81 21:28					
	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES

01	PAGE 125 V09/11/81 12/08/81 21:28					
	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES

13	006F 1029 JCBDLCLa EQU JCBUSER*2 LOCAL DATA AREA ADDRESS	1083 *
	0070 1031 JCBLLNTH EQU JCBDBFRa+1 LENGTH OF A JCB	1084 *
		1085 *
		1086 *
14	1033 *****	1087 *
	1034 * *	1088 *
	1035 * JCB EXTENSION *	1089 *
	1036 * *	1090 *
15	1037 *****	1091 *
		1092 *
	0001 1039 JCBSSBa EQU 1 SESSION SPECIFICATION BLOCK POINTER	1093 *
16	0003 1040 JCBDCCBa EQU JCBSSBa+2 CHECK POINT CONTROL BLOCK POINTER	1094 *
	0005 1041 JCBPLST EQU JCBDCCBa+2 PHONE LIST CHAIN POINTER	1095 *
		1096 *
17	0006 1043 JCBDLPI# EQU JCBPLST+1 LPI VALUE	1097 *
	0004 1044 JCBM4LPI EQU X'04' 4 LPI SPECIFIED ON FORMS STATEMENT	1098 *
	0006 1045 JCBM6LPI EQU X'06' 6 LPI SPECIFIED ON FORMS STATEMENT	1099 *
18	0008 1046 JCBM8LPI EQU X'08' 8 LPI SPECIFIED ON FORMS STATEMENT	1100 *
		1101 *
	000F 1048 JCBDESV EQU JCBDLPI#+9 RESERVED AREA	1102 *
19	0010 1049 JCBDELNG EQU JCBDESV+1 LENGTH OF JCB EXTENSION	1103 *
	1050 *** END OF EXPANSION **	1104 *
20		1105 *

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		PAGE 162 V09/11/81 12/08/81 21:28	
01	CROSS-REFERENCE		
02	SYMBOL	T LEN VALUE	DEFN REFERENCES
	TUBATTR5	C 001 0039 3272	3283 3657 4608
03	TUBATTR6	C 001 003A 3283	3294 3665 4619*
	TUBATTR7	C 001 0044 3302	3313
	TUBATTR8	C 001 0045 3313	3324
04	TUBATTR9	C 001 0048 3327	3339
	TUBAUTOB	C 001 0020 3005	
	TUBBADGE	C 001 0080 3329	
05	TUBCHAIN	C 001 0013 3155	3157 3601
	TUBCLER	C 001 0010 3376	
	TUBCLRAD	C 001 0080 3386	
06	TUBCMDRJ	C 001 0010 3307	
	TUBCMDT	C 001 0020 3221	3630
	TUBCMD1	C 001 0001 3352	
07	TUBCMD10	C 001 0020 3356	
	TUBCMD11	C 001 0040 3355	
	TUBCMD12	C 001 0080 3354	
08	TUBCMD13	C 001 0001 3370	
	TUBCMD14	C 001 0002 3369	
	TUBCMD15	C 001 0004 3368	
09	TUBCMD16	C 001 0008 3367	
	TUBCMD17	C 001 0010 3366	
	TUBCMD18	C 001 0020 3365	
10	TUBCMD19	C 001 0040 3364	
	TUBCMD2	C 001 0002 3351	
	TUBCMD20	C 001 0080 3363	
11	TUBCMD21	C 001 0001 3361	
	TUBCMD22	C 001 0002 3360	
	TUBCMD23	C 001 0004 3359	
12	TUBCMD24	C 001 0008 3358	
	TUBCMD3	C 001 0004 3350	
	TUBCMD4	C 001 0008 3349	
13	TUBCMD5	C 001 0010 3348	
	TUBCMD6	C 001 0020 3347	
	TUBCMD7	C 001 0040 3346	
14	TUBCMD8	C 001 0080 3345	
	TUBCMD9	C 001 0010 3357	
	TUBCMD	C 001 0003 3012	3025 3027 3525 4551 4569 4589 4600* 4607 4630
15	TUBCMD0	C 001 0004 3027	3038 3540
	TUBCMSK	C 001 0050 3371	3372
	TUBCMSK1	C 001 004E 3344	3353
16	TUBCMSK2	C 001 004F 3353	3362
	TUBCMSK3	C 001 0050 3362	3371
	TUBCOMDN	C 001 0024 3199	3209 3431
17	TUBCOMPL	C 001 0001 2989	3001 3514 4610* 4620*
	TUBCOUNT	C 001 0009 3040	3042 3148
	TUBCPATD	C 001 0026 3210	3211
18	TUBCTSAV	C 001 003C 3294	3295
	TUBDATAa	C 001 0007 3039	3040
	TUBDEVIC	C 001 0003 3025	
19	TUBDEVID	C 001 0014 3157	3165
	TUBDEXTa	C 001 0053 3381	3385
20	TUBDGTUB	C 001 005A 3409	3411

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		PAGE 126 V09/11/81 12/08/81 21:28	
01	CROSS-REFERENCE		
02	SYMBOL	T LEN VALUE	DEFN REFERENCES

1083 *
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01	CROSS-REFERENCE		
02	SYMBOL	T LEN VALUE	DEFN REFERENCES
	TUBDATTRX	C 001 0057 3397	3399
03	TUBDPRST	C 001 002F 3437	3446
	TUBDRESV	C 001 J027 3211	3212
	TUBECM	C 001 000C 2978	2989
04	TUBERAID	C 001 0018 3179	3180
	TUBERBFG	C 001 0017 3173	3179
	TUBERPRCT	C 001 0016 3167	3173
05	TUBERRCT	C 001 001E 3193	3194
	TUBFCNSL	C 001 0001 3226	3635
	TUBFLAG	C 001 0002 3001	3012
06	TUBFMSK	C 001 0051 3372	3381
	TUBGAIJD	C 001 0010 3404	
	TUBGAIJP	C 001 0040 3455	
07	TUBGCHPR	C 001 0047 3325	
	TUBHELP	C 001 0008 3377	
	TUBHELPM	C 001 0047 3324	3325
08	TUBHPND	C 001 0002 3291	
	TUBHZQ	C 001 0080 3263	
	TUBIARF	C 001 0010 3255	3648
09	TUBIDEL	C 001 0001 3270	
	TUBIIS	C 001 0080 3252	3645
	TUBIMI	C 001 0040 3253	3646
10	TUBINPA	C 001 0002 3247	
	TUBINQ1	C 001 0040 3264	
	TUBINQ2	C 001 0020 3265	
11	TUBIOERR	C 001 0040 3305	
	TUBIIPS	C 001 0020 3254	3647
	TUBIOMP	C 001 0010 3266	4658
12	TUBJCBa	C 001 0032 3214	3215
	TUBKBULK	C 001 0001 3292	
	TUBKDPLY	C 001 0080 3401	
13	TUBKKBD	C 001 0040 3402	
	TUBKPNTN	C 001 0080 3454	
	TUBLEN	C 001 0060 3423	
14	TUBLIOER	C 001 0004 3309	
	TUBLIOFR	C 001 0002 3225	3634
	TUBLIOTIP	C 001 0002 3310	
15	TUBLIOS	C 001 0002 3269	
	TUBLOP	C 001 0020 3276	3659
	TUBLTOFF	C 001 0040 3316	
16	TUBMBCF	C 001 0010 3288	
	TUBMCM	C 001 0020 3240	
	TUBMCM	C 001 0080 3219	
17	TUBMCMNSL	C 001 0040 3238	
	TUBMCMOUT	C 001 0004 3393	
	TUBMCMOUT	C 001 0010 3241	3640
18	TUBMODTA	C 001 0010 3318	
	TUBMODME	C 001 0070 3242	
	TUBMODMUA	C 001 0008 3245	
19	TUBMODMUA	C 001 0020 3331	
	TUBMHELP	C 001 0004 3419	
20	TUBMHHOLD	C 001 0010 3389	

12	1081 *	0310	ALTERNATE SECTOR ACE	0010	16	NUMERACE *
	1082 *	0310	ALTERNATE SECTOR ACE	0010	16	NUMERACE *
	1083 *					
13	1084 *	0320	STATISTICAL LOGOUT ACE	0010	16	NUMLGACE *
	1085 *					
	1086 *	0330	INTERVAL TIMER ACE	0010	16	NUMITACE *
	1087 *					
14	1088 *	0340	MSP ERROR ACE	0010	16	NUMMACE *
	1089 *					
15	1090 *	0350	SWAP ACE	0010	16	NUMSWACE *
	1091 *					
	1092 *	0360	MS TRANSIENT LOADER ACE	0010	16	NUMTXACE *
	1093 *					
16	1094 *	0370	DISKETTE ERROR ACE	0010	16	NUMTEACE *
	1095 *					
17	1096 *	0380	ERROR TASK-TASK ACE	0010	16	NUMCSETC *
	1097 *					
	1098 *	0390	DISPATCHER TQE	0008	8	NUMDSTQE *
	1099 *					
18	1100 *	0398	MIDNIGHT TQE	0008	8	NUMMNTQE *
	1101 *					
19	1102 *	03A0	STATISTICAL LOGGING TQE	0008	8	NUMDLTQE *
	1103 *					
	1104 *	03A8	SQS FAILURE TQE	0008	8	NUMATQE *
	1105 *					

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CROSS-REFERENCE						
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
TUBDMATX	C	001	0057	3397	3399	
TUBDPRST	C	001	002F	3437	3446	
TUBDRESV	C	001	J027	3211	3212	
TUBECM	C	001	0000	2978	2989 3508 4601*	
TUBERAID	C	001	0018	3179	3180 4655*	
TUBERBFG	C	001	0017	3173	3179	
TUBERPCT	C	001	0016	3167	3173 4652 4654*	
TUBERRCT	C	001	001E	3193	3194	
TUBFCNSL	C	001	0001	3226	3635	
TUBFLAG	C	001	0002	3001	3012 3520	
TUBFMSK	C	001	0051	3372	3381	
TUBGAIJD	C	001	0010	3404		
TUBGAIJP	C	001	0040	3455		
TUBGCHAR	C	001	0047	3325		
TUBHELP	C	001	0008	3377		
TUBHELPM	C	001	0047	3324	3325 3327	
TUBHPND	C	001	0002	3291		
TUBHZQ	C	001	0080	3263		
TUBIARF	C	001	0010	3255	3648	
TUBIDEL	C	001	0001	3270		
TUBIIS	C	001	0080	3252	3645	
TUBIMI	C	001	0040	3253	3646 4618	
TUBINPA	C	001	0002	3247		
TUBINQ1	C	001	0040	3264		
TUBINQ2	C	001	0020	3265		
TUBIOERR	C	001	0040	3305		
TUBIPS	C	001	0020	3254	3647 4605	
TUBIQMP	C	001	0010	3266	4658	
TUBJCBa	C	001	0032	3214	3215 3625 4549	
TUBKBULK	C	001	0001	3292		
TUBKDPLY	C	001	0080	3401		
TUBKKBD	C	001	0040	3402		
TUBKPNTR	C	001	0080	3454		
TUBLEN	C	001	0060	3423		
TUBLIOER	C	001	0004	3309		
TUBLIOFR	C	001	0002	3225	3634	
TUBLIOP	C	001	0002	3310		
TUBLIOS	C	001	0002	3269		
TUBLOP	C	001	0020	3276	3659	
TUBLTOFF	C	001	0040	3316		
TUBMBDCF	C	001	0010	3288		
TUBMCHD	C	001	0020	3240		
TUBMCN	C	001	0080	3219		
TUBMCNSL	C	001	0040	3238		
TUBMCOUT	C	001	0004	3393		
TUBMDATA	C	001	0010	3241	3640	
TUBMDOTA	C	001	0010	3318		
TUBMDME	C	001	0070	3242		
TUBMNUA	C	001	0008	3245		
TUBMNU2	C	001	0020	3331		
TUBMHLP	C	001	0004	3419		
TUBMHOLD	C	001	0010	3389		

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CROSS-REFERENCE						
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	
TUBMIC	C	001	001A	3180	3181	
TUBMINIT	C	001	0030	3243		
TUBMIQDS	C	001	0020	3306		
TUBMKANJ	C	001	0020	3403		
TUBMLOCL	C	001	0040	3023		
TUBMDOFF	C	001	0020	3388		
TUBMDOTA	C	001	0008	3289	3640	
TUBMRTSC	C	001	0010	3332		
TUBMSGa	C	001	0001	3248		
TUBMSGCT	C	001	003F	3296	3297	
TUBMSGID	C	001	0055	3396	3397	
TUBMSGRT	C	001	0080	3297		
TUBMSGR2	C	001	0040	3293		
TUBMSTDY	C	001	0080	3237	3640	
TUBMSUB	C	001	00C0	3024		
TUBMSTN	C	001	0040	3239		
TUBMSUB	C	001	0002	3394		
TUBONL	C	001	0008	3007		
TUBOPSTS	C	001	0030	3213	3214	
TUBOPTS	C	001	0018	3182	3199	
TUBORN	C	001	0040	3275		
TUBORY	C	001	0080	3274		
TUBPATR1	C	001	0034	3453	3460	
TUBPCFGa	C	001	0022	3196	3197	
TUBPCRLN	C	001	0020	3435	3436	
TUBPELEN	C	001	0040	3466		
TUBPERES	C	001	003F	3465	3466	
TUBPEXTa	C	001	0026	3431	3432	
TUBPFMLN	C	001	002C	3434	3435	
TUBPFMND	C	001	002B	3433	3434	
TUBPGTUB	C	001	0033	3451	3452	
TUBPLEN	C	001	0030	3446	3453	
TUBPLPI	C	001	0035	3462	3463	
TUBPMKPP	C	001	002E	3436	3437	
TUBPRESV	C	001	0027	3432	3433	
TUBPRT	C	001	0080	3373		
TUBPSUBC	C	001	0031	3450	3451	
TUBQHDR	C	001	0015	3165	3166	
TUBRAMER	C	001	0001	3421		
TUBRCBK	C	001	0004	3378		
TUBRCNCL	C	001	0083	3022		
TUBRDMOD	C	001	0001	3395		
TUBRDYIP	C	001	0001	3311		
TUBRDYPD	C	001	0001	3336		
TUBREADY	C	001	0008	3308		
TUBREL	C	001	0004	3279	3660	
TUBREXEC	C	001	0080	3020	4600	
TUBRFCS	C	001	004C	3341	3342	
TUBRFDSP	C	001	0040	3342	3343	
TUBRFN	C	001	004B	3340	3341	
TUBRFSS	C	001	004A	3339	3340	
TUBRTISU	C	001	0004	3008		

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
TUBMIC	C	001	001A	3180 3182
TUBMINIT	C	001	0030	3243
TUBMIQDS	C	001	0020	3306
TUBMKANJ	C	001	0020	3403
TUBMLOCL	C	001	0040	3C23
TUBMOFF	C	001	0020	3388
TUBMROTA	C	001	0008	3289 3671 4619
TUBMRTSC	C	001	0010	3332
TUBMSGGA	C	001	0001	3248
TUBMSGCT	C	001	003F	3296 3299
TUBMSGID	C	001	0055	3396 3397
TUBMSGRT	C	001	0080	3297
TUBMSGR2	C	001	0040	3293
TUBMSTDY	C	001	0080	3237 3639
TUBMSUB	C	001	00C0	3024
TUBMSTN	C	001	0040	3239
TUBNOSUB	C	001	0002	3394
TUBONL	C	001	0008	3007
TUBOPSTS	C	001	0030	3213 3214 3624
TUBOPTS	C	001	001B	3182 3192
TUBORN	C	001	0040	3275
TUBORY	C	001	0080	3274
TUBPATR1	C	001	0034	3453 3462
TUBPCFGa	C	001	0022	3196 3197
TUBPCRLN	C	001	002D	3435 3436
TUBPELEN	C	001	0040	3466
TUBPERES	C	001	003F	3465 3466
TUBPEXTa	C	001	0026	3431 3432
TUBPFMLN	C	001	002C	3434 3435
TUBPFMNO	C	001	002B	3433 3434
TUBPGTUB	C	001	0033	3451 3453
TUBPLEN	C	001	0030	3446 3450
TUBPLPI	C	001	0035	3462 3465
TUBPYWPP	C	001	002E	3436 3437
TUBPRESV	C	001	0027	3432 3433
TUBPRT	C	001	0080	3373
TUBPSUBC	C	001	0031	3450 3451
TUBQHDR	C	001	0015	3165 3167
TUBRAMER	C	001	0001	3421
TUBRCBK	C	001	0004	3378
TUBRCNCL	C	001	0083	3022
TUBRDMOD	C	001	0001	3395
TUBRDYIP	C	001	0001	3311
TUBRDYPD	C	001	0001	3336
TUBREADY	C	001	0008	3308
TUBREL	C	001	0004	3279 3660
TUBREXEC	C	001	0080	3020 4607
TUBRFCSS	C	001	004C	3341 3342
TUBRFDSP	C	001	004D	3342 3344
TUBRFN	C	001	004B	3340 3341
TUBRFSS	C	001	004A	3339 3340
TUBRITSU	C	001	0004	3008

SYMBOL	T	LEN	VALUE	DEFN
TUBRINCM	C	001	0002	3009
TUBRJFOV	C	001	0008	3405
TUBRLDN	C	001	0020	3375
TUBRLUP	C	001	0040	3374
TUBRPOLL	C	001	0081	3021
TUBRSF	C	001	0008	3278
TUBRST1	C	001	0008	3267
TUBRST2	C	001	0004	3268
TUBRSVD	C	001	005F	3422
TUBRSW	C	001	0010	3277
TUBSENSE	C	001	000F	3148
TUBSENS0	C	001	000A	3042
TUBSENS1	C	001	0008	3057
TUBSENS2	C	001	000C	3069
TUBSENS3	C	001	000D	3087
TUBSENS4	C	001	000E	3089
TUBSENS5	C	001	000F	3146
TUBSGN	C	001	0010	3222
TUBSTARF	C	001	0001	3259
TUBSIS	C	001	0008	3256
TUBSIMI	C	001	0004	3257
TUBSIOCT	C	001	001D	3192
TUBSIPS	C	001	0002	3258
TUBSRILK	C	001	0004	3290
TUBSRQ	C	001	0002	3280
TUBSRQPD	C	001	0080	3304
TUBSTATA	C	001	0004	3246
TUBSUBCN	C	001	0008	3392
TUBSVER1	C	001	0004	3334
TUBSVER2	C	001	0002	3335
TUBSVRD	C	001	0008	3333
TUBSYLST	C	001	0020	3287
TUBTCB	C	001	002A	3197
TUBTCBa	C	001	0011	3149
TUBTSRQ	C	001	0008	3223
TUBTUB	C	001	0034	3215
TUBUNITa	C	001	0005	3038
TUBUSER	C	001	002F	3212
TUBUSSV	C	001	0040	3286
TUBUSUP	C	001	0080	3285
TUBWSID	C	001	0020	3194
TUBWSIA	C	001	0022	3195
TUBOILGJ	C	001	0080	3413
TUBORMFL	C	001	0020	3415
TUBOUNGJ	C	001	0040	3414
TUB1	C	001	0001	4157
TUB1OPT	C	001	0002	3420
TUB2	C	001	0002	4158

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11	02A3 1157 NUBTWAQ EQU 5 (LENGTH OF AREA)	11	0000
	0005 1158 NULTWAQ EQU 5 (LENGTH OF AREA)		0700
	1159 *		
12	02A8 1160 NUBRDI0B EQU NUBTWAQ+NULTWAQ SYSTEM DISKETTE IOB/LOGOUT AREA	12	0310
	0038 1161 NULRDI0B EQU 56 * (LENGTH OF AREA)		
	1162 *		
13	02E0 1163 NUB#LBF1 EQU NUBRDI0B+NULRDI0B #LIBRARY RESIDENT FORMAT-1	13	1000
	0020 1164 NUL#LBF1 EQU 32 * (LENGTH OF AREA)		
	1165 *		
14	0300 1166 NUBTRACE EQU NUB#LBF1+NUL#LBF1 TRACE LOGOUT ACE	14	1000
	0010 1167 NULACE EQU 16 * (LENGTH OF AN ACE)		1000
	1168 *		
15	0310 1169 NUBERACE EQU NUBTRACE+NULACE ALTERNATE SECTOR ACE	15	2000
	1170 *		
	0320 1171 NUBLGACE EQU NUBERACE+NULACE STATISTICAL LOGGING ACE		
	1172 *		
16	0330 1173 NUBTIACE EQU NUBLGACE+NULACE INTERVAL TIMER ACE	16	
	1174 *		
17	0340 1175 NUBMACE EQU NUBTIACE+NULACE MSP PROC CHECK ERROR HANDLER ACE	17	
	1176 *		
	0350 1177 NUBSWACE EQU NUBMACE+NULACE ACE FOR SWAP IOB		
	1178 *		
18	0360 1179 NUBMXACE EQU NUBSWACE+NULACE ACE FOR MS XIENT SCHEDULER	18	
	1180 *		
19	0370 1181 NUBTEACE EQU NUBMXACE+NULACE ACE FOR DISKETTE ERP	19	
	1182 *		
	0380 1183 NUBCSETC EQU NUBTEACE+NULACE CS TASK-TASK ERROR ACE		
	1184 *		

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01	CROSS-REFERENCE										01	
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	02	SYMBOL	T	LEN	VALUE	DEFN
03	TUBRINCM	C	001	0002	3009		03	TUB2IG	C	001	0008	3417
	TUBRJFOV	C	001	0008	3405			TUB2RF	C	001	0010	3416
	TUBRLDN	C	001	0020	3375			TUB2UG	C	001	0018	3418
	TUBRLUP	C	001	0040	3374			TUB960	C	001	0040	3330
04	TUBRPOLL	C	001	0081	3021		04	TUWPCEND	C	001	0014	3740
	TUBRSF	C	001	0008	3278	4608		TUWPCNSL	C	001	000F	3745
	TUBRST1	C	001	0008	3267			TUWPCOMM	C	001	002E	3725
05	TUBRST2	C	001	0004	3268		05	TUWPCSMQ	C	001	003C	3750
	TUBRSVD	C	001	005F	3422	3423		TUWPCURI	C	001	000E	3743
	TUBRSW	C	001	0010	3277			TUWPERPS	C	001	0033	3748
06	TUBSENSE	C	001	000F	3148	3149	06	TUWPLNG	C	001	0017	3721
	TUBSENS0	C	001	000A	3042	3057		TUWPLCL	C	001	0009	3716
	TUBSENS1	C	001	000B	3057	3069		TUWPLGIO	C	001	0022	3722
07	TUBSENS2	C	001	000C	3069	3087	07	TUWPLGCR	C	001	0030	3727
	TUBSENS3	C	001	000D	3087	3089		TUWPLGSR	C	001	002F	3726
	TUBSENS4	C	001	000E	3089	3146		TUWPMDSA	C	001	000B	3718
08	TUBSENS5	C	001	000F	3146		08	TUWPMQ01	C	001	0008	3741
	TUBSGN	C	001	0010	3222	3631		TUWPMUSE	C	001	0000	3737
	TUBSTARF	C	001	0001	3259			TUWPMOCLC	C	001	0037	3730
09	TUBS1IS	C	001	0008	3256		09	TUWPMPSBC	C	001	0006	3713
	TUBS1MI	C	001	0004	3257	4618		TUWPMPSDE	C	001	0007	3714
	TUBS1OCT	C	001	001D	3192	3193		TUWPMPSFO	C	001	0008	3715
10	TUBS1PS	C	001	0002	3258		10	TUWPMPS12	C	001	0001	3708
	TUBS1RLK	C	001	0004	3290	3670		TUWPMPS34	C	001	0002	3709
	TUBSRQ	C	001	0002	3280	3661		TUWPMPS56	C	001	0003	3710
11	TUBSRQPD	C	001	0080	3304		11	TUWPMPS78	C	001	0004	3711
	TUBSTATA	C	001	0004	3246			TUWPMPS9A	C	001	0005	3712
	TUBSTPJ	C	001	0004	3224	3633		TUWPMRPMG	C	001	0039	3732
12	TUBSUBCN	C	001	0008	3392		12	TUWPMSAVE	C	001	000C	3719
	TUBSVR1	C	001	0004	3334			TUWPMSCSV	C	001	000F	3744
	TUBSVR2	C	001	0002	3335			TUWPMSC01	C	001	0001	3738
13	TUBSVRD	C	001	0008	3333		13	TUWPMSTNS	C	001	000A	3717
	TUBSYLST	C	001	0020	3287	3669		TUWPMSTAT	C	001	0027	3747
	TUBTCB	C	001	0024	3197	3199 3619 4548* 4554* 4555 4558 4588 4651 4668		TUWPMTKMQ	C	001	0031	3728
14	TUBTCBA	C	001	0011	3149	3155	14	TUWPMUSER	C	001	000C	3720
	TUBTSRQ	C	001	0008	3223	3632		TUWPMUSSA	C	001	001B	3746
	TUBTUB	C	001	0034	3215	3217		TUWPMUSS5	C	001	002D	3724
15	TUBUNITA	C	001	0005	3038	3039	15	TUWPMXLAT	C	001	0038	3731
	TUBUSER	C	001	002F	3212	3213 3623		TUWPMAGET	C	001	0000	3698
	TUBUSSV	C	001	0040	3286	3668		TUWPMLOAD	C	001	0080	0451
16	TUBUSUP	C	001	0080	3285	3667	16	TUWPMAPUT	C	001	0001	3697
	TUBUSID	C	001	0020	3194	3195 3616		TUWPMAREAL	C	001	0040	3702
	TUBUSWA	C	001	0022	3195	3196 3617 4550		TUWPMASYS	C	001	0002	3699
17	TUBOILGJ	C	001	0080	3413		17	TUWPMATWA	C	001	0000	3701
	TUBORMFL	C	001	0020	3415			TUWPMUSWA	C	001	0004	3700
	TUBOUNGJ	C	001	0040	3414			TUWPMXLATE	C	001	0000	3703
18	TUB1	C	001	0001	4157		18	TUWPMXLEN	C	001	0008	3760
	TUB1OPT	C	001	0002	3420			TUWPMXMAP	C	001	0002	3755
19	TUB2	C	001	0002	4158	4547* 4548 4549 4550 4551 4552 4554 4555 4558 4568 4569	19	TUWPMXN	C	001	0007	3759
						4571 4572 4574 4575 4576 4588 4589 4599* 4600 4601 4603 4605		TUWPMXNEXT	C	001	0004	3757
						4607 4608 4610 4618 4619 4620 4629* 4630 4651 4652 4654 4655		TUWPMXSS	C	001	0006	3758
						4658 4668						

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CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	TUB2IG	C	001	0008	3417	
03	TUB2RF	C	001	0010	3416	
03	TUB2UG	C	001	0018	3418	
04	TUB960	C	001	0040	3330	
04	TWAMCEND	C	001	0014	3740	
04	TWAMCNCL	C	001	000F	3745	
04	TWAMCMM	C	001	002E	3725	
05	TWAMCSMQ	C	001	003C	3750	
05	TWAMCURT	C	001	000E	3743	
06	TWAMERPS	C	001	0033	3748	
06	TWAMINQ	C	001	0017	3721	
06	TWAMLCL	C	001	0009	3716	
07	TWAMLGI0	C	001	0022	3722	
07	TWAMLOGC	C	001	0030	3727	
07	TWAMLOGR	C	001	002F	3726	
08	TWAMDSA	C	001	0008	3718	
08	TWAMQ01	C	001	0008	3741	
08	TWAMNUSE	C	001	0000	3737	
09	TWAMOCLC	C	001	0037	3730	
09	TWAMPSBC	C	001	0006	3713	
09	TWAMPSDE	C	001	0007	3714	
10	TWAMPSFO	C	001	0008	3715	
10	TWAMPS12	C	001	0001	3708	
10	TWAMPS34	C	001	0002	3709	
11	TWAMPS56	C	001	0003	3710	
11	TWAMPS78	C	001	0004	3711	
11	TWAMPS9A	C	001	0005	3712	
12	TWAMPRMG	C	001	0039	3732	
12	TWAMSAVE	C	001	000C	3719	
12	TWAMSCSV	C	001	000F	3744	
13	TWAMSCO1	C	001	0001	3738	
13	TWAMSTNS	C	001	000A	3717	4727
13	TWAMSTAT	C	001	0027	3747	
14	TWAMTKMQ	C	001	0031	3728	
14	TWAMUSER	C	001	000C	3720	
14	TWAMVSSA	C	001	001B	3746	
15	TWAMVSSS	C	001	002D	3724	
15	TWAMXLAT	C	001	0038	3731	
15	TWAMGET	C	001	0000	3698	
16	TWALOAD	C	001	0080	0451	
16	TWAPUT	C	001	0001	3697	
16	TWAREAL	C	001	0040	3702	
17	TWASYS	C	001	0002	3699	
17	TWATWA	C	001	0000	3701	
17	TWAWSWA	C	001	0004	3700	
18	TWAXLATE	C	001	0000	3703	
18	TWAXLEN	C	001	0008	3760	
18	TWAXMAP	C	001	0002	3755	3757 4983 4983 5022 5022
19	TWAXMAPL	C	001	0003	3756	
19	TWAXN	C	001	0007	3759	3760 4983 4983 5022 5022
19	TWAXNEXT	C	001	0004	3757	3758
20	TWAXSS	C	001	0006	3758	3759

CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	DSPEXAM	C	001	0001	0411	
03	DSPFCUR	C	001	0008	0408	
03	DSPHOLD	C	001	0002	0410	
04	DSPRGRST	C	001	0040	0405	
04	DTF	C	001	0002	0782	
04	DIACCNTL	C	001	0075	0643	0662
05	DIACETAR	C	001	0064	0598	0599
05	DIACEIOR	C	001	0068	0603	0604

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				
03				
04				
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09				
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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN
01				
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04				
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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				
03				
04				

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN
01				
02				
03				
04				

14		14	0000
15		15	000E
16		16	000F 0080 0080
17		17	0020 0010 0040
18		18	
19		19	
20		20	0081

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CROSS-REFERENCE				
02	SYMBOL	T LEN	VALUE	DEFN REFERENCES
03	WDPRUF	C 001	0001	3937
	WDPTG	C 001	0003	3944
	WDPTH	C 001	0020	3929
04	WDPTI	C 001	0007	3948
	WDPUT	C 001	0002	3943 3944 3947 3948 3957 3958 3960
	WDPRAC	C 001	0001	3899
05	WDPRACR	C 001	0011	3903
	WDPRAFN	C 001	0038	3910
	WDPRAFS	C 001	0032	3908
06	WDPRAFW	C 001	0018	3905
	WDPRAGO	C 001	0008	3902
	WDPRCDG	C 001	0041	3979
	WDPRCDI	C 001	0045	3978
07	WDPRCL	C 001	0020	4017
	WDPRDM	C 001	0004	3935
	WDPRDN	C 001	0040	4016
08	WDPRDS	C 001	000E	3955
	WDPRDSN	C 001	0008	3932
09	WDRECA	C 001	0007	3996 3997
	WDREL	C 001	000A	3952
	WDRES	C 001	0020	3961 3962 3963
10	WDRTG	C 001	0051	3917
	WDRTGRF	C 001	0050	3916
	WDRTGU	C 001	0052	3918
11	WDRTRJ	C 001	0034	3909
	WDRTKBD	C 001	0014	3904
	WDRTNAV	C 001	0024	3906
12	WDRTFL	C 001	0040	3911
	WDRTK	C 001	0000	3898
	WDRTL	C 001	0020	3928
13	WDRTPAL	C 001	0048	3915
	WDRTPE	C 001	0080	3920
	WDRTPEP	C 001	0084	3921
14	WDRTPUN	C 001	0046	3914
	WDRTREL	C 001	0028	3907
	WDRTSJC	C 001	0056	3919
15	WDRTSPF	C 001	0044	3912
	WDRTSTD	C 001	0006	3901
	WDRTSTP	C 001	0002	3900
16	WDRTSTR	C 001	0002	3936
	WDRTTC	C 001	0001	3896 3923
	WDRTTG	C 001	0021	3962
17	WDRTTI	C 001	0025	3963
	WDRTUP	C 001	0080	4015
	WDRTUPD	C 001	000E	4013 4019
18	WDRTSACQ	C 001	0099	3951
	WDRTSAVE	C 001	0004	3934
	WDRTSLNE	C 001	0010	4020 4021
19	WDRTSPG	C 001	0013	3958
	WDRTSP1	C 001	0017	3960
	WDRTSPN	C 001	0016	3959
20	WDRTSRCM	C 001	0009	4010

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CROSS-REFERENCE				
02	SYMBOL	T LEN	VALUE	DEFN REFERENCES
03	D1SETSW	C 001	006B	0611 0619
	D1SMFA	C 001	000E	0330 0338
	D1STKA	C 001	0011	0372 0373
	D1STKPTR	C 001	001C	0387 0390

02	SYMBOL	T LEN	VALUE	DEFN
03	WDSRCN	C 001	0008	4009
	WDSRCT	C 001	0000	4004
	WDSRCW	C 001	000A	4011
04	WDSRO1	C 001	0001	4006
	WDSRO2	C 001	0002	4007
	WDSRO3	C 001	0003	4008
05	WDSTI	C 001	0010	3956
	WDSTMR	C 001	0008	3992
	WDSTP	C 001	0012	3957
06	WDSYS	C 001	0080	3925
	WDTUB	C 001	0009	3997
	WDUNF	C 001	0010	3930
07	WDVSLN	C 001	0012	4022
	WDWTER	C 001	0006	3933
	WD960	C 001	0008	3998
08	WDSQFAIL	C 001	0010	0506
	XAREAREF	C 001	0020	0406
	XEADOFF	C 001	0040	4039
09	XEBOFF	C 001	0020	4040
	XEXAMID	C 001	0080	4038
10	XFERCTL	C 001	0010	4041
	XFEREADN	C 001	0004	4046
	XFEREBOW	C 001	0002	4047
	XFEREADN	C 001	0008	4045
	XFERAPON	C 001	0001	4048
11	XFLENBYT	C 001	0110	4122
	XFLENMRD	C 001	0088	4123
12	XNTAREAE	C 001	000F	4044
	XNTAREAS	C 001	0008	4043
	XNTPRIV	C 001	0020	4042
13	XR1	C 001	0001	0776
	XR2	C 001	0002	0777
14	X01	C 001	0014	0122
	X02	C 001	0024	0121
	X04	C 001	0044	0120
15	X08	C 001	0084	0119
	X10	C 001	0010	0118
	X20	C 001	0020	0117
16	X40	C 001	0040	0116
	X80	C 001	0080	0115
	ZERO	C 001	0000	0789
17	ZONEBITS	C 001	00F0	0807
18	TOTAL STATEMENTS FLAGGED IN THE STATEMENTS FLAGGED AS WARNING			

Line	Code	Symbol	T	Len	Value	Defn	References
14	1297 *						OF BAD 2K BLOCKS)
	1298 *						
	0000	1299 SCAMS	C	0000	2K EQU	SCAM*2KMS+1	1 2K BLOCKS OF USER STORAGE
	1300 *						
15	000E	1301 SCAMXRG	C	000E	EQU	SCAMS*2K+1	1 SWAPPABLE TASK REGION SIZE
	1302 *						
	000F	1303 SCASDISK	C	000F	EQU	SCAMXRG+1	1 DISK CONFIGURATION
16	0080	1304 SCADUAL	C	0080	EQU	X'80'	. MULTIPLE SPINDLE DISK IR7I
	0080	1305 SCA2SPIN	C	0080	EQU	X'80'	. 2 SPINDLE DISK IR7I
	0020	1306 SCA3SPIN	C	0020	EQU	X'20'	. 3 SPINDLE DISK IR7I
17	0010	1307 SCA4SPIN	C	0010	EQU	X'10'	. 4 SPINDLE DISK IR7I
	0040	1308 SCADKCFG	C	0040	EQU	X'40'	. DISK CONFIG FLAG IR3I
18	1309 *						0 - SMALL CAPACITY DISK
	1310 *						1 - LARGE CAPACITY DISK
	1311	*****					
19	1312 *	* THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL *					
	1313 *	* CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK. *					
	1314	*****					
20	0081	1315 SCAMDSKS	C	0081	EQU	X'81'	. DISK STATUS BITS

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Line	Code	Symbol	T	Len	Value	Defn	References
01		CROSS-REFERENCE					
02		WDSRCH	C	001	0008	4009	
		WDSRCT	C	001	0000	4004	
03		WDSRCW	C	001	000A	4011	
		WDSRO1	C	001	0001	4006	
04		WDSRO2	C	001	0002	4007	
		WDSRO3	C	001	0003	4008	
		WDSTI	C	001	0010	3956	3957 3958 3959 3960
05		WDSTMR	C	001	0008	3992	
		WDSTP	C	001	0012	3957	
		WDSYS	C	001	0080	3925	
06		WDTUB	C	001	0009	3997	3998 4554*
		WDUNF	C	001	0010	3930	
		WDVSLN	C	001	0012	4022	4023
07		WDWTER	C	001	0006	3933	
		WD960	C	001	0008	3998	3999
		WSQSFAIL	C	001	0010	0506	
08		XAREAREF	C	001	0020	0406	
		XEAOFF	C	001	0040	4039	
		XEBOFF	C	001	0020	4040	
09		XEXAMID	C	001	0080	4038	
		XFERCTL	C	001	0010	4041	4518
		XFEREADN	C	001	0004	4046	
10		XFEREBON	C	001	0002	4047	
		XFERIADN	C	001	0008	4045	
		XFERLADN	C	001	0001	4048	
11		XFLENBYT	C	001	0110	4122	
		XFLENWRD	C	001	0088	4123	
		XNTAREAE	C	001	000F	4044	
12		XNTAREAS	C	001	0008	4043	
		XNTPRIV	C	001	0020	4042	
		XR1	C	001	0001	0776	4592* 4645* 4662* 4946* 4947 4948*
13		XR2	C	001	0002	0777	4558* 4622* 4817* 4818 4819 4819* 4820 4826 4828* 4850* 4868* 4873 4900* 4953*
14		XO1	C	001	0014	0122	0135 0204 0212
		XO2	C	001	0024	0121	0134 0142 0190 0203 0211
		XO4	C	001	0044	0120	0133 0141 0160 0168 0189 0202 0210
		XO8	C	001	0084	0119	0132 0159 0167 0188 0201
15		X10	C	001	0010	0118	0131 0166 0187 0200
		X20	C	001	0020	0117	0130 0138 0165 0207
		X40	C	001	0040	0116	0129 0137 0156 0164 0177 0206
16		X80	C	001	0080	0115	0128 0136 0163 0176
		ZERO	C	001	0000	0789	4449
		ZONEBITS	C	001	00F0	0807	
17		TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY = 0					
		STATEMENTS FLAGGED AS WARNINGS = 0					

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Line	Code	Symbol	T	Len	Value	Defn	References
01		CROSS-REFERENCE					
02		ERBAOPO	C	001	0008	0763	
03		ERBAOP1	C	001	0004	0764	
		ERBAOP2	C	001	0002	0765	

Line	Module Name	Flag	Ref
01	CHANGE		
02	#SVAT	aaB80	
		aaG13	9
		aa001	
03			67
			47
04		aa022	39
		aa023	
			46
05		aa041	
		aa052	
		aa093	
06			42
			43
			43
07			43
			47
		aa145	
08		aa184	33
		aa185	
			49
09		aa224	4
		aa255	3
		aa290	
10			43
			44
11			44
			44
12			44
			46
			46
13			47
			49
		aa298	6
14		aa344	44
		aa354	6
		aa419	91
15			92
			93
16		END OF THE CHANGE ACTIVITY	
17		CHANGE F	
18	aaB80	S313506 S51 SV	03
	aaG13	S317310 S51 SU	05
	aa001	P10201 S5	02

14	1352 *	IF NOT IPL, INPUT JOB QUEUE	1406 * RELAT
	0001 1354 SCAMSPB EQU X'01'	HAS BEEN POSTED	1407 *
15	1353 *	X'01' - ALLOCATE FILE ON 'B'	001A 1408 SCASSTUA
	0013 1356 SCADCFG2 EQU SCADCFG1+1	1 SSP CONFIGURATION OPTIONS	001C 1409 SCATUWS2
	0080 1357 SCAMCNAT EQU X'80'	COMMAND LANGUAGE	1410 *
16	0040 1358 SCAMPUSF EQU X'40'	PASSWORD SECURITY	001E 1411 SCAFVTOC
	0020 1359 SCAMPJOBQ EQU X'20'	JOB QUEUE	0020 1412 SCAFVTON
	0010 1360 SCAMPSPOL EQU X'10'	SPOOL	1413 *
17	0008 1361 SCAMPDMX EQU X'08'	DISPLAY STATION DM TRANSIENT	0022 1414 SCATVTOC
	0004 1362 SCAMPDMR EQU X'04'	DISPLAY STATION DM RESIDENT	0023 1415 SCATVTON
	1363 *	NOTE: IF 'DMX DMR' BOTH =1	1416 *
18	1364 *	THEN RESIDENT/TRANSIENT	0025 1417 SCASIOSS
	1365 *	VERSION OF DSM SELECTED.	0027 1418 SCALOGSS
	0002 1366 SCAMPMSG EQU X'02'	KEEP INFO. MESSAGES AT EQU (R4)	1419 *
19	0001 1367 SCAMPIDE EQU X'01'	COMMAND LANGUAGE IS ENGLISH	0029 1420 SCADSSMS
	1368 *		0028 1421 SCADSSCS
	0014 1369 SCADCFG3 EQU SCADCFG2+1	1 COMMUNICATIONS FEATURES (R3)	0020 1422 SCADSSIO
20			1423 *

14	1406 * RELAT
	1407 *
15	001A 1408 SCASSTUA
	001C 1409 SCATUWS2
	1410 *
16	001E 1411 SCAFVTOC
	0020 1412 SCAFVTON
	1413 *
17	0022 1414 SCATVTOC
	0023 1415 SCATVTON
	1416 *
18	0025 1417 SCASIOSS
	0027 1418 SCALOGSS
	1419 *
19	0029 1420 SCADSSMS
	0028 1421 SCADSSCS
	0020 1422 SCADSSIO
20	1423 *

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CHANGE ACTIVITY SUMMARY - V07/23/79										
MODULE NAME	FLAG	REFERENCE								
#SVAT	aa880	48	48	53						
	aa613	929								
	aa001	47	4672	4673	4674	4675	4676	4703	4708	
		4709	4710	4711	4712	4713	4714	4715	4716	
		4717								
	aa022	3998	3999							
	aa023	50	4600	4642	4643	4644	4645	4646	4651	
		4656	4660	4848						
	aa041	51	4987	5033						
	aa052	54	54	4774	4775	4776	4777			
	aa093	52	4141	4142	4247	4248	4249	4250	4251	
		4252	4325	4326	4328	4329	4330	4331	4332	
		4333	4335	4338	4339	4340	4341	4342	4343	
		4345	4346	4347	4350	4351	4353	4362	4363	
		4364	4365	4366	4368	4372	4375	4376	4378	
		4770	4771	4772	4773	4784	4789			
	aa145	55	2472	4607						
	aa184	325								
	aa185	57	58	4176	4581	4582	4583	4743	4763	
		4922	4933	4934	4935	4937	4938	4939		
	aa224	437	438	439						
	aa255	324								
	aa290	56	4334	4349	4386	4387	4388	4389	4390	
		4391	4392	4393	4394	4395	4396	4399	4400	
		4401	4404	4405	4407	4408	4409	4411	4412	
		4413	4414	4415	4416	4417	4418	4419	4420	
		4422	4424	4432	4434	4435	4439	4440	4441	
		4442	4450	4451	4458	4459	4461	4463	4464	
		4465	4466	4467	4468	4469	4679	4680	4681	
		4682	4685	4688	4689	4690	4691	4692	4693	
		4694	4695	4696	4697	4698	4699	4700	4701	
		4702	4706	4957	4958	4959	4963	4964	4965	
		4966	4967	4968	4969	4970	4971	4972		
	aa298	60	4243	4244	5094	5095				
	aa344	440								
	aa354	63	64	4841	4842	4846	4847			
	aa419	913	914	915	916	917	918	919	920	
		921	922	923	924	925	926	927	928	
		930	931	932	933					
16	END OF THE CHANGE ACTIVITY SUMMARY									
17	CHANGE FLAG REASONS - V07/23/79 - AS OF 12/08/81 21:29									
18	aa880	S313506	SS1	SV	03	11/07/78	MAB	45X		
	aa613	S317310	SS1	SU	05	07/09/80	JUB	47N		
	aa001	P10201	SS		02	02/08/77	CPC	47N		

CHANGE FLAG REASONS - V07/23/79										
01	aa022	P10304	SS	CP	03	07/18/77	TUB	47E		
02	aa023	P10310	SS	CP	03	07/18/77	TUB	47E		
03	aa041	P10316	SS	DM	03	09/07/77	HOG	47S		
	aa052	P10317	TP	SR	03	09/22/77	MLA	48L		
04	aa093	P10342	TP	SN	03	01/03/78	ACM	48G		
	aa145	P10402	SS		04	03/30/78	CKS	44A		
05	aa184	P10419	SSP		04	07/06/78	RMR	47Z		
06	aa185	P10420	TEL		04	07/06/78	RMR	47Z		
07	aa224	P10441	SS	AD	04	10/18/78	SDD	47V		
	aa255	P10702	CSP		07	01/25/79	TJL	49D		
08	aa290	P10478	SSP	SV	04	03/08/79	MAB	45X		
09	aa298	P10606	SSP		06	03/20/79	BSW	47Z		
	aa344	P10551	CSP		05	06/15/79	SDD	47V		
10	aa354	P10704	SSP		07	07/19/79	JHP	47R		
11	aa419	P10802	SSP		08	01/11/80	JUB	47N		
12	END OF CHANGE FLAG REASONS									

E29

CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
FIFO	C	001	0000	1058	1060
FIVE	C	001	0005	0794	4451
FOUR	C	001	0004	0793	
FIADATTR	C	001	0022	0851	0866

PAGE 134 V09/11/81 12/08/81 21:28					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
FIAMIFIL	C	001	0010	0972	
FIAMINDX	C	001	0080	0846	
FIAMINFR	C	001	0020	0954	
FIAMINBR	C	001	0002	0852	

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14	1404	POSSIBLE THE SS HAS BEEN DEFINED AS A 2 BYTE FIELD. THESE							
	1405 *	FIELDS ARE ORDER DEPENDENT AND DESCRIBE A ONE-TO-ONE							
	1406 *	RELATIONSHIP WITH THE SYSTEM CONFIGURATION RECORD, PART-1.							
	1407 *								
15	001A	1408 SCASSTHA EQU	SCADCMTR+2	2	SS OF TASK WORK AREA				
	001C	1409 SCATWASZ EQU	SCASSTHA+2	2	SIZE OF TASK WORK AREA				
	1410 *								
16	001E	1411 SCAVTOC EQU	SCATWASZ+2	2	SECTOR ADDRESS OF DISK VTOC				
	0020	1412 SCAVTON EQU	SCAVTOC+2	2	SIZE OF DISK VTOC				
	1413 *								
17	0022	1414 SCAIVTOC EQU	SCAVTON+2	2	SS OF DISKETTE VTOC WORK AREA				
	0023	1415 SCAIVTON EQU	SCAIVTOC+1	1	SIZE OF DISKETTE VTOC WORK AREA				
	1416 *								
18	0025	1417 SCASIOSS EQU	SCAIVTON+2	2	SS OF SIO TABLE DIRECTORY				
	0027	1418 SCALOGSS EQU	SCASIOSS+2	2	SS OF ERROR TABLE DIRECTORY				
	1419 *								
19	0029	1420 SCADSSMS EQU	SCALOGSS+2	2	SS OF MAIN STORAGE DUMP AREA				
	002B	1421 SCADSSCS EQU	SCADSSMS+2	2	SS OF CONTROL STORAGE DUMP AREA				
	002D	1422 SCADSSIO EQU	SCADSSCS+2	2	SS OF I/O PROCESSOR DUMP AREA				
20	1423 *								

F30

01	CHANGE FLAG REASONS - V07/23/79 - AS OF 12/08/81 21:29									
01	aa022	PI0304	SS	CP	03	07/18/77	TWB	47E		
02	aa023	PI0310	SS	CP	03	07/18/77	TWB	47E		
03	aa041	PI0316	SS	DM	03	09/07/77	HDG	47S		
	aa052	PI0317	TP	SR	03	09/22/77	MLA	48L		
04	aa093	PI0342	TP	SN	03	01/03/78	ACM	48G		
	aa145	PI0402	SS	_	04	03/30/78	CKS	44A		
05	aa184	PI0419	SSP		04	07/06/78	RMR	47Z		
06	aa185	PI0420	TEL		04	07/06/78	RMR	47Z		
	aa224	PI0441	SS	AD	04	10/18/78	SDD	47V		
07	aa255	PI0702	CSP		07	01/25/79	TJL	49D		
08	aa290	PI0478	SSP	SV	04	03/08/79	MAB	45X		
	aa298	PI0606	SSP		06	03/20/79	BSH	47Z		
09	aa344	PI0551	CSP		05	06/15/79	SDD	47V		
10	aa354	PI0704	SSP		07	07/19/79	JHP	47R		
	aa419	PI0802	SSP		08	01/11/80	JUB	47N		
11	END OF CHANGE FLAG REASONS									
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01	PAGE 135 V09/11/81 12/08/81 21:28									
	CROSS-REFERENCE									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				
	F1AMIFIL	C	001	0010	0972					
03	F1AMINDX	C	001	0080	0846					

01	LYC7 - 1364 - 7	
	29 JANUARY 82	PR
	COPYRIGHT IBM CORP. 1	
02		
03	aaa	aaa
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01					
02	SYMBOL	T	LEN	VALUE	DEFN
	INITSCA	A	002	0FBE	5095
03	IOB	C	001	0001	0781

Line	Code	Symbol	Len	Value	Defn	References
4	0055	1458	SCADVCE	EQU	SCADBSCT+2	2 ADDRESS OF DEVICE ALLOC TABLE
			1459	*		
	0057	1460	SCADSEU	EQU	SCADVCE+2	2 ADDRESS SEU MEMBER CHAIN
	0059	1461	SCADSEU	EQU	SCADSEU+2	2 SEU QUEUE HEADER
5	0059	1462	SCATPLW	EQU	SCADSEU	2 IPL WORK AREA
			1463	*		
	005A	1464	SCADSLOG	EQU	SCADSEU+1	1 SYSLOG ASSIGNED INDICATOR
	00E0	1465	SCAMPRT	EQU	X'E0'	. SYSLOG ASSIGNED TO PRINTER
6	0010	1466	SCAMPRT	EQU	X'10'	. SYSLOG ASSIGNED TO WORK STATION
			1467	*		
	005B	1468	SCASYS1	EQU	SCADSLOG+1	1 SYSTEM CONFIGURATION BYTE 5
	0080	1469	SCAHFERR	EQU	X'80'	. X'80' - ERROR IN HISTORY FILE
7	0040	1470	SCAMPLC	EQU	X'40'	. X'40' - IPL-PROCESSING COMPLETE
	0020	1471	SCADVER	EQU	X'20'	. X'20' - IPL-OVERRIDE RECEIVED
8	0010	1472	SCAMPL	EQU	X'10'	. X'10' - IPL-SIGN ON COMPLETE
	0008	1473	SCAMPBLD	EQU	X'08'	. X'08' - IPL-FILE REBUILD
	0004	1474	SCAMEJCT	EQU	X'04'	. X'04' - SYSLOG EJECT AT EOJ
9	0002	1475	SCAMCLOK	EQU	X'02'	. X'02' - CONFIG RECORD LOCK (R3)
	0001	1476	SCAMPREP	EQU	X'01'	. X'01' - PREPARE REQUEST ISSUED
20			1477	*		

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Line	Code	Symbol	Len	Value	Defn	References
01		LYC7 - 1364 - 7			IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT	
		29 JANUARY 82			PROGNO 5726-551	REL: R08-100
		COPYRIGHT IBM CORP.			1978	LICENSED MATERIAL - PROPERTY OF IBM
03						
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Line	Code	Symbol	Len	Value	Defn	References
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02						
03						

CROSS-REFERENCE

Line	Code	Symbol	T	Len	Value	Defn	References
02		INITSCA	A	002	0FBE	5095	4244
03		INR	C	001	0001	0781	

Line	Code	Symbol	T	Len	Value	Defn
02		INPGADDF	C	001	0034	12
03		INPGADDF	C	001	0010	12

14	006R 1513 SCATPLW1 EQU SCADKLR	.	IPL WORK AREA (END)	14
	1514 *			
	006D 1515 SCADMTUB EQU SCADKLR+2	2	MASTER CONSOLE TUB ADDRESS	
15	006F 1516 SCADPTUB EQU SCADMTUB+2	2	SYSTEM PRINTER TUB ADDRESS	
	1517 *			
	1518 *	COMMAND PROCESSOR	DISPLACEMENTS AND BIT MASKS	
	1519 *			
16	0070 1520 SCADCPS1 EQU SCADPTUB+1	1	SWITCH BYTE ONE	
	0080 1521 SCAMCPL EQU X'80'	.	STOP COMPLETE MESSAGE SENT	
	0040 1522 SCAMALL EQU X'40'	.	NO JOBS CAN BE INITIATED	
17	0020 1523 SCAMJJE EQU X'20'	.	SPOOL WRITER/JOBQ EDJ REQUIRED	
	0010 1524 SCAMJSE EQU X'10'	.	WSDM SEND EDJ COMPLETION CODE	
	0008 1525 SCAMJST EQU X'08'	.	SPOOL WRITER HAS BEEN STARTED	
18	0004 1526 SCAMJQS EQU X'04'	.	JOBQ HAS BEEN STARTED	
	0002 1527 SCAMSEC EQU X'02'	.	SECURITY IS ACTIVE	
	0001 1528 SCAMERP EQU X'01'	.	CALL I/O ERP TRANSIENT	
19	1529 *			
	0071 1530 SCADCPS2 EQU SCADCPS1+1		SWITCH BYTE TWO	
20	0080 1531 SCAMKEYS EQU X'80'	.	KEY SORT ALL FILES AT SHUT DOWN	

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01	#SVAU 12/08/81 15:51	01
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01	4500 SYMBOL VERSION OF T	01
	YOU USED 1913 SYMBOLS.	
02		02
03	LENGTH OF MODULE IS 1851	03
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01	CROSS-REFERENCE					01	
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	02
03	IWPGADDR	C	001	0034	1289	1290	03
	IWPGATR4	C	001	0043	1299	1300	
	IWPGATR	C	001	0025	1285	1286	

01	4500 SYMBOL VERSION OF T	01					
02	YOU USED 1913 SYMBOLS.						
03	LENGTH OF MODULE IS 1851	03					
	JCBDJQST	C	001	005A	1513	1514	
	JCBDLANG	C	001	0062	1519	1520	
	JCBDLCL	C	001	0015	1511	1512	

13	007A	1565	SCADMZK EQU	SCADMZK+1	1	NUMBER NUCLEUS 2K BLOCKS	(R4)		
		1566 *							
14	007B	1567	SCADMCTR EQU	SCADMZK+1	1	COUNTER OF MRT JOBS ACTIVE			1621 *
	007D	1568	SCADSCIM EQU	SCADMCTR+2	2	ADDRESS SYS CONSOLE IMAGE MATRIX			1622 *
	007E	1569	SCADMID# EQU	SCADSCIM+1	1	MESSAGE ID # FOR SYS CON REPLY			1623 *
	007F	1570	SCADRSCZ EQU	SCADMID#+1	1	SIZE OF RESOURCE SECURITY FILE			1624 *
15	0080	1571	SCADRSCZ EQU	SCADRSCZ+1	1	SIZE OF SECURITY FILE			0080 1625 S
	0082	1572	SCADCPUB EQU	SCADRSCZ+2	2	COMMAND PROCESSOR WORKAREA ADDRESS			0040 1626 S
		1573 *							0020 1627 S
16	0084	1574	SCACSATB EQU	SCADCPUB+2	2	CONTROL STORE ALLOCATE TABLE			0010 1628 S
		1575 *							1629 *
	0085	1576	SCADXSLOT EQU	SCACSATB+1	1	12 SLOT NUMBER (HEX)	(R3)		0008 1630 S
17	008A	1577	SCADXSLOT EQU	SCADXSLOT+5	5	12 SLOT NUMBER DECIMAL	(R3)		0004 1631 S
		1578 *							0002 1632 S
	008B	1579	SCADMONT EQU	SCADXSLOT+1	1	MESSAGE Q COUNT			0001 1633 S
18		1580 *							1634 *
	008C	1581	SCADCSP1 EQU	SCADMONT+1	1	CSP -----> MSP INTERFACE BYTE			0088 1635 S
	0080	1582	SCAM1255 EQU	X'80'	.	MIIC ATTACHMENT ON SYSTEM	(R2)		0044 1636 S
19	0040	1583	SCAMPARNR EQU	X'40'	.	12 DISKETTE ATTACHMEN.	(R3)		0022 1637 S
		1584 *	EQU	X'20'	.	RESERVED FOR ADDR COMPARE DUMP			0011 1638 S
20	0010	1585	SCAMPACDV EQU	X'10'	.	ERROR ON DUMP - PARTIAL DUMP TAKEN			1639 *

F33

01	4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.	
	YOU USED	1913 SYMBOLS.
02		
03	LENGTH OF MODULE IS	1851
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01	#SWAU TCB CHANGE ORG OR DETACH TRA	
	ERR LOC OBJECT CODE	ADDP STMT
02	0800	2
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E33

01	CROSS-REFERENCE				
02	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
	JCBOJOST C 001	005A	1513	1514	

02	SYMBOL	T	LEN	VALUE	DEFN REFE
	JCRSHTR C 001	0030	1324		

14	1621 * X.21 ON LINE 1 AND COMMUNICATIONS ON LINE 2 WOULD BE X'CB'.	
	1622 * AUTOCALL AND X.21 ARE MUTUALLY EXCLUSIVE.	
	1624 *	
15	0080 1625 SCAMLN1 EQU X'80' . COMMUNICATIONS ON LINE 1	
	0040 1626 SCAMLN2 EQU X'40' . COMMUNICATIONS ON LINE 2 (R3)	
	0020 1627 SCAMLN3 EQU X'20' . COMMUNICATIONS ON LINE 3 (R6)	
16	0010 1628 SCAMLN4 EQU X'10' . COMMUNICATIONS ON LINE 4 (R6)	
	1629 *	
	0008 1630 SCAMXCU1 EQU X'08' . AUTO CALL ON LINE 1 (R6)	
	0004 1631 SCAMXCU2 EQU X'04' . AUTO CALL ON LINE 2 (R6)	
17	0002 1632 SCAMXCU3 EQU X'02' . AUTO CALL ON LINE 3 (R6)	
	0001 1633 SCAMXCU4 EQU X'01' . AUTO CALL ON LINE 4 (R6)	
	1634 *	
18	0088 1635 SCAMX211 EQU X'8P' . X.21 ON LINE 1 (R8)	
	0044 1636 SCAMX212 EQU X'44' . X.21 ON LINE 2 (R8)	
19	0022 1637 SCAMX213 EQU X'22' . X.21 ON LINE 3 (R8)	
	0011 1638 SCAMX214 EQU X'11' . X.21 ON LINE 4 (R8)	
	1639 *	
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F34

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01				#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 1 V09/11/81 12/08/81 21:31
02	0800	2	*SVAU	START X'0800'	00020000
		3	*	COPYR	00030000
		4	*/	COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981	*/
		5	*/	LICENSED MATERIAL - PROGRAM PROPERTY OF IBM	*/
		6	*/	REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.	*/
		7	***	END OF EXPANSTON **	
		8	*****		00040000
		9	*		00050000
		10	*	TITLE: #SVAU - SUPERVISOR TASK DETACH OR CHANGE ORG POINT	00060000
		11	*		00070000
		12	*	FUNCTION/DESCRIPTION: #SVAU IS CALLED WHENEVER THE ORG POINT OF A	00080000
		13	*	TASK IS TO BE CHANGED AS IN GOING SCHEDULER	00090000
		14	*	TO USER, USER TO SCHEDULER, OR WHENEVER	00100000
		15	*	THE TASK IS TO BE DETACHED FROM THE SYSTEM.	00110000
		16	*	WHEN A TASKS ORG POINT IS CHANGED, #SVAU	00120000
		17	*	FIRST DETERMINES IF ENOUGH MAIN STORAGE IS	00130000
		18	*	AVAILABLE TO LOAD THE PROGRAM BEING REQUESTED.	00140000
		19	*	IF MAIN STORAGE EXISTS, THE OLD SWAP AREA ON	00150000
		20	*	DISK IS FREED ONLY IF IT IS LARGER THAN THE	00160000
		21	*	SWAP AREA REQUIRED, OR IF WHAT IS REQUIRED	00170000
		22	*	IS SMALLER, AND THE TASK IS IN TERMINATION.	00180000
		23	*	NEXT, ALL BUT THE FIRST 2K ASSIGNED TO THE	00190000
		24	*	TASK IS FREED, AND BOOTSTRAP CODE MOVED TO	00200000
		25	*	THAT PAGE TO START UP THE REQUESTED PROGRAM.	00210000
		26	*	#SVAU IS ALSO CALLED WHENEVER A TASK	00220000
		27	*	IS TO BE DETACHED FROM THE SYSTEM. THE	00230000
		28	*	TASK'S SWAP AND MAIN STORAGE IS FREED. ALSO	00240000
		29	*	ALL RB'S AND THE JCB IF REQUIRED, AND FINALLY	00250000
		30	*	THE TCB. DETACH IS REQUESTED BY CALLING EDJ.	00260000
		31	*		00270000
		32	*	ENTRY POINT: THERE IS ONLY ONE ENTRY POINT - #SVAU	00280000
		33	*		00290000
		34	*	INPUT: XR1=> ATTACH PARAMETER LIST	00300000
		35	*		00310000
		36	*	OUTPUT: THE TASK'S ORG POINT IS CHANGED, OR THE TASK IS DETACHED	00320000
		37	*	FROM THE SYSTEM. IN THE FORMER CASE, THE ROUTINE GIVEN	00330000
		38	*	CONTROL IS THE PROGRAM POINTED TO BY THE PARM LIST.	00340000
		39	*		00350000
		40	*	EXITS: NORMAL - TO ROUTINE TO BE FETCHED.	00360000
		41	*		00370000
		42	*	ABNORMAL - TRANSIENT EXIT IF MAIN STORAGE OR SWAP STORAGE	00380000
		43	*	UNAVAILABLE TO START TASK	00390000
		44	*		00400000
		45	*	EXTERNAL REFERENCES: CONTROL STORE ROUTINES - ASSIGN/FREE,	00410000
		46	*	FREE PAGE, SCB GET, LOAD ATRS, QUEUE,	00420000
		47	*	POST, GPOST, PMR	00430000
		48	*		00440000
		49	*	NOTES: THIS ROUTINE MUST EXECUTE IN THE MAIN STORAGE TRANSIENT	00450000
		50	*	AREA	00460000
		51	*		00470000
		52	*	CHARACTER CODE DEPENDENCY: N/A	00480000
		53	*		00490000
		54	*/	CHANGE ACTIVITY - #SVAU	00491000
		55	*		00491500

E34

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
JCBMIPR	C	001	0030	1374
JCBMIGRC	C	001	0008	1400
JCBMINHT	C	001	0010	1365

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN RE
JCBMUPS8	C	001	0001	1433
JCBMUSLB	C	001	0004	1379
JCBMUDKT	C	001	0020	1461

14	1676 *	4-7 (X'0F') IN MULTIPLES OF THE HISTORY FILE (1-B).	
15	00A2 1679 SCADRSEC EQU SCADCFG7+3 3 RESERVED FOR SECURITY USE		
16	00A4 1681 SCADHFUK EQU SCADHFUK+2 2 SECTOR OFFSET OF VTDC ENTRY; (R3) HISTORY OVERFLOW FILE, #HISTOVI		
17	00A6 1684 SCADURK EQU SCADURK+2 2 ADDRESS COMPARE WORKAREA ADDR (R3)		
18	00A7 1686 SCADCFGB EQU SCADURK+1 1 SSP CONFIRMATION (R3)		
19	1687 * EQU X'80' . RESERVED		
20	00A0 1688 SCAMPUSP EQU X'40' . USE WORK AREA PRINTER (R6)		
	1689 * EQU X'20' . RESERVED		
	1690 * EQU X'10' . RESERVED		
	1691 * EQU X'08' . RESERVED (R6)		
	1692 * EQU X'04' . RESERVED (R6)		
	1693 * EQU X'02' . RESERVED (R6)		

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#SWAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 2	09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	56 *	RELEASE 3:
	57 *	aa041 - CHANGE TO SUPPORT PICCOLO DISK
	58 *	aa093 - SUPPORT SECONDARY SNA
03	59 *	aa052 - PTR P3SC021 SRJE SUPPORT FIX
	60 *	RELEASE 4:
	61 *	aa254 - SUPPORT FOR \$MUGETPX
04	62 *	aa145 - SUPPORT FOR ICF(MDYER)-3/5/79.
	63 *	aa145 - FREE ANY JOB EXTENSION-ICF-4/23/79-MAB.
	64 *	aa145 - FREE ANY FSB'S OR F1'S ASSOCIATED WITH THE
05	65 *	DETACHING TASK, P10402-ICF-5/5/79, MAB.
	66 *	RELEASE 5:
	67 *	PTR - P5VM001 - TDMPAC RLD PARM CHANGE, 9/7/79, MAB.
06	68 *	
	69 *	*****

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CROSS-REFERENCE	PAGE 140	09/11/81 12/08/81 21:28			
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
JCBMUPS8	C	001	0001	1433	
JCBMUSLB	C	001	0004	1379	
JCBMUDKT	C	001	0020	1461	

00B5 1731 *
00B7 1733 *
1734 *
00B8 1735 *
1736 *
00C0 1737 *
00B0 1738 *
1739 *
1740 *
1741 *
1742 *
1743 *
1744 *
1745 *
1746 *
00C2 1747 *

#SWAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 2	09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR	SOURCE STATEMENT
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NUMPI08	C	001	01C0	1693	1696
NUMISSQS	C	001	1000	1774	1777
NUMINACE	C	001	0360	1732	1734

15	00B5 1731 SCADDBR3 EQU SCADDBR+9	RESERVED
	1732 * EQU SCADDBR+11	RESERVED
	00B7 1733 SCADDBR EQU SCADDBR+12	12 USOM BRANCH TABLE (HIGH SIDE)
	1734 *	
16	00B6 1735 SCADRSPC EQU SCADDBR+8	8 RESERVED
	1736 *	
	00C0 1737 SCADPCS4 EQU SCADRSPC+1	1 COMMAND PROCESSOR SWITCH 4 RB1
	00B0 1738 SCAMHLD EQU X'80'	VERY HIGH LEVEL DEDICATION
17	1739 * EQU X'40'	RESERVED
	1740 * EQU X'20'	RESERVED
	1741 * EQU X'10'	RESERVED
18	1742 * EQU X'08'	RESERVED
	1743 * EQU X'04'	RESERVED
	1744 * EQU X'02'	RESERVED
19	1745 * EQU X'01'	RESERVED
	1746 *	
20	00C2 1747 SCADXTD EQU SCADPCS4+2	2 EXT. ADDRESS MAPPING (EAM) RB1

F36

#SVAL TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 3 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	SOURCE STATEMENT
01			
		71 *	ACE
02		72	*****
		73 *	1* 3* 5* 6* 7*
03		74 *	CHAIN * IAR * * MAB * PARM1 * PARM2 *
		75	*****
		76 *	8* 9* B* * 0* F*
04		77 *	PARM3 * TYPE * XR1 * * XR2 * TCB *
		78	*****
		79 *	*
05		0001 80	ACECHAIN EQU 1 CHAIN TO NEXT ACTION CONTROL ELEMENT
		0003 81	ACEIAR EQU ACECHAIN+2 CALLERS IAR VALUE
		0005 82	ACEMAB EQU ACEIAR+2 MAB ADDRESS (CONTROL STORAGE ACE)
06		0006 83	ACEPARM1 EQU ACEMAB+1 FIRST IN-LINE PARM
		0007 84	ACEPARM2 EQU ACEPARM1+1 SECOND IN-LINE PARM
		0008 85	ACEPARM3 EQU ACEPARM2+1 THIRD IN-LINE PARM
07		0009 86	ACETYPE EQU ACEPARM3+1 TYPE OF ACE (CTRL OR MAIN STORAGE)
		0080 87	ACEMSCL EQU X'80' INDICATOR FOR MAIN STORAGE ACE
08		0000 88	ACECSCL EQU X'00' INDICATOR FOR CONTROL STORE ACE
		0040 89	ACEPRIV EQU X'40' INDICATOR FOR PRIVILEGED ACE
		0020 90	ACEIOCHN EQU X'20' CHAINED JOB INDICATOR
09		0010 91	ACELOG EQU X'10' INDICATOR FOR SYSLOG CALLED
		0010 92	ACECPERR EQU X'10' INDICATOR FOR ASYNC ERROR ACE.
		0008 93	ACEMLAIT EQU X'08' MULTIPLE WAIT INDICATOR
10		0008 94	ACEINUSE EQU X'08' US ACE IN USE.
		95 *	NOTE: THE FOLLOWING EQUATE MUST BE THE SAME AS QKLOFF IN SVEQU
		0004 96	ACEKLOFF EQU X'04' INDICATOR FOR JOB IS IN REAL STORAGE
11		0001 97	ACEQIES EQU X'01' INCREMENT QUIESCE COUNTER VALUE
		00FE 98	ACEMASK EQU X'FE' MASK TO TURN OFF ALL EXCEPT QUIESCE
		000B 99	ACEXR1 EQU ACETYPE+2 CALLERS XR1 VALUE
12		000D 100	ACEXR2 EQU ACEXR1+2 CALLERS XR2 VALUE
		000F 101	ACETCBa EQU ACEXR2+2 TCB ADDRESS
		0010 102	ACELEN EQU ACETCBa+1 LENGTH OF ACE
13		103	*** END OF EXPANSION **

E36

CROSS-REFERENCE		PAGE 141 V09/11/81 12/08/81 21:28	
SYMBOL	T LEN VALUE	DEFN	REFERENCES
NUMPIOB C 001	01C0	1693	1696
NUMSSQS C 001	1000	1774	1777
NUMXACE C 001	0360	1732	1734
NUMRDIOB C 001	02A8	1713	1716
NUMASCA C 001	0000	1687	1690 4205 4325 4326 4592 4632* 4642 4644 4671* 4708 4778* 4809

16	1790 *	00C6 1791 SCADICSA EQU	SCADCFG+2	2	ICS COMMUNICATION AREA ADDR	IR41
17	1792 *	00CE 1793 SCADRFTR EQU	SCADICSA+8	8	RESERVED	
18	1794 *	00D6 1795 SCADUCFG EQU	SCADRFTR+8	8	UDT COMM CONFIGURATION	IR31
19	00D5 1796 SCADUDT1 EQU	SCADUCFG-1	.	LINE 1 CONFIGURATION (BYTE 0)	IR31	
20	00D3 1797 SCADUDT2 EQU	SCADUCFG-3	.	LINE 2 CONFIGURATION (BYTE 0)	IR31	
	00D1 1798 SCADUDT3 EQU	SCADUCFG-5	.	LINE 3 CONFIGURATION (BYTE 0)	IR61	
	00CF 1799 SCADUDT4 EQU	SCADUCFG-7	.	LINE 4 CONFIGURATION (BYTE 0)	IR61	
	1800 *		NOTE ----->	SEE COMPRESSED UNIT DEFINITION TABLE (UDT)		
	1801 *			DESCRIPTION FOR DEFINITION OF BITS		

G01

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 4 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	105 *		ATACH V-EQU 00540000
	000B 106	\$ATLOAD EQU	X'0B' LOADER PARM LIST OFFSET
	000C 107	\$ATFLAG EQU	\$ATLOAD+1 FIRST FLAG BYTE OFFSET
03	0080 108	\$ATCREAT EQU	X'80' CREATE A NEW TCB
	0040 109	\$ATREAL EQU	X'40' LOGICAL = REAL TO LINK @
	0020 110	\$ATTUBAS EQU	X'20' ON - TUB@ PASSED IN PARM LIST
04	111 *		OFF- JCB@ PASSED IN PARM LIST
	0010 112	\$ATNONAM EQU	X'10' ON - DON'T ASSIGN JOB NAME
	113 *		OFF- ASSIGN JOB NAME
05	0008 114	\$ATDATA EQU	X'08' PUT DATA TO SESSION WORK AREA
	115 *		ALSO, DUMMY UP INVITE
	0004 116	\$ATPRIV EQU	X'04' TASK IS PRIVILEGED
06	0002 117	\$ATNSWAP EQU	X'02' TASK IS NOT SWAPPABLE
	0001 118	\$ATFRPM EQU	X'01' FREE ATACH PARM LIST
	00EC 119	\$ATINIT EQU	\$ATCREAT+\$ATREAL+\$ATTUBAS+\$ATDATA+\$ATPRIV START INIT
07	0004 120	\$ATSPool EQU	\$ATCREAT+\$ATREAL+\$ATNONAM+\$ATPRIV START SPOOL
	0090 121	\$ATBATCH EQU	\$ATCREAT+\$ATNONAM START BATCH
	000D 122	\$ATMSS12 EQU	\$ATFLAG+1 #2K BLOCKS OF MAIN STORAGE
08	000E 123	\$ATPRIOR EQU	\$ATMSS12+1 PRIORITY OF NEW TASK
	0010 124	\$ATTUB@ EQU	\$ATPRIOR+2 TUB ADDRESS
	0010 125	\$ATJCB@ EQU	\$ATTUB@ JCB ADDRESS
09	0014 126	\$ATSSN EQU	\$ATTUB@+4 SSSN VALUE OF NEXT TRANSIENT
	0015 127	\$ATFLAG1 EQU	\$ATSSN+1 SECOND FLAG BYTE
	0080 128	\$ATFRSH EQU	X'80' REFRESH UNCOND. IF ATACH SUCC.
10	0040 129	\$ATCOMMON EQU	X'40' PROG. HAS COMMON
	0020 130	\$ATQINT EQU	X'20' PASS CONTROL TO INITIATOR
	0010 131	\$ATINCJC EQU	X'10' INCREMENT JOB COUNT
11	0008 132	\$ATSYSJK EQU	X'08' SYSTEM TASK
	0004 133	\$ATNRTUB EQU	X'04' REQ. TUB, BUT NOT OWNER
	0002 134	\$ATNCNTQ EQU	X'02' DISALLOW CANCEL OR INQ
12	0001 135	\$ATACHER EQU	X'01' ATTACHER(MRJE) INDICATOR
	0016 136	\$ATTSKID EQU	\$ATFLAG1+1 TASK ID OF TASK ATACHED
	0018 137	\$ATDATA@ EQU	\$ATTSKID+2 ADDRESS OF DATA TO PUT
13	0019 138	\$ATLENG EQU	\$ATDATA@+1 LENGTH OF ATACH PARM LIST
	139 *		
	140 *		ERROR RETURN CODES IN XR1 IN FORMAT 00XX, WHERE XX:
14	141 *		IF ATACH WAS SUCCESSFUL, XR1 RETURNS WITH ATTACHED TASKS TCB
	142 *		ADDRESS.
	143 *		
15	00L 144	\$ATERRO1 EQU	X'01' NOT ENOUGH STORAGE
	0002 145	\$ATERRO2 EQU	X'02' TASK NON-SWAPPABLE, AND NOT
	146 *		ENOUGH STORAGE
16	0003 147	\$ATERRO3 EQU	X'03' TASK NON-SWAPPABLE, AND ITS
	148 *		STORAGE REQUIREMENTS WILL
	149 *		PUT A SWAPPABLE TASK TO SLEEP
17	0004 150	\$ATERRO4 EQU	X'04' ASSIGN FAILURE ON TCB
	0005 151	\$ATERRO5 EQU	X'05' ASSIGN FAILURE ON R@
	0006 152	\$ATERRO6 EQU	X'06' ALLOCATE FAILURE FOR SWAP AREA
18	0007 153	\$ATERRO7 EQU	X'07' ALLOCATE FAILURE FOR LSWA
	154	*** END OF EXPANSION **	

F01

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 142 V09/11/81 12/08/81 21:26	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02			CROSS-REFERENCE
03			
04			
05			

ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02			
03			
04			
05			

15		0021 1874 SMCPR
16		0022 1876 SMCDA
17		0023 1877 SMCTE
18		0024 1878 SMCPR
19		0025 1879 SMCPR
20		0026 1880 SMCPR
		0027 1881 SMCDS
		0029 1883 SMCSD
		002A 1884 SMCMD
		002B 1885 SMCPOS
		002C 1886 SMCQLA
		002D 1887 SMCXAN
		002E 1888 SMCVTO
		1889 *
		1890 * *

G02

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	PAGE	5	V09/11/81	12/08/81	21:31
01				#SWAU TCB CHANGE ORG OR DETACH TRANSIENT					
02	00540000		156 *	CSB					00560000
03			157 *	*****					
04			158 *						
05			159 *	EQUATES FOR COMMUNICATIONS SPECIFICATION BLOCK					
06			160 *	THIS BLOCK IS ADDRESSED FROM THE DTF.					
07			161 *	*****					
08		0001	163	CSBDECM EQU 1					EVENT CONTROL MASK
09		0001	164	CSBDMTCL EQU CSBDECM					MONITOR LINE OWNER TCB @ (OVERLAYS ECM)
10		0002	165	CSBOLINO EQU CSBDECM+1					LINE NUMBER
11		0001	166	CSBMLIN1 EQU X'01'					LINE NUMBER ONE
12		0002	167	CSBMLIN2 EQU X'02'					LINE NUMBER TWO
13		0003	168	CSBMLIN3 EQU X'03'					LINE NUMBER THREE
14		0004	169	CSBMLIN4 EQU X'04'					LINE NUMBER FOUR
15		0003	171	CSBDDVCD EQU CSBOLINO+1					DEVICE CODE
16		0080	172	CSBMBSQ EQU X'80'					BSC
17		0081	173	CSBMNSA EQU X'81'					SNA
18		0082	174	CSBMNRJE EQU X'82'					NRJE
19		0083	175	CSBMSDLP EQU X'83'					SDLC PRIMARY
20		0084	176	CSBMSN44 EQU X'84'					SNA44/SDLC TRIBUTARY
21		0085	177	CSBMICF EQU X'85'					INTERACTIVE BSC
22		0086	178	CSBMITH EQU X'86'					3270 EMULATION BSC SUPPORT
23		0005	180	CSBDSAC EQU CSBDDVCD+2					SCA CHAIN FIELD
24		0006	181	CSBDAT1 EQU CSBDSAC+1					ATTRIBUTE BYTE 1
25		0080	182	CSBMIOAC EQU X'80'					BSC I/O AREA ALLOCATED
26		0040	183	CSBM2IOB EQU X'40'					TWO IOBS REQUIRED
27		0020	184	CSBMOPND EQU X'20'					CSB HAS BEEN OPENED
28		0010	185	CSBMALLC EQU X'10'					CSB HAS BEEN ALLOCATED
29		0008	186	CSBMONTR EQU X'08'					MONITOR CSB
30		0004	187	CSBMJPMI EQU X'04'					JAPANESE MODEM USED ON THIS LINE
31		0002	188	CSBMEXIT EQU X'02'					IMMEDIATE EXIT
32		0001	189	CSBMINIT EQU X'01'					CSB CREATED BY INITIATOR
33		0007	190	CSBDAT3 EQU CSBDAT1+1					ATTRIBUTE BYTE 3
34		0080	191	CSBMUSER EQU X'80'					USER REQUEST IN PROCESS (*SVTTC)
35		0040	192	CSBMBSER EQU X'40'					TERMINATION IN PROCESS (*BSER)
36		0020	193	CSBMNSBU EQU X'20'					SWITCHED NETWORK BACKUP LINE INIT COMP
37		0010	194	CSBMTERM EQU X'10'					*BSCM IS BEING CALLED FROM TERMINATION
38		0008	195	CSBMX21 EQU X'08'					X.21 ON THIS LINE (PT TO PT OR SL) @4470
39		0004	196	CSBMAUTO EQU X'04'					AUTOCALL BEING USED
40		0002	197	CSBMCLOS EQU X'02'					CSB HAS BEEN CLOSED
41		0001	198	CSBM1IOB EQU X'01'					CSBDIOSZ CALL WITH ONE IOB
42		0009	200	CSBDSCA EQU CSBDAT3+2					SDLC COMMON AREA ADDRESS
43		000A	201	CSBOLST EQU CSBDSCA+1					LINE STATUS BYTE
44		0080	202	CSBMORUS EQU X'80'					TERM/DET FOR RUS
45		0040	203	CSBMOPER EQU X'40'					TERM/DET FOR PEER
46		0020	204	CSBMDSFS EQU X'20'					TERM/DET FOR SNA FINANCE
47		0010	205	CSBMDSST EQU X'10'					TERM/DET FOR STATION TEST
48		0008	206	CSBMTRM EQU X'08'					TERMINATE ISSUED
49		0004	207	CSBMISL EQU X'04'					SHARABLE LINE
50		208 *		EQU X'02'					RESERVED
51		209 *		EQU X'01'					RESERVED

F02

SUBJECT	T	LEN	VALUE	DEFN	REFERENCES
01					CROSS-REFERENCE
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

14	0020 1875 SVCLQS EQU X'20'	ALTER QUIESCE COUNTER	14
15	0021 1874 SVCRENQ EQU X'21'	RESOURCE ENQUEUE	15
	0022 1876 SVCDUMP EQU X'22'	DUMP MAIN STORAGE/TERMINATE TASK	
	0023 1877 SVCTEST EQU X'23'	TEST AND SET	
16	0024 1878 SVCPRIQ EQU X'24'	TCB PRIORITY QUEUE	16
	0025 1879 SVCRDYCK EQU X'25'	ASYNCHRONOUS TASK READY CHECK.	
	0026 1880 SVCPREP EQU X'26'	PREPARE PRINTER OUTPUT	
17	0027 1881 SVCDSPCH EQU X'27'	DISPATCHER SVC	17
	0028 1882 SVCRPT EQU X'28'	REMOTE PRINTER SET UP.	
	0029 1883 SVCSQ EQU X'29'	SECTOR ENQUEUE/DEQUEUE	
18	002A 1884 SVCMOVEI EQU X'2A'	MOVE DATA BY ID	18
	002B 1885 SVCPSTI EQU X'2B'	POST TASK BY ID	
	002C 1886 SVQWAIT EQU Y'2C'	QUIESCE COUNTER WAIT	
19	002D 1887 SVCXAF EQU X'2D'	TRANSLATED ASSIGN/FREE	19
	002E 1888 SVCTOD EQU X'2E'	RETURN TIME-OF-DAY IN TIMER UNITS	
	1889 *		
20	1890 * *-INDICATES NOT USEABLE FROM MAIN STORE		20

G03

PAGE 5 V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 6 V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG		
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
00560000	000C	210	CSBDTCB1	EQU	CSBDLST+2	TCB ADDRESS OF TASK ONE	
	000E	211	CSBDTCB2	EQU	CSBDTCB1+2	TCB ADDRESS OF TASK TWO	
	0010	212	CSBDTCB3	EQU	CSBDTCB2+2	TCB ADDRESS OF TASK THREE	
	0012	213	CSBDTCB4	EQU	CSBDTCB3+2	TCB ADDRESS OF TASK THREE	
	00FF	214	CSBMETCB	EQU	X'FF'	END OF TCBS INDICATOR	
	0017	215	CSBDRESV	EQU	CSBDTCB4+5	RESERVED SPACE	
	0018	216	CSBDDEMON	EQU	CSBDRESV+1	END OF MON CSB FOR REMOTE WORKSTATIONS	
	218	*****					
	219	*	END OF COMMON ENTRIES - BSC - SNA - MONITOR			*	
	220	*				*	
	221	*****					
	0009	223	CSBDFCHN	EQU	CSBDAT3+2	JCB CHAIN FIELD	
	000B	224	CSBDTCBA	EQU	CSBDFCHN+2	PROTOCOL TCB ADDRESS	
	000D	225	CSBDUTCB	EQU	CSBDTCBA+2	USER TCB ADDRESS	
	000F	226	CSBDOTFA	EQU	CSBDUTCB+2	DTF ADDRESS	
	0010	227	CSBDRTNC	EQU	CSBDOTFA+1	TASK RETURN CODE	
	0000	228	CSBMNRM	EQU	X'00'	RETURN TO USER	
	0001	229	CSBMRTDM	EQU	X'01'	RETURN TO DATA MGT. CODE	
	0002	230	CSBMMSGT	EQU	X'02'	LINK TO MESSAGE TRANSIENT	
	0014	231	CSBDMSS	EQU	CSBDRTNC+4	MESSAGE TRANSIENT ADDRESS	
	233	*****					
	234	*	COMMON EQUATE SECTION			*	
	235	*****					
	0033	237	CSBMTOPC	EQU	X'33'	TERMINATION REQUEST OPERATION CODE	
	0022	238	CSBMCOPC	EQU	X'22'	CLOSE REQUEST OPERATION CODE	
	240	*****					
	241	*				*	
	242	*	END OF COMMON AREA SECTION OF CSB FOR SNA AND BSC			*	
	243	*				*	
	244	*****					
	246	*****					
	247	*				*	
	248	*	SNA ENTRIES			*	
	249	*				*	
	250	*****					
	0016	252	CSBDSDCM	EQU	CSBDMSS+2	SDLC COMMON AREA ADDRESS	
	0018	253	CSBDSNAC	EQU	CSBDSDCM+2	SNA COMMON AREA ADDRESS	
	0019	254	CSBDMONE	EQU	CSBDSNAC+1	END OF MON CSB FOR #SNA1	
	001A	255	CSBDSB1	EQU	CSBDMONE+1	SNA STATUS BYTE 1	
	0080	256	CSBMRQYS	EQU	X'80'	REQDISCONT (REQUEST DISCONTACT	
	257	*	* SPECIFIED) - YES				
	0040	258	CSBMRQNO	EQU	X'40'	REQDISCONT - NO	
	0020	259	CSBMTEBI	EQU	X'20'	CSBDMIC CONTAINS TEBB INDICATOR	
	0010	260	CSBMUJCK	EQU	X'10'	USER IS WAITING ON A CHECK	
	0008	261	CSBMCSLU	EQU	X'08'	LU CONFIGURED AS SINGLE LOGICAL UNIT	
	0004	262	CSBMPIINT	EQU	X'04'	CSB AT PRE-INIT STAGE	
	0002	263	CSBMULAT	EQU	X'02'	USER IN WAIT STATE	

F03

PAGE 143 V09/11/81 12/08/81 21:28		PAGE 144 V09/11/81 12/08/81 21:28							
CROSS-REFERENCE									
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	SYMBOL	T	LEN	VALUE
RAFA	C	001	001A	4078		RLTBRY	C	001	000A
RALLOC	C	001	000C	4064		RLOPEN	C	001	0016
RB\$ARR	C	001	0007	1800	1801	ROFFLINE	C	001	0027
RB\$CHAIN	C	001	0001	1797	1798 4867	ROPEN	C	001	0002

15	00F4 1929 SVCOP EQU X'F4'	SVC OP CODE VALUE	1970 *58
16	00F5 1930 SVCXFR EQU X'F5'	SVC TRANSFER OP CODE	1971 *
17	1931 *** END OF EXPANSION **		1972 *60
18			1973 *68
19			1974 *
20			1975 *68
			1976 *68
			1977 * SQBC
			1978 *68
			1979 *70CATH
			1980 * AUJSC
			1981 *68
			1982 *78
			1983 * BAT
			1984 *68

G04

01	*SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 7	V09/11/81	12/08/81	21:31	01	*SVAU TCB CHANGE ORG OR DETACH TRANSIENT	
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT					02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
02	0001	264 CSBMMRWR EQU X'01'	MESSAGE REQUEST WITH RECALL OPERATION				02	0023	318 CSBMMRWR EQU X'01'
03	0018	265 CSBDSTB2 EQU CSBDSTB1+1	SNA STATUS BYTE 2				03	0024	319 CSBMMRWR EQU X'01'
04	0080	266 CSBMSNAQ EQU X'80'	QUEUE OF SNA COMMON AREA REQUIRED				04	0025	320 CSBMMRWR EQU X'01'
05	0040	267 CSBMCANC EQU X'40'	CONTROL CANCEL OPTION TAKEN				05	0026	321 CSBMMRWR EQU X'01'
06	0020	268 CSBMDMPT EQU X'20'	DISK ERROR ON DUMP (ABNORMAL TERM)				06	0027	322 CSBMMRWR EQU X'01'
07	0010	269 CSBMDMPT EQU X'10'	NO DUMP TAKEN (ABNORMAL TERM)				07	0028	323 CSBMMRWR EQU X'01'
08	0008	270 CSBMNHLT EQU X'08'	USER RUNNING UNATTENDED				08	0029	324 CSBMMRWR EQU X'01'
09	0010	271 CSBDSLDC EQU CSBDSTB2+2	SDLC TCB ADDRESS				09	002A	325 CSBMMRWR EQU X'01'
10	001F	272 CSBDMCDA EQU CSBDSLDC+2	ADDRESS OF ALLOCATED MICROCODE AREA				10	002B	326 CSBMMRWR EQU X'01'
11	0021	273 CSBDMIC EQU CSBDMCDA+2	MIC # ASSOCIATED WITH MESSAGE REQUEST				11	0000	327 CSBMMRWR EQU X'01'
12	0023	274 CSBDPUBA EQU CSBDMIC+2	PHYSICAL UNIT BLOCK ASSOC WITH LINE				12		
13	0025	275 CSBDRECA EQU CSBDPUBA+2	RECALL ADDRESS ASSOC WITH RECALL USER OPERATION.				13		
14	0025	276 *					14	329	*****
15	0025	277 CSBDSTOB EQU CSBDRECA	SDLC IOB USED FOR ENABLE OPERATION				15	330	*
16	0020	278 CSBDNAME EQU CSBDRECA+8	COMMUNICATION FILE NAME				16	331	*
17	002E	279 CSBDWRKS EQU CSBDNAME+1	START OF SNA WORK AREA				17	332	*
18	0037	280 CSBDWRKE EQU CSBDWRKS+9	END OF SNA WORK AREA				18	333	*
19	0038	281 CSBDMING EQU CSBDWRKE-CSBDECM+2	LENGTH OF SNA CSB				19	334	*****
20	283	*****					20	0050	336 CSBMMRWR EQU X'01'
	284	*						0051	337 CSBMMRWR EQU X'01'
	285	*	BSC ENTRIES					0052	338 CSBMMRWR EQU X'01'
	286	*						0053	339 CSBMMRWR EQU X'01'
	287	*****						0054	340 CSBMMRWR EQU X'01'
	0015	289 CSBDLNDX EQU CSBDMDS+1	LINE INITIALIZATION INDEX FOR BSC					0055	341 CSBMMRWR EQU X'01'
	0016	290 CSBDAT2 EQU CSBDLNDX+1	ATTRIBUTE BYTE 2					0056	342 CSBMMRWR EQU X'01'
	0001	291 CSBMRID EQU X'01'	RECEIVE ID OVERRIDE					0057	343 CSBMMRWR EQU X'01'
	0002	292 CSBMTID EQU X'02'	TRANSMIT ID OVERRIDE					0058	344 CSBMMRWR EQU X'01'
	0004	293 CSBMLTIW EQU X'04'	EXIT FLAG FROM BSLO TO THE WAIT ROUTINE					005A	345 CSBMMRWR EQU X'01'
	0008	294 CSBMLOPT EQU X'08'	EXIT FLAG FROM BSLO TO THE POST ROUTINE					0059	346 CSBMMRWR EQU X'01'
	0010	295 CSBMLOCL EQU X'10'	* EXIT FLAG SET BY BSLO WHEN GOING TO * THE WAIT ROUTINE FROM BSCL					005B	347 CSBMMRWR EQU X'01'
	0020	297 CSBMLTIW EQU X'20'	EXIT FLAG FROM BSCL TO THE WAIT ROUTINE					005C	348 CSBMMRWR EQU X'01'
	0040	298 CSBMLPT EQU X'40'	EXIT FLAG FROM BSCL TO THE POST ROUTINE					005D	349 CSBMMRWR EQU X'01'
	0080	299 CSBMIDAC EQU X'80'	ID AREA ALLOCATED					005E	350 CSBMMRWR EQU X'01'
	0018	300 CSBDIOSZ EQU CSBDAT2+2	SIZE OF BSC I/O AREA					352	*****
	001A	301 CSBDIOA EQU CSBDIOSZ+2	ADDRESS OF BSC I/O AREA / MRJE CCT ADDR					353	*
	001C	302 CSBDTID EQU CSBDIOA+2	* ADDRESS OF SWITCHED TRANSMIT					354	*THE
	303	*	* ID IN BSC I/O AREA					355	*BSC
	0021	304 CSBDLCS EQU CSBDTID+5	DISK ADDRESS FOR BSC LINE INIT. XIENTS					356	*
	306	*****						357	*****
	307	*						00F0	359 CSBMMRWR EQU X'01'
	308	*	THE FOLLOWING ARE USED BY BATCH BSC AS A PARAMETER LIST TO THE					00F1	360 CSBMMRWR EQU X'01'
	309	*	*BSC MESSAGE TRANSIENT (#BSMD). THEY ARE USED WHEN CSBDRTMC=X'02' *					00F2	361 CSBMMRWR EQU X'01'
	310	*						00F3	362 CSBMMRWR EQU X'01'
	311	*****						00F4	363 CSBMMRWR EQU X'01'
	0022	313 CSBDBMS1 EQU CSBDLCS+1	MESSAGE INDEX					00F5	364 CSBMMRWR EQU X'01'
	002C	314 CSBM2222 EQU X'2C'	LAST CSB FLAG USED IN TERMINATION					00F6	365 CSBMMRWR EQU X'01'
	0020	315 CSBM3290 EQU X'20'	OPERATOR ANSWER MSG					00F7	366 CSBMMRWR EQU X'01'
	0021	316 CSBM3295 EQU X'21'	OPERATOR DIAL					00F8	367 CSBMMRWR EQU X'01'
	0022	317 CSBM3210 EQU X'22'	CLOSE ERROR (0,2,3 OPTIONS)					00F9	368 CSBMMRWR EQU X'01'

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01	CROSS-REFERENCE				PAGE 145	V09/11/81	12/08/81	21:28	01
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES			02
03	RLIBRY	C	001	000A	4062				03
04	RLOPEN	C	001	0016	4074				04
05	ROFFLINE	C	001	0027	4091				05
06	ROPEN	C	001	0002	4054				06
07	RPGHIT	C	001	0012	4070				07
08	SCAMDOB3	C	001	00B5	2284				08
09	SCAM2KMS	C	001	000C	1848	1852			09
10	SCACKRST	C	001	0080	2335				10
11	SCACONFG	C	001	002F	1977	1979			11
12	SCACONFG	C	001	0084	2127	2129			12

14	1969	* * * * *							
	1970	*58							
15	1971	* LDDSK	* INUCT	* * ASGQ	* * * * *				
	1972	*****							
	1973	*60							
16	1974	*		TQE					
	1975	*****							
	1976	*68	* * * * *						
17	1977	* SQBCT	* LCKMK	* SSTID	* TSKID	* * PRIQ	* STAT4	* STAT5	*
	1978	*****							
	1979	*70CATM	* * * * *						
18	1980	* ALISCT	* CAT	* MPTMX	* NSCNT	* * CNCNT	* IQCNT	* ARQCT	* STAT6
	1981	*****							
	1982	*78	* * * * *						
19	1983	* BAT	* SUSPS	* SMFPT	* * * * *	* * TWAST	* X		
	1984	*****							

14	0004	2022	TCBWAIT	E
	0002	2023	TCBWAIT	E
15	0001	2024	TCBWAIT	E
	0003	2026	TCBMSK2	E
16	0080	2028	TCBPTWAT	E
	0040	2029	TCBLINWAT	E
17	0020	2030	TCBOKTWT	E
	0010	2031	TCBDSKWT	E
	0008	2032	TCBDEWAT	E
18	0004	2033	TCBICWAT	E
	0002	2034	TCBASWAT	E
		2035	*	
19	0004	2037	TCBSTAT3	E
20	0080	2039	TCBTERM	E

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02	0023	318	CSBM3211	EQU	X'23'	IBM ATTACHMENT ERROR
	0024	319	CSBM3212	EQU	X'24'	IBM MODEM FAILURE
03	0025	320	CSBM3213	EQU	X'25'	IBM EQUIPMENT TEST OK
	0026	321	CSBM321X	EQU	X'26'	3210 MSG WITH 2 AND 3 OPTIONS
	0027	322	CSBM3299	EQU	X'27'	BSC TASK ABORT
04	0028	323	CSBM3214	EQU	X'28'	SET SWITCH FOR JAPANESE MODEM
	0029	324	CSBM321Y	EQU	X'29'	3210 MSG WITH NO OPTIONS
	002A	325	CSBM3209	EQU	X'2A'	3209 WITH 3 OPTION
05	002B	326	CSBM32X9	EQU	X'2B'	3209 MSG WITH 2 AND 3 OPTIONS
	0000	327	CSBM9999	EQU	X'00'	***DEBUGGING AID*****
06	329	*****				
	330	*				
	331	*				THE FOLLOWING EQUATES ARE USED IN #BSOB AND #BSOP THE TWO
	332	*				BSC OPEN TRANSIENTS.
	333	*				
	334	*****				
08	0050	336	CSBM3275	EQU	X'50'	INVALID RECORD SEPARATOR REQUEST
	0051	337	CSBM3280	EQU	X'51'	INVALID CONVERSATIONAL REQUEST
09	0052	338	CSBM3285	EQU	X'52'	INVALID TRANSPARENT ITB REQUEST
	0053	339	CSBM3287	EQU	X'53'	BLOCK OR RECORD LENGTH OF ZERO
	0054	340	CSBM3288	EQU	X'54'	UNABLE TO ALLOCATE BUFFER SPACE
10	0055	341	CSBM3301	EQU	X'55'	BUFFER SIZE EXCEEDS 4,096K
	0056	342	CSBM3302	EQU	X'56'	INVALID 3740 REQUEST
	0057	343	CSBM3303	EQU	X'57'	INVALID BLANK COMPRESSION REQUEST
	0058	344	CSBM3304	EQU	X'58'	INVALID BLANK TRUNCATION REQUEST
11	005A	345	CSBM3289	EQU	X'5A'	3740 MODE ON MULTIPOINT LINE
	0059	346	CSBM3260	EQU	X'59'	SWITCHTYPE NOT SPECIFIED
	005B	347	CSBM1790	EQU	X'5B'	FLAG FOR RETURN TO BSOB LABEL BSO01790
12	005C	348	CSBM0020	EQU	X'5C'	FLAG FOR RETURN TO BSOB LABEL BSO00020
	005D	349	CSBM3286	EQU	X'5D'	X.21 TASK NOT LOADED, SWITCHED LINE @@478
	005E	350	CSBM3282	EQU	X'5E'	COMPR OR TRUNC WITH VARIABLE RECORDS
13	352	*****				
	353	*				
14	354	*				THE FOLLOWING ARE USED BY MRJE BSC AS A PARAMETER LIST TO THE
	355	*				*BSC MESSAGE TRANSIENT (#BSMD). THEY ARE USED WHEN CSBORTMC=X'02'
	356	*				
	357	*****				
16	00F0	359	CSBM4691	EQU	X'F0'	MASK FOR ANY MRJE MSG.
	00F1	360	CSBM4691	EQU	X'F1'	OPERATOR DIAL REQUIRED
	00F2	361	CSBM4692	EQU	X'F2'	NO CONNECTION; MANUAL DIAL
17	00F3	362	CSBM4693	EQU	X'F3'	BSC UNIT CHECK ON ENQ
	00F4	363	CSBM4694	EQU	X'F4'	NO CONNECTION NON-SWITCHED LINE
	00F5	364	CSBM4695	EQU	X'F5'	TEMPORARY MILCA PROC CHK
18	00F6	365	CSBM4696	EQU	X'F6'	PERMANENT MILCA PROC CHK
	00F7	366	CSBM4697	EQU	X'F7'	NO CONNECTION; AUTOCALL (4692 W/ 2 OPT)
	00F8	367	CSBM4697	EQU	X'F8'	OPERATOR ANSWER REQUIRED
19	00F9	368	CSBM4689	EQU	X'F9'	AUTOCALL TASK NOT ACTIVE ON SYSTEM
	00FA	369	CSBM4690	EQU	X'FA'	X.21 TASK NOT ACTIVE ON SYSTEM
	00FB	370	CSBM4698	EQU	X'FB'	CALL ATTEMPT WITH INVALID PHONE LIST
20	00FC	371	CSBM4699	EQU	X'FC'	PHONE PARAMETER ON INVALID LINE TYPE

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	0023	373	CSBDCMFI		
	0026	374	CSBDRSRV		
03	0027	375	CSBDRPRM		
	0080	376	CSBDRPEI		
04	0040	377	CSBDRTRY		
	0020	378	CSBDRVAL		
05	0010	379	CSBDRVAL		
	0001	380	CSBDRPRT		
06	0028	381	CSBDRNAM		
	0020	382	CSBDRIDG		
	383	*			
07	002E	384	CSBDRQDR		
	002F	385	CSBDRDEF		
08	0030	386	CSBDRLANP		
	0032	387	CSBDRIOBA		
	0033	388	CSBDRIRIS		
09	0035	389	CSBDRPLB		
	0037	390	CSBDRMOR		
	0036	391	CSBDRAT4		
10	0080	392	CSBDRGAC		
	0040	393	CSBDRWFS		
	0020	394	CSBDRCTPT		
11	0010	395	CSBDRPCL		
	0004	396	CSBDRINFO		
	0038	397	CSBDRLAN		
12	399	***	END		

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCAMJDB3	C	001	00B5	2284	
SCAMZKMS	C	001	000C	1848	1852
SCACKRST	C	001	0080	2335	

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCADMTUB	C	001	00B8	2132	2134
SCADMTUB	C	001	006D	2068	2069
SCADPIND	C	001	0010	1887	1891

Line	Address	Object Code	Source Statement	Description
14	2020 *		A RESOURCE ENQUEUE FAILURE.	ANY GENERAL WAIT WITH BOTH MASK BYTES ALL ZERO IS
	0004 2022	TCBWAIT EQU X'04'	. DISK RESOURCE FAILURE	
	0002 2023	TCBWAIT EQU X'02'	. DISK SECTOR ENQUEUE FAILURE	
	0001 2024	TCBWAIT EQU X'01'	. WORKSTATION RELEASE WAIT	
15	0003 2026	TCBWMASK EQU TCBWMASK+1	SECOND WAIT MASK	
16	0080 2028	TCBPTRWT EQU X'80'	. PRINTER ALLOCATE FAILURE	
	0040 2029	TCBLINWT EQU X'40'	. COMM. LINE ALLOCATE FAILURE	
	0020 2030	TCBOKTWT EQU X'20'	. DISKETTE ALLOCATE FAILURE	
17	0010 2031	TCBDSKWT EQU X'10'	. DISK SPACE ALLOCATION FAILURE	
	0008 2032	TCBDEVWT EQU X'08'	. OTHER DEVICES ALLOCATION FAILURE	
	0004 2033	TCBCKWT EQU X'04'	. ICS TRANSIENT WAITOR	
18	0002 2034	TCBASRWT EQU X'02'	. ASSIGN RECOVERY FORCED WAITER	
	2035 *	EQU X'01'	. RESERVED	
19	0004 2037	TCBSTAT3 EQU TCBWMASK+1	TCB STATUS BYTE 3	
20	0080 2039	TCBTERM EQU X'80'	. TASK IS IN TERMINATION	

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Line	Address	Object Code	Source Statement	Description
01	#SVAL TCB CHANGE ORG OR DETACH TRANSIENT			
02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT			
03	0023 373	CSBDCNFG EQU CSBDBMSI+1	CNFG BYTE USED BY #BSCL	
04	0026 374	CSBDRSRV EQU CSBDCNFG+3	** RESERVED **	
	0027 375	CSBDPRM1 EQU CSBDRSRV+1	BSC MESSAGE PARAM	
	0080 376	CSBMPPEI EQU X'80'	PERM ERROR INDICATOR FOR BSC	
05	0040 377	CSBMRTRY EQU X'40'	RETRY OPERATION TAKEN TO HALT	
	0020 378	CSBMHALT EQU X'20'	THIS MESSAGE DISPLAYED WITH HALT	
	0010 379	CSBMWAIT EQU X'10'	MSG XIENT CALLED FROM BSC WAIT	
06	0001 380	CSBMORTY EQU X'01'	ASSIGN RETRY WITH WAIT SPECIFIED #BSOP	
	0028 381	CSBDNAM1 EQU CSBDPRM1+4	MODULE THAT WANTS MESSAGE DISPLAYED	
	0020 382	CSBDRID@ EQU CSBDNAM+2	* ADDRESS OF SWITCHED RECEIVE	
	383 *		* ID IN BSC I/O AREA	
07	002E 384	CSBQHDR EQU CSBDRID@+1	* IOB QHDR AND LINE DEF.	
	002F 385	CSBLDEF EQU CSBQHDR+1	* BYTES SAVED BY #BSOB	
08	0030 386	CSBDLNUM EQU CSBLDEF+1	SAVE AREA OF THE EBCDIC LINE NUMBER	
	0032 387	CSBDIOB@ EQU CSBDLNUM+2	IOB POINTER USED BY #BSER	
	0033 388	CSBDIRS EQU CSBDIOB@+1	FLAG BYTE TO BYPASS MESSAGE FOR IRSS	
09	0035 389	CSBDPL@ EQU CSBDIRS+2	POINTER TO PHONE LIST	
	0037 390	CSBDWORK EQU CSBDPL@+2	WORK AREA FOR #BSOB	
	0036 391	CSBDAT4 EQU CSBDPL@+1	ATTRIBUTE BYTE FOR AUTOCALL	
10	0080 392	CSBMGCAC EQU X'80'	AUTOCALL TASK HAS BEEN POSTED	
	0040 393	CSBMMSG EQU X'40'	SET PEI BUT DISPLAY NO MSG	
	0020 394	CSBMCPT EQU X'20'	EXIT FLAG FROM BSC2 TO POST	
11	0010 395	CSBMATCL EQU X'10'	USING AUTOCALL ON THIS LINE	
	0004 396	CSBMINFO EQU X'04'	MRJE INFORM ONLY MESSAGE	
	0038 397	CSBDLNG EQU CSBDWORK+1	LENGTH OF CSB FOR BSC AND MRJE	
12	399	***	END OF EXPANSION **	

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Line	Symbol	T	LEN	VALUE	DEFN	REFERENCES
02	SCADPMT	C	001	0088	2132	2134
03	SCADPMT	C	001	0060	2068	2068

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Line	Symbol	T	LEN	VALUE	DEFN	REFERENCES
02	SCADKSMC	C	001	0003	1830	
03	SCADKTRA	C	001	0028	2088	

13	00F0 2072 TCBPRICE EQU X'F0'	MLCA CONTROLLER CHECK ERROR ROUTINE	0021 2126
	00FB 2073 TCBPRSHF EQU X'FB'	SDF PRIORITY	004F 2127
	00F1 2074 TCBPRDDF EQU X'F1'	SOURCE DDF PRIORITY "KEEP UNIQUE"	0051 2128
	0000 2075 TCBPRSDT EQU X'00'	SDF WAIT TASK PRIORITY	0053 2129
14	00E0 2076 TCBPRUDH EQU X'E0'	USER DEFINED HIGH PRIORITY	0055 2130
	00D1 2077 TCBPRUDM EQU X'D1'	MEDIUM PRIORITY	0057 2131
	2078 * USE TCBPRUDM FOR THE SMCPRIQ (CHAP) SVC. IN THE TCB, THE VALUE IN		0057 2132
	2079 * TCBPRUDM WILL BE TCBPRUDM AND BIT TCBUDMPR WILL BE SET IN TCBBAT.		005A 2133
15	00D0 2080 TCBPRCNV EQU X'D0'	CONVERSATIONAL PRIORITY	0059 2134
	00C0 2081 TCBPRBCH EQU X'CD'	BATCH PRIORITY	005B 2135
16	2082 * NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRCNV DYNAMICALLY		005D 2136
	2083 * CHANGED TO/FROM TCBPRBCH BY THE SYSTEM SUPERVISOR.		005F 2137
	00B0 2084 TCBPRUDL EQU X'BD'	LOW PRIORITY	005F 2138
17	0006 2086 TCBTIME EQU TCBPRUDL+1	TASK RESIDUAL TIME INTERVAL	0067 2139
	0007 2088 TCBQCNT EQU TCBTIME+1	QUIESCE COUNTER	0068 2140
18	0009 2089 TCBQPLQ EQU TCBQCNT+2	TASK EVENT CONTROL QUEUE HEADER	0069 2141
	2090 *AAAAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAAA		0080 2142
19	0008 2092 TCBPUSH EQU TCBQPLQ+2	PUSH ELEMENT Q-HEADER	0040 2143
20	000D 2093 TCBCHAIN EQU TCBPUSH+2	SYSTEM EXISTENCE QUEUE CHAINING FIELD	0020 2144
			0010 2145
			0008 2146
			0004 2147

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
01					
02	401 *		ECM		00580000
	0000 402 ECMPARM EQU 0			PARM BYTE OFFSET	
03	0080 403 ECMSKIP EQU X'80'			DO NOT SKIP ON MULT. WAIT INDICATOR	
	0040 404 ECMREAL EQU X'40'			DATA ADDRESS IN JOB IS REAL INDICATOR	
	0020 405 ECMTTC EQU X'20'			TASK-TASK COMMUNICATIONS INDICATOR	
04	0021 406 ECMIOERR EQU X'21'			I/O ERROR INDICATOR	
	0022 407 ECMINQ EQU X'22'			INQUIRY INDICATOR	
	0023 408 ECMTRM EQU X'23'			JOBQ DETACH INDICATOR	
05	0024 409 ECMTIMER EQU X'24'			TIMER ECM INDICATOR	0000 43
	0025 410 ECMPOCL EQU X'25'			OCL COMMAND INDICATOR	005C 43
	0026 411 ECMTAS EQU X'26'			TEST AND SET INDICATOR	
06	0027 412 ECMCSB EQU X'27'			CSB TRANSFER INDICATOR	0008 43
	0028 413 ECMSYSLG EQU X'28'			SYSLOG INDICATOR	0001 44
	0001 414 ECMMASK EQU 1			ECM - EVENT CONTROL MASK OFFSET	44
07	0080 415 ECMACTV EQU X'80'			. EVENT ACTIVE	000B 44
	0040 416 ECMCNPL EQU X'40'			. ECB COMPLETE	0001 44
	417 *			. RESERVED	
08	0010 418 ECMLOCK EQU X'10'			. LOCK BIT	000B 44
	419 *			*	
	420 *			* COMPLETION CODE	000C 44
09	421 *			*	0080 44
	422 *			*	0040 44
	0003 423 ECMGW EQU 3			ECM - GENERAL WAIT MASK FIELD	0020 45
10	0080 424 PREEMPT EQU X'80'			. DO NOT PREEMPT BIT	0010 45
	0040 425 PLIFO EQU X'40'			. LIFO QUEUE REQUEST	0008 45
	426 *** END OF EXPANSION **				0004 45
11					0002 45
					0001 45
12					0000 45
13					45
					46
					46
14					0080 46
					0040 46
					0010 46
15					46
					0008 46
					46
16					47
					47
17					47
					0080 47
18					47
					0080 47
					47
19					0020 48
20					0004 48

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
02				

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
02				

17	005F 2137 TCBEEXIT EQU	TCBASGNQ+2	ASYNCHRONOUS EXIT ADDRESS.	17	0010 219
	0067 2139 TCBTQE EQU	TCBEXIT+8	CP ASSIGN FAILURE INDICATOR BYTES		0008 219
	0068 2140 TCBSQBCT EQU	TCBTQE+1	TIMER QUEUE ELEMENT.		0004 219
18	0069 2141 TCBLCKMK EQU	TCBSQBCT+1	COUNT OF SECTOR QUEUE REQUESTS		0002 219
	0080 2142 TCBLCKDI EQU	X'80'	COUNT OF LOCK REQUESTS	18	0001 219
	0040 2143 TCBLCKSI EQU	X'40'	INTERLOCK FOR DEDICATION		
19	0020 2144 TCBLCKVI EQU	X'20'	INTERLOCK FOR SCHEDULER		006F 219
	0010 2145 TCBLCK5I EQU	X'10'	INTERLOCK FOR VTOC	19	0080 220
	0008 2146 TCBLCKPI EQU	X'08'	INTERLOCK FOR FORMAT 5		0040 220
20	0004 2147 TCBLCKHI EQU	X'04'	INTERLOCK FOR PROC NAME		
			INTERLOCK FOR HISTORY FILE	20	

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 11 V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE
01				01	
02	00580000	428 *	FIEQU	02	0002
03		430	*****	03	
		431 *			
		432 *	DISK FORMAT-1		
		433 *			0001
04		434	*****	04	000F
05		0000 436 FIADDFLG EQU	0 LATEST DATE INDICATOR	05	0010
		005C 437 FIAMLST EQU	C'*' FILE HAS LATEST DATE FOR THIS LABEL		0080
06		0008 439 FIADLABL EQU	FIADDFLG+8 FILE LABEL	06	0012
		0001 440 FIAMSYSF EQU	X'01' 'SYSTEM FILES' MUST HAVE A LABEL WHICH		0012
		441 *	BEGINS WITH X'01'		
07		000B 443 FIADDATE EQU	FIADLABL+3 CREATION DATE	07	0011
08		000B 445 FIADSDIR EQU	FIADDATE LIBRARY - START OF DIRECTORY	08	0012
09		000C 447 FIADTYPE EQU	FIADDATE+1 FILE TYPE	09	0015
		0080 448 FIAMINDX EQU	X'80' BIT ON = INDEXED FILE		
		0040 449 FIAMCONS EQU	X'40' BIT ON = CONSECUTIVE FILE		0015
		0020 450 FIAMDIRC EQU	X'20' BIT ON = DIRECT FILE		
10		0010 451 FIAMROFL EQU	X'10' BIT ON = I1 UNIT, BIT OFF = F1 UNIT	10	0015
		0008 452 FIAMPERM EQU	X'08' BIT ON = PERMANENT FILE ('P')		
		0004 453 FIAMTEMP EQU	X'04' BIT ON = TEMPORARY FILE ('T')		
11		0002 454 FIAMJOBR EQU	X'02' BIT ON = JOB FILE ('J')	11	0018
		0001 455 FIAMSCRT EQU	X'01' BIT ON = SCRATCH FILE ('S')		0018
12		000D 457 FIADSFGL EQU	FIADTYPE+1 FLAG BYTE	12	001D
13		459	*****	13	
		460 *	THE FOLLOWING FOUR BIT MASKS ARE VALID ONLY IF 'FIAMINDX' IS ON *		
		461	*****		
14		0080 463 FIAMSORT EQU	X'80' BIT ON = SORT KEYS	14	
		0040 464 FIAMIRGE EQU	X'40' BIT ON = MERGE KEYS		
		0010 465 FIAMDPCX EQU	X'10' BIT ON = UNORDERED LOAD		
		466 *	(CHECK DUPLICATE KEYS)		
15		0008 467 FIAMXNFG EQU	X'08' BIT ON = INVALID INDEX	15	
		468 *	(KEYSORT MAYBE IN PROCESS)		
16		470	*****	16	
		471 *	THE FOLLOWING BIT MASKS FOR X'80' ARE VALID ONLY IF 'FIAMINDX' IS *		
		472 *	OFF *		
17		473	*****	17	
18		0080 475 FIAMSCMD EQU	X'80' SECTOR MODE LIBRARIAN FILE	18	0010
		476 *	(IF 'FIAMIBFL' IS ON)		
		0080 477 FIAMISCLB EQU	X'80' SECURE LIBRARY		0020
		478 *	(IF FIADRECL = X'0000')		0030
19		0020 480 FIAMNEW EQU	X'20' BIT ON = NEW FILE	19	0040
20		0004 481 FIAMSPAL EQU	X'04' SPINDLE AT REQUESTED ORIGINALLY	20	0070

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 149 V09/11/81 12/08/81 21:28		#SVAU TCB CHANGE ORG OR DETACH	
SYMBOL	T LEN	VALUE	DEFN	SYMBOL	T LEN
CROSS-REFERENCE					
02			REFERENCES	02	
03	SCAMDSI2	C 001 0001	1869	03	SCAMMLCA C 001 0080 2155
	SCAMDSKS	C 001 0081	1868		SCAMIRJE C 001 0040 1925
	SCAMDUAL	C 001 0080	1857		SCAMISBL C 001 0008 2088
04	SCAMEDDM	C 001 0001	2342	04	SCAMDDDD C 001 0001 2330
	SCAMEJCT	C 001 0004	2027		SCAMOTTO C 001 0001 1930
	SCAMERP	C 001 0001	2081		SCAMPIE C 001 0002 1939
05	SCAMFAIL	C 001 0010	2148	05	SCAMPOVK C 001 0040 2146
	SCAMFLOC	C 001 0010	2224		SCAMREP C 001 0001 2029
	SCAMFORX	C 001 0020	2147		SCAMPRT L 001 00E0 2018
	SCAMFUND	C 001 0004	2328	06	SCAMPRI0 C 001 0001 2366
06	SCAMMALC	C 001 0020	2222		SCAMPRT0 C 001 0002 2365

16	0040 2189 TCBATTCH EQU X'40'	ATTACH YES
	0020 2190 TCBSYSTEM EQU X'20'	SYSTEM TASK - NOT SUSPENDABLE
	0010 2191 TCBABTRM EQU X'10'	TASK IS IN ABNORMAL TERMINATION
17	0008 2192 TCB22RCS EQU X'08'	RECURSIVE TERMINATION DUE TO SVC 22
	0004 2193 TCBCLNPD EQU X'04'	CANCEL PENDING
	0004 2194 TCBTWAQL EQU X'04'	C.P. CALLED FOR TWA RECOVERY
18	0002 2195 TCBDMPT EQU X'02'	ERROR ON DUMP - PARTIAL DUMP TAKEN
	0001 2196 TCBDMPPD EQU X'01'	DUMP PENDING ON CANCEL
19	006F 2198 TCBSTAT5 EQU TCBSTAT4+1	STATUS BYTE 5
	0080 2200 TCBTHBIT EQU X'80'	TASK HAS BEEN IN TERMINATION
20	0040 2201 TCBCLN2PD EQU X'40'	2 OPTION CANCEL PENDING

16	007A 2244 TCB...
17	2246 * SEE
18	007C 2248 TCB...
	2249 * THE
	2250 * BYTE
	2251 * A SH
19	0080 2252 TCB...
	2253 *
20	007D 2255 TCBX

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 12 V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
00600000	0002 482 FIAMSPA2 EQU X'02' SPINDLE A2 REQUESTED ORIGINALLY
	484 * IF BOTH OF THE PREVIOUS TWO BITS ARE OFF, THEN NO ORIGINAL SPINDLE
	485 * PREFERENCE WAS SPECIFIED
	0001 487 FIAMLBFL EQU X'01' BIT ON = LIBRARIAN FILE
	000F 489 FIADRECL EQU FIADFLG+2 RECORD LENGTH
	0010 491 FIADHIGH EQU FIADRECL+1 HIGH ORDER BYTE OF BLOCKS/RECORDS FIELD
	0080 492 FIAMBLRN EQU X'8C' BIT ON = FILE ALLOCATED WITH BLOCKS,
	493 * BIT OFF = FILE ALLOCATED WITH RECORDS
	0012 494 FIADBLKN EQU FIADRECL+3 BLOCKS USED TO ALLOCATE THE FILE
	0012 495 FIADRECN EQU FIADRECL+3 RECORDS USED TO ALLOCATE THE FILE
	0011 497 FIADLBOW EQU FIADRECL+2 LIBRARY - OWNER QUEUE POINTER
	0012 499 FIADLBUS EQU FIADLBOW+1 LIBRARY - COUNT OF CURRENT USERS
	0015 501 FIADLSTR EQU FIADRECN+3 RELATIVE RECORD NUMBER OF NEXT RECORD
	0015 503 FIADSMEM EQU FIADLSTR LIBRARY - START OF MEMBERS
	0015 505 FIADRFST EQU FIADLSTR START SSS OF RESERVED AREA FREE SPACE
	506 * (3 BYTES)
	0018 508 FIADSTDA EQU FIADLSTR+3 SSS OF START OF DATA
	001B 510 FIADENDA EQU FIADSTDA+3 SSS OF END OF EXTENT
	001D 512 FIADVTOC EQU FIADENDA+2 RELATIVE S/D OF VTOC ENTRY
	514 * ----- @a419
	515 * @a419
	516 * RE-DEFINITION OF 'FIADVTOC' FOR RELEASE 8 @a419
	517 * @a419
	518 * BYTE 0 1 @a419
	519 * @a419
	520 * BIT 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 @a419
	521 * '-----' @a419
	522 *RESERVED = 0 @a419
	523 *OFFSET = X X X @a419
	524 *RESERVED = 0 @a419
	525 *SECTOR NUMBER = Y Y Y Y Y Y Y Y Y @a419
	526 * @a419
	527 * WHERE 'XXX' IS DEFINED BELOW: @a419
	528 * @a419
	529 * VVV @a419
	0010 530 FIAMV1ST EQU B'00010000' FIRST FORMAT-1 IN SECTOR @a419
	531 * (ALSO INCREMENTS OFFSET) @a613
	0020 532 FIAMV2ND EQU B'00100000' SECOND FORMAT-1 IN SECTOR @a419
	0030 533 FIAMV3RD EQU B'00110000' THIRD FORMAT-1 IN SECTOR @a419
	0040 534 FIAMV4TH EQU B'01000000' FOURTH FORMAT-1 IN SECTOR @a419
	0070 535 FIAMVALL EQU B'01110000' CLEARS OFFSET @a419

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
	001E 537 FIAD...
	539 ****
	540 *
	541 *
	542 *
	543 *
	544 ****
	001F 546 FIAD...
	0020 548 FIAD...
	0080 549 FIAD...
	0021 551 FIAD...
	0022 553 FIAD...
	0080 554 FIAM...
	0040 555 FIAM...
	0020 556 FIAM...
	557 *
	0010 558 FIAM...
	559 *
	0008 560 FIAM...
	561 *
	0004 562 FIAM...
	563 *
	0002 564 FIAM...
	0001 565 FIAM...
	566 *
	0023 568 FIAD...
	569 *
	570 *
	0080 571 FIAM...
	0040 572 FIAM...
	0020 573 FIAM...
	0010 574 FIAM...
	0008 575 FIAM...
	0025 577 FIAD...
	0027 578 FIAD...
	0027 580 FIAD...
	581 *
	583 ****
	584 *
	585 *
	586 *
	587 *

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CROSS-REFERENCE	PAGE 150 V09/11/81 12/08/81 21:28
SYMBOL	T LEN VALUE DEFN REFERENCES
SCAMMLCA	C 001 0080 2155
SCAMMRJE	C 001 0040 1925
SCAMMSBL	C 001 0008 2088
SCAMODDD	C 001 0001 2330
SCAMOTTO	C 001 0001 1930
SCAMPIE	C 001 0002 1939
SCAMPOVK	C 001 0040 2146
SCAMPREP	C 001 0001 2029
SCAMPRT	L 001 00E0 2018

SYMBOL	T LEN VALUE DEFN REFERENCES
SCAMVHLD	C 001 0080 2291
SCAMVDMR	C 001 0004 1915
SCAMVDMX	C 001 0008 1914
SCAMVSCB	C 001 0040 2156
SCAMVSE	C 001 0010 2077
SCAMVTC	C 001 0004 2037
SCAMVTRA	C 001 0080 2099
SCAMVZ1	C 001 0001 2378
SCAMVZ15	C 001 0002 2329

15	0002 2241 TCBSOTAC EQU X'02'	TASK SUSPENDED DUE TO ADDRESS COMPARE
16	007A 2244 TCBWAFLE EQU TCBSUSPS+1	WSWA INITIALIZATION STATUS.
17	2246 *	SEE TUB MACRO (BYTE TUBWAFLE) FOR BIT DEFINITIONS WITHIN TCBWAFLE.
18	007C 2248 TCBSMFPT EQU TCBWAFLE+2	SMF POINTER
19	2249 *	THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH
20	2250 *	BYTE OF THE SMF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS
	2251 *	A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD.
	0080 2252 TCBSMFON EQU X'80'	SMF HAS PROCESSED THIS TCB
	2253 *	
	007D 2255 TCBX EQU TCBSMFPT+1	AMOUNT OF TASK SWAPPED OUT

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12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 13 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
01			01
02			02
03	001E 537 F1ALIVTA EQU F1ADVTOC+1	LENGTH OF THE FIRST VTOC AREA	03
04	539 *****		04
05	540 *		05
06	541 *	THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1	06
07	542 *	(EXCEPT WHERE NOTED OTHERWISE)	07
08	543 *		08
09	544 *****		09
10	001F 546 F1ADFCHN EQU F1ADVTOC+2	FORWARD CHAIN POINTER	10
11	0020 548 F1ADATT1 EQU F1ADFCHN+1	ATTRIBUTE BYTE ONE	11
12	0080 549 F1AMXTND EQU X'80'	EXTEND CAPABLE FILE	12
13	0021 551 F1ADCONT EQU F1ADATT1+1	COUNT OF CURRENT USERS	13
14	0022 553 F1ADATTR EQU F1ADCONT+1	ATTRIBUTE BYTE THREE	14
15	0080 554 F1AMOTAD EQU X'80'	BIT ON = FILE OPENED AS OUTPUT OR ADD	15
16	0040 555 F1AMCKBPR EQU X'40'	BIT ON = KEY BUCKET HAS BEEN PRIMED	16
17	0020 556 F1AMINFR EQU X'20'	BIT ON = INDEXED PORTION OF F1 HAS BEEN	17
18	557 *	FREED BY ALLOCATE	18
19	0010 558 F1AMHKAS EQU X'10'	BIT ON = HIGH KEY BUCKET ASSIGNED	19
20	559 *	(NOT TO BE USED BY TERMINATION)	20
	0008 560 F1AMNREC EQU X'08'	BIT ON = NON-FORMATTED FILE	
	561 *	(VALID IN THE VTOC)	
	0004 562 F1AMDNFG EQU X'04'	BIT ON = INVALID DATA AREA	
	563 *	(VALID IN THE VTOC)	
	0002 564 F1AMRFIL EQU X'02'	BIT ON = FILE ALLOCATED IN RESERVE AREA	
	0001 565 F1AMOLMV EQU X'01'	BIT ON = OFF-LINE MULTI-VOLUME FILE	
	566 *	(VALID IN THE VTOC)	
	0023 568 F1ADATT2 EQU F1ADATTR+1	ATTRIBUTE BYTE TWO - THIS BYTE IS	
	569 *	SUPPORTED IN BOTH THE AFA AND THE VTOC	
	570 *	EXCEPT FOR A LIBRARY FORMAT-1	
	0080 571 F1AMSCFL EQU X'80'	SECURE FILE	
	0040 572 F1AMCKPT EQU X'40'	CHECKPOINT ACTIVE FILE	
	0020 573 F1AMDLC EQU X'20'	DELETE CAPABLE FILE	
	0010 574 F1AMIFIL EQU X'10'	IMMEDIATE ACCESS FILE (IFILE)	
	0008 575 F1AMGASK EQU X'08'	IFILE GAPS ADDED SINCE LAST KEYSORT	
	0025 577 F1ADOWNR EQU F1ADATT2+2	OWNER QUEUE POINTER	
	0027 578 F1ADEDQ EQU F1ADOWNR+2	EDF QUEUE POINTER	
	0027 580 F1ADRFED EQU F1ADEDQ	END SSS OF RESERVED AREA FREE SPACE	
	581 *	(3 BYTES)	
	583 *****		
	584 *		
	585 *	THE FOLLOWING FIELDS ARE ONLY SUPPORTED FOR INDEXED FILES	
	586 *		
	587 *	NOTE: THIS AREA MUST BEGIN ON AN 8 BYTE BOUNDARY BECAUSE IT IS *	

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12/08/81 21:28	CROSS-REFERENCE	PAGE 151 V09/11/81 12/08/81 21:28
SYMBOL	T LEN VALUE DEFN	REFERENCES
SCAMVHLD C 001 0080 2291		
SCAMDOWNR C 001 0004 1915		
SCAMDMX C 001 0008 1914		
SCAMWSCB C 001 0040 2156		
SCAMWSE C 001 0010 2077		
SCAMWTC C 001 0004 2037		
SCAMXTRA C 001 0080 2099		

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18		18	230
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20		20	230

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01	#SVALU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 14	V09/11/81 12/08/81 21:31
02	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		588 *	FREED BY ALLOCATE FOR NON-INDEXED FILES *
		589 *	*
03		590	*****
04	0028	592	F1ADKEYL EQU F1ADEFQ+1 KEY LENGTH
04	002A	594	F1ADKEYO EQU F1ADKEYL+2 KEY LOCATION
05	002E	596	F1ADLSTK EQU F1ADKEYO+4 SSS/D OF NEXT KEY
05	0031	598	F1ADSTIX EQU F1ADLSTK+3 SSS OF START OF INDEX
06	0035	600	F1ADLSTP EQU F1ADSTIX+4 SSS/D OF LAST PRIME KEY
06	0039	602	F1ADHOKY EQU F1ADLSTP+4 SSS/D OF HIGHEST KEY IN OVERFLOW AREA
07	0012	604	F1ALZVTA EQU F1ADHOKY-F1ADEFQ LENGTH OF THE SECOND VTOC AREA
08		606	*****
		607 *	*
09		608 *	THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1 *
		609 *	FOR INDEXED FILES *
		610 *	*
		611	*****
10	003B	613	F1ADKBKT EQU F1ADHOKY+2 KEY BUCKET POINTER
11	003D	615	F1ADPCBQ EQU F1ADKBKT+2 FILE POSITION CONTROL BLOCK POINTER
	003F	616	F1ADRES3 EQU F1ADPCBQ+2 RESERVED FOR FUTURE USE
12	0028	618	F1ALLGCD EQU F1ADEFQ+1 LENGTH OF A FORMAT-1 FOR CONSECUTIVE AND
		619 *	DIRECT FILES (40)
13	0040	621	F1ALLGIN EQU F1ADRES3+1 LENGTH OF AN F1 FOR INDEXED FILES (64)
14	0020	623	F1ALLGLB EQU F1ADFCHN+1 LENGTH OF A LIBRARY FORMAT-1 (32)
15		625	*****
		626	*****
16		627 **	THE FOLLOWING LABELS ARE USED BY \$PACK TO INDICATE THAT A SYSTEM **
		628 **	FAILURE OR PERMANENT I/O ERROR OCCURRED BEFORE \$PACK HAD COMP- **
		629 **	LETELY MOVED THE FILE, WHERE PART OF THE FILE MAY HAVE BEEN **
		630 **	OVERLAYED DURING THE MOVE OPERATION. **
		631 **	**
17		632 **	IF \$PACK IS ABLE TO MOVE THE FILE SUCCESSFULLY, THESE FIELDS ARE **
		633 **	SET TO ZERO. **
		634 **	**
18		635 **	THE VALUES STORED IN THIS AREA ALLOW \$PACK TO RESTART WITHOUT **
		636 **	LOSING ANY DATA IF THE ABOVE ERROR(S) SHOULD OCCUR DURING **
		637 **	EXECUTION. **
19		638	*****
		639	*****
20			

#SVALU TCB CHANGE ORG OR DETACH	
ERR LOC OBJECT CODE	ADDR S
02	001E
03	00FF
04	0021
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01		PAGE 152	V09/11/81 12/08/81 21:28
02	CROSS-REFERENCE		
03	SYMBOL	T LEN VALUE	DEFN REFERENCES
	SCA2KOK	C 001 0000	1842
	SCA2SPIN	C 001 0080	1858
	SCA3SPIN	C 001 0020	1859
	SCA4SPIN	C 001 0010	1860
04	SC000100	A 003 0870	4239

01	
02	SYMBOL T LEN VALUE DEFN
03	SUBABTRM C 001 0001 3662
	SUBAPRNT C 001 003E 3676
	SUBASGN C 001 001E 3614
	SUBASGNL C 001 000A 3557
04	SUBATTR1 C 001 0035 3628

2303 *****
 2304 * 58 * 59 5A * 5B * 5F *
 2305 * ATTRB * TUBDGTUB * ATTRC * RESERVED *
 2306 *****

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	001E	641	F1FLAG	EQU	F1ADVTOC+1
		642	*		
					1-BYTE FLAG INDICATING THAT RESTART OF \$PACK IS REQUIRED FOR THIS FILE.
03	00FF	643	F1RESTR	EQU	X'FF'
		644	*		
					SWITCH VALUE THAT IS PLACED IN F1FLAG IF RESTART IS NECESSARY.
04	0021	645	F1SSTR	EQU	F1FLAG+3
		646	*		
					POINTS TO START SSS OF DATA THAT HAS BEEN MOVED BY \$PACK.
04	0027	647	F1SEND	EQU	F1ADEDQ
		648	*		
					POINTS TO END SSS OF DATA THAT HAS BEEN MOVED BY \$PACK.
05		650	***		END OF EXPANSION **

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
CROSS-REFERENCE					
02					
03	SUBABTRM	C	001	0001	3662
	SUBAPRINT	C	001	003E	3676 3677
	SUBASGN	C	001	001E	3614
	SUBASGNL	C	001	000A	3557 3558
04	SUBATTR1	C	001	0035	3628
	SUBATTR2	C	001	0036	3637

16		16	0020 2
			0008 2
			0004 2
17		17	0002 2
			0001 2
			0003 2
18		18	0000 2
			00E0 2
19		19	00C0 2
			00C1 2
20		20	00C2 2

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 16 V09/11/81 12/08/81 21:31

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 16 V09/11/81 12/08/81 21:31

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		652 *		FSBEQ	00145 00620000
03		654 *		*****	
		655 *		*	
		656 *		FILE SPECIFICATION BLOCK	*
		657 *		*	
		658 *		*****	
04		0007	660	FSBDNAME EQU 7	FILE NAME
05		0008	662	FSBDSHAR EQU FSBDNAME+1	FILE SHARE LEVEL
06		00FF	663	FSBM11SH EQU X'FF'	SHARE LEVEL FOR 11 FILES
		00FE	664	FSBMRF1 EQU X'FE'	SHARE LEVEL FOR REMOTE FILES
07		0009	666	FSBDATT1 EQU FSBDSHAR+1	ATTRIBUTE BYTE ONE
		0080	667	FSBMLNBK EQU X'80'	BIT ON = BLOCK LOCATION SPECIFIED
		0040	668	FSBMSIZE EQU X'40'	BIT ON = SIZE SPECIFIED
08		0020	669	FSBMALLC EQU X'20'	BIT ON = FILE ALLOCATED
		0010	670	FSBMDPLD EQU X'10'	BIT ON = DISP-OLD SPECIFIED
		0008	671	FSBMDPNW EQU X'08'	BIT ON = DISP-NEW SPECIFIED
		0004	672	FSBMDPSR EQU X'04'	BIT ON = DISP-SHR SPECIFIED
09		674 *		IF ALL OF THE PREVIOUS THREE BITS ARE OFF, THEN NO DISP PARAMETER	
		675 *		WAS SPECIFIED	
10		0002	677	FSBMHKAS EQU X'02'	HIGH KEY BUCKET ASSIGNED
		678 *		(TO BE USED BY TERMINATION)	
11		0001	679	FSBMTYP2 EQU X'01'	TYPE TWO FSB (24 BYTES)
12		000A	681	FSBDATT2 EQU FSBDATT1+1	ATTRIBUTE BYTE TWO
		0080	682	FSBMNFAL EQU X'80'	BIT ON = NEW FILE BEING ALLOCATED
		0040	683	FSBMKYST EQU X'40'	BIT ON = KEY SORT REQUIRED
13		0020	684	FSBMDPLB EQU X'20'	BIT ON = DUPLICATE FSB FOR THIS FILE
		0010	685	FSBMSNLB EQU X'10'	BIT ON = SESSION LIBRARY FSB
		0008	686	FSBMKEYS EQU X'08'	BIT ON = FILE HAS BEEN KEYSORTED
14		0004	687	FSBMUSED EQU X'04'	BIT ON = DTF ASSOCIATED WITH THIS FSB
		0002	688	FSBMLBST EQU X'02'	BIT ON = LIBRARY FSB CREATED BY A LIBRARY STATEMENT
		689 *			
15		690 *		EQU X'01'	RESERVED
16		000C	692	FSBDFCHN EQU FSBDATT2+2	FORWARD CHAIN POINTER
17		000E	694	FSBDF1PT EQU FSBDATT2+2	FORMAT-1 POINTER
18		000F	696	FSBDATT3 EQU FSBDATT2+2	ATTRIBUTE BYTE THREE
		0080	697	FSBMOPD EQU X'80'	BIT ON = FILE HAS BEEN OPENED
		0040	698	FSBMCLD EQU X'40'	BIT ON = FILE HAS BEEN CLOSED
19		0020	699	FSBMCOMP EQU X'20'	BIT ON = RESERVE AREA COMPRESS REQUIRED
		0010	700	FSBMDLMV EQU X'10'	BIT ON = OFF-LINE MULTI-VOLUME FILE
		0008	701	FSBMITPT EQU X'08'	BIT ON = FILE ACCESS IS FOR INPUT
		0004	702	FSBMOPD EQU X'04'	BIT ON = FILE ACCESS IS FOR OUTPUT
		0002	703	FSBMUPD EQU X'02'	BIT ON = FILE ACCESS IS FOR UPDATE
		0001	704	FSBMADD EQU X'01'	BIT ON = FILE ACCESS IS FOR ADD

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02					0010
03					
04					
05					0012
06					0013
					0080
					0040
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					0010
					0008
07					
08					0017
09					0018
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01	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SUBSNB0	C	001	0010	3561	
	SUBSRES1	C	001	0019	3609	3610
	SUBSRES2	C	001	001A	3610	3611 3612
	SUBSRES3	C	001	001B	3612	3613
04	SUBSRES4	C	001	001C	3613	
	SUBSRQ	C	001	0002	3661	
05	SUBSSB0	C	001	000C	3558	3559

01	CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SVCQS	C	001	0020	2426	
	SVCQSCAN	C	001	001B	2421	
	SVCQUEUE	C	001	000E	2408	
	SVCWAIT	C	001	002C	2439	
04	SVCRDEQ	C	001	0021	2428	
	SVCRDYCK	C	001	0025	2432	
05	SVCRENQ	C	001	0021	2427	

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0040	2376	TUB\$NO2	EQU	X'40'	. NO RETURN ON PERMANENT ERROR
0020	2377	TUB\$AUTOB	EQU	X'20'	. AUTO INPUT BUFFER ASSIGNMENT
0010	2378	TUB\$VH	EQU	X'10'	. TUB NOT ALLOWED OFF VERTICAL TUBCHAIN
0008	2379	TUB\$ONL	EQU	X'08'	. DEVICE ONLINE
0004	2380	TUB\$ISSU	EQU	X'04'	. READ INPUT ISSUED TO TUB
0002	2381	TUB\$INCM	EQU	X'02'	. READ INPUT NOT COMPLETE
0001	2382	TUB\$DTCS	EQU	X'01'	. DATA IN CONTROL STORE
0003	2384	TUB\$CMD	EQU	TUBFLAG+1	IOB COMMAND BYTE
0000	2386	TUB\$DA	EQU	X'CO'	. LOCAL WORKSTATION DEVICE ADDRESS
00E0	2387	TUB\$PNAV	EQU	X'E0'	. NATIVE PRINTER DEVICE ADDRESS
00C0	2388	TUB\$EXEC	EQU	X'CO'	. EXEC I/O OPERATION CODE
00C1	2389	TUB\$POLL	EQU	X'C1'	. EXEC INVITE OPERATION
00C2	2390	TUB\$IDLE	EQU	X'C2'	. QUITESCE

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PAGE 16	V09/11/81	12/08/81	21:31
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ECIFIED			
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D			
DISP PARAMETER			
LOCATED			
THIS FILE			
SB			
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T			
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R OUTPUT			
R UPDATE			
R ADD			

#SVAU	TCB CHANGE	ORG OR DETACH	TRANSIENT	PAGE 17	V09/11/81	12/08/81	21:31
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
0010	706	FSBLLNTH	EQU	FSBDATT3+1	LENGTH OF A TYPE ONE FSB		
708					*****		
709	*						
710	*				THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN A TYPE TWO FSB	*	
711	*					*	
712					*****		
0012	714	FSBDEXVL	EQU	FSBDATT3+3	FILE EXTEND VALUE		
715	*				X'000000' = NOT SPECIFIED		
0013	717	FSBDATT4	EQU	FSBDEXVL+1	ATTRIBUTE BYTE FOUR		
0080	718	FSBMDFIL	EQU	X'80'	DFILE PARAMETER SPECIFIED		
0040	719	FSBMDFLY	EQU	X'40'	BIT ON = DFILE-YES SPECIFIED		
0020	720	FSBMIFIL	EQU	X'20'	IFILE PARAMETER SPECIFIED		
0010	721	FSBMIFLY	EQU	X'10'	BIT ON = IFILE-YES SPECIFIED		
0008	722	FSBMBYPS	EQU	X'08'	BIT ON = BYPASS-YES SPECIFIED		
0017	724	FSBDRES1	EQU	FSBDATT4+4	RESERVED AREA		
0018	726	FSBLTYP2	EQU	FSBDRES1+1	LENGTH OF A TYPE TWO FSB		
727	***	END OF EXPANSION	**				

#SVAU	TCB CHANGE			PAGE 17	V09/11/81	12/08/81	21:31
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
0010	706	FSBLLNTH	EQU	FSBDATT3+1	LENGTH OF A TYPE ONE FSB		
708					*****		
709	*						
710	*				THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN A TYPE TWO FSB	*	
711	*					*	
712					*****		
0012	714	FSBDEXVL	EQU	FSBDATT3+3	FILE EXTEND VALUE		
715	*				X'000000' = NOT SPECIFIED		
0013	717	FSBDATT4	EQU	FSBDEXVL+1	ATTRIBUTE BYTE FOUR		
0080	718	FSBMDFIL	EQU	X'80'	DFILE PARAMETER SPECIFIED		
0040	719	FSBMDFLY	EQU	X'40'	BIT ON = DFILE-YES SPECIFIED		
0020	720	FSBMIFIL	EQU	X'20'	IFILE PARAMETER SPECIFIED		
0010	721	FSBMIFLY	EQU	X'10'	BIT ON = IFILE-YES SPECIFIED		
0008	722	FSBMBYPS	EQU	X'08'	BIT ON = BYPASS-YES SPECIFIED		
0017	724	FSBDRES1	EQU	FSBDATT4+4	RESERVED AREA		
0018	726	FSBLTYP2	EQU	FSBDRES1+1	LENGTH OF A TYPE TWO FSB		
727	***	END OF EXPANSION	**				

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CROSS-REFERENCE							
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES		
SVCQS	C	001	0020	2426			
SVCQSCAN	C	001	001B	2421			
SVCQUEUE	C	001	000E	2408	4612 4624 4830 4836		
SVCQWAIT	C	001	002C	2439			
SVCRDEQ	C	001	0021	2428			
SVCRDYCK	C	001	0025	2432			
SVCREND	C	001	0021	2427	2428		

TCBQHDR	C	001					
TCBARQ	C	001					
TCBARSE	C	001					
TCBARX1	C	001					
TCBARX2	C	001					

15	000B 2429 TUBSENS1 EQU TUBSENS0+1 SENSE BYTE 1	
	2431 * SCREEN FORMAT ERROR * REFERENCE GROUP 5 IN TUBSENS4	
16	2432 * EQU X'80' . SCREEN FORMAT ERROR	
	2433 * EQU X'40' . NO RESPONSE TIME OUT	
	2434 * EQU X'20' . TRANSMIT ACTIVITY CHECK	
17	2435 * EQU X'10' . ACTIVATE COMMAND FAILURE	
	2436 * EQU X'08' . RECEIVE PARITY CHECK	
	2437 * EQU X'04' . RECEIVE LENGTH CHECK	
18	2438 * EQU X'02' . NOT USED	
	2439 * EQU X'01' . EVEN/ODD TIME OUT	
19	000C 2441 TUBSENS2 EQU TUBSENS1+1 SENSE BYTE 2	
	2443 * EQU X'80' . DEVICE HUNG BUSY	
20	2444 * EQU X'40' . LINE PARITY CHECK	

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01	*****
02	*
03	*
04	*****

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 18	V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		729 * HEADR	00640000
	0000	730 QHDMULL EQU X'00'	NULL QUEUE HEADER VALUE
03	0001	731 QHDHI EQU X'01'	HIGH VALUE FOR QUEUE HEADER ADDRESS
	0020	732 DEQUEUE EQU X'20'	DEQUEUE REQUEST
	0000	733 QUEUE EQU X'00'	QUEUE REQUEST
04	0080	734 PRIOR EQU X'80'	MASK FOR PRIORITY QUEUEING
	0040	735 SYS EQU X'40'	SYSTEM QUEUE HEADER REQUEST
	0010	736 LIFO EQU X'10'	MASK FOR LIFO QUEUEING
	0000	737 FIFO EQU X'00'	MASK FOR FIFO QUEUEING
05	0090	738 PRIORL EQU PRIOR+LIFO	MASK FOR LIFO PRIORITY QUEUEING
	0080	739 PRIORF EQU PRIOR+FIFO	MASK FOR FIFO PRIORITY QUEUEING
06	740 *	741 ** THE FOLLOWING QUEUE HEADERS ARE OFFSETS FROM LOCATION X'0100'	
		742 ** IN MAIN STORE. THE QUEUE HEADERS HAVE VARIOUS FUNCTIONS	
07	743 **	DEPENDENT ON THEIR USERS REQUIREMENTS. ANY USER OF THESE QUEUE	
	744 **	HEADERS MUST ALSO BE AWARE THAT CONTROL STORE MAY ALSO ACCESS	
	745 **	THE HEADER ASYNCHRONOUSLY.	
08	746 *	0000 747 QHDFD EQU X'00'	DISK IOS (ACE)
	0002	748 QHDIO EQU X'02'	DISKETTE IOCS (ACE)
09	0004	749 QHDPT EQU X'04'	PRINTER IOCH (ACE)
	0006	750 QHDWSC EQU X'06'	WORKSTATION IOCH (ACE)
	0008	751 QHDCOMM EQU X'08'	COMMUNICATIONS IOCH (ACE)
	000A	752 QHDIOXNT EQU X'0A'	I/O XIENT AREA (ACE)
10	753 *	EQU X'0C'	RESERVED
	754 *	EQU X'0E'	
	755 *	EQU X'10'	
11	756 *	EQU X'12'	
	757 *	EQU X'14'	
	758 *	EQU X'16'	
12	0018	759 QHDCXNT EQU X'18'	CONTROL STORAGE XIENT SCHEDULER (ACE)
	001A	760 QHDTHA EQU X'1A'	TASK WORK AREA ACCESS (ACE)
13	001C	761 QHDLOAD EQU X'1C'	M.S. RELOCATING LOADER (ACE)
	001E	762 QHDKBTR EQU X'1E'	KEYBOARD TRACE (ACE)
	0020	763 QHDPT1 EQU X'20'	PRINTER QUEUE HEADER 1 (ACE)
14	0022	764 QHDPT2 EQU X'22'	PRINTER QUEUE HEADER 2 (ACE)
	0024	765 QHDPT3 EQU X'24'	PRINTER QUEUE HEADER 3 (ACE)
	0026	766 QHDPT4 EQU X'26'	PRINTER QUEUE HEADER 4 (ACE)
15	0028	767 QHDPT5 EQU X'28'	PRINTER QUEUE HEADER 5 (ACE)
	002A	768 QHDPT6 EQU X'2A'	PRINTER QUEUE HEADER 6 (ACE)
	002C	769 QHDPT7 EQU X'2C'	PRINTER QUEUE HEADER 7 (ACE)
16	002E	770 QHDPT8 EQU X'2E'	PRINTER QUEUE HEADER 8 (ACE)
	0030	771 QHDFDA EQU X'30'	SPINDLE A QUEUE HEADER (ACE)
	0032	772 QHDFDB EQU X'32'	SPINDLE B QUEUE HEADER (ACE)
17	0034	773 QHDFDC EQU X'34'	171 SPINDLE C QUEUE HEADER
	0036	774 QHDFDD EQU X'36'	171 SPINDLE D QUEUE HEADER
	0038	775 QHDIOA EQU X'38'	DISKETTE ACTIVE QUEUE (ACE)
18	776 *	EQU X'3A'	RESERVED

01	#SVAU TCB CHANGE ORG OR DETACH
02	ERR LOC OBJECT CODE
03	0030
	003E
04	0041
	0042
	0044
05	0046
	0048
	004A
06	004C
	004E
	0050
07	0052
	0054
	0056
08	0058
	005A
	005C
	005E
09	0060
	0062
	0064
	0066
	0068
10	006A
	006C
	006E
11	0070
	0072
	0074
	0076
12	0078
	007A
13	007E
	0080
	0082
14	
15	0090
	0092
	0094
16	0096
	0098
	009A
17	009C
	009E
	00A0
18	00A2
	00A4
	00A6
19	00A8
	00AA
	00AC
20	00AE

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 156	V09/11/81 12/08/81 21:28
01	CROSS-REFERENCE		
02	SYMBOL	T LEN	VALUE DEFN REFERENCES
03	TCBAQHDR	C 001	002F 2679
	TCBARQ	C 001	0023 2661 2662
	TCBARSE	C 001	0018 2655
04	TCBAXRI	C 001	0019 2656
			2657 4277* 4278* 4279* 4287* 4318* 4366 4368* 4376 4378* 4414 4416
			4460* 4488* 4495* 4965* 4966 4966* 4967 4967* 4968 4968* 4970*

01	
02	SYMBOL T LEN VALUE DEFN
03	TCBIDACT C 001 00E4 2708
	TCBIDBEL C 001 00EE 2718
	TCBIDBLD C 001 00F9 2730
04	TCBIDBSC C 001 00F5 2725
	TCBIDBTS C 001 00F6 2710

14	2480 *	EQU	X'00'	. TOO MANY FORMAT CONTROL WORDS DEFINED	14	00E3 00C0
	2482 *	GROUP 2 - WS CONTROL FILED ERRORS				
	2483 *	(REFERENCE TUBSENSE0 BIT1)				0015
15	2485 *	EQU	X'01'	. INVALID COMMAND MODIFIER	15	0016
	2486 *	EQU	X'02'	. INVALID BYTE COUNT (0 OR 4096)		
16	2487 *	EQU	X'03'	. DEVICE ADDRESS NOT FOUND	16	
	2488 *	EQU	X'04'	. BYTE COUNT != ACTUALLY TRANSFERRED		
17	2490 *	GROUP 3 - RESOURCES TEMPORARILY NOT AVAILABLE ERRORS			17	
	2491 *	(REFERENCE TUBSENSE0 BIT2)				0017
18	2493 *	EQU	X'01'	. PRINTER BUSY DURING WRITE ATTEMPT	18	
	0002 2494 TUB\$DEAD	EQU	X'02'	. WS IN ERROR MODE		
	2495 *	EQU	X'03'	. DEVICE OFFLINE ERROR		
19	2496 *	EQU	X'04'	. PRINTER NEEDS INITIALIZATION	19	
	0005 2497 TUB\$NRMD	EQU	X'05'	. NOT READY DUE TO OPERATOR ERROR MODE		0018 001A
20	2498 *	OR SYS REQ MODE			20	

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 19 V09/11/81 12/08/81 21:31

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 19 V09/11/81 12/08/81 21:31

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
	00640000	003C	778	QHDTIMER EQU X'3C'	INTERVAL TIMER TQE QUEUE (TQE)				
		003E	779	QHDTIMEA EQU X'3E'	INTERVAL TIMER ACE QUEUE (ACE)				
		0041	780	QHDSPTCB EQU X'41'	CURRENT TASK EXECUTING (TCB)				
03		0042	781	QHDXTENT EQU X'42'	MAIN STORAGE TRANSIENT SCHEDULER (TCB)	03			
		0044	782	QHDPRIQ EQU X'44'	TCB PRIORITY QUEUE (TCB)				
		0046	783	QHDTCBQ EQU X'46'	TCB READY QUEUE (TCB)				
04		0048	784	QHD TTC EQU X'48'	TASK-TASK COMM (ACE)	04			
		004A	785	QHDSQE EQU X'4A'	STATUS QUEUE HEADER (PL)				
		004C	786	QHDCNLG EQU X'4C'	CONSOLE SYSLOG (PL)				
05		004E	787	QHDCILK EQU X'4E'	CONSOLE SYSLOG INTERLOCK (AQE)	05			
		0050	788	QHDTRM EQU X'50'	TERMINATION/RELEASE (PL)				
		0052	789	QHDFILK EQU X'52'	REJECT FILE INTERLOCK (AQE)				
06		0054	790	QHDCPOCL EQU X'54'	OCL COMMAND REQUESTS (PL)	06			
		0056	791	QHDSQB EQU X'56'	SECTOR QUEUE BLOCKS (SQB)				
		0058	792	QHDCSCQ EQU X'58'	CONTROL STORE COMPLETE QUEUE (ACE)				
07		005A	793	QHDTUB EQU X'5A'	TERMINAL UNIT BLOCK QUEUE (TUB)	07			
		005C	794	QHDCOM1 EQU X'5C'	COMMUNICATIONS LINE 1 (ACE)				
		005E	795	QHDCOM2 EQU X'5E'	COMMUNICATIONS LINE 2 (ACE)				
08		0060	796	QHDCOM3 EQU X'60'	COMMUNICATIONS LINE 3 (ACE)	08			
		0062	797	QHDCOM4 EQU X'62'	COMMUNICATIONS LINE 4 (ACE)				
		0064	798	QHDIILK EQU X'64'	DEDICATION INTERLOCK (AQE)				
09		0066	799	QHDSILK EQU X'66'	SCHEDULER INTERLOCK (AQE)	09			
		0068	800	QHDIILK EQU X'68'	VTOC INTERLOCK (AQE)				
		006A	801	QHDSILK EQU X'6A'	FORMAT FIVE INTERLOCK (AQE)				
		006C	802	QHDPILK EQU X'6C'	PROC NAME INTERLOCK (AQE)				
10		006E	803	QHDIHIST EQU X'6E'	HISTORY FILE INTERLOCK (AQE)	10			
		0070	804	QHDSQSPT EQU X'70'	ASSIGNED PAGES QUEUE HEADER (APE)				
11		0072	805	QHDCSB EQU X'72'	COMMUNICATIONS SPECIFICATION QUEUE (CSB)	11			
		0074	806	QHDERB EQU X'74'	ERROR RECORDING BLOCK QUEUE HEADER (ERB)				
		0076	807	QHDEW EQU X'76'	GENERAL WAIT QUEUE HEADER (ACE)				
12		0078	808	QHDFSEC EQU X'78'	SECURITY QUEUE HEADER (PL)	12			
		007A	809	QHDLLOC EQU X'7A'	LOCATION OF NODE DICTIONARY (PL)				
		810 *		EQU X'7C'	RESERVED				
13		007E	811	QHDSNA EQU X'7E'	SNA TASK QUEUE HEADER (ACE)	13			
		0080	812	QHDSQS EQU X'80'	WORKSTATION QUEUE SPACE (FQE)				
		0082	813	QHDSQS EQU X'82'	SYSTEM QUEUE SPACE (FQE)				
14		814 *		THRU ----		14			
		815 *		EQU X'8E'	RESERVED				
		0090	816	QHDIQEX EQU X'90'	INQUIRY EXIT QUEUE (ACE)				
15		0092	817	QHQUAIL EQU X'92'	QUEUED ACQUIRE INTERFACE LIST (PL)	15			
		0094	818	QHDPRT EQU X'94'	REMOTE PRINTER QUEUE (ACE)				
		0096	819	QHDSCT EQU X'96'	SUBSYSTEM CONFIGURATION TABLE (PL)				
16		0098	820	QHDTWAF1 EQU X'98'	TWA EXTENSION F1 CHAIN (F1)	16			
		009A	821	QHDEXTRA EQU X'9A'	EXTENDED TRACE (PL)				
		009C	822	QHDSUBCN EQU X'9C'	SUBCONSOLE SYSLOG (PL)				
17		009E	823	QHDSUBRA EQU X'9E'	SUBCONSOLE REASSIGN (PL)	17			
		00A0	824	QHDEIB EQU X'AO'	ERROR INFORMATION BLOCK (EIB)				
		00A2	825	QHDSNACE EQU X'A2'	NS GET PAGE ACE (ACE)				
18		00A4	826	QHDLGF EQU X'A4'	GENERAL LOGGING FACILITY PARMLIST (PL)	18			
		00A6	827	QHDEXAM EQU X'A6'	EXAM QUEUE (NAS)				
		00A8	828	QHDMTI EQU X'A8'	MRT TERMINATION INTERLOCK (ACE)				
19		00AA	829	QHDPOLH EQU X'AA'	MULT SNA LINE INTERLOCK (AQE)	19			
		00AC	830	QHDSPLK EQU X'AC'	SPOOL FILE INTERLOCK (AQE)				
20		00AE	831	QHDX21 EQU X'AE'	MCLA X.21 (ACE)	20			

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CROSS-REFERENCE

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02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
	TCBIDACT	C	001	00E4	2708	
	TCBIDBEL	C	001	00EE	2718	
03	TCBIDBLD	C	001	00F9	2730	

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
	TCBMSAFL	C	001	0008	2757	
	TCBMSS12	C	001	002C	2673	
03	TCBMSTAR	C	001	0004	2755	

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
	TCBMSAFL	C	001	0008	2757	
	TCBMSS12	C	001	002C	2673	
03	TCBMSTAR	C	001	0004	2755	

13	DEFINED	00E1 2532 TUB\$PRMA EQU X'E1' . 5256 WORKSTATION SERIAL PRINTER	13
14		00E2 2533 TUB\$NGLD EQU X'E2' . 650 LPM LINE PRINTER	14
15		00E3 2534 TUB\$MITR EQU X'E3' . MITRE PRINTER	15
16		00C0 2535 TUB\$KBDP EQU X'CO' . KEYBOARD DISPLAY WORKSTATION	16
17		0015 2537 TUBQHDR EQU TUBDEVID+1 QUEUE HEADER POINTER FOR PRINTER	17
18		0016 2539 TUBERPCT EQU TUBQHDR+1 ERP CONTROL BYTE	18
19		2541 * 2542 * SEE THE ERBDCTL FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS. 2543 *	19
20		0017 2545 TUBERBFG EQU TUBERPCT+1 ERB FLAG BYTE	20
		2547 * 2548 * SEE THE ERBDPLG FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS. 2549 *	
		0018 2551 TUBERAID EQU TUBERBFG+1 ERROR AID FLAG BYTE	
		001A 2552 TUBMIC EQU TUBERAID+2 ERP MESSAGE ID CODE	

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PAGE 19 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 20 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG O
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	832 * ---- THRU ----	02	
03	833 * EQU X'BE' RESERVED	03	
04	834 *** END OF EXPANSTION **	04	
05		05	
06		06	
07		07	
08		08	
09		09	
10		10	
11		11	
12		12	
13		13	
14		14	
15		15	
16		16	
17		17	
18		18	
19		19	
20		20	

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PAGE 157 V09/11/81 12/08/81 21:28	CROSS-REFERENCE	PAGE 158 V09/11/81 12/08/81 21:28	
01		01	
02	SYMBOL T LEN VALUE DEFN REFERENCES	02	SYMBOL T LEN VALUE
	TCBMSAFL C 001 0008 2757		TCBSFILK C 001 0010

13	0025 2581 TUBAID EQU TUBCOMON+1 AID BYTE (ENTER, REC ADV , ETC.)>(DISPLAYS)	13	0080 2
	0026 2582 TUBCPAID EQU TUBAID+1 AID BYTE (INQUIRY, SYS REQ) (DISPLAYS)		0040 2
	0027 2583 TUBDRESV EQU TUBCPAID+1 RESERVED BYTE		0020 2
14	002F 2584 TUBUSER EQU TUBDRESV+8 OPERATOR ID	14	0010 2
	0030 2585 TUBOPSTS EQU TUBUSER+1 OPERATOR STATUS		0008 2
	0032 2586 TUBJCBa EQU TUBOPSTS+2 ADDRESS OF JCB		0004 2
15	0034 2587 TUBTUB EQU TUBJCBa+2 TUBCHAIN FOR SYS REQ AND INQUIRY	15	0002 2
	0035 2589 TUBATTR1 EQU TUBTUB+1 ATTRIBUTE BYTE 1		0001 2
16	0080 2591 TUBMCN EQU X'80' . MASTER CONSOLE	16	0039 2
	0040 2592 TUBACN EQU X'40' . ALTERNATE CONSOLE		0080 2
17	0020 2593 TUBCMDT EQU X'20' . COMMAND TERMINAL(ON)-DATA TERM(OFF)	17	0040 2
	0010 2594 TUBSGN EQU X'10' . TERMINAL SIGNED ON		0020 2
	0008 2595 TUBTSRQ EQU X'08' . TEST REQUEST MODE		0010 2
18	0004 2596 TUBSTPJ EQU X'04' . JOB INITIATION NOT ALLOWED	18	0008 2
	0002 2597 TUBLIOFR EQU X'02' . USIA FORMATTED WITH LIO DISPLAY		0004 2
	0001 2598 TUBFCNSL EQU X'01' . CONSOLE MODE FORCED BY I/O ERROR		0002 2
19	0036 2600 TUBATTR2 EQU TUBATTR1+1 TERMINAL MODE AND DISPLAY	19	0001 2
20	2602 *****	20	003A 2

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE	ADDR
02		836 *		JCBEQ		02		0004
								0080
03		838 *****				03		0040
		839 *						0020
		840 *		JOB CONTROL BLOCK				0010
04		841 *				04		0008
		842 *****						0004
								0002
05	0000 844	JCBDINIT EQU	0		INITIATOR SWITCH BYTE	05		0001
	0080 845	JCBMNTA EQU	X'80'		IN INTRA MODE (LOAD STATEMENT RECEIVED)			
	0040 846	JCBMRUNG EQU	X'40'		PROGRAM RUNNING (BETWEEN RUN STATEMENT AND			0005
					TERMINATION)			0080
06	0020 848	JCBMINTER EQU	X'20'		IN INTER MODE (BETWEEN TERMINATION AND	06		0040
					LOAD STATEMENT)			0020
07	0010 850	JCBMINT EQU	X'10'		IGNORE NO-HIST PROCEDURE ATTRIBUTE	07		0010
	0008 851	JCBMINT EQU	X'08'		THIS IS A MRT JCB			0008
	0004 852	JCBMINDSC EQU	X'04'		NO SOURCE REQUIRED			0004
08	0002 853	JCBMILDS EQU	X'02'		LOAD STMT RECEIVED THIS SESSION	08		0002
	0001 854	JCBMILDJ EQU	X'01'		LOAD STMT RECEIVED THIS JOB			0001
09	0001 856	JCBDINT2 EQU	JCBDINIT+1		INITIATOR SWITCH BYTE TWO	09		0006
	0080 857	JCBMREGN EQU	X'80'		JOB REGION RECEIVED			0080
	0040 858	JCBMRLCL EQU	X'40'		LOCAL DATA AREA IS IN STORAGE			0040
10	0030 859	JCBMHIPR EQU	X'30'		HIGH PRIORITY HAS BEEN SPECIFIED	10		0020
	0020 860	JCBMMDPR EQU	X'20'		MEDIUM PRIORITY HAS BEEN SPECIFIED			0010
	0010 861	JCBMLOPR EQU	X'10'		LOW PRIORITY HAS BEEN SPECIFIED			0008
		862 *			X'30' BITS OFF = NORMAL PRIORITY			0004
11	0008 863	JCBMIPRC EQU	X'08'		IN A PROCEDURE	11		0002
	0004 864	JCBMUSLB EQU	X'04'		PROGRAM (JCBPROG) WAS FOUND IN USER			0001
		865 *			LIBRARY (JCBCLRB)			
12	0002 866	JCBMRSNP EQU	X'02'		ENQUEUE RESOURCES WITH NEP ATTRIBUTE	12		0009
	0001 867	JCBMRTPE EQU	X'01'		NRT PROGRAM			
13	0002 869	JCBDSCH1 EQU	JCBDINT2+1		SCHEDULER BYTE ONE	13		000C
	0080 870	JCBMPUCL EQU	X'80'		PROGRAM HAS UTILITY CONTROL STATEMENTS			000E
14	0040 871	JCBMXPREF EQU	X'40'		RUN OXREF AT TERMINATION	14		0000
	0020 872	JCBMRTWA EQU	X'20'		FIRST SYSIN RECORD IS IN TWA			EEEE
	0010 873	JCBMFLUC EQU	X'10'		FLUSH UTILITY CONTROL STATEMENTS			
15	0008 874	JCBMDEAD EQU	X'08'		PROGRAM IS DEDICATED	15		0010
	0004 875	JCBMWTCD EQU	X'04'		DMY DATE - WORLD TRADE			0012
	0002 876	JCBMDOMD EQU	X'02'		MDY DATE - DOMESTIC			
	0001 877	JCBMYMDD EQU	X'01'		YMD DATE - INTERNATIONAL			0014
16	0003 879	JCBDSCH2 EQU	JCBDSCH1+1		SCHEDULER BYTE TWO	16		0016
	0080 880	JCBMOPCL EQU	X'80'		OPEN OR CLOSE ERROR			
17	0040 881	JCBMPRTY EQU	X'40'		PRTY COMMAND EXECUTED PRIOR TO START OF	17		0018
		882 *			JOB			
18	0020 883	JCBMNEP EQU	X'20'		PROGRAM IS A NEP	18		0020
	0010 884	JCBMBTCH EQU	X'10'		JOB QUEUE PROGRAM			
	0008 885	JCBMICRC EQU	X'08'		INCLUDE STATEMENT RECEIVED			
19	0004 886	JCBMOPRD EQU	X'04'		ALLOCATE - DON'T PREPARE THE DISKETTE	19		0028
	0002 887	JCBMINQP EQU	X'02'		INQUIRY LATCH SET			
	0001 888	JCBMNONI EQU	X'01'		NON-INQUIRABLE PROGRAM			0029

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CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
02					

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SYMBOL	T	LEN	VALUE	DEFN
02				

12	0038 2635 TUBH2Q EQU X'80'	TUBATTR3+1	INQUIRY/SYS REQ AND MISC	. TUB ON HORIZONTAL QUEUE
13	0040 2636 TUBINQ1 EQU X'40'			. INQUIRY1 TUB
	0020 2637 TUBINQ2 EQU X'20'			. INQUIRY2 TUB
14	0010 2638 TUBIQMP EQU X'10'			. INQUIRY MENU IS PENDING
	0008 2639 TUBRST1 EQU X'08'			. RESTORE SCREEN - INQ OR SYS REQ
	0004 2640 TUBRST2 EQU X'04'			. RESTORE SCREEN - MSG OR SYSLOG
15	0002 2641 TUBLIOS EQU X'02'			. SYSIN/SYSLOG DISPLAY HAS BEEN SAVED
	0001 2642 TUBIDEL EQU X'01'			. I DELETE FUNCTION IS ACTIVE
16	0039 2644 TUBATTR5 EQU TUBATTR4+1			RELEASE INDICATORS
	0080 2646 TUBORY EQU X'80'			. RESTORE-Y ON OCL STATEMENT
17	0040 2647 TUBORN EQU X'40'			. RESTORE-N ON OCL STATEMENT
	0020 2648 TUBLOP EQU X'20'			. LAST OP TO THE TUB WAS A PUT
	0010 2649 TUBRSW EQU X'10'			. RELEASE STOP INV WORKED
18	0008 2650 TUBRSF EQU X'08'			. RELEASE STOP INV FAILED
	0004 2651 TUBREL EQU X'04'			. TUB HAS BEEN RELEASED
	0002 2652 TUBSRQ EQU X'02'			. SRT HAS RELEASED REQUESTOR
19	0001 2653 TUBABTRM EQU X'01'			. CALL TERMINATOR PRIOR TO RELEASE
20	003A 2655 TUBATTR6 EQU TUBATTR5+1			

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
00660000	0004	890	JCBDSCH3	EQU	JCBDSCH2+1 SCHEDULER BYTE THREE
	0080	891	JCBMSEJ	EQU	X'80' SYSLOG - SUPPRESS 2 OPTION HALT
	0040	892	JCBMSOFF	EQU	X'40' SYSLIST OFF SELECTED BY HALT OPTION
	0020	893	JCBMSPR	EQU	X'20' SYSLIST PRINTER SELECTED BY HALT OPTION
	0010	894	JCBMRST	EQU	X'10' RESERVE STATEMENT RECEIVED THIS JOB
	0008	895	JCBMSCRT	EQU	X'08' SYSLIST CRT SELECTED BY HALT OPTION
	0004	896	JCBMEOMP	EQU	X'04' END OF OUTER-MOST PROCEDURE
	0002	897	JCBMRINQ	EQU	X'02' INQUIRY JCB
	0001	898	JCBMDSRC	EQU	X'01' TERMINATION - DISPLAY RETURN CODE
	0005	900	JCBDIINLK	EQU	JCBDSCH3+1 SCHEDULER INTERLOCK BYTE
	0080	901	JCBMSLOG	EQU	X'80' SYSLOG TRANSIENT CALLED
	0040	902	JCBMSYSN	EQU	X'40' SYSIN TRANSIENT CALLED
	0020	903	JCBMDKAL	EQU	X'20' DISKETTE FILE ALLOCATED, BUT NOT CLOSED
	0010	904	JCBMRDVC	EQU	X'10' DISKETTE VTOC ON DISK
	0008	905	JCBMRDVC	EQU	X'08' DISKETTE VTOC UPDATED
	0004	906	JCBMRCSM	EQU	X'04' RESUME - CALL #CSIM
	0002	907	JCBMSELT	EQU	X'02' AUTO-LOADER DISKETTE SELECTED
	0001	908	JCBMRSET	EQU	X'01' RESET STATEMENT RECEIVED
	0006	910	JCBDUPSI	EQU	JCBDIINLK+1 UPSI SWITCH BYTE
	0080	911	JCBMUPS1	EQU	X'80' UPSI SWITCH ONE
	0040	912	JCBMUPS2	EQU	X'40' UPSI SWITCH TWO
	0020	913	JCBMUPS3	EQU	X'20' UPSI SWITCH THREE
	0010	914	JCBMUPS4	EQU	X'10' UPSI SWITCH FOUR
	0008	915	JCBMUPS5	EQU	X'08' UPSI SWITCH FIVE
	0004	916	JCBMUPS6	EQU	X'04' UPSI SWITCH SIX
	0002	917	JCBMUPS7	EQU	X'02' UPSI SWITCH SEVEN
	0001	918	JCBMUPS8	EQU	X'01' UPSI SWITCH EIGHT
	0009	920	JCBDDATE	EQU	JCBDUPSI+3 SESSION DATE
	000C	922	JCBDDPAT	EQU	JCBDDATE+3 PROGRAM DATE
	000E	924	JCBDSLST	EQU	JCBDDPAT+2 SYSLIST INDICATOR - PRINTER ID
	0000	925	JCBSLOFF	EQU	X'0000' = OFF
	EEEE	926	JCBSLCRT	EQU	X'EEEE' = CRT
	0010	928	JCBDCRLB	EQU	JCBDSLST+2 CURRENT LIBRARY F1 POINTER
	0012	929	JCBDFSBL	EQU	JCBDCRLB+2 LIBRARY FSB CHAIN POINTER
	0014	931	JCBDFSFB	EQU	JCBDFSBL+2 FILE FSB CHAIN POINTER
	0016	933	JCBWVSBP	EQU	JCBDFSFB+2 USB CHAIN POINTER
	0018	935	JCBVSBP	EQU	JCBWVSBP+2 PSB CHAIN POINTER
	0020	937	JCBD1PRC	EQU	JCBVSBP+8 NAME OF FIRST LEVEL PROCEDURE
	938 *				(MRT PROCEDURE NAME IF JCBMVRT IS ON AND
	939 *				THIS JCB IS POINTED TO BY THE MRT'S TCB)
	0028	941	JCBDPROG	EQU	JCBD1PRC+8 PROGRAM NAME
	0029	943	JCBDSTAT	EQU	JCBDPROG+1 STATUS BYTE

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01	CROSS-REFERENCE			
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14	2691 * EQU X'08'	. RESERVED FOR WSIOCH	
	2693 * EQU X'02'	. RESERVED FOR WSIOCH	
	2694 * EQU X'01'	. RESERVED FOR WSIOCH	
15	0047 2696 TUBHELPM EQU TUBATTR8+2	HELP KEY MIC AREA	
	0047 2697 TUBGCHAR EQU TUBHELPM	OR GAIJI CHARACTER ON AID REQUEST	
16	0048 2699 TUBATTR9 EQU TUBHELPM+1	ATTRIBUTE BYTE 8	
17	0080 2701 TUBBADGE EQU X'80'	. THIS TUB HAS BADGE SECURITY	
	0040 2702 TUB960 EQU X'40'	. THIS TUB IS FOR A 960 CHAR SCREEN	
	0020 2703 TUBMENU2 EQU X'20'	. DISPLAY PAGE 2 OF MENU ON 960	
18	0010 2704 TUBMRTSC EQU X'10'	. MRT SECURITY SWITCH	
	0008 2705 TUBSVRD EQU X'08'	. REJECT IN READY FUNCTION	
	0004 2706 TUBSVR1 EQU X'04'	. ERROR DURING SAVE - STATUS OR CNSL SYSGL	
	0002 2707 TUBSVR2 EQU X'02'	. ERROR DURING SAVE - SYS REQ OR INQUIRY	
19	0001 2708 TUBRDYPD EQU X'01'	. READY TASK IS PENDING	
20	2710 *	REJECT FILE INDEX	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
02	0080 944	JCBMWPNT	EQU	X'80'	WAITING FOR PRINTER
	0040 945	JCBMULIN	EQU	X'40'	WAITING FOR COMMUNICATION LINE
03	0020 946	JCBMWDKT	EQU	X'20'	WAITING FOR DISKETTE
	0010 947	JCBMWDISK	EQU	X'10'	WAITING FOR DISK SPACE
	0008 948	JCBMWDINT	EQU	X'08'	INITIATOR WAITING FOR RESOURCES
04	0004 949	JCBMWDINTX	EQU	X'04'	WAITING FOR A MRT OVER MRTMAX
	0002 950	JCBMSLOP	EQU	X'02'	HALT PENDING TO SYSTEM OPERATOR
	0001 951	JCBMEXTD	EQU	X'01'	FILE EXTENSION IN PROCESS
05	002A 953	JCBDRGSZ	EQU	JCBSTAT+1	REGION SIZE (STEP)
06	002B 955	JCBDOCTAG	EQU	JCBDRGSZ+1	CURRENT TAG IN PPSA
	002D 957	JCBDSL0B	EQU	JCBDOCTAG+2	SYSLIST IOB ADDRESS
07	002F 959	JCBDRTCO	EQU	JCBDSL0B+2	RETURN CODE (MIC)
08	0031 961	JCBDEXTA	EQU	JCBDRTCO+2	JCB EXTENSION ADDRESS
	0033 963	JCBDPGR1	EQU	JCBDEXTA+2	RELATIVE SS OF PROGRAM1 MESSAGE MEMBER
	0035 964	JCBDPGR2	EQU	JCBDPGR1+2	RELATIVE SS OF PROGRAM2 MESSAGE MEMBER
09	0037 965	JCBUSR1	EQU	JCBDPGR2+2	RELATIVE SS OF USER1 MESSAGE MEMBER
	0039 966	JCBUSR2	EQU	JCBUSR1+2	RELATIVE SS OF USER2 MESSAGE MEMBER
10	003B 967	JCBDPG1L	EQU	JCBUSR2+2	PROGRAM1 LIBRARY FORMAT-1 ADDRESS
	003D 968	JCBDPG2L	EQU	JCBDPG1L+2	PROGRAM2 LIBRARY FORMAT-1 ADDRESS
	003F 969	JCBUR1L	EQU	JCBDPG2L+2	USER1 LIBRARY FORMAT-1 ADDRESS
	0041 970	JCBUR2L	EQU	JCBUR1L+2	USER2 LIBRARY FORMAT-1 ADDRESS
11	0043 972	JCBDMENU	EQU	JCBUR2L+2	RELATIVE SS OF MENU MESSAGE MEMBER
	0045 973	JCBDMENL	EQU	JCBDMENU+2	MENU LIBRARY FORMAT-1 ADDRESS
12	0047 975	JCBDJBID	EQU	JCBDMENL+2	JOB NAME (ID)
13	0048 977	JCBDLNPG	EQU	JCBDJBID+1	LINES/PAGE
14	004C 979	JCBDFMND	EQU	JCBDLNPG+4	FORMS NUMBER
	004D 981	JCBDSLCC	EQU	JCBDFMND+1	SYSLIST CRT LINE COUNTER
15	004E 983	JCBDNFTF	EQU	JCBDSLCC+1	NUMBER OF FORMATS FOUND
16	0050 985	JCBDFINA	EQU	JCBDNFTF+2	ADDRESS OF FORMAT INDEX
	0052 987	JCBDCIBa	EQU	JCBDFINA+2	ADDRESS OF COMPILER INFORMATION BLOCK
17	0054 989	JCBDDTFa	EQU	JCBDCIBa+2	ADDRESS OF FIRST DTF ON CHAIN
18	0055 991	JCBDSLRL	EQU	JCBDDTFa+1	SYSLIST CRT LINES REQUESTED
	0056 993	JCBDDFRG	EQU	JCBDSLRL+1	REGION SIZE (DEFAULT)
19	0057 995	JCBDJBRG	EQU	JCBDDFRG+1	REGION SIZE (JOB)
20	005E 997	JCBDMENF	EQU	JCBDJBRG+7	MENU FORMAT INDEX (NON-RELEASED US JOBS)

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUB\$CNCL	C	001	00C3	3019	
TUB\$DA	C	001	00C0	3014	

0080 2745 T
0040 2746 T
0020 2747 T
0010 2748 T
0008 2749 T
0004 2750 T
2751 *
2752 *
0053 2753 T
2754 *
2755 *
2756 *
0054 2757 T
0080 2758 T
0040 2759 T
0020 2760 T
0010 2761 T
2762 *
2763 *
0008 2764 T

#SVAU TCB CHANGE ORG OR DETACH TRA

ERR LOC	OBJECT CODE	ADDR	STMT
01			
02	005A	998	
	005C	999	
03	0061	1001	
04	0062	1003	
	0062	1004	
	0080	1005	
05	0040	1006	
	0020	1007	
	0010	1008	
06	0008	1009	
	1010		
	1011		
	1012		
07	0063	1014	
08	0080	1015	
	0040	1016	
	0020	1017	
09	0010	1018	
	0008	1019	
	0004	1020	
10	0002	1021	
	0001	1022	
11	0065	1024	
12	006D	1026	
	006F	1028	
	006F	1029	
13	0070	1031	
14	1033 *		
	1034 *		
	1035 *		
15	1036 *		
	1037 *		
16	0001	1039	
	0003	1040	
	0005	1041	
17	0006	1043	
	0004	1044	
18	0006	1045	
	0008	1046	
19	000F	1048	
	0010	1049	
20	1050 *		

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUBATTR5	C	001	0039	3272	3283
TUBATTR6	C	001	0030	3283	

13	0050 2743 TUBCMSK EQU TUBCMSK3 COMMAND KEY MASK	13
	0051 2744 TUBFMSK EQU TUBCMSK+1 FUNCTION KEY MASK	
	0080 2745 TUBPRT EQU X'80' ENABLE PRINT KEY	
	0040 2746 TUBRLUP EQU X'40' ENABLE ROLL UP KEY	
14	0020 2747 TUBRLDN EQU X'20' ENABLE ROLL DOWN KEY	14
	0010 2748 TUBCLER EQU X'10' ENABLE CLEAR KEY	
	0008 2749 TUBHELP EQU X'08' ENABLE HELP KEY	
15	0004 2750 TUBRCBK EQU X'04' ENABLE RECORD BACKSPACE KEY	15
	2751 * EQU X'02' RESERVED	
	2752 * EQU X'01' RESERVED	
16	0053 2753 TUBDEXTa EQU TUBFMSK+2 REMOTE WORKSTATIONS TUB (RUSTB)	16
	2754 * NOTE: THE ABOVE EQUATE IS THE DISPLAY STATION TUB POINTER	
	2755 * TO THE RWS TUB. SEE PRINTER EQUATES FOR THE PRINTER	
17	2756 * TUB'S POINTER TO THE RWS TUB.	17
	0054 2757 TUBATTRa EQU TUBDEXTa+1 ATTRIBUTE BYTE 10	
	0080 2758 TUBCLRAD EQU X'80' . CLEAR AIDS	
18	0040 2759 TUBSLOCK EQU X'40' . LOCK CONTROL	18
	0020 2760 TUBMOFF EQU X'20' . OFF OCL STATEMENT RECEIVED	
	0010 2761 TUBMHOLD EQU X'10' . HOLD PARAMETER FOR OFF COMMAND (ON)	
19	2762 * NOTE THAT IF THIS BIT IS NOT ON	19
	2763 * IT INDICATES THE DROP PARAMETER	
20	0008 2764 TUBSUBCN EQU X'08' . SUBCONSOLE WORKSTATION	20

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23 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 24 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR D
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	01	ERR LOC OBJECT CODE
02	005A 998 JCBDJQST EQU JCBDJBRG+3 JOB QUEUE JOB START TIME (JOBQ JOBS)	02	
	005C 999 JCBDSPID EQU JCBDJQST+2 SESSION PRINTER ID (RELEASED WS JOBS)		
03	0061 1001 JCBDJOBn EQU JCBDMENF+3 JOB NAME (TIME STAMP)	03	
04	0062 1003 JCBDSCH5 EQU JCBDJOBn+1 SCHEDULER BYTE FIVE	04	
	0062 1004 JCBDLANG EQU JCBDSCH5 LANGUAGE COMPILER BYTE		
	0080 1005 JCBMSYLB EQU X'80' SEARCH SYSTEM LIBRARY ONLY		
05	0040 1006 JCBMSLMG EQU X'40' SYSLIST END MESSAGE REQUIRED	05	
	0020 1007 JCBMLIST EQU X'20' LIST RPG		
	0010 1008 JCBMNEXT EQU X'10' SYSLIST 'NOEXTN' SPECIFIED		
06	0008 1009 JCBM15CP EQU X'08' 15 CPI SPECIFIED ON FORMS STATEMENT	06	
	1010 * EQU X'04'		
	1011 * EQU X'02'		
	1012 * EQU X'01'		
07	0063 1014 JCBDSCH4 EQU JCBDLANG+1 SCHEDULER BYTE FOUR	07	
08	0080 1015 JCBMTMLK EQU X'80' JCB TERMINATION INTERLOCK	08	
	0040 1016 JCBMFLIS EQU X'40' FLUSH INLINE SOURCE		
	0020 1017 JCBMPGIS EQU X'20' PROGRAM HAS INLINE SOURCE		
09	0010 1018 JCBMINTK EQU X'10' INITIATOR DID NOT INITIATE THIS TASK	09	
	0008 1019 JCBMSRAL EQU X'08' SECURED RESOURCE ALLOCATED BY THIS MPT		
	0004 1020 JCBMEVPR EQU X'04' EVOKED PROCEDURE		
10	0002 1021 JCBMSPCK EQU X'02' SET SPOOL FILE EOF AT LAST CHECK POINT	10	
	0001 1022 JCBMETBa EQU X'01' ERROR INFORMATION BLOCK PRESENT (EIB)		
11	0065 1024 JCBDCSBP EQU JCBDSCH4+2 CSB CHAIN POINTER	11	
	006D 1026 JCBUSER EQU JCBDCSBP+8 USER ID		
12	006F 1028 JCBDBFRa EQU JCBUSER+2 SYSIN BUFFER ADDRESS	12	
	006F 1029 JCBDLCLa EQU JCBUSER+2 LOCAL DATA AREA ADDRESS		
13	0070 1031 JCBLLNTH EQU JCBDBFRa+1 LENGTH OF A JCB	13	
14	1033 *****	14	
	1034 * *		
	1035 * JCB EXTENSION *		
	1036 * *		
15	1037 *****	15	
16	0001 1039 JCBSSBa EQU 1 SESSION SPECIFICATION BLOCK POINTER	16	
	0003 1040 JCBDCCBa EQU JCBSSBa+2 CHECK POINT CONTROL BLOCK POINTER		
	0005 1041 JCBPLST EQU JCBDCCBa+2 PHONE LIST CHAIN POINTER		
17	0006 1043 JCBDLPI# EQU JCBPLST+1 LPI VALUE	17	
	0004 1044 JCBMALPI EQU X'04' 4 LPI SPECIFIED ON FORMS STATEMENT		
18	0006 1045 JCBM6LPI EQU X'06' 6 LPI SPECIFIED ON FORMS STATEMENT	18	
	0008 1046 JCBM8LPI EQU X'08' 8 LPI SPECIFIED ON FORMS STATEMENT		
19	000F 1048 JCBDESV EQU JCBDLPI#+9 RESERVED AREA	19	
	0010 1049 JCBDELNG EQU JCBDESV+1 LENGTH OF JCB EXTENSION		
20	1050 *** END OF EXPANSION **	20	

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161 V09/11/81 12/08/81 21:28	CROSS-REFERENCE	PAGE 162 V09/11/81 12/08/81 21:28
01		01
02	SYMBOL T LEN VALUE DEFN REFERENCES	02

2797 *
 2798 *****
 2799 * PRINTER UNIQUE PORTION OF THE TUB *
 2800 *****
 2801 *
 0026 2803 TUBPXTA EQU TUBCOMMON+2 REMOTE WORKSTATION TUB ADDRESS (PRINTERS)
 0027 2804 TUBPRESV EQU TUBPXTA+1 RESERVED BYTE
 002B 2805 TUBPFMNO EQU TUBPRESV+4 FORMS NUMBER
 002C 2806 TUBPFMLN EQU TUBPFMNO+1 FORMS LENGTH (LINES/PAGE)
 002D 2807 TUBPCRLN EQU TUBPFMLN+1 CURRENT LINE
 002E 2808 TUBPMXPP EQU TUBPCRLN+1 MAX PRINT POSITION (HORIZONTAL)
 002F 2809 TUBDPRST EQU TUBPMXPP+1 PRINTER STATUS BYTE
 0080 2810 TUB\$PUMP EQU X'80' . POST USER ON ERROR MESSAGE
 0040 2811 TUB\$DPST EQU X'40' . PRINTER PAST READY
 0020 2812 TUB\$EXTD EQU X'20' . THIS PRINTER TUB HAS AN ADDITION
 2813 * EQU X'10' . RESERVED
 2814 * EQU X'08' . RESERVED
 2815 * EQU X'04' . RESERVED

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
02		1052 *		NUCEQ		00680000
		1053		*****		
		1054 *		MAIN STORAGE NUCLEUS		*
		1055		*****		
		1056		*****		
		1057 *	ADDR	NAME	SIZE (HEX) SIZE (DEC)	LABEL *
		1058		*****		
		1059 *	0000	FIXED NUCLEUS	1000 4096	NUFIXNUC *
		1060		*****		
		1061		*****		
		1062 *	0000	SYSTEM COMMUNICATION AREA	0100 256	NUASCA *
		1063 *				*
		1064 *	0100	ACE QUEUE HEADERS	00C0 192	NUACEQH *
		1065 *				*
		1066 *	01C0	MULTI-PURPOSE IOB	0020 32	NUAMPJOB *
		1067 *				*
		1068 *	01E0	CS TRANSIENT LOADER IOB	0020 32	NUACXJOB *
		1069 *				*
		1070 *	0200	COMMAND PROCESSOR TCB	0080 128	NUACPTCB *
		1071 *				*
		1072 *	0280	TASK WORK AREA INDEX	0C23 35	NUATWAXL *
		1073 *				*
		1074 *	02A3	TASK WORK AREA QUEUE HDR	0005 5	NUATWAAQ *
		1075 *				*
		1076 *	02A8	DISKETTE ERROR LOG AREA	0038 56	NUARDIOB *
		1077 *				*
		1078 *	02E0	SYSTEM LIBRARY FORMAT-1	0020 32	NUALBFL1 *
		1079 *				*
		1080 *	0300	A/D TRACE ACE	0010 16	NUATRACE *
		1081 *				*
		1082 *	0310	ALTERNATE SECTOR ACE	0010 16	NUAERACE *
		1083 *				*
		1084 *	0320	STATISTICAL LOGOUT ACE	0010 16	NUALGACE *
		1085 *				*
		1086 *	0330	INTERVAL TIMER ACE	0010 16	NUATFACE *
		1087 *				*
		1088 *	0340	MSP ERROR ACE	0010 16	NUAMFACE *
		1089 *				*
		1090 *	0350	SWAP ACE	0010 16	NUASWACE *
		1091 *				*
		1092 *	0360	MS TRANSIENT LOADER ACE	0010 16	NUAMPXACE *
		1093 *				*
		1094 *	0370	DISKETTE ERROR ACE	0010 16	NUATEFACE *
		1095 *				*
		1096 *	0380	ERROR TASK-TASK ACE	0010 16	NUACSETC *
		1097 *				*
		1098 *	0390	DISPATCHER TQE	0008 8	NUADSTQE *
		1099 *				*
		1100 *	0398	MIDNIGHT TQE	0008 8	NUAMNTQE *
		1101 *				*
		1102 *	03A0	STATISTICAL LOGGING TQE	0008 8	NUADLTQE *
		1103 *				*
		1104 *	03A8	SQS FAILURE TQE	0008 8	NUAATQE *
		1105 *				*

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CROSS-REFERENCE

***** *****	14
*****	15
ADDRESS (PRINTERS)	16
*****	17
***** (CONTAL)	18
***** PAGE	19
***** ADDITION	20

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	19
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PAGE 25 V09/11/81 12/08/81 21:31	01
***** 00680000	02
*****	03
***** EC) LABEL *	04
***** NUFIXNUC *	05
*****	06
***** NUISCA *	07
*****	08
***** NUISACEQH *	09
*****	10
***** NUISAMPJOB *	11
*****	12
***** NUISACXJOB *	13
*****	14
***** NUISACPTCB *	15
*****	16
***** NUISATWAXL *	17
*****	18
***** NUISATWAQ *	19
*****	20
***** NUISARDJOB *	

***** NUISALBF1 *	

***** NUISATRACE *	

***** NUISERACE *	

***** NUISALGACE *	

***** NUISATFACE *	

***** NUISAMFACE *	

***** NUISASPACE *	

***** NUISAMSPACE *	

***** NUISATEACE *	

***** NUISACSETC *	

***** NUISADSTQE *	

***** NUISAMNTQE *	

***** NUISADLTQE *	

***** NUISATATQE *	

#SVAU TCB CHANGE OR DETACH TRANSIENT	PAGE 26 V09/11/81 12/08/81 21:31	01
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	02
		03
		04
		05
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		18
		19
		20

#SVAU TCB CHANGE OR DETACH TRANSIENT	PAGE 26 V09/11/81 12/08/81 21:31	01
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	02
		03
		04
		05
		06
		07
		08
		09
		10
		11
		12
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		18
		19
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PAGE 163 V09/11/81 12/08/81 21:28	01
	02
	03

CROSS-REFERENCE	PAGE 164 V09/11/81 12/08/81 21:28	01
SYMBOL T LEN VALUE DEFN REFERENCES		02
TUBMIC C 001 001A 3180 3182		03
TUBMINIT C 001 0030 3243		
TUBMIQDS C 001 0020 3306		

	01
	02
	03

14	0030 2876 TUA*LOGC EQU 48	TAG 48- SYSLOG COMMUNICATIONS TO CONSOLE	14
	0031 2877 TUA*TKMQU EQU 49	TAG 49- TASK MESSAGE QUEUE AREA	
	2878 *	TAG 54- END OF MESSAGE QUEUE AREA	
	0037 2879 TUA*OCLC EQU 55	TAG 55- OCL COMMAND SAVE AREA	
15	0038 2880 TUA*PLAT EQU 56	TAG 56- TRANSLATE TABLE AREA	15
	0039 2881 TUA*PRMG EQU 57	TAG 57- DUAL MESSAGE ROUTING AREA	
	2882 *	TAG 58- RESERVED THRU 59	
16	2883 *		16
	2884 * COMMAND PROCESSOR TAGS		
	2885 *		
17	0000 2886 TUA*NUSE EQU 00	TAG 00- NOT USED	17
	0001 2887 TUA*SC01 EQU 01	TAG 01- SYSTEM CONSOLE IMAGE	
	2888 *	TAG 07- END	
18	0014 2889 TUA*NCND EQU 20	NUMBER OF IMAGES	18
	0008 2890 TUA*MQ01 EQU 08	TAG 08- MESSAGE QUEUE	
	2891 *	TAG 13- END OF MESSAGE QUEUE TAGS	
19	000E 2892 TUA*NCUR EQU 14	TAG 14- CURRENT SYSTEM PRINTER IMAGE	19
	000F 2893 TUA*SCSV EQU 15	TAG 15- SYSTEM CONSOLE SAVE/RESTORE AREAS	
	000F 2894 TUA*CNLS EQU 15	CONSOLE SAVE AREA (15-26)	
20	001B 2895 TUA*UJSA EQU 27	WORKSTATION SAVE AREA (27-38)	20

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PAGE 26 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE OR DETACH TRANSIENT	PAGE 27 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	1131 *		
	0000 1132 NUFIXNUC EQU X'000'	MAIN STORAGE NUCLEUS - FIXED AREA	
	1133 *		
03	0000 1134 NUBSCA EQU NUFIXNUC	SYSTEM COMMUNICATION AREA	03
	0100 1135 NULSCA EQU 256	* (LENGTH OF AREA)	
	1136 *		
04	0100 1137 NUBACEQH EQU NUBSCA+NULSCA	SYSTEM QUEUE HEADERS	04
	00C0 1138 NULACEQH EQU 192	* (LENGTH OF AREA)	
	1139 *		
05	01C0 1140 NUBMPJOB EQU NUBACEQH+NULACEQH	MULTI-PURPOSE JOB	05
	0020 1141 NULENJOB EQU 32	* (LENGTH OF A DISK JOB)	
	1142 *		
06	01E0 1143 NUBCXJOB EQU NUBMPJOB+NULENJOB	CS TRANSIENT L; DER JOB	06
	1144 *		
07	0200 1145 NUBCPTCB EQU NUBCXJOB+NULENJOB	COMMAND PROCESSOR TCB	07
	0002 1146 NUBCPTAH EQU X'02'	COMMAND PROCESSOR TCB (HIGH)	
	0080 1147 NULCPTCB EQU 128	* (LENGTH OF AREA)	
	1148 *		
08	0280 1149 NUBTWAXL EQU NUBCPTCB+NULCPTCB	TASK WORK AREA INDEX (LEFT)	08
	0023 1150 NULTWAX EQU 35	(LENGTH OF AREA)(280 ENTRIES)	
	02A2 1151 NUBTWAXR EQU NUBTWAXL+NULTWAX-1	TASK WORK AREA INDEX (RIGHT)	
09	1152 *		09
	1153 * NOTE:	TASK WORK AREA SPACE IS INDICATED BY 8 TRACKS PER	
	1154 *	BYTE. THE RIGHT BYTE INDICATES THE START OF THE TASK	
	1155 *	WORK AREA ON THE DISK.	
	1156 *		
11	02A3 1157 NUBTWQ EQU NUBTWAXL+NULTWAX	TASK WORK AREA QUEUE ELEMENT	11
	0005 1158 NULTWQ EQU 5	(LENGTH OF AREA)	
	1159 *		
12	02A8 1160 NUBRDJOB EQU NUBTWQ+NULTWQ	SYSTEM DISKETTE JOB/LOGOUT AREA	12
	0038 1161 NULRDJOB EQU 56	* (LENGTH OF AREA)	
	1162 *		
13	02E0 1163 NUB*LBFI EQU NUBRDJOB+NULRDJOB	*LIBRARY RESIDENT FORMAT-1	13
	0020 1164 NUL*LBFI EQU 32	* (LENGTH OF AREA)	
	1165 *		
14	0300 1166 NUBTRACE EQU NUB*LBFI+NUL*LBFI	TRACE LOGOUT ACE	14
	0010 1167 NULACE EQU 16	* (LENGTH OF AN ACE)	
	1168 *		
15	0310 1169 NUBRACE EQU NUBTRACE+NULACE	ALTERNATE SECTOR ACE	15
	1170 *		
	0320 1171 NUBLGACE EQU NUBRACE+NULACE	STATISTICAL LOGGING ACE	
	1172 *		
16	0330 1173 NUBITACE EQU NUBLGACE+NULACE	INTERVAL TIMER ACE	16
	1174 *		
17	0340 1175 NUBFACE EQU NUBITACE+NULACE	MSP PROC CHECK ERROR HANDLER ACE	17
	1176 *		
	0350 1177 NUBSHACE EQU NUBFACE+NULACE	ACE FOR SWAP JOB	
	1178 *		
18	0360 1179 NUBMFACE EQU NUBSHACE+NULACE	ACE FOR MS XIENT SCHEDULER	18
	1180 *		
19	0370 1181 NUBTEACE EQU NUBMFACE+NULACE	ACE FOR DISKETTE ERP	19
	1182 *		
	0380 1183 NUBCSETC EQU NUBTEACE+NULACE	CS TASK-TASK ERROR ACE	
	1184 *		

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PAGE 164 V09/11/81 12/08/81 21:28	CROSS-REFERENCE	PAGE 165 V09/11/81 12/08/81 21:28	CROSS-REFERENCE
SYMBOL T LEN VALUE DEFN REFERENCES	SYMBOL T LEN VALUE DEFN REFERENCES	SYMBOL T LEN VALUE DEFN REFERENCES	SYMBOL T LEN VALUE DEFN REFERENCES
TUBTRNCH C 001 0002 3009		TUB21G C 001 0002 3009	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		0390 1185	NUMDSTQE	EQU	NUMCSETC+MULACE DISPATCHER TQE
		0008 1186	MULTQE	EQU	8 * (LENGTH OF A TQE)
		1187	*		
03		0398 1188	NUMINTQE	EQU	NUMDSTQE+MULTQE MIDNIGHT TQE
		1189	*		
04		03A0 1190	NUMDLTQE	EQU	NUMINTQE+MULTQE STATISTICS DATA LOG TIME Q ELEMENT
		1191	*		
		03A8 1192	NUMATQE	EQU	NUMDLTQE+MULTQE ASSIGN/FREE FAILUTE TIME Q ELEMENT
		1193	*		
05		03B0 1194	NUMDPTOB	EQU	NUMATQE+MULTQE TERMINATION DUMP IOB
		1195	*		
06		03D0 1196	NUMDPACE	EQU	NUMDPTOB+MULENTOB TERMINATION DUMP ACE
		1197	*		
		03E0 1198	NUMSPACE	EQU	NUMDPACE+MULACE PERMANENT SWAP ACE
		1199	*		
07		03F0 1200	NUMPLAF	EQU	NUMSPACE+MULACE FIXED NUCLEUS FREE AREA #1
		1201	*		
		1202	*****		
		1203	*		
08		0800 1204	NUMXIENT	EQU	2048 MS TRANSIENT AREA
		0800 1205	MULXIENT	EQU	2048 * (LENGTH OF AREA)
		1206	*		
09		0100 1207	MULTRBUF	EQU	256 LENGTH OF TRACE BUFFER
		0700 1208	MULTRBUF	EQU	NUMXIENT-MULTRBUF TRACE LOGOUT BUFFER
		1209	*		
		0700 1210	MULADWRK	EQU	MULTRBUF ALTER/DISPLAY WORK AREA
		00C0 1211	MULADWRK	EQU	192 * (LENGTH OF AREA)
		1212	*		
		07C0 1213	MULBADZK	EQU	MULTRBUF+MULADWRK IPL STORAGE ERROR SAVE AREA
		1214	*		
12		0310 1215	MULPLAF	EQU	MULTRBUF-MULPLAF LENGTH OF IPL FREE AREA
		1216	*		
		1217	*****		
		1218	*		
13		1000 1219	MULVARNUC	EQU	MULXIENT+MULXIENT MAIN STORAGE NUCLEUS - VARIABLE AREA
		1220	*		
14		1000 1221	MULMSSQS	EQU	MULVARNUC FIXED NUCLEUS FREE AREA #2
		1000 1222	MULMSSQS	EQU	4096 DEFAULT LENGTH FREE AREA #2
		1223	*		
15		2000 1224	MULLOADI	EQU	MULMSSQS+MULMSSQS LOAD ADDRESS WHEN IPL DISKETTE
		1225	*		
		1226	*** END OF EXPANSTION **		
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*SVAU TCB CHANGE ORG OR DE
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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				

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02

12	0005 2941 RSLDG EQU X'05'	SYSLOG	
	0006 2942 RSLIST EQU X'06'	SYSLIST	
	0007 2943 RSLIN EQU X'07'	SYSIN	
13	0008 2944 RSGET EQU X'08'	SOURCE GET	
	0009 2945 RSHSG EQU X'09'	MESSAGE RETRIEVE	
	000A 2946 RLIBRY EQU X'0A'	LIBRARY OPEN/CLOSE	
14	000B 2947 RVTOCFD EQU X'0B'	VTDC READ/WRITE FD	
	000C 2948 RALLOC EQU X'0C'	ALLOCATE	
	000D 2949 RDALOC EQU X'0D'	DEALLOCATE	
15	000E 2950 RSALOC EQU X'0E'	SPECIAL ALLOCATE	
	000F 2951 RINFD EQU X'0F'	RETRIEVE SYSTEM INFORMATION	
	0010 2952 RVTRD EQU X'10'	VTDC READ/WRITE RD	
16	0011 2953 RSNAP EQU X'11'	SNAP DUMP	
	0012 2954 RPHALT EQU X'12'	RPG HALT	
	0013 2955 RDMCALL EQU X'13'	DATA MANAGEMENT CONTROLLER	
17	0014 2956 RPRALGN EQU X'14'	PINTER ALIGNMENT	
	0015 2957 RCPRT EQU X'15'	COMMAND PROCESSOR ROUTER	
	0016 2958 RLOPEN EQU X'16'	LIMITS OPEN	
18	0017 2959 RUSDM EQU X'17'	USER USDM REQUEST	
	0018 2960 RSUSDM EQU X'18'	SYSTEM USDM REQUEST	
	0019 2961 RFINDLIB EQU X'19'	USER LIBRARY FIND REQUEST	
19	001A 2962 RAFA EQU X'1A'	AFA ACCESS TRANSIENT	
	001B 2963 RSPDOL EQU X'1B'	SPOOL INTERCEPT REQUEST	
20	001C 2964 RSPALC EQU X'1C'	SPOOL ALLOCATE REQUEST	

	0030 2996
	0030 2997
13	0030 2998
	0030 2999
	0040 3000
14	0041 3001
	0042 3002
	0043 3003
	0043 3004
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	0110 3006
16	0088 3007
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				
02		1228 *		PUPSEQ
	0001	1229	PUSHOCH EQU 1	POINTER TO NEXT PUSH ELEMENT
03		0003	1230	PUSHOSS EQU PUSHOCH+2 SS OF TWA ALLOCATED ON DISK
	0004	1231	PUSHIND EQU PUSHOSS+1	PUSH INDICATOR
	0080	1232	PUSHPART EQU X'80'	* TASK PUSHED PARTIALLY TO DISK
04		1233 *		NOTE THAT A VALUE OF X'FF' IN THIS BYTE INDICATES THAT
		1234 *		THE CHOCR MACRO HAS NOT EXECUTED.
05		0005	1235	PUSHTSSN EQU PUSHIND+1 SECTOR VALUE FOR SWAP
	0006	1236	PUSHBEGL EQU PUSHTSSN+1	TASK BEGINNING ATR OFFSET
		1237 *		OR USER'S BEGIN ADDRESS FOR A PARTIAL PUSH
06		0007	1238	PUSHCORE EQU PUSHBEGL+1 CORE SIZE IN 2K BLOCKS
	0080	1239	PUSHNONS EQU X'80'	TASK PUSHED IS NON-SWAPPABLE
	0008	1240	PUSHLEN EQU PUSHCORE+1	LENGTH OF A PUSH ELEMENT
		1241		*** END OF EXPANSION **
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ERR LOC	OBJECT CODE	ADDR	STMT
01			
02			1243
	0001		1244
	0003		1245
03		0005	1246
	0007		1247
	0009		1248
04		000A	1249
	000B		1250
	000D		1251
05		000E	1252
	000F		1253
06		0010	1254
	0011		1255
	0012		1256
07		0012	1257
	002F		1258
	0030		1259
			1260
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01	CROSS-REFERENCE
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12	0037 2997 RGLFAC EQU X'37'	GLF TRANSIENT	5
	0038 2994 RGLFAC EQU X'3A'	EXTENDED PRINT	6
	003C 2996 RSPFC EQU X'3C'	SPF COMPL. DATA COLLECTION	6
13	003D 2997 RLCDD EQU X'3D'	PEER MULTIPPOINT	6
	003E 2998 RMDDU EQU X'3E'	MSDM XIENT	
	003F 2999 RMDDT EQU X'3F'	*	
14	0040 3000 RWEGE EQU X'40'	*	
	0041 3001 RRDMM EQU X'41'	ROOM TTC XIENT CALL	
	0042 3002 RRDMM EQU X'42'	MSDM XIENT	
15	0043 3003 RSPQNG EQU X'43'	SPOOL QUEUE MGMT XIENT	
	0043 3004 RXTEND EQU RSPQNG	LAST VALID ENTRY	
16	0110 3006 XFLENBYT EQU RXTEND*4+4	LENGTH OF XFER TABLE (BYTES)	
	0088 3007 XFLENWRD EQU RXTEND*2+2	LENGTH OF XFER TABLE (WORDS)	
	3008 *** END OF EXPANSION **		

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V09/11/81 12/08/81 21:31	01	#SWAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 30 V09/11/81 12/08/81 21:31
00700000	02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	00720000

02	1243 *	RBEQU	
	0001 1244 RBSCHAIN EQU 1	ADDRES OF NEXT REQUEST BLOCK	
03	0003 1245 RBSXR1 EQU RBSCHAIN+2	XR1 SAVE AREA	
	0005 1246 RBSXR2 EQU RBSXR1+2	XR2 SAVE AREA	
	0007 1247 RBSARR EQU RBSXR2+2	ARR SAVE AREA	
04	0009 1248 RBSIAR EQU RBSARR+2	IAR SAVE AREA	
	000A 1249 RBSPIR EQU RBSIAR+1	PIR SAVE AREA	
	000B 1250 RBSPSR EQU RBSPIR+1	PSR SAVE AREA	
05	000D 1251 RBSRQ EQU RBSPSR+2	R/Q SAVE AREA	
	000E 1252 RBSINL1 EQU RBSRQ+1	INLINE PARM 1	
	000F 1253 RBSINL2 EQU RBSINL1+1	INLINE PARM 2	
06	0010 1254 RBSINL3 EQU RBSINL2+1	INLINE PARM 3	
	0011 1255 RBSINL4 EQU RBSINL3+1	INLINE PARM 4	
	0012 1256 RBSLEN EQU RBSINL4+1	LENGTH OF REQUEST BLOCK REG SAVE AREA	
07	0012 1257 RBSWORKS EQU RBSINL4+1	WORK AREA START	
	002F 1258 RBSWORK EQU RBSINL4+30	WORK AREA	
	0030 1259 RBSSTLEN EQU RBSWORK+1	TOTAL LENGTH OF REQUEST BLOCK	
08	1260 *** END OF EXPANSION **		

01	#SWAU TCB CHANGE ORG OR DETACH
02	ERR LOC OBJECT CODE ADDR S
12	0001 12
13	0002 12
14	0003 12
15	0004 12
16	0005 12
17	0006 12
18	0007 12
19	0008 12
20	0009 12

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ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	SYMT	SOURCE STATEMENT	
00720000	02	1262 *		SCAEQ	00740000	02	0001	1316	SCAPE	
		1263 *		*****					1317 *	
		1264 *							1318 *	
	03	1265 *		SYSTEM	03	03	0081	1319	SCAP2	
		1266 *					0001	1320	SCAP1	
		1267 *		COMMUNICATION AREA	04	04	0000	1321	SCAP0	
		1268 *							1322 *	
		1269 *		*****					1323 *****	
	05	0000 1271	SCASYS	EQU 0 . BEGINNING OF SYSTEM COMM	05	05	1324 *	THE		
		1272 *					1325 *	CAP		
	06	0001 1273	SCADDMIC	EQU SCASYS+1 . ABNORMAL TERMINATION ERROR MSG	06	06	0040	1327	SCAP5	
		1274 *		(WILL BE SEEN IN DUMP AREA ONLY)			0001	1328	SCAP4	
		1275 *					0041	1329	SCAP3	
	07	0000 1276	SCADPSVC	EQU SCASYS 3 DUMP SVC (LEFT HAND ADDRESS)	07	07	00C1	1330	SCAP2	
		0003 1277	SCADKVC	EQU SCADPSVC+3 3 TRANSIENT EXIT SVC (LEFT HAND)			00E1	1331	SCAP1	
		0005 1278	SCADSSVC	EQU SCASYS+5 . SYSTEM SVC AREA			0001	1332	SCAP0	
		1279 *							1333 *	
	08	0006 1280	SCAPSIZE	EQU SCADSSVC+1 1 MAIN STORAGE SIZE IN 2K BLOCKS	08	08	0010	1334	SCAP0	
		0080 1281	SCAP256K	EQU X'80' . X'80' - 256K MAIN STORAGE (R7)			0085	1335	SCAP0	
		0040 1282	SCAP128K	EQU X'40' . X'40' - 128K MAIN STORAGE			005A	1336	SCAP0	
		0030 1283	SCAP96K	EQU X'30' . X'30' - 96K MAIN STORAGE					1337 *	
		0020 1284	SCAP64K	EQU X'20' . X'20' - 64K MAIN STORAGE	09	09			0011	1338
		0018 1285	SCAP48K	EQU X'18' . X'18' - 48K MAIN STORAGE			0004	1339	SCACS	
		0010 1286	SCAP32K	EQU X'10' . X'10' - 32K MAIN STORAGE	10	10			1340 *	
		1287 *					0012	1341	SCACB	
	11	0008 1288	SCAZKBAD	EQU SCAPSIZE+2 2 ADDRESS OF BAD 2K BLOCKS SAME	11	11	0080	1342	SCAP0	
		0000 1289	SCAZKOK	EQU X'0000' . NO BAD 2K BLOCKS					1343 *	
		1290 *					0020	1344	SCAP5	
	12	000A 1291	SCADSP1@	EQU SCAZKBAD+2 2 SPOOL INTERCEPT STORAGE ADDRESS	12	12	0010	1345	SCAP5	
		1292 *							1346 *	
		0008 1293	SCADCF52	EQU SCADSP1@+1 1 CONFIGURATION RECORD SECTORS			0008	1347	SCAP0	
		1294 *							1348 *	
	13	000C 1295	SCAP2KMS	EQU SCADCF52+1 1 NUMBER OF AVAILBLE 2K BLOCKS MS	13	13	0004	1349	SCAP0	
		1296 *		(MAIN STORAGE SIZE MINUS NUMBER					1350 *	
		1297 *		OF BAD 2K BLOCKS)			0002	1351	SCAP0	
		1298 *							1352 *	
	14	0000 1299	SCAP52K	EQU SCAP2KMS+1 1 2K BLOCKS OF USER STORAGE	14	14			1353 *	
		1300 *					0001	1354	SCAP5	
	15	000E 1301	SCAPVARG	EQU SCAP52K+1 1 SWAPPABLE TASK REGION SIZE	15	15			1355 *	
		1302 *					0013	1356	SCADCF	
	16	000F 1303	SCASDISK	EQU SCAPVARG+1 1 DISK CONFIGURATION	16	16	0080	1357	SCAP0	
		0080 1304	SCAPDUAL	EQU X'80' . MULTIPLE SPINDLE DISK (R7)			0040	1358	SCAP0	
		0080 1305	SCA2SPIN	EQU X'80' . 2 SPINDLE DISK (R7)			0020	1359	SCAP0	
		0020 1306	SCA3SPIN	EQU X'20' . 3 SPINDLE DISK (R7)			0010	1360	SCAP0	
		0010 1307	SCA4SPIN	EQU X'10' . 4 SPINDLE DISK (R7)			0008	1361	SCAP0	
		0040 1308	SCADKCFG	EQU X'40' . DISK CONFIG FLAG (R3)			0004	1362	SCAP0	
		1309 *		0 - SMALL CAPACITY DISK					1363 *	
		1310 *		1 - LARGE CAPACITY DISK					1364 *	
		1311		*****					1365 *	
		1312 *		THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL *			0002	1366	SCAP5	
		1313 *		CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK. *			0001	1367	SCAP0	
		1314		*****					1368 *	
	20	0081 1315	SCAPDSKS	EQU X'81' . DISK STATUS BITS	20	20	0014	1369	SCADCF	

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	MODULE NAME	FLAG	REFERENCE
WDSCRN	C	001	0008	4009		#SWAT	aaB80	48 48
WDSRCT	C	001	0000	4004			aaG13	929
WDSCRW	C	001	000A	4011			aa301	47 4672
WDSR01	C	001	0001	4006				4709 4710
WDSR02	C	001	0002	4007				4717
WDSR03	C	001	0003	4008			aa022	3998 3999
WDSTI	C	001	0010	3956 3957 3958 3959 3960			aa023	50 4600
WDSTPR	C	001	0008	3992				4656 4660
WDSTP	C	001	0012	3957			aa041	51 4987
WDSYS	C	001	0080	3925			aa052	54 54

16	0004 3090 BIT7 EQU X'04'	MASK FOR BIT 7 -X.
17	0002 3089 BIT6 EQU X'02'	MASK FOR BIT 6 -X.
18	0008 3092 IARX EQU X'08'	IAR TRANSLATED
19	0004 3093 OP2 EQU X'04'	OP2 TRANSLATED
20	0002 3094 OP1 EQU X'02'	OP1 TRANSLATED
	0000 3095 PRV EQU X'00'	TASK PRIVELEDGED
	0001 3096 NPRV EQU X'01'	TASK NOT PRIVELEDGED
	0080 3097 DSABL EQU X'8C'	DISPATCHING DISABLED
	3098 *** END OF EXPANSION **	

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*SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 32 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0001 1316 SCAMDISZ EQU X'01'		X'01' - DISK FILE SIZE
	1317 *		0 - 8 MEGABYTE DISK
03	0081 1319 SCAM27MG EQU X'81'		1 - 12 MEGABYTE DISK
	0001 1320 SCAM13MG EQU 1		27 MEGABYTE DISK
04	0000 1321 SCAM10MG EQU 0		13 MEGABYTE DISK
	1322 *		8 MEGABYTE DISK
	1323 *		*****
05	1324 *		THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A LARGE *
	1325 *		CAPACITY DISK, ONE WITH 64 SECTORS PER TRACK.
	1326 *		*****
06	0040 1327 SCAM62PC EQU X'40'		LARGE CAPACITY DISK (R3)
	0001 1328 SCAM65MG EQU X'01'		65 MEGABYTE DISK (R3)
	0041 1329 SCAM065M EQU X'41'		65 MEGABYTE DISK (R7)
07	00C1 1330 SCAM130M EQU X'C1'		130 MEGABYTE DISK (R7)
	00E1 1331 SCAM195M EQU X'E1'		195 MEGABYTE DISK (R7)
	00D1 1332 SCAM260M EQU X'D1'		260 MEGABYTE DISK (R7)
	1333 *		
08	0010 1334 SCADPIND EQU SCADISK+1 1		SYSTEM/DUMP INDICATOR
	00A5 1335 SCAMDPOK EQU X'A5'		VALID DUMP
	005A 1336 SCAMDPU5 EQU X'5A'		VALID DUMP - HAS BEEN ACCESSED
	1337 *		
09	0011 1338 SCACSIZE EQU SCADPIND+1 1		CONTROL STORAGE CONFIGURATION
	0004 1339 SCACS16K EQU X'04'		X'04' -16K CONTROL STORAGE
	1340 *		
10	0012 1341 SCADCFG1 EQU SCACSIZE+1 1		SPOOL AND JOBQ INDICATORS
	0080 1342 SCAMAUTO EQU X'80'		X'80' - AUTO WRITER SUPPORTED
	1343 * EQU X'40'		X'40' - RESERVED (R8)
	0020 1344 SCAMSPGP EQU X'20'		X'20' - SPOOL ALL PRINTERS (R8)
12	0010 1345 SCAMSACT EQU X'10'		X'10' - SPOOL IS ACTIVE
	1346 *		(SUPPORTED NOT CANCELLED)
	0008 1347 SCAMCRAN EQU X'08'		X'08' - SPOOL COMPRESS RUN
	1348 *		(REFORMAT SPOOL FILE AT IPL)
13	0004 1349 SCAMJOBQ EQU X'04'		X'04' - HOLD JOB QUEUE
	1350 *		(DO NOT START AT IPL)
14	0002 1351 SCAMJOBM EQU X'02'		X'02' - REFORMAT JOBQ AT IPL
	1352 *		IF NOT IPL, INPUT JOB QUEUE
	1353 *		HAS BEEN POSTED
15	0001 1354 SCAMSPB EQU X'01'		X'01' - ALLOCATE FILE ON 'B'
	1355 *		
16	0013 1356 SCADCFG2 EQU SCADCFG1+1 1		SSP CONFIGURATION OPTIONS
	0080 1357 SCAMCNAT EQU X'80'		COMMAND LANGUAGE
	0040 1358 SCAMPWSF EQU X'40'		PASSWORD SECURITY
	0020 1359 SCAMJOBQ EQU X'20'		JOB QUEUE
17	0010 1360 SCAMSPOL EQU X'10'		SPOOL
	0008 1361 SCAMWDMX EQU X'08'		DISPLAY STATION DM TRANSIENT
	0004 1362 SCAMWDMR EQU X'04'		DISPLAY STATION DM RESIDENT
	1363 *		NOTE: IF 'WDMX WDMR' BOTH =1'
	1364 *		THEN RESIDENT/TRANSIENT
	1365 *		VERSION OF DSDM SELECTED.
19	0002 1366 SCAMMSG EQU X'02'		KEEP INFO. MESSAGES AT EDJ (R4)
	0001 1367 SCAMCNDE EQU X'01'		COMMAND LANGUAGE IS ENGLISH
	1368 *		
20	0014 1369 SCADCFG3 EQU SCADCFG2+1 1		COMMUNICATIONS FEATURES (R3)

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CHANGE ACTIVITY SUMMARY - V07/23/79									
MODULE NAME	FLAG	REFERENCE							
#SVAT	aa022	48	48	53					
	aa013	929							
	aa001	47	4672	4673	4674	4675	4676	4703	4708
		4709	4710	4711	4712	4713	4714	4715	4716
		4717							
	aa022	3998	3999						
	aa023	50	4600	4642	4643	4644	4645	4646	4651
		4656	4660	4848					
	aa041	51	4987	5033					

0002 3100	0001 3101
0000 3102	0001 3103
0002 3104	0002 3105
00FF 3106	0005 3107
0005 3108	000F 3109
0011 3110	0012 3111
0013 3112	

*SVAU TCB CHANGE ORG OR DETACH TRANSIENT	
ERR LOC	OBJECT CODE
02	0080 1330
	0020 1331
03	0040 1332
	0010 1333
	0008 1334
04	0004 1335
	0002 1336
	0001 1337
	1338
05	0015 1339
	0080 1340
06	0040 1341
	0020 1342
	0010 1343
	0008 1344
	0004 1345
	0002 1346
	0001 1347
	1400
08	0016 1348
	0017 1349
	1350
09	0018 1351
	0080 1352
10	0020 1353
	0010 1354
	0008 1355
	0004 1356
	0002 1357
	0001 1400
	1400
11	0008 1358
	0004 1359
	0002 1360
	0001 1400
	1400
12	0001 1400
	1400
13	001A 1400
	001C 1400
	1410
14	001E 1410
	0020 1410
	1410
15	0022 1410
	0023 1410
	1410
16	0025 1410
	0027 1410
	1410
17	0029 1420
	002B 1420
	002D 1420
	1420

CHANGE FLAG	
aa022	P10304 SS CP 03 07/18
aa023	P10310 SS CP 03 07/18
aa041	P10316 SS DM 03 09/07
aa052	P10317 TP SR 03 09/22
aa093	P10342 TP SN 03 01/03
aa145	P10402 SS __ 04 03/30

15	0002 3138 PSEH2 EQU 2	INDEX BUFFER REGISTER	01220000	5	0836 6C 00 1C 12	3188
	0001 3139 QUE1 EQU 1		01230000		083A 7D FF 1C	3189
	0002 3140 QUE2 EQU 2		01240000		083D F2 81 81	3190
16	0001 3141 TAB1 EQU 1		01250000	6		3192
	0002 3142 TAB2 EQU 2		01260000			3193
	0000 3143 DEAHIGH EQU 0		01270000			3194
17	0001 3144 DEASIZE EQU DEAHIGH+1		01280000	7	0840 BB 07 1D	3195
	0002 3145 DEANEXT EQU DEASIZE+1		01290000			3196
	00FF 3146 DETACH EQU X'FF'	DETACH REQUEST	01300000		0843 6C 01 19 1D	3197
18	0005 3147 SNASIZ EQU 5	SNA SIZE OF TOK	01301000	8	0847 5F 01 1B 1B	3198
	000F 3148 DTSVREG EQU TCBRSE-TCBARS	OFFSET OF SAVE AREA	01302000		084B B8 40 27	3199
	0011 3149 DTSVARR EQU DTSVREG+2	OFFSET OF SAVE ARR	01303000		084E F2 10 20	3200
19	0012 3150 DTSVSI2 EQU DTSVARR+1	OFFSET OF SAVED LENGTH	01304000	9	0851 68 01 1B 16	3201
	0013 3151 DTSVLEN EQU DTSVSI2+1	LENGTH OF SAVE ELEMENT	01305000			
20				20		

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V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 33	V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TR
ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT		ERR LOC	OBJECT CODE	ADDR STMT
02	0080 1370 SCAMBSCA EQU X'80'	. BSCA		02	002F 1424	
	0020 1371 SCAMSRJE EQU X'20'	. SRJE			1425	
03	0040 1372 SCAMRJE EQU X'40'	. MRJE			0031 1426	
	0010 1373 SCAMRNA EQU X'10'	. SNA			0033 1427	
	0008 1374 SCAMRWS EQU X'08'	. RWS			0035 1428	
04	0004 1375 SCAMICS EQU X'04'	. SSP/ICF	IR41		1429	
	0002 1376 SCAMLCAF EQU X'02'	. MLCA	IR61		0038 1430	
	0001 1377 SCAMOTTO EQU X'01'	. AUTOCALL	IR61		0038 1431	
	1378 *				003E 1432	
05	0015 1379 SCAMBSV EQU SCADCFG3+1	1 SSP CONFIGURATION OPTIONS			0041 1433	
	0080 1380 SCAMPD32 EQU X'80'	X'80' - SINGLE PROGRAM MODE			1434	
06	0040 1381 SCAMSMFM EQU X'40'	. X'40' - MLCA SMF ACTIVE	IR61		0044 1435	
	0020 1382 SCAMSMF EQU X'20'	. X'20' - SMF ACTIVE	IR41		1436	
	0010 1383 SCAMCLOG EQU X'10'	. X'10' - CONSOLE SYSLOG POSTED			0047 1437	
	0008 1384 SCAMFLG EQU X'08'	. X'08' - SECURITY			1438	
07	0004 1385 SCAMCFGS EQU X'04'	. X'04' - BUILD CONFIG RECORDS			1439	
	0002 1386 SCAMPIE EQU X'02'	. X'02' - PID MODEL INDICATOR			1440	
08	0001 1387 SCAMDEAD EQU X'01'	X'01' - DEDICATED EXECUTION			1441	
	1388 *				1442	
	0016 1389 SCADREL# EQU SCAMBSV+1	1 SYSTEM RELEASE LEVEL			1443	
09	0017 1390 SCADMDD# EQU SCADREL#+1	1 SYSTEM MODIFICATION LEVEL			1444	
	1391 *				0049 1445	
	0018 1392 SCADCMT# EQU SCADMDD#+1	1 COMMUNICATIONS TRACE INDICATORS			004B 1446	
10	0080 1393 SCAML4TX EQU X'80'	. EXTENDED TRACE LINE4	IR61		1447	
	0040 1394 SCAML3TX EQU X'40'	. EXTENDED TRACE LINE3	IR61		004D 1448	
	0020 1395 SCAML2TX EQU X'20'	. EXTENDED TRACE LINE2	IR41		004D 1449	
11	0010 1396 SCAML1TX EQU X'10'	. EXTENDED TRACE LINE1	IR41		1450	
	0008 1397 SCAML4TR EQU X'08'	. TRACE COMMUNICATIONS LINE 4	IR61		004F 1451	
	0004 1398 SCAML3TR EQU X'04'	. TRACE COMMUNICATIONS LINE 3	IR61		1452	
	0002 1399 SCAML2TR EQU X'02'	. TRACE COMMUNICATIONS LINE 2	IR31		0051 1453	
12	0001 1400 SCAML1TR EQU X'01'	. TRACE COMMUNICATIONS LINE 1			0052 1454	
	1401 *				1455	
13	1402 *	THE FOLLOWING FIELDS DESCRIBE THE DISK ADDRESS (SS) AND			0053 1456	
	1403 *	SIZE (SECTORS) OF VARIOUS WORK AREAS ON THE DISK. WHERE			1457	
	1404 *	POSSIBLE THE SS HAS BEEN DEFINED AS A 2 BYTE FIELD. THESE			0055 1458	
	1405 *	FIELDS ARE ORDER DEPENDENT AND DESCRIBE A ONE-TO-ONE			1459	
14	1406 *	RELATIONSHIP WITH THE SYSTEM CONFIGURATION RECORD, PART-1.			0057 1460	
	1407 *				0059 1461	
15	001A 1408 SCASSTWA EQU SCADCMT#2	2 SS OF TASK WORK AREA			0059 1462	
	001C 1409 SCATWASZ EQU SCASSTWA+2	2 SIZE OF TASK WORK AREA			1463	
	1410 *				005A 1464	
16	001E 1411 SCAFVTOC EQU SCATWASZ+2	2 SECTOR ADDRESS OF DISK VTOC			00E0 1465	
	0020 1412 SCAFVTON EQU SCAFVTOC+2	2 SIZE OF DISK VTOC			0010 1466	
	1413 *				1467	
17	0022 1414 SCAIVTOC EQU SCAFVTON+2	2 SS OF DISKETTE VTOC WORK AREA			005B 1468	
	0023 1415 SCAIVTON EQU SCAIVTOC+1	1 SIZE OF DISKETTE VTOC WORK AREA			0080 1469	
	1416 *				0040 1470	
18	0025 1417 SCASIOSS EQU SCAIVTON+2	2 SS OF SIO TABLE DIRECTORY			0020 1471	
	0027 1418 SCALOGSS EQU SCASIOSS+2	2 SS OF ERROR TABLE DIRECTORY			0010 1472	
	1419 *				0008 1473	
19	0029 1420 SCADSSMS EQU SCALOGSS+2	2 SS OF MAIN STORAGE DUMP AREA			0004 1474	
	002B 1421 SCADSSCS EQU SCADSSMS+2	2 SS OF CONTROL STORAGE DUMP AREA			0002 1475	
	002D 1422 SCADSSIO EQU SCADSSCS+2	2 SS OF I/O PROCESSOR DUMP AREA			0001 1476	
	1423 *				1477	

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01	CHANGE FLAG REASONS - V07/23/79 - AS OF 12/08/81 21:29		LYC7 - 1364 - 7	IBM
02	00022 P10304 SS CP 03 07/18/77 TWB 47E		29 JANUARY 82	PROD
03	00023 P10310 SS CP 03 07/18/77 TWB 47E		COPYRIGHT IBM CORP. 197	
04	00041 P10316 SS DM 03 09/07/77 HDG 47S			
05	00052 P10317 TP SR 03 09/22/77 MLA 48L			
06	00093 P10342 TP SN 03 01/03/78 ACM 48G			

01220000		3188 *** END OF EXPANSION **								08B2 AC 00 2A 57	3236
01230000	5	0836 6C 00 1C 12	3189	MVC	TCBARR-1(1,TCB1),RB\$LEN+\$LDDSS-2(,RB2) SET FLAG		01470100				3237 *
01240000		083A 7D FF 1C	3190	CLI	TCBARR-1(,TCB1),DETACH DETACH REQUEST ?		01470200				3238 *
01250000		083D F2 81 81	3191	JE	DT000015	YES, BYPASS CALC.	01470300				3239 *
01260000	6									08B6 6D 00 26 2A	3240 *
01270000			3192 *				01470400				3241 *
01280000			3193 *		CALCULATE THE PROGRAM SIZE IN #2K BLOCKS		01470500			08BA F2 02 04	3242 *
01290000			3194 *				01470600				
01300000		0840 BB 07 1D	3195	SBF	RB\$LEN+\$ATLOAD(,RB2),X'07'	ENSURE ON 8 BYTE BOUNDARY	01470700			08BD 6C 00 26 2A	3243 *
01301000		0843 6C 01 19 1D	3196	MVC	TCBXR1(2,TCB1),RB\$LEN+\$ATLOAD(,RB2) LOAD ADDR.		01470800				3244 *
01302000		0847 5F 01 1B 1B	3197	SLC	TCBXR2(2,TCB1),TCBXR2(,TCB1) ZERO OUT LINK @		01470900				3245 *
01303000		084B B8 40 27	3198	TBN	RB\$LEN+\$ATFLAG(,RB2),\$ATCOMMON PROG. SUPPORT COMMON ?		01471000				3246 *
01304000		084E F2 10 20	3199	JT	DT000011	YES, ASSUME LINK OF 0	01471100				3247 *
01305000	9									08C1 7C 00 24	3248 *
		0851 68 01 1B 16	3200	MZN	TCBXR2(,TCB1),RB\$LEN+\$LDDLINK-1(,RB2) MOVE IN @		01471200			08C4 7C 00 1D	3249 *
	20	0855 68 02 1A 16	3201	MNZ	TCBXR2-1(,TCB1),RB\$LEN+\$LDDLINK-1(,RB2) MOVE IN @		01471300			08C7 35 02 0200	3250 *

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT										PAGE 34 V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					ERR LOC	OBJECT CODE	ADDR	STMT	
02		002F	1424	SCACONFG EQU	SCADSS10+2	2	SS OF CONFIGURATION RECORD			02		005C	1478	
					1425 *							0080	1479	
03		0031	1426	SCASHIST EQU	SCACONFG+2	2	START SS OF HISTORY FILE			03		0040	1480	
		0033	1427	SCAHFS12 EQU	SCASHIST+2	2	SIZE OF HISTORY FILE					0020	1481	
		0035	1428	SCAHFCUR EQU	SCAHFS12+2	2	SS OF CURRENT HISTORY FILE ENTRY					0010	1482	
					1429 *							0008	1483	
04		0038	1430	SCASMSG1 EQU	SCAHFCUR+3	3	SS-1ST LVL SSP MSG MEMB (**MSG1)			04		0004	1484	
		003B	1431	SCASMSG EQU	SCASMSG1+3	3	SS-SSP HEADINGS MSG MEMB(**MSG2)					0002	1485	
		003E	1432	SCASMSG EQU	SCASMSG+3	3	SS-SSP WK STATN MSG MEMB(**MSG9)					0001	1486	
05		0041	1433	SCASMSG2 EQU	SCASMSG+3	3	SS-2ND LVL SSP MSG MEMB (**MSG4)			05			1487	
					1434 *							1488 *		
06		0044	1435	SCADSSJQ EQU	SCASMSG2+3	3	SS OF INPUT JOB QUEUE FILE			06		005D	1489	
					1436 *							005E	1490	
		0047	1437	SCADSSPR EQU	SCADSSJQ+3	3	SS OF SPOOL PRIMARY FILE					005F	1491	
					1438 *		BEFORE SPOOL IS INITIALIZED DURING IPL THIS FIELD WILL					005F	1492	
					1439 *		BE INITIALIZED TO ONE OF THE FOLLOWING:						1493 *	
					1440 *		X'000000' CANCEL SPOOL.					0060	1494	
					1441 *		X'FF0000' DELETE SPOOL FILE AND CANCEL SPOOL.						1495 *	
					1442 *		X'00N###' WHERE: N = SPOOL FILE SEGMENT SIZE (BLOCKS-1)					0066	1496	
					1443 *		### = NUMBER OF SPOOL FILE SEGMENTS						1497 *	
					1444 *							0067	1498	
09		0049	1445	SCAUSER@ EQU	SCADSSPR+2	2	START ADDRESS OF USER STORAGE			09		0080	1499	
		004B	1446	SCADSBFP EQU	SCAUSER@+2	2	ADDRESS OF SPOOL BUFFER POOL						1500 *	
					1447 *							1501 *		
10		004D	1448	SCADMERP EQU	SCADSBFP+2	2	ADDRESS OF MSP ERROR SAVE AREA			10		0040	1502	
		004D	1449	SCADCPK@ EQU	SCADMERP	2	ADDRESS OF C.P. DISKETTE IOB					0020	1503	
					1450 *							0010	1504	
11		004F	1451	SCADLBF1 EQU	SCADMERP+2	2	ADDRESS OF #LIBRARY FORMAT-1			11		0008	1505	
					1452 *							0004	1506	
12		0051	1453	SCAD1ST EQU	SCADLBF1+2	2	FIRST ACTIVE FORMAT-1 ON CHAIN					0002	1507	
		0052	1454	SCAD#TUB EQU	SCAD1ST+1	1	NUMBER OF LOCAL CONFIG. TUBS			12		0001	1508	
					1455 *							1509 *		
13		0053	1456	SCADBSCT EQU	SCAD#TUB+1	1	NUMBER OF USERS OF BSC DM			13		0068	1510	
					1457 *							1511 *		
		0055	1458	SCADVICE EQU	SCADBSCT+2	2	ADDRESS OF DEVICE ALLOC TABLE					0060	1512	
					1459 *							006B	1513	
14		0057	1460	SCADSEU@ EQU	SCADVICE+2	2	ADDRESS SEU MEMBER CHAIN			14			1514 *	
		0059	1461	SCADSEUQ EQU	SCADSEU@+2	2	SEU QUEUE HEADER					006D	1515	
		0059	1462	SCATPLW@ EQU	SCADSEUQ	2	IPL WORK AREA					006F	1516	
					1463 *							1517 *		
15		005A	1464	SCADSLOG EQU	SCADSEUQ+1	1	SYSLOG ASSIGNED INDICATOR			15			1518 *	
		00E0	1465	SCAMPRT EQU	X'EO'	.	SYSLOG ASSIGNED TO PRINTER						1519 *	
16		0010	1466	SCAMPRT EQU	X'IO'	.	SYSLOG ASSIGNED TO WORK STATION			16		0070	1520	
					1467 *							0080	1521	
17		005B	1468	SCASYS1 EQU	SCADSLOG+1	1	SYSTEM CONFIGURATION BYTE 5			17		0040	1522	
		0080	1469	SCAHFERR EQU	X'80'	.	X'80' - ERROR IN HISTORY FILE					0020	1523	
		0040	1470	SCAM1PLC EQU	X'40'	.	X'40' - IPL-PROCESSING COMPLETE					0010	1524	
		0020	1471	SCAOVER EQU	X'20'	.	X'20' - IPL-OVERRIDE RECEIVED					0008	1525	
		0010	1472	SCAM1PL EQU	X'10'	.	X'10' - IPL-SIGN ON COMPLETE					0004	1526	
		0008	1473	SCAMRBLD EQU	X'08'	.	X'08' - IPL-FILE REBUILD					0002	1527	
		0004	1474	SCAMEJCT EQU	X'04'	.	X'04' - SYSLOG EJECT AT EOJ					0001	1528	
		0002	1475	SCAMPLOCK EQU	X'02'	.	X'02' - CONFIG RECORD LOCK IR31						1529 *	
		0001	1476	SCAMPREP EQU	X'01'	.	X'01' - PREPARE REQUEST ISSUED					0071	1530	
					1477 *							0080	1531	

LYC7 - 1364 - 7										IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT		#SVAU 12/08/81 15:51		
29 JANUARY 82										PROGNO 5726-SS1		REL: RO8-M00		
COPYRIGHT IBM CORP.										1978		LICENSED MATERIAL - PROPERTY OF IBM		
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01470000	08AF F2 90 04	3235	JF	U000014	NO, NOT IN TERMINATION	01474700	092C 6C 00 25 04
01470100	08B2 AC 00 2A 57	3236	MVC	JCBDRGSZ(1,JCB2),JCBDBRG(,JCB2)	RESET JOB REG. SIZE	01474800	0930 BD 00 00
01470200		3237 *				01474900	0933 F2 01 04
01470300		3238 *	SET	TCB@INL3=	LARGER OF PROG. SIZE REQUIRED TO EXECUTE, OR	01475000	
		3239 *	THE	STEP REGION		01475100	0936 5E 00 25 27
01470400	08B6 6D 00 26 2A	3240 *				01475200	093A 5D 00 25 24
01470500	08BA F2 02 04	3241	DT000014	CLC	TCB@INL3(1,TCB1),JCBDRGSZ(,JCB2)	01475300	093E F2 04 04
01470600		3242	JNL	DT000015	NO, STEP REG. NOT >	01475400	
01470700	08BD 6C 00 26 2A	3243	MVC	TCB@INL3(1,TCB1),JCBDRGSZ(,JCB2)	MOVE IN LARGER SIZE	01475500	0941 5C 00 24 25
01470800		3244 *				01480000	0945 BD 00 00
01470900		3245 *	CALCULATE	THE	MAXIMUM SWAPPABLE ACTIVE REGION SIZE NOT INCLUDING	01480000	0948 B5 02 01
01471000		3246 *	THIS	TASK. STORE	VALUE IN TCB@INL1	01520000	094B C0 01 0923
01471100		3247 *				01500000	
	08C1 7C 00 24	3248	DT000015	MVI	TCB@INL1(,TCB1),0	01510000	094F C2 02 0000
01471200	08C4 7C 00 1D	3249	MVI	TCB@ARR(,TCB1),0	ZERO OUT NO. TASK'S ACTIVE	01530000	0953 B8 80 77
01471300	08C7 35 02 020D	3250	L	NU@CPTCB+TCBCHAIN,TCB2	XR2-> FIRST USER TCB	01540000	0956 F2 10 13

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 35		V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
02	005C	1478	SCASYSZ	EQU	SCASYS1+1 1	02	0040
	0080	1479	SCAMATBS	EQU	X'80' . X'80' - COMM TASK BEING ASSIGNED		0020
03	0040	1480	SCAMCHK	EQU	X'40' . X'40' - MASTER CONSOLE CHECK	03	0010
	0020	1481	SCAMHLD	EQU	X'20' . X'20' - HIGH LEVEL DEDICATION		0008
	0010	1482	SCAMPUP	EQU	X'10' . X'10' - IPL - STARTUP PROC (R4)		0004
04	0008	1483	SCAMDATE	EQU	X'08' . X'08' - SYSTEM DATE RECEIVED	04	0002
	0004	1484	SCAMWTC	EQU	X'04' . X'04' - DDDMMY DATE WORLD TRADE		0001
	0002	1485	SCAMDOM	EQU	X'02' . X'02' - YMDYY DATE DOMESTIC		0001
05	0001	1486	SCAMYD	EQU	X'01' . X'01' - YMMDD DATE SPECIAL	05	0073
	1487 *						0076
	1488 *				SYSTEM IPL DATE - IN PACKED FORMAT (YY MM DD)		
06	005D	1489	SCADYEAR	EQU	SCASYSZ+1 1	06	0077
	005E	1490	SCADMNTH	EQU	SCADYEAR+1 1		0078
	005F	1491	SCADDAY	EQU	SCADMNTH+1 1		0080
07	005F	1492	SCADDATE	EQU	SCADDAY 3	07	0040
	1493 *						0020
	0060	1494	SCADCTUT	EQU	SCADDATE+1 1		
	1495 *				COUNT OF USER TASKS IN SYSTEM		
08	0066	1496	SCARDVOL	EQU	SCADCTUT+6 6	08	
	1497 *				DISKETTE VOLUME LABEL		
09	0067	1498	SCARDFMT	EQU	SCARDVOL+1 1	09	
	0080	1499	SCAMPLA	EQU	X'80' . X'80' - IPL AUTOLOADER FLAG (R3)		
	1500 *				0 - IPL DISKETTE, AUTO-YES		
	1501 *				1 - IPL DISKETTE, AUTO-NO		0079
10	0040	1502	SCAM2MFM	EQU	X'40' . X'40' - 2 SIDED - MFM RECORDING	10	0080
	0020	1503	SCAM2FM	EQU	X'20' . X'20' - 2 SIDED - FM RECORDING		0040
	0010	1504	SCAM1FM	EQU	X'10' . X'10' - 1 SIDED - FM RECORDING		
11	0008	1505	SCAM1024	EQU	X'08' . X'08' - RECORD SIZE = 1024	11	
	0004	1506	SCAM0512	EQU	X'04' . X'04' - RECORD SIZE = 512		
	0002	1507	SCAM0256	EQU	X'02' . X'02' - RECORD SIZE = 256		
12	0001	1508	SCAM0128	EQU	X'01' . X'01' - RECORD SIZE = 128	12	
	1509 *						
13	006B	1510	SCADKLRC	EQU	SCARDFMT+4 4	13	007A
	1511 *				DISKETTE VOLUME LRC CHARACTERS		
	0060	1512	SCA1PLWK	EQU	SCADCTUT .		007B
	006B	1513	SCA1PLWT	EQU	SCADKLRC .		007D
	1514 *				IPL WORK AREA (START)		007E
14	006D	1515	SCADM1TUB	EQU	SCADKLRC+2 2	14	007F
	006F	1516	SCADPTUB	EQU	SCADM1TUB+2 2		0080
	1517 *				MASTER CONSOLE TUB ADDRESS		0081
	1518 *				SYSTEM PRINTER TUB ADDRESS		
	1519 *				COMMAND PROCESSOR DISPLACEMENTS AND BIT MASKS		
16	0070	1520	SCADCP51	EQU	SCADPTUB+1 1	16	0084
	0080	1521	SCAMCPL	EQU	X'80' .		
	0040	1522	SCAMALL	EQU	X'40' .		0085
	0020	1523	SCAMSJE	EQU	X'20' .		008A
	0010	1524	SCAMWSE	EQU	X'10' .		
	0008	1525	SCAMSST	EQU	X'08' .		008B
	0004	1526	SCAMJQS	EQU	X'04' .		
	0002	1527	SCAMSEC	EQU	X'02' .		008C
	0001	1528	SCAMERP	EQU	X'01' .		0080
	1529 *				CALL I/O ERP TRANSIENT		0040
19	0071	1530	SCADCP52	EQU	SCADCP51+1	19	
	0080	1531	SCAMKEYS	EQU	X'80' .		0010
					SWITCH BYTE TWO		
					KEY SORT ALL FILES AT SHUT DOWN		

01	#SVAU 12/08/81 15:51	4500 SYMBOL VERSION
02		YOU USED 1913 SYMBOL
03		LENGTH OF MODULE IS 1851

01474300	0928 07 00 07	3276	JF	DT000055	YES, NO VALID REGION Saa093	01640000	0990 C0 01 0030	
01474600	0929 F2 90 19	3279	JF	DT000055	YES, NO VALID REGION Saa093	01640000	0990 C0 01 0030	
01474800	092C 6C 00 25 04	3280	MVC	TCB@INL2(1,TCB1),PUSHIND(,PSH2) MOVE IN SIZE		01642000	09AC 35 01 0141	
01474900	0930 8D 00 00	3281	CLI	PUSHOCH(1C,PSH2),0	LAST ON QUEUE ?	01644000		
01475000	0933 F2 01 04	3282	JNE	DT000042	NO, IT IS NOT	01646000	09B0 C0 87 0976	
01475100	0936 5E 00 25 27	3283	ALC	TCB@INL2(1,TCB1),TCB@INL4(,TCB1) ADD IN FACTOR		01648000		
01475200	093A 5D 00 25 24	3284	DT000042	CLC	TCB@INL2(1,TCB1),TCB@INL1(,TCB1) MAX. ACTIVE ?	01650000		
01475300	093E F2 04 04	3285	JNH	DT000055	NO, NOT GREATER	01660000		
01475400	0941 5C 00 24 25	3286	MVC	TCB@INL1(1,TCB1),TCB@INL2(,TCB1) MAKE NEW MAX ACTIVE		01670000	09B4 7C 00 25	
01475500	0945 8D 00 00	3287	DT000055	CLI	PUSHOCH(1C,PSH2),0	ANY MORE ON QUEUE ? Saa093	01680000	09B7 5C 00 19 2D
01480000	0948 85 02 01	3288	L	PUSHOCH(,PSH2),PSH2	POINT TO NEXT	01690000	09B8 5C 00 1C 18	
01490000	094B C0 01 0923	3289	BNE	DT000040	YES, CHECK NEXT	01700000	09BF 7C 00 18	
01510000	094F C2 02 0000	3290	DT000060	LA	#,TCB2	RELOAD TCB POINTER	01710000	09C2 5E 01 19 19
01520000	0953 88 80 77	3291	DT000070	TBN	TCBSTAT(6(,TCB2),TCBATNS	TASK NON-SWAPPABLE ?	01720000	09C6 5E 01 19 19
01530000	0956 F2 10 13	3292	JT	DT000085	YES, TASK NON-SWAP. Saa093	01730000	09CE 4E 00 25 0E7F	
01540000							09D3 4F 01 19 00AA	
							09D8 C0 84 09CE	

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01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 36	V09/11/81 12/08/81 21:31	01	#SVAU TCB CHANGE ORG OR DE
02	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT			02	ERR LOC OBJECT CODE AD
02	0040 1532 SCAMCOUT EQU X'40' . CONSOLE READY TO OUTPUT MESSAGE			02	00
	0020 1533 SCAMHELP EQU X'20' . HELP FEATURE ACTIVE IR31				00
03	0010 1534 SCAMCPAF EQU X'10' . C. P. USQS ASSIGN FAILURE IR31			03	00
	0008 1535 SCAMMSBL EQU X'08' . REBUILD - EXECUTE REBUILD				00
	0004 1536 SCAMDELE EQU X'04' . REBUILD - DELETE FILES IN ERROR				00
04	0002 1537 SCAMTOLD EQU X'02' . REBUILD - EXAMINE OLD FILES ALSO			04	00
	0001 1538 SCAMTELL EQU X'01' . REBUILD - DISPLAY LABELS IN ERROR				00
	1539 * .				00
05	0073 1540 SCADMGOI EQU SCADCP52+2 2 MESSAGE ORDER INDEX ADDRESS			05	00
	0076 1541 SCADSECA EQU SCADMGOI+3 3 SSS OF SECURITY FILE				00
	1542 * .				00
06	0077 1543 SCADABCT EQU SCADSECA+1 1 AUTO-BUFFER DISABLE COUNT IR31			06	00
	1544 * .				00
07	0078 1545 SCADXTRA EQU SCADABCT+1 1 EXTENDED TRACE INDICATORS IR41			07	00
	0080 1546 SCAMXTRA EQU X'80' . EXTENDED TRACE ACTIVE				00
	0040 1547 SCAMLOTX EQU X'40' . TRACE TRACE LINE 0 (INTRA)				00
	0020 1548 SCAMLOTR EQU X'20' . LOG TRACE LINE 0 (INTRA)				00
08	1549 * EQU X'10' . RESERVED			08	00
	1550 * EQU X'08' . RESERVED				00
	1551 * EQU X'04' . RESERVED				00
09	1552 * EQU X'02' . RESERVED			09	00
	1553 * EQU X'01' . RESERVED				00
	1554 * .				00
10	0079 1555 SCADMCFG EQU SCADXTRA+1 1 DATA MANAGEMENT OPTIONS IR41			10	00
	0080 1556 SCAMDREC EQU X'80' . DELETED RECORD CAPABILITY IR41				00
	0040 1557 SCASPARK EQU X'40' . SEQ. PROC. ADDED REC. BY KEY IR61				00
11	1558 * EQU X'20' . RESERVED			11	00
	1559 * EQU X'10' . RESERVED				00
	1560 * EQU X'08' . RESERVED				00
12	1561 * EQU X'04' . RESERVED			12	00
	1562 * EQU X'02' . RESERVED				00
	1563 * EQU X'01' . RESERVED				00
	1564 * .				00
13	007A 1565 SCADMZK EQU SCADMCFG+1 1 NUMBER NUCLEUS 2K BLOCKS IR41			13	00
	1566 * .				00
14	007B 1567 SCADMCTR EQU SCADMZK+1 1 COUNTER OF MRT JOBS ACTIVE			14	00
	007D 1568 SCADSCIM EQU SCADMCTR+2 2 ADDRESS SYS CONSOLE IMAGE MATRIX				00
	007E 1569 SCADMID# EQU SCADSCIM+1 1 MESSAGE ID # FOR SYS CON REPLY				00
15	007F 1570 SCADRSCZ EQU SCADMID#+1 1 SIZE OF RESOURCE SECURITY FILE			15	00
	0080 1571 SCADSECZ EQU SCADRSCZ+1 1 SIZE OF SECURITY FILE				00
	0082 1572 SCADCPWA EQU SCADSECZ+2 2 COMMAND PROCESSOR WORKAREA ADDRESS				00
	1573 * .				00
16	0084 1574 SCACSATB EQU SCADCPW# 2 2 CONTROL STORE ALLOCATE TABLE			16	00
	1575 * .				00
17	0085 1576 SCADXSLT EQU SCACSATB+1 1 12 SLOT NUMBER (HEX) IR31			17	00
	008A 1577 SCADSL0T EQU SCADXSLT+5 5 12 SLOT NUMBER DECIMAL IR31				00
	1578 * .				00
18	008B 1579 SCADMQNT EQU SCADSL0T+1 1 MESSAGE Q COUNT			18	00
	1580 * .				00
19	008C 1581 SCADCSP1 EQU SCADMQNT+1 1 CSP -----> MSP INTERFACE BYTE			19	00
	0080 1582 SCAM1255 EQU X'80' . MCR ATTACHMENT ON SYSTEM IR21				00
	0040 1583 SCAMARNR EQU X'40' . 12 DISKETTE ATTACHMENT IR31				00
	1584 * EQU X'20' . RESERVED FOR ADDR COMPARE DU'P				00
20	0010 1585 SCAMACDV EQU X'10' . ERROR ON DUMP - PARTIAL DUMP TAKEN			20	00

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01	4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED.	01	#SVAU TCB CHANGE ORG OR D
02	YOU USED 1913 SYMBOLS.	02	ERR LOC OBJECT CODE A
03	LENGTH OF MODULE IS 1051	03	0800

01644000 01646000	15	09B0 C0 87 0976	3326	B	DT000086	GO CHECK NEXT ELEMENT a0093	01990000	15
01648000 01650000 01660000	16		3327 *				02000000	16
			3328 *			CALCULATE OLD SWAP SIZE IN TRACKS	02010000	
			3329 *				02020000	
01670000 01680000 01690000 01700000	17	09B4 7C 00 25 09B7 5C 00 19 2D 09B8 5C 00 1C 18	3330 3331 3332	DT000088 MVC MVC	TCBAINL2(,TCB1),0 TCBAXR1(1,TCB1),TCBAGSIZ(2,TCB1) SET = REGION SIZE TCBAARR-1(1,TCB1),TCBAXR1-1(,TCB1) SAVE BEGL VALUE	SET TO 0 SIZE SWAP a0093 a0041 a0093	02030000 02031000 02032000	17
		09BF 7C 00 18	3333	MVT	TCBAXR1-1(,TCB1),0	ZERO OUT HIGH BYTE a0041	02033000	
		09C2 5E 01 19 19	3334	ALC	TCBAXR1(2,TCB1),TCBAXR1(,TCB1) DOUBLE VALUE	a0041	02034000	
		09C6 5E 01 19 19	3335	ALC	TCBAXR1(2,TCB1),TCBAXR1(,TCB1) TIMES 4	a0041	02035000	
01710000 01720000 01730000	19	09CA 5E 01 19 19 09CE 4E 00 25 0E7F 09D3 4F 01 19 00AA	3336 3337 3338	ALC DT000090 SLC	TCBAXR1(2,TCB1),TCBAXR1(,TCB1) TIMES 8 TCBAINL2(1,TCB1),DT000001 ADD IN 1 TRACK TCBAXR1(2,TCB1),NUASCA+SCADTKSZ DECREMENT BY S/TRK	a0041 a0041 a0041	02036000 02040000 02050000	19
	20	09D8 C0 84 09CE	3339	BH	DT000090	MORE TRACKS a0041	02060000	20

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PAGE 36 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE OR DETACH TRANSIENT	PAGE 37 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE OR DETACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	0008 1586 SCAMACMG EQU X'08' . DISPLAY ADDR COMPARE DUMP MESSAGE	02	
	0004 1587 SCAMACDP EQU X'04' . ADDRESS COMPARE DUMP WAS TAKEN		
03	0002 1588 SCAMACSP EQU X'02' . TASK SUSPENDED BY ADDR COMP DUMP	03	
	0001 1589 SCAMTACT EQU X'01' . TRACE TO DISK ACTIVE		
	1590 * . RESERVED		
04	008D 1591 SCADCSP2 EQU SCADCSP1+1 1 MSP -----> CSP INTERFACE BYTE	04	
	0080 1592 SCAMILGER EQU X'80' . S/32 MODE LOG PRINTER ERROR		
	0040 1593 SCAMPOVK EQU X'40' . PRINTER TRANSLATE FEATURE IR41		
05	0020 1594 SCAMFORX EQU X'20' . FORTRAN EXECUTION SUPPORT IR41	05	
	0010 1595 SCAMFAIL EQU X'10' . LAST 2K OF NUCLEUS ASSIGNED IR81		
	0008 1596 SCAMICR1 EQU X'08' . MICR SUBR08 SSP SUPPORT IR41		
	1597 * EQU X'04' . RESERVED		
06	0002 1598 SCAMICR2 EQU X'02' . MICR SUBR25 SSP SUPPORT IR41	06	
	1599 * EQU X'01' . RESERVED		
	1600 * . RESERVED		
07	008E 1601 SCADCSP3 EQU SCADCSP2+1 1 CSP <-----> MSP INTERFACE BYTE	07	
	0080 1602 SCAMMLCA EQU X'80' . MLCA CONTROLLER ATTACHED IR61		
	0040 1603 SCAMWSCB EQU X'40' . WSC 'B' CONTROLLER ATTACHED IR61		
08	0020 1604 SCAMCFER EQU X'20' . CONFIG RECORD TUB COUNT ERROR IR71	08	
	1605 * EQU X'10' . RESERVED		
	1606 * EQU X'08' . RESERVED		
	1607 * EQU X'04' . RESERVED		
09	0002 1608 SCADTLOK EQU X'02' . TERMINAL UNIT BLOCK CHAIN LOCKED	09	
	1609 * EQU X'01' . RESERVED		
	1610 * . RESERVED		
10	0090 1611 SCADSNAT EQU SCADCSP3+2 2 TCB ADDRESS OF SNA TASK	10	
	1612 * . RESERVED		
11	0091 1613 SCADLIN# EQU SCADSNAT+1 1 COMMUNICATIONS CONFIGURATION	11	
	1614 * . RESERVED		
12	1615 * NOTE: THIS BYTE DESCRIBES HOW THE COMMUNICATION HARDWARE IS	12	
	1616 * DEFINED. BITS 0-3 DESCRIBE COMMUNICATION LINES. BITS 4-7		
	1617 * DESCRIBE AUTOCALL LINES. BITS 0-7 DESCRIBE X.21 LINES.		
	1618 * FOR EXAMPLE:		
13	1619 * AUTOCALL ON LINE 3 AND COMMUNICATIONS ON LINES	13	
	1620 * 1, 2, AND 4 WOULD BE X'D2'.		
	1621 * X.21 ON LINE 1 AND COMMUNICATIONS ON LINE 2		
14	1622 * WOULD BE X'CB'.	14	
	1623 * AUTOCALL AND X.21 ARE MUTUALLY EXCLUSIVE.		
	1624 * . RESERVED		
15	0080 1625 SCAMLIN1 EQU X'80' . COMMUNICATIONS ON LINE 1	15	
	0040 1626 SCAMLIN2 EQU X'40' . COMMUNICATIONS ON LINE 2 IR31		
	0020 1627 SCAMLIN3 EQU X'20' . COMMUNICATIONS ON LINE 3 IR61		
16	0010 1628 SCAMLIN4 EQU X'10' . COMMUNICATIONS ON LINE 4 IR61	16	
	1629 * . RESERVED		
	0008 1630 SCAMACU1 EQU X'08' . AUTO CALL ON LINE 1 IR61		
	0004 1631 SCAMACU2 EQU X'04' . AUTO CALL ON LINE 2 IR61		
	0002 1632 SCAMACU3 EQU X'02' . AUTO CALL ON LINE 3 IR61		
	0001 1633 SCAMACU4 EQU X'01' . AUTO CALL ON LINE 4 IR61		
	1634 * . RESERVED		
18	0088 1635 SCAMX211 EQU X'88' . X.21 ON LINE 1 IR81	18	
	0044 1636 SCAMX212 EQU X'44' . X.21 ON LINE 2 IR81		
	0022 1637 SCAMX213 EQU X'22' . X.21 ON LINE 3 IR81		
19	0011 1638 SCAMX214 EQU X'11' . X.21 ON LINE 4 IR81	19	
	1639 * . RESERVED		

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PAGE 36 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE OR DETACH TRANSIENT	PAGE 37 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE OR DETACH TRANSIENT
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ERR LOC OBJECT CODE
02	0800 2 #SVAU START X'0800'	02	00020000
	3 * COPYR		00030000
03	4 ** COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981 */	03	
	5 ** LICENSED MATERIAL - PROGRAM PROPERTY OF IBM */		
	6 ** REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.*/		
04	7 *** END OF EXPANSION **	04	00040000
	8 *****		00050000

01980000
01990000
02000000
02010000
02020000
02030000
02031000
02032000
02033000
02034000
02035000
02036000
02040000
02050000
02060000

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3383 *
3384 *
3385 *
3386
3387
3388 *
3389
0A48 09 0A4B 3390
0A4C 51 0A4C 3391
0A4D 00 0A4D 3392
3393 *
3394 *
3395 *
3396 *
0A4E 35 02 004F 3397 D
0A52 8F 00 12 0E7F 3398
3399 *

11/81 12/08/81 21:31
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
0095	1640	SCADRE0J	EQU	SCADLN#+4	4 END-OF-JOB SVC
0095	1641	SCAIPLW5	EQU	SCADRE0J	2 IPL WORK AREA
0092	1642	SCADREJ0	EQU	SCADRE0J-3	. START OF END-OF-JOB SVC
1643	*				
0093	1644	SCADCON1	EQU	SCADREJ0+1	. CONSTANT X'01'
1645	*				
0097	1646	SCADTBUF	EQU	SCADRE0J+2	2 COMMUNICATIONS BUFFER SIZE
1647	*				
0098	1648	SCADWSQS	EQU	SCADTBUF+1	1 WORK STATION QUEUE SPACE (1/4K)
1649	*				
0099	1650	SCADSQS	EQU	SCADWSQS+1	1 SYSTEM QUEUE SPACE (1/4K)
1651	*				
009A	1652	SCADTRSZ	EQU	SCADSQS+1	1 TRACE BUFFER SPACE (1/4K)
1653	*				
009B	1654	SCADSN01	EQU	SCADTRSZ+1	1 SNA BATCH TASK USE COUNT IR31
009C	1655	SCADSN07	EQU	SCADSN01+1	1 SNA REMOTE TASK USE COUNT IR31
009D	1656	SCADSDLS	EQU	SCADSN07+1	1 SDLC SECONDARY TASK USE COUNT IR21
009E	1657	SCADSDLP	EQU	SCADSDLS+1	1 SDLC PRIMARY TASK USE COUNT IR31
1658	*				
009F	1659	SCADCFG7	EQU	SCADSDLP+1	1 HISTORY FILE CONFIGURATION IR31
0080	1660	SCAMHWRP	EQU	X'80'	. HISTORY-AUTOMATIC WRAP INDICATOR
1661	*				1 - AUTO WRAP HISTORY FILE
1662	*				0 - NO HISTORY AUTO WRAP
0040	1663	SCAMHDEL	EQU	X'40'	. HISTORY-OVERFLOW FILE DELETE
1664	*				1 - DELETE OVERFLOW FILE
1665	*				0 - DONT DELETE OVERFLOW FILE
0020	1666	SCAMHMT	EQU	X'20'	. HISTORY-REFORMAT OVERFLOW FILE
1667	*				1 - REFORMAT OVERFLOW FILE @ IPL
1668	*				0 - DONT REFORMAT OVEFLOW FILE
0020	1669	SCAMHALC	EQU	X'20'	. HISTORY-ALLOCATE OVERFLOW FILE
1670	*				AFTER IPL
0010	1671	SCAMFLOC	EQU	X'10'	. HISTORY-OVERFLOW FILE PREFERRED
1672	*				LOCATION
1673	*				1 - SPINDLE A1
1674	*				0 - SPINDLE A2
000F	1675	SCAMHVS2	EQU	X'0F'	. HISTORY-OVERFLOW FILE SIZE (BITS
1676	*				4-7 (X'OF') IN MULTIPLES OF THE
1677	*				HISTORY FILE (1-8).
1678	*				
00A2	1679	SCADRSEC	EQU	SCADCFG7+3	3 RESERVED FOR SECURITY USE
1680	*				
00A4	1681	SCADHFUK	EQU	SCADRSEC+2	2 SECTOR OFFSET OF VTOC ENTRY: IR31
1682	*				. HISTORY OVERFLOW FILE, #HISTOVF
1683	*				
00A6	1684	SCADWRK0	EQU	SCADHFUK+2	2 ADDRESS COMPARE WORKAREA ADDR IR31
1685	*				
00A7	1686	SCADCFG8	EQU	SCADWRK0+1	1 SSP CONFIGURATION IR31
1687	*				. RESERVED
0040	1688	SCAMRUSP	EQU	X'40'	. USE WORK STATION PR1' ER IR61
1689	*				. RESERVED
1690	*				. RESERVED
1691	*				. RESERVED IR81
1692	*				. RESERVED
1693	*				. RESERVED IR81

#SVAU TCB CHANGE ORG OR DETACH TRAN
ERR LOC OBJECT CODE ADDR STMT S
1694 *
1695 *
00A8 1696 S
0080 1697 S
1698 *
0040 1699 S
0020 1700 S
0010 1701 S
0008 1702 S
0004 1703 S
0002 1704 S
0001 1705 S
1706 *
1707 *
00A9 1708 S
1709 *
00AB 1710 S
0080 1711 S
0040 1712 S
1713 *
1714 *
1715 *
1716 *
1717 *
1718 *
1719 *
00AC 1720 S
00AD 1721 S
00AF 1722 S
00B1 1723 S
00B3 1724 S
00B3 1725 S
1726 *
1727 *
1728 *
1729 *
1730 *
00B5 1731 S
1732 *
00B7 1733 S
1734 *
00BF 1735 S
1736 *
00C0 1737 S
0080 1738 S
1739 *
1740 *
1741 *
1742 *
1743 *
1744 *
1745 *
1746 *
00C2 1747 S

00020000
00030000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
56	*				RELEASE 3:
57	*				00041 - CHANGE TO SUPPORT PICCOLO DISK
58	*				00093 - SUPPORT SECONDARY SNA
59	*				00052 - PTR P3SCPO21 SRJE SUPPORT FIX
60	*				RELEASE 4:

#SVAU TCB CHANGE ORG OR DETACH TRAN
ERR LOC OBJECT CODE ADDR S
71
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14		3383 *							02360000
		3384 *	TURN OFF SYSTEM IN USE LIGHT IF NO TASKS RUNNING						02380000
		3385 *							02390000
15	0A3F 00 00 0060 0E7F	3386	SLC	NUWSCA+SCADCTUT(1),DTC00001	DECREMENT TASK COUNT				02410000
	0A45 F2 01 06	3387	JNE	DT000107	YES, THEN LEAVE ON				
16		3388 *	LITES CS-OFF		TURN OFF LIGHT				02420000
	0A48 F4 00 50	3389	SVC	SVCC+VT,Q0					
17	0A4B 09	0A4B 3390	DC	XL1'09'	TRANSIENT ID				
	0A4C 51	0A4C 3391	DC	AL1(C0+X'01'+X'50')	INDICATOR BYTE				
	0A4D 00	0A4D 3392	DC	XL1'0'	NOT USED				
18		3393 ***	END OF EXPANSION **						02430000
		3394 *							02440000
		3395 *	SUBTRACT 1 FROM #LIBRARY USE COUNT						02450000
		3396 *							02460000
19	0A4E 35 02 004F	3397	DT000107 L	NUWSCA+SCADLBF1,F12	XR2-> #LIBRARY F1				02470000
	0A52 8F 00 12 0E7F	3398	SLC	F1ADLBUS(1,F12),DTC00001	DECREMENT USE COUNT BY 1				02480000
20		3399 *							

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 39		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		1694 *	EQU	X'01'	. RESERVED (R8)
		1695 *			
03	00A8	1696	SCADCFG9	EQU	SCADCFG8+1 1 REMOTE CONFIGURATION BYTE (R3)
	00B0	1697	SCAMRWSA	EQU	X'80' . REMOTE WORK STATIONS ACTIVE
		1698 *			FOR THIS IPL
04	0040	1699	SCAMRLAV	EQU	X'40' . PERFORM AUTOVARY ONLINE AT IPL
	0020	1700	SCAMRLNV	EQU	X'20' . VARY ONLINE NOT ALLOWED
	0010	1701	SCAMRLJF	EQU	X'10' . VARY ON IN PROCESS BY #RLVJ
05	0008	1702	SCAMRWSV	EQU	X'08' . RWS HAS SET 'SCAMRLNV' (R7)
	0004	1703	SCAMSWAP	EQU	X'04' . REMOTE TASK IS SWAPPABLE
	0002	1704	SCAMRCFG	EQU	X'02' . AT LEAST ONE REMOTE CONFIGURED
06	0001	1705	SCAMRUCF	EQU	X'01' . AT LEAST ONE REMOTE CONFIGURED
		1706 *			FOR IPL AUTO VARY ONLINE
		1707 *			
07	00AA	1708	SCADTKSZ	EQU	SCADTKSZ+2 2 DISK SECTORS PER TRACK (R3)
		1709 *			
	00AB	1710	SCADCFG5	EQU	SCADTKSZ+1 1 SECURITY FEATURES
	00B0	1711	SCAMRSEC	EQU	X'80' . RESOURCE SECURITY
08	0040	1712	SCAMBADG	EQU	X'40' . BADGE READER SECURITY
		1713 *	EQU	X'20'	. RESERVED
09		1714 *	EQU	X'10'	. RESERVED
		1715 *	EQU	X'08'	. RESERVED
		1716 *	EQU	X'04'	. RESERVED
10		1717 *	EQU	X'02'	. RESERVED
		1718 *	EQU	X'01'	. RESERVED
		1719 *			
11	00AC	1720	SCADWBT	EQU	SCADCFG5+1 . WSDM BRANCH TABLE (LOW SIDE) (R2)
	00AD	1721	SCADWDB0	EQU	SCADWBT+1 ---> #WDB0 STORAGE ADDRESS (R2)
	00AF	1722	SCADWDB1	EQU	SCADWBT+3 ---> #WDB1 STORAGE ADDRESS (R3)
12	00B1	1723	SCADWDB2	EQU	SCADWBT+5 ---> #WDB2 STORAGE ADDRESS (R3)
	00B3	1724	SCADWDB3	EQU	SCADWBT+7 ---> #WDB3 STORAGE ADDRESS (R4)
	00B3	1725	SCADWDB4	EQU	SCADWBT+9 ---> #WDB4 STORAGE ADDRESS (R4)
13		1726 *			THIS ADDRESS WILL BE THE ADDRESS
		1727 *			OF ICS DATA MANAGEMENT IF ICS
		1728 *			IS ACTIVE, OTHERWISE IT WILL BE
		1729 *			THE ADDRESS OF THE WORK STATION
14		1730 *			DATA MANAGEMENT ROUTER, #WDBM.
	00B5	1731	SCADWDB5	EQU	SCADWBT+9 ---> #WDB5 STORAGE ADDRESS (R4)
		1732 *	EQU	SCADWBT+11	RESERVED
15	00B7	1733	SCADWDBR	EQU	SCADCFG5+12 12 WSDM BRANCH TABLE (HIGH SIDE)
		1734 *			
16	00BF	1735	SCADRSPC	EQU	SCADWDBR+8 8 RESERVED
		1736 *			
	00C0	1737	SCADCP54	EQU	SCADRSPC+1 1 COMMAND PROCESSOR SWITCH 4 (R8)
17	00B0	1738	SCAMVHLD	EQU	X'80' . VERY HIGH LEVEL DEDICATION
		1739 *	EQU	X'40'	. RESERVED
		1740 *	EQU	X'20'	. RESERVED
18		1741 *	EQU	X'10'	. RESERVED
		1742 *	EQU	X'08'	. RESERVED
		1743 *	EQU	X'04'	. RESERVED
19		1744 *	EQU	X'02'	. RESERVED
		1745 *	EQU	X'01'	. RESERVED
		1746 *			
20	00C2	1747	SCADXP11D	EQU	SCADCP54+2 2 EXT. ADDRESS MAPPING (EXAM) (R6)

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 3		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		71 *	ACE		02520000
		72	*****		
		73 *	1*	3* *	5* 6* 7*
03		74 *	CHAIN	* IAR * MAB * PARM1 * PARM2 *	
		75	*****		

15	0A98 3A 02 0012	3435	DT000109	SBN	LA	NUASCA+SCADCFG1,SCAMJQFM	INDICATE BATCHQ RESTAR	02687200
	0A9C C2 01 0250	3436				NUAECTCB+TCBTTC-1,XR1	POINT TO ECM FOR JOBQ	02688100
16	0AA0 F4 00 03	3437 *		POST		DEV-QHDTTC,PREMPT-NO	POST COMMAND PROCESSOR	02689000
	0AA3 48	0AA3 3439		DC		AL1(QHDTTC)		
	0AA4 80	0AA4 3440		DC		AL1(PREEMPT+0+0)		
17	0AA5 BD 00 12	3441 ***		END OF EXPANSION **				
	0AA9 F2 81 0C	3442	DT00A107	CL1		TCBRTUB-1(C,TCB2),0	ANY REQUESTING TUB?	02690000
		3443		JE		DT00B107	NO, THEN CHECK OTHER	02700000
18	0AAB BD 00 14	3444		CL1		TCBJCBA-1(C,TCB2),0	ANY JCB ASSOC. ?	02702000
	0AAE B5 01 15	3445		L		TCBJCBA(C,TCB2),JCB1	:R1-> JCB	02704000
19	0AB1 78 08 00	3446		TBN		JCBDINIT(C,JCB1),JCBMMRT	THIS A MRT PROC.?	02706000
	0AB4 F2 91 6E	3447		JC		DT000120,X'91'	NO, BYPASS FREES	02708000
20								

15	0AF2 F4 00 07	0A
16	0AF7 01	0A
17	0AF8 35 02 0141	
18	0AFC C0 87 0ABD	
19		
20	0B00 7D 00 30	

H01

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 40		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		1748 *			
	00C1	1749	SCADXM11	EQU	SCADXM1D-1 . EXAM IDS 1-7 R6
		1750 *		EQU	X'80' . RESERVED
03	0040	1751	SCAMSPRK	EQU	X'40' . 01 - DISK DM (SPARK)
	0020	1752	SCAMLSMF	EQU	X'20' . 02 - MLCA SMF
		1753 *		EQU	X'10' . 03 - RESERVED
04		1754 *		EQU	X'08' . 04 - RESERVED
		1755 *		EQU	X'04' . 05 - RESERVED
		1756 *		EQU	X'02' . 06 - RESERVED
05		1757 *		EQU	X'01' . 07 - RESERVED
		1758 *			
	00C2	1759	SCADXM12	EQU	SCADXM1D . EXAM IDS 8-15 R6
06		1760 *		EQU	X'80' . 08 - RESERVED
		1761 *		EQU	X'40' . 09 - RESERVED
		1762 *		EQU	X'20' . 0A - RESERVED
07		1763 *		EQU	X'10' . 0B - RESERVED
		1764 *		EQU	X'08' . 0C - RESERVED
		1765 *		EQU	X'04' . 0D - RESERVED
08		1766 *		EQU	X'02' . 0E - RESERVED
		1767 *		EQU	X'01' . 0F - RESERVED
		1768 *			
09	00C3	1769	SCADCP53	EQU	SCADXM1D+1 1 COMMAND PROCESSOR SWITCH 3 R4
	0080	1770	SCASTOPS	EQU	X'80' . STOP SESSION ACTIVE
	0040	1771	SCAMCKF	EQU	X'40' . REBUILD-DELETE CHECKPOINT FILES
10	0020	1772	SCAMRILP	EQU	X'20' . INITIALIZE LINE PRINTER R5
	0010	1773	SCAMIOCL	EQU	X'10' . MLCA IOCH LOADED R6
	0008	1774	SCAMLATF	EQU	X'08' . MLCA ERROR ATTACH FAILURE R6
11	0004	1775	SCAMFUND	EQU	X'04' . DISKETTE HAS EXTENDED LABELS R7
	0002	1775	SCAMX215	EQU	X'02' . X.21 SWITCHED R8
	0001	1777	SCAMODDD	EQU	X'01' . DISKETTE HAS NON-SEQ. RECORDS R8
12		1778 *			
	00C4	1779	SCADCFG6	EQU	SCADCP53+1 1 CONFIGURATION BYTE 6 R4
13		1780 *			NOTE: THIS BYTE CONTAINS THE SAME BIT MASKS AS SYSTEM CONFIGURATION
		1781 *			BYTE 'CONDCFG6'.
	0080	1782	SCACKRST	EQU	X'80' . CHECKPOINT/RESTART CONFIGURED
		1783 *		EQU	X'40' . RESERVED
14	0020	1784	SCAMSIFC	EQU	X'20' . SIF FEATURE CONFIGURED
	0010	1785	SCAMIFA	EQU	X'10' . DUMP FILE ANALYSIS R5
	0008	1786	SCAMIXC	EQU	X'08' . I EXCHANGE R6
15	0004	1787	SCAMSUBS	EQU	X'04' . SUBCONSOLE SUPPORT R5
	0002	1788	SCAMUASF	EQU	X'02' . SPOOL FILE ACCESS R5
	0001	1789	SCAMEDDM	EQU	X'01' . EXTENDED DISK DATA MAN. R6
16		1790 *			
	00C6	1791	SCADICSA	EQU	SCADCFG6+2 2 ICS COMMUNICATION AREA ADDR R4
		1792 *			
17	00C8	1793	SCADRFR	EQU	SCADICSA+8 8 RESERVED
		1794 *			
	00D6	1795	SCADUCFG	EQU	SCADRFR+8 8 UDT COMM CONFIGURATION R3
18	00D5	1796	SCADUDT1	EQU	SCADUCFG-1 . LINE 1 CONFIGURATION (BYTE 0) R3
	00D3	1797	SCADUDT2	EQU	SCADUCFG-3 . LINE 2 CONFIGURATION (BYTE 0) R3
	00D1	1798	SCADUDT3	EQU	SCADUCFG-5 . LINE 3 CONFIGURATION (BYTE 0) R6
19	00CF	1799	SCADUDT4	EQU	SCADUCFG-7 . LINE 4 CONFIGURATION (BYTE 0) R6
		1800 *			NOTE -----> SEE COMPRESSED UNIT DEFINITION TABLE (UDT)
20		1801 *			DESCRIPTION FOR DEFINITION OF BITS

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 4		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		105 *			ATACH V-EQU 00540000
	000B	106	\$ATLOAD	EQU	X'0B' . LOADER PARM LIST OFFSET
	000C	107	\$ATFLAG	EQU	\$ATLOAD+1 . FIRST FLAG BYTE OFFSET
03	0080	108	\$ATCREAT	EQU	X'80' . CREATE A NEW TCB
	0040	109	\$ATREAL	EQU	X'40' . LOGICAL = REAL TO LINK @
	0020	110	\$ATTUBAS	EQU	X'20' . ON - TUB@ PASSED IN PARM LIST
04		111 *			OFF- JCB@ PASSED IN PARM LIST
	0010	112	\$ATNONAM	EQU	X'10' . ON - DON'T ASSIGN JOB NAME
		113 *			OFF- ASSIGN JOB NAME

#SVAU TCB CHANGE ORG	ERR LOC	OBJECT CODE
	02	
	03	
	04	

OBQ @145	02688100
SOR@145	02699000
	02690000
R @145	02700000
@145	02702000
@145	02704000
@145	02706000
@145	02708000

16	OAF2 F4 00 07	3485	SVC	SVCFREE,QO	ISSUE FREE REQUEST		
	OAF5 0010	OAF6 3486	DC	AL2(FSBLNTH)	LENGTH OF AREA TO FREE		
	OAF7 01	OAF7 3487	DC	AL1(O+1)	FREE FUNCTION BYTE		
		3488	*** END OF EXPANSION **				
17	OAF3 35 02 0141	3489 *	TCB@	R-TCB2	XR2->CURRENT TCB LOOP BACK	@145	02725000
		3490	L	321,TCB2	GET TCB ADDRESS.		
		3491	*** END OF EXPANSION **				
18	OAF2 C@ 87 OABD	3492	B	DT002000	CONTINUE LOOKING FOR FSB'S	@145	02725200
		3493 *				@145	02725400
19		3494 *	IS THERE AN EXTENSION TO THE JCB? IF SO, FREE IT. OTHERWISE,			@145	02725600
		3495 *	FALL THROUGH TO FREE THE JCB.			@145	02725800
		3496 *				@145	02726000
20	OBOO 7D 00 30	3497	DT002020	CL1	JCBDEXT@-1(CJB1),ZERO	IS THERE AN EXTENSION?	@145 02726200

16	OB35 F4 00 0E
	OB38 44
	OB39 6C
	OB3A 60
	OB3B C2 02 020C
18	OB3F F4 00 0E
	OB42 00
	OB43 0C
19	OB44 20
20	OB45 3D 00 0060

H02

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IR61			
IR41			
IR51			
IR61			
IR61			
IR71			
IR81			
IR81			
IR41			
IR41			
IR51			
IR61			
IR51			
IR61			
IR41			
IR31			
IR31			
IR31			
IR61			
IR61			
IR61			

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				PAGE 41	V09/11/81	12/08/81	21:31
	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02		1802 *		WITHIN THE INDIVIDUAL CONFIGURATION				
		1803 *		BYTES. EACH ENTRY IS TWO BYTES LONG.				
03		1804 *		BYTE 0: SEE LABEL 'UDTCMF1'				
		1805 *		BYTE 1: SEE LABEL 'UDTCMF3' FOR BITS 0-3.				
		1806 *		BITS 4-7 ('X'OF') MAP THE DEVICE				
04		1807 *		ADDRESS (PRIORITY) OF THE UDT LINE				
		1808 *		ENTRY. FOR EXAMPLE X'80' MAPS TO				
		1809 *		X'08'. SEE EQUATES BELOW.				
05		0008 1810	SCAMPR80 EQU	X'08'	UDT DEVICE ADDRESS X'80'	IR31		
		0004 1811	SCAMPR40 EQU	X'04'	UDT DEVICE ADDRESS X'40'	IR61		
		0002 1812	SCAMPR20 EQU	X'02'	UDT DEVICE ADDRESS X'20'	IR31		
IR61		0001 1813	SCAMPRI0 EQU	X'01'	UDT DEVICE ADDRESS X'10'	IR61		
06		1814 *						
		0008 1815	SCADKKK@ EQU	SCADUCFG+2	2 KATAKANA/KANJI COM AREA	IR61		
		1816 *						
07		0009 1817	SCADSSPF EQU	SCADKKK@+1	1 SSP FEATURE INDICATORS	IR61		
		0080 1818	SCAMKKKF EQU	X'80'	KATAKANA/KANJI FEATURE	IR61		
08		1819 *	EQU	X'40'	. RESERVED			
		1820 *	EQU	X'20'	. RESERVED			
		1821 *	EQU	X'10'	. RESERVED			
09		1822 *	EQU	X'08'	. RESERVED			
		1823 *	EQU	X'04'	. RESERVED			
		1824 *	EQU	X'02'	. RESERVED			
10		0001 1825	SCAMPX21 EQU	X'01'	X.21 FEATURE	IR81		
		1826 *						
		00FF 1827	SCADCPYR EQU	255	38 COPYRIGHT			
		1828 *						
11		00E0 1829	SCADMATR EQU	SCADCPYR-31	32 TERMINATION DUMP ATR STACK.			
		1830 *			USED BY ABNORMAL TERMINATION			
12		1831 *			WHEN DUMPING MORE THAN 64K OF			
		1832 *			MAIN STORAGE. COPYRIGHT WILL BE			
		1833 *			RESTORED WHEN DUMP IS COMPLETE.			
13		1834 *						
		1835	*** END OF EXPANSION **					

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				PAGE 5	V09/11/81	12/08/81	21:31
	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02		156 *	CSB			00560000		
		157	*****					
03		158 *						
		159 *	EQUATES FOR COMMUNICATIONS SPECIFICATION BLOCK		*			
		160 *	THIS BLOCK IS ADDRESSED FROM THE DTF.		*			
		161	*****					
04		0001 163	CSBDECM EQU	1	EVENT CONTROL MASK			
		0001 164	CSBDMTCB EQU	CSBDECM	MONITOR LINE OWNER TCB @ (COVERLAYS ECM)			
05		0002 165	CSBDMTCB EQU	CSBDECM+1	LINE NUMBER			

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00540000			
N PARM LIST			
NAME			

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				PAGE 5	V09/11/81	12/08/81	21:31
	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02		156 *	CSB			00560000		
		157	*****					
03		158 *						
		159 *	EQUATES FOR COMMUNICATIONS SPECIFICATION BLOCK		*			
		160 *	THIS BLOCK IS ADDRESSED FROM THE DTF.		*			
		161	*****					
04		0001 163	CSBDECM EQU	1	EVENT CONTROL MASK			
		0001 164	CSBDMTCB EQU	CSBDECM	MONITOR LINE OWNER TCB @ (COVERLAYS ECM)			
05		0002 165	CSBDMTCB EQU	CSBDECM+1	LINE NUMBER			

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				PAGE 5	V09/11/81	12/08/81	21:31
	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
02		156 *	CSB			00560000		
		157	*****					
03		158 *						
		159 *	EQUATES FOR COMMUNICATIONS SPECIFICATION BLOCK		*			
		160 *	THIS BLOCK IS ADDRESSED FROM THE DTF.		*			
		161	*****					
04		0001 163	CSBDECM EQU	1	EVENT CONTROL MASK			
		0001 164	CSBDMTCB EQU	CSBDECM	MONITOR LINE OWNER TCB @ (COVERLAYS ECM)			
05		0002 165	CSBDMTCB EQU	CSBDECM+1	LINE NUMBER			

02724800	15	OB32 7C EO 05	3535	MVI	TCBPRIO(C,TCB1),TCBPRUDH	CHANGE TO USER HIGH PRIOR	02980000	0B7E 0080	0B7F 3587
			3536 *	DEQUE	DSPL-TCBPRIQ-1,DEV-QHDPRIQ		02990000	0B80 01	0B80 3588
	16	OB35 F4 00 OE	3537	SVC	SVCQUEUE,QO	SVC FOR SYSTEM DEQUEUE FUNCTION			3589 *** EN
		OB38 44	0B38 3538	DC	ALI(QHDPRIQ)	DISPLACEMENT TO DESIRED QUEUE HEADER		0B81 F4 01 OD	3590
		OB39 6C	0B39 3539	DC	ALI(TCBPRIQ-1)	DISPLACEMENT TO QUEUEING FIELD		0B84 0080	0B85 3591
02725000	17	OB3A 60	0B3A 3540	DC	ALI(SYS+DEQUEUE)	SYSTEM DEQUEUE FUNCTION		0B86 C0 87 0000	3592
			3541 *** END OF EXPANSION **						
		OB3B C2 02 020C	3542	LA	NU8CPTCB+TCBCHAIN-1,XR2	POINT TO CP TCB	03000000		
02725200			3543 *	DEQUE	DSPL-TCBCHAIN-1		03010000		
	18	OB3F F4 00 OE	3544	SVC	SVCQUEUE,QO	SVC FOR USER DEQUEUE FUNCTION			
		OB42 00	0B42 3545	DC	XL1'0'	QUEUE HEADER DISPLACEMENT IS ZERO			
02725600		OB43 0C	0B43 3546	DC	ALI(TCBCHAIN-1)	DISPLACEMENT TO QUEUEING FIELD			
02725800	19	OB44 20	0B44 3547	DC	ALI(DEQUEUE)	USER DEQUEUE FUNCTION			
02726000			3548 *** END OF EXPANSION **						
02726200	20	OB45 3D 00 0060	3549	CLI	MURSCA+SCADCTUT,0	ANY TASK'S ACTIVE	03020000		

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01 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 42	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		1837 *		SVEQU		00760000	1892 *			
		1838 *					0040 1893 SVCF			
		1839 *		SVC R-BTYE	EQUATES		0041 1894 SVCT			
03		1840 *					0042 1895 SVCP			
		0000 1841	SVCGWAIT	EQU	X'00'	GENERAL WAIT	0043 1896 SVCA			
		0001 1842	SVCGPOST	EQU	X'01'	GENERAL POST	0044 1897 SVCC			
04		0002 1843	SVCLWAIT	EQU	X'02'	WAIT	0045 1898 SVCI			
		0003 1844	SVCPPOST	EQU	X'03'	POST	004C 1899 SVCP			
		0004 1845	SVCFXFER	EQU	X'04'	TRANSFER CONTROL/SYSTEM TRANSIENT	1900 *			
05		0005 1846	SVGUNSTK	EQU	X'05'	STACK MANIPULATION	0050 1901 SVCC			
		0006 1847	SVCCASGN	EQU	X'06'	ASSIGN	0051 1902 SVCT			
		0007 1848	SVCFREE	EQU	X'07'	FREE	0052 1903 SVCL			
06		0008 1849	SVCISEC	EQU	X'08'	INCREMENT SYSTEM EVENT COUNTERS	1904 *			
		0009 1850	SVCSNSW	EQU	X'09'	SENSE CONSOLE DATA SWITCHES	005C 1905 SVCK			
		000A 1851	SVCCASN	EQU	X'0A'	ASSIGN SYSTEM QUEUE SPACE SVC	1906 *			
07		000B 1852	SVCPSSVC	EQU	X'0B'	PSEUDO DELAYED SVC POST ACM FUNCTION	1907 * SV			
		000C 1853	SVCLDATR	EQU	X'0C'	LOAD ATRS	1908 *			
		000D 1854	SVCPMR	EQU	X'0D'	ALTER PROGRAM MODE REGISTER (PMR)	0001 1909 Q1			
08		000E 1855	SVCQUEUE	EQU	X'0E'	QUEUE / DEQUEUE SYSTEM CONTROL BLOCKS	0001 1910 QM			
		000F 1856	SVCSCB	EQU	X'0F'	SYSTEM CONTROL BLOCK ACCESS	0001 1911 QRF			
		0010 1857	SVCTXENT	EQU	X'10'	TRANSIENT/TRANSFER-USER SPECIFIED	0002 1912 QNRF			
09		0011 1858	SVCEXIT	EQU	X'11'	TRANSIENT/TRANSFER EXIT SVC	0004 1913 QXLO			
		0012 1859	SVCGETP	EQU	X'12'	GETPAGE	0004 1914 QSYS			
		0013 1860	SVCFREEP	EQU	X'13'	FREEPAGE	0004 1915 QFRM			
10		0014 1861	SVCTIN	EQU	X'14'	* INTERVAL TIMER ENQUEUE	0008 1916 QTOE			
		0015 1862	SVCTID	EQU	X'15'	* INTERVAL TIMER DEQUEUE	0008 1917 QMLA			
		0016 1863	SVCTIR	EQU	X'16'	* INTERVAL TIMER REMAINDER	0008 1918 QCPW			
11		0017 1864	SVCTKWT	EQU	X'17'	ASYNCHRONOUS TASK WAIT	0010 1919 QDCT			
		0018 1865	SVCXNTOF	EQU	X'18'	SET TRANSIENT AREA NOT BUSY	0010 1920 QNQ			
		0019 1866	SVCPSTA	EQU	X'19'	POST ACE SVC	0020 1921 QXR2			
12		001A 1867	SVCLLOG	EQU	X'1A'	LOG TRACE INFORMATION	0040 1922 QXU			
		001B 1868	SVCSQSCAN	EQU	X'1B'	SCAN SYSTEM QUEUE ROUTINE	0000 1923 QO			
		1869 *		EQU	X'1C'	RESERVED	0080 1924 QCSAL			
13		001D 1870	SVCTPOST	EQU	X'1D'	TASK POST	0019 1925 QNQA			
		001E 1871	SVCTWAIT	EQU	X'1E'	TASK WAIT	0018 1926 QNCH			
		001F 1872	SVCTTH	EQU	X'1F'	* TIMER INTERRUPT HANDLER	0009 1927 QSPCE			
14		0020 1873	SVCSQ	EQU	X'20'	ALTER QUIESCE COUNTER	1928 *			
		0021 1874	SVCRENQ	EQU	X'21'	RESOURCE ENQUEUE	00F4 1929 SVCOF			
		0021 1875	SVCRDEQ	EQU	SVCRENQ	RESOURCE DEQUEUE	00F5 1930 SVCFX			
15		0022 1876	SVCDUMP	EQU	X'22'	DUMP MAIN STORAGE/TERMINATE TASK	1931 *** E			
		0023 1877	SVCTEST	EQU	X'23'	TEST AND SET				
		0024 1878	SVCPRIQ	EQU	X'24'	TCB PRIORITY QUEUE				
16		0025 1879	SVCRDYCK	EQU	X'25'	ASYNCHRONOUS TASK READY CHECK.				
		0026 1880	SVCPREP	EQU	X'26'	PREPARE PRINTER OUTPUT				
		0027 1881	SVCDSPCH	EQU	X'27'	DISPATCHER SVC				
17		0028 1882	SVCRPT	EQU	X'28'	REMOTE PRINTER SET UP.				
		0029 1883	SVCSQ	EQU	X'29'	SECTOR ENQUEUE/DEQUEUE				
		002A 1884	SVCMOVE1	EQU	X'2A'	MOVE DATA BY ID				
18		002B 1885	SVCPST1	EQU	X'2B'	POST TASK BY ID				
		002C 1886	SVCLWAIT	EQU	X'2C'	QUIESCE COUNTER WAIT				
		002D 1887	SVCFXAF	EQU	X'2D'	TRANSLATED ASSIGN/FREE				
19		002E 1888	SVCTOD	EQU	X'2E'	RETURN TIME-OF-DAY IN TIMER UNITS				
		1889 *								
20		1890 *				** -INDICATES NOT USEABLE FROM MAIN STORE				

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01/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 6	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		000C 210	CSBDTCB1	EQU	CSBDLST+2	TCB ADDRESS OF TASK ONE	0001 264 CSB			
		000E 211	CSBDTCB2	EQU	CSBDTCB1+2	TCB ADDRESS OF TASK TWO	001B 265 CSB			
03		0010 212	CSBDTCB3	EQU	CSBDTCB2+2	TCB ADDRESS OF TASK THREE	0080 266 CSB			
		0012 213	CSBDTCB4	EQU	CSBDTCB3+2	TCB ADDRESS OF TASK THREE	0040 267 CSB			
		00FF 214	CSBMETCB	EQU	X'FF'	END OF TCBS INDICATOR	0020 268 CSB			
04		0017 215	CSBDRESV	EQU	CSBDTCB4+5	RESERVED SPACE	0010 269 CSB			
		0018 216	CSBDEMON	EQU	CSBDRESV+1	END OF MON CSB FOR REMOTE WORKSTATIONS	0008 270 CSB			
							001D 271 CSB			

02970000	0B7B F4 00 07	3586	SVC	SVCFREE,Q0	ISSUE FREE REQUEST	03200000		
02980000	0B7E 0080	0B7F 3587	DC	AL2(TCBLEN)	LENGTH OF AREA TO FREE			
02990000	0B80 01	0B80 3588	DC	AL1(CO+1)	FREE FUNCTION BYTE			
		3589 *** END OF EXPANSION **						
	0B81 F4 01 0D	3590	SVC	SVCPRM,QWAIT	ENABLE DISPATCHING AND EXIT	03270000		
	0B84 0080	0B85 3591	DC	AL2(CDSABL)	MASK FOR ENABLE	03280000		
	0B86 C0 87 0000	3592	B	0	PROC CHECK IF EVER GET HERE	03290000		
03000000								
03010000								
03020000								

H04

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 43		V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
01						01	
02		1892 *		DELAYED SVC R-BYTE EQUATES		02	
	0040	1893	SVCFD	EQU X'40'	DISK IOS		
	0041	1894	SVCIO	EQU X'41'	DISKETTE IOCS		
03		0042	1895	SVCPT	EQU X'42'	03	
		0043	1896	SVCWSC	EQU X'43'		
		0044	1897	SVCCOMM	EQU X'44'		
04		0045	1898	SVCIOXNT	EQU X'45'	04	
		004C	1899	SVCPSVC	EQU X'4C'		
		1900 *		X'46' -> X'4F'	RESERVED FOR I/O SVC'S		
05		0050	1901	SVCXNT	EQU X'50'	05	
		0051	1902	SVCTWA	EQU X'51'		
		0052	1903	SVCLOAD	EQU X'52'		
06		1904 *		X'53' -> X'5C'	RESERVED FOR DELAYED SVC'S	06	
		005C	1905	SVCKBTR	EQU X'5C'		
		1906 *					
07		1907 *		SVC Q CODE EQUATES		07	
		1908 *					
		0001	1909	Q1	EQU X'01'		
08		0001	1910	QWAIT	EQU X'01'	08	
		0001	1911	QREFRESH	EQU X'01'		
		0002	1912	QREF	EQU X'02'		
09		0004	1913	QXLOFF	EQU X'04'	09	
		0004	1914	QSYSREQ	EQU X'04'		
		0004	1915	QFMEXM	EQU X'04'		
10		0008	1916	QTOEXM	EQU X'08'	10	
		0008	1917	QWAIT	EQU X'08'		
		0008	1918	QCPWAIT	EQU X'08'		
11		0010	1919	QSCT	EQU X'10'	11	
		0010	1920	QNQ	EQU X'10'		
		0020	1921	QXR2	EQU X'20'		
12		0040	1922	QXU	EQU X'40'	12	
		0000	1923	Q0	EQU X'00'		
		0080	1924	CSCALL	EQU X'80'		
13		0019	1925	QNONV	EQU QNQ+QWAIT+QWAIT	13	
		0018	1926	QNHCPRI	EQU QNQ+QWAIT		
		0009	1927	QSPEC	EQU QWAIT+QWAIT		
14		1928 *				14	
		00F4	1929	SVCOP	EQU X'F4'		
		00F5	1930	SVCXFR	EQU X'F5'		
15		1931 *** END OF EXPANSION **				15	

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 7		V09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	ERR LOC	OBJECT CODE
01						01	
02		0001	264	CSBMMRWR	EQU X'01'	02	
		001B	265	CSBDSTB2	EQU CSBDSTB1+1		
		0080	266	CSBMSNAQ	EQU X'80'		
03		0040	267	CSBMCANC	EQU X'40'	03	
		0020	268	CSBMDMPT	EQU X'20'		
		0010	269	CSBMDMPT	EQU X'10'		
04		0008	270	CSBMMHLT	EQU X'08'	04	

03270000	03280000	03290000	15	OBD3 C0 87 0D34	3627 * 3628 * 3629	3627 * ACTIVE TASK TO SLEEP, THEREFORE RETURN ERROR CODE TO CALLER B DERROR	ERROR,	04120000 04120000 04140000	15	OC21 35 01 0141	3671 *** 3672 3673
			16	OBD7 03 OBD8 7D 00 1D OBDB F2 01 06	OBD7 3630 3631 DT000255 CLI 3632	DC ALI(\$ATERRO3) TCBARR(\$TCB1),0 JNE DT000257	IF WILL PUT TASK TO SLEEP THIS ONLY ACTIVE TASK NO, ENSURE 14K THEN	04150000 04160000 04170000	16	OC2E 06 OC2F 5C 00 26 2D	OC2E 3674 3675 3676 *TO 3677 DT 3678 ***
			17	OBDE 7D 05 19 OBE1 F2 02 08	3633 3634	CLI TCBARR(\$TCB1),0 JNL DT000260	10K SWAPPABLE LEFT ? YES, 10K LEFT	04180000 04190000	17	OC33 35 01 0141	3679 3680 * 3681 * 3682 *
			18	OBE4 7D 07 19 OBE7 F2 02 05	3635 DT000257 CLI 3636	TCBARR(\$TCB1),7 JNL DT000260	14K SWAPPABLE LEFT ? YES, 14K LEFT	04200000 04210000	18	OC37 4C 01 29 0D4C	3683 DT 3684 3685
			19	OBEA C0 87 0D34	3637	B DERROR	GO TO ERROR ROUTINE	04220000	19	OC3C 4E 00 2B 0E7F OC41 4F 00 2A 0EA7 OC46 F2 81 03	3686 * 3687 * 3688 * 3689 * 3690 * 3691 * 3692 *
			20						20		

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01/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 44	V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		1933 * TCB	00780000
03		1934 *****	
04		1935 * T C B	
05		1936 *****	
06		1937 *00 * * * * * * * * * * * *	
07		1938 * STAT1 * STAT2 * UNMSK * UNMSK2 * * STAT3 * PRIOR * TTIME * QCNT *	
08		1939 *****	
09		1940 *08 * * * * * *	
10		1941 * CMLPQ * PUSH * * CHAIN * RDYQ *	
11		1942 *****	
12		1943 *10 * * * * *	
13		1944 * XNTQ * RTUB * * JCBa * CRB *	
14		1945 *****	
15		1946 *18 * * * * *	
16		1947 * aXR1 * aXR2 * * aARR * aIAR *	
17		1948 *****	
18		1949 *20 * * * * * *	
19		1950 * PMR * PSR * R * Q * * aINL1 * aINL2 * aINL3 * aINL4 *	
20		1951 *****	
01		1952 *28 * * * * *	
02		1953 * TSSN * BEGL * * MSSIZ * RGSIZ * SPOOL *	
03		1954 *****	
04		1955 *30 * * * * *	
05		1956 * * * * *	
06		1957 *****	
07		1958 *38 * * * * *	
08		1959 * ATRS	
09		1960 *****	
10		1961 *40 * * * * *	
11		1962 * * * * *	
12		1963 *****	
13		1964 *48 * * * * *	
14		1965 * * * * *	
15		1966 *****	
16		1967 *50 * * * * *	
17		1968 * TTC * TWA * * WSWA * LDREL *	
18		1969 *****	
19		1970 *58 * * * * *	
20		1971 * LDDSK * INVCT * * ASGQ * EXIT *	
01		1972 *****	
02		1973 *60 * * * * *	
03		1974 * TQE	
04		1975 *****	
05		1976 *68 * * * * *	
06		1977 * SQBC * LCKMK * SSTID * TSKID * * PRIQ * STAT4 * STAT5 *	
07		1978 *****	
08		1979 *70CATH * * * * *	
09		1980 * ANJCT * CAT * MRTMX * NSCNT * * CNENT * IQCNT * ARQCT * STAT6 *	
10		1981 *****	
11		1982 *78 * * * * *	
12		1983 * BAT * SUSPS * SMFPT * * TWAST * X * *	
13		1984 *****	

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01/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 8	V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		0023 318 CSBM3211 EQU X'23' IBM ATTACHMENT ERROR	
03		0024 319 CSBM3212 EQU X'24' IBM MODEM FAILURE	
04		0025 320 CSBM3213 EQU X'25' IBM EQUIPMENT TEST OK	
05		0026 321 CSBM321X EQU X'26' 3210 MSG WITH 2 AND 3 OPTIONS	
06		0027 322 CSBM3299 EQU X'27' BSC TASK ABORT	
07		0028 323 CSBM3214 EQU X'28' SET SWITCH FOR JAPANESE MODEM	
08		0029 324 CSBM321Y EQU X'29' 3210 MSG WITH NO OPTIONS	

04120000 04130000 04140000	15	OC25 4C 01 29 ODAC OC2A C0 87 0D34	3671 *** END OF EXPANSION ** 3672 MVC TCBTSSN-1(2,TCB1),ALSSS 3673 B DTEROR	MOVE IN ALLCATED SS GO RETURN ERROR	04530000 04540000	15	OCB0 1C 00 000E 24 OCB5 B8 40 27 OCB8 F2 90 04	3720 DTC 3721 3722
04150000 04160000 04170000	16	OC2E 06 OC2F 5C 00 26 2D	OC2E 3674 DC AL1(\$ATERR06) 3675 MVC R-TCB1,TCBRGS12(,TCB1) RESET REGION SIZE	ERROR CODE XR1-> TCB	04550000 04555000 04560000	16	OCBB AC 01 17 1D OCBF 2C 0B 0F08 1D OCC4 3C 0E 0E0D OCC8 B8 04 1E OCCB F2 10 04	3723 3724 DTC 3725 3726 3727
04180000 04190000	17	OC33 35 01 0141	3677 DT000280 L 321,TCB1 GET TCB ADDRESS. 3678 *** END OF EXPANSION **			17	OCCE 3C 0F 0E0D OCD2 6C 00 2D 1F OCD6 7D 05 2D OCD9 F2 04 0C	3728 3729 DTC 3730 3731
04200000 04210000 04220000	18	OC37 4C 01 29 ODAC	3679 MVC TCBTSSN-1(2,TCB1),ALSSS 3680 * 3681 * FREE ALL OF STORAGE EXCEPT FIRST 2K BLOCK 3682 *	MOVE IN ALLCATED SS	04570000 04580000 04590000 04600000	18	OCDC 7D 00 14	3732
	19	OC3C 4E 00 2B 0E7F OC41 4F 00 2A 0EA7	3683 DT000290 ALC TCBBEGL(1,TCB1),DTC00001 3684 SLC TCBTSSN(1,TCB1),DTC00008	ADD 1 TO BEGL VALUE DECREMENT N BY 8	04610000 04620000	19		
	20	OC46 F2 81 03	3685 JE DT000300	ONLY 2K ASSIGNED	04630000	20		

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11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 45	V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
00780000	02	1986	***** THE FOLLOWING FIELDS ARE ORDER DEPENDENT ***** 0000 1987 TCBSTAT1 EQU 0 TCB STATUS BYTE 1	02	0040 2040 T	0020 2041 T
	03	0080 1989 TCBWAIT EQU X'80'	. TASK IS NOT ON READY QUEUE	03	0008 2043 T	0004 2044 T
	04	0040 1990 TCBXWAPD EQU X'40'	. TASK IS SWAPPED TO DISK.	04	0002 2045 T	0001 2046 T
	05	0020 1991 TCBFORCED EQU X'20'	. TASK FORCED TO SWAP(= DISPATCHABLE)	05	0005 2048 T	00FF 2050 T
	06	0010 1992 TCBLONGW EQU X'10'	. TASK IS QUIESCED - TCBQCNT = 0	06	00FC 2051 T	00F0 2052 T
	07	0008 1993 TCBSDP EQU X'08'	. TASK HAS SWAP OUT I/O IN PROGRESS	07	00F0 2053 T	00F4 2054 T
	08	0004 1994 TCBJUSTIN EQU X'04'	. SET ON WHEN TASK SWAPPED IN.	08	00F3 2055 T	00F0 2056 T
	09	0004 1995 TCBFSWAP EQU X'04'	. SET ON WHEN TASK FULLY SWAPPED OUT.	09	00F4 2057 T	00F8 2058 T
	10	0002 1996 TCBNOI0 EQU X'02'	. NO I/O REQ. FOR SWAP INDICATOR	10	00F9 2059 T	00F0 2060 T
	11	0001 1997 TCBNSWAP EQU X'01'	. TASK IS NEVER SWAPPABLE	11	00F0 2061 T	00F0 2062 T
	12	0001 1999 TCBSTAT2 EQU TCBSTAT1+1	TCB STATUS BYTE 2	12	00F0 2063 T	00F0 2064 T
	13	0080 2001 TCBWAITD EQU X'80'	. TASK WAITING FOR EVENT COMPLETION	13	00F0 2065 T	00F0 2066 T
	14	0040 2002 TCBXWAIT EQU X'40'	. TASK WAITING FOR TRANSIENT AREA	14	00F0 2067 T	00F0 2068 T
	15	0020 2003 TCBGWAIT EQU X'20'	. TASK WAITING FOR GENERAL POST	15	00F0 2069 T	00F0 2070 T
	16	0010 2004 TCBOWAIT EQU X'10'	. TASK WAITING FOR DEDICATED TTC	16	00F0 2071 T	00F0 2072 T
	17	0008 2005 TCBTWAIT EQU X'08'	. TASK WAITING FOR INTERNAL DYLD SVC	17	00F8 2073 T	00F1 2074 T
	18	0004 2006 TCBTWAIT EQU X'04'	. TASK WAITING FOR TIMER ELAPSE	18	0000 2075 T	00E0 2076 T
	19	0002 2007 TCBUSUSP EQU X'02'	. TASK IS SUSPENDED (SEE TCBUSUSPS FOR REASON)	19	00D1 2077 T	2078 *
	20	2008 *	. RESERVED	20	2079 *	00D0 2080 T
		2009 * EQU X'01'	. RESERVED		00C0 2081 T	2082 *
		008E 2010 TCBNRDY EQU TCBWAITD+TCBOWAIT+TCBGWAIT+TCBOWAIT+TCBUSUSP+TCBTWAIT			00B0 2082 T	2083 *
		0002 2012 TCBUMASK EQU TCBSTAT2+1	FIRST WAIT MASK		0080 2084 T	0006 2086 T
		0080 2014 TCBWAIT EQU X'80'	. SQS ASSIGN FAILURE		0007 2088 T	0009 2089 T
		0040 2015 TCBXWAIT EQU X'40'	. TWA ALLOCATE FAILURE		2090 *A	000B 2092 T
		0020 2016 TCBTAS EQU X'20'	. TEST AND SET FAILURE		000D 2093 T	
		0010 2017 TCBOWAIT EQU X'10'	. WSQS ASSIGN FAILURE			
		0008 2018 TCBOWAIT EQU X'08'	. RESOURCE ENQUEUE POST CODE			
		2019 *	NOTE: THE ABOVE BIT IS NOT ON WHEN TASK IS IN GENERAL WAIT. HENCE			
		2020 *	ANY GENERAL WAIT WITH BOTH MASK BYTES ALL ZERO IS			
		2021 *	A RESOURCE ENQUEUE FAILURE.			
		0004 2022 TCBRWAIT EQU X'04'	. DISK RESOURCE FAILURE			
		0002 2023 TCBFWAIT EQU X'02'	. DISK SECTOR ENQUEUE FAILURE			
		0001 2024 TCBKWAIT EQU X'01'	. WORKSTATION RELEASE WAIT			
		0003 2026 TCBUMSK2 EQU TCBUMASK+1	SECOND WAIT MASK			
		0080 2028 TCBPRTWT EQU X'80'	. PRINTER ALLOCATE FAILURE			
		0040 2029 TCBLINEJT EQU X'40'	. COMM. LINE ALLOCATE FAILURE			
		0020 2030 TCBDKTWT EQU X'20'	. DISKETTE ALLOCATE FAILURE			
		0010 2031 TCBDSKWT EQU X'10'	. DISK SPACE ALLOCATION FAILURE			
		0008 2032 TCBDEVWT EQU X'08'	. OTHER DEVICES ALLOCATION FAILURE			
		0004 2033 TCBICKWT EQU X'04'	. ICS TRANSIENT WAITOR			
		0002 2034 TCBASRWT EQU X'02'	. ASSIGN RECOVERY FORCED WAITER			
		2035 *	. RESERVED			
		0004 2037 TCBSTAT3 EQU TCBUMSK2+1	TCB STATUS BYTE 3			
		0080 2039 TCBTERM EQU X'80'	. TASK IS IN TERMINATION			

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9/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 9	V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TR		
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
	02			02	401	
	03	0023 373 CSBDCNFG EQU CSBDBMS1+1	CNFG BYTE USED BY #BSCL	03	0000 402	
	04	0026 374 CSBDRSRV EQU CSBDCNFG+3	** RESERVED **		0080 403	
		0027 375 CSBDRPM1 EQU CSBDRSRV+1	BSC MESSAGE PARM		0040 404	
					0020 405	
					0021 406	
					0022 407	

04530000	15
04540000	
04550000	16
04555000	
04560000	
04570000	17
04580000	
04590000	
04600000	18
04610000	
04620000	19
04630000	
04640000	20

OCAC 5C 00 24 26	3719	MVC	TCB@INL1(1,TCB1),TCB@INL3(,TCB1)	MAKE NEW MAX ACTIVE	04960000	
OCB0 1C 00 00E 24	3720	DT000350	MVC	NUBSCA+SCAMAXRG(1),TCB@INL1(,TCB1)	MAKE NEW MAX ACTIVE	04970000
OCB5 B8 40 27	3721	TBN	RB\$LEN+\$ATFLAG1(,RB2),\$ATCOMMON	PROGRAM SUPPORT COMMON ?	04980000	
OCB8 F2 90 04	3722	JF	DT000355	NO, BYPASS SC@ UPDATE	04990000	
OCBB AC 01 17 1D	3723	MVC	RB\$LEN+\$LDDLINK(2,RB2),RB\$LEN+\$ATLOAD(,RB2)	SET LINK=LOD	05000000	
OCBF 2C 0B 0F08 1D	3724	DT000355	MVC	ATLDPRM+\$ATLOAD(\$LDDLLEN),RB\$LEN+\$ATLOAD(,RB2)	FETCH PRM	05010000
OCC4 3C 0E 0E0	3725	MVI	ATPMRSET+2,OP1+OP2+PRV+IARX	SET TASK TO PRIVILEGED	05020000	
OCC8 B8 04 1E	3726	TBN	RB\$LEN+\$ATFLAG1(,RB2),\$ATPRIV	IS TASK TO BE PRIVILEGED?	05030000	
OCCB F2 10 04	3727	JT	DT000360	YES, LEAVE PMR AS IS	05040000	
OCCE 3C 0F 0E0	3728	MVI	ATPMRSET+2,OP1+OP2+NPRV+IARX	SET TASK TO BE NON-PRIV.	05050000	
OCD2 6C 00 2D 1F	3729	DT000360	MVC	TCBRGSIZ(1,TCB1),RB\$LEN+\$ATMSSIZE(,RB2)	SET REGION SIZE	05060000
OCDE 7D 05 2D	3730	CLI	TCBRGSIZ(,TCB1),5	CORE SIZE > 10K?	aa093	05061000
OCD9 F2 04 0C	3731	JNH	DT000365	NOT GREATER THAN 10K	aa093	05062000
OCDC 7D 00 14	3732	CLI	TCBJCB@-1(,TCB1),0	ANY JCB ASSOC.?	aa093	05063000

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H07

45 V09/11/81 12/08/81 21:31	01
WWW	02
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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 46	V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
0040 2040	TCBCHKPT EQU	X'40' . THIS TASK IS BEING CHECKPOINTED
0020 2041	TCBEXTRA EQU	X'20' . EXTENDED TRACE ACTIVE
0010 2042	TCBCCALL EQU	X'10' . CLOSE HAS BEEN CALLED INDICATOR
0008 2043	TCBKCALL EQU	X'08' . KEYSORT HAS BEEN CALLED INDICATOR
0004 2044	TCBSUSPD EQU	X'04' . SUSPEND FROM SYS OPERATOR PENDING
0002 2045	TCBMEPD EQU	X'02' . DATA MODE ESCAPE PENDING
0001 2046	TCBINQPD EQU	X'01' . INQUIRY PENDING
0005 2048	TCBPRIOR EQU	TCBSTAT3+1 QUEUEING PRIORITY
00FF 2050	TCBPRINV EQU	X'FF' INVALID PRIORITY(CAN NOT BE USED)
00FC 2051	TCBPRCP EQU	X'FC' COMMAND PROCESSOR PRIORITY
00F0 2052	TCBPRSP EQU	X'F0' SPOOL PRIORITY
00F0 2053	TCBPRMR EQU	X'F0' MRJE PRIORITY
00F4 2054	TCBPRBSC EQU	X'F4' BCS PRIORITY
00F3 2055	TCBPREM EQU	X'F3' 3270 EMULATION PRIORITY
00F0 2056	TCBPREXT EQU	X'F0' EXTENDED TRACE PRIORITY
00F4 2057	TCBPRITH EQU	X'F4' BCS PRIORITY FOR 3270 I/H
00F8 2058	TCBPRSDP EQU	X'F8' SDLC PRIORITY (PRIMARY)
00F9 2059	TCBPRSDS EQU	X'F9' SDLC PRIORITY (SECONDARY)
00F0 2060	TCBPRSN1 EQU	X'F0' SNA 1 PRIORITY
00F0 2061	TCBPRSNR EQU	X'F0' SNA 2 PRIORITY
00F0 2062	TCBPRBLD EQU	X'F0' REBUILD PRIORITY
00F0 2063	TCBPRSRJ EQU	X'F0' SRJE PRIORITY
00F0 2064	TCBPRSNF EQU	X'F0' SNUF SUBSYSTEM PRIORITY
00F0 2065	TCBPRPER EQU	X'F0' SNA PEER SUBSYSTEM PRIORITY
00F0 2066	TCBPRCCP EQU	X'F0' CCP SUBSYSTEM PRIORITY
00F0 2067	TCBPRCIC EQU	X'F0' CICS SUBSYSTEM PRIORITY
00F0 2068	TCBPRIMS EQU	X'F0' IMS SUBSYSTEM PRIORITY
00F0 2069	TCBPRBEL EQU	X'F0' BSCCL SUBSYSTEM PRIORITY
00F0 2070	TCBPRINT EQU	X'F0' INTRA SUBSYSTEM PRIORITY
00F0 2071	TCBPRBTS EQU	X'F0' BSC 3270 PRIORITY
00F0 2072	TCBPRGCE EQU	X'F0' MLCA CONTROLLER CHECK ERROR ROUTINE
00FB 2073	TCBPRSMF EQU	X'FB' SMF PRIORITY
00F1 2074	TCBPRDOF EQU	X'F1' SOURCE DOFF PRIORITY *KEEP UNIQUE*
0000 2075	TCBPRSWT EQU	X'00' SMF WAIT TASK PRIORITY
00E0 2076	TCBPRUDH EQU	X'E0' USER DEFINED HIGH PRIORITY
00D1 2077	TCBPRUDM EQU	X'D1' MEDIUM PRIORITY
2078	* USE TCBPRUDM FOR THE SVCPRIQ (CHAP) SVC. IN THE TCB, THE VALUE IN	
2079	* TCBPRIOR WILL BE TCBPRCNV AND BIT TCBUDMPR WILL BE SET IN TCBBAT.	
00D0 2080	TCBPRCNV EQU	X'D0' CONVERSATIONAL PRIORITY
00C0 2081	TCBPRBCH EQU	X'C0' BATCH PRIORITY
2082	* NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRCNV DYNAMICALLY	
2083	* CHANGED TO/FROM TCBPRBCH BE THE SYSTEM SUPERVISOR.	
00B0 2084	TCBPRUDL EQU	X'B0' LOW PRIORITY
0006 2086	TCBRTIME EQU	TCBPRIOR+1 TASK RESIDUAL TIME INTERVAL.
0007 2088	TCBQCNT EQU	TCBRTIME+1 QUIESCE COUNTER
0009 2089	TCBCHPLQ EQU	TCBQCNT+2 TASK EVENT CONTROL QUEUE HEADER
2090	*AAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAA	
000B 2092	TCBPUSH EQU	TCBCHPLQ+2 PUSH ELEMENT Q-HEADER
000D 2093	TCBCHAIN EQU	TCBPUSH+2 SYSTEM EXISTENCE QUEUE CHAINING FIELD

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 10	V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
401	*	ECM 00580000
0000 402	ECMPARM EQU	0 PARM BYTE OFFSET
0080 403	ECMNSKIP EQU	X'80' DO NOT SKIP ON MULT. WAIT INDICATOR
0040 404	ECMREAL EQU	X'40' DATA ADDRESS IN IOB IS REAL INDICATOR
0020 405	ECMTTC EQU	X'20' TASK-TASK COMMUNICATIONS INDICATOR
0021 406	ECMIERR EQU	X'21' I/O ERROR INDICATOR
0022 407	ECMIND EQU	X'22' INDUPLY INDICATOR

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9 V09/11/81 12/08/81 21:31	01
	02
	03
	04

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 10	V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
401	*	ECM 00580000
0000 402	ECMPARM EQU	0 PARM BYTE OFFSET
0080 403	ECMNSKIP EQU	X'80' DO NOT SKIP ON MULT. WAIT INDICATOR
0040 404	ECMREAL EQU	X'40' DATA ADDRESS IN IOB IS REAL INDICATOR
0020 405	ECMTTC EQU	X'20' TASK-TASK COMMUNICATIONS INDICATOR
0021 406	ECMIERR EQU	X'21' I/O ERROR INDICATOR
0022 407	ECMIND EQU	X'22' INDUPLY INDICATOR

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 10	V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
401	*	ECM 00580000
0000 402	ECMPARM EQU	0 PARM BYTE OFFSET
0080 403	ECMNSKIP EQU	X'80' DO NOT SKIP ON MULT. WAIT INDICATOR
0040 404	ECMREAL EQU	X'40' DATA ADDRESS IN IOB IS REAL INDICATOR
0020 405	ECMTTC EQU	X'20' TASK-TASK COMMUNICATIONS INDICATOR
0021 406	ECMIERR EQU	X'21' I/O ERROR INDICATOR
0022 407	ECMIND EQU	X'22' INDUPLY INDICATOR

04960000	14
04970000	14
04980000	15
04990000	15
05000000	16
05010000	16
05020000	17
05030000	17
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05060000	18
05061000	19
05062000	19
05063000	20

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
000F	2094	TCBRDYQ	EQU	TCBCHAIN+2	SYSTEM READY QUEUE CHAINING FIELD
000F	2095	TCBSWAPQ	EQU	TCBRDYQ	SYSTEM READY QUEUE SPECIAL EQUATE
0011	2096	TCBXNTQ	EQU	TCBRDYQ+2	SYSTEM TRANSIENT QUEUE CHAINING FIELD
0013	2097	TCBRRTUB	EQU	TCBXNTQ+2	TUB ADDRESS OF REQUESTOR
2099	*XXXXXXXXXX				THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXX
0015	2100	TCBJCBA	EQU	TCBRRTUB+2	ADDRESS OF TASK JOB CONTROL BLOCK
0017	2101	TCBCRB	EQU	TCBJCBA+2	CURRENT REQUEST BLOCK POINTER
0018	2102	TCBARSE	EQU	TCBCRB+1	REGISTER SAVE ELEMENT (LEFT BYTE)
0019	2103	TCBXR1	EQU	TCBCRB+2	. CURRENT XR1
0016	2104	TCBXR2	EQU	TCBXR1+2	. CURRENT XR2
001D	2105	TCBARR	EQU	TCBXR2+2	. CURRENT ARR
001F	2106	TCBIAR	EQU	TCBARR+2	. CURRENT IAR
0021	2107	TCBAPSMR	EQU	TCBIAR+2	. CURRENT PMR/PSR
0023	2108	TCBARQ	EQU	TCBAPSMR+2	. CURRENT R AND Q BYTES
0024	2109	TCBAINL1	EQU	TCBARQ+1	. INLINE PARM 1
0025	2110	TCBAINL2	EQU	TCBAINL1+1	. INLINE PARM 2
0026	2111	TCBAINL3	EQU	TCBAINL2+1	. INLINE PARM 3
0027	2112	TCBAINL4	EQU	TCBAINL3+1	. INLINE PARM 4
0027	2113	TCBRSE	EQU	TCBCRB+16	CURRENT REGISTER SAVE ELEMENT
2114	*XXXXXXXXXX				THE ABOVE FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXX
2116	*XXXXXXXXXX				THE FOLLOWING FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXX
002A	2117	TCBTSSN	EQU	TCBRSE+3	TASK DISK ADDR IN SWAP AREA.
002B	2118	TCBBEGL	EQU	TCBTSSN+1	LOGICAL PROGRAM BEGIN ATR NUMBER.
002B	2119	TCBECMGW	EQU	TCBBEGL	FOUR BYTE ECM FOR CP WSQS FAILURES
002C	2120	TCBMSSIZ	EQU	TCBBEGL+1	CURRENT SIZE OF MAIN STORE ALLOCATED.
002D	2121	TCBRGSIZ	EQU	TCBMSSIZ+1	TASK REGION SIZE (MAX. TCBMSSIZ)
2122	*XXXXXXXXXX				THE ABOVE FIELDS ARE ORDER DEPENDENT XXXXXXXXXXXX
002F	2124	TCBSPPOOL	EQU	TCBRGSIZ+2	SPOOL WORK AREA ADDR
002F	2125	TCBECMER	EQU	TCBSPPOOL	SPECIAL ECM FOR CP ERRORS.
002F	2126	TCBAQHDR	EQU	TCBSPPOOL	USED AS SPECIAL SYSTEM Q HEADER.
004F	2127	TCBATRS	EQU	TCBSPPOOL+32	ATR STACK SAVE AREA
0051	2128	TCBTTC	EQU	TCBATRS+2	TASK-TASK COMMUNICATIONS AREA
0053	2129	TCBTWA	EQU	TCBTTC+2	DISK ADDRESS OF TASK WORK AREA
0055	2130	TCBWSWA	EQU	TCBTWA+2	DISK ADDRESS OF SESSION WORK AREA
0057	2131	TCBLDREL	EQU	TCBWSWA+2	TASK RELOCATION FACTOR FOR LOADER
0057	2132	TCBMTIC	EQU	TCBLDREL	ABTERM ERR MIC
005A	2133	TCBLDISK	EQU	TCBLDREL+3	TASK ABSOLUTE DISK ADDR FOR LOADER
0059	2134	TCBSIAR	EQU	TCBLDISK-1	SAVE IAR ON ABTERM
005B	2135	TCBINVCT	EQU	TCBLDISK+1	TASK INVITE COUNT
005D	2136	TCBASGNQ	EQU	TCBINVCT+2	ASSIGNED ELEMENTS QUEUE
005F	2137	TCBEXIT	EQU	TCBASGNQ+2	ASYNCHRONOUS EXIT ADDRESS.
005F	2138	TCBAFAIL	EQU	TCBEXIT	CP ASSIGN FAILURE INDICATOR BYTES
0067	2139	TCBTQE	EQU	TCBEXIT+8	TIMER QUEUE ELEMENT.
0068	2140	TCBSQBCT	EQU	TCBTQE+1	COUNT OF SECTOR QUEUE REQUESTS
0069	2141	TCBLCKPK	EQU	TCBSQBCT+1	COUNT OF LOCK REQUESTS
0080	2142	TCBLCKDI	EQU	X'80'	INTERLOCK FOR DEDICATION
0040	2143	TCBLCKSI	EQU	X'40'	INTERLOCK FOR SCHEDULER
0020	2144	TCBLCKVI	EQU	X'20'	INTERLOCK FOR VTOC
0010	2145	TCBLCKSI	EQU	X'10'	INTERLOCK FOR FORMAT 5
0008	2146	TCBLCKPI	EQU	X'08'	INTERLOCK FOR PROC NAME
0004	2147	TCBLCKHI	EQU	X'04'	INTERLOCK FOR HISTORY FILE

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
00580000		428	*	F1EQU	
		430	*	*****	
		431	*		*
		432	*	DISK FORMAT-1	*
		433	*		*

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CHAINING FIELD

CONTROL BLOCK

CONTROL INTER

(LEFT BYTE)

STATEMENT

CONTROL AREA

WORK AREA

FOR LOADER

STATEMENTS

CONTROL BYTES

REQUESTS

STATEMENT

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		0002 2148	TCBLCKSP EQU	X'02'	INTERLOCK FOR SPOOL FILE
		2149 *	EQU	X'01'	INTERLOCK FOR RESERVED
03		006A 2151	TCBSSSTD EQU	TCBLCKM*+1	SHARED STORAGE TASK IDSK BITS
04		006B 2153	TCBTSKID EQU	TCBSSSTD+1	TASK ID
05		00E4 2155	TCBIDACT EQU	X'E4'	AUTOCALL TASK ID 6
		00E5 2156	TCBIDITH EQU	X'E5'	BSC 1H FOR 3270 EMULATION TASK ID
		00E6 2157	TCBIDBTS EQU	X'E6'	BSC 3270 SUBSYSTEM TASK ID
		00E7 2158	TCBIDSNE EQU	X'E7'	SNA 3270 SUBSYSTEM TASK ID
		00E8 2159	TCBIDGCE EQU	X'E8'	MLCA CONTROLLER CHECK ERROR TASK ID
		00E9 2160	TCBIDSNF EQU	X'E9'	SNUF SUBSYSTEM TASK ID
		00EA 2161	TCBIDPER EQU	X'EA'	SNA PEER SUBSYSTEM TASK ID
		00EB 2162	TCBIDCCP EQU	X'EB'	CCP SUBSYSTEM TASK ID
		00EC 2163	TCBIDCIC EQU	X'EC'	CICS SUBSYSTEM TASK ID
		00ED 2164	TCBIDIMS EQU	X'ED'	IMS SUBSYSTEM TASK ID
		00EE 2165	TCBIDBEL EQU	X'EE'	BSCCL SUBSYSTEM TASK ID
		00EF 2166	TCBIDINT EQU	X'EF'	INTRA SUBSYSTEM TASK ID
		00F0 2167	TCBIDCP EQU	X'FO'	COMMAND PROCESSOR TASK ID
		2168 *	EQU	X'F1'	RESERVED
		00F2 2169	TCBIDJQ EQU	X'F2'	JOB QUEUE TASK ID
		00F3 2170	TCBIDDFS EQU	X'F3'	SNA FINANCE SUPPORT ID
		00F4 2171	TCBIDMR EQU	X'F4'	MRJE TASK ID
		00F5 2172	TCBIDBSC EQU	X'F5'	BSC TASK ID
		00F6 2173	TCBIDSDP EQU	X'F6'	SDLC TASK ID
		00F7 2174	TCBIDSDS EQU	X'F7'	SDLC TASK ID
		00F7 2175	TCBIDSN1 EQU	X'F7'	SNA TASK ID
		00F8 2176	TCBIDSNR EQU	X'F8'	SNA TASK ID
		00F9 2177	TCBIDBLD EQU	X'F9'	REBUILD TASK ID
		00FA 2178	TCBIDSRJ EQU	X'FA'	SRJE TASK ID
		00FD 2179	TCBIDIBS EQU	X'FD'	INTERACTIVE BSC TASK ID
		00FC 2180	TCBID544 EQU	X'FC'	SNA 44 TASK ID
		00FE 2181	TCBIDGA EQU	X'FE'	GAI61 TASK ID
		00EO 2182	TCBIMAXID EQU	X'EO'	MAXIMUM USER ID
14		006D 2184	TCBPRIQ EQU	TCBTSKID+2	TCB PRIORITY QUEUE CHAINING FIELD
15		006E 2186	TCBSTAT4 EQU	TCBPRIQ+1	ADDITIONAL TCB STATUS
16		0080 2188	TCBSHDR EQU	X'80'	SHUTDOWN RETURN CODE DELIVERED
		0040 2189	TCBATTCH EQU	X'40'	ATTACH YES
		0020 2190	TCBSYSTM EQU	X'20'	SYSTEM TASK - NOT SUSPENDABLE
		0010 2191	TCBATTRM EQU	X'10'	TASK IS IN ABNORMAL TERMINATION
		0008 2192	TCB22RCS EQU	X'08'	RECURSIVE TERMINATION DUE TO SVC 22
		0004 2193	TCBCNLPD EQU	X'04'	CANCEL PENDING
		0004 2194	TCBTWACL EQU	X'04'	C.P. CALLED FOR TWA RECOVERY
		0002 2195	TCBHDMP EQU	X'02'	ERROR ON DUMP - PARTIAL DUMP TAKEN
		0001 2196	TCBDMPD EQU	X'01'	DUMP PENDING ON CANCEL
19		006F 2198	TCBSTAT5 EQU	TCBSTAT4+1	STATUS BYTE 5
20		0080 2200	TCBTHBIT EQU	X'80'	TASK HAS BEEN IN TERMINATION
		0040 2201	TCBCN2PD EQU	X'40'	2 OPTION CANCEL PENDING

#SVAU TCB CHA

ERR LOC OBJECT

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		0002 482	FLAMP2 EQU	X'02'	SPINDLE A2 REQUESTED ORIGINALLY
03		484 *			IF BOTH OF THE PREVIOUS TWO BITS ARE OFF, THEN NO ORIGINAL SPINDLE
		485 *			PREFERENCE WAS SPECIFIED

#SVAU TCB CHA

ERR LOC OBJECT

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02

03

14	ODAC 3813 DTSVSSVL EQU	DTSVCHAN+2	START SS VALUE	05656000	14	OE1C 1C 00 0000 FA
15	ODAD 3814 DTSV#BYT EQU	DTSVSSVL+1	NUMBER BYTES INDEX	05658000	15	OE21 7D 00 01
	ODAC 3815 ATALLCOM EQU	DTSVSSVL	START OF SWAP/TWA POOL	05660000		OE24 75 02 02
	ODAC 3816 ALSSS EQU	DTSVSSVL	RETURNED SS VALUE	05665000		OE27 00 01 11
16					16	OE2A F4 00 06
17					17	OE2D 0013
						OE2F 01
18					18	OE30 36 01 0DAA
						OE34 F2 81 31
19					19	OE37 35 02 0141
20					20	OE3B 6C 0F 0F 27

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48	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 49	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT						ERR LOC OBJECT CODE
02		0020 2202 TCBCN3PD EQU	X'20'	3 OPTION CANCEL PENDING					
		0010 2203 TCBMAB TM EQU	X'10'	TASK IS IN ABNORMAL TERMINATION					
03		0008 2204 TCBMSAFL EQU	X'08'	2 OPTION-FLUSH PROC					
		0004 2205 TCBMSTAB EQU	X'04'	2 OPTION-CONTINUE PROC					
		0002 2206 TCBAE0EO EQU	X'02'	TAKE ASYNC EXIT ON ERROR ONLY					
04		0001 2207 TCBK0 EQU	X'01'	DISKETTE ORIENT HAS BEEN PROCESSED					
		0070 2209 TCBAWSCT EQU	TCBSTAT5+1	ALLOCATED WORK STATION COUNT					
		0070 2210 TCBCATM EQU	TCBAWSCT	CURRENT ACTIVE TERMINAL COUNT					
05		0071 2211 TCBCAT EQU	TCBAWSCT+1	CURRENT ACTIVE TERMINAL VARIABLE					
		0072 2212 TCBMRTMX EQU	TCBCAT+1	MRT MAXIMUM REQUESTORS ALLOWED					
		0073 2213 TCBNSCNT EQU	TCBMRTMX+1	NOT SWAPPABLE COUNTER					
06		0074 2214 TCBCNCNT EQU	TCBNSCNT+1	NOT CANCELABLE COUNT					
		0075 2216 TCBIQCNT EQU	TCBCNCNT+1	NOT INQUIRABLE COUNT					
07		0076 2218 TCBARQCT EQU	TCBIQCNT+1	ACTIVE REQUESTOR COUNT					
		0077 2219 TCBCSTAT6 EQU	TCBARQCT+1	STATUS BYTE 6					
08		0080 2221 TCBATNS EQU	X'80'	TASK ATTACHED NON-SWAPPABLE					
		0040 2222 TCBDKSTR EQU	X'40'	DISKETTE CANCEL RECURSION INDICATOR					
09		0020 2223 TCBDUMP EQU	X'20'	DUMP SHOULD BE TAKEN INDICATOR					
		0010 2224 TCBSFILK EQU	X'10'	SECURITY-INITIATOR INTERLOCK.					
		0008 2225 TCBNDUMP EQU	X'08'	NO DUMP WAS TAKEN FOR ERROR CONDITION					
10		0004 2226 TCBSFILK EQU	X'04'	WORKSTATION QUEUE SPACE INTERLOCK					
		0002 2227 TCBSNARQ EQU	X'02'	SNA REQUIRED					
		0001 2228 TCBD0ED0 EQU	X'01'	DEDICATION OVERRIDE INDICATOR.					
11		0078 2230 TCBBAT EQU	TCBSTAT6+1	BATCH ACTIVE TIMEOUT COUNT					
		0080 2231 TCBDUMPR EQU	X'80'	MEDIUM PRIORITY (SEE TCBPRIOR)					
12		0005 2232 BATCOUNT EQU	5	NUMBER OF TIMEOUTS ALLOWED.					
		2233 *		ONLY BITS 1-7 APPLY TO BATCOUNT.					
13		0079 2235 TCBSUSPS EQU	TCBBAT+1	SUSPENSION STATUS INDICATOR					
		0080 2237 TCBSPLNK EQU	X'80'	TASK SUSPENDED DUE TO UNLOCK					
14		0040 2238 TCBSDTSD EQU	X'40'	TASK SUSPENDED DUE TO SYSTEM OPERATOR					
		0020 2239 TCBIQSP EQU	X'20'	TASK SUSPENDED DUE TO INQUIRY					
		0010 2240 TCBSPLSP EQU	X'10'	TASK SUSPENDED DUE TO SPOOL SUS/RES					
15		0002 2241 TCBSDTAC EQU	X'02'	TASK SUSPENDED DUE TO ADDRESS COMPARE					
		0001 2242 TCBIQOSP EQU	X'01'	TASK SUSPENDED DUE TO WS I/O ERROR					
16		007A 2244 TCBAWFLG EQU	TCBSUSPS+1	WSWA INITIALIZATION STATUS.					
		2246 *		SEE TUB MACRO (BYTE TUBWFLG) FOR BIT DEFINITIONS WITHIN TCBAWFLG.					
17		007C 2248 TCBSMFP EQU	TCBAWFLG+2	SMF POINTER					
		2249 *		THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH					
		2250 *		BYTE OF THE SMF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS					
18		2251 *		A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD.					
		0080 2252 TCBSMFPN EQU	X'80'	SMF HAS PROCESSED THIS TCB					
19		2253 *							
20		007D 2255 TCBX EQU	TCBSMFP+1	AMOUNT OF TASK SWAPPED OUT					

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E 12	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 13	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT						ERR LOC OBJECT CODE
02									
03		001E 537 F1AL1VTA EQU	F1ADVTOC+1	LENGTH OF THE FIRST VTOC AREA					
		539		*****					

05654000	14	OE19 D0 02 37	3849	BNL	ALLO0020C,BAS1)	NO, CHECK NEXT BYTE	05930000
05656000							
05658000		OE1C 1C 00 0000 FA	3850	ALLO0075	MVC	#(*) ,ALSAVEC ,BAS1)	RESTORE MASTER INDEX
05660000		OE21 7D 00 01	3851	CLI	DTSVCHAN-1C,BAS1),0	ANY MORE INDICES ?	05950000
05665000	15	OE24 75 02 02	3852	L	DTSVCHANC ,BAS1),F52	POINT TO NEXT	05950500
		OE27 D0 01 11	3853	BNE	ALLO0010C,BAS1)	YES, CHECK NEXT AREA	05951000
	16	OE2A F4 00 06	3854 *	ASSGN	LEN-DTSVLEN	ASSIGN AN AREA	05951500
			3855	SVC	SVCASSGN,0	ASSIGN REQUEST	
	17	OE2D 0013	OE2E 3856	DC	AL2(DTSVLEN)	ASSIGN LENGTH	
		OE2F 01	OE2F 3857	DC	AL1(1+0)	ATTRIBUTES	
			3858	*** END OF EXPANSION **			
	18	OE30 36 01 00AA	3859	A	DTSVCHAN, XR1	SUCCESSFUL ?	05952000
		OE34 F2 81 31	3860	JE	ALLO0080	NO, FAIL TWAL	05952500
	19	OE37 35 02 0141	3861 *	TCB@	R-TCB2	XR1-> TCB	05953000
			3862	L	321,TCB2	GET TCB ADDRESS.	
			3863	*** END OF EXPANSION **			
	20	OE3B 6C 0F 0F 27	3864	MVC	DTSVREG(TCBRSE-TCBARSE+1,XR1),TCBRSE,(TCB2)	SAVE REG.	05953500

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49 V09/11/81 12/08/81 21:31	01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				PAGE 50 V09/11/81 12/08/81 21:31	01	#SVAU TCB CHANGE ORG OR DE
		ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC OBJECT CODE
	02		007E	2257	TCBSTAT7	EQU TCBX+1 TCB STATUS BYTE 7		
				2258	*			
	03		0080	2259	TCBSPLTR	EQU X'80' SPOOL WRITER ID		
			0040	2260	TCBSPLRS	EQU X'40' SPOOL TERMINATION		
	04		0080	2262	TCBLEN	EQU TCBSTAT7+2 LENGTH OF TCB + EXPANSION.		
				2263	*** END OF EXPANSION **			
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13 V09/11/81 12/08/81 21:31	01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				PAGE 14 V09/11/81 12/08/81 21:31	01	#SVAU TCB CHANGE ORG OR
		ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		ERR LOC OBJECT CODE
	02		588 *		FREED BY ALLOCATE FOR NON-INDEXED FILES	*		
			589 *			*		
	03		590	*****				
			0028	592	FIADKEYL	EQU FIADDEFQ+1 KEY LENGTH		

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13	OECE 3932 EN106 3931 **** 3933 *** E
14	OECE F6 00 00 3934 ATPMR OED1 74 01 03 3935 OED4 5F 01 01 5F 3936
15	OED8 5C 00 02 57 3937 OEDC 75 02 5F 3938 OEDF F2 87 07 3939
16	OE2 BC FF FF 3940 ATOC OE5 AC FE FE FF 3941
17	OE9 76 02 03 3942 ATOC OEC 5F 00 00 02 3943 OEF0 7C 01 02 3944 OEF3 00 84 39 3945
18	OEF6 D2 02 54 3946 OEF9 F4 01 52 3947
19	OEEC OE OEFC 3948 OEFD 3949 ATLDPP
20	OEEF 3950 OEF8 3950

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 52 V09/11/81 12/08/81 21:31
02	00800000	2308	*	*****
		2309	*	*
03		2310	*	TERMINAL UNIT BLOCK FOR PRINTERS *
		2311	*	*
		2312	*	*****
04		2313	* 00 * 01 * 02 * 03 * 04 * 05 * 06	07 *
		2314	* ECM * COMPL * FLAG * CMND * CMOD * UNITa * DATAa	*
		2315	*	*****
05		2316	* 08 09 * 0A	OF *
		2317	* COUNT * SENSE BYTES	*
		2318	*	*****
06		2319	* 10 11 * 12 13 * 14 * 15 * 16 * 17	*
		2320	* TCBA * CHAIN * DEVID * QHDR * ERPCT * ERBFG	*
		2321	*	*****
07		2322	* 18 * 19 1A * 1B * 1C 1D * 1E * 1F	*
		2323	* ERAID * MIC * OPTS * STOCT * ERCT * WS-	*
		2324	*	*****
08		2325	* 20 * 21 22 * 23 24 *	26 * 27 *
		2326	* ID * CFGa * TCB * PEXTa	* RESVD *
		2327	*	*****
09		2328	* 28 * 2C * 2D * 2E * 2F	*
		2329	* FORMS NUMBER * FMLN * CRLN * MXPP * DPRST	*
		2330	***OPTIONAL ADDITION BELOW*****OPTIONAL ADDITION BELOW*****	
10		2331	* 30 * 32 33 * 34 * 35 *	37 *
		2332	* TUBPSUBC * TUBPGTUB * PATRI * PLPI * RESERVED	*
		2333	***OPTIONAL ADDITION ABOVE*****OPTIONAL ADDITION ABOVE*****	
11		2334	* 38 * 39 * 3A * 3B 3C * 3D 3E * 3F	*
		2335	* RESERVED RESERVED RESERVED	*
		2336	***OPTIONAL ADDITION ABOVE*****OPTIONAL ADDITION ABOVE*****	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
02		2338	****	
		2339	*	
		2340	****	
03				
04		2342	****	
		2343	*	
		2344	****	
05		2346	*	
		2347	*	
		2348	*	
06		0000	2350	TUBE
07		0080	2352	TUBS
		0040	2353	TUBS
		0020	2354	TUBS
08		2355	*	
		2356	*	
		2357	*	
09		2358	*	
		2359	*	
10		0001	2361	TUBC
11		0080	2363	TUBS
		0040	2364	TUBS
		2365	*	
		2366	*	
		2367	*	
		0004	2368	TUBA
		2369	*	
13		0001	2370	TUBS
		0000	2371	TUBS
14		0002	2373	TUBF
15		0080	2375	TUBS
		0040	2376	TUBS
		0020	2377	TUBA
16		0010	2378	TUBS
		0008	2379	TUBO
		0004	2380	TUBR
17		0002	2381	TUBR
		0001	2382	TUBS
18		0003	2384	TUBC
19		00C0	2386	TUBS
		00E0	2387	TUBS
		00C0	2388	TUBS
		00C1	2389	TUBS
20		00C2	2390	TUBS

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 16 V09/11/81 12/08/81 21:31
02		652	*	FSBEQ @145 00620000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
02		0010	706	FS

14	OED1 74 01 03	3935	ST	ATLGSTRT(XR1),XR1	STORE LOGICAL START ADDR.	06480000
	OED4 5F 01 01 5F	3936	SLC	ATLGEND(XR1),ATLDRPM+\$LDDLOAD(XR1)	DECR. BY LOAD @	06490000
	OED8 5C 00 02 57	3937	MVC	ATLGSTRT-1(XR1),ATLDRPM+\$LDDTEXT(XR1)	SET SECTOR S2	06500000
15	OEDC 75 02 5F	3938	L	ATLDRPM+\$LDDLOAD(XR1),XR2	XR2-> START OF PART.	06510000
	OEDF F2 87 07	3939	J	ATOCDE2	GO ENTER LOOP	06520000
16	OE22 BC FF FF	3940	ATOCDE1	MVI 255(XR2),X'FF'	SET 256 FOXES	06530000
	OE25 AC FE FE FF	3941	MVC	254(255,XR2),255(XR2)	* IN STORAGE	06540000
	OE29 76 02 03	3942	ATOCDE2	A ATLGSTRT(XR1),XR2	XR2-> SECTOR TO FOX OUT	06550000
17	OE2C 5F 00 00 02	3943	SLC	ATLGEND-1(XR1),ATLGSTRT-1(XR1)	DECREMENT SIZE TO FOX	06560000
	OE30 7C 01 02	3944	MVI	ATLGSTRT-1(XR1),1	SET SIZE TO 1 SECTOR	06570000
	OE33 D0 84 39	3945	BH	ATOCDE1(XR1)	GO FOX NEXT SECTOR	06580000
18	OE36 D2 02 54	3946	LA	ATLDRPM(XR1),XR2	POINT TO LOAD PARM	06590000
	OE39 F4 01 52	3947	SWC	SWCLOAD,QAUIT	FETCH USER TASK	06600000
19	OE3C 0E	OEFC 3948	DC	AL1(\$LDHSFCH)		06610000
		OEFD 3949	EQU	*	LOAD PARM LIST	06620000
20	OE3D	OF08 3950	DS	CL(\$LDDLEN)		06630000

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		2338	*		*****
		2339	*		TERMINAL UNIT BLOCK (TUB) *
		2340	*		*****
04		2342	*		*****
		2343	*		COMMON SECTION OF THE TUB *
		2344	*		*****
05		2346	*		
		2347	*		TERMINAL JOB / PRINTER DCB
		2348	*		
06		0000	2350	TUBECM EQU 0	EVENT CONTROL MASK
07		0080	2352	TUB\$SKIP EQU X'80'	. NO SKIP BIT
		0040	2353	TUB\$REAL EQU X'40'	. DATA ADDRESS IS REAL
08		0020	2354	TUB\$NIO EQU X'20'	. NON I/O EVENT
		2355	*	EQU X'10'	. RESERVED (MUST BE ZERO)
		2356	*	EQU X'08'	. RESERVED (MUST BE ZERO)
09		2357	*	EQU X'04'	. RESERVED (MUST BE ZERO)
		2358	*	EQU X'02'	. RESERVED (MUST BE ZERO)
		2359	*	EQU X'01'	. RESERVED (MUST BE ZERO)
10		0001	2361	TUBCOMPL EQU TUBECM+1	JOB COMPLETION CODE
11		0080	2363	TUB\$ACTV EQU X'80'	. JOB REQUEST ACTIVE
		0040	2364	TUB\$CMPL EQU X'40'	. JOB REQUEST COMPLETE
		2365	*	EQU X'20'	. RESERVED (MUST BE ZERO)
		2366	*	EQU X'10'	. RESERVED (MUST BE ZERO)
12		2367	*	EQU X'08'	. NOT USED
		0004	2368	TUBASGND EQU X'04'	. INPUT BUFFER ASSIGNED
		2369	*	EQU X'02'	. RESERVED FOR PRINTER
13		0001	2370	TUB\$ERR EQU X'01'	. ERROR FOUND INDICATOR
		0000	2371	TUB\$RACT EQU X'00'	. REMOTE ACTIVE
14		0002	2373	TUBFLAG EQU TUBCOMPL+1	FLAG BYTE
15		0080	2375	TUB\$UEP EQU X'80'	. INDICATES USER DEFINED ERP
		0040	2376	TUB\$NO2 EQU X'40'	. NO RETURN ON PERMANENT ERROR
		0020	2377	TUBAUTOB EQU X'20'	. AUTO INPUT BUFFER ASSIGNMENT
16		0010	2378	TUB\$VH EQU X'10'	. TUB NOT ALLOWED OFF VERTICAL TUBCHAIN
		0008	2379	TUBONL EQU X'08'	. DEVICE ONLINE
		0004	2380	TUBRIISU EQU X'04'	. READ INPUT ISSUED TO TUB
		0002	2381	TUBRINCM EQU X'02'	. READ INPUT NOT COMPLETE
17		0001	2382	TUB\$OTCS EQU X'01'	. DATA IN CONTROL STORE
18		0003	2384	TUBCMND EQU TUBFLAG+1	JOB COMMAND BYTE
19		00C0	2386	TUB\$DA EQU X'C0'	. LOCAL WORKSTATION DEVICE ADDRESS
		00E0	2387	TUB\$PNAV EQU X'E0'	. NATIVE PRINTER DEVICE ADDRESS
		00C0	2388	TUB\$EXEC EQU X'C0'	. EXEC I/O OPERATION CODE
		00C1	2389	TUB\$POLL EQU X'C1'	. EXEC INVITE OPERATION
20		00C2	2390	TUB\$IDLE EQU X'C2'	. QUIESCE

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		0010	706	FSBLLNTH EQU FSBDAIT3+1	LENGTH OF A TYPE ONE FSB
03		708	*		*****
		709	*		*
		710	*		THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN A TYPE TWO FSB *

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE
02		00C3	2391	TUB\$CNC
		0080	2392	TUBREXE
03		0081	2393	TUBRPOL
		0083	2394	TUBRCNC
		0040	2395	TUBMLOC
04		00C0	2396	TUBMSUB
		0003	2397	TUBDEV1
05		0004	2399	TUBCM'D
06		00A7	2401	TUB\$PWI
		0027	2402	TUB\$OUP
		0002	2403	TUB\$SAV
		0006	2404	TUB\$SAV
07		0062	2405	TUB\$RDS
		0042	2406	TUB\$RDI
		0007	2407	TUB\$RST
08		0022	2408	TUB\$RDM
09		0005	2410	TUBINITA
		0007	2411	TUBDATA
		0009	2412	TUBCOUNT
10		000A	2414	TUBSENSE
11		2416	*	DATA S
		2417	*	
		2418	*	US CON
		2419	*	
12		2420	*	RESOUR
		2421	*	
		2422	*	
13		2423	*	
		2424	*	
		2425	*	
		2426	*	
14		2427	*	
15		0008	2429	TUBSENSE1
16		2431	*	SCREEN
		2432	*	
		2433	*	
		2434	*	
17		2435	*	
		2436	*	
		2437	*	
18		2438	*	
		2439	*	
19		000C	2441	TUBSENSE2
20		2443	*	
		2444	*	

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE
02		729	*	
		0000	730	QHDJUL
03		0001	731	QHDHI
		0020	732	DEQUEU
		0000	733	QUEUE

14	ALCON3	A 002	0E76	3888	3881				
	ALLBIT	C 001	00FF	3082					
	ALLOC	A 001	0DAE	3818	3658	3668			
	ALLO0005	A 004	0DB5	3822	3880				
15	ALLO0010	A 004	0DB9	3823	3853				
	ALLO0015	A 004	0DD1	3829	3826*				
	ALLO0020	A 003	0DDF	3833	3825	3843	3848	3849	
16	ALLO0030	A 005	0DE2	3834	3846				
	ALLO0040	A 003	0DE7	3835	3833*	3841	3845	3845*	
	ALLO0045	A 005	0DF1	3838	3827*	3830*			
17	ALLO0050	A 004	0DFD	3841	3836				
	ALLO0060	A 003	0E01	3842	3841*				
	ALLO0070	A 004	0E08	3845	3840				
18	ALLO0075	A 005	0E1C	3850	3828*	3831*			
	ALLO0080	A 006	0E68	3881	3860				
	ALLO0090	A 001	0E6E	3882	3844				
19	ALNONE	A 002	0E78	3889	3795	3847			
	ALSAVE	A 035	0EA2	3895	3829*	3838	3850		
20	ALSI2	A 001	0E72	3886	3832*	3839*	3843*		

14	BIT2	C 001	0020	3085					
	BIT3	C 001	0010	3086					
	BIT4	C 001	0008	3087					
	BIT5	C 001	0004	3088					
15	BIT6	C 001	0002	3089					
	BIT7	C 001	0001	3090					
	BLANK	C 001	0040	3062					
16	BUF1	C 001	0001	3133					
	BUF2	C 001	0002	3134					
	CD1	C 001	0001	3111					
17	CD2	C 001	0002	3112	3748*	37			
	CP1	C 001	0001	3107					
	CP2	C 001	0002	3108					
18	CSBDAT1	C 001	0006	0181	0190				
	CSBDAT2	C 001	0016	0290	0300				
	CSBDAT3	C 001	0007	0190	0200	02			
19	CSBDAT4	C 001	0036	0391					
	CSBDM5I	C 001	0022	0313	0373				
20	CSBDCNFG	C 001	0023	0373	0374				

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		0006 2499	TUB\$RDUK	EQU X'06'	. READ ISSUED TO UNLOCKED KEYBOARD ERROR
		0007 2500	TUB\$POFF	EQU X'07'	. WS IS POWERED OFF
		2501 *		EQU X'08'	. RESERVED
03		2502 *		EQU X'09'	. SAVE OR RESTORE ERROR
		2504 *	GROUP 4 - OPERATION CHECK ERRORS		
04		2505 *	(REFERENCE TUBSENS0 BIT4)		
		2507 *		EQU X'01'	. SERDES TIME OUT
05		2508 *		EQU X'02'	. TIME OUT ON CYCLE STEAL DATA
		2509 *		EQU X'05'	. ATOM NOT PROCESSING KEYSTROKES
		2511 *	GROUP 5 - SCREEN FORMAT ERRORS		
06		2512 *	(REFERENCE TUBSENS1 BIT0)		
		2514 *		EQU X'01'	. INVALID FIELD LENGTH ERROR
07		2515 *		EQU X'02'	. RESEQUENCE ERROR IN FORMAT TABLE
		2516 *		EQU X'03'	. CHECK DIGIT ERROR
08		000F 2518	TUBSENS5	EQU TUBSENS4+1	SENSE BYTE 5
		2519 *		EQU X'08'	
09		000F 2520	TUBSENSE	EQU TUBCOUNT+6	SENSE BYTES
		0011 2521	TUBTCB@	EQU TUBSENSE+2	TCB ADDRESS FOR DATA BUFFER ATRS
10		2523 *			
		2524 *			ERROR RECOVERY BLOCK (ERB)
		2525 *			
11		0013 2527	TUBCHAIN	EQU TUBTCB@+2	TUB CHAIN FIELD
12		0014 2529	TUBDEVID	EQU TUBCHAIN+1	TUB DEVICE ID FOR ERP
13		00E0 2531	TUB\$STANZ	EQU X'E0'	. 5211 LINE PRINTER
		00E1 2532	TUB\$PRMA	EQU X'E1'	. 5256 WORKSTATION SERIAL PRINTER
		00E2 2533	TUB\$INGLD	EQU X'E2'	. 650 LPM LINE PRINTER
14		00E3 2534	TUB\$MITR	EQU X'E3'	. MITRE PRINTER
		00C0 2535	TUB\$KBOP	EQU X'CO'	. KEYBOARD DISPLAY WORKSTATION
15		0015 2537	TUBQHDR	EQU TUBDEVID+1	QUEUE HEADER POINTER FOR PRINTER
		0016 2539	TUBERPCT	EQU TUBQHDR+1	ERP CONTROL BYTE
16		2541 *			
		2542 *			SEE THE ERBDCTL FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.
		2543 *			
17		0017 2545	TUBERBFG	EQU TUBERPCT+1	ERB FLAG BYTE
18		2547 *			
		2548 *			SEE THE ERBDFLG FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.
		2549 *			
19		0018 2551	TUBERAID	EQU TUBERBFG+1	ERROR AID FLAG BYTE
20		001A 2552	TUBMIC	EQU TUBERAID+2	ERP MESSAGE ID CODE

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		832 *	----	THRU ----	
		833 *		EQU X'BE'	RESERVED
03		834 ***	END OF EXPANSTON **		

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02					001B 2554 TU
03					2556 *
					2557 *
					2558 *
04					2560 *
					2561 *
05					2562 *
06					001D 2564 TU
					001E 2565 TU
					0020 2566 TU
					0022 2567 TU
07					0022 2568 TU
					0024 2569 TU
					2570 *
08					0024 2571 TU
09					
10					2573 **
					2574 *
					2575 **
11					2577 *
					2578 *
12					2579 *
13					0025 2581 TU
					0026 2582 TU
					0027 2583 TU
14					002F 2584 TU
					0030 2585 TU
					0032 2586 TU
15					0034 2587 TU
					0035 2589 TU
16					0080 2591 TU
					0040 2592 TU
					0020 2593 TU
17					0010 2594 TU
					0008 2595 TU
					0004 2596 TU
18					0002 2597 TU
					0001 2598 TU
19					0036 2600 TU
20					2602 ***

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02					836 *
03					838 *
					839 *

13	BIT0	C 001	0080	3083					
	BIT1	C 001	0040	3084					
	BIT2	C 001	0020	3085					
14	BIT3	C 001	0010	3086					
	BIT4	C 001	0008	3087					
	BIT5	C 001	0004	3088					
15	BIT6	C 001	0002	3089					
	BIT7	C 001	0001	3090					
	BLANK	C 001	0040	3062					
16	BUF1	C 001	0001	3133					
	BUF2	C 001	0002	3134					
	CD1	C 001	0001	3111					
17	CD2	C 001	0002	3112	3748*	3752	3757	3758	3761
	CP1	C 001	0001	3107					
	CP2	C 001	0002	3108					
18	CSBDAT1	C 001	0006	0181	0190				
	CSBDAT2	C 001	0016	0290	0300				
	CSBDAT3	C 001	0007	0190	0200	0223			
19	CSBDAT4	C 001	0036	0391					
	CSBDBMS1	C 001	0022	0313	0373				
	CSBDCNFG	C 001	0023	0373	0374				
20									

13	CSBDSCA	C 001	0009	0200	0201				
	CSBDSDCM	C 001	0016	0252	0253				
14	CSBDSDL	C 001	0010	0271	0272				
	CSBDSIOB	C 001	0025	0277					
	CSBDSMAC	C 001	0018	0253	0254				
15	CSBDSTB1	C 001	001A	0255	0265				
	CSBDSTB2	C 001	001B	0265	0271				
	CSBDTCB0	C 001	000B	0224	0225				
16	CSBDTCB1	C 001	000C	0210	0211				
	CSBDTCB2	C 001	000E	0211	0212				
	CSBDTCB3	C 001	0010	0212	0213				
17	CSBDTCB4	C 001	0012	0213	0215				
	CSBDTIDA	C 001	001C	0302	0304				
	CSBDUTCB	C 001	000D	0225	0226				
18	CSBDWRK	C 001	0037	0390	0397				
	CSBDWRKE	C 001	0037	0280	0281				
	CSBDWRKS	C 001	002E	0279	0280				
19	CSBLDEF	C 001	002F	0385	0386				
	CSBMALLC	C 001	0010	0185					
	CSBMATCL	C 001	0010	0395					
20									

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01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT										PAGE 57	V09/11/81	12/08/81	21:31	
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT									
02			001B	2554	TUBOPTS	EQU TUBMIC+1	ERP MESSAGE OPTIONS								
03			2556 *												
			2557 *			SEE THE ERBDOPT FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.									
			2558 *												
04			2560 *												
			2561 *			MISCELLANEOUS DATA									
			2562 *												
06			001D	2564	TUBSIOCT	EQU TUBOPTS+2	START IO COUNT								
			001E	2565	TUBERRCT	EQU TUBSIOCT+1	ERROR RETRY COUNT								
			0020	2566	TUBWSID	EQU TUBERRCT+2	LOGICAL ID OF THE TERMINAL OR PRINTER								
07			0022	2567	TUBWSWA	EQU TUBWSID+2	SS OF WORK STATION WORK AREA								
			0022	2568	TUBPCFGA	EQU TUBWSWA	SS OF PRINTER CONFIGURATION RECORD								
			0024	2569	TUBTCB	EQU TUBPCFGA+2	TUB OWNER TCB ADDRESS AND ...								
			2570 *			PRINTER QHDR									
08			0024	2571	TUBCOMMON	EQU TUBTCB	END OF COMMON PORTION OF TUB								
10			2573			*****									
			2574 *			DEVICE DEPENDENT SECTION OF THE TUB									
			2575			*****									
12			2577 *												
			2578 *			DISPLAY DATA									
			2579 *												
13			0025	2581	TUBAID	EQU TUBCOMMON+1	AID BYTE (ENTER, REC ADV , ETC.)(DISPLAYS)								
			0026	2582	TUBCPAID	EQU TUBAID+1	AID BYTE (INQUIRY, SYS REQ) (DISPLAYS)								
			0027	2583	TUBDRESV	EQU TUBCPAID+1	RESERVED BYTE								
14			002F	2584	TUBUSER	EQU TUBDRESV+8	OPERATOR ID								
			0030	2585	TUBOPSTS	EQU TUBUSER+1	OPERATOR STATUS								
			0032	2586	TUBJCB0	EQU TUBOPSTS+2	ADDRESS OF JCB								
			0034	2587	TUBTUB	EQU TUBJCB0+2	TUBCHAIN FOR SYS REQ AND INQUIRY								
15			0035	2589	TUBATTR1	EQU TUBTUB+1	ATTRIBUTE BYTE 1								
16			0080	2591	TUBMCN	EQU X'80'	. MASTER CONSOLE								
			0040	2592	TUBACN	EQU X'40'	. ALTERNATE CONSOLE								
			0020	2593	TUBCMDT	EQU X'20'	. COMMAND TERMINAL(CON)-DATA TERM(OFF)								
17			0010	2594	TUBSGN	EQU X'10'	. TERMINAL SIGNED ON								
			0008	2595	TUBTSRQ	EQU X'08'	. TEST REQUEST MODE								
			0004	2596	TUBSTPJ	EQU X'04'	. JOB INITIATION NOT ALLOWED								
18			0002	2597	TUBLIOFR	EQU X'02'	. USWA FORMATTED WITH LIO DISPLAY								
			0001	2598	TUBFCNSL	EQU X'01'	. CONSOLE MODE FORCED BY I/O ERROR								
19			0036	2600	TUBATTR2	EQU TUBATTR1+1	TERMINAL MODE AND DISPLAY								
20			2602			*****									

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01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT										PAGE 21	V09/11/81	12/08/81	21:31	
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT									
02			836	*	JCBEQ							00660000			
			838			*****									

#SVAU TCB CHANGE ORG OR DETACH T

01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT									
02												2600			
												2600			
												2600			
												2600			
04												0080 2600			
												0040 2610			
												0040 2610			
05												0020 2610			
												0010 2610			
												0070 2610			
06												0030 2610			
												0008 2610			
07												0004 2610			
												0002 2610			
												0001 2620			
												0037 2622			
09												0080 2624			
												0040 2625			
10												0020 2626			
												0010 2627			
												0008 2628			
												0004 2629			
												0002 2630			
												0001 2631			
12												0038 2633			
13												0080 2635			
												0040 2636			
												0020 2637			
												0010 2638			
14												0008 2639			
												0004 2640			
												0002 2641			
15												0001 2642			
												0039 2644			
16												0080 2646			
												0040 2647			
17												0020 2648			
												0010 2649			
												0008 2650			
18												0004 2651			
												0002 2652			
												0001 2653			
19												003A 2655			
20															

#SVAU TCB CHANGE ORG OR DETACH T

01	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT									
02												0004 89			
												0080 89			
												0040			

14	CSBDSI0B C 001 001D 0271 0272
	CSBDSI0B C 001 0025 0277
	CSBDSMAC C 001 0018 0253 0254
15	CSBDSTB1 C 001 001A 0255 0265
	CSBDSTB2 C 001 001B 0265 0271
	CSBDTCBA C 001 000B 0224 0225
16	CSBDTCB1 C 001 000C 0210 0211
	CSBDTCB2 C 001 000E 0211 0212
	CSBDTCB3 C 001 0010 0212 0213
17	CSBDTCB4 C 001 0012 0213 0215
	CSBDTIDB C 001 001C 0302 0304
	CSBDUTCB C 001 000D 0225 0226
18	CSBDWRK C 001 0037 0390 0397
	CSBDWRKE C 001 0037 0280 0281
	CSBDWRKS C 001 002E 0279 0280
19	CSBLDEF C 001 002F 0385 0386
	CSBMALLC C 001 0010 0185
20	CSBMATCL C 001 0010 0395

14	CSBMRRJE C 001 0082 0174
	CSBMRRJR C 001 0001 0264
	CSBMRRSG C 001 0002 0230
15	CSBMNDMP C 001 0010 0269
	CSBMNHLT C 001 0008 0270
	CSBMNMSG C 001 0040 0393
16	CSBMNRMG C 001 0000 0228
	CSBMNTRC C 001 0008 0186
	CSBMOPND C 001 0020 0184
17	CSBMPEI C 001 0080 0376
	CSBMPIIT C 001 0004 0262
	CSBMRTD C 001 0001 0291
18	CSBMRRQD C 001 0040 0258
	CSBMRRQS C 001 0080 0256
	CSBMRTDM C 001 0001 0229
19	CSBMRTRY C 001 0040 0377
	CSBMSDLP C 001 0083 0175
20	CSBMSL C 001 0004 0207

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 58	V09/11/81 12/08/81 21:31
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		2603 *	TERMINAL MODE INDICATORS *
		2604	*****
03		2605 *	1XXX - STANDBY MODE * 0X00 - INITIAL MODE *
		2606 *	00XX - CONSOLE MODE * 0101 - DATA MODE *
		2607 *	0110 - COMMAND MODE * 0111 - INTERRUPT MODE *
		2608	*****
04		0080 2609	TUBMSTDY EQU X'80' . TERMINAL IN STANDBY MODE (ON)
		0040 2610	TUBMCNSL EQU X'40' . TERMINAL IN CONSOLE MODE (OFF)
		0040 2611	TUBMSTN EQU X'40' . TERMINAL IN WORKSTN MODE (ON)
05		0020 2612	TUBMCMO EQU X'20' . TERMINAL IN COMMAND MODE (ON)
		0010 2613	TUBMDATA EQU X'10' . TERMINAL IN DATA MODE (ON)
		0070 2614	TUBMDME EQU X'70' . TERMINAL IN DATA MODE ESCAPE (ON)
06		0030 2615	TUBMINIT EQU X'30' . TERMINAL IN INITIAL MODE (OFF)
		0008 2617	TUBMNUA EQU X'08' . MENU DISPLAY ACTIVE
07		0004 2618	TUBSTATA EQU X'04' . STATUS DISPLAY ACTIVE
		0002 2619	TUBINPA EQU X'02' . SYSIN/SYSLOG DISPLAY ACTIVE
		0001 2620	TUBMSGA EQU X'01' . MSG DISPLAY ACTIVE
08		0037 2622	TUBATTR3 EQU TUBATTR2+1 INVITE INDICATORS
09		0080 2624	TUBIIS EQU X'80' . INVITE SCHEDULED TO TUB
		0040 2625	TUBIMI EQU X'40' . IMPLICIT INVITE TO TUB
		0020 2626	TUBIPS EQU X'20' . TUB INVITED VIA PRUF
10		0010 2627	TUBIARF EQU X'10' . AUTO RUF INVITE
		0008 2628	TUBSIIS EQU X'08' . SAVE FOR TUBIIS STATUS
		0004 2629	TUBSIMI EQU X'04' . SAVE FOR TUBIMI STATUS
11		0002 2630	TUBSIPS EQU X'02' . SAVE FOR TUBIPS STATUS
		0001 2631	TUBSIARF EQU X'01' . SAVE FOR TUBIARF STATUS
12		0038 2633	TUBATTR4 EQU TUBATTR3+1 INQUIRY/SYS REQ AND MISC
		0080 2635	TUBHZQ EQU X'80' . TUB ON HORIZONTAL QUEUE
13		0040 2636	TUBINQ1 EQU X'40' . INQUIRY1 TUB
		0020 2637	TUBINQ2 EQU X'20' . INQUIRY2 TUB
		0010 2638	TUBIQMP EQU X'10' . INQUIRY MENU IS PENDING
14		0008 2639	TUBRST1 EQU X'08' . RESTORE SCREEN - INQ OR SYS REQ
		0004 2640	TUBRST2 EQU X'04' . RESTORE SCREEN - MSG OR SYSLOG
		0002 2641	TUBLIOS EQU X'02' . SYSIN/SYSLOG DISPLAY HAS BEEN SAVED
15		0001 2642	TUBIDEL EQU X'01' . I DELETE FUNCTION IS ACTIVE
16		0039 2644	TUBATTR5 EQU TUBATTR4+1 RELEASE INDICATORS
		0080 2646	TUBORY EQU X'80' . RESTORE-Y ON OCL STATEMENT
		0040 2647	TUBORN EQU X'40' . RESTORE-N ON OCL STATEMENT
17		0020 2648	TUBLOP EQU X'20' . LAST OP TO THE TUB WAS A PUT
		0010 2649	TUBRSW EQU X'10' . RELEASE STOP INV WORKED
		0008 2650	TUBRSF EQU X'08' . RELEASE STOP INV FAILED
18		0004 2651	TUBREL EQU X'04' . TUB HAS BEEN RELEASED
		0002 2652	TUBSRQ EQU X'02' . SRT HAS RELEASED REQUESTOR
19		0001 2653	TUBABTRM EQU X'01' . CALL TERMINATOR PRIOR TO RELEASE
		003A 2655	TUBATTR6 EQU TUBATTR5+1

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 58	V09/11/81 12/08/81 21:31
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		0080 2651	
		0040 2652	
		0020 2653	
03		0010 2666	
		0008 2661	
		0004 2662	
04		0002 2663	
		0001 2664	
05		003C 2666	
		003E 2667	
		003F 2668	
06		0080 2669	
		0040 2670	
		0041 2671	
07		0043 2672	
08		0044 2674	
		0080 2676	
		0040 2677	
09		0020 2678	
		0010 2679	
		0008 2680	
10		0004 2681	
		0002 2682	
		0001 2683	
		0045 2685	
12		0080 2687	
		0040 2688	
		0020 2689	
13		0010 2690	
		2691	
		2692	
14		2693	
		2694	
15		0047 2696	
		0047 2697	
16		0048 2699	
		0080 2701	
17		0040 2702	
		0020 2703	
		0010 2704	
18		0008 2705	
		0004 2706	
19		0002 2707	
		0001 2708	
20		2710	

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 22	V09/11/81 12/08/81 21:31
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		0004 890	JCBDSCH3 EQU JCBDSCH2+1 SCHEDULER BYTE THREE
		0080 891	JCBMSEJ EQU X'80' SYSLOG - SUPPRESS 2 OPTION HALT
03		0040 892	JCBMSOFF EQU X'40' SYSLIST OFF SELECTED BY HALT OPTION
		0020 893	JCBMSPRT EQU X'20' SYSLIST PRINTER SELECTED BY HALT OPTION
		0010 894	JCBMREST EQU X'10' RESERVE STATEMENT RECEIVED THIS JOB
		0008 895	JCBMSCRT EQU X'08' SYSLIST CRT SELECTED BY HALT OPTION

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 22	V09/11/81 12/08/81 21:31
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		0080 94	
		0040 94	
03		0020 94	
		0010 94	
		0008 94	
		0004	

14	CSBMRRJE C 001 0082 0174
	CSBMRRWR C 001 0001 0264
	CSBMMSGT C 001 0002 0230
15	CSBMNDMP C 001 0010 0269
	CSBMNHLT C 001 0008 0270
	CSBMNMSG C 001 0040 0393
16	CSBMNRMC C 001 0000 0228
	CSBMNCTR C 001 0008 0186
	CSBMOPND C 001 0020 0184
17	CSBMPEI C 001 0080 0376
	CSBMPRINT C 001 0004 0262
	CSBMRID C 001 0001 0291
18	CSBMRQND C 001 0040 0258
	CSBMRQYS C 001 0080 0256
	CSBMRTDM C 001 0001 0229
19	CSBMRTRY C 001 0040 0377
	CSBMSDLP C 001 0083 0175
20	CSBMSL C 001 0004 0207

14	CSBM3285 C 001 0052 0338
	CSBM3286 C 001 0050 0349
	CSBM3287 C 001 0053 0339
15	CSBM3288 C 001 0054 0340
	CSBM3289 C 001 005A 0345
	CSBM3290 C 001 0020 0315
16	CSBM3295 C 001 0021 0316
	CSBM3299 C 001 0027 0322
	CSBM3301 C 001 0055 0341
17	CSBM3302 C 001 0056 0342
	CSBM3303 C 001 0057 0343
	CSBM3304 C 001 0058 0344
18	CSBM4689 C 001 00F9 0368
	CSBM4690 C 001 00FA 0369
	CSBM4691 C 001 00F1 0360
19	CSBM4692 C 001 00F2 0361
	CSBM4693 C 001 00F3 0362
20	CSBM4694 C 001 00F4 0363

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				
02		0080 2657	TUBUSUP EQU X'80'	. USER DISPLAY IS UP
		0040 2658	TUBUSSV EQU X'40'	. USER DISPLAY SAVED
03		0020 2659	TUBSYLST EQU X'20'	. SYSLIST DISPLAY UP
		0010 2660	TUBMBDCF EQU X'10'	. BROADCAST FAILURE
		0008 2661	TUBMRDTA EQU X'08'	. MRT PROC WITH DATA ENTERED
04		0004 2662	TUBSRILK EQU X'04'	. SAVE/RESTORE INTERLOCK
		0002 2663	TUBHPND EQU X'02'	. HELP FUNCTION PENDING
		0001 2664	TUBKBULK EQU X'01'	. KEYBOARD UNLOCKED
05		003C 2666	TUBCTSAV EQU TUBATTR6+2	SAVEAREA FOR TUBCOUNT
		003E 2667	TUBAPRNT EQU TUBCTSAV+2	ID OF ASSOCIATED PRINTER
		003F 2668	TUBMSGCT EQU TUBAPRNT+1	MESSAGE COUNT
06		0080 2669	TUBMSGRT EQU X'80'	. LEVEL 0 INQ MSG HAS BEEN REROUTED(REL4)
		0040 2670	TUBMSGR2 EQU X'40'	. LEVEL 1 INQ MSG HAS BEEN REROUTED(REL4)
07		0041 2671	TUBASGNL EQU TUBMSGCT+2	ASSIGNED BUFFER LENGTH
		0043 2672	TUBASGNB EQU TUBASGNL+2	ASSIGNED BUFFER ADDRESS
08		0044 2674	TUBATTR7 EQU TUBASGNB+1	ATTRIBUTE BYTE 7
09		0080 2676	TUBSRQPD EQU X'80'	. SYS REQ IS PENDING
		0040 2677	TUBIOERR EQU X'40'	. PERMANENT I/O ERROR ON THIS TUB
10		0020 2678	TUBMIQDS EQU X'20'	. INQUIRY DISABLED ON THIS TUB
		0010 2679	TUBCMDRJ EQU X'10'	. COMMAND REJECT ON THIS TUB
11		0008 2680	TUBREADY EQU X'08'	. TUB IN READY MODE
		0004 2681	TUBLIOER EQU X'04'	. LOGICAL I/O ERROR
		0002 2682	TUBLIOIP EQU X'02'	. LOGICAL I/O IN PROGRESS
		0001 2683	TUBRDYIP EQU X'01'	. READY FUNCTION IN PROGRESS
12		0045 2685	TUBATTR8 EQU TUBATTR7+1	ATTRIBUTE BYTE 8
13		0080 2687	TUBALRM EQU X'80'	. SOUND ALARM AND TURN ON LIGHT
		0040 2688	TUBLTOFF EQU X'40'	. TURN OFF MESSAGE LIGHT
		0020 2689	TUBASENT EQU X'20'	. ALARM HAS BEEN SENT
14		0010 2690	TUBMODTA EQU X'10'	. MODIFIED DATA TAG
		2691 *	EQU X'08'	. RESERVED FOR WSTOCH
		2692 *	EQU X'04'	. RESERVED FOR WSTOCH
		2693 *	EQU X'02'	. RESERVED FOR WSTOCH
		2694 *	EQU X'01'	. RESERVED FOR WSTOCH
15		0047 2696	TUBHELPM EQU TUBATTR8+2	HELP KEY MIC AREA
		0047 2697	TUBGCHAR EQU TUBHELPM	OR GAIJI CHARACTER ON AID REQUEST
16		0048 2699	TUBATTR9 EQU TUBHELPM+1	ATTRIBUTE BYTE 8
17		0080 2701	TUBBADGE EQU X'80'	. THIS TUB HAS BADGE SECURITY
		0040 2702	TUB960 EQU X'40'	. THIS TUB IS FOR A 960 CHAR SCREEN
		0020 2703	TUBMENU2 EQU X'20'	. DISPLAY PAGE 2 OF MENU ON 960
		0010 2704	TUBMRTSC EQU X'10'	. MRT SECURITY SWITCH
18		0008 2705	TUBSVRD EQU X'08'	. REJECT IN READY FUNCTION
		0004 2706	TUBSVR1 EQU X'04'	. ERROR DURING SAVE - STATUS OR CNSL SYSLG
		0002 2707	TUBSVR2 EQU X'02'	. ERROR DURING SAVE - SYS REQ OR INQUIRY
19		0001 2708	TUBRDYPD EQU X'01'	. READY TASK IS PENDING
20		2710 *		REJECT FILE INDEX

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ERR LOC	OBJECT CODE	ADDR
01		
02		004A
		004B
		004C
03		004D
		004E
		0080
		0040
		0020
		0010
		0008
		0004
06		0002
		0001
		004F
		0080
		0040
		0020
		0010
		0008
09		0004
		0002
		0001
10		0050
		0080
		0040
		0020
		0010
11		0008
		0004
		0002
		0001
12		0050
		0002
		0001
13		0050
		0051
		0080
		0040
		0020
		0010
15		0008
		0004
		2
		2
16		0053
		2
		2
17		0054
		0080
		0040
		0020
19		0010
		2
		2
		0008

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				
02		0080 944	JCBMUPNT EQU X'80'	WAITING FOR PRINTER
		0040 945	JCBMULIN EQU X'40'	WAITING FOR COMMUNICATION LINE
03		0020 946	JCBMIDKT EQU X'20'	WAITING FOR DISKETTE
		0010 947	JCBMIDSK EQU X'10'	WAITING FOR DISK SPACE
		0008 948	JCBMINT EQU X'08'	INITIATOR WAITING FOR RESOURCES
		0004 949	JCBMIMM EQU X'04'	WAITING FOR A MRT OVER MTRMAY

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ERR LOC	OBJECT CODE	ADDR
01		
02		005A
		005C
03		0061
		0062

14	CSBM3280 C 001 0051 0337
	CSBM3282 C 001 005E 0350
	CSBM3285 C 001 0052 0338
	CSBM3286 C 001 005D 0349
15	CSBM3287 C 001 0053 0339
	CSBM3288 C 001 0054 0340
	CSBM3289 C 001 005A 0345
	CSBM3290 C 001 0020 0315
16	CSBM3295 C 001 0021 0316
	CSBM3299 C 001 0027 0322
	CSBM3301 C 001 0055 0341
17	CSBM3302 C 001 0056 0342
	CSBM3303 C 001 0057 0343
	CSBM3304 C 001 0058 0344
18	CSBM4689 C 001 00F9 0368
	CSBM4690 C 001 00FA 0369
	CSBM4691 C 001 00F1 0360
19	CSBM4692 C 001 00F2 0361
	CSBM4693 C 001 00F3 0362
20	CSBM4694 C 001 00F4 0363

14	DTSVLEL A 005 00AD 3811 37
	DTSVREG C 001 000F 3148 31
	DTSVSI2 C 001 0012 3150 31
	DTSVSVL A 005 00AC 3813 38
15	DT00A107 A 003 00A5 3442 34
	DT00B107 A 003 00A7 3448 34
	DT000010 A 003 082F 3185 31
16	DT000011 A 003 0871 3208 31
	DT000012 A 005 087F 3212 32
	DT000013 A 004 0898 3219 32
17	DT000014 A 004 08B6 3241 32
	DT000015 A 003 08C1 3248 31
	DT000030 A 003 08CB 3251 33
18	DT000031 A 004 08DA 3256 32
	DT000036 A 005 0911 3272 32
	DT000040 A 003 0923 3277 32
19	DT000042 A 004 093A 3284 32
	DT000055 A 003 0945 3287 32
20	DT000060 A 004 094F 3290 32

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
02		004A	2711	TUBRFSS EQU	TUBATTR9+2 REJECT FILE - SS
		004B	2712	TUBRFN EQU	TUBRFSS+1 REJECT FILE - NUMBER SECTORS
		004C	2713	TUBRFCSS EQU	TUBRFN+1 REJECT FILE - CURRENT SECTOR
03		004D	2714	TUBRFDSP EQU	TUBRFCSS+1 REJECT FILE - RELATIVE DISPLACEMENT
			2715	*	
04		004E	2716	TUBCMSK1 EQU	TUBRFDSP+1 FIRST COMMAND KEY MASK BYTE
		0080	2717	TUBCMD8 EQU	X'80' ENABLE COMMAND KEY 8
		0040	2718	TUBCMD7 EQU	X'40' ENABLE COMMAND KEY 7
		0020	2719	TUBCMD6 EQU	X'20' ENABLE COMMAND KEY 6
05		0010	2720	TUBCMD5 EQU	X'10' ENABLE COMMAND KEY 5
		0008	2721	TUBCMD4 EQU	X'08' ENABLE COMMAND KEY 4
		0004	2722	TUBCMD3 EQU	X'04' ENABLE COMMAND KEY 3
06		0002	2723	TUBCMD2 EQU	X'02' ENABLE COMMAND KEY 2
		0001	2724	TUBCMD1 EQU	X'01' ENABLE COMMAND KEY 1
		004F	2725	TUBCMSK2 EQU	TUBCMSK1+1 SECOND COMMAND KEY MASK BYTE
07		0080	2726	TUBCMD12 EQU	X'80' ENABLE COMMAND KEY 12
		0040	2727	TUBCMD11 EQU	X'40' ENABLE COMMAND KEY 11
		0020	2728	TUBCMD10 EQU	X'20' ENABLE COMMAND KEY 10
08		0010	2729	TUBCMD9 EQU	X'10' ENABLE COMMAND KEY 9
		0008	2730	TUBCMD24 EQU	X'08' ENABLE COMMAND KEY 24
		0004	2731	TUBCMD23 EQU	X'04' ENABLE COMMAND KEY 23
09		0002	2732	TUBCMD22 EQU	X'02' ENABLE COMMAND KEY 22
		0001	2733	TUBCMD21 EQU	X'01' ENABLE COMMAND KEY 21
		0050	2734	TUBCMSK3 EQU	TUBCMSK2+1 THIRD COMMAND KEY MASK BYTE
10		0080	2735	TUBCMD20 EQU	X'80' ENABLE COMMAND KEY 20
		0040	2736	TUBCMD19 EQU	X'40' ENABLE COMMAND KEY 19
		0020	2737	TUBCMD18 EQU	X'20' ENABLE COMMAND KEY 18
11		0010	2738	TUBCMD17 EQU	X'10' ENABLE COMMAND KEY 17
		0008	2739	TUBCMD16 EQU	X'08' ENABLE COMMAND KEY 16
		0004	2740	TUBCMD15 EQU	X'04' ENABLE COMMAND KEY 15
12		0002	2741	TUBCMD14 EQU	X'02' ENABLE COMMAND KEY 14
		0001	2742	TUBCMD13 EQU	X'01' ENABLE COMMAND KEY 13
		0050	2743	TUBCMSK EQU	TUBCMSK3 COMMAND KEY MASK
13		0051	2744	TUBFMSK EQU	TUBCMSK+1 FUNCTION KEY MASK
		0080	2745	TUBPRT EQU	X'80' ENABLE PRINT KEY
		0040	2746	TUBRLUP EQU	X'40' ENABLE ROLL UP KEY
14		0020	2747	TUBRLDN EQU	X'20' ENABLE ROLL DOWN KEY
		0010	2748	TUBCLER EQU	X'10' ENABLE CLEAR KEY
		0008	2749	TUBHELP EQU	X'08' ENABLE HELP KEY
15		0004	2750	TUBRCBK EQU	X'04' ENABLE RECORD BACKSPACE KEY
			2751	*	EQU X'02' RESERVED
			2752	*	EQU X'01' RESERVED
16		0053	2753	TUBDXTA EQU	TUBFMSK+2 REMOTE WORKSTATIONS TUB (RUSTB)
			2754	*	NOTE: THE ABOVE EQUATE IS THE DISPLAY STATION TUB POINTER
			2755	*	TO THE RWS TUB. SEE PRINTER EQUATES FOR THE PRINTER
17			2756	*	TUB'S POINTER TO THE RWS TUB.
		0054	2757	TUBATTRA EQU	TUBDXTA+1 ATTRIBUTE BYTE 10
		0080	2758	TUBCLRAD EQU	X'80' . CLEAR AIDS
18		0040	2759	TUBLOCK EQU	X'40' . LOCK CONTROL
		0020	2760	TUBMOFF EQU	X'20' . OFF OCL STATEMENT RECEIVED
		0010	2761	TUBHOLD EQU	X'10' . HOLD PARAMETER FOR OFF COMMAND (ON)
19			2762	*	NOTE THAT IF THIS BIT IS NOT ON
			2763	*	IT INDICATES THE DROP PARAMETER
20		0008	2764	TUBSUBCN EQU	X'08' . SUBCONSOLE WORKSTATION

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR
01		
02		0004
		0002
		0001
03		0055
		0057
04		0058
		0080
05		0040
		0020
		0010
06		0008
		2
07		2
		005A
		2
08		005B
		2
09		0080
		0040
		0020
		0010
10		0008
		0018
		0004
11		0002
		0001
		005F
12		0060
		2
13		2
14		2
		2
15		2
		0026
16		0027
		002B
		002C
17		002D
		002E
		002F
18		0080
		0040
19		0020
		2
20		2

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
02		005A	998	JCBDJQST EQU	JCBDJBRG+3 JOB QUEUE JOB START TIME (JOBQ JOBS)
		005C	999	JCBDSPID EQU	JCBDJQST+2 SESSION PRINTER ID (RELEASED WS JOBS)
03		0061	1001	JCBDJORN EQU	JCBOMEF+3 JOB NAME (TIME STAMP)

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT

ERR LOC	OBJECT CODE	ADDR
01		
02		
03		

15	DTSVSI2 C 001 0012 3150 3151 3865* 3871
	DT000107 A 003 0A05 3442 3431
	DT000107 A 003 0AB7 3448 3443
16	DT000010 A 003 082F 3185 3173 3179
	DT000011 A 003 0871 3208 3199
	DT000012 A 005 087F 3212 3214
	DT000013 A 004 0898 3219 3217
17	DT000014 A 004 08B6 3241 3235
	DT000015 A 003 08C1 3248 3191 3228 3242
	DT000030 A 003 08CB 3251 3300
18	DT000031 A 004 08DA 3256 3254
	DT000036 A 005 0911 3272 3257
	DT000040 A 003 0923 3277 3289
19	DT000042 A 004 093A 3284 3282
	DT000055 A 003 0945 3287 3279 3285
20	DT000060 A 004 094F 3290 3273*

15	DT000360 A 004 0CD2 37
	DT000365 A 005 0CE8 37
	DT000370 A 004 0CF6 37
16	DT000380 A 003 0DD6 37
	DT002000 A 003 0AB0 34
	DT002010 A 004 0AE4 34
	DT002020 A 003 0B00 34
17	ECMACTV C 001 0080 04
	ECMCMPL C 001 0040 04
	ECMCPDL C 001 0025 04
18	ECMCSB C 001 0027 04
	ECMGSJ C 001 0003 04
	ECMINSQ C 001 0022 04
19	ECMIQERR C 001 0021 04
	ECMLLOCK C 001 0010 04
20	ECMMASK C 001 0001 04

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ENT
(ON)

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 61 V09/11/81 12/08/81 21:31
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	0004 2765 TUBMCOU EQU X'04'	. ENTER HAS BEEN PRESSED AT THE SUBCNLS
	0002 2766 TUBNOSUB EQU X'02'	. ASSIGN NOSUB ACTIVE ON THIS DEVICE
03	0001 2767 TUBROMOD EQU X'01'	. PERFORM READ MODIFIED
	0055 2768 TUBMSGID EQU TUBATTRA+1	NEXT REPLY ID TO USE AT SUBCONSOLE
	0057 2769 TUBDMATX EQU TUBMSGID+2	ADDRESS OF SUBCONSOLE MATRIX
04	0058 2771 TUBATTRB EQU TUBDMATX+1	ATTRIBUTE BYTE 11
05	0080 2773 TUBKDPLY EQU X'80'	. IGC CAPABLE DISPLAY
	0040 2774 TUBKKB EQU X'40'	. IGC CAPABLE KEYBOARD
	0020 2775 TUBKANJ EQU X'20'	. THIS SESSION IN IGC MODE
06	0010 2776 TUBGATJD EQU X'10'	. EXTD PROCESSING ON
	0008 2777 TUBRJFOV EQU X'08'	. FILE OVERFLOW OF THE REJECT FILE
	2778 * EQU X'04'	. RESERVED
	2779 * EQU X'02'	. RESERVED
07	2780 * EQU X'01'	. RESERVED
	005A 2781 TUBDGTUB EQU TUBATTRB+2	DISPLAY STATION POINTER TO GAIJI TUB
	2782 * EQU X'00'	REFERENCE GEXTB MACRO FOR DESCRIPTION
08	005B 2783 TUBATTRC EQU TUBDGTUB+1	ATTRIBUTE BYTE 12
09	0080 2785 TUBOTLGI EQU X'80'	. 0 OPTION TAKEN ON INVALID EXTN CHAR
	0040 2786 TUBOUNGJ EQU X'40'	. 0 OPTION ON AN UNDEFINED EXTN CHAR
	0020 2787 TUBORMFL EQU X'20'	. 0 OPTION ON A RAM FULL ERROR
10	0010 2788 TUB2RF EQU X'10'	. 2 OPTION TAKEN ON A RAM FULL ERROR
	0008 2789 TUB2IG EQU X'08'	. 2 OPTION ON AN INVALID EXTN CHAR
	0018 2790 TUB2UG EQU X'18'	. 2 OPTION ON AN UNDEFINED EXTN CHAR
11	0004 2791 TUBMHELP EQU X'04'	. HIGH LEVEL HELP ATD IN PROGRESS
	0002 2792 TUB1OPT EQU X'02'	. 1 OPTION TAKEN ON ABOVE ERROR
	0001 2793 TUBRAMER EQU X'01'	. SET OFF WSQS INTLK ON LOAD RAM ERROR
12	005F 2794 TUBRSVD EQU TUBATTRC+4	RESERVED
	0060 2795 TUBLEN EQU TUBRSVD+1	LENGTH OF A DISPLAY TUB
13		
14	2797 *	
	2798 *****	
	2799 * PRINTER UNIQUE PORTION OF THE TUB *	
	2800 *****	
15	2801 *	
16	0026 2803 TUBPXTa EQU TUBCOMMON+2	REMOTE WORKSTATION TUB ADDRESS (PRINTERS)
	0027 2804 TUBPRESV EQU TUBPXTa+1	RESERVED BYTE
	002B 2805 TUBPFMNO EQU TUBPRESV+4	FORMS NUMBER
17	002C 2806 TUBPFMLN EQU TUBPFMNO+1	FORMS LENGTH (LINES/PAGE)
	002D 2807 TUBPCRLN EQU TUBPFMLN+1	CURRENT LINE
	002E 2808 TUBPMXPP EQU TUBPCRLN+1	MAX PRINT POSITION (HORIZONTAL)
18	002F 2809 TUBDPST EQU TUBPMXPP+1	PRINTER STATUS BYTE
	0080 2810 TUBSPUMP EQU X'80'	. POST USER ON ERROR MESSAGE
	0040 2811 TUBSDPST EQU X'40'	. PRINTER PAST READY
19	0020 2812 TUBSEXTD EQU X'20'	. THIS PRINTER TUB HAS AN ADDITION
	2813 * EQU X'10'	. RESERVED
	2814 * EQU X'08'	. RESERVED
20	2815 * EQU X'04'	. RESERVED

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01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 25 V09/11/81 12/08/81 21:31
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	1052 * NUCEQ	00680000
	1053 *****	
03	1054 * MAIN STORAGE NUCLEUS *	
	1055 *****	
	1056 *****	
04	1057 * ADDR NAME SIZE (HEX) SIZE (DEC) LABEL *	
	1058 *****	

01	#SVAU TCB CHANGE ORG
	ERR LOC OBJECT CODE
02	
03	
04	

DT000345 A 004 OCA5 3717 3713
 14 DT000350 A 005 OCB0 3720 3716 3718
 DT000355 A 005 OCBF 3724 3722
 DT000360 A 004 OCD2 3729 3727
 15 DT000365 A 005 OCE8 3736 3731 3733
 DT000370 A 004 OCF6 3743 3736*
 DT000380 A 003 OD06 3748 3746
 16 DT002000 A 003 OABD 3454 3492
 DT002010 A 004 OAE4 3478 3461
 DT002020 A 003 OBO0 3497 3456
 17 ECMACTV C 001 0080 0415
 ECMCMPL C 001 0040 0416
 ECMCPOCL C 001 0025 0410
 18 ECMCSB C 001 0027 0412
 ECMGW C 001 0003 0423
 ECMINQ C 001 0022 0407
 19 ECMIOERR C 001 0021 0406
 ECMLOCK C 001 0010 0418
 ECMMASK C 001 0001 0414
 20

FSBMDPLB C 001 0020 0684
 FSBMDPNW C 001 0008 0671
 FSBMDPSR C 001 0004 0672
 15 FSBMHKAS C 001 0002 0677
 FSBMIFIL C 001 0020 0720
 FSBMIFLY C 001 0010 0721
 16 FSBMIPT C 001 0008 0701
 FSBMILSH C 001 00FF 0663
 FSBMKEYS C 001 0008 0686
 17 FSBMKYST C 001 0040 0683
 FSBMLBST C 001 0002 0688
 FSBMLNBK C 001 0080 0667
 18 FSBMNFAL C 001 0080 0682
 FSBMDLW C 001 0010 0700
 FSBMOPD C 001 0080 0697
 19 FSBMOPT C 001 0004 0702
 FSBMRF1 C 001 00FE 0664
 FSBMSIZE C 001 0040 0668
 20

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 62 V09/11/81 12/08/81 21:31

#SVAU TCB CHANGE ORG OR DETACH TR

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		2816 *	EQU	X'02'	. RESERVED
		2817 *	EQU	X'01'	. RESERVED
03	0030	2818	TUBPLEN	EQU	TUBDPRST+1 LENGTH OF A BASIC PRINTER TUB
		2819			*****
		2820 *			PRINTER TUB ADDITION *
		2821			*****
04	0031	2822	TUBPSUBC	EQU	TUBPLEN+1 SUBCONSOLE LOGICAL ID
	0033	2823	TUBPGTUB	EQU	TUBPSUBC+2 POINTER TO GAIJI TUB (PRINTERS)
		2824 *			REFERENCE GEXTB MACRO FOR DESCRIPTION
05	0034	2825	TUBPATR1	EQU	TUBPGTUB+1 PRINTER ATTRIBUTE BYTE ONE
	0080	2826	TUBKPNTN	EQU	X'80' . IGC CAPABLE PRINTER
06	0040	2827	TUBGAIJP	EQU	X'40' . EXTD PROCESSING ON FOR THIS PRINTER
		2828 *	EQU	X'20'	. RESERVED
		2829 *	EQU	X'10'	. RESERVED
07		2830 *	EQU	X'08'	. RESERVED
		2831 *	EQU	X'04'	. RESERVED
		2832 *	EQU	X'02'	. RESERVED
		2833 *	EQU	X'01'	. RESERVED
08	0035	2834	TUBPLPI	EQU	TUBPATR1+1 LINES PER INCH
		2835 *			LEFT NIBBLE = LAST VALUE SENT
		2836 *			RIGHT NIBBLE = DEFAULT VALUE
09	003F	2837	TUBPERES	EQU	TUBPLPI+10 RESERVED AREA
	0040	2838	TUBPELEN	EQU	TUBPERES+1 LENGTH OF A PRINTER TUB WITH ADDITION
		2839 *			
10		2840			*** END OF EXPANSION **

ERR LOC	OBJECT CODE	ADDR	STMT
02		2842	
		2843	
		2844	
03		2845	
	0001	2846	
	0000	2847	
04	0002	2848	
	0004	2849	
	0000	2850	
05	0040	2851	
	0000	2852	
		2853	
06		2854	
		2855	
	0000	2856	
07	0001	2857	
	0002	2858	
	0003	2859	
08	0004	2860	
	0005	2861	
	0006	2862	
09	0007	2863	
	0008	2864	
	0009	2865	
10	000A	2866	
	000B	2867	
	000C	2868	
	000C	2869	
	0017	2870	
	0022	2871	
		2872	
	0020	2873	
13	002E	2874	
	002F	2875	
	0030	2876	
	0031	2877	
		2878	
	0037	2879	
	0038	2880	
15	0039	2881	
		2882	
		2883	
		2884	
		2885	
	0000	2886	
17	0001	2887	
		2888	
	0014	2889	
18	0008	2890	
		2891	
	000E	2892	
19	000F	2893	
	000F	2894	
	001B	2895	

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 26 V09/11/81 12/08/81 21:31

#SVAU TCB CHANGE ORG OR DETACH TR

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		1106 *	03B0	TERMINATION DUMP IOB	0020 32 NUADPIOB *
		1107 *			*
03		1108 *	03D0	TERMINATION DUMP ACE	0010 16 NUADPACE *
		1109 *			*
		1110 *	03E0	PERMANENT SWAP ACE	0010 16 NUASPACE *

ERR LOC	OBJECT CODE	ADDR	STMT
02		1131	
	0000	1132	
		1133	
03	0000	1134	
	0100	1135	

14	FSBMDFLY C 001 0040 0719
	FSBMDPLB C 001 0020 0684
	FSBMDPLD C 001 0010 0670
	FSBMDPNW C 001 0008 0671
	FSBMDPSR C 001 0004 0672
15	FSBMHKAS C 001 0002 0677
	FSBMIFIL C 001 0020 0720
	FSBMIFLY C 001 0010 0721
16	FSBMIPT C 001 0008 0701
	FSBML1SH C 001 00FF 0663
	FSBMKEYS C 001 0008 0686
17	FSBMKYST C 001 0040 0683
	FSBMLBST C 001 0002 0688
	FSBMLNBK C 001 0080 0667
18	FSBMNFAL C 001 0080 0682
	FSBMOLMV C 001 0010 0700
	FSBMOPD C 001 0080 0697
19	FSBMOPT C 001 0004 0702
	FSBMRF1 C 001 00FE 0664
20	FSBMSIZE C 001 0040 0668

	FIADSDIR C 001 000B 0445
	FIADSFIL C 001 0000 0457 0489
14	FIADSNEM C 001 0015 0503
	FIADSTDA C 001 0018 0508 0510
	FIADSTIX C 001 0031 0598 0600
15	FIADTYPE C 001 000C 0447 0457
	FIADVTOC C 001 001D 0512 0537 054
	FIALLGCD C 001 0028 0618
16	FIALLGIN C 001 0040 0621
	FIALLGLB C 001 0020 0623 3472
	FIALLVTA C 001 001E 0537
17	FIALZVTA C 001 0012 0604
	FIAMBLRN C 001 0080 0492
	FIAMCKPT C 001 0040 0572
18	FIAMCONS C 001 0040 0449
	FIAMDIRC C 001 0020 0450
	FIAMDLTC C 001 0020 0573
19	FIAMDNFG C 001 0004 0562
	FIAMDPCCK C 001 0010 0465
20	FIAMGASK C 001 0008 0575

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01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 63	V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	2842 * TWAEQ		00820000
	2843 *		
03	2844 * GENERAL TASK WORK AREA ACCESS EQUATES		
	2845 *		
	0001 2846 TWAPUT EQU X'01'	PUT TO TASK WORK AREA	
	0000 2847 TWAGET EQU X'00'	GET FROM TASK WORK AREA	
04	0002 2848 TWASYS EQU X'02'	SYSTEM REQUEST (XRI = TCB a)	
	0004 2849 TWASWA EQU X'04'	USE WORKSTATION WORK AREA	
	0000 2850 TWATWA EQU X'00'	USE ALLOCATED TASK WORK AREA	
05	0040 2851 TWAREAL EQU X'40'	DATA AREA IN REAL STORAGE	
	0000 2852 TWAXLATE EQU X'00'	DATA AREA IN TRANSLATED STORAGE	
	2853 *		
06	2854 * WORKSTATION WORK AREA - ONE PER COMMAND WORKSTATION		
	2855 *		
	0000 2856 TPP#EOV EQU 0	TAG 0 - SAVE AREA FOR RD EOV	
07	0001 2857 TWAPPS12 EQU 1	TAG 1 - PROCEDURE PARM SAVE AREA	
	0002 2858 TWAPPS34 EQU 2	TAG 2 - PROCEDURE PARM SAVE AREA	
	0003 2859 TWAPPS56 EQU 3	TAG 3 - PROCEDURE PARM SAVE AREA	
08	0004 2860 TWAPPS78 EQU 4	TAG 4 - PROCEDURE PARM SAVE AREA	
	0005 2861 TWAPPS9A EQU 5	TAG 5 - PROCEDURE PARM SAVE AREA	
	0006 2862 TWAPPSBC EQU 6	TAG 6 - PROCEDURE PARM SAVE AREA	
09	0007 2863 TWAPPSDE EQU 7	TAG 7 - PROCEDURE PARM SAVE AREA	
	0008 2864 TWAPPSFO EQU 8	TAG 8 - PROCEDURE PARM SAVE AREA	
	0009 2865 TWAPLCL EQU 9	TAG 9 - LOCAL AREA	
10	000A 2866 TWAPPSINS EQU 10	TAG 10- SYSIN SAVE AREA	
	000B 2867 TWAPPSOSA EQU 11	TAG 11- MRT DATA SAVE AREA	
	000C 2868 TWAPPSAVE EQU 12	TAG 12- SAVE/RESTORE AREA (LENGTH-33)	
11	000C 2869 TWAPPSUSER EQU 12	USER SAVE AREA (12-22)	
	0017 2870 TWAPPSINQ EQU 23	INQUIRY SAVE AREA (23-33)	
	0022 2871 TWAPPSLGTG EQU 34	LOGICAL I/O RESERVED AREA (34-44)	
12	2872 *	TAG 44- END OF SAVE/RESTORE AREAS	
	002D 2873 TWAPPSJSS EQU 45	TAG 45- WORK STATION CONFIGURATION	
	002E 2874 TWAPPSCOMM EQU 46	TAG 46- COMMUNICATIONS CONFIGURATION	
13	002F 2875 TWAPPSLOGR EQU 47	TAG 47- SYSLOG RESPONSE DATA	
	0030 2876 TWAPPSLOGC EQU 48	TAG 48- SYSLOG COMMUNICATIONS TO CONSOLE	
	0031 2877 TWAPPSKMQ EQU 49	TAG 49- TASK MESSAGE QUEUE AREA	
14	2878 *	TAG 54- END OF MESSAGE QUEUE AREA	
	0037 2879 TWAPPSOCLC EQU 55	TAG 55- OCL COMMAND SAVE AREA	
	0038 2880 TWAPPSXLAT EQU 56	TAG 56- TRANSLATE TABLE AREA	
15	0039 2881 TWAPPSRRMG EQU 57	TAG 57- DUAL MESSAGE ROUTING AREA	
	2882 *	TAG 58- RESERVED THRU 59	
	2883 *		
16	2884 * COMMAND PROCESSOR TAGS		
	2885 *		
	0000 2886 TWAPPSNUSE EQU 00	TAG 00- NOT USED	
17	0001 2887 TWAPPSCO1 EQU 01	TAG 01- SYSTEM CONSOLE IMAGE	
	2888 *	TAG 07- END	
	0014 2889 TWAPPSCEND EQU 20	NUMBER OF IMAGES	
18	0008 2890 TWAPPSMQ01 EQU 08	TAG 08- MESSAGE QUEUE	
	2891 *	TAG 13- END OF MESSAGE QUEUE TAGS	
	000E 2892 TWAPPSCURT EQU 14	TAG 14- CURRENT SYSTEM PRINTER IMAGE	
19	000F 2893 TWAPPSCSV EQU 15	TAG 15- SYSTEM CONSOLE SAVE/RESTORE AREAS	
	000F 2894 TWAPPSCNLS EQU 15	CONSOLE SAVE AREA (15-26)	
20	001B 2895 TWAPPSJSSA EQU 27	WORKSTATION SAVE AREA (27-38)	

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01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 27	V09/11/81 12/08/81 21:31
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	1131 *		*
	0000 1132 NUFIXNUC EQU X'000'	MAIN STORAGE NUCLEUS - FIXED AREA	
	1133 *		
03	0000 1134 NUBSCA EQU NUFIXNUC	SYSTEM COMMUNICATION AREA	

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	0027 2896 TWAPPS		
	0033 2897 TWAPPS		
	2898 *		
03	003C 2899 TWAPPS		
	2900 *		
	2901 *		
04	2902 *		
	2903 *		
	0002 2904 TWAPPS		
05	0003 2905 TWAPPS		
	0004 2906 TWAPPS		
	0006 2907 TWAPPS		
06	0007 2908 TWAPPS		
	0008 2909 TWAPPS		
	2910 ***		

01	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT		
02	0390 1185 NUFIXNUC		
	0008 1186 NUFIXNUC		
	1187 *		
03	0398 1188 NUFIXNUC		

13	F1ADRFST C 001 0015 0505
	F1ADSDIR C 001 0008 0445
	F1ADSFGL C 001 0000 0457 0489
14	F1ADSMEM C 001 0015 0503
	F1ADSTDA C 001 0018 0508 0510
	F1ADSTIX C 001 0031 0598 0600
15	F1ADTYPE C 001 000C 0447 0457
	F1ADVTOC C 001 001D 0512 0537 0546 0641
	F1ALLGCD C 001 0028 0618
16	F1ALLGIN C 001 0040 0621
	F1ALLGLB C 001 0020 0623 3472
	F1ALIVTA C 001 001E 0537
17	F1ALZVTA C 001 0012 0604
	F1AMBLRN C 001 0080 0492
	F1AMCKPT C 001 0040 0572
18	F1AMCONS C 001 0040 0449
	F1AMDIRC C 001 0020 0450
	F1AMD LTC C 001 0020 0573
19	F1AMDNFG C 001 0004 0562
	F1AMDPCK C 001 0010 0465
20	F1AMGASK C 001 0008 0575

13	F1APXTND C 001 0080 0549
	F1FLAG C 001 001E 0641 0645
	F1RESTR C 001 00FF 0643
14	F1SSEND C 001 0027 0647
	F1SSTR C 001 0021 0645
	F11 C 001 0001 3135
15	F12 C 001 0002 3136 3397* 3398
	F51 C 001 0001 3106 3787* 3788
	F52 C 001 0002 3105 3822* 3823
16	IAR C 001 0010 3054 3774*
	IARX C 001 0008 3092 3725 3728
	IOB C 001 0001 3055
17	JCBDBFR C 001 006F 1028 1031
	JCBDCCB C 001 0003 1040 1041
	JCBDCIB C 001 0052 0987 0989
18	JCBDCRLB C 001 0010 0928 0929
	JCBDCSBP C 001 0065 1024 1026
	JCBDC TAG C 001 002B 0955 0957
19	JCBDDATE C 001 0009 0920 0922
	JCBDDFRG C 001 0056 0993 0995
20	JCBDDTFA C 001 0054 0989 0991

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		0027	2896	TWAX*STAT EQU	39 . STATUS SAVE AREA (39-50)
		0033	2897	TWAX*ERPS EQU	51 TAG 51- I/O ERP SAVE AREA FOR MSG BUILD
			2898	*	52 TAG 52- RESERVED THRU 59
03		003C	2899	TWAX*CSMQ EQU	60 TAG 60- CONSOLE SYSLOG MESSAGE QUEUE.
			2900	*	119 TAG 119- END OF CONSOLE MESSAGE QUEUE.
			2901	*	
04			2902	*	TWA EXTENSION ELEMENT EQUATES
			2903	*	
05		0002	2904	TWAXMAP EQU	02 TWA AVAILABLE TRACKS MAP
		0003	2905	TWAXMAPL EQU	03 LENGTH OF MAP FIELD
		0004	2906	TWAXNEXT EQU	TWAXMAP+2 CHAIN FIELD
06		0006	2907	TWAXSS EQU	TWAXNEXT+2 DISK ADDRESS OF THIS ELEMENT
		0007	2908	TWAXN EQU	TWAXSS+1 CONTAINS LENGTH OF MAP FIELD
		0008	2909	TWAXLEN EQU	TWAXN+1 LENGTH OF TWA
			2910	***	END OF EXPANSTON **

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE
02			2912	*
			2913	*****
			2914	*****
03			2915	**
			2916	*****
			2917	*****
04			2919	*****
			2920	* GEN
			2921	*****
05			0080	2922 XEXAMIT
			0040	2923 XEADFF
06			0020	2924 XEBOFF
			0010	2925 XFERCTU
			0020	2926 XNTPRIV
07			0008	2927 XNTAREA
			000F	2928 XNTAREA
08			0008	2929 XFERIAC
			0004	2930 XFEREAC
09			0002	2931 XFEREBC
			0001	2932 XFERIAC
			2933	*****
10			2934	* *SYST
			2935	*****
			0000	2936 RRSVDOO
			0001	2937 RFIN
11			0002	2938 ROPEN
			0003	2939 RCLOSE
			0004	2940 REQJ
12			0005	2941 RSLG
			0006	2942 RSLIST
			0007	2943 RSTN
13			0008	2944 RSGET
			0009	2945 RSMG
			000A	2946 RLIBRY
14			000B	2947 RVTOCFD
			000C	2948 RALLO
			000D	2949 RDALOC
15			000E	2950 RSALOC
			000F	2951 RINFO
			0010	2952 RVTORD
16			0011	2953 RSNAP
			0012	2954 RPHILT
			0013	2955 RDMCALL
17			0014	2956 RPRALGN
			0015	2957 RCPRT
			0016	2958 RLOPEN
18			0017	2959 RWSOM
			0018	2960 RWSODM
			0019	2961 RFINDLT
19			001A	2962 RAFA
			001B	2963 RSPool
20			001C	2964 RSPALC

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		0390	1185	NUADSTQE EQU	NUWCSETC+NULACE DISPATCHER TQE
		000B	1186	MULTQE EQU	8 * (LENGTH OF A TQE)
			1187	*	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE
02			1228	*
			0001	1229 PUSHOC
			0003	1230 PUSHOC

13	F1AMPXNF C 001 0008 0467	F1AMPXTND C 001 0080 0549	F1FLAG C 001 001E 0641 0645	F1RESTR C 001 00FF 0643
14	F1SSEND C 001 0027 0647	F1SSTRT C 001 0021 0645	F11 C 001 0001 3135	F12 C 001 0002 3136 3397* 3398
15	F51 C 001 0001 3106 3787* 3788 3795* 3798* 3800	F52 C 001 0002 3105 3822* 3823 3829 3830 3831 3835 3842 3847* 3852*	IAR C 001 0010 3054 3774*	IARX C 001 0008 3092 3725 3728 3917
16	I0B C 001 0001 3055	JCBDBFRA C 001 006F 1028 1031	JCBDCCB C 001 0003 1040 1041	JCBDCITB C 001 0052 0987 0989
17	JCBDCRLB C 001 0010 0928 0929	JCBDCSBP C 001 0065 1024 1026	JCBDCTAG C 001 0028 0955 0957	JCBDDATE C 001 0009 0920 0922
18	JCBDDFRG C 001 0056 0993 0995	JCBDDTFA C 001 0054 0989 0991		
19				
20				

13	JCBDRG52 C 001 002A 0953 0955 3236* 3241	JCBDSCH1 C 001 0002 0869 0879	JCBDSCH2 C 001 0003 0879 0890	JCBDSCH3 C 001 0004 0890 0900
14	JCBDSCH4 C 001 0063 1014 1024 3415 3417*	JCBDSCH5 C 001 0062 1003 1004	JCBDSLLO C 001 004D 0981 0983	JCBDSLRL C 001 0055 0991 0993
15	JCBDSLLO C 001 004D 0981 0983	JCBDSLRL C 001 0055 0991 0993	JCBDSLST C 001 002D 0957 0959	JCBDSLST C 001 000E 0924 0928
16	JCBDSLST C 001 000E 0924 0928	JCBDSPID C 001 005C 0999	JCBSSBA C 001 0001 1039 1040	JCBSTAT C 001 0029 0943 0953
17	JCBSTAT C 001 0029 0943 0953	JCBDUPSI C 001 0006 0910 0920	JCBDUR1L C 001 003F 0969 0970	JCBDUR2L C 001 0041 0970 0972
18	JCBDUR2L C 001 0041 0970 0972	JCBUSER C 001 006D 1026 1028 1029	JCBUSR1 C 001 0037 0965 0966	JCBUSR2 C 001 0039 0966 0967
19	JCBUSR2 C 001 0039 0966 0967	JCBWSBP C 001 0016 0933 0935	JCB1PRC C 001 0020 0937 0941	
20	JCB1PRC C 001 0020 0937 0941			

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08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 65 V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	2912 * XNTEQ 00840000	
03	2913 *****	
04	2914 *****	
05	2915 ** MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES **	
06	2916 *****	
07	2917 *****	
08	2919 *****	
09	2920 * GENERAL EQUATES FOR TRANSIENT/TRANSFER TABLE ENTRIES *	
10	2921 *****	
11	0080 2922 XEXAMID EQU X'80' EXAM ID TRANSFER ROUTINE	
12	0040 2923 XEAOFF EQU X'40' SET EA CYCLE XLATE OFF INDICATOR	
13	0020 2924 XEBOFF EQU X'20' SET EB CYCLE XLATE OFF INDICATOR	
14	0010 2925 XFERCTL EQU X'10' TRANSFER CONTROL ROUTINE	
15	0020 2926 XNTPRIV EQU X'20' PRIVILEGED TRANSIENT	
16	0008 2927 XNTAREAS EQU X'08' FIRST SECTOR IN TRANSIENT AREA(HIGH)	
17	000F 2928 XNTAREAE EQU X'0F' LAST SECTOR IN TRANSIENT AREA (HIGH)	
18	0008 2929 XFERIADN EQU X'08' IAR TRANSLATION ON	
19	0004 2930 XFEREADN EQU X'04' SET EA ON TRANSFER CONTROL	
20	0002 2931 XFEREBON EQU X'02' SET EB ON TRANSFER CONTROL	
21	0001 2932 XFERWPN EQU X'01' SET ON WRITE PROTECT(NON-PRIVLEDGED)	
22	2933 *****	
23	2934 * 'SYSTEM' TRANSIENT RIB EQUATES (I.E., IMPLICIT DISK ADDR, LENGTH) *	
24	2935 *****	
25	0000 2936 RRSVDOO EQU X'00' RESERVED	
26	0001 2937 RFINDD EQU X'01' FIND	
27	0002 2938 ROPEN EQU X'02' OPEN	
28	0003 2939 RCLOSE EQU X'03' CLOSE	
29	0004 2940 REQJ EQU X'04' END-OF-JOB	
30	0005 2941 RSLQG EQU X'05' SYSLOG	
31	0006 2942 RSLIST EQU X'06' SYSLIST	
32	0007 2943 RSTN EQU X'07' SYSIN	
33	0008 2944 RSGET EQU X'08' SOURCE GET	
34	0009 2945 RSMG EQU X'09' MESSAGE RETREIVE	
35	000A 2946 RLIBRY EQU X'0A' LIBRARY OPEN/CLOSE	
36	000B 2947 RVTOCFD EQU X'0B' VTOC READ/WRITE FD	
37	000C 2948 RALLO C EQU X'0C' ALLOCATE	
38	000D 2949 RDALOC EQU X'0D' DEALLOCATE	
39	000E 2950 RSALOC EQU X'0E' SPECIAL ALLOCATE	
40	000F 2951 RINFO EQU X'0F' RETRIEVE SYSTEM INFORMATION	
41	0010 2952 RVTORDD EQU X'10' VTOC READ/WRITE RD	
42	0011 2953 RSNAP EQU X'11' SNAP DUMP	
43	0012 2954 RPHALT EQU X'12' RPG HALT	
44	0013 2955 RDMCALL EQU X'13' DI TA MANAGEMENT CONTROLLER	
45	0014 2956 RPRALGN EQU X'14' PRINTER ALIGNMENT	
46	0015 2957 RCPRT EQU X'15' COMMAND PROCESSOR ROUTER	
47	0016 2958 RLOPEN EQU X'16' LIMITS OPEN	
48	0017 2959 RWSDM EQU X'17' USER WSDM REQUEST	
49	0018 2960 RSWSDM EQU X'18' SYSTEM WSDM REQUEST	
50	0019 2961 RFINDLTB EQU X'19' USER LIBRARY FIND REQUEST	
51	001A 2962 RAFA EQU X'1A' AFA ACCESS TRANSIENT	
52	001B 2963 RSPOLL EQU X'1B' SPOOL INTERCEPT REQUEST	
53	001C 2964 RSPALC EQU X'1C' SPOOL ALLOCATE REQUEST	

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08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 29 V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	001D 2965 RCPERR EQU	
03	001E 2966 RTTC EQU	
04	001F 2967 RCPTX EQU	
05	0020 2968 RSETX EQU	
06	0021 2969 RWDDB EQU	
07	0022 2970 RSVNR EQU	
08	0023 2971 RWDG EQU	
09	0024 2972 RWDAF EQU	
10	0025 2973 RWDOD EQU	
11	0026 2974 RWDAA EQU	
12	0027 2975 ROFFLINE EQU	
13	0028 2976 RWDH EQU	
14	0029 2977 RWDOL EQU	
15	002A 2978 RWDOP EQU	
16	002B 2979 RPRAZ EQU	
17	002C 2980 RCPD EQU	
18	002D 2981 RIOERR EQU	
19	002E 2982 REXTND EQU	
20	002F 2983 RUPDAT EQU	
21	0030 2984 RCHKPT EQU	
22	0031 2985 RSPMIC EQU	
23	0032 2986 RICDA EQU	
24	0033 2987 RICDB EQU	
25	0034 2988 RICDC EQU	
26	0035 2989 RSVTX EQU	
27	0036 2990 RSORT EQU	
28	0037 2991 REXTRA EQU	
29	0038 2992 RMDL EQU	
30	0039 2993 RGLFR EQU	
31	003A 2994 RGLFAC EQU	
32	003B 2995 REXTNP EQU	
33	003C 2996 RSMFC EQU	
34	003D 2997 RICDD EQU	
35	003E 2998 RMDU EQU	
36	003F 2999 RWDOT EQU	
37	0040 3000 RWEGE EQU	
38	0041 3001 RRDMM EQU	
39	0042 3002 RWDH EQU	
40	0043 3003 RSPQMG EQU	
41	0043 3004 RXTEND EQU	
42	0110 3006 XFLENBYT EQU	
43	0088 3007 XFLENWRD EQU	
44	3008 *** END OF E	

08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 29 V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	1228 * PUPEQ 00700000	

08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 29 V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
02	1243 * RB	

12	JCBDPDRG C 001 0028 0941 0943
	JCBDPSPB C 001 0018 0935 0937
	JCBDRGS2 C 001 002A 0953 0955 3236* 3241 3243
13	JCBDRTRC D 001 002F 0959 0961
	JCBDSCHI C 001 0002 0869 0879
	JCBDSCH2 C 001 0003 0879 0890
14	JCBDSCH3 C 001 0004 0890 0900
	JCBDSCH4 C 001 0063 1014 1024 3415 3417* 3735*
	JCBDSCH5 C 001 0062 1003 1004
15	JCBDSLLC C 001 004D 0981 0983
	JCBDSLLR C 001 0055 0991 0993
	JCBDSL0B C 001 002D 0957 0959
16	JCBDSLST C 001 000E 0924 0928
	JCBDSPID C 001 005C 0999
	JCBDS5B@ C 001 0001 1039 1040
17	JCBDSSTAT C 001 0029 0943 0953
	JCBDUPSI C 001 0006 0910 0920
	JCBDUR1L C 001 003F 0969 0970
18	JCBDUR2L C 001 0041 0970 0972
	JCBUSER C 001 006D 1026 1028 1029
	JCBDUSR1 C 001 0037 0965 0966
19	JCBDUSR2 C 001 0039 0966 0967
	JCBMWSBP C 001 0016 0933 0935
20	JCBDI1PRC C 001 0020 0937 0941

12	JCBMTRRA C 001 0080 0845
	JCBMTRCL C 001 0080 0880
	JCBMPGTS C 001 0020 1017
13	JCBMPNEP C 001 0020 0883
	JCBMPRTY C 001 0040 0881
	JCBMPLUC C 001 0080 0870
14	JCBMRC5M C 001 0004 0906
	JCBMRDVC C 001 0010 0904
	JCBMRDVU C 001 0008 0905
15	JCBMREGN C 001 0080 0857
	JCBMREST C 001 0010 0894
	JCBMRINQ C 001 0002 0897
16	JCBMRLCL C 001 0040 0858
	JCBMRSET C 001 0001 0908
	JCBMRSNP C 001 0002 0866
17	JCBMRTWA C 001 0020 0872
	JCBMRUNG C 001 0040 0846
	JCBMSCRT C 001 0008 0895
18	JCBMSELT C 001 0002 0907
	JCBMSEQJ C 001 0080 0891
	JCBMSLNG C 001 0040 1006
19	JCBMSLOG C 001 0080 0901
	JCBMSLOP C 001 0002 0950
20	JCBMSOFF C 001 0040 0892

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		00840000

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 66		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02		001D 2965	RCPERR	EQU	X'1D' COMMAND PROCESSOR I/O ERROR
		001E 2966	RTTC	EQU	X'1E' TASK-TASK COMMUNICATONS
03		001F 2967	RCPTC	EQU	X'1F' COMMAND PROCESSOR TASK-TASK
		0020 2968	RSETX	EQU	X'20' SET EXIT
		0021 2969	RWDD8	EQU	X'21' WSDM TRANSIENT
04		0022 2970	RSVNR	EQU	X'22' ''
		0023 2971	RWDDG	EQU	X'23' ''
		0024 2972	RWDAF	EQU	X'24' ''
05		0025 2973	RWDD0	EQU	X'25' ''
		0026 2974	RWDDA	EQU	X'26' ''
		0027 2975	ROFFLINE	EQU	X'27' OFFLINE MV DATA MGMT.
06		0028 2976	RWDDH	EQU	X'28' WSDM TRANSIENT
		0029 2977	RWDDQ	EQU	X'29' ''
		002A 2978	RWDCP	EQU	X'2A' ''
07		002B 2979	RPRAZ	EQU	X'2B' SECURITY
		002C 2980	RCMD	EQU	X'2C' COMMAND OCL INTERFACE
		002D 2981	RIOERR	EQU	X'2D' I/O ERROR TRANSIENT
08		002E 2982	REXTND	EQU	X'2E' EDF EXTEND TRANSIENT
		002F 2983	RUPDAT	EQU	X'2F' EDF UPDATE TRANSIENT
		0030 2984	RCHKPT	EQU	X'30' CHECKPOINT TRANSIENT
09		0031 2985	RSPMIC	EQU	X'31' SPOOL TRANSIENT
		0032 2986	RICDA	EQU	X'32' ICF (CVC) 4
		0033 2987	RICDB	EQU	X'33' ICF (CVC) 4
		0034 2988	RICDC	EQU	X'34' ICF (CVC) 4
10		0035 2989	RSVTX	EQU	X'35' TWA EXTENSION 3
		0036 2990	RSORT	EQU	X'36' SORT TRANSIENT 4
		0037 2991	REXTRA	EQU	X'37' EXTENDED TRACE 4
11		0038 2992	RWDDL	EQU	X'38' WSDM TRANSIENT
		0039 2993	RGLFR	EQU	X'39' GLF TRANSIENT 5
		003A 2994	RGLFAC	EQU	X'3A' GLF TRANSIENT 5
12		003B 2995	REXTNP	EQU	X'3B' EXTENDED PRINT 6
		003C 2996	RSMFC	EQU	X'3C' SMF COMM. DATA COLLECTION 6
		003D 2997	RICDD	EQU	X'3D' PEER MULTIPOINT 6
13		003E 2998	RWDDU	EQU	X'3E' WSDM XIENT
		003F 2999	RWDDT	EQU	X'3F' "
		0040 3000	RWEGE	EQU	X'40' "
14		0041 3001	RRODM	EQU	X'41' RDOM TTC XIENT CALL
		0042 3002	RWDHH	EQU	X'42' WSDM XIENT
		0043 3003	RSPQMG	EQU	X'43' SPOOL QUEUE MGMT XIENT
15		0043 3004	RXTEND	EQU	RSPQMG LAST VALID ENTRY
16		0110 3006	XFLENBYT	EQU	RXTEND*4+4 LENGTH OF XFER TABLE (BYTES)
		0088 3007	XFLENWRD	EQU	RXTEND*2+2 LENGTH OF XFER TABLE (WORDS)
				3008 ***	END OF EXPANSION **

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 30		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02					3010 *
					3011 ***
					3012 *
03					3013 ***
				0002	3014 \$LD
				0003	3015 \$LD
04				0005	3016 \$LD
				0007	3017 \$LD
				0008	3018 \$LD
05					3019 *
				0009	3020 \$LD
				0008	3021 \$LD
06				000C	3022 \$LD
07					3024 ***
					3025 * R
					3026 ***
08					3027 *
					3028 * R
					3029 *
09				0001	3030 \$LD
				0002	3031 \$LD
				0004	3032 \$LD
10				0008	3033 \$LD
				0010	3034 \$LD
					3035 *
					3036 * R
11					3037 *
					3038 * N
					3039 *
12				0001	3040 \$LD
				0002	3041 \$LD
				000A	3042 \$LD
13				0004	3043 \$LD
				0006	3044 \$LD
				000E	3045 \$LD
14					3046 ***

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#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 30		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 30		V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT

	JCBMROVJ C 001 0010 0904
15	JCBMREGN C 001 0080 0857
	JCBMREST C 001 0010 0894
	JCBMRTNG C 001 0002 0897
16	JCBMRLCL C 001 0040 0858
	JCBMRSST C 001 0001 0908
	JCBMRSNP C 001 0002 0866
17	JCBMRTWA C 001 0020 0872
	JCBMRUNG C 001 0040 0846
	JCBMSCRT C 001 0008 0895
18	JCBMSELT C 001 0002 0907
	JCBMSEJ C 001 0080 0891
	JCBMSLMG C 001 0040 1006
19	JCBMSLOG C 001 0080 0901
	JCBMSLOP C 001 0002 0950
	JCBMSOFF C 001 0040 0892
20	

	LIFO C 001 0001 3110
15	MAINT A 001 0F09 3954
	NINE C 001 0009 3072
	NDBIT C 001 0000 3079
16	NOOP C 001 0080 3078
	NPRV C 001 0001 3096 3728
	NJABLBF1 C 001 02E0 1163 1166
17	NJABACEQH C 001 0100 1137 1140
	NJABADWRK C 001 0700 1210
	NJABATQE C 001 03A8 1192 1194
18	NJABADZK C 001 07C0 1213
	NJABCTAH C 001 0002 1146
	NJABCTCB C 001 0200 1145 1149 3
19	NJABCTEC C 001 0380 1183 1185
	NJABCXIOB C 001 01E0 1143 1145
20	NJABDLTQE C 001 03A0 1190 1192

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*SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 67 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02		3010 *	\$LOAD 00853000
		3011	*****
		3012 *	MAIN STORAGE RELOCATING LOADER PARAMETER LIST EQUATES *
03		3013	*****
		0002 3014 \$LDDSS EQU 2	SS ADDR OF MEMBER
		0003 3015 \$LDDTEXT EQU \$LDDSS+1	NUMBER OF TEXT SECTORS
04		0005 3016 \$LDDLK EQU \$LDDTEXT+2	LINK EDIT ADDRESS
		0007 3017 \$LDDSTRT EQU \$LDDLK+2	START CONTROL ADDR (ENTRY POINT)
		0008 3018 \$LDDRLD EQU \$LDDSTRT+1	RLD DISP IN THE FIRST SECTOR
05		3019 *	CONTAINING RLD
		0009 3020 \$LDDTOT EQU \$LDDRLD+1	TOTAL NUMBER OF SECTORS
		0008 3021 \$LDDLOAD EQU \$LDDTOT+2	MODULE LOAD ADDRESS
06		000C 3022 \$LDDLLEN EQU \$LDDLOAD+1	LENGTH OF LOADER PARM LIST
		3024	*****
07		3025 *	RIB VALUES FOR THE RELOCATING LOADER *
		3026	*****
		3027 *	
08		3028 *	RIB BIT EQUATES FOR VARIOUS LOADER FUNCS
		3029 *	
		0001 3030 \$LDRELAD EQU X'01'	BIT FOR 'REL ADDR LOAD'
09		0002 3031 \$LDTOADR EQU X'02'	BIT FOR 'TO ADDR'
		0004 3032 \$LDFETCH EQU X'04'	BIT FOR 'FETCH'
		0008 3033 \$LDSFTCH EQU X'08'	BIT FOR 'SYSTEM REQUEST'
10		0010 3034 \$LDAMID EQU X'10'	BIT FOR LOADING AN EXAM
		3035 *	
		3036 *	RIB BYTE EQUATES FOR ALL LOADER FUNCS
		3037 *	
		3038 *	NOTE: ANY OTHER RIB VALUES WILL CAUSE UNPREDICTABLE ERRORS
		3039 *	
12		0001 3040 \$LDMSSL EQU \$LDRELAD	LOAD BY RELATIVE SS
		0002 3041 \$LDMLOAD EQU \$LDTOADR	LOAD TO-ADDRESS
		000A 3042 \$LDMSLD EQU \$LDMLOAD+\$LDSFTCH	SYSTEM LOAD
13		0004 3043 \$LDMFCH EQU \$LDFETCH	FETCH
		0006 3044 \$LDMFCHA EQU \$LDMFCH+\$LDTOADR	FETCH TO-ADDRESS
		000E 3045 \$LDMFCH EQU \$LDMFCHA+\$LDSFTCH	SYSTEM FETCH
14		3046 ***	END OF EXPANSION **
15			
16			
17			
18			
19			
20			

*SVAU TCB CHANGE ORG OR DETACH TRA		PAGE 31 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02			3048
			3049
			0001 3050
03			0002 3051
			0004 3052
			0008 3053
04			0010 3054
			0001 3055
			0002 3056
			3057
05			0000 3058
			0000 3059
06			0002 3060
			3061
			0040 3062
07			0000 3063
			0001 3064
			0002 3065
08			0003 3066
			0004 3067
			0005 3068
09			0006 3069
			0007 3070
			0008 3071
10			0009 3072
			3073 *
			0010 3074
11			0090 3075
			0087 3076
			3077 *
12			0080 3078
			0000 3079
			000F 3080
13			00F0 3081
			00FF 3082
			0080 3083
14			0020 3085
			0010 3086
15			0008 3087
			0004 3088
			0002 3089
16			0001 3090
			3091 *
			0008 3092
17			0004 3093
			0002 3094
			0000 3095
18			0001 3096
			0080 3097
19			3098 *
20			

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*SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 31 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02	00720000	1262 *	SCAEQ 00740000
		1263	*****
		1264 *	*
03		1265 *	SYSTEM *
		1266 *	*
		1267 *	COMMUNICATION AREA *
04		1268 *	*

*SVAU TCB CHANGE ORG OR DETACH TRA		PAGE 31 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02			0001 1316
			1317
			1318
03			0081 1319
			0001 1320
			0000 1321
04			1322

	JOB1	C 001	0001	3110					
	LIFO	C 001	0010	0736	0738				
15	MAINT	A 001	0F09	3954					
	NINE	C 001	0009	3072					
	NOBIT	C 001	0000	3079					
16	NOOP	C 001	0080	3078					
	NPRV	C 001	0001	3096	3728				
	NUMBLF1	C 001	02E0	1163	1166				
17	NUMACEQH	C 001	0100	1137	1140				
	NUMADLRK	C 001	0700	1210					
	NUMATQE	C 001	03A8	1192	1194				
18	NUMBADZK	C 001	07C0	1213					
	NUMCPTAH	C 001	0002	1146					
	NUMCPTCB	C 001	0200	1145	1149	3250	3422	3436	3542 3557 3710
19	NUMCSETC	C 001	0380	1183	1185				
	NUMCXIOB	C 001	01E0	1143	1145				
20	NUMDLTQE	C 001	03A0	1190	1192				

	MULSCA	C 001	0100	1135	1138				
	MULTQE	C 001	0008	1186	1188				
15	MULTRBUF	C 001	0100	1207	1208				
	MULTWAG	C 001	0005	1158	1166				
	MULTWAX	C 001	0023	1150	1155				
16	MULXIEN	C 001	0800	1205	1212				
	NUMBITS	C 001	000F	3080					
	NUMVARNUC	C 001	1000	1219	1222				
17	ONE	C 001	0001	3064					
	OP1	C 001	0002	3094	3729				
	OP2	C 001	0004	3093	3729				
18	PAK2	C 001	0002	3109					
	PLIFO	C 001	0040	0425					
	PREEPT	C 001	0080	0424	3428				
	PRIOR	C 001	0080	0734	0738				
	PRIORF	C 001	0080	0739					
20	PRIORL	C 001	0090	0738					

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01	#SVAL	TCB CHANGE	ORG OR DETACH	TRANSIENT		PAGE 68	V09/11/81	12/08/81	21:31
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
	00853000				3048 * #EQU				00857000
	**				3049 *				
	*				0001 3050 XR1 EQU 1 REGISTER ONE				
	**				0002 3051 XR2 EQU 2 REGISTER TWO				
03					0004 3052 PSR EQU 4 PROGRAM STATUS REGISTER				
					0008 3053 ARR EQU 8 ADDRESS RECALL REGISTER				
04					0010 3054 IAR EQU 16 INSTRUCTION ADDRESS REGISTER				
					0001 3055 IOB EQU 1 IOB POINTER				
					0002 3056 DTF EQU 2 DTF POINTER				
05					3057 *				
					0000 3058 # EQU 0 ALTERABLE CODE				
					0000 3059 ## EQU 0 ALTERABLE CODE				
06					0002 3060 @ EQU 2 LENGTH OF ADDRESSES				
					3061 *				
					0040 3062 BLANK EQU C ' ' BLANK CHARACTER				
07					0000 3063 ZERO EQU 0 **				
					0001 3064 ONE EQU 1 * *				
					0002 3065 TWO EQU 2 * *				
08					0003 3066 THREE EQU 3 * *				
					0004 3067 FOUR EQU 4 * *				
					0005 3068 FIVE EQU 5 * * SELF DEFINING TERMS				
09					0006 3069 SIX EQU 6 * *				
					0007 3070 SEVEN EQU 7 * *				
					0008 3071 EIGHT EQU 8 * *				
10					0009 3072 NINE EQU 9 **				
					3073 *				
					0010 3074 TRUE EQU X'10' TRUE CONDITION CODE				
11					0090 3075 FALSE EQU X'90' FALSE CONDITION CODE				
					0087 3076 UNCOND EQU X'87' UNCONDITIONAL CONDITION CODE				
					3077 *				
12					0080 3078 NOOP EQU X'80' NEVER BRANCH				
					0000 3079 NOBIT EQU X'00' NO BITS MASK				
13					000F 3080 NUMBITS EQU X'0F' NUMERIC BITS ONLY MASK				
					00F0 3081 ZONEBITS EQU X'F0' ZONE BITS ONLY MASK				
					00FF 3082 ALLBIT EQU X'FF' ALL BITS MASK				
14					0080 3083 BIT0 EQU X'80' MASK FOR BIT 0 - X.....				
					0040 3084 BIT1 EQU X'40' MASK FOR BIT 1 - .X.....				
					0020 3085 BIT2 EQU X'20' MASK FOR BIT 2 - ..X.....				
15					0010 3086 BIT3 EQU X'10' MASK FOR BIT 3 - ...X....				
					0008 3087 BIT4 EQU X'08' MASK FOR BIT 4 -X...				
					0004 3088 BIT5 EQU X'04' MASK FOR BIT 5 -X..				
16					0002 3089 BIT6 EQU X'02' MASK FOR BIT 6 -X.				
					0001 3090 BIT7 EQU X'01' MASK FOR BIT 7 -X				
					3091 *				
17					0008 3092 IARX EQU X'08' IAR TRANSLATED				
					0004 3093 OP2 EQU X'04' OP2 TRANSLATED				
					0002 3094 OP1 EQU X'02' OP1 TRANSLATED				
					0000 3095 PRV EQU X'00' TASK PRIVELEDGED				
18					0001 3096 NPRV EQU X'01' TASK NOT PRIVELEDGED				
					0080 3097 DSABL EQU X'80' DISPATCHING DISABLED				
					3098 *** END OF EXPANSION **				

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01	#SVAL	TCB CHANGE	ORG OR DETACH	TRANSIENT		PAGE 32	V09/11/81	12/08/81	21:31
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT				
	00740000				0001 1316 SCAMDS1Z EQU X'01' . X'01' - DISK FILE SIZE				
	**				1317 * 0 - 8 MEGABYTE DISK				
	*				1318 * 1 - 12 MEGABYTE DISK				
03					0081 1319 SCAM27MG EQU X'81' . 27 MEGABYTE DISK				
					0001 1320 SCAM13MG EQU 1 . 13 MEGABYTE DISK				
					0000 1321 SCAM10MG EQU 0 . 8 MEGABYTE DISK				
04					1322 *				

01	#SVAL	TCB CHANGE	ORG OR DETACH	TRANSIENT	
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
					0080 13
					0020 13
					0040 13
					0010 13
					0008 13
					0004 13

14	MULMSSQS C 001 1000 1222 1224
	MULRDIOB C 001 0038 1161 1163
	MULSCA C 001 0100 1135 1137
15	MULTQE C 001 0008 1186 1188 1190 1192 1194
	MULTRBUF C 001 0100 1207 1208
	MULTWAG C 001 0005 1158 1160
16	MULTWAK C 001 0023 1150 1151 1157 3895
	MULXIEN C 001 0800 1205 1219
	NUMBITS C 001 000F 3080
17	NUVARNUC C 001 1000 1219 1221
	ONE C 001 0001 3064
	OP1 C 001 0002 3094 3725 3728 3760
	OP2 C 001 0004 3093 3725 3728
18	PAK2 C 001 0002 3109
	PLIFD C 001 0040 0425
	PREEMPT C 001 0080 0424 3426 3440 3561
	ROR C 001 0080 0734 0738 0739
	RIDRF C 001 0080 0739
20	PRIORL C 001 0090 0738

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14	QHDXTRA C 001 009A 0821
	QHDFD C 001 0000 0747
	QHDFDA C 001 0030 0771
	QHDFDB C 001 0032 0772
15	QHDFDC C 001 0034 0773
	QHDFDD C 001 0036 0774
	QHDGLF C 001 000A 0826
	QHDGW C 001 0076 0807
16	QHDHI C 001 0001 0731
	QHDHIST C 001 006E 0803
17	QHDINQEX C 001 0090 0816
	QHDIOXNT C 001 000A 0752
	QHDIO C 001 0002 0748
18	QHDIOA C 001 0038 0775
	QHDKBTR C 001 001E 0762
	QHDLOAD C 001 001C 0761
19	QHDLOC C 001 007A 0809
	QHDMTI C 001 00A8 0828
20	QHDNSACE C 001 00A2 0825

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#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 69 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		3100 *	REGISTERS USED
	0001 3101 PRM1	EQU 1	PARM LIST POINTER
	0002 3102 PRM2	EQU 2	PARM LIST POINTER
03	0001 3103 RIB1	EQU 1	PARM LIST POINTER
	0002 3104 RIB2	EQU 2	PARM LIST POINTER
04	0002 3105 F52	EQU 2	BIT MASK POINTER
	0001 3106 F51	EQU 1	BIT MASK POINTER
	0001 3107 CP1	EQU 1	COMMAND PROCESSOR PARM
05	0002 3108 CP2	EQU 2	COMMAND PROCESSOR PARM
	0002 3109 PAK2	EQU 2	PACKED DATA PARM
	0001 3110 JOB1	EQU 1	JOB NAME FIELD REGISTER
06	0001 3111 CD1	EQU 1	CODE INDEX REGISTER
	0002 3112 CD2	EQU 2	CODE INDEX REGISTER
	0001 3113 TCB1	EQU 1	TCB POINTER
07	0002 3114 TCB2	EQU 2	TCB POINTER
	0001 3115 CSB1	EQU 1	CSB POINTER aa093
	0002 3116 CSB2	EQU 2	CSB POINTER aa093
08	0001 3117 ACE1	EQU 1	ACE POINTER
	0002 3118 ACE2	EQU 2	ACE POINTER
	0001 3119 JCB1	EQU 1	JCB POINTER
09	0002 3120 JCB2	EQU 2	JCB POINTER
	0001 3121 RB1	EQU 1	RB POINTER
	0002 3122 RB2	EQU 2	RB POINTER
10	0001 3123 S1Z1	EQU 1	REGISTER TO SAVE ALLOC. SIZ
	0002 3124 S1Z2	EQU 2	REGISTER TO SAVE ALLOC. SIZ
	0001 3125 ATR1	EQU 1	REG. TO POINT INTO ATRS
11	0002 3126 ATR2	EQU 2	REG. TO POINT INTO ATRS
	0001 3127 SYN1	EQU 1	SYNIN BUFFER
	0002 3128 SYN2	EQU 2	SYNIN BUFFER
12	0001 3129 BAS1	EQU 1	BASE REGISTER 1
	0002 3130 BAS2	EQU 2	BASE REGISTER 2
	0001 3131 TUB1	EQU 1	TUB INDEX REGISTER 1
13	0002 3132 TUB2	EQU 2	TUB INDEX REGISTER 2
	0001 3133 BUF1	EQU 1	INDEX BUFFER POINTER
	0002 3134 BUF2	EQU 2	INDEX BUFFER REGISTER
14	0001 3135 F11	EQU 1	INDEX BUFFER POINTER
	0002 3136 F12	EQU 2	INDEX BUFFER REGISTER
	0001 3137 PSH1	EQU 1	INDEX BUFFER REGISTER
15	0002 3138 PSH2	EQU 2	INDEX BUFFER REGISTER
	0001 3139 QUE1	EQU 1	
	0002 3140 QUE2	EQU 2	
16	0001 3141 TAB1	EQU 1	
	0002 3142 TAB2	EQU 2	
	0000 3143 DEAHIGH	EQU 0	
17	0001 3144 DEASIZE	EQU DEAHIGH+1	
	0002 3145 DEANEXT	EQU DEASIZE+1	
	00FF 3146 DETACH	EQU X'FF'	DETACH REQUEST
18	0005 3147 SNM5IZ	EQU 5	SNA SIZE OF 10K aa093
	000F 3148 DTSVREG	EQU TCBRSZ-TCBRSE	OFFSET OF SAVE AREA
	0011 3149 DTSVARR	EQU DTSVREG+2	OFFSET OF SAVE ARR
19	0012 3150 DTSVSI2	EQU DTSVARR+1	OFFSET OF SAVED LENGTH
	0013 3151 DTSVLEN	EQU DTSVSI2+1	LENGTH OF SAVE ELEMENT

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#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 33 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0080 1370 SCAMBSCA	EQU X'80'	BSCA
	0020 1371 SCAMSRJE	EQU X'20'	SRJE
03	0040 1372 SCAMRJE	EQU X'40'	MRJE
	0010 1373 SCAMRNA	EQU X'10'	SNA
	0008 1374 SCAMRUS	EQU X'08'	RUS

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#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 33 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		3153 *	IDM
		3154	LEV
		3155	ATTN
03		3156	RLO
		3157	MRT
04	0800 F2 87 06		J
05	0803 7BE2E5C1E4	0807 3159	DC
	0808 08	0808 3160	DC
06		3162 *** END OF EX	
		3163 *	PMR
07	0809 F4 00 0D		SVC
	080C 0002	080D 3165	DC
		3166 *** END OF EX	
		3167 *	TCB
	080E 35 02 0141		L
		3168	
08	0812 85 02 17		L
	0815 9C 00 12 00		MVC
09	0819 8D FF 12		CLI
	081C F2 81 10		JE
10	081F 9C 18 2A 18		MVC
		3175 *	
		3176 *	FREE ATTAC
		3177 *	
11	0823 B8 01 1E		TBN
	0826 F2 90 06		JF
		3178	
		3179	
12	0829 F4 00 07		FREE
		3180 *	SVC
13	082C 001D	082D 3182	DC
	082E 81	082E 3183	DC
		3184 *** END OF EX	
14	082F F6 00 80		3185 DTO00010 LPMR
		3186 *	TCB
15	0832 35 01 0141		L
		3187	
16	0836 6C 00 1C 12		3188 *** END OF EX
	083A 7D FF 1C		MVC
	083D F2 81 81		CLI
		3189	
		3190	
		3191	JE
17		3192 *	
		3193 *	CALCULATE
		3194 *	
18	0840 BB 07 1D		SBF
	0843 6C 01 19 1D		MVC
	0847 5F 01 1B 18		SLC
	084B B8 40 27		TBN
	084E F2 10 20		JT
19	0851 68 01 1B 16		MZN
	0855 68 02 1A 16		MWZ

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#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 33 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	002F 1424 SCACONFG	EQU	1425 *
03	0031 1426 SCASHIST	EQU	
	0033 1427 SCASHSIZ	EQU	
	0035 1428 SCASHDIR	EQU	

14	QHDEXAM C 001 0046 0827
	QHDFD C 001 0000 0747
	QHDFDA C 001 0030 0771
	QHDFDB C 001 0032 0772
15	QHDFDC C 001 0034 0773
	QHDFDD C 001 0036 0774
	QHDGLF C 001 0044 0826
16	QHDGW C 001 0076 0807
	QHDHI C 001 0001 0731
	QHDHIST C 001 006E 0803
17	QHDINQEX C 001 0090 0816
	QHDIOXNT C 001 000A 0752
	QHDIO C 001 0002 0748
18	QHDIOA C 001 0038 0775
	QHDKBTR C 001 001E 0762
	QHDLOAD C 001 001C 0761
19	QHDLOC C 001 007A 0809
	QHDMTI C 001 00A8 0828
20	QHDMSACE C 001 00A2 0825

14	QHDTTTC C 001 0048 0784
	QHDWTUB C 001 005A 0793
	QHDWTWA C 001 001A 0760
	QHDWTWAF1 C 001 0098 0820
15	QHDVILK C 001 0068 0800
	QHDWISC C 001 0006 0750
	QHDWISQS C 001 0080 0812
16	QHDXTENT C 001 0042 0781
	QHDX21 C 001 00AE 0831
	QHD5ILK C 001 006A 0801
	QHWAIT C 001 0008 1917
17	QWCHPRI C 001 0018 1926
	QWQ C 001 0010 1920
	QWQNV C 001 0019 1925
18	QWREF C 001 0002 1912
	QWREFRESH C 001 0001 1911
	QWSET C 001 0010 1919
19	QWSEC C 001 0009 1927
	QWYSREQ C 001 0004 1914
20	QWTOEXM C 001 0008 1916

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 70 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
00860000	02	3153 *	IDMAC NAME=#SVAU,ATTR-C00800,JUMP-Y,RLD-D
00870000		3154	LEVEL 08 RELEASE LEVEL
00880000		3155	ATTR C00800 LIBRARY ATTRIBUTES
00890000		3156	RLD D RLD OPTION
00900000		3157	MRT 00 MRT OPTION
00910000	03	0800 F2 87 06	J **9 JUMP AROUND MAIN STORE CONSTANTS
00920000	04	0803 7BE2E5C1E4	DC CL5 '*SVAU' MODULE NAME
00930000		0808 08	DC XL1'08' RELEASE LEVEL
00940000			
00950000	05	3162 ***	END OF EXPANSION **
00960000		3163 *	PMR OPI-N TURN OFF OPI TRANSLATION
00970000	06	0809 F4 00 0D	SVC SVCPMR,QO CHANGE PMR SVC.
00980000		080D 0002	DC AL2(2+0+0+0) INLINE PARAMETERS.
00990000			
01000000		3166 ***	END OF EXPANSION **
01003000	07	3167 *	TCB@ R-TCB2 XR2-> CURRENT TCB
01006000		080E 35 02 0141	L 321,TCB2 GET TCB ADDRESS.
01010000			
01020000	08	0812 B5 02 17	L TCBCRB(,TCB2),RB2 XR2-> CURRENT RB
01030000		0815 9C 00 12 00	MVC RB\$LEN+\$LDSS-2(1,RB2),\$LDSS-2(,PRM1) MOVE IN 1 BYTE
01040000		0819 BD FF 12	CLI RB\$LEN+\$LDSS-2(,RB2),DETACH DETACH REQUEST ?
01050000	09	081C F2 81 10	JE DT000010 YES, BYPASS ENTIRE MOVE
01060000			
01070000		081F 9C 18 2A 18	MVC RB\$LEN+\$ATLENG-1(\$ATLENG,RB2),\$ATLENG-1(,PRM1) MOVE PRM
01080000	10	3175 *	
01090000		3176 *	FREE ATTACH PARAMETER LIST IF REQUIRED
01100000		3177 *	
01110000	11	0823 B8 01 1E	TBN RB\$LEN+\$ATFLAG(,RB2),\$ATFRPM FREE PARM LIST ?
01120000		0826 F2 90 06	JF DT000010 NO, DO NOT FREE
01130000			
01140000	12	0829 F4 00 07	FREE QUEUE-YES,LEN-\$ATLENG YES, FREE PARM LIST
01150000		3181	SVC SVCFREE,QO ISSUE FREE REQUEST
01160000	13	082C 001D	DC AL2(\$ATLENG+4) LENGTH + 4 OF AREA TO FREE
01170000		082E 81	DC AL1(X'80'+1) FREE FUNCTION BYTE
01180000		3184 ***	END OF EXPANSION **
01190000	14	082F F6 00 80	DT000010 LPMR PRV-DSABL
01200000		3186 *	TCB@ R-TCB1 PICK UP TCB ADDRESS
01210000		0832 35 01 0141	L 321,TCB1 GET TCB ADDRESS.
01220000			
01230000	15	0836 6C 00 1C 12	MVC TCB@ARR-1(1,TCB1),RB\$LEN+\$LDSS-2(,RB2) SET FLAG
01240000		083A 7D FF 1C	CLI TCB@ARR-1(,TCB1),DETACH DETACH REQUEST ?
01250000		083D F2 81 81	JE DT000015 YES, BYPASS CALC.
01260000	16	3192 *	
01270000		3193 *	CALCULATE THE PROGRAM SIZE IN #2K BLOCKS
01280000		3194 *	
01290000	17	0840 BB 07 1D	SBF RB\$LEN+\$ATLOAD(,RB2),X'07' ENSURE ON 8 BYTE BOUNDARY
01300000		3195	MVC TCB@XR1(2,TCB1),RB\$LEN+\$ATLOAD(,RB2) LOAD ADDR.
01301000	18	0843 6C 01 19 1D	SLC TCB@XR2(2,TCB1),TCB@XR2(,TCB1) ZERO OUT LINK @
01302000		0847 5F 01 1B 18	TBN RB\$LEN+\$ATFLAG1(,RB2),\$ATCOMMON PROG. SUPPORT COMMON ?
01303000		0848 B8 40 27	JT DT000011 YES, ASSUME LINK OF 0
01304000	19	084E F2 10 20	MZN TCB@XR2(,TCB1),RB\$LEN+\$LDL1NK-1(,RB2) MOVE IN @
01305000		0851 68 01 1B 16	MNZ TCB@XR2-1(,TCB1),RB\$LEN+\$LDL1NK-1(,RB2) MOVE IN @
01310000	20	0855 68 02 1A 16	

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02	0859 5E 01 1B 1B
	085D 5C 00 1B 1A
03	0861 5E 00 1A 1A
	0865 5E 00 1A 1A
	0869 5E 00 1A 1A
04	0860 5F 00 1B 1A
	0871 7C FF 27
	0874 6E 00 27 15
05	0878 5E 00 1B 27
	087C 7C 00 26
	087F 4E 00 26 0E7F
06	0884 4F 01 19 0EA8
	0889 C0 02 087F
07	088D 6D 00 26 1F
	0891 F2 04 04
08	0894 9C 00 1F 26
	0898 6C 00 26 1F
09	089C 5C 00 1B 1B
	08A0 7C 00 1B
10	
11	08A3 7D 00 14
	08A6 F2 81 18
12	
13	08A9 78 80 04
	08AC 75 02 15
14	08AF F2 90 04
15	08B2 AC 00 2A 57
16	
	08B6 6D 00 26 2A
	08BA F2 02 04
17	
	08BD 6C 00 26 2A
18	
19	08C1 7C 00 24
	08C4 7C 00 1D
	08C7 35 02 020D
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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 34 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
002F	1424	SCACONFG EQU	SCADSS10+2 2 SS OF CONFIGURATION RECORD
	1425 *		
0031	1426	SCASHIST EQU	SCACONFG+2 2 START SS OF HISTORY FILE
0032	1427		

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13	QDHTM	C 001 0050	0788				
	QDHTC	C 001 0048	0784	3425	3439	3560	
	QDHTUB	C 001 005A	0793				
14	QDHTLA	C 001 001A	0760				
	QDHTLAF1	C 001 0098	0820				
	QDHTVLK	C 001 0068	0800				
15	QDHTWSC	C 001 0006	0750				
	QDHTWSQS	C 001 0080	0812				
	QDHTXENT	C 001 0042	0781				
16	QDHTX21	C 001 00AE	0831				
	QDHTSILK	C 001 006A	0801				
	QDHTWAIT	C 001 0008	1917	1925	1926	1927	
17	QDHTCHPRI	C 001 0018	1926				
	QDHTNQ	C 001 0010	1920	1925	1926		
	QDHTQNV	C 001 0019	1925				
18	QDHTREF	C 001 0002	1912				
	QDHTREFRESH	C 001 0001	1911				
	QDHTQST	C 001 0010	1919				
19	QDHTSPEC	C 001 0009	1927				
	QDHTSYSREQ	C 001 0004	1914				
20	QDHTOEXM	C 001 0008	1916				

13	RCHKPT	C 001 0030	2984				
	RCLOSE	C 001 0003	2939				
14	RCMD	C 001 002C	2980				
15	RCPPERR	C 001 001D	2965				
	RCPRIT	C 001 0015	2957				
16	RCPTC	C 001 001F	2967				
	RDALOC	C 001 000D	2949				
	RDNCALL	C 001 0013	2955				
17	REGJ	C 001 0004	2940				
	REXTND	C 001 002E	2982				
	REXTNP	C 001 003B	2995				
18	REXTTRA	C 001 0037	2991				
	RFIND	C 001 0001	2937				
	RFINDLIB	C 001 0019	2961				
19	RGLFAC	C 001 003A	2994				
	RGLFR	C 001 0039	2993				
20	RIB1	C 001 0001	3103				

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 71 V09/11/81 12/08/81 21:31			#SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	
01								
02	01320000	0859 5E 01 1B 18	3202	ALC	TCB@XR2(2,TCB1),TCB@XR2(,TCB1) CALCULATE BEGL	02	08C8 7C 00 27	
		0850 5C 00 1B 1A	3203	MVC	TCB@XR2(1,TCB1),TCB@XR2-1(,TCB1) SAVE BEGL VALUE		08CE B8 02 77	
		0861 5E 00 1A 1A	3204	ALC	TCB@XR2-1(1,TCB1),TCB@XR2-1(,TCB1) DOUBLE ITS VALUE		08D1 B9 80 77	
03		0865 5E 00 1A 1A	3205	ALC	TCB@XR2-1(1,TCB1),TCB@XR2-1(,TCB1) DOUBLE ITS VALUE	03	08D4 F2 90 03	
		0869 5E 00 1A 1A	3206	ALC	TCB@XR2-1(1,TCB1),TCB@XR2-1(,TCB1) DOUBLE ITS VALUE			
		086C 5F 00 18 1A	3207	SLC	TCB@XR1-1(1,TCB1),TCB@XR2-1(,TCB1) SUBT. LINK a		08D7 7C 05 27	
04		0871 7C 7F 27	3208	DT000011	MVI	TCB@INL4(,TCB1),X'FF'	04	08DA 9D 01 00 0D
		0874 6E 00 27 15	3209	ALC	TCB@INL4(1,TCB1),RBSLEN+1LDDTEXT(,RB2) ADD IN SECT. SIZE		08DE F2 01 30	
		0878 5E 00 18 27	3210	ALC	TCB@XR1-1(1,TCB1),TCB@INL4(,TCB1) ADD TO SIZE			
05		087C 7C 00 26	3211	MVI	TCB@INL3(,TCB1),0	05	08E1 75 02 17	
		087F 4E 00 26 0E7F	3212	DT000012	ALC	TCB@INL3(1,TCB1),DT000001		08EA B9 02 1E
06	01330000	0884 4F 01 19 0EAB	3213	SLC	TCB@XR1(2,TCB1),DT000800		08EB D2 02 00	
		0889 C0 02 087F	3214	BNL	DT000012		08EA B9 80 04	
							08ED B8 02 77	
							08FO 7D FF 1C	
07	01340000	088D 6D 00 26 1F	3215	CLC	TCB@INL4(,TCB1),RBSLEN+1\$MSSIZ(,RB2) SIZE REQ'D	07	08F3 F2 91 76	
			3216	*	LESS THAN SIZE TO LOAD ?			
		0891 F2 04 04	3217	JNH	DT000013		08F6 6E 00 27 26	
							08FA 4D 00 27 000D	
							08FF C0 84 08BA	
08	01350000	0894 9C 00 1F 26	3218	MVC	RBSLEN+1\$MSSIZ(1,RB2),TCB@INL3(,TCB1) MAKE NEW SIZE	08	0903 5D 00 27 24	
09	01360000	0898 6C 00 26 1F	3219	DT000013	MVC	TCB@INL3(1,TCB1),RBSLEN+1\$MSSIZ(,RB2) MOVE IN SIZE		0907 F2 04 62
	01370000	089C 5C 00 18 1B	3220	MVC	TCB@XR1-1(1,TCB1),TCB@XR2(,TCB1) MOVE IN BEGL VALUE			
	01380000	08AD 7C 00 1B	3221	MVI	TCB@XR2(,TCB1),0		0909 50 00 27 24	
			3222	*			0907 F2 04 62	
			3223	*	TCB@INL3=#2K PAGES REQUIRED TO LOAD PROGRAM			
			3224	*	TCB@XR1-1=NEW TCB BEGL VALUE		090A 5C 00 24 27	
			3225	*	TCB@XR2-1 AND TCB@XR2=LOGICAL START PARTITION ADDRESS		090E F2 87 5B	
			3226	*				
11	01420000	08A3 7D 00 14	3227	CLI	TCB@JCB(1,TCB1),0	11	0911 4E 00 1D 0E7F	
	01430000	08A6 F2 81 18	3228	JE	DT000015		0916 34 02 0952	
							091A BD 00 0A	
	01450000		3229	*		12	091D F2 81 33	
			3230	*	IF TASK IS IN TERMINATION MAKE ITS STEP REGION SIZE=ITS JOB			
			3231	*	REGION SIZE		0920 B5 02 0B	
			3232	*			0923 B9 80 04	
			3233	*			0926 B9 80 07	
			3234	*			0929 F2 90 19	
14	01460000	08A9 78 80 04	3235	TBN	TCB@STAT3(,TCB1),TCB@TERM	14	092C 6C 00 25 04	
	01470000	08AC 75 02 15	3236	L	TCB@JCB(,TCB1),JCB2		0930 BD 00 00	
		08AF F2 90 04	3235	JF	DT000014		0933 F2 01 04	
	01470100	08B2 AC 00 2A 57	3236	MVC	JCB@DRGS2(1,JCB2),JCB@JBRG(,JCB2) RESET JOB REG. SIZE		0936 5E 00 25 27	
	01470200		3237	*			093A 5D 00 25 24	
	01470300		3238	*	SET TCB@INL3= LARGER OF PROG. SIZE REQUIRED TO EXECUTE, OR		093E F2 04 04	
			3239	*	THE STEP REGION			
			3240	*				
	01470400	08B6 6D 00 26 2A	3241	DT000014	CLC	TCB@INL3(1,TCB1),JCB@DRGS2(,JCB2) STEP REG. >		0941 5C 00 24 25
	01470500	08BA F2 02 04	3242	JNL	DT000015		0945 BD 00 00	
	01470600						0948 B5 02 01	
	01470700	08BD 6C 00 25 2A	3243	MVC	TCB@INL3(1,TCB1),JCB@DRGS2(,JCB2) MOVE IN LARGER SIZE		0948 C0 01 0923	
	01470800		3244	*				
	01470900		3245	*	CALCULATE THE MAXIMUM SWAPPABLE ACTIVE REGION SIZE NOT INCLUDING		094F C2 02 0000	
	01471000		3246	*	THIS TASK. STORE VALUE IN TCB@INL1		0953 B8 80 77	
	01471100		3247	*			0956 F2 10 13	
	01471200	08C1 7C 00 24	3248	DT000015	MVI	TCB@INL1(,TCB1),0		
		08C4 7C 00 1D	3249	MVI	TCB@ARR(,TCB1),0			
	01471300	08C7 35 02 0200	3250	L	NU@CPTCB+TCB@CHAIN,TCB2			

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 35 V09/11/81 12/08/81 21:31			#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR
01							
02		005C 1478 SCASYS2	EQU	SCASYS1+1	1	SYSTEM CONFIGURATION BYTE 6	0040
		0080 1479 SCAMATBS	EQU	X'80'		X'80' - COMM TASK BEING ASSIGNED	0020

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 35 V09/11/81 12/08/81 21:31		
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01				
02				

13	RB2	C 001 0002 3122	3170* 3171 3172 3174 3178 3189 3195 3196 3198 3200 3201 3209
			3215 3218 3219 3258* 3259 3349* 3350 3569* 3570 3571 3572 3572*
			3618* 3619 3695* 3699 3712 3721 3723 3723 3724 3726 3729 3775*
14	RCHKPT	C 001 0030 2984	3776 3778
	RCLOSE	C 001 0003 2939	
15	RCMD	C 001 002C 2980	
	RCPERR	C 001 001D 2965	
	RCPRT	C 001 0015 2957	
16	RCPTC	C 001 001F 2967	
	RDALOC	C 001 000D 2949	
	RDMCALL	C 001 0013 2955	
17	REQJ	C 001 0004 2940	
	REXTND	C 001 002E 2982	
	REXTNP	C 001 003B 2995	
18	REXTRA	C 001 0037 2991	
	RFIND	C 001 0001 2937	
	RFINDLIB	C 001 0019 2961	
19	RGLFAC	C 001 003A 2994	
	RGLFR	C 001 0039 2993	
	RIB1	C 001 0001 3103	3777* 3778
20			

13	RSVIX	C 001 0039	
	RSUSDM	C 001 001A	
	RTALLOC	A 004 006A	
14	RTDEALL	A 004 006A	
	RTTC	C 001 001B	
	RUPDAT	C 001 002F	
15	RVTOCFD	C 001 000B	
	RVTORD	C 001 001C	
	RWDAP	C 001 002A	
16	RWDCCP	C 001 002A	
	RWDDA	C 001 002B	
	RWDDB	C 001 0021	
17	RWDDG	C 001 0023	
	RWDDH	C 001 002B	
	RWDDL	C 001 003B	
18	RWDDO	C 001 0025	
	RWDDQ	C 001 0029	
	RWDDT	C 001 003F	
19	RWDDU	C 001 003E	
	RWDHH	C 001 0042	
	RWEGE	C 001 0040	
20			

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BEGI	01471400
L VALUE	01471500
ITS VALUE	01471600
ITS VALUE	01471700
ITS VALUE	01471800
T. LINK a	01471900
D IN SECT. SIZE	01472000
SIZE	01472100
OK	01472200
ZK	01472300
8 SECTORS	01472400
ZK	01472500
ZE REQ'D	01472600
OK	01472700
KE NEW SIZE	01472800
VE IN SIZE	01472900
BEGI VALUE	01473000
S LOG. START a	01473100
	01473200
	01473300
	01473400
	01473500
	01473600
	01473700
CB ?	01473800
	01473900
	01474000
S JOB	01474100
	01474200
	01474300
INATION ?	01474400
	01474500
RMINATION	01474600
	01474700
REG. SIZE	01474800
, OR	01474900
	01475000
	01475100
	01475200
	01475300
NOT >	01475400
ARGER SIZE	01475500
	01480000
INCLUDING	01490000
	01500000
REGION AREA	01510000
TASK'S ACTIVE	01520000
SER TCB	01530000
	01540000

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 72 V09/11/81 12/08/81 21:31	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	08CB 7C 00 27	3251 DT000030 MVI	TCB@INL4(,TCB1),0 SET ADD FACTOR OF 0 01541000
	08CE B8 02 77	3252 TBN	TCBSTAT6(,TCB2),TCBSNARQ SNA USER ? aa093 01542000
	0801 B9 80 77	3253 TBF	TCBSTAT6(,TCB2),TCBATNS AND NOT ATTACHED NS? aa093 01543000
03	0804 F2 90 03	3254 JF	DT000031 NO, IT IS NOT 01544000
	08D7 7C 05 27	3255 MVI	TCB@INL4(,TCB1),SNASIZ SET SNA SIZE 01545000
04	08DA 9D 01 0D 0D	3256 DT000031 CLC	TCBCHAIN(,TCB2),TCBCHAIN(,TCB1) THIS ACTIVE TCB ? 01550000
	08DE F2 01 30	3257 JNE	DT000036 NO, IT IS NOT aa093 01560000
05	08E1 75 02 17	3258 L	TCB@CB(,TCB1),RB2 XR2-> CURRENT RB aa093 01560600
	08E4 B9 02 1E	3259 TBF	RBSLEN+SATFLAG(,RB2),SATNSWAP ATTACHED NON-SWAP ? aa093 01561200
06	08E7 D2 02 00	3260 LA	0(,TCB1),TCB2 XR2-> TCB aa093 01561800
	08EA B9 80 04	3261 TBF	TCBSTAT3(,TCB2),TCBTERM OR IN TERMINATION ? 01562400
	08ED B8 02 77	3262 TBN	TCBSTAT6(,TCB2),TCBSNARQ OR NOT SNA USER ? 01563000
	08F0 7D FF 1C	3263 CLI	TCB@ARR-1(,TCB1),DETACH OR DETACH REQUEST ? 01563600
07	08F3 F2 91 76	3264 JC	DT000085,X'91' YES, BYPASS CHECKS 01564200
	08F6 6E 00 27 26	3265 ALC	TCB@INL4(,TCB1),TCB@INL3(,TCB2) ADD IN REG. SIZE 01564800
08	08FA 4D 00 27 000D	3266 CLC	TCB@INL4(,TCB1),NUMSCA+SCAMS#ZK TASK TOO LARGE ? 01565400
	08FF C0 84 0BBA	3267 BH	DT000245 YES, ERROR 01566000
09	0903 5D 00 27 24	3268 CLC	TCB@INL4(,TCB1),TCB@INL1(,TCB1) NEW MAX ? 01566600
	0907 F2 04 62	3269 JNH	DT000085 NO, IT IS NOT 01567200
10	090A 5C 00 24 27	3270 MVC	TCB@INL1(,TCB1),TCB@INL4(,TCB1) MOVE IN MAX ACTIVE 01567800
	090E F2 87 5B	3271 J	DT000085 CHECK NEXT TCB 01568400
11	0911 4E 00 1D 0E7F	3272 DT000036 ALC	TCB@ARR(,TCB1),DT000001 ADD 1 TO ACTIVE COUNT 01570000
	0916 34 02 0952	3273 ST	DT000060+3,TCB2 STORE TCB ADDRESS aa093 01575000
	091A BD 00 0A	3274 CLI	TCB@PUSH-1(,TCB2),0 ANY ON PUSH QUEUE ? 01580000
12	091D F2 81 33	3275 JE	DT000070 NO, THEN USE TCB@RGSIZ 01590000
	0920 B5 02 0B	3276 L	TCB@PUSH(,TCB2),PSH2 XR2-> PUSH ELEMENT 01610000
13	0923 B9 80 04	3277 DT000040 TBF	PUSHIND(,PSH2),PUSHPART IVALID OR PARTIAL PUSH? 01620000
	0926 B9 80 07	3278 TBF	PUSHCORE(,PSH2),PUSHNONS OR NON-SWAP TASK PUSHED ? 01630000
	0929 F2 90 19	3279 JF	DT000055 YES, NO VALID REGION Saa093 01640000
14	092C 6C 00 25 04	3280 MVC	TCB@INL2(,TCB1),PUSHIND(,PSH2) MOVE IN SIZE 01642000
	0930 BD 00 00	3281 CLI	PUSHOCH-1(,PSH2),0 LAST ON QUEUE ? 01644000
15	0933 F2 01 04	3282 JNE	DT000042 NO, IT IS NOT 01646000
	0936 5E 00 25 27	3283 ALC	TCB@INL2(,TCB1),TCB@INL4(,TCB1) ADD IN FACTOR 01648000
16	093A 5D 00 25 24	3284 DT000042 CLC	TCB@INL2(,TCB1),TCB@INL1(,TCB1) MAX. ACTIVE ? 01650000
	093E F2 04 04	3285 JNH	DT000055 NO, NOT GREATER 01660000
17	0941 5C 00 24 25	3286 MVC	TCB@INL1(,TCB1),TCB@INL2(,TCB1) MAKE NEW MAX ACTIVE 01670000
	0945 BD 00 00	3287 DT000055 CLI	PUSHOCH-1(,PSH2),0 ANY MORE ON QUEUE ? aa093 01680000
18	0948 B5 02 01	3288 L	PUSHOCH(,PSH2),PSH2 POINT TO NEXT 01690000
	0948 C0 01 0923	3289 BNE	DT000040 YES, CHECK NEXT 01700000
	094F C2 02 0000	3290 DT000060 LA	#,TCB2 RELOAD TCB POINTER 01710000
19	0953 B8 80 77	3291 DT000070 TBN	TCBSTAT6(,TCB2),TCBATNS TASK NON-SWAPPABLE ? 01720000
	0956 F2 10 13	3292 JT	DT000085 YES, TASK NON-SWAP. aa093 01730000
20			

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BYTE 6	
NG ASSIGNED	
E CHECK	

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 36 V09/11/81 12/08/81 21:31	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	
02	0040 1532 SCAMCOUT EQU	X'40'	CONSOLE READY TO OUTPUT MESSAGE
	0020 1533 SCAMHELP EQU	X'20'	HELP FEATURE ACTIVE [R3]
	0010 1534 SCAMPDF EQU	X'10'	C. B. USOS ASSIGN CALLIBD [R2]

02	0959 9E 00 2D 27		
	095D 9D 00 2D 24		
03	0961 F2 04 04		
	0964 6C 00 24 2D		
	0968 9F 00 2D 27		
04	096C BD 00 0C		
	096F B5 02 0D		
	0972 C0 01 08CB		
05			
06			
	0976 7D 00 0A		
07			
	097C 75 02 0B		
	097F B8 80 04		
08			
	0982 F2 10 0D		
	0985 6C 00 2D 04		
09			
	0989 B8 80 07		
	098C F2 90 03		
10			
	098F 7A 01 00		
	0992 2C 01 0DA7		
	0997 3C 01 0DAB		
11			
	099B 6C 01 0B 01		
	099F E2 01 00		
12			
	09A2 F4 00 07		
	09A5 0008		
	09A7 01		
13			
	09AB C0 87 0D5D		
14			
	09AC 35 01 0141		
15			
	09B0 C0 87 0976		
16			
	09B4 7C 00 25		
17			
	09B7 5C 00 19 2D		
	09BB 5C 00 1C 18		
	09BF 7C 00 1B		
18			
	09C2 5E 01 19 19		
	09C6 5E 01 19 19		
19			
	09CA 5E 01 19 19		
	09CE 4E 00 25 0E7		
	09D3 4F 01 19 00F		
20			
	09D8 C0 84 09CE		

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 36 V09/11/81 12/08/81 21:31	
ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT	

3209
3572*
3775*

13	RSQPMG C 001 0043 3003 3004
	RSVNR C 001 0022 2970
	RSVTX C 001 0035 2989 3869
	RSUSDH C 001 0018 2960
14	RTALLOC A 004 0E6E 3883 3821* 3866 3872* 3881*
	RTDEALL A 004 00A2 3808 3786*
	RTTC C 001 001E 2966
15	RUPDAT C 001 002F 2983
	RVTOCFD C 001 0008 2947
	RVTORD C 001 0010 2952
16	RUDAF C 001 0024 2972
	RUDCP C 001 002A 2978
	RUDDA C 001 0026 2974
17	RUDDB C 001 0021 2969
	RUDDG C 001 0023 2971
	RUDDH C 001 0028 2976
	RUDDL C 001 0038 2992
18	RUDDO C 001 0025 2973
	RUDDQ C 001 0029 2977
	RUDDT C 001 003F 2999
19	RUDDU C 001 003E 2998
	RUDHH C 001 0042 3002
20	RUEGE C 001 0040 3000

13	SCADCPK C 001 0040
	SCADCP51 C 001 0070
	SCADCP52 C 001 0071
	SCADCP53 C 001 00C3
	SCADCP54 C 001 00C0
14	SCADCP48 C 001 0082
	SCADCPYR C 001 00FF
	SCADCP51 C 001 008C
15	SCADCP2 C 001 008D
	SCADCP3 C 001 008E
	SCADCTUT C 001 0060
16	SCADDATE C 001 005F
	SCADDAY C 001 005F
	SCADMIC C 001 0001
17	SCAD1ST C 001 0051
	SCADHFLK C 001 00A4
	SCAD1CSA C 001 00C6
18	SCADKCFG C 001 0040
	SCADKKA C 001 0008
	SCADKLR C 001 0068
19	SCADLBF1 C 001 004F
	SCADLIN# C 001 0091
20	SCADMATR C 001 00E0

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0	aa093	01541000	
		01542000	
NS?	aa093	01543000	
		01544000	
		01545000	
TCB ?		01550000	
	aa093	01560000	
		01560600	
MAP ?	aa093	01561200	
		01561800	
N ?		01562400	
		01563000	
T ?		01563600	
KS		01564200	
		01564800	
SIZE		01565400	
GE ?		01566000	
		01566600	
		01567200	
ACTIVE		01567800	
		01568400	
COUNT		01570000	
S	aa093	01575000	
E ?		01580000	
RGSI2		01590000	
NT		01610000	
L PUSH?		01620000	
PUSHED ?		01630000	
ION	aa093	01640000	
		01642000	
		01644000	
		01646000	
		01648000	
		01650000	
		01660000	
ACTIVE		01670000	
E ?	aa093	01680000	
		01690000	
		01700000	
R		01710000	
E ?		01720000	
AP.	aa093	01730000	

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 73	V09/11/81	12/08/81	21:31
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
02	0959 9E 00 2D 27	3293	ALC TCBRGSI2(1,TCB2),TCBAINL4(,TCB1) ADD IN FACTOR	aa093 01735000
	095D 9D 00 2D 24	3294	CLC TCBRGSI2(1,TCB2),TCBAINL4(,TCB1) GREATER THAN MAX. ?	01740000
	0961 F2 04 04	3295	JNH DT000080 NO, NOT GREATER	01750000
03	0964 6C 00 24 2D	3296	MVC TCBAINL1(1,TCB1),TCBRGSI2(,TCB2) MOVE IN NEW MAXIMUM	01760000
	0968 9F 00 2D 27	3297	DT000080 SLC TCBRGSI2(1,TCB2),TCBAINL4(,TCB1) DECR. SIZE	aa093 01765000
04	096C BD 00 0C	3298	DT000085 CLI TCBCHAIN-1(,TCB2),0 ANY MORE TCB'S ?	aa093 01770000
	096F B5 02 0D	3299	L TCBCHAIN(,TCB2),TCB2 POINT TO NEXT IN CHAIN	01780000
	0972 C0 01 08CB	3300	BNE DT000030 YES, CHECK NEXT TCB	01790000
		3301 *		01800000
		3302 *	DEALLOCATE ALL PUSH ELEMENTS FOR CURRENT TCB	01810000
		3303 *		01820000
06	0976 7D 00 0A	3304	DT000086 CLI TCBPUSH-1(,TCB1),0 ANY PUSH ELEMENTS ?	aa093 01830000
	0979 F2 81 38	3305	JE DT000088 NO, NONE TO DEQUE	aa093 01840000
07	097C 75 02 0B	3306	L TCBPUSH(,TCB1),PSH2 XR2-> PUSH ELEMENT	01850000
	097F B8 80 04	3307	TBN PUSHIND(,PSH2),PUSHPART INVALID OR PARTIAL PUSH	aa093 01860000
08	0982 F2 10 0D	3308	JT DT000087 YES, INVALID	aa093 01870000
	0985 6C 00 2D 04	3309	MVC TCBRGSI2(1,TCB1),PUSHIND(,PSH2) MOVE IN REGION SIZE	01880000
09	0989 B8 80 07	3310	TBN PUSHCORE(,PSH2),PUSHNONS NON-SWAP TASK PUSHED ?	01890000
	098C F2 90 03	3311	JF DT000087 NO, DON'T MARK NON-SWAP	aa093 01900000
	098F 7A 01 00	3312	SBN TCBSTAT1(,TCB1),TCBNSWAP MARK TASK NON-SWAP	01910000
	0992 2C 01 0DA7 03	3313	DT000087 MVC DTDCSS(2),PUSHOSS(,PSH2) MOVE IN SS VALUE	aa093 01920000
	0997 3C 01 0DA8	3314	MVI DTDCSIZE,1 SET TO DEALLOCATE 1 TRACK	01930000
	0998 6C 01 0B 01	3315	MVC TCBPUSH(2,TCB1),PUSHOCH(,PSH2)	01940000
	099F E2 01 00	3316	LA 0(,PSH2),PSH1 XR1-> PUSH ELEMENT	01950000
		3317 *	FREE LEN-PUSHLEN FREE PUSH ELEMENT	01960000
12	09A2 F4 00 07	3318	SVC SVCFREE,Q0 ISSUE FREE REQUEST	
	09A5 0008	09A6 3319	DC AL2(PUSHLEN) LENGTH OF AREA TO FREE	
	09A7 01	09A7 3320	DC AL1(0+1) FREE FUNCTION BYTE	
13		3321 ***	END OF EXPANSION **	
	09AB C0 87 0D5D	3322	B DTDEALLO NO, DEALLOCATE USING TRACK	01970000
		3323 *	TCB R-TCB1 XR1-> CURRENT TCB	01980000
	09AC 35 01 0141	3324	L 321,TCB1 GET TCB ADDRESS.	
		3325 ***	END OF EXPANSION **	
15	09B0 C0 87 0976	3326	B DT000086 GO CHECK NEXT ELEMENT	aa093 01990000
		3327 *		02000000
		3328 *	CALCULATE OLD SWAP SIZE IN TRACKS	02010000
		3329 *		02020000
	09B4 7C 00 25	3330	DT000088 MVI TCBAINL2(,TCB1),0 SET TO 0 SIZE SWAP	aa093 02030000
17	09B7 5C 00 19 2D	3331	MVC TCBAXR1(1,TCB1),TCBRGSI2(,TCB1) SET = REGION SIZE	aa041 02031000
	09BB 5C 00 1C 18	3332	MVC TCBARR-1(1,TCB1),TCBAXR1-1(,TCB1) SAVE BEGL VALUE	aa093 02032000
	09BF 7C 00 18	3333	MVI TCBAXR1-1(,TCB1),0 ZERO OUT HIGH BYTE	aa041 02033000
18	09C2 5E 01 19 19	3334	ALC TCBAXR1(2,TCB1),TCBAXR1(,TCB1) DOUBLE VALUE	aa041 02034000
	09C6 5E 01 19 19	3335	ALC TCBAXR1(2,TCB1),TCBAXR1(,TCB1) TIMES 4	aa041 02035000
	09CA 5E 01 19 19	3336	ALC TCBAXR1(2,TCB1),TCBAXR1(,TCB1) TIMES 8	aa041 02036000
19	09CE 4E 00 25 0E7F	3337	DT000090 ALC TCBAINL2(1,TCB1),DT000001 ADD IN 1 TRACK	aa041 02040000
	09D3 4F 01 19 00AA	3338	SLC TCBAXR1(2,TCB1),NUASCA*SCADTKS2 DECREMENT BY S/TRK	aa041 02050000
	09D8 C0 84 09CE	3339	BH DT000090 NOPE TRACKS	aa041 02060000

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02	0008 1586 SCAMCNC EQU	Y1081	DISPLAY ADDR COMPARE BUMP MESSAGE

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 37	V09/11/81	12/08/81	21:31
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	

#SVAU TCB CHANGE ORG	PAGE 38	V09/11/81	12/08/81	21:31
ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	

	SCADCPK@ C 001 004D 1449		SCADSNAT C 001 0090 1611
13	SCADCP51 C 001 0070 1520 1530 3550 3551		SCADSNAT7 C 001 0098 1654
	SCADCP52 C 001 0071 1530 1540		SCADSP1@ C 001 000A 1291
	SCADCP53 C 001 00C3 1769 1779		SCADSSQS C 001 0099 1650
	SCADCP54 C 001 00C0 1737 1747		SCADSSCS C 001 002B 1421
14	SCADCPWA C 001 0082 1572 1574		SCADSS10 C 001 002D 1422
	SCADCPYR C 001 00FF 1827 1829		SCADSSJQ C 001 0044 1435
	SCADCSPI C 001 008C 1581 1591		SCADSSMS C 001 0029 1420
15	SCADCS2 C 001 008D 1591 1601		SCADSSPF C 001 00D9 1817
	SCADCS3 C 001 008E 1601 1611		SCADSSPR C 001 0047 1437
	SCADCTUT C 001 0060 1494 1496 1512 3386* 3549		SCADSSVC C 001 0005 1278
16	SCADDATE C 001 005F 1492 1494		SCADTBUF C 001 0097 1646
	SCADDAY C 001 005F 1491 1492		SCADTKS2 C 001 00AA 1708
	SCADDMIC C 001 0001 1273		SCADTLOK C 001 0002 1608
17	SCADFLST C 001 0051 1453 1454 3463		SCADTRS2 C 001 009A 1652
	SCADHFLK C 001 00A4 1681 1684		SCADUCFG C 001 00D6 1795
	SCADICSA C 001 00C6 1791 1793		SCADUDT1 C 001 0005 1796
18	SCADKCFG C 001 0040 1308		SCADUDT2 C 001 00D3 1797
	SCADKKA C 001 00D8 1815 1817		SCADUDT3 C 001 00D1 1798
	SCADKLR C 001 006B 1510 1513 1515		SCADUDT4 C 001 00CF 1799
19	SCADLBF1 C 001 004F 1451 1453 3397		SCADVICE C 001 0055 1458
	SCADLIN# C 001 0091 1613 1640		SCADVBR C 001 00B7 1733
20	SCADMATR C 001 00E0 1829		

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09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 74 09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT					
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
093	01735000		02	3340 *				02	02080000
	01740000			3341 * AT THIS POINT TCB@INL1=MAX SWAPPABLE ACTIVE REGION EXCLUDING MY TASK					02090000
	01750000			3342 * AND TCB@INL2=SWAP AREA SIZE IN TRACKS					02100000
	01760000		03	3343 *				03	09F7 7D 00 5C
093	01765000			09DC 78 80 77	TBN	TCBSTAT6(<,TCB1),TCBATNS			02110000
093	01770000		04	09DF 78 80 77	SBF	TCBSTAT6(<,TCB1),TCBATNS			02120000
093	01780000			09E2 7B 01 00	SBF	TCBSTAT1(<,TCB1),TCBNSWAP			02130000
	01790000			09E5 F2 90 05	JF	DT000100			02140000
	01800000		05	09E8 1E 00 000D 2D	3348	ALC NU@SCA+SC@MS#2K(1),TCBRGS12(<,TCB1) RESET SC@MS#2K			02150000
	01810000			09ED 75 02 17	3349	DT000100 L TCBCRB(<,TCB1),RB2 XR2-> RB @093			02160000
	01820000		06	09F0 BD FF 12	3350	CLI RB\$LEN+\$LDDSS-2(<,RB2),DETACH DETACH TCB REQUEST ?			02170000
	01830000			09F3 CD 01 0B8A	3351	BNE DT000200			02180000
	01840000								02190000
	01850000		07						
	01860000								
	01870000		08						
	01880000								
	01890000		09						
	01900000								
	01910000		10						
	01920000								
	01930000		11						
	01940000								
	01950000		12						
	01960000								
	01970000		13						
	01980000		14						
	01990000		15						
	02000000								
	02010000		16						
	02020000								
	02030000		17						
	02031000								
	02032000		18						
	02033000								
	02034000		19						
	02035000								
	02036000		20						
	02040000								
	02050000								
	02060000								

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09/11/81 12/08/81 21:31		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 38 09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT					
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
093	0095 1640	SCADREQ1 EQU	SCADLIN#1	END OF JOB SH					

13	SCADSP1A C 001 000A 1291 1293
	SCADSSQS C 001 0099 1650 1652
14	SCADSSCS C 001 002B 421 1422
	SCADSSIO C 001 002D 1422 1424
	SCADSSJQ C 001 0044 1435 1437
15	SCADSSMS C 001 0029 1420 1421
	SCADSSPF C 001 0009 1817
	SCADSSPR C 001 0047 1437 1445
16	SCADSSVC C 001 0005 1278 1280
	SCADTBUF C 001 0097 1646 1648
	SCADTKSZ C 001 00AA 1708 1710 3338 3607 3792 3834
17	SCADTLCK C 001 0002 1608
	SCADTRS2 C 001 009A 1652 1654
	SCADUCFG C 001 00D6 1795 1796 1797 1798 1799 1815
18	SCADUDT1 C 001 00D5 1796
	SCADUDT2 C 001 00D3 1797
	SCADUDT3 C 001 00D1 1798
19	SCADUDT4 C 001 00CF 1799
	SCADVICE C 001 0055 1458 1460
20	SCADWDBR C 001 00B7 1733 1735

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 75 V09/11/81 12/08/81 21:31
02	02080000			3353 *		02210000
	02090000			3354 *	FREE UP ALL ASSIGN FREE QUEED AREAS FOR TASK BEING DETACHED	02220000
	02100000			3355 *		02230000
03	02110000	09F7 7D 00 5C		3356	DT000095 CLI TCBASGNQ(,TCB1),0 ANY ON QUEUE ?	02240000
	02120000	09FA F2 81 27		3357	JE DT000105 NO, DONE FREETING	02250000
	02130000					
	02140000					
	02150000					
04	02160000	09FD 75 02 5D		3358	L TCBASGNQ(,TCB1),QUE2 XR2-> ELEMENT	02260000
	02170000	0A00 2C 01 0A1A 03		3359	MVC DTCLENG(2),3(,QUE2) MOVE IN LENGTH OF AREA	02270000
	02180000	0A05 E2 02 04		3360	LA 4(,QUE2),QUE2 BUMP PAST AREA	02280000
	02190000	0A08 34 02 0E7D		3361	ST DTWORK,QUE2 ST POINTER	02290000
	02100000	0A0C 0F 01 0E7D 0A1A		3362	SLC DTWORK(2),DTCLENG DECREMENT BY LENGTH	02300000
	02180000	0A12 35 01 0E7D		3363	L DTWORK,QUE1 XR1-> AREA TO FREE	02310000
	02190000		0A1A	3364	DTCLENG EQU *+4	02320000
				3365 *	FREE QUEUE-YES FREE AREA	02330000
07		0A16 F4 00 07		3366	SVC SVCFREE,Q0 ISSUE FREE REQUEST	
		0A19 0004	0A1A	3367	DC AL2(0+4) LENGTH + 4 OF AREA TO FREE	
		0A1B 81	0A1B	3368	DC AL1(X'80'+1) FREE FUNCTION BYTE	
08				3369 ***	END OF EXPANSION **	
		0A1C 35 01 0141		3370 *	TCB@ R-TCB1 XR1-> CURRENT TCB	02340000
				3371	L 321,TCB1 GET TCB ADDRESS.	
				3372 ***	END OF EXPANSION **	
09		0A20 C0 87 09F7		3373	B DT000095 GO CHECK IF MORE	02350000
10		0A24 75 08 25		3374	DT000105 L TCB@INL2(,TCB1),ARR SAVE VALUES IN ARR @a023	02351000
		0A27 7D F6 6B		3375	CLI TCBTSKID(,TCB1),TCBIDSDP RWS SDLC TASK? @a023	02352000
		0A2A F2 81 21		3376	JE DT000107 YES, DON'T DECR. CNT @a023	02353000
11		0A2D 7D F8 6B		3377	CLI TCBTSKID(,TCB1),TCBIDSNR RWS SNA TASK? @a023	02354000
		0A30 F2 81 1B		3378	JE DT000107 YES, DON'T DECR. CNT @a023	02355000
12		0A33 7D F7 6B		3379	CLI TCBTSKID(,TCB1),TCBIDSN1 SNA TASK? @a052	02356000
		0A36 F2 81 15		3380	JE DT000107 YES, DON'T DECR. CNT @a052	02357000
13		0A39 7D FB 6B		3381	CLI TCBTSKID(,TCB1),TCBIDSDS SECONDARY SDLC TASK? @a052	02358000
		0A3C F2 81 0F		3382	JE DT000107 YES, DON'T DECR. CNT @a052	02359000
14				3383 *		02360000
				3384 *	TURN OFF SYSTEM IN USE LIGHT IF NO TASKS RUNNING	02370000
				3385 *		02380000
15		0A3F 0F 00 0060 0E7F		3386	SLC NUASCA+SCADCTUT(1),DT000001 DECREMENT TASK COUNT	02390000
		0A45 F2 01 06		3387	JNE DT000107 YES, THEN LEAVE ON	02410000
16				3388 *	LITES CS-OFF	02420000
		0A48 F4 00 50		3389	SVC SVCCX'F,Q0	
17		0A4B 09	0A4B	3390	DC XL1'09' TRANSIENT ID	
		0A4C 51	0A4C	3391	DC AL1(0+X'01'+X'50') INDICATOR BYTE	
		0A4D 00	0A4D	3392	DC XL1'0' NOT USED	
18				3393 ***	END OF EXPANSION **	
				3394 *		02430000
				3395 *	SUBTRACT 1 FROM #LIBRARY USE COUNT	02440000
				3396 *		02450000
19		0A4E 35 02 004F		3397	DT000107 L NUASCA+SCADLBF1,F12 XR2-> #LIBRARY F1	02460000
		0A52 8F 00 12 0E7F		3398	SLC F1ADLBUS(1,F12),DT000001 DECREMENT USE COUNT BY 1	02470000
				3399 *		02480000
20						

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01					#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 39 V09/11/81 12/08/81 21:31
02				1694 *	EQU X'01' . RESERVED	IR81
				1695 *		
		00A8 1696	SCADCFG9	EQU	SCADCFG8+1 1 REMOTE CONFIGURATION BYTE	IR31

15	SCAMBSV C 001 0015 1379 1389
	SCAMCCHK C 001 0040 1480
	SCAMCFER C 001 0020 1604
16	SCAMCFGS C 001 0004 1385
	SCAMCLOG C 001 0010 1383
	SCAMCLOK C 001 0002 1475
17	SCAMCMDE C 001 0001 1367
	SCAMCNAT C 001 0080 1357
	SCAMCOUT C 001 0040 1532
18	SCAMCPAF C 001 0010 1534
	SCAMCPL C 001 0080 1521 3551
	SCAMCRAN C 001 0008 1347
19	SCAMCRT C 001 0010 1466
	SCAMDATE C 001 0008 1483
	SCAMDOCK C 001 0040 1771
20	

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15	SCAMKQS C 001 0004 1526
	SCAMKEYS C 001 0080 1531
	SCAMKKEF C 001 0080 1818
	SCAMKMSG C 001 0002 1366
16	SCAMLATF C 001 0068 1774
	SCAMLCAF C 001 0002 1376
	SCAMLGER C 001 0080 1592
17	SCAMLIN1 C 001 0080 1625
	SCAMLIN2 C 001 0040 1626
	SCAMLIN3 C 001 0020 1627
18	SCAMLIN4 C 001 0010 1628
	SCAMLSMF C 001 0020 1752
	SCAMLOTR C 001 0020 1548
19	SCAMLOTX C 001 0040 1547
	SCAMLITR C 001 0001 1400
20	SCAMLITX C 001 0010 1396

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 76 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
01			
02		3400 *	FREE USER MAIN STORAGE AND ASSOCIATED SWAP AREA ON DISK 02490000
		3401 *	02500000
03	0A57 F4 00 13	3402 *	FREEL FREE ALL OF USER STORAGE 02510000
		3403	SVC SVCFREEP,QO FREE MAIN STORAGE
		3404 ***	END OF EXPANSION **
04	0A5A 74 08 25	3405	ST TCB@INL2(C,TCB1),ARR STORE VALUES BACK IN TCB 02520000
	0A5D 1C 00 00E 24	3406	MVC NUASCA+SCAMXARG(1),TCB@INL1(C,TCB1) MA: ACTIVE SWAPP 02530000
	0A62 1C 01 0DA7 29	3407	MVC DTDCSS(2),TCBTSSN-1(C,TCB1) MOVE IN SS OF SWAP 02540000
	0A67 1C 00 0DA8 25	3408	MVC DTDCSIZE(1),TCB@INL2(C,TCB1) MOVE IN SWAP TRACK SIZE 02550000
05	0A6C C0 87 0D5D	3409	B DTDEALLO GO DEALLOCATE SWAP STORAGE 02560000
		3410 *	TCB@ R-TCB2 XR2-> CURRENT TCB 02570000
06	0A70 35 02 0141	3411	L 321,TCB2 GET TCB ADDRESS.
		3412 ***	END OF EXPANSION **
	0A74 BD 00 14	3413	CLI TCB@JCB@-1(C,TCB2),0 ANY ASSOC. JCB ? 02580000
	0A77 B5 01 15	3414	L TCB@JCB@C,TCB2),JCB1 POINT TO JCB 02590000
07	0A7A 78 80 63	3415	TBN JCBDSCH4C,JCB1),JCBMMLK POST CP THAT JCB FREE? 02600000
	0A7D F2 91 0C	3416	JC DT000108,X'91' NO. BYPASS POST aal145 02610000
08	0A80 7B 80 63	3417	SBF JCBDSCH4C,JCB1),JCBMMLK FREE JCB FOR RELEASE 02620000
		3418 *	02630000
09		3419 *	POST CP THAT THE JCB IS NOW NOT BEING USED, SO THAT RELEASE 02640000
		3420 *	CAN BE CONTINUED. 02650000
		3421 *	02660000
10	0A83 C2 01 0250	3422	LA NUACPTCB+TCBTTC-1,XR1 POINT TO CP'S TTC 02670000
		3423 *	POST DEV-QHDITC,PREMPT-NO POST THE COMMAND PROC. 02680000
11	0A87 F4 00 03	3424	SVC SVCPOST,QO
	0A8A 48	0A8A 3425	DC AL1(QHDITC)
	0A8B 80	0A8B 3426	DC AL1(PREMPT+0+0)
		3427 ***	END OF EXPANSION **
12	0A8C BD F9 68	3428	DT000108 CLI TCBSKID(C,TCB2),TCBIDBLD FILE REBUILD ? aal145 02680900
	0A8F F2 81 06	3429	JE DT000109 YES, POST COMMAND PROC aal145 02681800
13	0A92 BD F2 68	3430	CLI TCBSKID(C,TCB2),TCBIDJQ BATCH JOB Q ? aal145 02682700
	0A95 F2 01 0D	3431	JNE DT00A107 NO, IT IS NOT aal145 02683600
14		3432 *	aal145 02684500
		3433 *	POST THE COMMAND PROCESSOR TO RESTART BATCH JOB Q aal145 02685400
		3434 *	aal145 02686300
15	0A98 3A 02 0012	3435	DT000109 SBN NUASCA+SCADCFG1,SCAMJQFM1 INDICATE BATCHQ RESTART aal145 02687200
	0A9C C2 01 0250	3436	LA NUACPTCB+TCBTTC-1,XR1 POINT TO ECP FOR JOBQ aal145 02688100
		3437 *	POST DEV-QHDITC,PREMPT-NO POST COMMAND PROCESSOR aal145 02689000
16	0AA0 F4 00 03	3438	SVC SVCPOST,QO
	0AA3 48	0AA3 3439	DC AL1(QHDITC)
	0AA4 80	0AA4 3440	DC AL1(PREMPT+0+0)
		3441 ***	END OF EXPANSION **
17	0AA5 BD 00 12	3442	DT00A107 CLI TCBRTUB-1(C,TCB2),0 ANY REQUESTING TUB? 02690000
	0AA8 F2 81 0C	3443	JE DT00B107 NO, THEN CHECK OTHER aao23 02700000
18	0AAB BD 00 14	3444	CLI TCB@JCB@-1(C,TCB2),0 ANY JCB ASSOC. ? aao23 02702000
	0AAE B5 01 15	3445	L TCB@JCB@C,TCB2),JCB1 XR1-> JCB aao23 02704000
19	0AB1 78 08 00	3446	TBN JCB@INIT(C,JCB1),JCB@MMLK THIS A MPT PROC.? aao23 02706000
	0AB4 F2 91 6E	3447	JC DT000120,X'91' NO, BYPASS FREES aao23 02708000
20			

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#SVAU TCB CHANGE ORG OR DETACH TR		PAGE 40 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT
01			
02	0AB7 B0 00 14		3448
	0ABA F2 81 5B		3449
03			3450
			3451
04			3452
	0ABD B5 01 15		3453
	0ABE 7D 00 11		3454
05	0AC3 F2 81 3A		3455
			3456
06	0AC6 75 01 12		3458
	0AC9 75 01 0E		3459
	0ACC 4F 00 12 0E7F		3460
07	0AD1 F2 84 10		3461
08	0AD4 C2 02 0050		3463
			3464
	0AD8 F4 00 0E		3465
09	0ADB 00	0ADB	3466
	0ADC 1E	0ADC	3467
	0ADD 20	0ADD	3468
10			3469
			3470
	0ADE F4 00 07		3471
11	0AE1 0020	0AE2	3472
	0AE3 01	0AE3	3473
			3474
12			3475
			3477
13	0AE4 35 02 0141		3478
			3479
	0AE8 B5 02 15		3480
14	0AEB B5 01 12		3481
	0AEE 9C 01 12 0C		3482
			3483
15	0AF2 F4 00 07		3485
	0AF5 0010	0AF6	3486
16	0AF7 01	0AF7	3487
			3488
			3489
17	0AF8 7 02 0141		3490
			3491
	0AFC C0 87 0ABD		3492
18			3493
			3494
19			3495
			3496
	0B0C 7D 00 30		3497
20			

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 40 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT
01			
02		1748 *	
	00C1 1749	SCADXM11 EQU SCADXM1D-1	EXAM IDS 1-7 1R61
03		1750 *	EQU X'80' . RESERVED
	0040 1751	SCAMSPRK EQU X'40' . 01 - DISK DM (SPARK)	
	0020 1752	SCAMLSMF EQU X'20' . 02 - NLCA SMF	
04		1753 *	EQU X'10' . 03 - RESERVED
	1754 *	EQU X'08' . 04 - RESERVED	

#SVAU TCB CHANGE ORG OR DETACH TR		PAGE 40 V09/11/81 12/08/81 21:31	
ERR LOC	OBJECT CODE	ADDR	STMT
01			
02			
03			
04			

	SCAMIPL C 001 0010 1472		SCAMRUS C 001 0080 0008
	SCAMIPLA C 001 0080 1499		SCAMRUSP C 001 0040 0040
13	SCAMIPLC C 001 0040 1470		SCAMRUSV C 001 0008 0008
	SCAMIPUP C 001 0010 1482		SCAMS#2K C 001 0000 0000
	SCAMJOBQ C 001 0020 1359		SCAMSACT C 001 0010 0010
14	SCAMJQFM C 001 0002 1351 3435		SCAMSEC C 001 0002 0002
	SCAMJQHD C 001 0004 1349		SCAMSF C 001 0008 0008
	SCAMJQS C 001 0004 1526		SCAMSFLG C 001 0006 0006
15	SCAMKEYS C 001 0080 1531		SCAMSJE C 001 0020 0020
	SCAMKKKF C 001 0080 1818		SCAMSMF C 001 0020 0020
	SCAMKMSG C 001 0002 1366		SCAMSMFC C 001 0020 0020
16	SCAMLATF C 001 0008 1774		SCAMSMFM C 001 0040 0040
	SCAMLCAF C 001 0002 1376		SCAMNA C 001 0010 0010
	SCAMLGER C 001 0080 1592		SCAMS.B C 001 0001 0001
17	SCAMLIN1 C 001 0080 1625		SCAMSPGP C 001 0020 0020
	SCAMLIN2 C 001 0040 1626		SCAMSPOL C 001 0010 0010
	SCAMLIN3 C 001 0020 1627		SCAMSPRK C 001 0040 0040
18	SCAMLIN4 C 001 0010 1628		SCAMSRJE C 001 0020 0020
	SCAMLSMF C 001 0020 1752		SCAMST C 001 0008 0008
	SCAMLOTR C 001 0020 1548		SCAMSUBS C 001 0004 0004
19	SCAMLOTX C 001 0040 1547		SCAMSWAP C 001 0004 0004
	SCAML1TR C 001 0001 1400		SCAMS32K C 001 0010 0010
20	SCAMLITX C 001 0010 1396		

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PAGE	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	
				ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT					ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	
	02490000			02 OAB7 BD 00 14 3448 DT00B107 CLI TCBJCB@-1(,TCB2),0 ANY JCB ASSOC. ? @a023 02710000					02 0B03 F2 81 0C	
	02500000			OABA F2 81 5B 3449 JE DT000115 YES, BYPASS JCB FREE @a145 02720000					0B06 75 01 31	
R STORAGE	02510000			03 3450 * @a145 02720200					03 0B09 F4 00 07	
				3451 * ARE THERE ANY FSB'S OR AN F1 ASSOCIATED WITH THE TASK? IF SO, @a145 02720400					0B0C 0010	
CK IN TCB	02520000			04 3452 * FREE THEM. OTHER WISE, CHECK NEXT FOR THE JCB EXTENSION. @a145 02720600					0B0E 01	
E SWAPP	02530000			04 3453 * @a145 02720800					0B0F B5 01 15	
WAP	02540000			04 OABD B5 01 15 3454 DT002000 L TCBJCB@,(TCB2),JCB1 HAVE XR1->JCB AGAIN @a145 02721000					0B12 F4 00 07	
ACK SIZE	02550000			05 OACO 7D 00 11 3455 CLI JCBDFSB(,JCB1),ZERO IS THERE AN FSB? @a145 02721200					0B15 0070	
WAP STORAGE	02560000			05 OAC3 F2 81 3A 3456 JE DT002020 IF NOT,GO CHECK FOR JCB EXTEN. @a145 02721400					0B17 01	
				06 OAC6 75 01 12 3458 L JCBDFSB(,JCB1),JCB1 XR1->FSB TO GET F1 ADDRESS @a145 02721800						0B18 2C 01 00A7 5F
				06 OAC9 75 01 0E 3459 L FSBDF1PT(,JCB1),JCB1 POINT XR1 TO THE F1 @a145 02722000						0B1D 3C 01 00A8
	02580000			07 OACC 4F 00 12 0E7F 3460 SLC FIADLBUS(1,JCB1),DT000001 SUBTRACT FROM USER COUNT @a145 02722200						0B21 C0 87 0050
	02590000			07 OAD1 F2 84 10 3461 JP DT002010 USE COUNT=0,DON'T FREE+DEQUE F1 @a145 02722400						
B FREE?	02600000			08 OAD4 C2 02 0050 3463 LA SCADF1ST-1,XR2 XR2->QUEUE HEADER @a145 02722800						
	@a145 02610000			3464 * DEQUE DSPL-F1ADFCHN-1 DEQUE THE F1 @a145 02723000						
LEASE	02620000			09 OAD8 F4 00 0E 3465 SVC SVCQUEUE,QO SVC FOR USER DEQUEUE FUNCTION						
	02630000			09 OADB 00 00 OADB 3466 DC XL1'0' QUEUE HEADER DISPLACEMENT IS ZERO						
LEASE	02640000			09 OADC 1E OADC 3467 DC AL1(F1ADFCHN-1) DISPLACEMENT TO QUEUEING FIELD						
	02650000			09 OADD 20 OADD 3468 DC AL1(DEQUEUE) USER DEQUEUE FUNCTION						
	02660000			10 3469 *** END OF EXPANSION **						
TC	02670000			10 3470 * FREE LEN-F1ALLGLB FREE THE F1 @a145 02723200						
D PROC.	02680000			11 OADE F4 00 07 3471 SVC SVCFREE,QO ISSUE FREE REQUEST						
				11 OAE1 0020 OAE2 3472 DC AL2(F1ALLGLB) LENGTH OF AREA TO FREE						
				11 OAE3 01 OAE3 3473 DC AL1(0+1) FREE FUNCTION BYTE						
				12 3474 *** END OF EXPANSION **						
	@a145 02680900			12 3475 * @a145 02723400						
ND PROC@a145	02681800			13 3477 *T002010 TCB@ R-TCB2 GET THE CURRENT TCB ADDRESS @a145 02723800						
	@a145 02682700			13 OAE4 35 02 0141 3478 DT002010 L 321,TCB2 GET TCB ADDRESS.						
	@a145 02683600			3479 *** END OF EXPANSION **						
	@a145 02684500			14 OAE8 B5 02 15 3480 L TCBJCB@,(TCB2),JCB2 HAVE XR2 POINT TO THE JCB @a145 02724000						
	@a145 02685400			14 OAEB B5 01 12 3481 L JCBDFSB(,JCB2),JCB1 HAVE XR1 POINT TO FSB @a145 02724200						
	@a145 02686300			14 OAE E 9C 01 12 0C 3482 MVC JCBDFSB(2,JCB2),FSBDFCHN(,JCB1) @a145 02724400						
RESTART@a145	02687200			15 3483 * SET UP TO CHECK THE NEXT FSB BEFORE THE FREE. @a145 02724600						
R JOBQ @a145	02688100			15 3484 * FREE LEN-FSBLLNTH @a145 02724800						
CESSOR@a145	02689000			16 OAF2 F4 00 07 3485 SVC SVCFREE,QO ISSUE FREE REQUEST						
				16 OAF5 0010 OAF6 3486 DC AL2(FSBLLNTH) LENGTH OF AREA TO FREE						
				16 OAF7 01 OAF7 3487 DC AL1(0+1) FREE FUNCTION BYTE						
				16 3488 *** END OF EXPANSION **						
				17 3489 * TCB@ R-TCB2 XR2->CURRENT TCB LOOP BACK @a145 02725000						
TUB?	02690000			17 OAF8 3: 02 0141 3490 L 321,TCB2 GET TCB ADDRESS.						
OTHER @a023	02700000			17 3491 *** END OF EXPANSION **						
				18 OAF C 00 87 0ABD 3492 B DT002000 CONTINUE LOOKING FOR FSB'S @a145 02725200						
				18 3493 * @a145 02725400						
	@a023 02702000			19 3494 * IS THERE AN EXTENSION TO THE JCB? IF SO, FREE IT. OTHERWISE, @a145 02725600						
	@a023 02704000			19 3495 * FALL THROUGH TO FREE THE JCB. @a145 02725800						
	@a023 02706000			19 3496 * @a145 02726000						
S	@a023 02708000			20 0B00 7D 00 30 3497 DT002020 CLI JCBDEXA-1(,JCB1),ZERO IS THERE AN EXTENSION? @a145 02726200						
				20						

H02

PAGE	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE	V09/11/81	12/08/81	21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT
				ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT					ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
				02 3497 * WITHIN THE INDIVIDUAL CONFIGURATION					

14	SCAMS#2K C 001 0000 1299	1301 3236 3348* 3609 3711*	
	SCAMISACT C 001 0010 1345		
	SCAMISEC C 001 0002 1527		
	SCAMISFLG C 001 0008 1384		
15	SCAMISIZE C 001 0006 1280	1288	
	SCAMISJE C 001 0020 1523		
	SCAMISMF C 001 0020 1382		
16	SCAMISMFC C 001 0020 1784		
	SCAMISMFM C 001 0040 1381		
	SCAMISNA C 001 0010 1373		
17	SCAMIS, B C 001 J001 1354		
	SCAMISPGP C 001 0020 1344		
	SCAMISPOL C 001 0010 1360		
18	SCAMISPRK C 001 0040 1751		
	SCAMISRJE C 001 0020 1371		
	SCAMISST C 001 0008 1525		
19	SCAMISUBS C 001 0004 1787		
	SCAMISWAP C 001 0004 1703		
	SCAMIS32K C 001 0010 1286		
20			

J03

09/11/81	12/08/81	21:31
02710000		
02720000		
02720200		
02720400		
02720600		
02720800		
02721000		
02721200		
02721400		
02721800		
02722000		
02722200		
02722400		
02722800		
02723000		
02723200		
02723400		
02723800		
02724000		
02724200		
02724400		
02724600		
02724800		
02725000		
02725200		
02725400		
02725600		
02725800		
02726000		
02726200		

#SVALU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 78 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0B03 F2 81 0C	3498	JE DT000110 IF NOT,JUST FREE JCB @a145 02726400
03	0B06 75 01 31	3499 3500 * 3501 *	L JCBDEXTa(C, JCB1), JCB1 ELSE, XR1->JCB EXTENSION@a145 02726600 NOW FREE THE JCB EXTENSION @a145 02726800 FREE LEN-JCBDELNG FREE THE JCB EXTENSION@a145 02727000
04	0B09 F4 00 07 0B0C 0010 0B0E 01	3502 0B0D 3503 0B0E 3504	SVC SVCFREE,QO ISSUE FREE REQUEST DC AL2(JCBDELNG) LENGTH OF AREA TO FREE DC AL1(O+1) FREE FUNCTION BYTE
05		3505 3506 * 3507 * 3508 *	*** END OF EXPANSION ** FREE JCB AND TCBUSWA IF NO ASSOCIATED TUB AND JCB ADDRESS NON-ZERO 02730000 02740000 02750000
06	0B0F B5 01 15	3509 3510	L TCBJCBa(C, TCB2), JCB1 XR1-> JCB *T000110 FREE LEN-JCBLLNTH FREE JCB @a145 02760000 02770000
07	0B12 F4 00 07 0B15 0070 0B17 01	0B12 3511 3512 0B16 3513 0B17 3514	DT000110 EQU * SVC SVCFREE,QO ISSUE FREE REQUEST DC AL2(JCBLLNTH) LENGTH OF AREA TO FREE DC AL1(O+1) FREE FUNCTION BYTE
08		3515 3516 *	*** END OF EXPANSION ** 02860000
09		3517 * 3518 *	FREE UP THE USWA ASSIGNED TO THE TASK 02870000 02880000
10	0B18 2C 01 0DA7 55 0B1D 3C 01 0DA8 0B21 C0 87 0D5D	3519 3520 3521	DT000115 MVC DTDCSS(2),TCBUSWA(C,TCB2) MOVE IN USWA POINTER @a145 02890000 MVI DTDCSIZE,1 SET TO DEALLOCATE 1 TRACK 02900000 B DTDEALLO GO DEALLOCATE THE USWA 02910000
11		3522 * 3523 * 3524 *	DEQUEUE THE TCB FROM ALL SYSTEM QUEUES IN SYSTEM 02920000 02930000 02940000
12	0B25 35 01 0141	3525 3526 3527	*T000120 TCBa R-TCB1 GET TCB ADDRESS IN XR1 02950000 DT000120 L 321,TCB1 GET TCB ADDRESS. *** END OF EXPANSION **
13	0B29 F4 00 0E 0B2C 46	3528 * 3529 0B2C 3530	DEQUE DEV-QHDTCBQ, DSP-L-TCBUSWAPQ-1 02960000 SVC SVCQUEUE,QO SVC FOR SYSTEM DEQUEUE FUNCTION DC AL1(QHDTCBQ) DISPLACEMENT TO DESIRED QUEUE HEADER
14	0B2D 0E 0B2E 60	0B2D 3531 0B2E 3532	DC AL1(TCBUSWAPQ-1) DISPLACEMENT TO QUEUEING FIELD DC AL1(SYS+DEQUEUE) SYSTEM DEQUEUE FUNCTION
15	0B2F 7C E0 05 0B32 7C E0 05	3533 *** END OF EXPANSION ** 3534 3535 3536 *	MVI TCBPRIOR(C,TCB1),TCBPRUDH CHANGE TO USER HIGH PRIOR 02970000 MVI TCBPRIOR(C,TCB1),TCBPRUDH CHANGE TO USER HIGH PRIOR 02980000 DEQUE DSP-L-TCBPRIQ-1,DEV-QHDPRIQ 02990000
16	0B35 F4 00 0E 0B38 44 0B39 6C	3537 0B38 3538 0B39 3539	SVC SVCQUEUE,QO SVC FOR SYSTEM DEQUEUE FUNCTION DC AL1(QHDPRIQ) DISPLACEMENT TO DESIRED QUEUE HEADER DC AL1(TCBPRIQ-1) DISPLACEMENT TO QUEUEING FIELD
17	0B3A 60	0B3A 3540	DC AL1(SYS+DEQUEUE) SYSTEM DEQUEUE FUNCTION
18	0B3B C2 02 020C	3541 *** END OF EXPANSION ** 3542 3543 *	LA NUaCTCB+TCBCHAIN-1, XR2 POINT TO CP TCB 03000000 DEQUE DSP-L-TCBCHAIN-1 03010000
19	0B3F F4 00 0E 0B42 00 0B43 0C 0B44 20	3544 0B42 3545 0B43 3546 0B44 3547	SVC SVCQUEUE,QO SVC FOR USER DEQUEUE FUNCTION DC XL1'0' QUEUE HEADER DISPLACEMENT IS ZERO DC AL1(TCBCHAIN-1) DISPLACEMENT TO QUEUEING FIELD DC AL1(DEQUEUE) USER DEQUEUE FUNCTION
20	0B45 3D 00 0060	3548 *** END OF EXPANSION ** 3549	CLT NUaSCA+SCADCTUT,0 ANY TASK'S ACTIVE 03020000

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#SVALU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 42 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		1837 * 1838 * 1839 * 1840 *	SVEQU 00760000 SVC R-BYTE EQUATES
03			

#SVALU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 78 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02	0B49 38 40 0070 0B40 39 80 0070 0B51 F2 96 00		02726400 02726600 02726800 02727000
03			
04			
05	0B54 C2 01 0250 0B58 F4 00 03 0B58 48 0B5C 80		02730000 02740000 02750000 02760000 02770000
06			
07	0B5D 35 01 0141		
08			
09	0B61 75 02 17 0B64 E2 01 00 0B67 8D 00 00 0B6A B5 02 01		02860000 02870000 02880000 02890000 02900000 02910000
10	0B6D F4 00 07 0B70 0030 0B72 01		02920000 02930000 02940000 02950000
11			
12	0B73 C0 01 0B64		
13			
14	0B77 35 01 0141		
15	0B78 F4 00 07 0B7E 0030 0B80 01		02960000 02970000 02980000 02990000
16	0B81 F4 01 0E 0B84 0080 0B86 C0 87 0000		03000000 03010000
17			
18			
19			
20			

#SVALU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 42 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02			
03			

13	SCAM195M C 001 00E1 1331
14	SCAM2FM C 001 0020 1503
	SCAM2MFM C 001 0040 1502
	SCAM256K C 001 0080 1281
15	SCAM26GM C 001 00D1 1332
	SCAM27MG C 001 0081 1319
	SCAM62PC C 001 0040 1327
16	SCAM65MG C 001 0001 1328
	SCA0VER C 001 0020 1471
	SCARDFMT C 001 0067 1498 1510
	SCARDVOL C 001 0066 1496 1498
17	SCASDISK C 001 000F 1303 1334
	SCASHIST C 001 0031 1426 1427
	SCASHMSG C 001 0038 1431 1432
18	SCASIOSS C 001 0025 1417 1418
	SCASMSG1 C 001 0038 1430 1431
	SCASMSG2 C 001 0041 1433 1435
19	SCASPARK C 001 0040 1557
	SCASSTWA C 001 001A 1408 1409
20	SCASTOPS C 001 0080 1770

14	SVCLDATR C 001 000C 1853
	SVCLLOAD C 001 0052 1903
	SVCL0G C 001 001A 1867
15	SVCMOVE1 C 001 002A 1884
	SVCCOP C 001 00F4 1929
	SVCPMR C 001 000D 1854
16	SVCP0ST C 001 0003 1844
	SVCP0STA C 001 0019 1866
	SVCP0ST1 C 001 0028 1885
17	SVCP0SVC C 001 000B 1852
	SVCP0SVC C 001 004C 1899
	SVCPREP C 001 0026 1880
	SVCPRTQ C 001 0024 1878
18	SVCPPT C 001 0042 1895
	SVCSOS C 001 0020 1873
19	SVCSOSCAN C 001 0018 1868
	SVCSQUEUE C 001 000E 1855
	SVCSQUALIT C 001 002C 1886
20	SVCSRDEQ C 001 0021 1875

J04

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00145	02726400
00145	02726600
00145	02726800
00145	02727000
	02730000
	02740000
	02750000
	02760000
00145	02770000
	02860000
	02870000
	02880000
00145	02890000
ACK	02900000
	02910000
	02920000
	02930000
	02940000
	02950000
	02960000
	02970000
	02980000
	02990000
	03000000
	03010000
	03020000

		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 79 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02	CB49 38 40 0070	3550	TBN NUBSCA+SCADCP51,SCAMALL	AND NOT STOP SYSTEM ?	03030000
	OB40 39 80 0070	3551	TBF NUBSCA+SCADCP51,SCAMCPL	AND MSG NOT ALREADY SENT?	03040000
	OB51 F2 96 0D	3552	JC DT000130.X'96'	YES TO ONE OF ABOVE	03050000
03			3553 *		03060000
			3554 * POST THE COMMAND PROCESSOR FOR STOP SYSTEM REQUESTED BUT STOP		03070000
			3555 * MESSAGE HAS NOT BEEN SENT		03080000
			3556 *		03090000
04			OB54 C2 01 0250	LA NUBCPTCB+TCBTTC-1,XR1	XR1-> CP'S TTC
			3558 *	POST DEV-QHDTTC,PREMPT-NO	POST THE COMMAND PROC.
05			OB58 F4 00 03	SVC SVCPOST,QO	
			OB5B 48	DC AL1(QHDTTC)	
06			OB5C 80	DC AL1(PREMPT+0+0)	
			3562 *** END OF EXPANSION **		
			3563 * TCBA R-TCB1	XR1-> CURRENT TCB	03120000
07			OB5D 35 01 0141	L 321,TCB1	GET TCB ADDRESS.
			3565 *** END OF EXPANSION **		
			3566 *		03130000
08			3567 * FREE UP ALL RB'S ASSOCIATED WITH TASK		03140000
			3568 *		03150000
09			OB61 75 02 17	3569 DT000130 L TCBCRB(C,TCB1),RB2	XR2-> RB
			OB64 E2 01 00	3570 DT000140 LA O(C,RB2),RB1	XR1-> RB TO FREE
			OB67 BD 00 00	3571 CLI RB\$CHAIN-1(C,RB2),0	ANY MORE IN CHAIN ?
10			OB6A B5 02 01	3572 L RB\$CHAIN(C,RB2),RB2	XR2-> NEXT RB
			OB6D F4 00 07	3573 * FREE LEN-RB\$TLEN	FREE THE RB
			OB70 0030	3574 SVC SVCFREE,QO	ISSUE FREE REQUEST
			OB72 01	0B71 3575 DC AL2(RB\$TLEN)	LENGTH OF AREA TO FREE
				0B72 3576 DC AL1(O+1)	FREE FUNCTION BYTE
			3577 *** END OF EXPANSION **		
11			OB73 C0 01 0B64	3578 BNE DT000140	YES, FREE NEXT
12				3579 *	03220000
			3580 * FREE UP THE TASK'S TCB		03230000
			3581 *		03240000
			3582 *T000150 TCBA R-TCB1	XR1-> CURRENT TCB	03250000
13			OB77 35 01 0141	3583 DT000150 L 321,TCB1	GET TCB ADDRESS.
				3584 *** END OF EXPANSION **	
				3585 * FREE LEN-TCBLEN	03260000
14			OB7B F4 00 07	3586 SVC SVCFREE,QO	ISSUE FREE REQUEST
			OB7E 0080	0B7F 3587 DC AL2(TCBLEN)	LENGTH OF AREA TO FREE
			OB80 01	0B80 3588 DC AL1(O+1)	FREE FUNCTION BYTE
			3589 *** END OF EXPANSION **		
15			OB81 F4 01 0D	3590 SVC SVCPMR,QAUIT	ENABLE DISPATCHING AND EXIT
			OB84 0080	0B85 3591 DC AL2(DSABL)	MASK FOR ENABLE
			OB86 C0 87 0000	3592 B 0	PROC CHECK IF EVER GET HERE
16					03270000
					03280000
					03290000
17					
18					
19					
20					

		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 79 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02					
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00760000	

		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 43 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02			1892 * DELAYED SVC R-BYTE EQUATES		
			0040 1893 SVCFD EQU X'40'	DISK IOS	
			0041 1894 SVCTO EQU X'41'	DISKETTE IOCS	

		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 43 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT		
02					
03					

14	SVCBTR C 001 005C 1905			
	SVCLOAD C 001 0052 1903	3744		
	SVCLOG C 001 001A 1867	3947		
	SVCMOVEI C 001 002A 1884			
15	SVCOP C 001 00F4 1929			
	SVCPMR C 001 0000 1854	3164	3590	
	SVCPOST C 001 0003 1844	3424	3438	3559
16	SVCPOSTA C 001 0019 1866			
	SVCPOSTI C 001 002B 1885			
	SVCPPSVC C 001 000B 1852			
17	SVCQSV C 001 004C 1899			
	SVCPREP C 001 0026 1880			
	SVCPRIQ C 001 0024 1878			
18	SVCPT C 001 0042 1895			
	SVCQS C 001 0020 1873			
	SVCQSCAN C 001 001B 1868			
19	SVCQUEUE C 001 000E 1855	3465	3529	3537 3544
	SVCQUIT C 001 002C 1886			
	SVCRDEQ C 001 0021 1875			
20				

14	TCB@INL2 C 001 0025
	TCB@INL3 C 001 0026
15	TCB@INL4 C 001 0027
	TCB@PSMR C 001 0021
	TCB@QHDR C 001 002F
16	TCB@RQ C 001 0023
	TCB@RSE C 001 0018
17	TCB@XR1 C 001 0019
	TCB@XR2 C 001 001B
18	TCB@BTRM C 001 0010
	TCB@EEO C 001 0002
19	TCB@FAIL C 001 005F
	TCB@RDCT C 001 0076
20	TCB@SGNQ C 001 005D

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PAGE 79	V09/11/81	12/08/81	21:31
SYSTEM ?	03030000		
READY SENT?	03040000		
BOVE	03050000		
	03060000		
STOP	03070000		
	03080000		
	03090000		
D PROC.	03100000		
	03110000		
CB	03120000		
	03130000		
	03140000		
	03150000		
	03160000		
	03170000		
	03180000		
	03190000		
	03200000		
	03210000		
	03220000		
	03230000		
	03240000		
CB	03250000		
	03260000		
ING AND EXIT	03270000		
	03280000		
EVER GET HERE	03290000		

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 80		V09/11/81		12/08/81		21:31	
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT				
02			3594 *					03310000	
			3595 *	CONTINUE	SETTING UP FOR CHANGED ORG POINT AND FETCH			03320000	
			3596 *					03330000	
03			3597 *					03860000	
			3598 *	CALCULATE	THE SIZE OF SWAP AREA ON DISK REQUIRED			03870000	
			3599 *					03880000	
04	OB8A 7C 00 27	3600	DT000200	MVI	TCB@INL4(C,TCB1),0	SET TO 0 SIZE SWAP	aa041	03881000	
	OB8D 5C 00 1F 26	3601		MVC	TCB@IAR(1,TCB1),TCB@INL3(C,TCB1)	SET = REGION SIZE	aa041	03882000	
	OB91 7C 00 1E	3602		MVI	TCB@IAR-1(C,TCB1),0	ZERO OUT HIGH BYTE	aa041	03883000	
05	OB94 5E 01 1F 1F	3603		ALC	TCB@IAR(2,TCB1),TCB@IAR(C,TCB1)	DOUBLE VALUE	aa041	03884000	
	OB98 5E 01 1F 1F	3604		ALC	TCB@IAR(2,TCB1),TCB@IAR(C,TCB1)	TIMES 4	aa041	03885000	
	OB9C 5E 01 1F 1F	3605		ALC	TCB@IAR(2,TCB1),TCB@IAR(C,TCB1)	TIMES 8	aa041	03886000	
06	OB9D 4E 00 27 0E7F	3606	DT000240	ALC	TCB@INL4(1,TCB1),DT000001	ADD IN 1 TRACK	aa041	03887000	
	OBAA 4F 01 1F 00AA	3607		SLC	TCB@IAR(2,TCB1),NURSCA+SCAUTKS2	DECREMENT BY S/TRK	aa041	03888000	
	OBAA C0 84 0BA0	3608		BH	DT000240	MORE TRACKS	aa041	03889000	
07								03940000	
	OBAA 4C 00 19 000D	3609		MVC	TCB@XR1(1,TCB1),NURSCA+SCAMS*2K	MOVE IN STORAGE SIZE		03940000	
	OB83 5D 00 26 19	3610		CLC	TCB@INL3(1,TCB1),TCB@XR1(C,TCB1)	MAIN STORAGE AVAIL.?		03950000	
08								03960000	
	OB87 F2 04 05	3611		JNH	DT000250	YES, IT IS AVAIL.		03960000	
								03970000	
								03980000	
09								03990000	
								04000000	
								04010000	
10	OBBA C0 87 0D34	3616	DT000245	B	DTERROR	GO TO ERROR ROUTINE		04010000	
								04020000	
11	OB8E 01	OB8E 3617		DC	ALL(\$ATERRO1)	ERROR VALUE		04030000	
	OB8F 75 02 17	3618	DT000250	L	TCB@RBC(C,TCB1),RB2	XR2-> RB		04040000	
	OB8C B8 02 1E	3619		TBN	RB\$LEN+\$ATFLAG(C,RB2),\$ATNSWAP	PROG. TO BE NON-SWAP?		04050000	
	OB85 F2 90 27	3620		JF	DT000260	NO, BRANCH		04060000	
12								04060000	
	OB8C 5F 00 19 26	3621		SLC	TCB@XR1(1,TCB1),TCB@INL3(C,TCB1)	DECR. SIZE		04070000	
	OB8C 5D 00 19 24	3622		CLC	TCB@XR1(1,TCB1),TCB@INL3(C,TCB1)	WILL IT PUT TO SLEEP?		04080000	
13								04080000	
	OB8D F2 02 05	3624		JNL	DT000255	NO, IT WILL NOT		04090000	
								04100000	
								04110000	
								04120000	
15								04130000	
								04140000	
	OB8D 3C 87 0D34	3629		B	DTERROR	ERROR,		04150000	
16								04160000	
	OB87 03	OB87 3630		DC	ALL(\$ATERRO3)	IF WILL PUT TASK TO SLEEP		04170000	
	OB8B 7D 00 1D	3631	DT000255	CLI	TCB@ARR(C,TCB1),0	THIS ONLY ACTIVE TASK		04180000	
	OB8B F2 01 06	3632		JNE	DT000257	NO, ENSURE 14K THEN		04190000	
17								04180000	
	OB8E 7D 05 19	3633		CLI	TCB@XR1(C,TCB1),J	10K SWAPPABLE LEFT ?		04190000	
	OB81 F2 02 08	3634		JNL	DT000260	YES, 10K LEFT		04200000	
18								04200000	
	OB84 7D 07 19	3635	DT000257	CLI	TCB@XR1(C,TCB1),7	14K SWAPPABLE LEFT ?		04210000	
	OB87 F2 02 05	3636		JNL	DT000260	YES, 14K LEFT		04220000	
19								04220000	
	OB8A C0 87 0D34	3637		B	DTERROR	GO TO ERROR ROUTINE		04230000	
20									

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 44		V09/11/81		12/08/81		21:31	
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT				
02			1933 *	TCB				00780000	
			1934 *	*****					
			1935 *	T C B					

#SVAU TCB CHANGE	
ERR LOC OBJECT CODE	

14	TCB@INL2 C 001 0025 2110	2111 3280* 3283* 3284 3286 3337* 3374 3405* 3408 3645 3651							
15	TCB@INL3 C 001 0026 2111	2112 3211* 3212* 3215 3218 3219* 3241 3243* 3265 3601 3610 3621							
		3675* 3717 3719 3755							
		3667 3694* 3743							
15	TCB@INL4 C 001 0027 2112	3208* 3209* 3210 3251* 3255* 3265* 3266 3268 3270 3283 3293 3297							
		3600* 3606* 3645 3657							
16	TCB@PSNR C 001 0021 2107	2108							
	TCB@QHDR C 001 002F 2126								
	TCB@RQ C 001 0023 2108	2109							
17	TCB@RSE C 001 0018 2102	3148 3864 3873							
	TCB@XR1 C 001 0019 2103	2104 3196* 3207* 3210* 3213* 3220* 3331* 3332 3333* 3334 3334* 3335							
		3335* 3336 3336* 3338* 3609* 3610 3621* 3622 3633 3635 3711							
18	TCB@XR2 C 001 001B 2104	2105 3197 3197* 3200* 3201* 3202 3202* 3203 3203* 3204 3204* 3205							
		3205* 3206 3206* 3207 3220 3221* 3748							
	TCB@BTRM C 001 0010 2191								
	TCB@EDED C 001 0002 2206								
19	TCB@FAIL C 001 005F 2138								
	TCB@RQCT C 001 0076 2218	2219							
	TCB@SGNQ C 001 005D 2136	2137 3356 3358							
20									

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PAGE 80 V09/11/81 12/08/81 21:31		#SWAU TCB CHANGE OR DETACH TRANSIENT	PAGE 81 V09/11/81 12/08/81 21:31					#SWAU TCB CHANGE OR	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
03310000	OBEE 02	OBEE 3638	DC AL1(\$ATERRG2)	TASK WILL NOT LEAVE 14K	04230000	04230000			
03320000		3639 *			04240000	04240000			
03330000		3640 *	IF A LARGER SWAP AREA IS NEEDED THAN THE ONE ALLOCATED, DEALLOCATE		04250000	04250000			
03860000		3641 *	OLD SWAP AREA AND ALLOCATE NEW, ELSE IF IN TERMINATION AND THE		04260000	04260000			
03870000		3642 *	OLD SWAP AREA IS LARGER THAN THE ONE REQUIRED TO RUN, DEALLOCATE		04270000	04270000			
03880000		3643 *	OLD AND ALLOCATE NEW OF SMALLER SIZE		04280000	04280000			
SWAP @a041		3644 *			04290000	04290000			
N SIZE @a041		3645	DT000260 CLC TCB@INL4(1,TCB1),TCB@INL2(,TCB1)	COMPARE SWAP SIZES	04300000	04300000			
BYTE @a041		0BEF 5D 00 27 25		SIZES ARE EQUAL	04310000	04310000			
@a041		0BF3 F2 81 46	3646	JE DT000290	04340000	04340000			
@a041			3647 *		04350000	04350000			
@a041			3648 *	DEALLOCATE OLD SWAP AREA OF SIZE TCB@INL2, AND ALLOCATE NEW	04360000	04360000			
@a041			3649 *	OF SIZE TCB@INL4	04370000	04370000			
Y S/TRK @a041			3650 *		04380000	04380000			
AGE SIZE @a041		0BF6 1C 00 ODA8 25	3651	DT000270 MVC DTDCSS(1,TCB@INL2(,TCB1)	MOVE IN OLD SWAP SIZE	04390000	04390000		
E AVAIL.? @a041		0BF8 1C 01 ODA7 29	3652	MVC DTDCSS(2,TCB@INL2(,TCB1)	MOVE IN OLD SWAP SS	04400000	04400000		
IL @a041		OC00 CO 87 OD5D	3653	B DTDEALLO	GO DEALLOCATE OLD SWAP	04410000	04410000		
			3654 *	TCB@ R-TCB1	XRI-> CURRENT TCB	04420000	04420000		
			3655	L 321,TCB1	GET TCB ADDRESS.	04430000	04430000		
			3656 ***	END OF EXPANSION **		04440000	04440000		
			3657	MVC DTDCSS(1,TCB@INL4(,TCB1)	MOVE IN NEW SIZE	04450000	04450000		
			3658	B ALLOC	GO ALLOCATE NEW	04460000	04460000		
			3659	J DT000280	JUMP SUCCESSFUL	04470000	04470000		
			3660 *		04480000	04480000			
			3661 *	ALLOCATION OF SWAP AREA WAS UNSUCCESSFUL, THEREFORE ALLOCATE	04490000	04490000			
			3662 *	OLD SWAP AREA BACK, AND RETURN ERROR CODE TO CALLER	04500000	04500000			
			3663 *		04510000	04510000			
			3664 *	TCB@ R-TCB1	XRI-> TCB	04520000	04520000		
			3665	L 321,TCB1	GET TCB ADDRESS.	04530000	04530000		
			3666 ***	END OF EXPANSION **	04540000	04540000			
			3667	MVC DTDCSS(1,TCB@INL2(,TCB1)	XRI-> TCB	04550000	04550000		
			3668	B ALLOC	GO ALLOCATE OLD BACK	04560000	04560000		
			3669 *	TCB@ R-TCB1	XRI-> TCB	04570000	04570000		
			3670	L 321,TCB1	GET TCB ADDRESS.	04580000	04580000		
			3671 ***	END OF EXPANSION **	04590000	04590000			
			3672	MVC TCBTSSN-1(2,TCB1),ALSS	MOVE IN ALLCATED SS	04600000	04600000		
			3673	B DTERROR	GO RETURN ERROR	04610000	04610000		
			3674	DC AL1(\$ATERR06)	ERROR CODE	04620000	04620000		
			3675	MVC TCB@INL3(1,TCB1),TCB@INL2(,TCB1)	RESET REGION SIZE	04630000	04630000		
			3676 *DT000280	TCB@ R-TCB1	XRI-> TCB	04640000	04640000		
			3677	DT000280 L 321,TCB1	GET TCB ADDRESS.	04650000	04650000		
			3678 ***	END OF EXPANSION **	04660000	04660000			
			3679	MVC TCBTSSN-1(2,TCB1),ALSS	MOVE IN ALLCATED SS	04670000	04670000		
			3680 *		04680000	04680000			
			3681 *	FREE ALL OF STORAGE EXCEPT FIRST 2K BLOCK	04690000	04690000			
			3682 *		04700000	04700000			
			3683	DT000290 ALC TCB@EGL(1,TCB1),DT000001	ADD 1 TO BEGL VALUE	04710000	04710000		
			3684	SLC TCBTSSN(1,TCB1),DT000008	DECREMENT N BY 8	04720000	04720000		
			3685	JE DT000300	ONLY 2K ASSIGNED	04730000	04730000		

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PAGE 44 V09/11/81 12/08/81 21:31		#SWAU TCB CHANGE OR DETACH TRANSIENT	PAGE 45 V09/11/81 12/08/81 21:31					#SWAU TCB CHANGE OR	
ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
00780000		1986	*VVVVVVVVVVV THE FOLLOWING FIELDS ARE ORDER DEPENDENT VVVVVVVVVVVV						
*		0000	1987 TCBSTAT1 EQU 0	TCB STATUS BYTE 1					
*		0080	1989 TCB@WAIT EQU X'80'	TASK IS NOT ON READY QUEUE					
*		0040	1990 TCB@SWAPD EQU X'40'	TASK IS SWAPPED TO DISK.					

13	TCBEXIT C 001 00F 2157	2158	2159	
14	TCBEXTRA C 001 0020 2041			
	TCBFCORDC C 001 0020 1991			
	TCBFSWAP C 001 0004 1995			
	TCBFWAIT C 001 0002 2023			
15	TCBGMWIT C 001 0020 2003	2010		
	TCBHDMP C 001 0002 2195			
	TCBICXWT C 001 0004 2033			
16	TCBIDACT C 001 00E4 2155			
	TCBIDBEL C 001 00E2 2165			
	TCBIDBLD C 001 00F9 2177	3428		
	TCBIDBSC C 001 00F5 2172			
17	TCBIDBTS C 001 00E6 2157			
	TCBIDCCP C 001 00EB 2162			
	TCBIDCIC C 001 00EC 2163			
18	TCBIDCP C 001 00F0 2167			
	TCBIDGA C 001 00FE 2181			
	TCBIDGCE C 001 00E8 2159			
19	TCBIDIBS C 001 00FD 2179			
	TCBIDIMS C 001 00ED 2164			
20	TCBIDINT C 001 00EF 2166			

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*SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 82 V09/11/81 12/08/81 21:31

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	04230000		3686 *	FREEP FREE ALL BUT FIRST 2K
	04240000	0C49 F4 00 13	3687	SVC SVCFREE?,QO FREE MAIN STORAGE
	04250000		3688 ***	END OF EXPANSION **
	04260000		3689 *	
	04270000		3690 *	SAVE ATR VALUE OF FIRST ASSIGNED PAGE
	04280000		3691 *	
	04290000	0C4C 1C 00 0C57 2B	3692	DT000310 MVC DT000310+3(1),TCBBEGL(,TCB1) MOVE IN OLD BEGL VALUE
	04300000	0C51 D2 02 2F	3693	LA TCBATRS-32(,TCB1),ATR2 XR2-> ATRS
	04310000	0C54 6C 00 25 00	3694	DT000310 MVC TCBAINL2(1,TCB1),*(,ATR2) SAVE ATR VALUE
	04340000	0C58 75 02 17	3695	L TCBCRB(,TCB1),RB2 XR1-. RB
	04350000	0C5B 5C 00 2B 1C	3696	MVC TCBBEGL(1,TCB1),TCBAARR-1(,TCB1) MOVE 'N NEW BEGL
	04360000	0C5F 7C FF 4F	3697	MVI TCBATRS(,TCB1),X'FF' FOX OUT ATRS
	04370000	0C62 5C 1E 4E 4F	3698	MVC TCBATRS-1(31,TCB1),TCBATRS(,TCB1)
	04380000	0C66 B8 40 1E	3699	TBN RB\$LEN+\$ATFLAG(,RB2),\$ATREAL MAP TO REAL ?
	04390000	0C69 7D 00 2B	3700	CLI TCBBEGL(,TCB1),0 BEGL VALUE OF 0 ?
	04400000	0C6C F2 91 22	3701	JC DT000340,X'91' NO, DO NOT MAP
	04410000		3702 *	
			3703 *	MAP LOGICAL EQUAL REAL TO THE LINK EDIT ADDRESS
			3704 *	
	04420000	0C6F 1C 00 0C90 2B	3705	MVC DT000330+4(1),TCBBEGL(,TCB1) MOVE IN OFFSET TO LAST+1
	04430000	0C74 0F 00 0C90 0E7F	3706	SLC DT000330+4(1),DT000001 MAKE OFFSET TO LAST
		0C7A 0C 00 0C9E 0C90	3707	MVC DT000330+2(1),DT000330+4 MOVE OFFSET TO INSTRUCTION
	04440000	0C80 0C 00 0C8D 0C90	3708	MVC DT000330+1(1),DT000330+4 MOVE IN LENGTH
		0C86 0E 02 0C90 0E7B	3709	ALC DT000330+4(3),DTMAP ADJUST OFFSET AND ADDRESS
		0C8C 4C 00 00 0200	3710	DT000330 MVC *(,TCB1),NUSCA+NUSCPTCB+# MOVE FIRST ATR VALUES
	04450000	0C91 1C 00 000D 19	3711	DT000340 MVC NUSCA+SCAM\$*2(1),TCBA\$XRI(,TCB1) MOVE IN NEW VALUE
	04460000	0C96 B8 02 1E	3712	TBN RB\$LEN+\$ATFLAG(,RB2),\$ATNSWAP TASK TO NON-SWAPPABLE ?
	04470000	0C99 F2 90 09	3713	JF DT000345 NO, CHECK IF MAX ACTIVE
	04480000	0C9C 7A 01 00	3714	SBN TCBSTAT1(,TCB1),TCBNSWAP SET TO NON-SWAPPABLE aa254
	04490000	0C9F 7A 80 77	3715	SBN TCBSTAT6(,XR1),TCBATNS MARK ATTACHED NON-SWAP
		0CAZ F2 87 0B	3716	J DT000350 CONTINUE CHANGE ORG POINT
	04500000	0CA5 5D 00 26 24	3717	DT000345 CLC TCBAINL3(1,TCB1),TCBAINL1(,TCB1) NEW MAX ACTIVE REGION ?
	04510000	0CA9 F2 04 04	3718	JNH DT000350 NO, IT IS NOT
	04520000	0CAC 5C 00 24 26	3719	MVC TCBAINL1(1,TCB1),TCBAINL3(,TCB1) MAKE NEW MAX ACTIVE
	04530000	0CB0 1C 00 000E 24	3720	DT000350 MVC NUSCA+SCAM\$*XRG(1),TCBAINL1(,TCB1) MAKE NEW MAX ACTIVE
	04540000	0CB5 B8 40 27	3721	TBN RB\$LEN+\$ATFLAG(,RB2),\$ATCOMMON PROGRAM SUPPORT COMMON ?
		0CB8 F2 90 04	3722	JF DT000355 NO, BYPASS SCA UPDATE
	04550000	0CCB AC 01 17 1D	3723	MVC RB\$LEN+\$LDL LNK(2, RB2),RB\$LEN+\$ATLOAD(,RB2) SET LINK=L0D
	04555000	0CBF 2C 0B 0F08 1D	3724	DT000355 MVC ATLDPRM+\$ATLOAD(\$LDLLEN),RB\$LEN+\$ATLOAD(,RB2) FETCH PRM
	04560000	0CC4 3C 0E 0E0D	3725	MVI ATPMRSET+2,OP1+OP2+PRV+IARX SET TASK TO PRIVILEGED
		0CC8 B8 04 1E	3726	TBN RB\$LEN+\$ATFLAG(,RB2),\$ATPRIV IS TASK TO BE PRIVILEGED?
		0CCB F2 10 04	3727	JT DT000360 YES, LEAVE PMR AS IS
	04570000	0CCE 3C 0F 0E0D	3728	MVI ATPMRSET+2,OP1+OP2+NPRV+IARX SET TASK TO BE NON-PRIV.
	04580000	0CD2 6C 00 2D 1F	3729	DT000360 MVC TCBRGS1Z(1,TCB1),RB\$LEN+\$ATMSS1Z(,RB2) SET REGION SIZE
	04590000	0CD6 7D 05 2D	3730	CLI TCBRGS1Z(,TCB1),5 CORE SIZE > 10K? aa093
	04600000	0CD9 F2 04 0C	3731	JNH DT000365 NOT GREATER THAN 10K aa093
	04610000			
	04620000			
	04630000	0CDC 7D 00 14	3732	CLI TCBJCB@-1(,TCB1),0 ANY JCB ASSOC.? aa093

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*SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 46 V09/11/81 12/08/81 21:31

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02		0040 2040	TCBCHKPT EQU	X'40' . THIS TASK IS BEING CHECKPOINTED
		0020 2041	TCBEXTRA EQU	X'20' . EXTENDED TRACE ACTIVE
		0010 2042	TCBCALL EQU	X'10' . CLOSE HAS BEEN CALLED INDICATOR

01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02				000F
				000F
				0010

13	TCBLCK5I C 001 0010 2145	TCBLDTSK C 001 005A 2133 2134 2135	TCBLDREL C 001 0057 2131 2132 2133
14	TCBLEN C 001 0080 2262 3587	TCBLINJT C 001 0040 2029	TCBLONGW C 001 0010 1992
15	TCBMABTM C 001 0010 2203	TCBMAXID C 001 00E0 2182	TCBMIC C 001 0057 2132
16	TCBMRTMX C 001 0072 2212 2213	TCBMSAFIL C 001 0008 2204	TCBMSIIZ C 001 002C 2120 2121 3738*
17	TCBMSTAB C 001 0004 2205	TCBNDUMP C 001 0008 2225	TCBNOIO C 001 0002 1996
18	TCBNRDY C 001 00BE 2010	TCBNSCNT C 001 0073 2213 2214	TCBNSWAP C 001 0001 1997 3312 3346 3714
19	TCBPRBCH C 001 00C0 2081	TCBPRBEL C 001 00F0 2069	TCBPRBLD C 001 00F0 2062
20	TCBPRBSC C 001 00F4 2054		

13	TCBPUSH C 001 0008 2092	TCBQCNT C 001 0007 2088	TCBQWAT C 001 0008 2018
14	TCBRDQ C 001 000F 2094	TCBRGSIZ C 001 002D 2121	TCBRSE C 001 0027 2113
15	TCBRTUB C 001 0013 2097	TCBRWAIT C 001 0004 2022	TCBSDTAC C 001 0002 2241
16	TCBSDTSO C 001 0040 2238	TCBSFILK C 001 0010 2224	TCBSHDRC C 001 0080 2188
17	TCBSIAR C 001 0059 2134	TCBSMFDN C 001 0080 2252	TCBSMFPT C 001 007C 2248
18	TCBSOP C 001 0008 1993	TCBSNARQ C 001 0002 2227	TCBSPLRS C 001 0040 2260
19	TCBSPLSP C 001 0010 2240	TCBSPDOL C 001 002F 2124	TCBSPUNK C 001 0080 2237
20	TCBSPUTR C 001 0080 2259		

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01	04640000
02	04650000
03	04660000
04	04670000
05	04680000
06	04690000
07	04700000
08	04710000
09	04720000
10	04730000
11	04740000
12	04750000
13	04760000
14	04770000
15	04780000
16	04790000
17	04800000
18	04810000
19	04820000
20	04830000
21	04840000
22	04850000
23	04860000
24	04870000
25	04880000
26	04890000
27	04900000
28	04910000
29	04920000
30	04930000
31	04940000
32	04950000
33	04960000
34	04970000
35	04980000
36	04990000
37	05000000
38	05010000
39	05020000
40	05030000
41	05040000
42	05050000
43	05060000
44	05061000
45	05062000
46	05063000

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 83 V09/11/81 12/08/81 21:31
ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
01	04640000	00CF F2 81 06 3733 JE DT000365 NO JCB ASSOC. aao93 05064000
02	04650000	0CE2 75 02 15 3734 L TCBJCB@(<TCB1>,<JCB2> XR2-> JCB aao93 05065000
03	04660000	0CE5 8B 10 63 3735 SBF JCBDSCH4(<JCB2>,<JCBMINTK> SET FOR MAXI TERM. aao93 05066000
04	04670000	0CE8 1C 00 0CF8 2B 3736 DT000365 MVC DT000370*2(<1>,<TCBBEGL>,<TCB1> MOVE IN TCBBEGL VALUE aao93 05070000
05	04680000	0CED 7C 08 2A 3737 MVI TCBTSSN(<TCB1>,<8> SET SWAP SIZE TO 8 05080000
06	04690000	0CF0 7C 01 2C 3738 MVI TCBMSSIZ(<TCB1>,<1> SET MAIN STORAGE SIZE 05090000
07	04700000	0CF3 D2 02 30 3739 LA TCBATRS-31(<TCB1>,<ATR2> POINT TO ATR STACK 05100000
08	04710000	3740 *
09	04720000	3741 * RESTORE SAVED ATR VALUE IN THE TASK'S NEW TCBBEGL SLOT 05120000
10	04730000	3742 *
11	04740000	0CF6 9C 00 00 25 3743 DT000370 MVC #(<1>,<ATR2>,<TCB@INL2>,<TCB1> RESTORE ATR VALUE 05140000
12	04750000	0CFA F4 00 0C 3744 SVC SVCLDATR,<QO> LOAD NEW ATR VALUE 05150000
13	04760000	0CFD 78 80 04 3745 TBN TCBSTAT3(<TCB1>,<TCBTERM> TASK IN TERMINATION ? 05160000
14	04770000	0D00 F2 10 03 3746 JT DT000380 YES, BYPASS ALLOWING ATTACH 05170000
15	04780000	0D03 7A 40 6E 3747 SBN TCBSTAT4(<TCB1>,<TCBATTCB> ALLOW ACCEPT WITH 0 INVITES 05180000
16	04790000	0D06 75 02 1B 3748 DT000380 L TCB@XR2(<TCB1>,<CD2> XR2-> FIRST PAGE ASSIGN. 05190000
17	04800000	3749 * DSABL CANCEL-Y,<TCB>-TCB1 DISALLOW CANCEL 05195000
18	04810000	0D09 4E 00 74 0093 3750 ALC TCBNCNT(<1>,<TCB1>,<NUGSCA>+<SCADCON1> INCREMENT CANCEL COUNT
19	04820000	3751 *** END OF EXPANSION **
20	04830000	0D0E 34 02 0EAD 3752 ST ATOCODE+4,<CD2> STORE POINTER TO TASK'S 05200000
21	04840000	3753 * LOGICAL PARTITION START 05210000
22	04850000	0D12 34 01 0EB2 3754 ST ATTCB,<TCB1> STORE POINTER TO TASK'S TCB 05220000
23	04860000	0D16 1C 00 0EB7 26 3755 MVC ATRGSAV(<1>,<TCB@INL3>,<TCB1> SET REGION SIZE 05230000
24	04870000	0D1B 75 01 17 3756 L TCBCRB(<TCB1>,<RB1> XR1-> RB 05240000
25	04880000	0D1E 74 02 09 3757 ST RB\$IARC,<RB1>,<CD2> STORE NEW IAR VALUE 05250000
26	04890000	0D21 74 02 03 3758 ST RB\$XR1(<RB1>,<CD2> STORE NEW XR1 VALUE 05260000
27	04900000	0D24 4C 01 0B 0EA6 3759 MVC RB\$PSR2,<RB1>,<ATPMRL> SET UP PMR/PSR 05270000
28	04910000	0D29 F6 00 82 3760 LPMR OP1+PRV+DSABL SET TRANSLATION TO ON 05280000
29	04920000	0D2C 8C 5F 5F 0F08 3761 MVC ATOCDLN-1(<ATOCDLN>,<CD2>,<ATOEND-1> MOVE CODE TO STORAGE 05290000
30	04930000	3762 * EXIT 05300000
31	04940000	0D31 F4 00 11 3763 SVC SVCEXIT,<QO>
32	04950000	3764 *** END OF EXPANSION **
33	04960000	
34	04970000	
35	04980000	
36	04990000	
37	05000000	
38	05010000	
39	05020000	
40	05030000	
41	05040000	
42	05050000	
43	05060000	
44	05061000	
45	05062000	
46	05063000	

01	0D34 34 08 0E7D
02	0D38 35 01 0141
03	0D3C 78 80 04
04	0D3F F2 90 0A
05	0D42 0E 01 0E7D 0E7F
06	0D48 35 10 0E7D
07	0D4C 75 02 17
08	0D4F BC 00 02
09	0D52 35 01 0E7D
10	0D56 9C 00 03 00
11	0D5A F4 00 11
12	
13	
14	
15	
16	
17	
18	
19	
20	

H03

01	000F 2094
02	TCBRDQ EQU TCBCHAIN+2 SYSTEM READY QUEUE CHAINING FIELD

#SVAU TCB CHANGE OR DETACH TRANSIENT		PAGE 47 V09/11/81 12/08/81 21:31
ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
01	000F 2094	TCBRDQ EQU TCBCHAIN+2 SYSTEM READY QUEUE CHAINING FIELD
02	0000	

01	
02	

12	TCBWAIT C 001 0004 2006 2010	TUBSNGLD C 001 00E2 2533
12	TCBUDMPR C 001 0080 2231	TUBSN02 C 001 0040 2376
12	TCBWAF LG C 001 007A 2244 2248	TUBSNRMD C 001 0005 2497
12	TCBWAIT C 001 0080 1989	TUBSOUPT C 001 0027 2402
13	TCBWAITD C 001 0080 2001 2010	TUBSPNAV C 001 00E0 2387
13	TCBWIOSP C 001 0001 2242	TUBSPOFF C 001 0007 2500
13	TCBWMASK C 001 0002 2012 2026	TUBSPOLL C 001 00C1 2389
13	TCBWMASK C 001 0003 2026 2037	TUBSPRMA C 001 00E1 2532
14	TCBWSILK C 001 0004 2226	TUBSPUPM C 001 0080 2810
14	TCBWSWA C 001 0055 2130 2131 3519	TUBSPWI C 001 00A7 2401
15	TCBWAIT C 001 0010 2017	TUBSRACT C 001 0000 2371
15	TCBX C 001 007D 2255 2257	TUBSRDIN C 001 0042 2406
15	TCBXNTQ C 001 0011 2096 2097	TUBSRDMD C 001 0022 2408
15	TCBXWAIT C 001 0040 2002	TUBSRDSD C 001 0062 2405
16	TCB1 C 001 0001 3113	TUBSRDUK C 001 0006 2499
17	3187* 3189 3190 3196 3197 3200 3201 3202 3202 3203 3203	TUBSREAL C 001 0040 2353
17	3204 3204 3205 3205 3206 3206 3207 3207 3208 3209 3210 3210	TUBSRSTR C 001 0007 2407
17	3211 3212 3213 3215 3218 3219 3220 3220 3221 3227 3233 3234	TUBSSAVE C 001 0002 2403
17	3241 3243 3248 3249 3251 3255 3256 3258 3260 3263 3265 3266	TUBSSAVS C 001 0006 2404
17	3268 3268 3270 3270 3272 3280 3283 3283 3284 3284 3286 3286	TUBSSKIP C 001 0080 2352
18	3293 3294 3296 3297 3304 3306 3309 3312 3315 3324* 3330 3331	TUBSTANZ C 001 00E0 2531
18	3331 3332 3332 3333 3334 3334 3335 3335 3336 3336 3337 3338	TUBSUERP C 001 0080 2375
18	3344 3345 3346 3348 3349 3356 3358 3371* 3374 3375 3377 3379	TUBSVH C 001 0010 2378
19	3381 3405 3406 3407 3408 3526* 3534 3535 3564* 3569 3583* 3600	TUBABTRM C 001 0001 2653
19	3601 3601 3602 3603 3603 3604 3604 3605 3605 3606 3607 3609	TUBACN C 001 0040 2592
19	3610 3610 3618 3621 3621 3622 3622 3631 3633 3635 3645 3645	
20	3651 3652 3655* 3657 3665* 3667 3670* 3672 3675 3675 3677* 3679	

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09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TRANSIENT	PAGE 85 V09/11/81 12/08/81 21:31	#SVAU TCB CHANGE ORG OR DETACH TR	
01	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT		ERR LOC OBJECT CODE ADDR STMT	
02	05320000 05330000 05340000	OD5D 3783 DTDEALLO EQU * 05450000	02	0DAE 3818
		OD68 3784 USING AT000010,BAS2 USE AS A BASE AREA 05460000		0DA8 3819
03	05350000 05360000	0D5D C2 02 0D68 3785 LA AT000010,BAS2 LOAD BASE REGISTER 05470000	03	0DAE C2 01 0DA8 3820
		0D61 B4 08 3D 3786 ST RTDEALL+3C,BAS2),ARR STORE CALLER'S ARR 05480000		0DB5 C2 02 02A2 3822
		0D64 C2 01 02A2 3787 LA NUBTWARX,F51 POINT TO ALLOC. BIT MASK 05483000	04	0DB9 6C 04 05 05 3823
		0D68 9C 04 45 05 3788 AT000010 MVC DTSVELM(TWARX-TWARXMAP,BAS2),TWARX-TWARXMAP,F51) MAP 05486000		0DBD 5C 01 CC 04 3824
		0D6C BC 01 2C 3789 AT000020 MVI AT000050+1C,BAS2),X'01' INIT. MASK TO X'01' 05510000		0DC1 5F 00 05 38 3825
		0D6F AD 01 44 3F 3790 AT000030 CLC ATALLCOM(2,BAS2),DTDCSS(C,BAS2) UP TO AREA TO FREE ? 05520000	05	0DC5 5C 00 2A 05 3826
		0D73 F2 81 1D 3791 JE AT000050 YES, GO DEALLOCATE TRACK 05530000		0DC9 5C 00 4A 05 3827
		0D76 8E 01 44 00AA 3792 ALC ATALLCOM(2,BAS2),NUBSCA+SCADTKS ADD SECTORS/TRACK aao41 05540000		0DDC 5C 00 75 05 3828
		0D7B AE 00 2C 2C 3793 AT000040 ALC AT000050+1C1,BAS2),AT000050+1C,BAS2) DOUBLE Q-CODE 05550000	06	0DD1 6C 00 FA 00 3829
		0D7F E0 20 07 3794 BNOL AT000030C,BAS2) NOT OVERFLOW 05560000		0DD5 74 02 4C 3830
		0D82 36 01 0E78 3795 A ALMONE,F51 POINT TO NEXT BYTE 05570000		0DD8 74 02 77 3831
		0D86 AF 00 45 05 3796 SLC DTSVMBYT(1,BAS2),AT000020+1C,BAS2) DEC. # BYTES 05575000	07	0DDB 5C 00 CA 00 3832
		0D8A E0 84 04 3797 BH AT000020C,BAS2) CHECK NEXT BYTE 05580000		0DDF 7C 01 40 3833
		0D8D B5 01 42 3798 L DTSVCHAN(C,BAS2),F51 XRI-> NEXT BIT MASK AREA 05583000		0DE2 4E 01 CC 00AA 3834
		0D90 E0 87 00 3799 B AT000010C,BAS2) GO CHECK NEXT AREA 05586000	08	0DE7 B8 00 00 3835
		0D93 7A 00 00 3800 AT000050 SBN 0C,F51),# FREE UP TRACK 05590000		0DEA F2 10 10 3836
		0D96 AF 00 40 05 3801 SLC DTDCSIZE(1,BAS2),AT000020+1C,BAS2) DONE FREEING ? 05600000	09	0DED 5C 01 04 CC 3837
		0D9A E0 84 13 3802 BH AT000040C,BAS2) NOT DONE, FREE NEXT 05610000		0DF1 1C 00 0000 FA 3838
		3803 * GPOST MASK-TCBWAIT POST ALLOCATE WAITORS 05620000		0DF6 5C 00 CA 00 3839
		0D9D F4 00 01 3804 SVC SVCGPOST,0	10	0DFA F2 87 0E 3840
		0DA0 40 0DA0 3805 DC AL1(TCBWAIT)		0DFD 5C 00 5A 40 3841
		0DA1 00 0DA1 3806 DC AL1(O)	11	0E01 BB 00 00 3842
		3807 *** END OF EXPANSION **		0E04 5F 00 CA 38 3843
		0DA2 C0 87 0000 3808 RTDEALL B # RETURN TO CALLER 05630000	12	0E08 F2 04 63 3844
		0DA6 0DA7 3809 DTDCSS DS CL2 SS HOLD AREA 05640000		0E0B 5E 00 40 40 3845
		0DA8 0DA8 3810 DTDCSIZE DS CL1 SIZE HOLD AREA 05650000		0E0F D0 20 3A 3846
		0DA9 0DA9 3811 DTSVELM DS CL5 SAVED ELEMENT 05652000	13	0E12 76 02 D0 3847
		0DAA 0DAA 3812 DTSVCHAN EQU DTSVELM-3 FORWARD CHAIN 05654000		0E15 5F 00 05 38 3848
		0DAC 0DAC 3813 DTSVSSL EQU DTSVCHAN+2 START SS VALUE 05656000	14	0E19 D0 02 37 3849
		0DAD 0DAD 3814 DTSVMBYT EQU DTSVSSL+1 NUMBER BYTES INDEX 05658000		0E1C 1C 00 0000 FA 3850
		0DAE 0DAE 3815 ATALLCOM EQU DTSVSSL START OF SWAP/TWA POOL 05660000	15	0E21 7D 00 01 3851
		0DAE 0DAE 3816 ALSSS EQU DTSVSSL RETURNED SS VALUE 05665000		0E24 75 02 02 3852
			15	0E27 D0 01 11 3853
			16	3854
			16	0E2A F4 00 06 3855
			17	0E2D 0013 0E2E 3856
			17	0E2F 01 0E2F 3857
				3858
			18	0E30 36 01 0DA4 3859
			18	0E34 F2 81 31 3860
				3861
			19	0E37 35 02 0141 3862
				3863
			20	0E3B 6C 0F 0F 27 3864

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14	TUBSPUM C 001 0080 2810	TUBCMD18 C 001 0080 2736
15	TUBSPWI C 001 00A7 2401	TUBCMD19 C 001 0040 2736
15	TUBSRACT C 001 0000 2371	TUBCMD20 C 001 0002 2723
15	TUBSRDIN C 001 0042 2406	TUBCMD20 C 001 0080 2735
16	TUBSRDMD C 001 0022 2408	TUBCMD21 C 001 0001 2733
16	TUBSRDSN C 001 0062 2405	TUBCMD22 C 001 0002 2732
16	TUBSRDUK C 001 0006 2499	TUBCMD23 C 001 0004 2731
17	TUBSREAL C 001 0040 2353	TUBCMD24 C 001 0008 2730
17	TUBSRSTR C 001 0007 2407	TUBCMD3 C 001 0004 2722
17	TUBSSAVE C 001 0002 2403	TUBCMD4 C 001 0008 2721
18	TUBSSAVS C 001 0006 2404	TUBCMD5 C 001 0010 2720
18	TUBSSKIP C 001 0080 2352	TUBCMD6 C 001 0020 2719
18	TUBSTANZ C 001 00E0 2531	TUBCMD7 C 001 0040 2718
19	TUBSUERP C 001 0080 2375	TUBCMD8 C 001 0080 2717
19	TUBSVH C 001 0010 2378	TUBCMD9 C 001 0010 2729
19	TUBABTRM C 001 0001 2653	TUBCMDND C 001 0003 2384
20	TUBACN C 001 0040 2592	TUBCMD0 C 001 0004 2399

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05	V09/11/81 12/08/81 21:31
05450000	
05460000	
05470000	
05480000	
05483000	
05486000	
05510000	
05520000	
05530000	
05540000	
05550000	
05560000	
05570000	
05575000	
05580000	
05583000	
05586000	
05590000	
05600000	
05610000	
05620000	
05640000	
05650000	
05652000	
05654000	
05656000	
05658000	
05660000	
05665000	

*SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 86 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		ODAE 3818 ALLOC EQU *	05680000
02		ODAB 3819 USING DTDCSIZE,BAS1	05690000
03		ODAE C2 01 ODA8 3820 LA DTDCSIZE,BAS1	05700000
03		ODB2 74 08 C9 3821 ST RTALLOC+3C,BAS1),ARR	05710000
03		ODB5 C2 02 O2A2 3822 ALLO0005 LA NUOTWAKR,F52	05715000
04		ODB9 6C 04 05 05 3823 ALLO0010 MVC DTSVELM(TWAKN-TWAKMAP,BAS1),TWAKN-TWAKMAP,C,F52) MAP	05720000
04		ODBD 5C 01 CC 04 3824 MVC ALSSSE(2,BAS1),ALSSS(,BAS1) INIT. END ADDRESS	05730000
04		ODC1 5F 00 05 38 3825 SLC DTSVMBYT(1,BAS1),ALLO0020+1(,BAS1) DECR. TRACKS INDEX	05740000
05		ODC5 5C 00 2A 05 3826 MVC ALLO0015+1(1,BAS1),DTSVMBYT(,BAS1) MOVE IN L-1	05741000
05		ODC9 5C 00 4A 05 3827 MVC ALLO0045+1(1,BAS1),DTSVMBYT(,BAS1) MOVE IN L-1	05742000
05		ODCD 5C 00 75 05 3828 MVC ALLO0075+1(1,BAS1),DTSVMBYT(,BAS1) MOVE IN L-1	05743000
06		ODD1 6C 00 FA 00 3829 ALLO0015 MVC ALSAVE(,BAS1),0C,F52) SAVE MASTER PATTERN	05744000
06		ODD5 74 02 4C 3830 ST ALLO0045+3C,BAS1),F52 STORE MASTER ADDRESS	05745000
06		ODD8 74 02 77 3831 ST ALLO0075+3C,BAS1),F52 STORE MASTER ADDRESS	05746000
07		ODDB 5C 00 CA 00 3832 MVC ALSIZ(1,BAS1),DTDCSIZE(,BAS1) MOVE IN SIZE	05760000
07		ODDF 7C 01 40 3833 ALLO0020 MVI ALLO0040+1(,BAS1),X'01' INIT. BIT TO TEST	05770000
07		ODE2 4E 01 CC 00AA 3834 ALLO0030 ALC ALSSSE(2,BAS1),NUASCA+SCADTKSZ ADD SECTORS/TRACK 00041	05780000
08		ODE7 88 00 00 3835 ALLO0040 TBN 0C,F52),# TRACK AVAILABLE ?	05790000
08		ODEA F2 10 10 3836 JT ALLO0050 YES, ALLOCATE IT	05800000
09		ODED 5C 01 04 CC 3837 MVC ALSSS(2,BAS1),ALSSSE(,BAS1) NO, RESET START	05810000
09		ODF1 1C 00 0000 FA 3838 ALLO0045 MVC #(,ALSAVE(,BAS1) RESTORE MASTER PATTERN	05820000
09		ODF6 5C 00 CA 00 3839 MVC ALSIZ(1,BAS1),DTDCSIZE(,BAS1) RESTORE SIZE TO ALLOCATE	05830000
10		ODFA F2 87 0E 3840 J ALLO0070 GO CONTINUE	05840000
11		ODFD 5C 00 5A 40 3841 ALLO0050 MVC ALLO0060+1(1,BAS1),ALLO0040+1(,BAS1) MOVE IN MASK	05850000
11		OE01 BB 00 00 3842 ALLO0060 SBF 0C,F52),# INDICATE ALLOCATED	05860000
11		OE04 5F 00 CA 38 3843 SLC ALSIZ(1,BAS1),ALLO0020+1(,BAS1) ALLOCATED ALL ?	05870000
11		OE08 F2 04 63 3844 JNH ALLO0090 YES, ALLOCATION DONE	05880000
12		OE0B 5E 00 40 40 3845 ALLO0070 ALC ALLO0040+1(1,BAS1),ALLO0040+1(,BAS1) DOUBLE Q-CODE	05890000
12		OE0F DO 20 3A 3846 BNOL ALLO0030C,BAS1) NOT DONE BRANCH	05900000
13		OE12 76 02 D0 3847 A ALMONE(,BAS1),F52 BUMP TO NEXT BYTE	05910000
13		OE15 5F 00 05 38 3848 SLC DTSVMBYT(1,BAS1),ALLO0020+1(,BAS1) EXHAUSTED INDEX ?	05920000
14		OE19 D0 02 37 3849 BNL ALLO0020C,BAS1) NO, CHECK NEXT BYTE	05930000
14		OE1C 1C 00 0000 FA 3850 ALLO0075 MVC #(,ALSAVE(,BAS1) RESTORE MASTER INDEX	05940000
15		OE21 7D 00 01 3851 CLI DTSVCHAN-1(,BAS1),0 ANY MORE INDICES ?	05950000
15		OE24 75 02 02 3852 L DTSVCHAN(,BAS1),F52 POINT TO NEXT	05950500
15		OE27 D0 01 11 3853 BNE ALLO0010C,BAS1) YES, CHECK NEXT AREA	05951000
16		3854 * ASSGN LEN-DTSVLEN ASSIGN AN AREA	05951500
16		OE2A F4 00 06 3855 SVC SVCASSGN,D ASSIGN REQUEST	
17		OE2D 0013 OE2E 3856 DC AL2(DTSVLEN) ASSIGN LENGTH	
17		OE2F 01 OE2F 3857 DC AL1(1+0) ATTRIBUTES	
17		3858 *** END OF EXPANSION **	
18		OE30 36 01 ODAA 3859 A DTSVCHAN,XR1 SUCCESSFUL ?	05952000
18		OE34 F2 81 31 3860 JE ALLO0080 NO, FAIL THAL	05952500
19		3861 * TCB R-TCB2 XR1-> TCB	05953000
19		OE37 35 02 0141 3862 L 321,TCB2 GET TCB ADDRESS.	
19		3863 *** END OF EXPANSION **	
20		OE3B 6C 0F OF 27 3864 MVC DTSVREG(TCBRSE-TCBRSE+1,XR1),TCBRSE(,TCB2) SAVE REG.	05953500

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*SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 50 V09/11/81 12/08/81 21:31	
01	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT	
02		007E 2257 TCBSTAT7 EQU TCBX+1	TCB STATUS BYTE 7
02		2258 *	
03		0080 2259 TCBSPUTR EQU X'80'	SPOOL WRITER ID
03		0040 2260 TCBSPPLRS EQU X'40'	SPOOL TERMINATION

01	ERR LOC OBJECT CODE	ADDR
02		
03		

14	TUBCMD16	C	001	0008	2739				
	TUBCMD17	C	001	0010	2738				
	TUBCMD18	C	001	0020	2737				
	TUBCMD19	C	001	0040	2736				
15	TUBCMD2	C	001	0002	2723				
	TUBCMD20	C	001	0080	2735				
	TUBCMD21	C	001	0001	2733				
16	TUBCMD22	C	001	0002	2732				
	TUBCMD23	C	001	0004	2731				
	TUBCMD24	C	001	0008	2730				
17	TUBCMD3	C	001	0004	2722				
	TUBCMD4	C	001	0008	2721				
	TUBCMD5	C	001	0010	2720				
18	TUBCMD6	C	001	0020	2719				
	TUBCMD7	C	001	0040	2718				
	TUBCMD8	C	001	0080	2717				
19	TUBCMD9	C	001	0010	2729				
	TUBCMD	C	001	0003	2384	2397	2399		
20	TUBCMD	C	001	0004	2399	2410			

14	TUBIDEL	C	001	0001	2642				
	TUBIIS	C	001	0080	2624				
	TUBIMI	C	001	0040	2625				
	TUBINPA	C	001	0002	2619				
15	TUBINQ1	C	001	0040	2636				
	TUBINQ2	C	001	0020	2637				
	TUBIOERR	C	001	0040	2677				
16	TUBIPS	C	001	0020	2626				
	TUBIQMP	C	001	0010	2638				
	TUBJCB	C	001	0032	2586	2587			
17	TUBKBULK	C	001	0001	2664				
	TUBKDPLY	C	001	0080	2773				
	TUBKKBD	C	001	0040	2774				
	TUBKPNTN	C	001	0080	2826				
18	TUBLEN	C	001	0060	2795				
	TUBLIOER	C	001	0004	2681				
19	TUBLIOFR	C	001	0002	2597				
	TUBLIOIP	C	001	0002	2682				
20	TUBLIOS	C	001	0002	2641				

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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					
01										
02	0E3F 4C 00 12 ODA8	3865	MVC	DTSVSIZ(1,XR1),DTDCSIZE	SAVE SIZE	05954000				
	0E44 4C 01 11 OE71	3866	MVC	DTSVARR(2,XR1),RTALLOC+3	SAVE ARR	05954500				
		3867 *		\$XFER ID-RSVTX,REFRESH=YES	CALL RECOVERY	05955000				
03	0E49 F4 01 04	3868	SVC	4,1						
	0E4C 35	0E4C 3869	DC	AL1(RSVTX)						
		3870	*** END OF EXPANSION **							
04	0E4D 1C 00 ODA8 12	3871	MVC	DTDCSIZE(1),DTSVSIZ(XR1)	RESTORE SIZE	05955500				
	0E52 1C 01 OE71 11	3872	MVC	RTALLOC+3(2),DTSVARR(XR1)	RESTORE ARR	05956000				
	0E57 9C 0F 27 OF	3873	MVC	TCBRSE(TCBRSE-TCBRSE+1,TCB2),DTSVREG(XR1)	RESTORE RSE	05956500				
05	0E5B F4 00 07	3875	SVC	SVCFREE,QO	ISSUE FREE REQUEST	05957000				
	0E5E 0013	0E5F 3876	DC	AL2(DTSVLEN)	LENGTH OF AREA TO FREE					
06	0E60 01	0E60 3877	DC	AL1(O+1)	FREE FUNCTION BYTE					
		3878	*** END OF EXPANSION **							
	0E61 C2 01 ODA8	3879	LA	DTDCSIZE,BAS1	RELOAD BASE REGISTER	05957500				
07	0E65 D0 81 0D	3880	BE	ALLOO005(,BAS1)	GO CHECK NEXT IF SUCC	05958000				
	0E68 0E 01 OE71 OE76	3881	ALC	RTALLOC+3(2),ALCON3	ADD 3 TO IAR TO FAIL	05960000				
08		0E6E 3882	EQU	*		05970000				
	0E6E C0 87 0000	3883	RTALLOC	B	#	05980000				
09										
10										
11										
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17										
18										
19										
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ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT					
01										
02		2265 *	TUB			00800000				
		2266 *	*****							
		2267 *								
03		2268 *	TERMINAL UNIT BLOCK FOR TERMINALS							

13	TUBH2Q C 001 0080 2635		13	TUBONL C 001 0008 2379
	TUBIARF C 001 0010 2627			TUBOPSTS C 001 0030 2585
	TUBIDEL C 001 0001 2642			TUBOPTS C 001 0018 2554
14	TUBIIS C 001 0080 2624		14	TUBORN C 001 0040 2647
	TUBIMI C 001 0040 2625			TUBORY C 001 0080 2646
	TUBINPA C 001 0002 2619			TUBPATR1 C 001 0034 2825
15	TUBINQ1 C 001 0040 2636		15	TUBPCFGA C 001 0022 2568
	TUBINQ2 C 001 0020 2637			TUBPCRLN C 001 002D 2807
	TUBIOERR C 001 0040 2677			TUBPELEN C 001 0040 2838
16	TUBIPS C 001 0020 2626		16	TUBPERES C 001 003F 2837
	TUBIQMP C 001 0010 2638			TUBPEXTA C 001 0026 2803
	TUBJCB@ C 001 0032 2586 2587			TUBPFMLN C 001 002C 2806
17	TUBKBULK C 001 0001 2664		17	TUBPFMNO C 001 002B 2805
	TUBKDPLY C 001 0080 2773			TUBPGTUB C 001 0033 2823
	TUBKKBD C 001 0040 2774			TUBPLEN C 001 0030 2818
18	TUBKPNTN C 001 0080 2826		18	TUBPLPI C 001 0035 2834
	TUBLEN C 001 0060 2795			TUBPMXPP C 001 002E 2808
	TUBLIOER C 001 0004 2681			TUBPRESV C 001 0027 2804
19	TUBLIOFR C 001 0002 2597		19	TUBPRT C 001 0080 2745
	TUBLIOIP C 001 0002 2682			TUBPSUBC C 001 0031 2822
	TUBLIOS C 001 0002 2641		20	TUBQHDR C 001 0015 2537

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87 V09/11/81 12/08/81 21:31	01 #SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 88 V09/11/81 12/08/81 21:31	01 #SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 88 V09/11/81 12/08/81 21:31
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
05954000	02 3885 * CONSTANTS AND WORK AREAS 06000000	02
05954500	OE72 OE72 3886 ALSIZ DS CL1 ALLOCATION SIZE WORK AREA 06010000	
05955000	OE73 OE74 3887 ALSSE DS CL2 SSS OF NEXT AREA 06030000	
	OE75 0003 OE76 3888 ALCON3 DC XL2'0003' CONSTANT OF 3 06050000	03
	OE77 FFFF OE78 3889 ALMONE DC XL2'FFFF' CONSTANT OF -1 06060000	
	3890 * DO NOT SEPARATE NEXT THREE BYTES 06090000	
05955500	04 OE79 30 OE79 3891 DC AL1(TCBATRS-31) OFFSET TO FIRST ATR VALUE 06100000	04
05956000	OE7A 0030 OE7B 3892 DTMAP DC AL2(TCBATRS-31) INITIAL ATR SLOT ADDRESS 06110000	
E RSE 05956500	05 OE7C OE7D 3893 DTCWORK DS CL2 DORK AREA 06120000	
05957000	OE7E 0001 OE7F 3894 DTC00001 DC XL2'0001' CONSTANT OF 1 06130000	05
	OE80 OE82 3895 ALSAVE DS CL(MULTWAX) BIT MASK SAVE AREA 06140000	
	06 OE83 0601 OE84 3896 ATPMRR DC XL2'0601' PMR/PSR FOR EA,EB AND I OFF 06260000	
	OE85 0E01 OE86 3897 ATPMRL DC XL2'0E01' PMR/PSR FOR EA,EB AND I ON 06270000	06
	OE87 0800 OE88 3898 DTC00800 DC XL2'0800' NO. SECTORS IN 2K 06280000	
05957500	07 OE89 3899 DTC00008 EQU DTC00800-1 CONSTANT OF 8 06290000	
05958000		07
05960000		08
05970000		
05980000		08
		09
		10
		11
		12
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51 V09/11/81 12/08/81 21:31	01 #SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 52 V09/11/81 12/08/81 21:31	01 #SVAU TCB CHANGE ORG OR DETACH TRANSIENT PAGE 52 V09/11/81 12/08/81 21:31
	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT	ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
00800000	02 2308 *****	02
	2309 *	
	2310 *	

13	TUBMSTN C 001 0040 2611
14	TUBNOSUB C 001 0002 2766
	TUBONL C 001 0008 2379
	TUBOPSTS C 001 0030 2585 2586
	TUBOPTS C 001 001B 2554 2564
	TUBORN C 001 0040 2647
	TUBORY C 001 0080 2646
	TUBPATR1 C 001 0034 2825 2834
15	TUBPCFGA C 001 0022 2568 2569
	TUBPCRLN C 001 002D 2807 2808
	TUBPELEN C 001 0040 2838
16	TUBPERES C 001 003F 2837 2838
	TUBPEXTA C 001 0026 2803 2804
	TUBPFMLN C 001 002C 2806 2807
	TUBPFMNO C 001 002B 2805 2806
17	TUBPGTUB C 001 0033 2823 2825
	TUBPLEN C 001 0030 2818 2822
	TUBPLPI C 001 0035 2834 2837
18	TUBPMXPP C 001 002E 2808 2809
	TUBPRESV C 001 0027 2804 2805
19	TUBPRT C 001 0080 2745
	TUBPSUBC C 001 0031 2822 2823
20	TUBQHDR C 001 0015 2537 2539

13	TUBSENS5 C 001 000F 2518
	TUBSGN C 001 0010 2594
	TUBSTARF C 001 0001 2631
14	TUBSTIS C 001 0008 2628
	TUBSIMI C 001 0004 2629
	TUBSTOCT C 001 001D 2564
	TUBSTPS C 001 0002 2630
15	TUBSRILK C 001 0004 2662
	TUBSRQ C 001 0002 2652
	TUBSRQPD C 001 0080 2676
16	TUBSTATA C 001 0004 2618
	TUBSTPJ C 001 0004 2596
	TUBSUBCN C 001 0008 2764
17	TUBSVER1 C 001 0004 2706
	TUBSVER2 C 001 0002 2707
	TUBSVRD C 001 0008 2705
18	TUBSVER3 C 001 0020 2659
	TUBTCB C 001 0024 2569
	TUBTCBA C 001 0011 2521
19	TUBTSRQ C 001 0008 2595
	TUBTUB C 001 0034 2587
20	TUBUNITA C 001 0005 2410

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AREA	06000000
	06010000
	06030000
	06050000
	06060000
VALUE	06090000
RESS	06100000
	06110000
	06120000
	06130000
	06140000
OFF	06260000
ON	06270000
	06280000
	06290000

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 89	V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		3901 *	
		3902 *	THIS IS THE BOOTSTRAP CODE THAT IS MOVED TO THE FIRST TWO K
		3903 *	PAGE WHENEVER GOING FROM SCHEDULER TO USER OR USER TO
03		3904 *	SCHEDULER.
		3905 *	
04		OE A9 3906	USING ATOCODE, XR1 USE AS A BASE REGISTER
		OE A9 3907	ATOCODE EQU *
		OE A9 3908	ATLGEND EQU ATOCODE+1 LOG. ENDA+1
		OE AC 3909	ATLGSTRT EQU ATLGEND+2 LOG. STARTA
05		3910 *	GETP NPEND-ATOCODE
		3911	SVC SVCGETP,0 EXTEND UP TO REGION SIZE
		OE AD 3912	DC AL2(ATOCODE) LEFT ADDRESS OF LOGICAL END
06		OE AE 00	OE AE 3913 DC X1'00' INLINE PARM BYTE 3
		3914 ***	END OF EXPANSION **
07		OE AF C2 02 0000	3915 LA #,TCB2 POINT TO TCB
		OE B2 3916	ATTCB EQU *-1
		OE B3 F6 00 88	3917 LPMR PRV+DSABL+IARX SET OFF TRANSLATE
		OE B6 BC 00 2D	3918 MVI TCBRSIZ(C,TCB2),# RESET REGION SIZE
08		OE B7 3919	ATRGSAV EQU *-2 REGION SIZE SAVE
		3920 *	ENABL CANCEL-Y,TCB-TCB2 ENABLE CANCEL
		OE B9 8F 00 74 0093	3921 SLC TCBNCNT(C,TCB2),NUMSCA+SCADCON1 DECREMENT CANCEL COUNT
09		OE BE F2 84 0D	3922 JP EN1066 BYPASS CANCEL CHECK IF POSITIVE
		OE C1 BC 00 74	3923 MVI TCBNCNT(C,TCB2),0 RESET CANCEL COUNT TO ZERO
10		OE C4 B8 04 6E	3924 TBN TCBSTAT4(C,TCB2),TCBNLPD CANCEL PENDING ?
		OE C7 F2 90 04	3925 JF EN1066 NO,BYPASS EQJ
11		3926 *	\$EOJ EOJ SVC
		3927 *	LINKAGE TO END OF JOB ROUTINES
		OE CA F4 00 04	3928 SVC X'04',X'00' EOJ SVC
12		OE CD 04	OE CD 3929 DC X1'04' EOJ RIB
		3930 *	END OF EXPANSION
		3931 ****	END OF EXPANSION **
13		OE CE 3932	EN1066 EQU *
		3933 ***	END OF EXPANSION **
		OE CE F6 00 00	3934 ATPMRSET LPMR # SET TASK PMR
14		OE D1 74 01 03	3935 ST ATLGSTRT(C,XR1),XR1 STORE LOGICAL START ADDR.
		OE D4 5F 01 01 5F	3936 SLC ATLGEND(C,XR1),ATLDPRM+\$LDDLOAD(C,XR1) DECR. BY LOAD @
		OE D8 5C 00 02 57	3937 MVC ATLGSTRT-1(C,XR1),ATLDPRM+\$LDDTEXT(C,XR1) SET SECTOR SZ
15		OE DC 75 02 5F	3938 L ATLDPRM+\$LDDLOAD(C,XR1),XR2 XR2-> START OF PART.
		OE DF F2 87 07	3939 J ATOCDE2 GO ENTER LOOP
16		OE E2 BC FF FF	3940 ATOCDE1 MVI 255(C,XR2),X'FF' SET 256 FOXES
		OE E5 AC FE FF FF	3941 MVC 254(255,XR2),255(C,XR2) * IN STORAGE
		OE E9 76 02 03	3942 ATOCDE2 A ATLGSTRT(C,XR1),XR2 XR2-> SECTOR TO FOX OUT
17		OE EC 5F 00 00 02	3943 SLC ATLGEND-1(C,XR1),ATLGSTRT-1(C,XR1) DECREMENT SIZE TO FOX
		OE FO 7C 01 02	3944 MVI ATLGSTRT-1(C,XR1),1 SET SIZE TO 1 SECTOR
		OE F3 D0 84 39	3945 BH ATOCDE1(C,XR1) GO FOX NEXT SECTOR
18		OE F6 D2 02 54	3946 LA ATLDPRM(C,XR1),XR2 POINT TO LOAD PARM
		OE F9 F4 01 52	3947 SVC SVCLDQ,QAUIT FETCH USER TASK
19		OE FC OE	OE FC 3948 DC AL1(\$LDM5FCH) 06610000
		OE FD 3949	ATLDPRM EQU * 06620000
		OE FD	OF08 3950 DS CL(\$LDDLEN) 06630000
20			

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 53	V09/11/81 12/08/81 21:31
01	ERR LOC OBJECT CODE	ADDR STMT	SOURCE STATEMENT
02		2338	*****

01	ERR LOC OBJECT CODE
02	
03	
04	OF09 0000000000000000
	OF11 0000000000000000
	OF19 0000000000000000
	OF21 0000000000000000
	OF29 0000000000000000
	OF31 0000000000000000
	OF39 0000
07	LENGTH OF MODULE IS
08	
09	
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12	TUBSENS3	C 001	0000	2459	2461
	TUBSENS4	C 001	000E	2461	2518
	TUBSENS5	C 001	000F	2518	
13	TUBSGN	C 001	0010	2594	
	TUBSTARF	C 001	0001	2631	
	TUBSTIT	C 001	0008	2628	
14	TUBSIMI	C 001	0004	2629	
	TUBSIOCT	C 001	001D	2564	2565
	TUBSTIPS	C 001	0002	2630	
15	TUBSRILK	C 001	0004	2662	
	TUBSRQ	C 001	0002	2652	
	TUBSRQPD	C 001	0080	2676	
16	TUBSTATA	C 001	0004	2618	
	TUBSTPJ	C 001	0004	2596	
	TUBSUBCN	C 001	0008	2764	
17	TUBSVER1	C 001	0004	2706	
	TUBSVER2	C 001	0002	2707	
	TUBSVRD	C 001	0008	2705	
18	TUBSYLST	C 001	0020	2659	
	TUBTCB	C 001	0024	2569	2571
	TUBTCB@	C 001	0011	2521	2527
19	TUBTSRQ	C 001	0008	2595	
	TUBTUB	C 001	0034	2587	2589
	TUBUNIT@	C 001	0005	2410	2411
20					

	TWA#NUSE	C 001	0000	2886	
	TWA#OCLC	C 001	0037	2879	
	TWA#PSBC	C 001	0006	2862	
13	TWA#PSDE	C 001	0007	2863	
	TWA#PSFO	C 001	0008	2864	
	TWA#PS12	C 001	0001	2857	
14	TWA#PS34	C 001	0002	2858	
	TWA#PS56	C 001	0003	2859	
	TWA#PS78	C 001	0004	2860	
15	TWA#PS9A	C 001	0005	2861	
	TWA#RRMG	C 001	0039	2881	
	TWA#SAVE	C 001	000C	2868	
16	TWA#SCSV	C 001	000F	2893	
	TWA#SCO1	C 001	0001	2887	
	TWA#SINS	C 001	000A	2866	
17	TWA#STAT	C 001	0027	2896	
	TWA#TKMQ	C 001	0031	2877	
	TWA#USER	C 001	000C	2869	
18	TWA#USSA	C 001	001B	2895	
	TWA#USSS	C 001	002D	2873	
	TWA#XLAT	C 001	0038	2880	
19	TWAGET	C 001	0000	2847	
	TWAPUT	C 001	0001	2846	
20	TWAREAL	C 001	0040	2851	

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06310000		
06320000		
06330000		
06340000		
06350000		
06360000		
06370000		
06380000		
06390000		
06400000		
06410000		
06420000		
06430000		
06440000		
06450000		
06465000		
06470000		
06480000		
06490000		
06500000		
06510000		
06520000		
06530000		
06540000		
06550000		
06560000		
06570000		
06580000		
06590000		
06600000		
06610000		
06620000		
06630000		

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 90	V09/11/81	12/08/81	21:31
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02		OF09 3951 ATOEND	EQU	*	06640000
		0060 3952 ATOCDLN	EQU	ATOEND-ATOCODE	06650000
					CODE LENGTH
03					
04		OF09 3954 MAINT	EQU	*	06670000
		0F09 0000000000000000	OF3A 3955	DC	50XL1'00'
		0F11 0000000000000000	3955		06680000
		0F19 0000000000000000	3955		
05		0F21 0000000000000000	3955		
		0F29 0000000000000000	3955		
06		0F31 0000000000000000	3955		
		0F39 0000	3955		
					3956 */*.END CHANGE ACTIVITY - #SVAU
					06685000
07		0800 3957	END	#SVAU	06690000
	LENGTH OF MODULE IS	1851			
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

01	SYMBOL	T	LEN	VALUE	DEFN	R
02						
03	\$ATACHER	C	001	0001	0135	
	\$ATBATCH	C	001	0090	0121	
	\$ATCOMMON	C	001	0040	0129	3
	\$ATCREAT	C	001	0080	0108	0
04	\$ATDATA	C	001	0008	0114	0
	\$ATDATA@	C	001	0018	0137	0
	\$ATERRO1	C	001	0001	0144	3
05	\$ATERRO2	C	001	0002	0145	3
	\$ATERRO3	C	001	0003	0147	3
	\$ATERRO4	C	001	0004	0150	
06	\$ATERRO5	C	001	0005	0151	
	\$ATERRO6	C	001	0006	0152	3
	\$ATERRO7	C	001	0007	0153	
07	\$ATFLAG	C	001	000C	0107	0
	\$ATFLAG1	C	001	0015	0127	0
	\$ATFRPM	C	001	0001	0118	3
08	\$ATINJC	C	001	0010	0131	
	\$ATINIT	C	001	00EC	0119	
	\$ATJCB@	C	001	0010	0125	
09	\$ATLENG	C	001	0019	0138	3
	\$ATLOAD	C	001	000B	0106	0
	\$ATMSSIZ	C	001	000D	0122	0
10	\$ATNCNIQ	C	001	0002	0134	
	\$ATNONAM	C	001	0010	0112	0
	\$ATNRTUB	C	001	0004	0133	
11	\$ATNSWAP	C	001	0002	0117	3
	\$ATPRIOR	C	001	000E	0123	0
	\$ATPRIV	C	001	0004	0116	0
12	\$ATQKINT	C	001	0020	0130	
	\$ATREAL	C	001	0040	0109	0
	\$ATRFRRSH	C	001	0080	0128	
13	\$ATSPPOOL	C	001	0004	0120	
	\$ATSSSN	C	001	0014	0126	0
	\$ATSYSTK	C	001	0008	0132	
14	\$ATTSKID	C	001	0016	0136	0
	\$ATTUB@	C	001	0010	0124	0
	\$ATTUBAS	C	001	0020	0110	0
15	\$LD@MID	C	001	0010	3034	
	\$LDDLLEN	C	001	000C	3022	3
	\$LDDLINK	C	001	0005	3016	3
16	\$LDDLLOAD	C	001	0008	3021	3
	\$LDDRDL	C	001	0008	3018	3
	\$LDDSS	C	001	0002	3014	3
17	\$LDDSTRT	C	001	0007	3017	3
	\$LDDTEXT	C	001	0003	3015	3
	\$LDDTOT	C	001	0009	3020	3
18	\$LDFETCH	C	001	0004	3032	3
	\$LDMFCHA	C	001	0006	3044	3
	\$LDMFCH	C	001	0004	3043	3
19	\$LDMLOAD	C	001	0002	3041	3
	\$LDMSFCH	C	001	000E	3045	3
20	\$LDMSLD	C	001	000A	3042	

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 54	V09/11/81	12/08/81	21:31
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT		PAGE 54	V09/11/81	12/08/81	21:31
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT

12	TWAMPD01 C 001 0008 2890	12	XR2 C 001 0002 3051
	TWAMPNUSE C 001 0000 2886		ZERO C 001 0000 3063
	TWAMPDCLC C 001 0037 2879		ZONEBITS C 001 00F0 3081
13	TWAMP SBC C 001 0006 2862	13	TOTAL STATEMENTS FLAGGED IN TH
	TWAMP SDE C 001 0007 2863		STATEMENTS FLAGGED AS WARNINGS
	TWAMP SFO C 001 0008 2864		
14	TWAMP S12 C 001 0001 2857		
	TWAMP S34 C 001 0002 2858		
	TWAMP S56 C 001 0003 2859		
	TWAMP S78 C 001 0004 2860		
15	TWAMP S9A C 001 0005 2861	15	
	TWAMP RRMG C 001 0039 2881		
	TWAMP SAVE C 001 000C 2868		
16	TWAMP SCSV C 001 000F 2893	16	
	TWAMP SC01 C 001 0001 2887		
	TWAMP SINS C 001 000A 2866		
17	TWAMP STAT C 001 0027 2896	17	
	TWAMP TKMQ C 001 0031 2877		
	TWAMP USER C 001 000C 2869		
18	TWAMP USSA C 001 001B 2895	18	
	TWAMP USSS C 001 002D 2873		
	TWAMP XLAT C 001 0038 2880		
19	TWAMP GET C 001 0000 2847	19	
	TWAMP PUT C 001 0001 2846		
20	TWAMP REAL C 001 0040 2851	20	

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0	V09/11/81 12/08/81 21:31
	06640000
	06650000
	06670000
	06680000
	06685000
	06690000

01	PAGE 91 V09/11/81 12/08/81 21:31				
	CROSS-REFERENCE				
02	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
03	\$ATACHER	C	001	0001	0135
	\$ATBATCH	C	001	0090	0121
	\$ATCOMMON	C	001	0040	0129 3198 3721
04	\$ATCREAT	C	001	0080	0108 0119 0120 0121
	\$ATDATA	C	001	0008	0114 0119
	\$ATDATA@	C	001	0018	0137 0138
05	\$ATERRO1	C	001	0001	0144 3617
	\$ATERRO2	C	001	0002	0145 3638
	\$ATERRO3	C	001	0003	0147 3630
	\$ATERRO4	C	001	0004	0150
06	\$ATERRO5	C	001	0005	0151
	\$ATERRO6	C	001	0006	0152 3674
	\$ATERRO7	C	001	0007	0153
07	\$ATFLAG	C	001	000C	0107 0122 3178 3259 3619 3699 3712 3726
	\$ATFLAG1	C	001	0015	0127 0136 3198 3721
	\$ATFRPRM	C	001	0001	0118 3178
08	\$ATINCJC	C	001	0010	0131
	\$ATINIT	C	001	00EC	0119
	\$ATJCB@	C	001	0010	0125
09	\$ATLENG	C	001	0019	0138 3174 3174 3174* 3182
	\$ATLOAD	C	001	000B	0106 0107 3195* 3196 3723 3724 3724*
	\$ATMSSIZ	C	001	000D	0122 0123 3215 3218* 3219 3729
10	\$ATNCONIQ	C	001	0002	0134
	\$ATNONAM1	C	001	0010	0112 0120 0121
	\$ATNRTUB	C	001	0004	0133
11	\$ATNSWAP	C	001	0002	0117 3259 3619 3712
	\$ATPRIOR	C	001	000E	0123 0124
	\$ATPRIV	C	001	0004	0116 0119 0120 3726
12	\$ATQKINT	C	001	0020	0130
	\$ATREAL	C	001	0040	0109 0119 0120 3699
	\$ATFRFRSH	C	001	0080	0128
13	\$ATSPPOOL	C	001	0004	0120
	\$ATSSSN	C	001	0014	0126 0127
	\$ATSYSTK	C	001	0008	0132
14	\$ATTSKID	C	001	0016	0136 0137
	\$ATTUB@	C	001	0010	0124 0125 0126
	\$ATTUBAS	C	001	0020	0110 0119
15	\$LDDAMPID	C	001	0010	3034
	\$LDDLLEN	C	001	000C	3022 3724 3950
16	\$LDDLINK	C	001	0005	3016 3017 3200 3201 3723*
	\$LDDLLOAD	C	001	000B	3021 3022 3936 3938
	\$LDDRRLD	C	001	0008	3018 3020
	\$LDDSS	C	001	0002	3014 3015 3171 3171* 3172 3189 3350
17	\$LDDSTRT	C	001	0007	3017 3018
	\$LDDTEXT	C	001	0003	3015 3016 3209 3937
	\$LDDTOT	C	001	0009	3020 3021
18	\$LDFETCH	C	001	0004	3032 3043
	\$LDMFCHA	C	001	0006	3044 3045
	\$LDMFTCH	C	001	0004	3043 3044
19	\$LDMLOAD	C	001	0002	3041 3042
	\$LDMSFCH	C	001	000E	3045 3948
20	\$LDMSLD	C	001	000A	3042

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01	
02	SYMBOL T LEN VALUE DEFN
03	\$LDMSSLD C 001 0001 3040
	\$LDRELAD C 001 0001 3030
	\$LDSFTCH C 001 0008 3033
04	\$LDTOADR C 001 0002 3031
	* C 001 0000 3058
	## C 001 0000 3059
05	*SVAU A 001 0800 0002
	@ C 001 0002 3060
06	ACECHAIN C 001 0001 0080
	ACECPERR C 001 0010 0092
	ACECSCL C 001 0000 0088
	ACEIAR C 001 0003 0081
07	ACEINUSE C 001 0008 0094
	ACEIOCHN C 001 0020 0090
	ACELEN C 001 0010 0102
08	ACELOG C 001 0010 0091
	ACEMAB C 001 0005 0082
	ACEMASK C 001 00FE 0098
09	ACENSCL C 001 0080 0087
	ACEMWAIT C 001 0008 0093
10	ACEPARAM1 C 001 0006 0083
	ACEPARAM2 C 001 0007 0084
	ACEPARAM3 C 001 0008 0085
	ACEPRIV C 001 0040 0089
11	ACEQUIES C 001 0001 0097
	ACETCBA C 001 000F 0101
	ACETYPE C 001 0009 0086
12	ACEXLOFF C 001 0004 0096
	ACEXR1 C 001 000B 0099
	ACEXR2 C 001 000D 0100
13	ACE1 C 001 0001 3117
	ACE2 C 001 0002 3118
	ALCON3 A 002 0E76 3888
14	ALLBIT C 001 00FF 3082
	ALLOC A 001 0DAE 3818
	ALL00005 A 004 0DB5 3822
15	ALL00010 A 004 0DB9 3823
	ALL00015 A 004 0DD1 3829
	ALL00020 A 003 0DDF 3833
16	ALL00030 A 005 0DE2 3834
	ALL00040 A 003 0DE7 3835
	ALL00045 A 005 0DF1 3838
17	ALL00050 A 004 0DFD 3841
	ALL00060 A 003 0E01 3842
	ALL00070 A 004 0E08 3845
18	ALL00075 A 005 0E1C 3850
	ALL00080 A 006 0E68 3881
	ALL00090 A 001 0E6E 3882
19	ALNONE A 002 0E78 3889
	ALSAVE A 035 0EA2 3895
20	ALSTZ A 001 0E72 3886

TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY = 0

14	STATEMENTS FLAGGED AS WARNINGS	=	0
15			
16			
17			
18			
19			
20			

aa041	P10316	SS	DM	03	09/07/
aa052	P10317	TP	SR	03	09/22/
aa093	P10342	TP	SN	03	01/03/
aa145	P10402	SS		04	03/30/
aa254	P10462	SS	NU	04	01/25/
aa419	P10802	SSP		08	01/11/
aa478	P10807	TEL		08	06/16/
END OF CHANGE FLAG REASONS					

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CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	\$LDMSLD	C	001	3040		
03	\$LDRELAD	C	001	3030		3040
03	\$LDSFTCH	C	001	0008	3033	3042 3045
04	\$LDTOADR	C	001	0002	3031	3041 3044
04	#	C	001	0000	3058	3290 3694 3710 3710* 3743* 3800 3808 3829 3835 3838 3838*
04						3842 3850 3850* 3883 3915 3918 3934
05	##	C	001	0000	3059	
05	#SVAU	A	001	0800	0002	3957
05	a	C	001	0002	3060	
06	ACECHAIN	C	001	0001	0080	0081
06	ACECPERR	C	001	0010	0092	
06	ACECSCL	C	001	0000	0088	
06	ACEIAR	C	001	0003	0081	0082
07	ACEINUSE	C	001	0008	0094	
07	ACEIOCHN	C	001	0020	0090	
08	ACELEN	C	001	0010	0102	
08	ACELOG	C	001	0010	0091	
08	ACEMAB	C	001	0005	0082	0083
09	ACEMASK	C	001	00FE	0098	
09	ACEMSCL	C	001	0080	0087	
09	ACEMWAIT	C	001	0008	0093	
10	ACEPARAM1	C	001	0006	0083	0084
10	ACEPARAM2	C	001	0007	0084	0085
10	ACEPARAM3	C	001	0008	0085	0086
11	ACEPRIV	C	001	0040	0089	
11	ACEQUIES	C	001	0001	0097	
11	ACETCBa	C	001	000F	0101	0102
12	ACETYPE	C	001	0009	0086	0099
12	ACEXLOFF	C	001	0004	0096	
12	ACEXR1	C	001	0008	0099	0100
13	ACEXR2	C	001	0000	0100	0101
13	ACE1	C	001	0001	3117	
13	ACE2	C	001	0002	3118	
14	ALCON3	A	002	0E76	3888	3881
14	ALLBIT	C	001	00FF	3082	
14	ALLOC	A	001	0DAE	3818	3658 3668
15	ALLO0005	A	004	0DB5	3822	3880
15	ALLO0010	A	004	0DB9	3823	3853
15	ALLO0015	A	004	0DD1	3829	3826*
16	ALLO0020	A	003	0DDF	3833	3825 3843 3848 3849
16	ALLO0030	A	005	0DE2	3834	3846
16	ALLO0040	A	003	0DE7	3835	3833* 3841 3845 3845*
17	ALLO0045	A	005	0DF1	3838	3827* 3830*
17	ALLO0050	A	004	0DFD	3841	3836
17	ALLO0060	A	003	0E01	3842	3841*
18	ALLO0070	A	004	0E08	3845	3840
18	ALLO0075	A	005	0E1C	3850	3828* 3831*
18	ALLO0080	A	006	0E68	3881	3860
19	ALLO0090	A	001	0E6E	3882	3844
19	ALMONE	A	002	0E78	3889	3795 3847
19	ALSAVE	A	035	0EA2	3895	3829* 3838 3850
20	ALSTZ	A	001	0E72	3886	3832* 3839* 3843*

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT

02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
02						0006	2499	TUB\$RDUK EQU X'06' . READ ISSUED TO UNLOCKED KEYBOARD ERROR
02						0007	2500	TUB\$POFF EQU X'07' . US IS POWERED OFF
03						2501	*	EQU X'08' . RESERVED
03						2502	*	EQU X'09' . SAVE OR RESTORE ERROR

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#SVAU TCB CHANGE ORG OR DETACH

02	ERR	LOC	OBJECT	CODE	ADDR
02					
03					

16 aa145 P10402 SS 04 03/30/78 CKS 44A

aa254 P10462 SS NU 04 01/25/79 WJW 47R

17 aa419 P10802 SSP 08 01/11/80 JWB 47N

aa478 P10807 TEL 08 06/16/80 KEW 48J

18 END OF CHANGE FLAG REASONS

19

20

CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	ALSSS	A	005	ODAC	3816	3672 3679 3824 3837*
	ALSSSE	A	002	OE74	3887	3824* 3834* 3837
	ARR	C	001	0008	3053	3374* 3405 3767 3786 3821
04	ATALLCOM	A	005	ODAC	3815	3790 3792*
	ATLOPRM	A	001	OEFD	3949	3724* 3936 3937 3938 3946
	ATLGEND	A	001	OEAA	3908	3909 3936* 3943*
	ATLGSTRT	A	001	OEAC	3909	3935* 3937* 3942 3943 3944*
05	ATOCDE1	A	003	OE2	3940	3945
	ATOCDE2	A	003	OE9	3942	3939
	ATOCDLN	C	001	0060	3952	3761 3761*
06	ATOCODE	A	001	OE9	3907	3752* 3906 3908 3912 3952
	ATOEND	A	001	OF09	3951	3761 3952
	ATPMRL	A	002	OE6	3897	3759
07	ATPMRR	A	002	OE4	3896	
	ATPMRSET	A	003	OECE	3934	3725* 3728*
	ATRGSAV	A	001	OE87	3919	3755*
08	ATR1	C	001	0001	3125	
	ATR2	C	001	0002	3126	3693* 3694 3739* 3743
	ATTCB	A	001	OE82	3916	3754*
09	AT000010	A	004	OD68	3788	3784 3785 3799
	AT000020	A	003	OD6C	3789	3796 3797 3801
	AT000030	A	004	OD6F	3790	3794
10	AT000040	A	004	OD7B	3793	3802
	AT000050	A	003	OD93	3800	3789* 3791 3793 3793*
11	BAS1	C	001	0001	3129	3819 3820* 3821 3823 3824 3824 3825 3825 3826 3826 3827 3827 3828 3828 3829 3830 3831 3832 3832 3833 3834 3837 3837 3838 3839 3839 3841 3841 3843 3843 3845 3845 3846 3847 3848 3848 3849 3850 3851 3852 3853 3879* 3880
12	BAS2	C	001	0002	3130	3784 3785* 3786 3788 3789 3790 3790 3792 3793 3793 3794 3796 3796 3797 3798 3799 3801 3801 3802
	BATCOUNT	C	001	0005	2232	
13	BIT0	C	001	0080	3083	
	BIT1	C	001	0040	3084	
	BIT2	C	001	0020	3085	
14	BIT3	C	001	0010	3086	
	BIT4	C	001	0008	3087	
	BIT5	C	001	0004	3088	
15	BIT6	C	001	0002	3089	
	BIT7	C	001	0001	3090	
	BLANK	C	001	0040	3062	
16	BUF1	C	001	0001	3133	
	BUF2	C	001	0002	3134	
	CD1	C	001	0001	3111	
17	CD2	C	001	0002	3112	3748* 3752 3757 3758 3761
	CP1	C	001	0001	3107	
	CP2	C	001	0002	3108	
18	CSBDAT1	C	001	0006	0181	0190
	CSBDAT2	C	001	0016	0290	0300
	CSBDAT3	C	001	0007	0190	0200 0223
19	CSBDAT4	C	001	0036	0391	
	CSBDBMS1	C	001	0022	0313	0373
20	CSBDCNFG	C	001	0023	0373	0374

01	#SVAU	TCB CHANGE ORG OR DETACH TRANSIENT
02	ERR LOC OBJECT CODE	ADDR STMT SOURCE STATEMENT
03		001B 2554 TUBOPTS EQU TUBMIC+1 ERP MESSAGE OPTIONS
04		2556 *
		2557 * SEE THE ERBDOPT FIELD OF THE ERB MACRO FOR ASSOCIATED MASKS.
		2558 *
		2560 *

01	ERR LOC OBJECT CODE	ADDR
02		
03		
04		0080 0040

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
CSBDTFA	C	001	000F	0226 0227
CSBDDVCD	C	001	0003	0171 0180
CSBDECM	C	001	0001	0163 0164 0165 0281
CSBDEMON	C	001	0018	0216
CSBDFCHN	C	001	0009	0223 0224
CSBDIOA	C	001	001A	0301 0302
CSBDIOBA	C	001	0032	0387 0388
CSBDIOSZ	C	001	0018	0300 0301
CSBDIRS	C	001	0033	0388 0389
CSBDLCS	C	001	0021	0304 0313
CSBDLIND	C	001	0002	0165 0171
CSBDLNDX	C	001	0015	0289 0290
CSBDLNG	C	001	0038	0397
CSBDLNUM	C	001	0030	0386 0387
CSBDLST	C	001	000A	0201 0210
CSBDMCDA	C	001	001F	0272 0273
CSBDMSS	C	001	0014	0231 0252 0289
CSBDMIC	C	001	0021	0273 0274
CSBDMNG	C	001	0038	0281
CSBDMONE	C	001	0019	0254 0255
CSBDMTCB	C	001	0001	0164
CSBDNAM	C	001	002B	0381 0382
CSBDNAME	C	001	002D	0278 0279
CSBDPLA	C	001	0035	0389 0390 0391
CSBDPRM1	C	001	0027	0375 0381
CSBDPUBA	C	001	0023	0274 0275
CSBDRECA	C	001	0025	0275 0277 0278
CSBDRESV	C	001	0017	0215 0216
CSBDRIIDB	C	001	002D	0382 0384
CSBDRSRV	C	001	0026	0374 0375
CSBDRINC	C	001	0010	0227 0231
CSBDSCA	C	001	0009	0200 0201
CSBDSCAC	C	001	0005	0180 0181
CSBDSDCM	C	001	0016	0252 0253
CSBDSOLC	C	001	001D	0271 0272
CSBDSIOB	C	001	0025	0277
CSBDSNAC	C	001	0018	0253 0254
CSBSTB1	C	001	001A	0255 0265
CSBSTB2	C	001	001B	0265 0271
CSBDTCBA	C	001	000B	0224 0225
CSBDTCB1	C	001	000C	0210 0211
CSBDTCB2	C	001	000E	0211 0212
CSBDTCB3	C	001	0010	0212 0213
CSBDTCB4	C	001	0012	0213 0215
CSBDTIDB	C	001	001C	0302 0304
CSBDUTCB	C	001	000D	0225 0226
CSBDWRK	C	001	0037	0390 0397
CSBDWRKE	C	001	0037	0280 0281
CSBDWRKS	C	001	002E	0279 0280
CSBLDEF	C	001	002F	0385 0386
CSBMALLC	C	001	0010	0185
CSBMATCL	C	001	0010	0395

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				
ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
2603	*			***** TERMINAL MODE INDICATORS *****
2604	*			*****
2605	*			1XXX - STANDBY MODE * 0X00 - INITIAL MODE *
2606	*			00XX - CONSOLE MODE * 0101 - DATA MODE *
2607	*			0110 - COMMAND MODE * 0111 - INTERRUPT MODE *
2608	*			*****

CROSS-REFERENCE				
02	SYMBOL	T LEN	VALUE	DEFN REFERENCES
03	CSBMAUTO	C 001	0004	0196
	CSBMBSC	C 001	0080	0172
	CSBMBSER	C 001	0040	0192
04	CSBMCANC	C 001	0040	0267
	CSBMCLIW	C 001	0020	0297
	CSBMCLOS	C 001	0002	0197
05	CSBMCLPT	C 001	0040	0298
	CSBMCOPC	C 001	0022	0238
	CSBMCOSLU	C 001	0008	0261
06	CSBMCZPT	C 001	0020	0394
	CSBMDMPT	C 001	0020	0268
	CSBMDPER	C 001	0040	0203
07	CSBMDRWS	C 001	0080	0202
	CSBMDSFS	C 001	0020	0204
	CSBMDST	C 001	0010	0205
08	CSBMECB	C 001	00FF	0214
	CSBMEXIT	C 001	0002	0188
	CSBMGCAC	C 001	0080	0392
09	CSBMHALT	C 001	0020	0378
	CSBMICF	C 001	0085	0177
	CSBMIDAC	C 001	0080	0299
10	CSBMINFO	C 001	0004	0396
	CSBMINIT	C 001	0001	0189
	CSBMOAC	C 001	0080	0182
11	CSBMITH	C 001	0086	0178
	CSBMJPNM	C 001	0004	0187
	CSBMLIN1	C 001	0001	0166
12	CSBMLIN2	C 001	0002	0167
	CSBMLIN3	C 001	0003	0168
	CSBMLIN4	C 001	0004	0169
13	CSBMLOCL	C 001	0010	0295
	CSBMLOIW	C 001	0004	0293
	CSBMLOPT	C 001	0008	0294
14	CSBMRRJ	C 001	00F0	0359
	CSBMRJE	C 001	0082	0174
	CSBMRWR	C 001	0001	0264
15	CSBMMSGT	C 001	0002	0230
	CSBMNDMP	C 001	0010	0269
	CSBMNHLT	C 001	0008	0270
16	CSBMMSG	C 001	0040	0393
	CSBMNRMC	C 001	0000	0228
	CSBMONTR	C 001	0008	0186
17	CSBMOPND	C 001	0020	0184
	CSBMPEI	C 001	0080	0376
	CSBMPINT	C 001	0004	0262
18	CSBMRID	C 001	0001	0291
	CSBMRQND	C 001	0040	0258
	CSBMRQYS	C 001	0080	0256
19	CSBMRTOI	C 001	0001	0229
	CSBMRTRY	C 001	0040	0377
	CSBMSDLP	C 001	0083	0175
20	CSBMSL	C 001	0004	0207

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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT				
02	ERR LOC	OBJECT CODE	ADDR STMT	SOURCE STATEMENT
03			0080 2657	TUBUSUP EQU X'80' . USER DISPLAY IS UP
			0040 2658	TUBUSSV EQU X'40' . USER DISPLAY SAVED
			0020 2659	TUBSYLST EQU X'20' . SYSLIST DISPLAY UP
			0010 2660	TUBMBDCF EQU X'10' . BROADCAST FAILURE
			0008 2661	TUBMRDTA EQU X'08' . MRT PROC WITH DATA ENTERED
			0004 2662	TUBSRILK EQU X'04' . SAVE/RESTORE INTERLOCK

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CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02	CSBMSNA	C	0081	0173
03	CSBMSNAQ	C	0080	0266
	CSBMSNBU	C	0020	0193
04	CSBMSN44	C	0084	0176
	CSBMTBEI	C	0020	0259
	CSBMTERM	C	0010	0194
05	CSBMTID	C	0002	0292
	CSBMTOPC	C	0033	0237
	CSBMTRM	C	0008	0206
06	CSBMUSER	C	0080	0191
	CSBMUJAT	C	0002	0263
	CSBMUJCK	C	0010	0260
	CSBMUJAT	C	0010	0379
07	CSBMK21	C	0008	0195
	CSBMORTY	C	0001	0380
	CSBM0020	C	005C	0348
08	CSBM110B	C	0001	0198
	CSBM1790	C	0058	0347
	CSBM210B	C	0040	0183
09	CSBM20P	C	00F7	0366
	CSBM2222	C	002C	0314
	CSBM32X9	C	002B	0326
10	CSBM3209	C	002A	0325
	CSBM321X	C	0026	0321
	CSBM321Y	C	0029	0324
11	CSBM3210	C	0022	0317
	CSBM3211	C	0023	0318
	CSBM3212	C	0024	0319
12	CSBM3213	C	0025	0320
	CSBM3214	C	0028	0323
	CSBM3260	C	0059	0346
13	CSBM3275	C	0050	0336
	CSBM3280	C	0051	0337
	CSBM3282	C	005E	0350
14	CSBM3285	C	0052	0338
	CSBM3286	C	005D	0349
	CSBM3287	C	0053	0339
15	CSBM3288	C	0054	0340
	CSBM3289	C	005A	0345
	CSBM3290	C	0020	0315
16	CSBM3295	C	0021	0316
	CSBM3299	C	0027	0322
	CSBM3301	C	0055	0341
17	CSBM3302	C	0056	0342
	CSBM3303	C	0057	0343
	CSBM3304	C	0058	0344
18	CSBM4689	C	00F9	0368
	CSBM4690	C	00FA	0369
	CSBM4691	C	00F1	0360
19	CSBM4692	C	00F2	0361
	CSBM4693	C	00F3	0362
20	CSBM4694	C	00F4	0363

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SYMBOL	T	LEN	VALUE	DEFN	R	
01						
02	CSBM4695	C	00F5	0364		
03	CSBM4696	C	00F6	0365		
	CSBM4697	C	00F8	0367		
04	CSBM4698	C	00FB	0370		
	CSBM4699	C	00FC	0371		
	CSBM9999	C	0000	0327		
05	CSBQHDR	C	002E	0384	03	
	CSB1	C	0001	3115		
	CSB2	C	0002	3116		
06	CSCALL	C	0080	1924		
	DEAHIGH	C	0000	3143	31	
	DEANEXT	C	0002	3145		
07	DEASTZE	C	0001	3144	31	
	DEQUEUE	C	0020	0732	34	
	DETACH	C	0001	00FF	3146	31
08	DSABL	C	0080	3097	31	
	DTCLENG	A	0A1A	3364	33	
	DTCLDRK	A	002	0E7D	3893	33
09	DTCC0001	A	002	0E7F	3894	32
	DTCC0008	A	002	0EA7	3899	36
	DTCC0000	A	002	0EA8	3898	32
	DTDCSTZE	A	001	0DA8	3810	33
10	DTDCSS	A	002	0DA7	3809	33
	DTDEALLO	A	001	0D50	3783	33
11	DTERRDR	A	001	0D34	3766	36
	DTERR010	A	003	0D4C	3775	37
	DTF	C	001	0002	3056	
12	DTMAP	A	002	0E7B	3892	37
	DTSV*BYT	A	005	0DAD	3814	37
	DTSVARR	C	001	0011	3149	31
13	DTSVCHAN	A	005	0DAA	3812	37
	DTSVELM	A	005	0DAD	3811	37
	DTSVLEN	C	001	0013	3151	38
14	DTSVREG	C	001	000F	3148	31
	DTSVS12	C	001	0012	3150	31
	DTSVSSVL	A	005	0DAC	3813	38
15	DT00A107	A	003	0AA5	3442	34
	DT00B107	A	003	0AB7	3448	34
	DT000010	A	003	082F	3185	31
16	DT000011	A	003	0871	3208	31
	DT000012	A	005	087F	3212	32
	DT000013	A	004	0898	3219	32
17	DT000014	A	004	0886	3241	32
	DT000015	A	003	08C1	3248	31
	DT000030	A	003	08CB	3251	33
18	DT000031	A	004	08DA	3256	32
	DT000036	A	005	0911	3272	32
	DT000040	A	003	0923	3277	32
19	DT000042	A	004	093A	3284	32
	DT000055	A	003	0945	3287	32
20	DT000060	A	004	094F	3290	32

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	004A	2711	TUBRFSS	EQU	TUBATTR9+2 REJECT FILE - SS
	004B	2712	TUBRFN	EQU	TUBRFSS+1 REJECT FILE - NUMBER SECTORS
	004C	2713	TUBRFCSS	EQU	TUBRFN+1 REJECT FILE - CURRENT SECTOR
03	004D	2714	TUBRFDSP	EQU	TUBRFCSS+1 REJECT FILE - RELATIVE DISPLACEMENT
					2715 *
04	004E	2716	TUBCMSK1	EQU	TUBRFDSP+1 FIRST COMMAND KEY MASK BYTE
	0080	2717	TUBCMD8	EQU	X'80' ENABLE COMMAND KEY 8
	0088	2718	TUBCMD3	EQU	X'88' ENABLE COMMAND KEY 3

ERR LOC	OBJECT CODE	ADDR
01		
02	0004	
	0002	
03	0001	
	0055	
	0057	
04	0054	

CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	CSBM4695	C	001	00F5	0364	
	CSBM4696	C	001	00F6	0365	
	CSBM4697	C	001	00F8	0367	
04	CSBM4698	C	001	00FB	0370	
	CSBM4699	C	001	00FC	0371	
	CSBM9999	C	001	0000	0327	
05	CSBQHDR	C	001	002E	0384	0385
	CSB1	C	001	0001	3115	
	CSB2	C	001	0002	3116	
06	CSCALL	C	001	0080	1924	
	DEAHTGH	C	001	0000	3143	3144
	DEANEXT	C	001	0002	3145	
	DEASIZE	C	001	0001	3144	3145
07	DEQUEUE	C	001	0020	0732	3468 3532 3540 3547
	DETACH	C	001	00FF	3146	3172 3190 3263 3350
	DSABL	C	001	0080	3097	3185 3591 3760 3917
08	DTCLENG	A	001	0A1A	3364	3359* 3362
	DTCWORK	A	002	0E7D	3893	3361* 3362* 3363 3767* 3773* 3774 3777
	DTCO0001	A	002	0E7F	3894	3212 3272 3337 3386 3398 3460 3606 3683 3706 3773
09	DTCO0008	A	002	0EA7	3899	3684
	DTCO0800	A	002	0EA8	3898	3213 3899
10	DTDCSIZE	A	001	0DA8	3810	3314* 3408* 3520* 3651* 3657* 3667* 3801* 3819 3820 3832 3839 3865 3871* 3879
	DTDCSS	A	002	0DA7	3809	3313* 3407* 3519* 3652* 3790
11	DTDEALLO	A	001	0D5D	3783	3322 3409 3521 3653
	DTERROR	A	001	0D34	3766	3616 3629 3637 3673
	DTERO010	A	003	0D4C	3775	3772
	DTF	C	001	0002	3056	
12	DTMAP	A	002	0E7B	3892	3709
	DTSVMBYT	A	005	0DAD	3814	3796* 3825* 3826 3827 3828 3848*
	DTSVARR	C	001	0011	3149	3150 3866* 3872
13	DTSVCHAN	A	005	0DAA	3812	3798 3813 3851 3852 3859
	DTSVELM	A	005	0DAD	3811	3788* 3812 3823*
	DTSVLEN	C	001	0013	3151	3856 3876
14	DTSVREG	C	001	000F	3148	3149 3864* 3873
	DTSVSI2	C	001	0012	3150	3151 3865* 3871
	DTSVSSVL	A	005	0DAC	3813	3814 3815 3816
15	DT00A107	A	003	0AA5	3442	3431
	DT00B107	A	003	0AB7	3448	3443
	DT000010	A	003	082F	3185	3173 3179
16	DT000011	A	003	0871	3208	3199
	DT000012	A	005	087F	3212	3214
	DT000013	A	004	0898	3219	3217
17	DT000014	A	004	0886	3241	3235
	DT000015	A	003	08C1	3248	3191 3228 3242
	DT000030	A	003	08CB	3251	3300
18	DT000031	A	004	08DA	3256	3254
	DT000036	A	005	0911	3272	3257
	DT000040	A	003	0923	3277	3289
19	DT000042	A	004	093A	3284	3282
	DT000055	A	003	0945	3287	3279 3285
20	DT000060	A	004	094F	3290	3273*

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01	*SVAU	TCB CHANGE	ORG OR DETACH	TRANSIENT
02	ERR LOC	OBJECT CODE	ADDR	STMT SOURCE STATEMENT
				0004 2765 TUBMCOUT EQU X'04' . ENTER HAS BEEN PRESSED AT THE SUBCNLS
				0002 2766 TUBNOSUB EQU X'02' . ASSIGN NOSUB ACTIVE ON THIS DEVICE
03				0001 2767 TUBMOD EQU X'01' . PERFORM READ MODIFIED
				0055 2768 TUBMSGID EQU TUBATTRA+1 NEXT REPLY ID TO USE AT SUBCONSOLE
				0057 2769 TUBDMATX EQU TUBMSGID+2 ADDRESS OF SUBCONSOLE MATRIX

CROSS-REFERENCE

02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	DT000070	A	003	0953	3291	3292
	DT000080	A	004	0968	3297	3298
	DT000085	A	003	096C	3298	3299
04	DT000086	A	003	0976	3304	3305
	DT000087	A	005	0992	3313	3314
	DT000088	A	003	0984	3330	3331
05	DT000090	A	005	09CE	3337	3338
	DT000095	A	003	09F7	3356	3357
	DT000100	A	003	09ED	3349	3350
06	DT000105	A	003	0A24	3374	3375
	DT000107	A	004	0A4E	3397	3398
	DT000108	A	003	0A8C	3428	3429
	DT000109	A	004	0A98	3435	3436
07	DT000110	A	001	0B12	3511	3512
	DT000115	A	005	0B18	3519	3520
	DT000120	A	004	0B25	3526	3527
08	DT000130	A	003	0B61	3569	3570
	DT000140	A	003	0B64	3570	3571
	DT000150	A	004	0B77	3583	3584
09	DT000200	A	003	0B8A	3600	3601
	DT000240	A	005	0BA0	3606	3607
	DT000245	A	004	0BBA	3616	3617
10	DT000250	A	003	0BBF	3618	3619
	DT000255	A	003	0BD8	3631	3632
	DT000257	A	003	0BE4	3635	3636
11	DT000260	A	004	0BEF	3645	3646
	DT000270	A	005	0BF6	3651	3652
	DT000280	A	004	0C33	3677	3678
12	DT000290	A	005	0C3C	3683	3684
	DT000300	A	005	0C4C	3692	3693
	DT000310	A	004	0C54	3694	3695
13	DT000330	A	005	0C8C	3710	3711
	DT000340	A	005	0C91	3711	3712
	DT000345	A	004	0CA5	3717	3718
14	DT000350	A	005	0CB0	3720	3721
	DT000355	A	005	0CBF	3724	3725
	DT000360	A	004	0CD2	3729	3730
15	DT000365	A	005	0CE8	3736	3737
	DT000370	A	004	0CF6	3743	3744
	DT000380	A	003	0D06	3748	3749
16	DT000200	A	003	0ABD	3454	3455
	DT000210	A	004	0AE4	3478	3479
	DT0002020	A	003	0B00	3497	3498
17	ECMACTV	C	001	0080	0415	
	ECMCMPL	C	001	0040	0416	
	ECMCPDCL	C	001	0025	0410	
18	ECMCSB	C	001	0027	0412	
	ECMGSW	C	001	0003	0423	
	ECMINDQ	C	001	0022	0407	
19	ECMIDERR	C	001	0021	0406	
	ECMLDCK	C	001	0010	0418	
20	ECMMASK	C	001	0001	0414	

CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
03	DT000070	A	003	0953	3291 3275
	DT000080	A	004	0968	3297 3295
	DT000085	A	003	096C	3298 3264 3269 3271 3292
	DT000086	A	003	0976	3304 3326
04	DT000087	A	005	0992	3313 3308 3311
	DT000088	A	003	0984	3330 3305
	DT000090	A	005	09CE	3337 3339
05	DT000095	A	003	09F7	3356 3373
	DT000100	A	003	09ED	3349 3347
	DT000105	A	003	0A24	3374 3357
06	DT000107	A	004	0A4E	3397 3376 3378 3380 3382 3387
	DT000108	A	003	0A8C	3428 3416
	DT000109	A	004	0A98	3435 3429
07	DT000110	A	001	0B12	3511 3498
	DT000115	A	005	0B18	3519 3449
	DT000120	A	004	0B25	3526 3447
08	DT000130	A	003	0B61	3569 3552
	DT000140	A	003	0B64	3570 3578
	DT000150	A	004	0B77	3583
09	DT000200	A	003	0B8A	3600 3351
	DT000240	A	005	0B80	3606 3608
	DT000245	A	004	0B8A	3616 3267
10	DT000250	A	003	0BBF	3618 3611
	DT000255	A	003	0BD8	3631 3624
	DT000257	A	003	0BE4	3635 3632
11	DT000260	A	004	0BEF	3645 3620 3634 3636
	DT000270	A	005	0BF6	3651
	DT000280	A	004	0C33	3677 3659
12	DT000290	A	005	0C3C	3683 3646
	DT000300	A	005	0C4C	3692 3685
	DT000310	A	004	0C54	3694 3692*
13	DT000330	A	005	0C8C	3710 3705* 3706* 3707 3707* 3708 3708* 3709*
	DT000340	A	005	0C91	3711 3701
	DT000345	A	004	0CA5	3717 3713
14	DT000350	A	005	0CB0	3720 3716 3718
	DT000355	A	005	0CBF	3724 3722
	DT000360	A	004	0CD2	3729 3727
15	DT000365	A	005	0CE8	3736 3731 3733
	DT000370	A	004	0CF6	3743 3736*
	DT000380	A	003	0D06	3748 3746
16	DT002000	A	003	0ABD	3454 3492
	DT002010	A	004	0AE4	3478 3461
	DT002020	A	003	0B00	3497 3456
17	ECMCTV	C	001	0080	0415
	ECMCHPL	C	001	0040	0416
	ECMCPACL	C	001	0025	0410
18	ECMCSB	C	001	0027	0412
	ECMGGW	C	001	0003	0423
	ECMTINQ	C	001	0022	0407
19	ECMIOERR	C	001	0021	0406
	ECMLOCK	C	001	0010	0418
20	ECMMASK	C	001	0001	0414

H23

*SVAU TCB CHANGE ORG OR DETACH TRANSIENT					
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02			2816	*	EQU X'02' . RESERVED
			2817	*	EQU X'01' . RESERVED
03			0030		TUBPLEN EQU TUBDPRST+1 LENGTH OF A BASIC PRINTER TUB
			2819		*****
			2820	*	PRINTER TUB ADDITION *
			2821		*****

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02	SYMBOL	T	LEN	VALUE	DEFN	REFERE
03	ECMWSKIP	C	001	0080	0403	
	ECMPARM	C	001	0000	0402	
	ECMREAL	C	001	0040	0404	
04	ECMSYSLG	C	001	0028	0413	
	ECMTAS	C	001	0026	0411	
	ECMTIMER	C	001	0024	0409	
	ECMTRM	C	001	0023	0408	
05	ECMTTC	C	001	0020	0405	
	EIGHT	C	001	0008	3071	
	EN1066	A	001	00CE	3932 3922	
06	FALSE	C	001	0090	3075	
	FIFO	C	001	0000	0737 0739	
	FIVE	C	001	0005	3068	
07	FOUR	C	001	0004	3067	
	FSBDATT1	C	001	0009	0666 0681	
	FSBDATT2	C	001	000A	0681 0692	
08	FSBDATT3	C	001	000F	0696 0706	
	FSBDATT4	C	001	0013	0717 0724	
	FSBDEXVL	C	001	0012	0714 0717	
09	FSBDFCHN	C	001	000C	0692 0694	
	FSBDFIPT	C	001	000E	0694 0696	
	FSBDNAME	C	001	0007	0660 0662	
10	FSBDRES1	C	001	0017	0724 0726	
	FSBDSHAR	C	001	0008	0662 0666	
	FSBLLNTH	C	001	0010	0706 3486	
11	FSBLTYP2	C	001	0018	0726	
	FSBMADD	C	001	0001	0704	
	FSBMALLC	C	001	0020	0669	
12	FSBMAYPS	C	001	0008	0722	
	FSBMCLD	C	001	0040	0698	
	FSBMCOMP	C	001	0020	0699	
13	FSBMDFIL	C	001	0080	0718	
	FSBMDFLY	C	001	0040	0719	
	FSBMDFLB	C	001	0020	0684	
14	FSBMDFLD	C	001	0010	0670	
	FSBMDFPNJ	C	001	0008	0671	
	FSBMDFPSR	C	001	0004	0672	
15	FSBMFKAS	C	001	0002	0677	
	FSBMIFIL	C	001	0020	0720	
	FSBMIFLY	C	001	0010	0721	
16	FSBMIIPT	C	001	0008	0701	
	FSBMIIISH	C	001	00FF	0663	
	FSBMKEYS	C	001	0008	0686	
17	FSBMKYST	C	001	0040	0683	
	FSBMLBST	C	001	0002	0688	
	FSBMLNBK	C	001	0080	0667	
18	FSBMLNFAL	C	001	0080	0682	
	FSBMLNFM	C	001	0010	0700	
	FSBMLNPD	C	001	0080	0697	
19	FSBMLNPT	C	001	0004	0702	
	FSBMLNRF	C	001	00FE	0664	
20	FSBMLNSTZ	C	001	0040	0668	

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01		CROSS-REFERENCE									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES					
03	FSBMSNLB	C	001	0010	0685						
	FSBMTYP2	C	001	0001	0679						
	FSBMUPD	C	001	0002	0703						
	FSBMUSED	C	001	0004	0687						
04	FIADATTR	C	001	0022	0553	0568					
	FIADATT1	C	001	0020	0548	0551					
	FIADATT2	C	001	0023	0568	0577					
05	FIADBLKN	C	001	0012	0494						
	FIADCONT	C	001	0021	0551	0553					
	FIADDATE	C	001	0008	0443	0445	0447				
06	FIADDFLG	C	001	0000	0436	0439					
	FIADDFQ	C	001	0027	0578	0580	0592	0604	0618	0647	
	FIADENDA	C	001	0018	0510	0512					
07	FIADFCHN	C	001	001F	0546	0548	0623	3467			
	FIADHIGH	C	001	0010	0491						
	FIADHOKY	C	001	0039	0602	0604	0613				
08	FIADKBKT	C	001	0038	0613	0615					
	FIADKEYL	C	001	0028	0592	0594					
	FIADKEYO	C	001	002A	0594	0596					
09	FIADLABL	C	001	0008	0439	0443					
	FIADLBOW	C	001	0011	0497	0499					
	FIADLBUS	C	001	0012	0499	3398*	3460*				
10	FIADLSTK	C	001	002E	0596	0598					
	FIADLSTP	C	001	0035	0600	0602					
	FIADLSTR	C	001	0015	0501	0503	0505	0508			
11	FIADOWNR	C	001	0025	0577	0578					
	FIADPCBQ	C	001	003D	0615	0616					
	FIADRECL	C	001	000F	0489	0491	0494	0495	0497		
12	FIADRECN	C	001	0012	0495	0501					
	FIADRES3	C	001	003F	0616	0621					
	FIADRFED	C	001	0027	0580						
13	FIADRFST	C	001	0015	0505						
	FIADSDIR	C	001	000B	0445						
	FIADSFGL	C	001	000D	0457	0489					
14	FIADSMEM	C	001	0015	0503						
	FIADSTDA	C	001	0018	0508	0510					
	FIADSTIX	C	001	0031	0598	0600					
15	FIADTYPE	C	001	000C	0447	0457					
	FIADVTOC	C	001	001D	0512	0537	0546	0641			
	FIALLGCD	C	001	0028	0618						
16	FIALLGIN	C	001	0040	0621						
	FIALLGLB	C	001	0020	0623	3472					
	FIALIVTA	C	001	001E	0537						
17	FIALZVTA	C	001	0012	0604						
	FIAMBLRN	C	001	0080	0492						
	FIAMCKPT	C	001	0040	0572						
18	FIAMCONS	C	001	0040	0449						
	FIAMDIRC	C	001	0020	0450						
	FIAMDITC	C	001	0020	0573						
19	FIAMDIFG	C	001	0004	0562						
	FIAMDPCK	C	001	0010	0465						
20	FIAMGASK	C	001	0008	0575						

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01		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT									
02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT			
03	00820000				0027	2896	TWA#STAT	EQU 39	.	STATUS SAVE AREA (39-50)	
					0033	2897	TWA#ERPS	EQU 51	TAG 51-	I/O ERP SAVE AREA FOR MSG BUILD	
						2898	*	52	TAG 52-	RESERVED THRU 59	
03					003C	2899	TWA#CSMQ	EQU 60	TAG 60-	CONSOLE SYSLOG MESSAGE QUEUE.	
						2900	*	119	TAG 119-	END OF CONSOLE MESSAGE QUEUE.	
						2901	*				
04						2902	*		TWA EXTENSION ELEMENT EQUATES		

01		CROSS-REFERENCE										01	
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES	02	SYMBOL	T	LEN	VALUE	DEFN	
03	JCBDELNG	C	001	0010	1049	3503	03	JCBLLNTH	C	001	0070	1031	
	JCBDEERSV	C	001	000F	1048	1049	03	JCBMBTCH	C	001	0010	0884	
	JCBDEXTA	C	001	0031	0961	0963 3497 3499		JCBMDEAD	C	001	0008	0874	
04	JCBDFINB	C	001	0050	0985	0987	04	JCBMDKAL	C	001	0020	0903	
	JCBDFMND	C	001	004C	0979	0981		JCBMDOPD	C	001	0002	0876	
	JCBDFSFB	C	001	0014	0931	0933		JCBMDPRD	C	001	0004	0886	
05	JCBDFSBL	C	001	0012	0929	0931 3455 3458 3481 3482*	05	JCBMDSRC	C	001	0001	0898	
	JCBDINIT	C	001	0000	0844	0856 3446		JCBMEIBA	C	001	0001	1022	
	JCBDINLK	C	001	0005	0900	0910		JCBMEOMP	C	001	0004	0896	
	JCBDINT2	C	001	0001	0856	0869	06	JCBMEVPR	C	001	0004	1020	
06	JCBDJBID	C	001	0047	0975	0977		JCBMEVTD	C	001	0001	0951	
	JCBDJBRG	C	001	0057	0995	0997 0998 3236		JCBMFLIS	C	001	0040	1016	
	JCBDJOBN	C	001	0061	1001	1003	07	JCBMFLUC	C	001	0010	0873	
	JCBDJQST	C	001	005A	0998	0999		JCBMHIRC	C	001	0030	0859	
	JCBDLANG	C	001	0062	1004	1014	07	JCBMICRC	C	001	0008	0885	
	JCBDLCLa	C	001	006F	1029			JCBMINTK	C	001	0010	1018	
08	JCBDLNPG	C	001	0048	0977	0979	08	JCBMINTQ	C	001	0002	0887	
	JCBDLPI#	C	001	0006	1043	1048		JCBMINTK	C	001	0010	1018	
	JCBDMENF	C	001	005E	0997	1001	09	JCBMIPRC	C	001	0008	0863	
09	JCBDMENL	C	001	0045	0973	0975		JCBMIST	C	001	0020	1007	
	JCBDMENU	C	001	0043	0972	0973		JCBMLOPR	C	001	0010	0861	
	JCBDMFTF	C	001	004E	0983	0985	10	JCBMOPR	C	001	0020	0860	
10	JCBDPDAT	C	001	000C	0922	0924		JCBMNEXT	C	001	0010	1008	
	JCBDPG1L	C	001	003B	0967	0968		JCBMNRRT	C	001	0008	0851	
	JCBDPG2L	C	001	003D	0968	0969	11	JCBMONT	C	001	0001	0888	
11	JCBDPLST	C	001	0005	1041	1043		JCBMNSC	C	001	0004	0852	
	JCBDPRG1	C	001	0033	0963	0964		JCBMNRTP	C	001	0001	0867	
	JCBDPRG2	C	001	0035	0964	0965	12	JCBMNTER	C	001	0020	0848	
12	JCBDPROG	C	001	0028	0941	0943		JCBMNTRA	C	001	0080	0845	
	JCBDPSBP	C	001	0018	0935	0937		JCBMOPCL	C	001	0080	0880	
	JCBDRGSZ	C	001	002A	0953	0955 3236* 3241 3243	13	JCBMPPIS	C	001	0020	1017	
13	JCBORTCD	C	001	002F	0959	0961		JCBMPPNP	C	001	0020	0883	
	JCBDSCHI	C	001	0002	0869	0879		JCBMPPRTY	C	001	0040	0881	
	JCBDSCH2	C	001	0003	0879	0890	14	JCBMPPUCL	C	001	0080	0870	
14	JCBDSCH3	C	001	0004	0890	0900		JCBMRCSM	C	001	0004	0906	
	JCBDSCH4	C	001	0063	1014	1024 3415 3417* 3735*		JCBMRDVC	C	001	0010	0904	
	JCBDSCH5	C	001	0062	1003	1004	15	JCBMRDUJ	C	001	0008	0905	
15	JCBDSLCL	C	001	004D	0981	0983		JCBMREGN	C	001	0080	0857	
	JCBDSLRL	C	001	0055	0991	0993		JCBMREST	C	001	0010	0894	
	JCBDSLQB	C	001	002D	0957	0959	16	JCBMRINQ	C	001	0002	0897	
16	JCBDSLST	C	001	000E	0924	0928		JCBMRCLL	C	001	0040	0858	
	JCBDSPID	C	001	005C	0999			JCBMRSET	C	001	0001	0908	
	JCBDSBAb	C	001	0001	1039	1040	17	JCBMRSHAP	C	001	0002	0866	
17	JCBDSSTAT	C	001	0029	0943	0953		JCBMRTHA	C	001	0020	0872	
	JCBDUPSI	C	001	0006	0910	0920		JCBMRTHG	C	001	0040	0846	
	JCBDUR1L	C	001	003F	0969	0970	18	JCBMSCRT	C	001	0008	0895	
18	JCBDUR2L	C	001	0041	0970	0972		JCBMSELT	C	001	0002	0907	
	JCBDUSER	C	001	006D	1026	1028 1029		JCBMSEJQ	C	001	0080	0891	
	JCBDUSR1	C	001	0037	0965	0966	19	JCBMSLNG	C	001	0040	1006	
19	JCBDUSR2	C	001	0039	0966	0967		JCBMSLOG	C	001	0080	0901	
	JCBDWSBP	C	001	0016	0933	0935		JCBMSLOP	C	001	0002	0950	
20	JCBD1PRC	C	001	0020	0937	0941	20	JCBMSOFF	C	001	0040	0892	

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01		*SVAU TCB CHANGE ORG OR DETACH TRANSIENT					01		
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	02	ERR LOC	OBJECT CODE	AD
02	00840000		001D	2965	RCPERR EQU X'1D'	COMMAND PROCESSOR I/O ERROR	02		
			001E	2966	RTTC EQU X'1E'	TASK-TASK COMMUNICATIONS			
03			001F	2967	RCPTC EQU X'1F'	COMMAND PROCESSOR TASK-TASK	03		
			0020	2968	RSETX EQU X'20'	SET EXIT			
			0021	2969	RWDDB EQU X'21'	WSDM TRANSIENT			
			0022	2970	RSVNR EQU X'22'	'			

CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01						
03	JCBLLNTH	C	001	0070	1031	3513
	JCBMBTCH	C	001	0010	0884	
	JCBMDEAD	C	001	0008	0874	
	JCBMDKAL	C	001	0020	0903	
04	JCBMDOMD	C	001	0002	0876	
	JCBMDPRD	C	001	0004	0886	
	JCBMDSRC	C	001	0001	0898	
05	JCBMEIBA	C	001	0001	1022	
	JCBMEOMP	C	001	0004	0896	
	JCBMEVPR	C	001	0004	1020	
06	JCBMEXTD	C	001	0001	0951	
	JCBMFLIS	C	001	0040	1016	
	JCBMFLUC	C	001	0010	0873	
07	JCBMHIPR	C	001	0030	0859	
	JCBMICRC	C	001	0008	0885	
	JCBMINHT	C	001	0010	0850	
08	JCBMINQP	C	001	0002	0887	
	JCBMINTK	C	001	0010	1018	3735
	JCBMIPRC	C	001	0008	0863	
09	JCBMLIST	C	001	0020	1007	
	JCBMLOPR	C	001	0010	0861	
	JCBMDPRC	C	001	0020	0860	
10	JCBMNEXT	C	001	0010	1008	
	JCBMNPRT	C	001	0008	0851	3446
	JCBMNDNT	C	001	0001	0888	
11	JCBMNDSC	C	001	0004	0852	
	JCBMNRTP	C	001	0001	0867	
	JCBMNTER	C	001	0020	0848	
12	JCBMNTRA	C	001	0080	0845	
	JCBMOPCL	C	001	0080	0880	
	JCBMPGIS	C	001	0020	1017	
13	JCBMPNEP	C	001	0020	0883	
	JCBMPPTY	C	001	0040	0881	
	JCBMPUCL	C	001	0080	0870	
14	JCBMRCSM	C	001	0004	0906	
	JCBMRDVC	C	001	0010	0904	
	JCBMRDWU	C	001	0008	0905	
15	JCBMREGN	C	001	0080	0857	
	JCBMREST	C	001	0010	0894	
	JCBMRINQ	C	001	0002	0897	
16	JCBMRCLL	C	001	0040	0858	
	JCBMRSET	C	001	0001	0908	
	JCBMRSHF	C	001	0002	0866	
17	JCBMRTHA	C	001	0020	0872	
	JCBMRUNG	C	001	0040	0846	
	JCBMSCRT	C	001	0008	0895	
18	JCBMSELT	C	001	0002	0907	
	JCBMSEJQ	C	001	0080	0891	
	JCBMSLMG	C	001	0040	1006	
19	JCBMSLOG	C	001	0080	0901	
	JCBMSLOP	C	001	0002	0950	
20	JCBMSOFF	C	001	0040	0892	

02	SYMBOL	T	LEN	VALUE	DEFN
01					
03	JCBMSPCK	C	001	0002	1021
	JCBMSPRT	C	001	0020	0893
	JCBMSRAL	C	001	0008	1019
04	JCBMSYLB	C	001	0080	1005
	JCBMSYSN	C	001	0040	0902
	JCBMTMLK	C	001	0080	1015
05	JCBMUPS1	C	001	0080	0911
	JCBMUPS2	C	001	0040	0912
	JCBMUPS3	C	001	0020	0913
06	JCBMUPS4	C	001	0010	0914
	JCBMUPS5	C	001	0008	0915
	JCBMUPS6	C	001	0004	0916
	JCBMUPS7	C	001	0002	0917
07	JCBMUPS8	C	001	0001	0918
	JCBMUSLB	C	001	0004	0864
	JCBMUKT	C	001	0020	0946
08	JCBMUSK	C	001	0010	0947
	JCBMUINT	C	001	0008	0948
	JCBMULIN	C	001	0040	0945
09	JCBMUPPK	C	001	0004	0949
	JCBMUPNT	C	001	0080	0944
	JCBMUTCD	C	001	0004	0875
10	JCBMUREF	C	001	0040	0871
	JCBMUYDD	C	001	0001	0877
	JCBMULDJ	C	001	0001	0854
11	JCBMULDS	C	001	0002	0853
	JCBMUSCP	C	001	0008	1009
	JCBMULPI	C	001	0004	1044
12	JCBM6LPI	C	001	0006	1045
	JCBM8LPI	C	001	0008	1046
	JCBSLCRT	C	001	EEEE	0926
13	JCBSLOFF	C	001	0000	0925
	JCB1	C	001	0001	3119
14	JCB2	C	001	0002	3120
	JOB1	C	001	0001	3110
	LIFO	C	001	0010	0736
15	MAINT	A	001	0F09	3954
	NINE	C	001	0009	3072
	N0BIT	C	001	0000	3079
16	NOOP	C	001	0080	3078
	NPRV	C	001	0001	3096
	NUMPLBF1	C	001	02E0	1163
17	NUMACEQH	C	001	0100	1137
	NUMADARK	C	001	0700	1210
	NUMAQE	C	001	03A8	1192
18	NUMBAD2K	C	001	07C0	1213
	NUMCPTAH	C	001	0002	1146
	NUMCPTCB	C	001	0200	1145
19	NUMCSETC	C	001	0380	1183
	NUMCXIOB	C	001	01E0	1143
20	NUMDLTQE	C	001	03A0	1190

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01	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
02								
						3010	*	\$LOAD
						3011	*	*****.*****
03						3012	*	MAIN STORAGE RELOCATING LOADER PARAMETER LIST EQUATES
						3013	*	*****
						0002	3014	\$LDSS EQU 2 SS ADDR OF MEMBER
						0003	3015	\$LDTEXT EQU \$LDSS+1 NUMBER OF TEXT SECTORS
04						0005	3016	\$LDLINK EQU \$LDTEXT+2 LINK EDIT ADDRESS

01	ERR	LOC	OBJECT	CODE	ADDR
02					
03					000
					000
04					000
					001

CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01	JCBMSPCK	C	001	0002	1021	
03	JCBMSPR	C	001	0020	0893	
	JCBMSRAL	C	001	0008	1019	
04	JCBMSYLB	C	001	0080	1005	
	JCBMSYSN	C	001	0040	0902	
	JCBMTMLK	C	001	0080	1015	3415 3417
05	JCBMUPS1	C	001	0080	0911	
	JCBMUPS2	C	001	0040	0912	
	JCBMUPS3	C	001	0020	0913	
06	JCBMUPS4	C	001	0010	0914	
	JCBMUPS5	C	001	0008	0915	
	JCBMUPS6	C	001	0004	0916	
	JCBMUPS7	C	001	0002	0917	
07	JCBMUPS8	C	001	0001	0918	
	JCBMUSLB	C	001	0004	0864	
	JCBMUDKT	C	001	0020	0946	
08	JCBMUDSK	C	001	0010	0947	
	JCBMUINT	C	001	0008	0948	
	JCBMULIN	C	001	0040	0945	
09	JCBMUPPX	C	001	0004	0949	
	JCBMUPNT	C	001	0080	0944	
10	JCBMUTCD	C	001	0004	0875	
	JCBMUREF	C	001	0040	0871	
	JCBMYMDD	C	001	0001	0877	
11	JCBMILDJ	C	001	0001	0854	
	JCBMILDS	C	001	0002	0853	
	JCBM1SCP	C	001	0008	1009	
12	JCBM6LPI	C	001	0004	1044	
	JCBM6LPI	C	001	0006	1045	
	JCBM8LPI	C	001	0008	1046	
	JCBSLCRT	C	001	EEEE	0926	
13	JCBSLOFF	C	001	0000	0925	
	JCB1	C	001	0001	3119	3414* 3415 3417 3445* 3446 3454* 3455 3458 3458* 3459 3459* 3460
						3481* 3482 3497 3499 3499* 3509*
14	JCB2	C	001	0002	3120	3234* 3236 3236 3241 3243 3480* 3481 3482 3734* 3735
	JOB1	C	001	0001	3110	
	LIFO	C	001	0010	0736	0738
15	MAINT	A	001	0F09	3954	
	NINE	C	001	0009	3072	
	NOBIT	C	001	0000	3079	
16	NOOP	C	001	0080	3078	
	NPRV	C	001	0001	3096	3728
	NULALBF1	C	001	02E0	1163	1166
17	NULACEQH	C	001	0100	1137	1140
	NULADURK	C	001	0700	1210	
	NULATQE	C	001	03A8	1192	1194
18	NULBADZK	C	001	07C0	1213	
	NULCPTAH	C	001	0002	1146	
	NULCPTCB	C	001	0200	1145	1149 3250 3422 3436 3542 3557 3710
19	NULCSETC	C	001	0380	1183	1185
	NULCXIOB	C	001	01E0	1143	1145
	NULDLTQE	C	001	03A0	1190	1192

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#SVALU TCB CHANGE ORG OR DETACH TRANSIENT					
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
01					
02			3048 *		#EQU
			3049 *		
03			0001	3050	XR1 EQU 1 REGISTER ONE
			0002	3051	XR2 EQU 2 REGISTER TWO
			0004	3052	PSR EQU 4 PROGRAM STATUS REGISTER
			0008	3053	ARR EQU 8 ADDRESS RECALL REGISTER
04			0010	3054	IAR EQU 16 INSTRUCTION ADDRESS REGISTER

00853000 ***** * *****

02	SYMBOL	T	LEN	VALUE	DEFN
01					
03	NULADP1OB	C	001	03D0	1196
	NULADSTQE	C	001	0390	1185
04	NULBRACE	C	001	0310	1169
	NULTEACE	C	001	0370	1181
	NULBPLAF	C	001	03F0	1200
05	NULBLGAC	C	001	0320	1171
	NULLOADI	C	001	2000	1224
	NULSPACE	C	001	0340	1175
06	NULBNTQE	C	001	0398	1188
	NULBPIOB	C	001	01C0	1140
	NULBSSQS	C	001	1000	1221
07	NULBRIOB	C	001	02A8	1160
	NULASCA	C	001	0000	1134
08	NULASPACE	C	001	03E0	1198
	NULASINCE	C	001	0350	1177
09	NULBTIACE	C	001	0330	1173
	NULBTRACE	C	001	0300	1166
	NULBTRBUF	C	001	0700	1208
10	NULBTWQ	C	001	02A3	1157
	NULBTWXL	C	001	0280	1149
	NULBTWXR	C	001	02A2	1151
11	NULBXIENT	C	001	0800	1204
	NULBXIAC	C	001	0000	1132
	NULALBF1	C	001	0020	1164
12	NULACEQH	C	001	0010	1167
	NULADURK	C	001	00C0	1138
	NULADURK	C	001	00C0	1211
13	NULCPTCB	C	001	0080	1147
	NULENIOB	C	001	0020	1141
	NULIPLAF	C	001	0310	1215
14	NULBSSQS	C	001	1000	1222
	NULBRIOB	C	001	0038	1161
	NULASCA	C	001	0100	1135
15	NULBTQE	C	001	0008	1186
	NULBTRBUF	C	001	0100	1207
	NULBTWQ	C	001	0005	1158
16	NULBXIAC	C	001	0023	1150
	NULBXIENT	C	001	0800	1205
	NULBITS	C	001	000F	3080
17	NULBXIAC	C	001	1000	1219
	ONE	C	001	0001	3064
	OP1	C	001	0002	3094
18	OP2	C	001	0004	3093
	PAK2	C	001	0002	3109
	PLIFO	C	001	0040	0425
	PREEPT	C	001	0080	0424
	PRIOR	C	001	0080	0734
	PRIORF	C	001	0080	0739
20	PRIORL	C	001	0090	0738

CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01					
02					
03	PRM1	C	001	3101	3171 3174
	PRM2	C	001	0002	3102
	PRV	C	001	0000	3095 3185 3725 3760 3917
04	PSH1	C	001	0001	3137 3316*
	PSH2	C	001	0002	3138 3276* 3277 3278 3280 3281 3287 3288 3288* 3306* 3307 3309 3310
					3313 3315 3316
05	PSR	C	001	0004	3052
	PUSHBEGL	C	001	0006	1236 1238
	PUSHCORE	C	001	0007	1238 1240 3278 3310
06	PUSHIND	C	001	0004	1231 1235 3277 3280 3307 3309
	PUSHLEN	C	001	0008	1240 3319
	PUSHNONS	C	001	0080	1239 3278 3310
07	PUSHOCH	C	001	0001	1229 1230 3281 3287 3288 3315
	PUSHOSS	C	001	0003	1230 1231 3313
	PUSHPART	C	001	0080	1232 3277 3307
08	PUSHTSSN	C	001	0005	1235 1236
09	QCPWAIT	C	001	0008	1918
	QCFMEXM	C	001	0004	1915
	QHDCILK	C	001	004E	0787
	QHDCNLG	C	001	004C	0786
	QHDCOMM	C	001	0008	0751
	QHDCOM1	C	001	005C	0794
	QHDCOM2	C	001	005E	0795
	QHDCOM3	C	001	0060	0796
	QHDCOM4	C	001	0062	0797
	QHDCPOCL	C	001	0054	0790
	QHDCSB	C	001	0072	0805
	QHDCSCQ	C	001	0058	0792
	QHDCXNT	C	001	0018	0759
	QHDDILK	C	001	0064	0798
13	QHDETB	C	001	00A0	0824
	QHDERB	C	001	0074	0806
	QHDEXAM	C	001	00A6	0827
	QHDEXTRA	C	001	009A	0821
	QHDFD	C	001	0000	0747
	QHDFDA	C	001	0030	0771
	QHDFDB	C	001	0032	0772
	QHDFDC	C	001	0034	0773
	QHDFDD	C	001	0036	0774
	QHDFLF	C	001	00A4	0826
	QHDFGW	C	001	0076	0807
	QHDHI	C	001	0001	0731
	QHDHIST	C	001	006E	0803
	QHDINQEX	C	001	0090	0816
	QHDIOXNT	C	001	000A	0752
	QHDIO	C	001	0002	0748
	QHDIOA	C	001	0038	0775
	QHDKBTR	C	001	001E	0762
	QHDL0AD	C	001	001C	0761
	QHDL0C	C	001	007A	0809
	QHDMTI	C	001	00A8	0828
	QHDSACE	C	001	00A2	0825
20					

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01					
02					
03	QHDNULL	C	001	0000	0730
	QHDPDLH	C	001	00AA	0829
	QHDPILK	C	001	006C	0802
	QHDPRIQ	C	001	0044	0782 3538
04	QHDPRT	C	001	0004	0749
	QHDPRT1	C	001	0020	0763
	QHDPRT2	C	001	0022	0764
	QHDPRT3	C	001	0024	0765
	QHDPRT4	C	001	0026	0766
	QHDPRT5	C	001	0028	0767
	QHDPRT6	C	001	002A	0768
	QHDPRT7	C	001	002C	0769
	QHDPRT8	C	001	002E	0770
07	QHDSQUAL	C	001	0092	0817
	QHDSFILK	C	001	0052	0789
	QHDSPT	C	001	0094	0818
	QHDSCT	C	001	0096	0819
	QHDSSEC	C	001	0078	0808
	QHDSILK	C	001	0066	0799
09	QHDSNA	C	001	007E	0811
	QHDSPLK	C	001	00AC	0830
	QHDSPTCB	C	001	0041	0780
10	QHDSQB	C	001	0056	0791
	QHDSQE	C	001	004A	0785
	QHDSQS	C	001	0082	0813
	QHDSQSPT	C	001	0070	0804
	QHDSUBCN	C	001	009C	0822
	QHDSUBRA	C	001	009E	0823
12	QHDTCBQ	C	001	0046	0783 3530
	QHDTIMEA	C	001	003E	0779
	QHDTIMER	C	001	003C	0778
13	QHDTM	C	001	0050	0788
	QHDTTC	C	001	0048	0784 3425 3439
	QHDTUB	C	001	005A	0793
14	QHDTWA	C	001	001A	0760
	QHDTWAF1	C	001	0098	0820
	QHDTVILK	C	001	0068	0800
15	QHDSVC	C	001	0006	0750
	QHDSVQS	C	001	0080	0812
	QHDSVTC	C	001	0042	0781
16	QHDX21	C	001	00AE	0831
	QHDSILK	C	001	006A	0801
	QHWAIT	C	001	0008	1917 1925 1926
17	QHWPRI	C	001	0018	1926
	QINQ	C	001	0010	1920 1925 1926
	QINQW	C	001	0019	1925
18	QWREF	C	001	0002	1912
	QWREFRESH	C	001	0001	1911
	QWSEC	C	001	0010	1919
19	QWSEC	C	001	0009	1927
	QWYSREQ	C	001	0004	1914
20	QWEXM	C	001	0008	1916

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	00860000		3153 *	IDMAC NAME	='SVAU',ATTR-C00800, JUMP-Y,RLD-D
	00870000		3154	LEVEL 08	RELEASE LEVEL
	00880000		3155	ATTR C00800	LIBRARY ATTRIBUTES
03	00890000		3156	RLD D	RLD OPTION
	00900000		3157	MRT 00	MRT OPTION
04	00910000	0800 F2 87 06	3158	J *+9	JUMP AROUND MAIN STORE CONSTANTS
	00920000				
	00930000	0803 7BE2E5C1E4	0807 3159	DC CL5*'SVAU'	MDL... F NAME
	00940000	0808 08	0808 3160	DC XL1'08'	RELEASE LEVEL
05	00950000				
	00960000				
					3162 *** END OF EXPANSION ***

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					
02	0859 5E 01 18 18				3202
	085D 5C 00 18 1A				3203
	0861 5E 00 1A 1A				3204
03	0865 5E 00 1A 1A				3205
	0869 5E 00 1A 1A				3206
04	0860 5F 00 18 1A				3207
	0871 7C FF 27				3208 DT0000
	0874 6E 00 27 15				3209
	0878 5E 00 18 27				3210
05	087C 7C 00 26				3211
	087E 4E 00 26 0E7E				3212 DT0000

CROSS-REFERENCE					
	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01					
02					
03	QHDNULL	C	001	0000	0730
	QHDPDLH	C	001	00AA	0829
	QHDPILK	C	001	006C	0802
04	QHDPRIQ	C	001	0044	0782 3538
	QHDPPT	C	001	0004	0749
	QHDP1	C	001	0020	0763
	QHDP2	C	001	0022	0764
05	QHDP3	C	001	0024	0765
	QHDP4	C	001	0026	0766
	QHDP5	C	001	0028	0767
06	QHDP6	C	001	002A	0768
	QHDP7	C	001	002C	0769
	QHDP8	C	001	002E	0770
07	QHQUAIL	C	001	0092	0817
	QHDFILK	C	001	0052	0789
	QHDPRT	C	001	0094	0818
08	QHDSCT	C	001	0096	0819
	QHDSSEC	C	001	0078	0808
	QHDSILK	C	001	0066	0799
09	QHDSNA	C	001	007E	0811
	QHDSPLK	C	001	00AC	0830
	QHDSPTCB	C	001	0041	0780
10	QHDSQB	C	001	0056	0791
	QHDSQE	C	001	004A	0785
	QHDSQS	C	001	0082	0813
11	QHDSQSPT	C	001	0070	0804
	QHDSUBCN	C	001	009C	0822
	QHDSUBRA	C	001	009E	0823
12	QHDTCBQ	C	001	0046	0783 3530
	QHDTIMEA	C	001	003E	0779
	QHDTIMER	C	001	003C	0778
13	QHDTM	C	001	0050	0788
	QHDTTC	C	001	0048	0784 3425 3439 3560
	QHDTUB	C	001	005A	0793
14	QHDTWA	C	001	001A	0760
	QHDTWAF1	C	001	0098	0820
	QHDIILK	C	001	0068	0800
15	QHDIJSC	C	001	0006	0750
	QHDIJQS	C	001	0080	0812
	QHDXIENT	C	001	0042	0781
16	QHDXZ1	C	001	00AE	0831
	QHDSILK	C	001	006A	0801
	QHHAIT	C	001	0008	1917 1925 1926 1927
17	QHCHPRI	C	001	0018	1926
	QHQA	C	001	0010	1920 1925 1926
	QHQQV	C	001	0019	1925
18	QHREF	C	001	0002	1912
	QHREFRESH	C	001	0001	1911
	QSCT	C	001	0010	1919
19	QSPEC	C	001	0009	1927
	QSYSREQ	C	001	0004	1914
20	QTOEXM	C	001	0008	1916

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01					
02					
03	QUEUE	C	001	0000	0733
	QUE1	C	001	0001	3139 3
	QUE2	C	001	0002	3140 3
04	QHAIT	C	001	0001	1910 19
	QXLOFF	C	001	0004	1913
	QXR2	C	001	0020	1921
	QXU	C	001	0040	1922
05	QO	C	001	0000	1923 3
	Q1	C	001	0001	1909 35
06	RAFA	C	001	001A	2962
	RALLOC	C	001	000C	2948
	RBSARR	C	001	0007	1247 12
07	RBSCHAIN	C	001	0001	1244 12
	RBSIAR	C	001	0009	1248 12
	RBSINL1	C	001	000E	1252 12
08	RBSINL2	C	001	000F	1253 12
	RBSINL3	C	001	0010	1254 12
	RBSINL4	C	001	0011	1255 12
09	RBSLEN	C	001	0012	1256 31
	RBSPMR	C	001	000A	1249 12
	RBSPSR	C	001	000B	1250 12
	RBSRQ	C	001	000D	1251 12
11	RBSTLEN	C	001	0030	1259 35
	RBSADRK	C	001	002F	1258 12
	RBSADRS	C	001	0012	1257
12	RBSXR1	C	001	0003	1245 12
	RBSXR2	C	001	0005	1246 12
	RB1	C	001	0001	3121 35
13	RB2	C	001	0002	3122 31
					32
					36
					37
14	RCHKPT	C	001	0030	2984
	RCLDSE	C	001	0003	2939
15	RCMD	C	001	002C	2980
	RCPEER	C	001	001D	2965
	RCPR1	C	001	0015	2957
16	RCPTC	C	001	001F	2967
	RDALOC	C	001	0000	2949
	RDMCALL	C	001	0013	2955
17	REQJ	C	001	0004	2940
	REXTND	C	001	002E	2982
	REXTNP	C	001	003B	2995
18	REXTRA	C	001	0037	2991
	RFIND	C	001	0001	2937
	RFINDLIB	C	001	0019	2961
19	RGLFAC	C	001	003A	2994
	RELFR	C	001	0039	2993
20	RTB1	C	001	0001	3103 37

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
01					

01		CROSS-REFERENCE									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES					
03	QUEUE	C	001	0000	0733						
	QUE1	C	001	0001	3139	3363*					
	QUE2	C	001	0002	3140	3358* 3359 3360 3360* 3361					
	QWAIT	C	001	0001	1910	1925 1927 3590 3947					
04	QXLOFF	C	001	0004	1913						
	QXRZ	C	001	0020	1921						
	QXU	C	001	0040	1922						
05	QD	C	001	0000	1923	3164 3181 3318 3366 3389 3403 3424 3438 3465 3471 3485 3502 3512 3529 3537 3544 3559 3574 3586 3687 3744 3763 3780 3875					
	Q1	C	001	0001	1909						
06	RAFA	C	001	001A	2962						
	RALLOC	C	001	000C	2948						
	RBSARR	C	001	0007	1247	1248					
07	RBSCHAIN	C	001	0001	1244	1245 3571 3572					
	RBSIAR	C	001	0009	1248	1249 3757*					
	RBSINL1	C	001	000E	1252	1253					
08	RBSINL2	C	001	000F	1253	1254					
	RBSINL3	C	001	0010	1254	1255					
	RBSINL4	C	001	0011	1255	1256 1257 1258					
09	RBSLEN	C	001	0012	1256	3171* 3172 3174* 3178 3189 3195* 3196 3198 3200 3201 3209 3215 3218* 3219 3259 3350 3619 3699 3712 3721 3723 3723* 3724 3726					
						3729					
10	RBSPMR	C	001	000A	1249	1250					
	RBSPSR	C	001	000B	1250	1251 3759*					
	RBSRQ	C	001	000D	1251	1252					
11	RBSITLEN	C	001	0030	1259	3575					
	RBSIWORK	C	001	002F	1258	1259					
	RBSIWORKS	C	001	0012	1257						
12	RBSXR1	C	001	0003	1245	1246 3758* 3776* 3778*					
	RBSXR2	C	001	0005	1246	1247					
	RB1	C	001	0001	3121	3570* 3756* 3757 3758 3759					
13	RB2	C	001	0002	3122	3170* 3171 3172 3174 3178 3189 3195 3196 3198 3200 3201 3209 3215 3218 3219 3258* 3259 3349* 3350 3569* 3570 3571 3572 3572* 3618* 3619 3695* 3699 3712 3721 3723 3723 3724 3726 3729 3775* 3776 3778					
14	RCHKPT	C	001	0030	2984						
	RCLOSE	C	001	0003	2939						
15	RCMD	C	001	002C	2980						
	RCPERR	C	001	001D	2965						
	RCPRT	C	001	0015	2957						
16	RCPTC	C	001	001F	2967						
	RDALOC	C	001	000D	2949						
	RDICALL	C	001	0013	2955						
17	REQJ	C	001	0004	2940						
	REXTND	C	001	002E	2982						
	REXTNP	C	001	003B	2995						
18	REXTRA	C	001	0037	2991						
	RFIND	C	001	0001	2937						
	RFINDLIB	C	001	0019	2961						
19	RGLFAC	C	001	003A	2994						
	RGLFR	C	001	0039	2993						
20	RIB1	C	001	0001	3103	3777* 3778					

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01		#SWAU TCB CHANGE ORG OR DETACH TRANSIENT									
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT						
02	01471400	08CB	7C	00	27	3251	DT000030	MVI	TCB@INL4(C,TCB1),0	SET ADD FACTOR OF 0	01541000
	01471500	08CE	B8	02	77	3252		TBN	TCBSTAT6(C,TCB2),TCBSNAPQ	SNA USER ?	01542000
	01471600	08D1	B9	80	77	3253		TBF	TCBSTAT6(C,TCB2),TCBATNS	AND NOT ATTACHED MS? aa093	01543000
03	01471700	08D4	F2	90	03	3254		JF	DT000031	NO, IT IS NOT	01544000
	01471800										
04	01471900	08D7	7C	05	27	3255		MVI	TCB@INL4(C,TCB1),SNASIZ	SET SNA SIZE	01545000
	01472000	08DA	9D	01	0D	3256	DT000031	CLC	TCBCHAIN(C,TCB2),TCBCHAIN(C,TCB1)	THIS ACTIVE TCB ?	01550000
	01472100	08DE	F2	01	30	3257		JNE	DT000036	NO, IT IS NOT	01560000

01		#SWAU TCB CHANGE ORG OR DETACH									
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT						
02	0959	9E	00	2D	27						
	095D	9D	00	2D	24						
03	0961	F2	04	04							
	0964	6C	00	24	2D						
04	0968	9F	00	2D	27						
	096C	BD	00	0C							
	096F	B5	02	0D							

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				
03	RIB2	C	001 0002	3104
03	RICDA	C	001 0032	2986
03	RICDB	C	001 0033	2987
04	RICDC	C	001 0034	2988
04	RICDD	C	001 0030	2997
04	RINFO	C	001 000F	2951
05	RIOERR	C	001 002D	2981
05	RLIBRY	C	001 000A	2946
05	RLOPEN	C	001 0016	2958
06	RDOFFLINE	C	001 0027	2975
06	ROPEN	C	001 0002	2938
06	RPGHLT	C	001 0012	2954
07	RPRALGN	C	001 0014	2956
07	RPRAZ	C	001 002B	2979
07	RRDDM	C	001 0041	3001
08	RRSVDOO	C	001 0000	2936
08	RSALOC	C	001 000E	2950
08	RSETX	C	001 0020	2968
09	RSET	C	001 0008	2944
09	RSIN	C	001 0007	2943
09	RSLIST	C	001 0006	2942
10	RSLOG	C	001 0005	2941
10	RSNFC	C	001 003C	2996
10	RSMSG	C	001 0009	2945
11	RSNAP	C	001 0011	2953
11	RSORT	C	001 0036	2990
11	RSPALC	C	001 001C	2964
12	RSPMIC	C	001 0031	2985
12	RSPOOD	C	001 0018	2963
12	RSPQMG	C	001 0043	3003 3004
13	RSVNR	C	001 0022	2970
13	RSVTX	C	001 0035	2989 3869
13	RSVSDM	C	001 0018	2960
14	RTALLOC	A	004 0E6E	3883 3821* 3866 3872* 3881*
14	RTDEALL	A	004 00A2	3808 3786*
14	RTTC	C	001 001E	2966
15	RUPDAT	C	001 002F	2983
15	RVTOCFD	C	001 000B	2947
15	RVTORD	C	001 0010	2952
16	RUDAF	C	001 0024	2972
16	RUDCP	C	001 002A	2978
16	RUIDDA	C	001 0026	2974
17	RUIDB	C	001 0021	2969
17	RUIDG	C	001 0023	2971
17	RUIDH	C	001 0028	2976
18	RUIDL	C	001 0038	2992
18	RUIDO	C	001 0025	2973
18	RUIDQ	C	001 0029	2977
19	RUIDT	C	001 003F	2999
19	RUIDU	C	001 003E	2998
19	RUIDH	C	001 0042	3002
20	RUEGE	C	001 0040	3000

#SWAU TCB CHANGE ORG OR DETACH TRANSIENT					
ERR	LDC	OBJECT	CODE	ADDR	STMT SOURCE STATEMENT
01					
02	01541000	0959	9E 00 2D 27	3293	ALC TCBRS12(1,TCB2),TCB@INL4,(TCB1) ADD IN FACTOR @0093 01735000
02	01542000	0950	9D 00 2D 24	3294	CLC TCBRS12(1,TCB2),TCB@INL1,(TCB1) GREATER THAN MAX. ? 01740000
03	01543000	0961	F2 04 04	3295	JNH DT000080 NO, NOT GREATER. 01750000
03	01544000	0964	6C 00 24 2D	3296	MVC TCB@INL1(1,TCB1),TCBRS12(1,TCB2) MOVE IN NEW MAXIMUM 01760000
04	01545000	0968	9F 00 2D 27	3297	DT000080 SLC TCBRS12(1,TCB2),TCB@INL4,(TCB1) DECR. SIZE @0093 01765000
04	01550000	096C	8D 00 0C	3298	DT000080 CLC TCB@INL1(1,TCB1) @0093 01770000

SYMBOL	T	LEN	VALUE	DEFN	REFER
01					
02					
03	RSVSDM	C	001 0017	2959	
03	RXTEND	C	001 0043	3004 3006	
03	SCAMPDUM	C	001 00B3	1724 1725	
04	SCAMPICDM	C	001 00B3	1725	
04	SCAMPDOB	C	001 00AD	1721	
04	SCAMPDOB1	C	001 00AF	1722	
05	SCAMPDOB2	C	001 00B1	1723	
05	SCAMPDOB3	C	001 00B5	1731	
05	SCAMPZKMS	C	001 000C	1295 1299	
06	SCACKRST	C	001 0080	1782	
06	SCACDNFG	C	001 002F	1424 1426	
06	SCACSATB	C	001 0084	1574 1576	
07	SCACSIZE	C	001 0011	1338 1341	
07	SCACS16K	C	001 0004	1339	
07	SCADMZK	C	001 007A	1565 1567	
08	SCADMTUB	C	001 0052	1454 1456	
08	SCADABCT	C	001 0077	1543 1545	
08	SCADBSCT	C	001 0053	1456 1458	
09	SCADCFES	C	001 00AB	1710 1720	
09	SCADCFG1	C	001 0012	1341 1356	
09	SCADCFG2	C	001 0013	1356 1369	
10	SCADCFG3	C	001 0014	1369 1379	
10	SCADCFG6	C	001 00C4	1779 1791	
10	SCADCFG7	C	001 009F	1659 1679	
11	SCADCFG8	C	001 00A7	1686 1696	
11	SCADCFG9	C	001 00AB	1696 1708	
11	SCADCF5Z	C	001 000B	1293 1295	
12	SCADCMTR	C	001 0018	1392 1408	
12	SCADCON1	C	001 0093	1644 3750	
12	SCADCPGA	C	001 004D	1449	
13	SCADCP51	C	001 0070	1520 1530	
13	SCADCP52	C	001 0071	1530 1540	
13	SCADCP53	C	001 00C3	1769 1779	
14	SCADCP54	C	001 00C0	1737 1747	
14	SCADCPUB	C	001 0082	1572 1574	
14	SCADCPYR	C	001 00FF	1827 1829	
15	SCADCP51	C	001 008C	1581 1591	
15	SCADCP52	C	001 008D	1591 1601	
15	SCADCP53	C	001 008E	1601 1611	
16	SCADCTUT	C	001 0060	1494 1496	
16	SCADDATE	C	001 005F	1492 1494	
16	SCADDAY	C	001 005F	1491 1492	
17	SCADDMTC	C	001 0001	1273	
17	SCADDF1ST	C	001 0051	1453 1454	
17	SCADDFWK	C	001 00A4	1681 1684	
18	SCADDF5A	C	001 00C6	1791 1793	
18	SCADDF5G	C	001 0040	1308	
18	SCADDF5K	C	001 0008	1815 1817	
19	SCADDF5L	C	001 006B	1510 1513	
19	SCADDF5M	C	001 004F	1451 1453	
19	SCADDF5P	C	001 0091	1613 1640	
20	SCADDF5R	C	001 00E0	1829	

ERR	LDC	OBJECT	CODE	ADDR	STMT
01					
02					3340
02					3341
03					3342
03					3343
03					3344
04					3345
04					3346

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				
03	RAISON	C	001	2959
03	RKTEND	C	001	0043 3004 3006 3007
03	SCADADM	C	001	0083 1724 1725
04	SCADICDM	C	001	0083 1725
04	SCADLDB0	C	001	0040 1721
04	SCADLDB1	C	001	004F 1722
04	SCADLDB2	C	001	0081 1723
05	SCADLDB3	C	001	0085 1731
05	SCADZKMS	C	001	000C 1295 1299
06	SCADCRST	C	001	0080 1782
06	SCADCNFG	C	001	002F 1424 1426
06	SCACSATB	C	001	0084 1574 1576
07	SCACSIZE	C	001	0011 1338 1341
07	SCACS16K	C	001	0004 1339
07	SCADINZK	C	001	007A 1565 1567
08	SCADPTUB	C	001	0052 1454 1456
08	SCADABCT	C	001	0077 1543 1545
08	SCADBSCT	C	001	0053 1456 1458
09	SCADCFG5	C	001	004B 1710 1720 1733
09	SCADCFG1	C	001	0012 1341 1356 3435*
09	SCADCFG2	C	001	0013 1356 1369
10	SCADCFG3	C	001	0014 1369 1379
10	SCADCFG6	C	001	00C4 1779 1791
10	SCADCFG7	C	001	009F 1659 1679
11	SCADCFG8	C	001	00A7 1686 1696
11	SCADCFG9	C	001	00A8 1696 1708
11	SCADCFSZ	C	001	0008 1293 1295
12	SCADCNTR	C	001	0018 1392 1408
12	SCADCON1	C	001	0093 1644 3750 3921
12	SCADCPGA	C	001	0040 1449
13	SCADCP51	C	001	0070 1520 1530 3550 3551
13	SCADCP52	C	001	0071 1530 1540
13	SCADCP53	C	001	00C3 1769 1779
14	SCADCP54	C	001	00C0 1737 1747
14	SCADCP4B	C	001	0082 1572 1574
14	SCADCPYR	C	001	00FF 1827 1829
15	SCADCSPI	C	001	008C 1581 1591
15	SCADCSPI2	C	001	008D 1591 1601
15	SCADCSPI3	C	001	008E 1601 1611
16	SCADCTUT	C	001	0060 1494 1496 1512 3386* 3549
16	SCADDATE	C	001	005F 1492 1494
16	SCADDAY	C	001	005F 1491 1492
17	SCADDMIC	C	001	0001 1273
17	SCADFI1ST	C	001	0051 1453 1454 3463
17	SCADHFLK	C	001	00AA 1681 1684
18	SCADICSA	C	001	00C6 1791 1793
18	SCADKCFG	C	001	0040 1308
18	SCADKKGK	C	001	0008 1815 1817
19	SCADKLRG	C	001	0068 1510 1513 1515
19	SCADLBF1	C	001	004F 1451 1453 3397
19	SCADLINF	C	001	0091 1613 1640
20	SCADNATR	C	001	00E0 1829

ERR	LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02					3340 *
02	01735000				3341 * AT THIS POINT TCBINL1=MAX SWAPPABLE ACTIVE REGION EXCLUDING THE TASK
02	01740000				3342 * AND TCBINL2=SWAP AREA SIZE IN TRACKS
03	01750000				3343 *
03	01760000	09DC 78 80 77			3344 TBN TCBSTAT6(C.TCB1).TCBATAS WAS TASK NON-SWAPPABLE

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SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01					
02					
03	SCADICFG	C	001	0079	1555 1565
03	SCADICTR	C	001	0078	1567 1568
03	SCADMERP	C	001	0040	1448 1449 1451
04	SCADMGDT	C	001	0073	1540 1541
04	SCADMTD*	C	001	007E	1569 1570
04	SCADMINT	C	001	005E	1490 1491
05	SCADMOD*	C	001	0017	1390 1392
05	SCADMONT	C	001	0086	1579 1581
05	SCADMNTUB	C	001	0060	1515 1516
06	SCADPTND	C	001	0010	1334 1338
06	SCADPSVC	C	001	0000	1276 1277
06	SCADPTUB	C	001	006F	1516 1520
07	SCADREJA	C	001	0092	1642 1644
07	SCADRELF*	C	001	0016	1389 1390
07	SCADREJ*	C	001	0095	1640 1641 1642
08	SCADRFTR	C	001	00CE	1793 1795
08	SCADRSZC	C	001	007F	1570 1571
08	SCADRSEC	C	001	00A2	1679 1681
09	SCADRSPC	C	001	008F	1735 1737
09	SCADSBFP	C	001	074B	1446 1448
09	SCADSCIM	C	001	0070	1568 1569
10	SCADSDLP	C	001	009E	1657 1659
10	SCADSDLS	C	001	0090	1656 1657
10	SCADSECB	C	001	0076	1541 1543
11	SCADSECC	C	001	0080	1571 1572
11	SCADSEUR	C	001	0057	1460 1461
11	SCADSEUR*	C	001	0059	1461 1462 1464
12	SCADSLG	C	001	005A	1464 1468
12	SCADSLT	C	001	008A	1577 1579
12	SCADSNAT	C	001	0090	1611 1613
13	SCADSNAL	C	001	009B	1654 1655
13	SCADSNAL*	C	001	009C	1655 1656
13	SCADSP1A	C	001	000A	1291 1293
14	SCADSQS	C	001	0099	1650 1652
14	SCADSSCS	C	001	0028	1421 1422
14	SCADSSIO	C	001	002D	1422 1424
15	SCADSSJQ	C	001	0044	1435 1437
15	SCADSSMS	C	001	0029	1420 1421
15	SCADSSPF	C	001	0009	1817
16	SCADSSPR	C	001	0047	1437 1445
16	SCADSSVC	C	001	0005	1278 1280
17	SCADTBUF	C	001	0097	1646 1648
17	SCADTKS2	C	001	00AA	1708 1710 3338
17	SCADTLOK	C	001	0002	1608
18	SCADTR52	C	001	009A	1652 1654
18	SCADUCFG	C	001	0006	1795 1796 1797
18	SCADUDT1	C	001	0005	1796
18	SCADUDT2	C	001	0003	1797
19	SCADUDT3	C	001	0001	1798
19	SCADUDT4	C	001	00CF	1799
19	SCADVICE	C	001	0055	1458 1460
20	SCADVDBR	C	001	0087	1733 1735

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CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SCADMCFG	C	001	0079	1555	1565
	SCADMCTR	C	001	007B	1567	1568
	SCADMERP	C	001	004D	1448	1449 1451
04	SCADMG01	C	001	0073	1540	1541
	SCADMID#	C	001	007E	1569	1570
	SCADMINTH	C	001	005E	1490	1491
05	SCADMID#	C	001	0017	1390	1392
	SCADMINT	C	001	008B	1579	1581
	SCADMTUB	C	001	006D	1515	1516
06	SCADPTND	C	001	0010	1334	1338
	SCADPSVC	C	001	0000	1276	1277
	SCADPTUB	C	001	006F	1516	1520
07	SCADREJ#	C	001	0092	1642	1644
	SCADREL#	C	001	0016	1389	1390
	SCADREQJ	C	001	0095	1640	1641 1642 1646
08	SCADRFR	C	001	00CE	1793	1795
	SCADRSCZ	C	001	007F	1570	1571
	SCADRSEC	C	001	00A2	1679	1681
09	SCADRSPC	C	001	00BF	1735	1737
	SCADSBFP	C	001	004B	1446	1448
	SCADSCIM	C	001	007D	1568	1569
10	SCADSDLP	C	001	009E	1657	1659
	SCADSDLS	C	001	009D	1656	1657
	SCADSECA	C	001	0076	1541	1543
11	SCADSECZ	C	001	0080	1571	1572
	SCADSEUA	C	001	0057	1460	1461
	SCADSEUQ	C	001	0059	1461	1462 1464
12	SCADSLOG	C	001	005A	1464	1468
	SCADSL0T	C	001	008A	1577	1579
	SCADSNAT	C	001	0090	1611	1613
13	SCADSNAI	C	001	009B	1654	1655
	SCADSNAT	C	001	009C	1655	1656
	SCADSP1A	C	001	000A	1291	1293
14	SCADSSQS	C	001	0099	1650	1652
	SCADSSCS	C	001	002B	1421	1422
	SCADSSIO	C	001	002D	1422	1424
15	SCADSSJQ	C	001	0044	1435	1437
	SCADSSMS	C	001	0029	1420	1421
	SCADSSPF	C	001	00D9	1817	
16	SCADSSPR	C	001	0047	1437	1445
	SCADSSVC	C	001	0005	1278	1280
	SCADTBUF	C	001	0097	1646	1648
17	SCADTKS2	C	001	00AA	1708	1710 3338 3607 3792 3834
	SCADTLOK	C	001	0002	1608	
	SCADTRS2	C	001	009A	1652	1654
18	SCADUCFG	C	001	00D6	1795	1796 1797 1798 1799 1815
	SCADUDT1	C	001	00D5	1796	
	SCADUDT2	C	001	00D3	1797	
	SCADUDT3	C	001	00D1	1798	
19	SCADUDT4	C	001	00CF	1799	
	SCADVICE	C	001	0055	1458	1460
20	SCADWDBR	C	001	00B7	1733	1735

H36

#5VAU TCB CHANGE ORG OR DETACH TRANSIENT								
02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT
02								3353 *
	02080000							02210000
	02090000							02220000
	02100000							02230000
03		09F7	7D	5C				3355 *
	02110000							02240000
								3356 DT000095 CLL TCBASCMO-1C TCB11 0 ANY ON QUEUE 2

CROSS-REFERENCE

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCADUDBT	C	001	00AC	1720	1721 1722 1723 1724 1731
SCADURKA	C	001	00'6	1684	1686
SCADUSQS	C	001	0098	1648	1650
SCADXMID	C	001	00C2	1747	1749 1759 1769
SCADXM11	C	001	00C1	1749	
SCADXM17	C	001	00C2	1759	
SCADXSLT	C	001	0085	1576	1577
SCADXVC	C	001	0003	1277	
SCADXTRA	C	001	0078	1545	1555
SCADYEAR	C	001	0050	1489	1495
SCAFVTOC	C	001	001E	1411	1412
SCAFVTON	C	001	0020	1412	1414
SCAHFCUR	C	001	0035	1428	1430
SCAHFERR	C	001	0080	1469	
SCAHFS1Z	C	001	0033	1427	1428
SCATPLWK	C	001	0060	1512	
SCATPLW1	C	001	0068	1513	
SCATPLW5	C	001	0095	1641	
SCATPLW6	C	001	0059	1462	
SCATVTOC	C	001	0022	1414	1415
SCATVTON	C	001	0023	1415	1417
SCALOGSS	C	001	0027	1418	1420
SCAMACDP	C	001	0004	1587	
SCAMACDV	C	001	0010	1585	
SCAMACMG	C	001	0008	1586	
SCAMACSP	C	001	0002	1588	
SCAMACU1	C	001	0008	1630	
SCAMACU2	C	001	0004	1631	
SCAMACU3	C	001	0002	1632	
SCAMACU4	C	001	0001	1633	
SCAMALL	C	001	0040	1522	3550
SCAMARRR	C	001	0040	1583	
SCAMATBS	C	001	0080	1479	
SCAMAUTO	C	001	0080	1342	
SCAMXRG	C	001	000E	1301	1303 3406* 3720*
SCAMBADG	C	001	0040	1712	
SCAMBSCA	C	001	0080	1370	
SCAMBSV	C	001	0015	1379	1389
SCAMCCHK	C	001	0040	1480	
SCAMCFER	C	001	0020	1604	
SCAMCFG5	C	001	0004	1385	
SCAMCLOG	C	001	0010	1383	
SCAMCLOK	C	001	0002	1475	
SCAMCNDE	C	001	0001	1367	
SCAMCNAT	C	001	0080	1357	
SCAMCOUT	C	001	0040	1532	
SCAMCPAF	C	001	0010	1534	
SCAMCPL	C	001	0080	1521	3551
SCAMCRAN	C	001	0008	1347	
SCAMCRT	C	001	0010	1406	
SCAMDATE	C	001	0008	1483	
SCAMDOCK	C	001	0040	1771	

J01

SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
SCAMDEAD	C	001	0001	1387	
SCAMDELE	C	001	0004	1536	
SCAMDFA	C	001	0010	1785	
SCAMDGM	C	001	0002	1485	
SCAMDPOK	C	001	00A5	1335	
SCAMDPU5	C	001	005A	1336	
SCAMDREC	C	001	0080	1556	
SCAMDSTZ	C	001	0001	1316	
SCAMD5KS	C	001	0081	1315	
SCAMDUAL	C	001	0080	1304	
SCAMDDOM	C	001	0001	1789	
SCAMDJCT	C	001	0004	1474	
SCAMDERP	C	001	0001	1528	
SCAMDFAIL	C	001	0010	1595	
SCAMDFLOC	C	001	0010	1671	
SCAMDFORX	C	001	0020	1594	
SCAMDFUND	C	001	0004	1775	
SCAMDFHALC	C	001	0020	1669	
SCAMDFDEL	C	001	0040	1663	
SCAMDFHELP	C	001	0020	1533	
SCAMDFHMT	C	001	0020	1666	
SCAMDFHLP	C	001	0020	1481	
SCAMDFHVS2	C	001	000F	1675	
SCAMDFHVRP	C	001	0080	1660	
SCAMDFCRI	C	001	0008	1596	
SCAMDFCR2	C	001	0002	1598	
SCAMDFICS	C	001	0004	1375	
SCAMDFEXC	C	001	0008	1786	
SCAMDFOCL	C	001	0010	1773	
SCAMDFIPL	C	001	0010	1472	
SCAMDFIPLA	C	001	0080	1499	
SCAMDFIPLC	C	001	0040	1470	
SCAMDFIPLP	C	001	0010	1482	
SCAMDFJOBQ	C	001	0020	1359	
SCAMDFJQFM	C	001	0002	1351	3435
SCAMDFJQHD	C	001	0004	1349	
SCAMDFJQS	C	001	0004	1526	
SCAMDFKEYS	C	001	0080	1531	
SCAMDFKKE	C	001	0080	1818	
SCAMDFKISG	C	001	0002	1366	
SCAMDFLAF	C	001	0008	1774	
SCAMDFLCAF	C	001	0002	1376	
SCAMDFLGER	C	001	0080	1592	
SCAMDFINI1	C	001	0080	1625	
SCAMDFINI2	C	001	0040	1625	
SCAMDFINI3	C	001	0000	1627	
SCAMDFINI4	C	001	0010	1628	
SCAMDFLSMF	C	001	0020	1752	
SCAMDFLOTR	C	001	0020	1548	
SCAMDFLOTX	C	001	0040	1547	
SCAMDFLTR	C	001	0001	1400	
SCAMDFLTX	C	001	0010	1396	

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02				3400 *	FREE USER MAIN STORAGE AND ASSOCIATED SWAP AREA ON DISK	02490000
				3401 *		02500000
				3402 *	FREED	02510000
03	0A57	F4	00	13	SVC SVCFREE,00 FREE MAIN STORAGE	
				3403		
				3404 ***	END OF EXPANSION **	
04	0A5A	74	08	25	ST TCB@INL2(,TCB1),ARR STORE VALUES BACK IN TCB	02520000
	0A5D	1C	00	000E 24	MVC NUBSCA+SCAMX1:2(1),TCB@INL1(,TCB1) MAX ACTIVE SWAPP	02530000
	0A62	1C	01	0DA7 29	MVC DTDCSS(2),TCBTSSN-1(,TCB1) MOVE IN SS OF SWAP	02540000
	0A67	1C	00	0DA8 25	MVC DTDCSIZE(1),TCB@INL2(,TCB1) MOVE IN SWAP TRACK SIZE	02550000

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02	0AB7	B0	00	14		3448 DTOK
	0ABA	F2	31	5B		3449
03						3450 *
						3451 *
						3452 *
						3453 *
04	0ABE	B5	01	15		3454 DTOK
	0ACC	7B	00	11		3455

01		CROSS-REFERENCE				
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SCAMDEAD	C	001	0001	1387	
03	SCAMDELE	C	001	0004	1536	
	SCAMDFA	C	001	0010	1785	
04	SCAMDPM	C	001	0002	1485	
	SCAMDPOK	C	001	00A5	1335	
	SCAMDPLUS	C	001	005A	1336	
	SCAMDREC	C	001	0080	1556	
05	SCAMDSIZ	C	001	0001	1316	
	SCAMDSKS	C	001	0081	1315	
	SCAMDUAL	C	001	0080	1304	
06	SCAMEDDM	C	001	0001	1789	
	SCAMEJCT	C	001	0004	1474	
	SCAMERP	C	001	0001	1528	
07	SCAMFAIL	C	001	0010	1595	
	SCAMFLOC	C	001	0010	1671	
	SCAMFORX	C	001	0020	1594	
08	SCAMFUND	C	001	0004	1775	
	SCAMHALC	C	001	0020	1669	
	SCAMHDEL	C	001	0040	1663	
09	SCAMHELP	C	001	0020	1533	
	SCAMHMT	C	001	0020	1666	
	SCAMHLP	C	001	0020	1481	
10	SCAMHVSZ	C	001	000F	1675	
	SCAMHWRP	C	001	0080	1660	
	SCAMICR1	C	001	0008	1596	
11	SCAMICR2	C	001	0002	1598	
	SCAMICS	C	001	0004	1375	
	SCAMTEXC	C	001	0008	1786	
12	SCAMTOCL	C	001	0010	1773	
	SCAMTPL	C	001	0010	1472	
	SCAMTPLA	C	001	0080	1499	
13	SCAMTPLC	C	001	0040	1470	
	SCAMTPIP	C	001	0010	1482	
	SCAMJOBQ	C	001	0020	1359	
14	SCAMJQFM	C	001	0002	1351	3435
	SCAMJQHD	C	001	0004	1349	
	SCAMJQS	C	001	0004	1526	
15	SCAMKEYS	C	001	0080	1531	
	SCAMKKKF	C	001	0080	1818	
	SCAMKMSG	C	001	0002	1366	
16	SCAMLATF	C	001	0008	1774	
	SCAMLCAF	C	001	0002	1376	
	SCAMLGER	C	001	0080	1592	
17	SCAMLIN1	C	001	0080	1625	
	SCAMLIN2	C	001	0040	1625	
	SCAMLIN3	C	001	0040	1627	
18	SCAMLIN4	C	001	0010	1628	
	SCAMLSMF	C	001	0020	1752	
	SCAMLOTR	C	001	0020	1548	
19	SCAMLOTX	C	001	0040	1547	
	SCAML1TR	C	001	0001	1400	
20	SCAML1TX	C	001	0010	1396	

01		CROSS-REFERENCE				
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCE
03	SCAML2TR	C	001	0002	1399	
	SCAML2TX	C	001	0020	1395	
	SCAML3TR	C	001	0004	1398	
04	SCAML3TX	C	001	0040	1394	
	SCAML4TR	C	001	0008	1397	
	SCAML4TX	C	001	0080	1393	
	SCAMND32	C	001	0080	1380	
05	SCAMNCA	C	001	0080	1602	
	SCAMNJE	C	001	0040	1372	
	SCAMNBL	C	001	0008	1535	
06	SCAMNDDO	C	001	0001	1777	
	SCAMNTO	C	001	0001	1377	
	SCAMP1E	C	001	0002	1386	
07	SCAMP0VK	C	001	0040	1593	
	SCAMPREP	C	001	0001	1476	
	SCAMPRT	C	001	00E0	1465	
08	SCAMPRI0	C	001	0001	1813	
	SCAMPRI20	C	001	0002	1812	
	SCAMPRI40	C	001	0004	1811	
09	SCAMPRI80	C	001	0008	1810	
	SCAMPUSF	C	001	0040	1358	
	SCAMPBLD	C	001	0008	1473	
10	SCAMPFCG	C	001	0002	1704	
	SCAMPILP	C	001	0020	1772	
	SCAMPSEC	C	001	0080	1711	
11	SCAMPRAW	C	001	0040	1699	
	SCAMPACF	C	001	0001	1705	
	SCAMPRTT	C	001	0010	1701	
12	SCAMPRAW	C	001	0020	1700	
	SCAMPUS	C	001	0008	1374	
	SCAMPUSA	C	001	0080	1697	
13	SCAMPUSP	C	001	0040	1688	
	SCAMPUSV	C	001	0008	1702	
	SCAMS#2K	C	001	0000	1299	1301 3266
14	SCAMSACT	C	001	0010	1345	
	SCAMSEC	C	001	0002	1527	
	SCAMSFLG	C	001	0008	1384	
15	SCAMSIZC	C	001	0006	1280	1288
	SCAMSJE	C	001	0020	1523	
	SCAMSMF	C	001	0020	1382	
16	SCAMSTC	C	001	0020	1784	
	SCAMSMFM	C	001	0040	1381	
	SCAMSNM	C	001	0010	1373	
17	SCAMSPB	C	001	0001	1354	
	SCAMSPGP	C	001	0020	1344	
	SCAMSPOL	C	001	0010	1360	
18	SCAMSPRK	C	001	004	1751	
	SCAMSRJE	C	001	0020	1371	
	SCAMST	C	001	0008	1525	
19	SCAMSUBS	C	001	0004	1787	
	SCAMSWAP	C	001	0004	1703	
20	SCAMS32K	C	001	0010	1286	

01		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
02	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	0AB7 BD 00 14	3448	DT00B107	CLI	TCBJCB#-1(C,TCB2),0
	0ABA F2 81 5B	3449		JE	DT000115
03		3450 *			aa145 02720200
		3451 *			aa145 02720400
		3452 *			aa145 02720600
04		3453 *			aa145 02720800

01		#SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
02	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02	0B03 F2 81 0C				3498
03	0B06 75 01 31				3499
					3500 *
					3501 *
04	0B09 F4 00 07				3502
	0B0C 0010				0B0D 3503

CROSS-REFERENCE				
SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01				
02				
03	SCAML2TR	C	0001	1399
03	SCAML2TX	C	0001	1395
03	SCAML3TR	C	0001	1398
03	SCAML3TX	C	0001	1394
04	SCAML4TR	C	0001	1397
04	SCAML4TX	C	0001	1393
05	SCAMID32	C	0001	1380
05	SCAMILCA	C	0001	1602
05	SCAMIRJE	C	0001	1372
06	SCAMISBL	C	0001	1535
06	SCAMODDD	C	0001	1777
06	SCAMOTTO	C	0001	1377
07	SCAMPTE	C	0001	1386
07	SCAMPOVK	C	0001	1593
07	SCAMPREP	C	0001	1476
08	SCAMPRT	C	0001	1465
08	SCAMPRI0	C	0001	1813
08	SCAMPRI20	C	0001	1812
09	SCAMPRI40	C	0001	1811
09	SCAMPRI80	C	0001	1810
09	SCAMPUSF	C	0001	1358
10	SCAMRBLD	C	0001	1473
10	SCAMRCFG	C	0001	1704
10	SCAMRILP	C	0001	1772
11	SCAMRSEC	C	0001	1711
11	SCAMRLAV	C	0001	1699
11	SCAMRUCF	C	0001	1705
12	SCAMRLFT	C	0001	1701
12	SCAMRLNV	C	0001	1700
12	SCAMRUS	C	0001	1374
13	SCAMRUSA	C	0001	1697
13	SCAMRUSP	C	0001	1688
13	SCAMRUSV	C	0001	1702
14	SCAMS#2K	C	0001	1299 1301 3266 3348* 3609 3711*
14	SCAMSACT	C	0001	1345
14	SCAMSSEC	C	0001	1527
15	SCAMSFLG	C	0001	1384
15	SCAMSIZE	C	0001	1280 1288
15	SCAMSJE	C	0001	1523
16	SCAMSJMF	C	0001	1382
16	SCAMSJC	C	0001	1720 1734
16	SCAMSJFM	C	0001	1381
17	SCAMSNA	C	0001	1373
17	SCAMSPB	C	0001	1354
17	SCAMSPGP	C	0001	1344
18	SCAMSPOL	C	0001	1360
18	SCAMSPRK	C	0001	1751
18	SCAMSRJE	C	0001	1371
19	SCAMSSST	C	0001	1525
19	SCAMSUBS	C	0001	1787
19	SCAMSWAP	C	0001	1703
20	SCAMS32K	C	0001	1286

J03

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02	OB03	F2 81	OC	3498	JE DT000110	IF NOT, JUST FREE JCB @145 02726400
03	OB06	75 01	31	3499	L JCBDEXT@C, JCB1, JCB1	ELSE, XRI->JCB EXTENSION@145 02726600
03				3500 *	NOW FREE THE JCB EXTENSION	@145 02726800
03				3501 *	FREE LEN-JCBDELNG	FREE THE JCB EXTENSION@145 02727000
03	OB09	F4 00	07	3502	SVC SVCFREE, Q0	ISSUE FREE REQUEST

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02	OB49	38 40	0070			
02	OB40	39 80	0070			
03	OB51	F2 96	00			

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT	
01						
02						
03						

CROSS-REFERENCE						
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
03	SCAMS48K	C	001	0018	1285	
03	SCAMS64K	C	001	0020	1284	
03	SCAMS96K	C	001	0030	1283	
04	SCAMTACT	C	001	0001	1589	
04	SCAMTELL	C	001	0001	1538	
04	SCAMTOLD	C	001	0002	1537	
05	SCAMUASF	C	001	0002	1788	
05	SCAMVHLD	C	001	0080	1738	
05	SCAMVDMR	C	001	0004	1362	
06	SCAMVDMX	C	001	0008	1361	
06	SCAMVSCB	C	001	0040	1603	
06	SCAMVSE	C	001	0010	1524	
07	SCAMVTC	C	001	0004	1484	
07	SCAMVTRA	C	001	0080	1546	
07	SCAMX21	C	001	0001	1825	
08	SCAMX215	C	001	0002	1776	
08	SCAMX211	C	001	0088	1635	
08	SCAMX212	C	001	0044	1636	
09	SCAMX213	C	001	0022	1637	
09	SCAMX214	C	001	0011	1638	
09	SCAMYD	C	001	0001	1486	
10	SCAMO128	C	001	0001	1508	
10	SCAMO256	C	001	0002	1507	
10	SCAMO512	C	001	0004	1506	
11	SCAMO65M	C	001	0041	1329	
11	SCAM1FM	C	001	0010	1504	
11	SCAM1OMG	C	001	0000	1321	
12	SCAM1024	C	001	0008	1505	
12	SCAM1255	C	001	0080	1582	
12	SCAM128K	C	001	0040	1282	
13	SCAM13MG	C	001	0001	1320	
13	SCAM130M	C	001	00C1	1330	
13	SCAM195M	C	001	00E1	1331	
14	SCAM12FM	C	001	0020	1503	
14	SCAM12HFM	C	001	0040	1502	
14	SCAM1256K	C	001	0080	1281	
15	SCAM1260M	C	001	0001	1332	
15	SCAM127MG	C	001	0081	1319	
15	SCAM162PC	C	001	0040	1327	
16	SCAM165MG	C	001	0001	1328	
16	SCAOVER	C	001	0020	1471	
16	SCARDFMT	C	001	0067	1498 1510	
17	SCARDVOL	C	001	0066	1496 1498	
17	SCASDISK	C	001	000F	1303 1334	
17	SCASHIST	C	001	0031	1426 1427	
18	SCASHMSG	C	001	0038	1431 1432	
18	SCASIOS5	C	001	0025	1417 1418	
18	SCASMSG1	C	001	0038	1430 1431	
19	SCASMSG2	C	001	0041	1433 1435	
19	SCASPARK	C	001	0040	1557	
19	SCASSTWA	C	001	001A	1408 1409	
20	SCASTOPS	C	001	0080	1770	

J04

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT						
02	ERR	LOC	OBJECT	CODE	ADDR	STMT SOURCE STATEMENT
02	0B49	38	40	0070	3550	TBN NUBSCA+SCADCP51, SCAMALL AND NOT STOP SYSTEM ?
02	0B4D	39	80	0070	3551	TBF NUBSCA+SCADCP51, SCAMCPL AND MSG NOT ALREADY SENT?
03	0B51	F2	96	0D	3552	JC DT000130, X'96' YES TO ONE OF ABOVE
04					3553 *	03060000
04					3554 *	POST THE COMMAND PROCESSOR FOR STOP SYSTEM REQUESTED BUT STOP
04					3555 *	MESSAGE HAS NOT BEEN SENT

00145 02726400
00145 02726600
00145 02726800
00145 02727000

02	SYMBOL	T	LEN	VALUE	DEFN
03	SCASMSG	C	001	003E	1432
03	SCASYS	C	001	0000	1271
03	SCASYS1	C	001	005B	1468
04	SCASYS2	C	001	005C	1478
04	SCATWASZ	C	001	001C	1409
04	SCAUSERA	C	001	0049	1445
05	SCAZKBAD	C	001	0008	1288
05	SCAZKOK	C	001	0000	1289
05	SCAZSPIN	C	001	0080	1305
06	SCA3SPIN	C	001	0020	1306
06	SCA4SPIN	C	001	0010	1307
06	SEVEN	C	001	0007	3070
07	SIX	C	001	0006	3069
07	SIZ1	C	001	0001	3123
07	SIZ2	C	001	0002	3124
08	SNASTZ	C	001	0005	3147
08	SVCASGN	C	001	000A	1851
08	SVCASSGN	C	001	0006	1847
09	SVCCOMM	C	001	0044	1897
09	SVCCXNT	C	001	0050	1901
09	SVCDSPCH	C	001	0027	1881
10	SVCDUMP	C	001	0022	1876
10	SVCEXIT	C	001	0011	1858
10	SVCFD	C	001	0040	1893
11	SVCFREE	C	001	0007	1848
11	SVCFREEP	C	001	0013	1860
11	SVCGETP	C	001	0012	1859
12	SVCGPOST	C	001	0001	1842
12	SVCGWAIT	C	001	0000	1841
12	SVCIOXNT	C	001	0045	1898
13	SVCISEC	C	001	0008	1849
13	SVCIO	C	001	0041	1894
13	SVCKBTR	C	001	005C	1905
14	SVCLDTR	C	001	000C	1853
14	SVCLDLOAD	C	001	0052	1903
14	SVCLLOG	C	001	001A	1867
15	SVCMVET	C	001	002A	1884
15	SVCCOP	C	001	00F4	1929
15	SVCPMR	C	001	000D	1854
16	SVCPPOST	C	001	0003	1844
16	SVCPPOSTA	C	001	0019	1866
16	SVCPPOSTI	C	001	002B	1885
17	SVCPSPVC	C	001	000B	1852
17	SVCPQSV	C	001	004C	1899
17	SVCPREP	C	001	0026	1880
18	SVCPRTQ	C	001	0024	1878
18	SVCPPT	C	001	0042	1895
18	SVCPQS	C	001	0020	1873
19	SVCPQSCAN	C	001	001B	1868
19	SVCPQUEUE	C	001	000E	1855
19	SVCPQUALT	C	001	002C	1886
20	SVCPREQ	C	001	0021	1875

00145 02726400
00145 02726600
00145 02726800
00145 02727000

CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
03	SCASMSG	C	001	003E	1432 1433
03	SCASYS	C	001	0000	1271 1273 1276 1278
	SCASYS1	C	001	005B	1468 1478
	SCASYS2	C	001	005C	1478 1489
04	SCATWASZ	C	001	001C	1409 1411
	SCAUSERA	C	001	0049	1445 1446
	SCAZKBD	C	001	0008	1288 1291
05	SCAZKOK	C	001	0000	1289
	SCAZSPIN	C	001	0080	1305
	SCA3SPIN	C	001	0020	1306
06	SCA4SPIN	C	001	0010	1307
	SEVEN	C	001	0007	3070
	SIX	C	001	0006	3069
07	SI21	C	001	0001	3123
	SI22	C	001	0002	3124
	SNASIZ	C	001	0005	3147 3255
08	SVCASGN	C	001	000A	1851
	SVCASSGN	C	001	0006	1847 3855
	SVCCOMM	C	001	0044	1897
09	SVCCXNT	C	001	0050	1901 3389
	SVCDSPECH	C	001	0027	1881
	SVCDDUMP	C	001	0022	1876
10	SVCEXIT	C	001	0011	1858 3763 3780
	SVCFD	C	001	0040	1893
	SVCFREE	C	001	0007	1848 3181 3318 3366 3471 3485 3502 3512 3574 3586 3875
11	SVCFREEP	C	001	0013	1860 3403 3687
	SVCGETP	C	001	0012	1859 3911
	SVCPOST	C	001	0001	1842 3804
12	SVCQWAIT	C	001	0000	1841
	SVCIOXNT	C	001	0045	1898
	SVCISEC	C	001	0008	1849
13	SVCIO	C	001	0041	1894
	SVCKBTR	C	001	005C	1905
	SVCLDATR	C	001	000C	1853 3744
14	SVCLDLOAD	C	001	0052	1903 3947
	SVCLDLOG	C	001	001A	1867
	SVCLDMOVE	C	001	002A	1884
15	SVCLDOP	C	001	00F4	1929
	SVCLDPMR	C	001	000D	1854 3164 3590
	SVCLDPOST	C	001	0003	1844 3424 3438 3559
16	SVCLDPOSTA	C	001	0019	1866
	SVCLDPOSTI	C	001	002B	1885
	SVCLDPPSVC	C	001	000B	1852
17	SVCLDPPSVC	C	001	004C	1899
	SVCLDPREP	C	001	0026	1880
	SVCLDPRIQ	C	001	0024	1878
18	SVCLDPT	C	001	0042	1895
	SVCLDQS	C	001	0020	1873
	SVCLDQSCAW	C	001	001B	1868
19	SVCLDQUEUE	C	001	000E	1855 3465 3529 3537 3544
	SVCLDQWAIT	C	001	002C	1886
20	SVCLDREDEQ	C	001	0021	1875

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
01	ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
02			3594 * 03310000
			3595 * CONTINUE SETTING UP FOR CHANGED ORG POINT AND FETCH 03320000
			3596 * 03330000
03			3597 * 03860000
			3598 * CALCULATE THE SIZE OF SWAP AREA ON DISK REQUIRED 03870000
			3599 * 03880000

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
01	ERR LOC	OBJECT CODE	ADDR STMT SOURCE STATEMENT
02		OBEE 02	OBEE
03			

		CROSS-REFERENCE									
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES					
03	TCBDITH	C	001	00E5	2156						
03	TCBDJQ	C	001	00F2	2169	3430					
	TCBDMP	C	001	00F4	2171						
04	TCBDPER	C	001	00EA	2161						
04	TCBIDSDP	C	001	00F6	2173	3375					
	TCBIDSDS	C	001	00FB	2174	3381					
	TCBIDSFS	C	001	00F3	2170						
05	TCBIDSNE	C	001	00E7	2158						
	TCBIDSNF	C	001	00E9	2160						
	TCBIDSNR	C	001	00F8	2176	3377					
06	TCBIDSN1	C	001	00F7	2175	3379					
	TCBIDSRJ	C	001	00FA	2178						
	TCBIDS44	C	001	00FC	2180						
07	TCBINQPD	C	001	0001	2046						
	TCBINQSP	C	001	0020	2239						
	TCBINVCT	C	001	0058	2135	2136					
08	TCBIQCNT	C	001	0075	2216	2218					
	TCBIWAIT	C	001	0008	2005	2010					
09	TCBJCBA	C	001	0015	2100	2101 3227 3234 3413 3414 3444 3445 3448 3454 3480 3509 3732 3734					
	TCBJSTIN	C	001	0004	1994						
	TCBKCALL	C	001	0008	2043						
10	TCBKWAIT	C	001	0001	2024						
	TCBLCKDI	C	001	0080	2142						
	TCBLCKHT	C	001	0004	2147						
11	TCBLCKMK	C	001	0069	2141	2151					
	TCBLCKPI	C	001	0008	2146						
	TCBLCKS1	C	001	0040	2143						
12	TCBLCKSP	C	001	0002	2148						
	TCBLCKVI	C	001	0020	2144						
	TCBLCK51	C	001	0010	2145						
13	TCBLDISK	C	001	005A	2133	2134 2135					
	TCBLDREL	C	001	0057	2131	2132 2133					
	TCBLEN	C	001	0080	2262	3587					
14	TCBLINUT	C	001	0040	2029						
	TCBLONGW	C	001	0010	1992						
	TCBMABTM	C	001	0010	2203						
15	TCBMAXID	C	001	00E0	2182						
	TCBMIC	C	001	0057	2132						
	TCBMRTMX	C	001	0072	2212	2213					
16	TCBMSAFL	C	001	0008	2204						
	TCBMSS12	C	001	002C	2120	2121 3738*					
	TCBMSTAB	C	001	0004	2205						
17	TCBNDUMP	C	001	0008	2225						
	TCBNIDIO	C	001	0002	1996						
	TCBNRDY	C	001	00BE	2010						
18	TCBNSCNT	C	001	0073	2213	2214					
	TCBNSHAP	C	001	0001	1997	3312 3346 3714					
	TCBPRBCH	C	001	00C0	2081						
19	TCBPRBEL	C	001	00F0	2069						
	TCBPRBLD	C	001	00F0	2062						
	TCBPRBSC	C	001	00F4	2054						

		#SWAU TCB CHANGE ORG OR DETACH TRANSIENT					
01	ERR LOC OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT		
02	OCDF F2 81 06	3733	JE	DT000365	NO JCB ASSOC.	aa093	05064000

01		CROSS-REFERENCE			
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
03	TCBPRBTS	C 001	00F0	2071	
03	TCBPRCCP	C 001	00F0	2066	
03	TCBPRCIC	C 001	00F0	2067	
04	TCBPRCNV	C 001	00D0	2080	
04	TCBPRCP	C 001	00FC	2051	
04	TCBPRDDF	C 001	00F1	2074	
05	TCBPREM	C 001	00F3	2055	
05	TCBPREXT	C 001	00F0	2056	
05	TCBPRGCE	C 001	00F0	2072	
06	TCBPRIMS	C 001	00F0	2068	
06	TCBPRINT	C 001	00F0	2070	
06	TCBPRINW	C 001	00FF	2050	
07	TCBPRIOR	C 001	0005	2048	2086 3534* 3535*
07	TCBPRIQ	C 001	006D	2184	2186 3539
07	TCBPRITH	C 001	00F4	2057	
08	TCBPRMR	C 001	00F0	2053	
08	TCBPRPER	C 001	00F0	2065	
08	TCBPRSDP	C 001	00F8	2058	
09	TCBPRSDS	C 001	00F9	2059	
09	TCBPRSMF	C 001	00F8	2073	
09	TCBPRSNF	C 001	00F0	2064	
10	TCBPRSNR	C 001	00F0	2061	
10	TCBPRSN1	C 001	00F0	2060	
10	TCBPRSP	C 001	00F0	2052	
11	TCBPRSRJ	C 001	00F0	2063	
11	TCBPRSWT	C 001	0000	2075	
11	TCBPRUDH	C 001	00E0	2076	3534 3535
12	TCBPRUDL	C 001	00B0	2084	
12	TCBPRUDM	C 001	00D1	2077	
12	TCBPTWT	C 001	00B0	2028	
13	TCBPUSH	C 001	0008	2092	2093 3274 3276 3304 3306 3315*
13	TCBQCNT	C 001	0007	2088	2089
13	TCBQWAIT	C 001	0008	2018	
14	TCBRDYQ	C 001	000F	2094	2095 2096
14	TCBRGSIZ	C 001	002D	2121	2124 3293* 3294 3296 3297* 3309* 3331 3348 3675 3729* 3730 3918*
14	TCBRSE	C 001	0027	2113	2117 3148 3864 3864 3873 3873*
15	TCBRTUB	C 001	0013	2097	2100 3442
15	TCBRWAIT	C 001	0004	2022	
15	TCBSDTAC	C 001	0002	2241	
16	TCBSDTSO	C 001	0040	2238	
16	TCBSFILK	C 001	0010	2224	
16	TCBSHDC	C 001	0080	2188	
17	TCBSTAR	C 001	0059	2134	
17	TCBSMFDN	C 001	0080	2252	
17	TCBSMFT	C 001	007C	2248	2255
18	TCBSNARQ	C 001	0002	2227	3252 3262
18	TCBSOP	C 001	0008	1993	
18	TCBSPLRS	C 001	0040	2260	
19	TCBSPLSP	C 001	0010	2240	
19	TCBSPOOL	C 001	002F	2124	2125 2126 2127
19	TCBSPLNK	C 001	0080	2237	
20	TCBSPLTR	C 001	0080	2259	

01		*SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	0034	34 08	0E7D		0D34 3766 DTEROR EQU * 3767 ST DTCWORK,ARR
03	0038	35 01	0141		3768 * TCBA R-TCB1 STORE CALLER'S ARR 3769 L 321,TCB1 XR2-> CURRENT TCB 3770 *** END OF EXPANSION ** GET TCB ADDRESS.

01		CROSS-REFERENCE			
02	SYMBOL	T LEN	VALUE	DEFN	REFERENCES
03	TCBSQBCT	C 001	0068	2140	2141
03	TCBSSTID	C 001	006A	2151	2153
03	TCBSTAT1	C 001	0000	1987	1999
04	TCBSTAT2	C 001	0001	1999	2012
04	TCBSTAT3	C 001	0004	2037	2048
04	TCBSTAT4	C 001	006E	2186	2198
05	TCBSTAT5	C 001	006F	2198	2209
05	TCBSTAT6	C 001	0077	2219	2230
05	TCBSTAT7	C 001	007E	2257	2262
06	TCBSUSP	C 001	0002	2007	2010
06	TCBSUSPD	C 001	0004	2044	
06	TCBSUSPS	C 001	0079	2235	2244
07	TCBSWAIT	C 001	0040	2015	3805
07	TCBSWAPD	C 001	0040	1990	
07	TCBSWAPQ	C 001	000F	2095	3531
08	TCBSYSTEM	C 001	0020	2190	
08	TCBTAS	C 001	0020	2016	
08	TCBTERM	C 001	0080	2039	3233
09	TCBTHBIT	C 001	0080	2200	
09	TCBTQE	C 001	0067	2139	2140
10	TCBTSKID	C 001	0068	2153	2184
10	TCBTSSN	C 001	002A	2117	2118
10	TCBTTC	C 001	0051	2128	2129
10	TCBTTIME	C 001	0006	2086	2088
11	TCBTWA	C 001	0053	2129	2130
11	TCBTWACL	C 001	0004	2194	
11	TCBTWAIT	C 001	0004	2006	2010
12	TCBUDMPR	C 001	0080	2231	
12	TCBWAFLG	C 001	007A	2244	2248
13	TCBWAIT	C 001	0080	1989	
13	TCBWAITD	C 001	0080	2001	2010
13	TCBWIOSP	C 001	0001	2242	
14	TCBWMASK	C 001	0002	2012	2026
14	TCBWSK2	C 001	0003	2026	2037
14	TCBWSILK	C 001	0004	2226	
15	TCBWSLAA	C 001	0055	2130	2131
15	TCBWAIT	C 001	0010	2017	
15	TCBX	C 001	007D	2255	2257
15	TCBXNTQ	C 001	0011	2096	2097
16	TCBXWAIT	C 001	0040	2002	
16	TCB1	C 001	0001	3113	3187* 3204 3211 3241 3268 3293 3331 3344 3381 3601 3610 3651

01		*SVAU TCB CHANGE ORG OR DETACH TRANSIENT			
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02	0050	C2 02	0D68		0050 3783
03	0061	B4 08	3D		0068 3784
03	0061	B4 08	3D		3785
03	0064	C2 01	02A2		3786
03	0064	C2 01	02A2		3787

CROSS-REFERENCE										
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				
03	TCBSQBCT	C	001	0068	2140	2141				
	TCBSSTAT1	C	001	006A	2151	2153				
	TCBSTAT1	C	001	0000	1987	1999 3312* 3346* 3714*				
	TCBSTAT2	C	001	0001	1999	2012				
04	TCBSTAT3	C	001	0004	2037	2048 3233 3261 3745 3771				
	TCBSTAT4	C	001	006E	2186	2198 3747* 3924				
	TCBSTAT5	C	001	006F	2198	2209				
05	TCBSTAT6	C	001	0077	2219	2230 3252 3253 3262 3291 3344 3345* 3715*				
	TCBSTAT7	C	001	007E	2257	2262				
	TCBSUSP	C	001	0002	2007	2010				
06	TCBSUSPD	C	001	0004	2044					
	TCBSUSPS	C	001	0079	2235	2244				
	TCBSWAIT	C	001	0040	2015	3805				
07	TCBSWAPD	C	001	0040	1990					
	TCBSWAPQ	C	001	000F	2095	3531				
	TCBSYSTEM	C	001	0020	2190					
08	TCBTAS	C	001	0020	2016					
	TCBTERM	C	001	0080	2039	3233 3261 3745 3771				
	TCBTHBIT	C	001	0080	2200					
09	TCBTQE	C	001	0067	2139	2140				
	TCBTSKID	C	001	006B	2153	2184 3375 3377 3379 3381 3428 3430				
	TCBTSSN	C	001	002A	2117	2118 3407 3652 3672* 3679* 3684* 3737*				
10	TCBTTC	C	001	0051	2128	2129 3422 3436 3557				
	TCBTTIME	C	001	0006	2086	2088				
	TCBTWA	C	001	0053	2129	2130				
11	TCBTWACL	C	001	0004	2194					
	TCBTWAIT	C	001	0004	2006	2010				
	TCBUDMPR	C	001	0080	2231					
12	TCBWAFLG	C	001	007A	2244	2248				
	TCBWAIT	C	001	0080	1989					
	TCBWAITD	C	001	0080	2001	2010				
13	TCBWIOSP	C	001	0001	2242					
	TCBWMASK	C	001	0002	2012	2026				
	TCBWMASK2	C	001	0003	2026	2037				
14	TCBWSILK	C	001	0004	2226					
	TCBWSWA	C	001	0055	2130	2131 3519				
	TCBWAIT	C	001	0010	2017					
15	TCBX	C	001	0070	2255	2257				
	TCBXNTQ	C	001	0011	2096	2097				
	TCBXWAIT	C	001	0040	2002					
16	TCB1	C	001	0001	3113	3187* 3189 3190 3196 3197 3197 3200 3201 3202 3202 3203 3203 3204 3204 3205 3205 3206 3206 3207 3207 3208 3209 3210 3210 3211 3212 3213 3215 3218 3219 3220 3220 3221 3227 3233 3234 3241 3243 3248 3249 3251 3255 3256 3258 3260 3263 3265 3266 3268 3268 3270 3270 3272 3280 3283 3283 3284 3284 3286 3286 3293 3294 3296 3297 3304 3306 3309 3312 3315 3324* 3330 3331 3331 3332 3332 3333 3334 3334 3335 3335 3336 3336 3337 3338 3344 3345 3346 3348 3349 3356 3358 3371* 3374 3375 3377 3379 3381 3405 3406 3407 3408 3526* 3534 3535 3564* 3569 3583* 3600 3601 3601 3602 3603 3603 3604 3604 3605 3605 3606 3607 3609 3610 3610 3618 3621 3621 3622 3622 3631 3633 3635 3645 3645 3651 3652 3655* 3657 3665* 3667 3670* 3672 3675 3675 3677* 3679				
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#SVAU TCB CHANGE ORG OR DETACH TRANSIENT									
02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	
					0050	3783	DTDEALLO	EQU *	05450000
					0068	3784	USING	AT000010,BAS2	05460000
03					0050	C2	02	0068	3785
					0061	B4	08	30	3786
					0064	C2	01	02A2	3787
04					0068	9C	04	45 05	3788
					006C	BC	01	2C	3789

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT									
02	ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT	
					00AE	C2	01	00A8	
					00B2	74	08	C9	
					00B5	C2	02	02A2	
					00B9	6C	04	05 05	

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CROSS-REFERENCE											
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES						
					3683 3684 3692 3693 3694 3695 3696 3696 3697 3698 3698 3700						
					3705 3710 3711 3714 3717 3717 3719 3719 3720 3729 3730 3732						
					3734 3736 3737 3738 3739 3743 3745 3747 3748 3750 3754 3755						
					3756 3769* 3771 3775						
TCBZ	C	001	0002	3114	3168* 3170 3250* 3252 3253 3256 3260* 3261 3262 3265 3273 3274						
					3276 3290* 3291 3293 3294 3296 3297 3298 3299 3299* 3411* 3413						
					3414 3428 3430 3442 3444 3445 3448 3454 3478* 3480 3490* 3509						
					3519 3862* 3864 3873 3915* 3918 3921 3923 3924						
TCBZ2RCS	C	001	0008	2192							
THREE	C	001	0003	3066							
TPP#EOV	C	001	0000	2856							
TRUE	C	001	0010	3074							
TUB\$ACTV	C	001	0080	2363							
TUB\$CML	C	001	0040	2364							
TUB\$CNCL	C	001	00C3	2391							
TUB\$DA	C	001	00C0	2386							
TUB\$DEAD	C	001	0002	2494							
TUB\$DPST	C	001	0040	2811							
TUB\$DTCS	C	001	0001	2382							
TUB\$ERR	C	001	0001	2370							
TUB\$EXEC	C	001	00C0	2388							
TUB\$EXTD	C	001	0020	2812							
TUB\$IDLE	C	001	00C2	2390							
TUB\$KBDP	C	001	00C0	2535							
TUB\$LOCK	C	001	0040	2759							
TUB\$MTR	C	001	00E3	2534							
TUB\$NGLD	C	001	00E2	2533							
TUB\$NIO	C	001	0020	2354							
TUB\$NO2	C	001	0040	2376							
TUB\$NRMD	C	001	0005	2497							
TUB\$OUP	C	001	0027	2402							
TUB\$PNAV	C	001	00E0	2387							
TUB\$POFF	C	001	0007	2500							
TUB\$POLL	C	001	00C1	2389							
TUB\$PRMA	C	001	00E1	2532							
TUB\$PUPM	C	001	0080	2810							
TUB\$PWT	C	001	00A7	2401							
TUB\$RACT	C	001	0000	2371							
TUB\$RDIN	C	001	0042	2406							
TUB\$RDMD	C	001	0022	2408							
TUB\$RDSN	C	001	0062	2405							
TUB\$RDUK	C	001	0006	2499							
TUB\$REAL	C	001	0040	2353							
TUB\$RSTR	C	001	0007	2407							
TUB\$SAVE	C	001	0002	2403							
TUB\$SAVS	C	001	0006	2404							
TUB\$SKIP	C	001	0080	2352							
TUB\$STANZ	C	001	00E0	2531							
TUB\$SUERP	C	001	0080	2375							
TUB\$SVH	C	001	0010	2378							
TUB\$BTRM	C	001	0001	2653							
TUB\$ACN	C	001	0040	2592							

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05450000	AREA
05460000	STER
05470000	ARR
05480000	. BIT MASK
05483000	F51) MAP
05486000	X'01'
05510000	A TO FREE ?
05520000	CATE TRACK

#SVAU TCB CHANGE ORG OR DETACH TRANSIENT											
ERR	LOC	OBJECT	CODE	ADDR	STMT	SOURCE	STATEMENT				
				0DAE	3818	ALLOC	EQU *			05680000	
				0DA8	3819		USING DTDCSIZE,BAS1			05690000	
				0DAE	C2	01	0DA8	3820	LA	DTDCSIZE,BAS1	LOAD BASE REGISTER
				0DB2	74	08	C9	3821	ST	RTALLOC+3(C,BAS1),ARR	STORE CALLER'S ARR
				0DB5	C2	02	02A2	3822	ALLO0005	LA	NUMTMAXR,F52
				0DB9	6C	04	05	05	3823	ALLO0010	MVC
				0DBD	5C	01	CC	04	3824	MVC	ALSSSE(2,BAS1),ALSSSS(BAS1) INIT. END ADDRESS
				0DC1	5F	00	05	38	3825	SLC	DTSV#BYT(1,BAS1),ALLO0020+1(C,BAS1) DECR. TRACKS INDEX
				0DC5	5C	00	2A	05	3826	MVC	ALLO0015+1(C,BAS1),DTSV#BYT(C,BAS1) MOVE IN L-1

0E3F	4C	00	12	0DA
0E44	4C	01	11	0E7
0E49	F4	01	04	
0E4C	35			
0E4D	1C	00	0DA8	1
0E52	1C	01	0E71	1
0E57	9C	0F	27	0E
0E74	1000			

98 3700
30 3732
54 3755
73 3274
11* 3413
90* 3509

TUBCHAIN C 001 0013 2527 2529
TUBCLER C 001 0010 2748
TUBCLRAD C 001 0080 2758

TUBCMDR C 001 0010 2679
TUBCMDT C 001 0020 2593
TUBCMD1 C 001 0001 2724

TUBCMD10 C 001 0020 2728
TUBCMD11 C 001 0040 2727
TUBCMD12 C 001 0080 2726

TUBCMD13 C 001 0001 2742
TUBCMD14 C 001 0002 2741
TUBCMD15 C 001 0004 2740

TUBCMD16 C 001 0008 2739
TUBCMD17 C 001 0010 2738
TUBCMD18 C 001 0020 2737

TUBCMD19 C 001 0040 2736
TUBCMD20 C 001 0080 2735
TUBCMD21 C 001 0001 2733

TUBCMD22 C 001 0002 2732
TUBCMD23 C 001 0004 2731
TUBCMD24 C 001 0008 2730

TUBCMD3 C 001 0004 2722
TUBCMD4 C 001 0008 2721
TUBCMD5 C 001 0010 2720

TUBCMD6 C 001 0020 2719
TUBCMD7 C 001 0040 2718
TUBCMD8 C 001 0080 2717

TUBCMD9 C 001 0010 2729
TUBCMD9 C 001 0003 2384 2397 2399
TUBCMD0 C 001 0004 2399 2410

CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUBAID	C	001	0025	2581	2582
TUBALRM	C	001	0080	2687	
TUBAPRNT	C	001	003E	2667	2668
TUBASENT	C	001	0020	2689	
TUBASGNB	C	001	0043	2672	2674
TUBASGND	C	001	0004	2368	
TUBASGNL	C	001	0041	2671	2672
TUBATTRA	C	001	0054	2757	2768
TUBATTRB	C	001	0058	2771	2781
TUBATTRC	C	001	005B	2783	2794
TUBATTR1	C	001	0035	2589	2600
TUBATTR2	C	001	0036	2600	2622
TUBATTR3	C	001	0037	2622	2633
TUBATTR4	C	001	0038	2633	2644
TUBATTR5	C	001	0039	2644	2655
TUBATTR6	C	001	003A	2655	2666
TUBATTR7	C	001	0044	2674	2685
TUBATTR8	C	001	0045	2685	2696
TUBATTR9	C	001	0048	2699	2711
TUBAUTOB	C	001	0020	2377	
TUBBADGE	C	001	0080	2701	
TUBCHAIN	C	001	0013	2527	2529
TUBCLER	C	001	0010	2748	
TUBCLRAD	C	001	0080	2758	
TUBCMDR	C	001	0010	2679	
TUBCMDT	C	001	0020	2593	
TUBCMD1	C	001	0001	2724	
TUBCMD10	C	001	0020	2728	
TUBCMD11	C	001	0040	2727	
TUBCMD12	C	001	0080	2726	
TUBCMD13	C	001	0001	2742	
TUBCMD14	C	001	0002	2741	
TUBCMD15	C	001	0004	2740	
TUBCMD16	C	001	0008	2739	
TUBCMD17	C	001	0010	2738	
TUBCMD18	C	001	0020	2737	
TUBCMD19	C	001	0040	2736	
TUBCMD20	C	001	0080	2735	
TUBCMD21	C	001	0001	2733	
TUBCMD22	C	001	0002	2732	
TUBCMD23	C	001	0004	2731	
TUBCMD24	C	001	0008	2730	
TUBCMD3	C	001	0004	2722	
TUBCMD4	C	001	0008	2721	
TUBCMD5	C	001	0010	2720	
TUBCMD6	C	001	0020	2719	
TUBCMD7	C	001	0040	2718	
TUBCMD8	C	001	0080	2717	
TUBCMD9	C	001	0010	2729	
TUBCMD9	C	001	0003	2384	2397 2399
TUBCMD0	C	001	0004	2399	2410

05680000
05690000
05700000
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05715000
05720000
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05740000
05741000
05742000
05743000

ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT
OE3F 4C 00 12 0DA8 3865 MVC DTSVSI2(1,XR1),DTDCSIZE SAVE SIZE 05954000
OE44 4C 01 11 OE71 3866 MVC DTSVARR(2,XR1),RTALLOC+3 SAVE ARR 05954500
OE49 F4 01 04 3867 * \$XFER ID-RSVTX,REFRESH=YES CALL RECOVERY 05955000
OE4C 35 3868 SVC 4,1
OE4C 35 OE4C 3869 DC ALL(RSVTX)
3870 *** END OF EXPANSION **
OE4D 1C 00 0DA8 12 3871 MVC DTDCSIZE(1),DTSVSI2(XR1) RESTORE SIZE 05955500
OE52 1C 01 OE71 11 3872 MVC RTALLOC+3(2),DTSVARR(XR1) RESTORE ARR 05956000
OE57 9C 0F 27 0F 3873 MVC TCBASE(TCBASE-TCBASE+1,TCB2),DTSVREG(XR1) RESTORE RSE 05956500
OE58 F4 00 02 3874 * FREE LEN-DTSVLEN FREE ELEMENT 05957000
OE58 F4 00 02 3875 SVC SMPDEF 00 ISSUE FREE DEFECT

ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT	
OE3F	4C 00 12 0DA8	3865	MVC	DTSVSI2(1,XR1),DTDCSIZE	SAVE SIZE 05954000
OE44	4C 01 11 OE71	3866	MVC	DTSVARR(2,XR1),RTALLOC+3	SAVE ARR 05954500
OE49	F4 01 04	3867 *	\$XFER	ID-RSVTX,REFRESH=YES	CALL RECOVERY 05955000
OE4C	35	3868	SVC	4,1	
OE4C	35	OE4C 3869	DC	ALL(RSVTX)	
		3870	*** END OF EXPANSION **		
OE4D	1C 00 0DA8 12	3871	MVC	DTDCSIZE(1),DTSVSI2(XR1)	RESTORE SIZE 05955500
OE52	1C 01 OE71 11	3872	MVC	RTALLOC+3(2),DTSVARR(XR1)	RESTORE ARR 05956000
OE57	9C 0F 27 0F	3873	MVC	TCBASE(TCBASE-TCBASE+1,TCB2),DTSVREG(XR1)	RESTORE RSE 05956500
OE58	F4 00 02	3874 *	FREE	LEN-DTSVLEN	FREE ELEMENT 05957000
OE58	F4 00 02	3875	SVC	SMPDEF 00	ISSUE FREE DEFECT

ERR LOC OBJECT CODE
OE72
OE73
OE75 0003
OE77 FFFF
OE79 30
OE7A 0030
OE7C
OE7E 0001
OE80

CROSS-REFERENCE					
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
TUBCM SK	C	001	0050	2743	2744
TUBCM SK1	C	001	004E	2716	2725
TUBCM SK2	C	001	004F	2725	2734
TUBCM SK3	C	001	0050	2734	2743
TUBCOMON	C	001	0024	2571	2581 2803
TUBCOMPL	C	001	0001	2361	2373
TUBCOUNT	C	001	0009	2412	2414 2520
TUBCPAID	C	001	0026	2582	2583
TUBCTSAV	C	001	003C	2666	2667
TUBDATA	C	001	0007	2411	2412
TUBDEVIC	C	001	0003	2397	
TUBDEVID	C	001	0014	2529	2537
TUBDEXTA	C	001	0053	2753	2757
TUBDGTUB	C	001	005A	2781	2783
TUBDMATX	C	001	0057	2769	2771
TUBDPRST	C	001	002F	2809	2818
TUBDRESV	C	001	0027	2583	2584
TUBECM	C	001	0000	2350	2361
TUBERAID	C	001	0018	2551	2552
TUBERBFG	C	001	0017	2545	2551
TUBERPCT	C	001	0016	2539	2545
TUBERRCT	C	001	001E	2565	2566
TUBFCNSL	C	001	0001	2598	
TUBFLAG	C	001	0002	2373	2384
TUBFMSK	C	001	0051	2744	2753
TUBGAIJD	C	001	0010	2776	
TUBGAIJP	C	001	0040	2827	
TUBGCHAR	C	001	0047	2697	
TUBHELP	C	001	0008	2749	
TUBHELPM	C	001	0047	2696	2697 2699
TUBHPND	C	001	0002	2663	
TUBHZQ	C	001	0080	2635	
TUBIARF	C	001	0010	2627	
TUBIDEL	C	001	0001	2642	
TUBIIS	C	001	0080	2624	
TUBIMI	C	001	0040	2625	
TUBINPA	C	001	0002	2619	
TUBINQ1	C	001	0040	2636	
TUBINQ2	C	001	0020	2637	
TUBIOERR	C	001	0040	2677	
TUBIPS	C	001	0020	2626	
TUBIQMP	C	001	0010	2638	
TUBJCB	C	001	0032	2586	2587
TUBKBULK	C	001	0001	2664	
TUBKDPLY	C	001	0080	2773	
TUBKKBD	C	001	0040	2774	
TUBKPNTN	C	001	0080	2826	
TUBLEN	C	001	0060	2795	
TUBLIOER	C	001	0004	2681	
TUBLIOFR	C	001	0002	2597	
TUBLIOIP	C	001	0002	2682	
TUBLIOS	C	001	0002	2641	

#SVALU TCB CHANGE ORG OR DETACH TRANSIENT					
ERR	LOC	OBJECT	CODE	ADDR	STMT SOURCE STATEMENT
					3885 * CONSTANTS AND WORK AREAS
05954000		OE72		OE72 3886	ALSI2 DS CL1 ALLOCATION SIZE WORK AREA 06000000
05954500		OE73		OE74 3887	ALSSE DS CL2 SSS OF NEXT AREA 06030000
05955000		OE75	0003	OE76 3888	ALCON3 DC XL2'0003' CONSTANT OF 3 06050000
		OE77	FFFF	OE78 3889	ALMONE DC XL2'FFFF' CONSTANT OF -1 06060000
					3890 * DO NOT SEPARATE NEXT THREE BYTES
05955500		OE79	30	OE79 3891	DC AL1(TCBATRS-31) OFFSET TO FIRST ATR VALUE 06090000
05956000		OE7A	0030	OE7B 3892	DTMAP DC AL2(TCBATRS-31) INITIAL ATR SLOT ADDRESS 06100000
05956500		OE7C		OE7D 3893	DTCLDRK DS CL2 WORK AREA 06110000

#SVALU TCB CHANGE ORG OR DETACH TRANSIENT					
ERR	LOC	OBJECT	CODE	ADDR	STMT SOURCE STATEMENT
					3885 * CONSTANTS AND WORK AREAS
05954000		OE72		OE72 3886	ALSI2 DS CL1 ALLOCATION SIZE WORK AREA 06000000
05954500		OE73		OE74 3887	ALSSE DS CL2 SSS OF NEXT AREA 06030000
05955000		OE75	0003	OE76 3888	ALCON3 DC XL2'0003' CONSTANT OF 3 06050000
		OE77	FFFF	OE78 3889	ALMONE DC XL2'FFFF' CONSTANT OF -1 06060000
					3890 * DO NOT SEPARATE NEXT THREE BYTES
05955500		OE79	30	OE79 3891	DC AL1(TCBATRS-31) OFFSET TO FIRST ATR VALUE 06090000
05956000		OE7A	0030	OE7B 3892	DTMAP DC AL2(TCBATRS-31) INITIAL ATR SLOT ADDRESS 06100000
05956500		OE7C		OE7D 3893	DTCLDRK DS CL2 WORK AREA 06110000

CROSS-REFERENCE					
02	SYMBOL	T	LEN	VALUE	DEFN REFERENCES
01	TUBLOP	C	001	0020	2648
03	TUBLTOFF	C	001	0040	2688
	TUBMBDCF	C	001	0010	2660
04	TUBMCMO	C	001	0020	2612
	TUBMCN	C	001	0080	2591
	TUBMCNSL	C	001	0040	2610
05	TUBMCOUT	C	001	0004	2765
	TUBMDATA	C	001	0010	2613
	TUBMDDTA	C	001	0010	2690
06	TUBMDME	C	001	0070	2614
	TUBMENJA	C	001	0008	2617
	TUBMENJZ	C	001	0020	2703
07	TUBMHELP	C	001	0004	2791
	TUBMHOLD	C	001	0010	2761
	TUBMIC	C	001	001A	2552 2554
08	TUBMINIT	C	001	0030	2615
	TUBMIQDS	C	001	0020	2678
	TUBMKANJ	C	001	0020	2775
09	TUBMLOCL	C	001	0040	2395
	TUBMOFF	C	001	0020	2760
	TUBMRDTA	C	001	0008	2661
10	TUBMRTSC	C	001	0010	2704
	TUBMSGGA	C	001	0001	2620
	TUBMSGCT	C	001	003F	2668 2671
11	TUBMSGID	C	001	0055	2768 2769
	TUBMSGRT	C	001	0080	2669
	TUBMSGRZ	C	001	0040	2670
12	TUBMSTDY	C	001	0080	2609
	TUBMSUB	C	001	00C0	2396
	TUBMUSTN	C	001	0040	2611
13	TUBMOSUB	C	001	0002	2766
	TUBONL	C	001	0008	2379
	TUBOPSTS	C	001	0030	2585 2586
14	TUBOPTS	C	001	001B	2554 2564
	TUBORN	C	001	0040	2647
	TUBORY	C	001	0080	2646
15	TUBPATRI	C	001	0034	2825 2834
	TUBPCFGa	C	001	0022	2568 2569
	TUBPCRLN	C	001	002D	2807 2808
16	TUBPELEN	C	001	0040	2838
	TUBPERES	C	001	003F	2837 2838
	TUBPEXTa	C	001	0026	2803 2804
17	TUBPFMLN	C	001	002C	2806 2807
	TUBPFMND	C	001	002B	2805 2806
	TUBPGTUB	C	001	0033	2823 2825
18	TUBPLEN	C	001	0030	2818 2822
	TUBPLPI	C	001	0035	2834 2837
	TUBPMXPP	C	001	002E	2808 2809
19	TUBPRESV	C	001	0027	2804 2805
	TUBPRT	C	001	0080	2745
	TUBPSUBC	C	001	0031	2822 2823
20	TUBQHDR	C	001	0015	2537 2539

J14

#SVAL TCB CHANGE ORG OR DETACH TRANSIENT					
02	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE STATEMENT
02				3901 *	06310000
				3902 * THIS IS THE BOOTSTRAP CODE THAT IS MOVED TO THE FIRST TWO K	06320000
03				3903 * PAGE WHENEVER GOING FROM SCHEDULER TO USER OR USER TO	06330000
				3904 * SCHEDULER.	06340000
				3905 *	06350000
04			0E99	3906 USING ATOCODE, XR1	06360000
			0E99	3907 ATOCODE FOR *	06370000

02	SYMBOL	T	LEN	VALUE	DEFN
01	TUBRAMER	C	001	0001	2793
03	TUBRCBK	C	001	0004	2750
	TUBRCNCL	C	001	0083	2394
04	TUBRMDO	C	001	0001	2767
	TUBROYIP	C	001	0001	2683
	TUBROYPD	C	001	0001	2708
05	TUBREADY	C	001	0008	2680
	TUBREL	C	001	0004	2651
	TUBREXEC	C	001	0080	2392
06	TUBRFCS	C	001	004C	2713
	TUBRFDSP	C	001	0040	2714
	TUBRFN	C	001	004B	2712
07	TUBRFSS	C	001	004A	2711
	TUBRISU	C	001	0004	2380
	TUBRINCM	C	001	0002	2381
08	TUBRJFOV	C	001	0008	2777
	TUBRLDN	C	001	0020	2747
	TUBRLUP	C	001	0040	2746
09	TUBRPOLL	C	001	0081	2393
	TUBRSF	C	001	0008	2650
	TUBRST1	C	001	0008	2639
10	TUBRST2	C	001	0004	2640
	TUBRSVD	C	001	005F	2794
	TUBRSW	C	001	0010	2649
11	TUBSENSE	C	001	000F	2520
	TUBSENS0	C	001	000A	2414
	TUBSENS1	C	001	000B	2429
12	TUBSENS2	C	001	000C	2441
	TUBSENS3	C	001	000D	2459
	TUBSENS4	C	001	000E	2461
13	TUBSENS5	C	001	000F	2518
	TUBSGN	C	001	0010	2594
14	TUBSTARF	C	001	0001	2631
	TUBSTIS	C	001	0008	2628
	TUBSTIM	C	001	0004	2629
	TUBSLOCT	C	001	001D	2564
15	TUBSTIPS	C	001	0002	2630
	TUBSRILK	C	001	0004	2662
	TUBSRQ	C	001	0002	2652
16	TUBSRQPD	C	001	0080	2676
	TUBSTATA	C	001	0004	2618
	TUBSTPJ	C	001	0004	2596
17	TUBSUBCN	C	001	0008	2764
	TUBSVR1	C	001	0004	2706
	TUBSVR2	C	001	0002	2707
18	TUBSVRD	C	001	0008	2705
	TUBSYLST	C	001	0020	2659
	TUBTCB	C	001	0024	2569
19	TUBTCBa	C	001	0011	2521
	TUBTSRQ	C	001	0008	2595
	TUBTUB	C	001	0034	2587
20	TUBUNITa	C	001	0005	2410

CROSS-REFERENCE			
02	SYMBOL	T LEN	VALUE DEFN REFERENCES
01	TUBRAMER	C 001	0001 2793
03	TUBRCBK	C 001	0004 2750
	TUBRCNCL	C 001	0083 2394
04	TUBROMOD	C 001	0001 2767
	TUBRDYIP	C 001	0001 2683
	TUBRDYPD	C 001	0001 2708
05	TUBREADY	C 001	0008 2680
	TUBREL	C 001	0004 2651
	TUBREXEC	C 001	0080 2392
06	TUBRFCSS	C 001	004C 2713 2714
	TUBRFDSP	C 001	004D 2714 2716
	TUBRFN	C 001	004B 2712 2713
	TUBRFSS	C 001	004A 2711 2712
07	TUBRLISU	C 001	0004 2380
	TUBRLINCM	C 001	0002 2381
08	TUBRJFOV	C 001	0008 2777
	TUBRLDW	C 001	0020 2747
	TUBRLUP	C 001	0040 2746
09	TUBRPOLL	C 001	0081 2393
	TUBRSF	C 001	0008 2650
	TUBRST1	C 001	0008 2639
10	TUBRST2	C 001	0004 2640
	TUBRSVD	C 001	005F 2794 2795
	TUBRSW	C 001	0010 2649
11	TUBSENSE	C 001	000F 2520 2521
	TUBSENS0	C 001	000A 2414 2429
	TUBSENS1	C 001	000B 2429 2441
	TUBSENS2	C 001	000C 2441 2459
12	TUBSENS3	C 001	000D 2459 2461
	TUBSENS4	C 001	000E 2461 2518
	TUBSENS5	C 001	000F 2518
13	TUBSGN	C 001	0010 2594
	TUBSIARF	C 001	0001 2631
14	TUBSTIT	C 001	0008 2628
	TUBSTMI	C 001	0004 2629
	TUBSTOCT	C 001	001D 2564 2565
15	TUBSTPS	C 001	0002 2630
	TUBSRILK	C 001	0004 2662
	TUBSRQ	C 001	0002 2652
16	TUBSRQPD	C 001	0080 2676
	TUBSTATA	C 001	0004 2618
	TUBSTPJ	C 001	0004 2596
17	TUBSUBCN	C 001	0008 2764
	TUBSVR1	C 001	0004 2706
	TUBSVR2	C 001	0002 2707
18	TUBSVRD	C 001	0008 2705
	TUBSYLST	C 001	0020 2659
	TUBTCB	C 001	0024 2569 2571
	TUBTCBa	C 001	0011 2521 2527
19	TUBTSRQ	C 001	0008 2595
	TUBTUB	C 001	0034 2587 2589
20	TUBUNITa	C 001	0005 2410 2411

#SVAL	TCB CHANGE ORG OR DETACH TRANSIENT	ERR LOC	OBJECT CODE	ADDR	STMT	SOURCE	STATEMENT
02				0F09 3951	ATOEND	EQU *	
				0060 3952	ATOCCLN	EQU ATOEND-ATOCODE	CODE LENGTH
03				0F09 3954	MAINT	EQU *	MAINTENANCE AREA
04				0F09 0000000000000000	DEFA 3955	DC 50X11.001	

06310000
06320000
06330000
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02	SYMBOL	T LEN	VALUE DEFN
03	\$ATACHER	C 001	0001 0135
	\$ATBATCH	C 001	0090 0121
	\$ATCOMMON	C 001	0040 0129
	\$ATCREAT	C 001	0080 0108
04	\$ATDATA	C 001	0008 0114

		CROSS-REFERENCE					
01	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01							
03		TUBUSER	C	001	002F	2584	2585
		TUBUSSV	C	001	0040	2658	
		TUBUSUP	C	001	0080	2657	
04		TUBUSTD	C	001	0020	2566	2567
		TUBUSWA	C	001	0022	2567	2568
		TUBOILGJ	C	001	0080	2785	
		TUBORMFL	C	001	0020	2787	
05		TUBOUNGJ	C	001	0040	2786	
		TUB1	C	001	0001	3131	
		TUB1OPT	C	001	0002	2792	
06		TUB2	C	001	0002	3132	
		TUB2IG	C	001	0008	2789	
		TUB2RF	C	001	0010	2788	
07		TUB2UG	C	001	0018	2790	
		TUB960	C	001	0040	2702	
		TWAACEND	C	001	0014	2889	
08		TWAACNSL	C	001	000F	2894	
		TWAACOMM	C	001	002E	2874	
		TWAACSMQ	C	001	003C	2899	
09		TWAACURI	C	001	000E	2892	
		TWAACERPS	C	001	0033	2897	
		TWAACINQ	C	001	0017	2870	
10		TWAACLCL	C	001	0009	2865	
		TWAALG10	C	001	0022	2871	
		TWAALOGC	C	001	0030	2876	
11		TWAALOGR	C	001	002F	2875	
		TWAAMDSA	C	001	0008	2867	
		TWAAMQ01	C	001	0008	2890	
12		TWAAMUSE	C	001	0000	2886	
		TWAAMCLC	C	001	0037	2879	
		TWAAPSB	C	001	0006	2862	
13		TWAAPSD	C	001	0007	2863	
		TWAAPSF	C	001	0008	2864	
		TWAAPSI2	C	001	0001	2857	
14		TWAAPS34	C	001	0002	2858	
		TWAAPS56	C	001	0003	2859	
		TWAAPS78	C	001	0004	2860	
15		TWAAPS9A	C	001	0005	2861	
		TWAAPRMG	C	001	0039	2881	
		TWAAPSAVE	C	001	000C	2868	
16		TWAAPSCV	C	001	000F	2893	
		TWAAPSCO1	C	001	0001	2887	
		TWAAPSTNS	C	001	000A	2866	
17		TWAAPSTAT	C	001	0027	2896	
		TWAAPTKMQ	C	001	0031	2877	
		TWAAPUSER	C	001	000C	2869	
18		TWAAPUSSA	C	001	0018	2895	
		TWAAPUSSS	C	001	002D	2873	
		TWAAPXLAT	C	001	0038	2880	
19		TWAAPGET	C	001	0000	2847	
		TWAAPPUT	C	001	0001	2846	
20		TWAAPREAL	C	001	0040	2851	

01	02	SYMBOL	T	LEN	VALUE	DEFN	REF
01							
		TWASYS	C	001	0002	2848	
03		TWATWA	C	001	0000	2850	
		TWAXSWA	C	001	0004	2849	
		TWAXLATE	C	001	0000	2852	
04		TWAXLEN	C	001	0008	2909	
		TWAXMAP	C	001	0002	2904	2900
		TWAXMAPL	C	001	0003	2905	
05		TWAXN	C	001	0007	2908	2900
		TWAXNEXT	C	001	0004	2906	2900
		TWAXSS	C	001	0006	2907	2900
06		TWAD	C	001	0002	3065	
		UNCOND	C	001	0087	3076	
		XEAOFF	C	001	0040	2923	
07		XEBOFF	C	001	0020	2924	
		XEXAMID	C	001	0080	2922	
		XFERCTL	C	001	0010	2925	
08		XFEREADN	C	001	0004	2930	
		XFEREBON	C	001	0002	2931	
		XFEREADN	C	001	0008	2929	
09		XFEREADN	C	001	0001	2932	
		XFLNBYT	C	001	0110	3006	
		XFLNMRD	C	001	0088	3007	
10		XNTAREAE	C	001	000F	2928	
		XNTAREAS	C	001	0008	2927	
		XNTPRIV	C	001	0020	2926	
11		XR1	C	001	0001	3050	3422 3935 3946
		XR2	C	001	0002	3051	3463
12		ZERO	C	001	0000	3063	3455
		ZONEBITS	C	001	00F0	3081	
13		TOTAL STATEMENTS FLAGGED IN THIS A					
14		STATEMENTS FLAGGED AS WARNINGS					
15							
16							
17							
18							
19							
20							

		CROSS-REFERENCE					
01	02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES
01							
		\$ATACHER	C	001	0001	0135	
03		\$ATBATCH	C	001	0090	0121	
		\$ATCOMMON	C	001	0040	0129	3198 3721
		\$ATCREAT	C	001	0080	0108	0119 0120 0121

01	02	SYMBOL	T	LEN	VALUE	DEFN	REF
01							
		\$LDMSLD	C	001	0001	3040	
03		\$LDRELAD	C	001	0001	3030	30
		\$LDSFTCH	C	001	0008	3033	30
		\$LDOADR	C	001	0002	3031	30

06640000
06650000

06670000

CROSS-REFERENCE										
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				
01	THASYS	C	001	0002	2848					
03	THATWA	C	001	0000	2850					
	THAWSHA	C	001	0004	2849					
04	THAXLATE	C	001	0000	2852					
	THAXLEN	C	001	0008	2909					
	THAXMAP	C	001	0002	2904	2906	3788	3788	3823	3323
	THAXMAPL	C	001	0003	2905					
05	THAXN	C	001	0007	2908	2909	3788	3788	3823	3823
	THAXNEXT	C	001	0004	2906	2907				
	THAXSS	C	001	0006	2907	2908				
06	THD	C	001	0002	3065					
	UNCOND	C	001	0087	3076					
	XEAOFF	C	001	0040	2923					
07	XEBOFF	C	001	0020	2924					
	XEXAMID	C	001	0080	2922					
	XFERCTL	C	001	0010	2925					
08	XFEREADN	C	001	0004	2930					
	XFEREBON	C	001	0002	2931					
	XFERIADN	C	001	0008	2929					
09	XFERWPN	C	001	0001	2932					
	XFLENBYT	C	001	0110	3006					
	XFLENWRD	C	001	0088	3007					
10	XNTAREAE	C	001	000F	2928					
	XNTAREAS	C	001	0008	2927					
	XNTPRIV	C	001	0020	2926					
11	XR1	C	001	0001	3050	3422*	3436*	3557*	3715	3859* 3864 3865 3866 3871 3872 3873 3906 3935 3935 3936 3936 3937 3937 3938 3942 3943 3943 3944 3945 3946
12	XR2	C	001	0002	3051	3463*	3542*	3938*	3940 3941 3941 3942* 3946*	
	ZERO	C	001	0000	3063	3455	3497			
	ZONEBITS	C	001	00F0	3081					
13	TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY =					0				
14	STATEMENTS FLAGGED AS WARNINGS					=	0			
15										
16										
17										
18										
19										
20										

CHANGE ACTIVITY			
02	MODULE NAME	FLAG	REFERENCE
	#SVAL	aaG13	531
03		aa023	3374
			3446
		aa041	57
04			3339
			3607
		aa052	59
05		aa093	58
			3259
			3304
			3730
06		aa145	62
			3431
			3452
07			3461
			3482
			3496
08		aa254	61
		aa419	515
			523
09			532
		aa478	195
10	END OF THE CHANGE ACTIVITY SUMMARY		
11	CHANGE FLAG		
12	aaG13	S317310	SS1 SU 05 07/0
13	aa023	P10310	SS CP 03 07/1
	aa041	P10316	SS DM 03 09/0
14	aa052	P10317	TP SR 03 09/2
15	aa093	P10342	TP SN 03 01/0
16	aa145	P10402	SS _ 04 03/3
	aa254	P10462	SS NU 04 01/2
17	aa419	P10802	SSP 08 01/1
18	aa478	P10807	TEL 08 06/1
19	END OF CHANGE FLAG REASONS		
20			

CROSS-REFERENCE										
02	SYMBOL	T	LEN	VALUE	DEFN	REFERENCES				
03	\$LDMSSLD	C	001	0001	3040					
	\$LDRELAD	C	001	0001	3030	3040				
	\$LDSFTCH	C	001	0008	3033	3042	3045			
	\$LDTOADR	C	001	0002	3031	3041	3044			
04	#	C	001	0000	3058	3290	3684	3710	3710	3710* 3743* 3800 3808 3920 3925 3928 3929*

02	SYMBOL	T	LEN	VALUE	DEFN
	ALSSS	A	005	00AC	3816
03	ALSSSE	A	002	0E74	3887
	ARR	C	001	0008	3053
	ATALLCOM	A	005	00AC	3815
04	ATI DRRM	A	001	00FD	3949

CHANGE ACTIVITY SUMMARY - V07/23/79										
MODULE NAME	FLAG	REFERENCE								
#SVAU	aaG13	531								
	aa023	3374	3375	3376	3377	3378	3443	3444	3445	
		3446	3447	3448						
	aa041	57	3331	3333	3334	3335	3336	3337	3338	
		3339	3600	3601	3602	3603	3604	3605	3606	
		3607	3608	3792	3834					
	aa052	59	3379	3380	3381	3382				
	aa093	58	3115	3116	3147	3252	3253	3257	3258	
		3259	3260	3273	3287	3292	3293	3297	3298	
		3304	3305	3308	3313	3326	3330	3332	3349	
		3730	3731	3732	3733	3734	3735	3736		
	aa145	62	63	64	652	1919	3416	3428	3430	
		3431	3432	3433	3434	3436	3449	3450	3451	
		3452	3453	3454	3455	3456	3458	3459	3460	
		3461	3463	3464	3470	3475	3477	3480	3481	
		3482	3483	3484	3489	3492	3493	3494	3495	
		3496	3497	3498	3500	3510	3519			
	aa254	61	3714							
	aa419	515	516	517	518	519	520	521	522	
		523	524	525	526	527	528	529	530	
		532	533	534	535					
	aa478	195	349							
END OF THE CHANGE ACTIVITY SUMMARY										
CHANGE FLAG REASONS - V07/23/79 - AS OF 12/08/81 21:32										
aaG13	S317310	SS1	SU	05	07/09/80	JUB	47N			
aa023	P10310	SS	CP	03	07/18/77	TWB	47E			
aa041	P10316	SS	DM	03	09/07/77	HDG	47S			
aa052	P10317	TP	SR	03	09/22/77	MLA	48L			
aa093	P10342	TP	SN	03	01/03/78	ACM	48G			
aa145	P10402	SS	_	04	03/30/78	CKS	44A			
aa254	P10462	SS	NU	04	01/25/79	WJU	47R			
aa419	P10802	SSP		08	01/11/80	JUB	47N			
aa478	P10807	TEL		08	06/16/80	KEW	48J			
END OF CHANGE FLAG REASONS										

CROSS-REFERENCE										
SYMBOL	T	LEN	VALUE	DEFN	REFERENCES					
ALSSS	A	005	ODAC	3816	3672 3679 3824 3837*					
ALSSSE	A	002	OE74	3887	3824* 3834* 3837					
ARR	C	001	0008	3053	3374* 3405 3767 3786 3821					

SYMBOL	T	LEN	VALUE	DEFN	RE
CSBDDTFA	C	001	000F	0226	02
CSBDDVCD	C	001	0003	0171	01
CSBDECM	C	001	0001	0163	